



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] G006468.001
[TESTLAB]
[TESTDATE] 2024-08-27
[ISSUEDATE] 2025-10-01
[MANUFAC] LAMAR LED
[LUMCAT] VANL-W-48-M-40
[LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE
[MORE]DIFFUSE PEARLESCENT EXTRUDED POLYCARBONATE HIGH EFFIECENCY LENS
[_WATTAGE] 56.4
[_LUMENS] 7222
[_EFFICACY] 128

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7222
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	56.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.10 ft
Luminous Width (90-270)	0.77 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7324	6309	5897
55	7262	5854	5230
65	7334	5305	4339
75	8009	4640	2975
85	12734	4412	799

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2286.07	2286.30	2286.41	2286.41	2286.41	2286.41	2286.63	2286.85	2287.08	2287.19
2	2281.84	2282.06	2281.95	2281.95	2282.06	2282.06	2282.51	2282.84	2283.07	2283.40
3	2277.50	2277.61	2277.50	2277.39	2277.72	2277.94	2278.06	2278.39	2278.61	2278.95
4	2273.15	2273.15	2273.04	2273.15	2273.38	2273.38	2273.27	2273.60	2273.82	2273.93
5	2268.81	2268.81	2268.48	2268.81	2268.59	2268.48	2268.48	2268.25	2268.25	2268.59
6	2264.58	2264.36	2264.36	2264.02	2263.69	2263.46	2263.02	2262.91	2262.57	2262.46
7	2260.23	2259.90	2259.90	2259.57	2258.90	2258.12	2257.67	2257.12	2256.67	2256.11
8	2255.89	2255.33	2255.67	2254.55	2253.77	2252.88	2251.88	2250.99	2250.21	2249.21
9	2251.55	2250.88	2250.66	2249.76	2248.54	2247.09	2245.98	2244.75	2243.30	2241.63
10	2247.20	2246.53	2246.09	2244.86	2243.30	2241.19	2239.52	2237.85	2235.51	2233.73
11	2235.29	2235.06	2235.17	2235.06	2235.17	2235.62	2233.17	2230.38	2227.82	2225.60
12	2223.37	2223.26	2223.03	2222.81	2222.70	2222.92	2223.26	2223.26	2219.91	2217.02
13	2211.45	2211.34	2210.89	2210.67	2210.45	2210.00	2209.89	2210.56	2211.34	2207.22
14	2199.53	2199.31	2198.75	2198.42	2197.42	2197.08	2196.41	2196.08	2196.75	2197.75
15	2187.61	2187.39	2186.61	2185.83	2184.83	2183.60	2183.05	2182.27	2181.93	2182.16
16	2175.59	2175.47	2174.58	2173.36	2172.02	2170.57	2168.90	2167.57	2166.90	2166.23
17	2163.67	2163.56	2162.33	2161.11	2159.32	2156.99	2155.09	2152.98	2151.08	2150.41
18	2151.75	2151.64	2150.30	2148.52	2146.07	2143.73	2140.72	2138.16	2135.27	2134.04
19	2139.83	2139.83	2138.27	2135.93	2132.93	2129.81	2126.36	2122.68	2119.45	2116.78
20	2127.91	2127.91	2126.13	2123.35	2120.01	2116.22	2111.65	2107.20	2103.41	2099.96
21	2109.54	2109.87	2109.09	2108.42	2106.75	2101.85	2097.06	2091.83	2086.59	2082.25
22	2091.16	2091.27	2090.38	2089.38	2088.49	2087.60	2082.25	2076.12	2070.00	2064.54
23	2072.89	2072.67	2071.67	2070.44	2068.99	2067.21	2065.76	2059.86	2052.84	2046.72
24	2054.52	2054.07	2052.84	2051.06	2049.06	2046.72	2044.94	2043.60	2035.69	2028.12
25	2036.25	2035.58	2034.13	2031.91	2029.45	2026.56	2023.55	2021.77	2018.43	2009.41
26	2017.87	2016.98	2015.42	2012.53	2009.41	2006.07	2002.61	1999.49	1997.49	1990.36
27	1999.49	1998.38	1996.49	1993.48	1989.80	1985.13	1981.12	1977.22	1974.32	1971.65
28	1981.23	1979.67	1977.66	1974.10	1969.87	1964.63	1959.73	1954.94	1950.71	1948.15
29	1962.85	1961.07	1959.06	1954.61	1949.93	1943.92	1938.12	1932.33	1926.76	1923.53
30	1944.58	1942.58	1940.24	1935.34	1929.88	1922.86	1916.63	1909.50	1903.60	1898.92
31	1920.97	1919.52	1918.30	1915.29	1909.83	1902.26	1894.80	1886.89	1879.43	1873.41
32	1897.36	1895.91	1894.24	1891.12	1887.89	1881.77	1872.85	1863.94	1855.37	1848.69
33	1873.86	1872.30	1870.18	1867.06	1862.94	1858.60	1850.91	1840.89	1831.42	1822.96
34	1850.24	1848.69	1846.46	1843.00	1837.99	1833.31	1827.63	1817.83	1806.92	1797.67
35	1826.63	1825.07	1822.51	1818.84	1813.27	1807.59	1801.35	1795.00	1782.53	1771.72
36	1803.02	1801.46	1798.68	1794.55	1788.54	1782.19	1775.06	1768.05	1758.02	1746.10
37	1779.52	1777.85	1774.95	1770.27	1763.70	1756.69	1748.78	1740.87	1733.52	1719.82
38	1755.91	1754.35	1751.12	1745.88	1738.86	1731.07	1722.27	1713.47	1705.12	1694.20
39	1732.29	1730.85	1727.17	1721.60	1714.14	1705.34	1696.09	1686.07	1676.71	1668.36
40	1708.79	1707.23	1703.11	1697.43	1689.52	1680.06	1669.59	1658.89	1648.54	1639.18
41	1681.06	1679.94	1677.05	1673.37	1664.80	1654.66	1643.30	1631.61	1620.02	1609.66
42	1653.32	1652.10	1648.98	1644.75	1638.96	1629.27	1617.13	1604.32	1591.73	1580.04
43	1625.59	1624.25	1620.91	1616.35	1610.11	1602.98	1590.84	1577.03	1563.22	1550.74
44	1597.86	1596.52	1592.96	1588.06	1581.04	1573.24	1564.78	1549.74	1534.93	1520.78
45	1570.12	1568.68	1565.00	1559.54	1552.08	1543.73	1534.71	1522.68	1506.64	1491.27
46	1542.39	1540.83	1537.04	1531.03	1523.01	1514.21	1504.30	1494.39	1478.35	1461.75
47	1514.66	1512.99	1508.98	1502.63	1494.16	1484.70	1474.11	1463.09	1450.17	1432.57
48	1486.92	1485.25	1480.91	1474.23	1465.32	1455.18	1443.71	1431.90	1420.21	1403.05
49	1459.19	1457.41	1452.95	1445.94	1436.47	1425.66	1413.41	1400.94	1388.35	1373.76
50	1431.46	1429.67	1425.00	1417.64	1407.84	1396.15	1383.23	1369.75	1356.16	1344.02
51	1400.94	1399.38	1395.37	1389.13	1379.11	1366.74	1353.04	1338.68	1324.31	1311.05
52	1370.42	1368.86	1364.74	1358.06	1349.81	1337.23	1323.08	1308.05	1292.56	1278.09
53	1340.01	1338.34	1334.11	1327.20	1318.52	1307.38	1293.12	1277.19	1260.82	1245.34

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54	1309.49	1307.82	1303.48	1296.46	1287.11	1275.86	1263.05	1246.45	1229.08	1212.59
55	1278.98	1277.31	1272.74	1265.61	1255.92	1244.23	1230.86	1215.82	1197.67	1180.07
56	1248.46	1246.79	1242.11	1234.76	1224.73	1212.59	1198.78	1184.08	1166.37	1147.66
57	1218.05	1216.27	1211.59	1203.91	1193.55	1181.07	1166.93	1151.45	1135.07	1115.36
58	1187.53	1185.86	1181.07	1173.17	1162.47	1149.44	1134.74	1118.92	1102.34	1083.34
59	1157.02	1155.34	1150.44	1142.31	1131.51	1118.26	1102.82	1086.30	1069.16	1051.48
60	1126.50	1124.94	1119.93	1111.62	1100.72	1086.87	1071.20	1053.97	1036.29	1018.02
61	1095.53	1093.96	1088.96	1080.76	1069.72	1055.60	1039.60	1021.86	1003.38	984.63
62	1064.53	1062.88	1057.76	1049.33	1038.48	1024.58	1008.18	989.90	970.71	951.10
63	1033.52	1031.75	1026.51	1017.94	1006.95	992.93	976.56	958.11	938.14	917.93
64	1002.51	1000.64	995.28	986.63	975.43	960.95	944.86	926.44	905.85	884.90
65	971.51	969.55	964.11	955.38	943.91	929.23	912.81	894.48	873.69	852.26
66	940.50	938.48	932.96	924.10	912.44	897.71	880.96	862.11	842.04	819.63
67	909.50	907.44	901.84	892.82	881.06	866.20	849.09	830.06	809.59	787.56
68	878.49	876.38	870.66	861.61	849.73	834.68	817.46	798.23	777.18	755.45
69	847.48	845.33	839.49	830.47	818.44	803.24	785.94	766.41	745.15	722.74
70	816.47	814.28	808.33	799.33	787.28	771.99	754.50	734.68	713.31	690.54
71	789.03	786.60	779.93	769.58	756.11	740.64	723.12	703.22	681.52	658.51
72	761.57	759.19	752.58	742.25	728.29	710.44	691.98	671.84	650.02	626.86
73	734.13	731.79	725.24	714.95	700.97	683.18	662.74	640.61	618.67	595.40
74	706.68	704.39	697.90	687.67	673.69	655.95	635.53	611.97	587.57	564.05
75	679.23	676.99	670.56	660.35	646.46	628.94	608.45	585.01	558.95	532.98
76	651.78	649.60	643.23	633.05	619.28	602.00	581.49	558.18	532.24	504.11
77	624.33	622.20	615.91	605.76	592.17	574.98	554.59	531.51	505.84	477.98
78	596.89	594.81	588.59	578.55	565.11	548.05	527.89	505.02	479.52	451.94
79	569.44	567.43	561.28	551.36	538.08	521.20	501.33	478.68	453.45	426.15
80	541.99	540.05	533.97	524.21	511.07	494.44	474.73	452.46	427.57	400.59
81	521.64	519.41	512.63	501.69	486.89	468.24	448.23	426.30	401.84	375.23
82	501.29	499.05	492.33	481.47	466.80	448.34	426.41	401.68	376.20	350.07
83	480.94	478.69	472.05	461.28	446.77	428.49	406.80	382.30	355.20	325.80
84	460.59	458.33	451.77	441.11	426.76	408.69	387.27	363.04	336.35	307.43
85	440.24	437.97	431.50	420.96	406.79	388.94	367.80	343.91	317.61	289.23
86	419.89	417.62	411.24	400.83	386.85	369.24	348.40	324.87	298.97	271.08
87	399.54	397.26	390.98	380.72	366.93	349.57	329.05	305.92	280.44	253.06
88	379.19	376.91	370.72	360.62	347.03	329.93	309.76	287.04	262.03	235.16
89	358.84	356.56	350.47	340.53	327.16	310.33	290.52	268.21	243.72	217.38
90	338.49	336.21	330.23	320.46	307.30	290.76	271.32	249.46	225.48	199.72
91	325.14	322.90	317.01	307.39	294.42	278.16	259.04	237.54	213.99	188.77
92	311.77	309.59	303.79	294.33	281.57	265.57	246.78	225.67	202.58	177.90
93	298.41	296.28	290.58	281.28	268.73	253.02	234.57	213.85	191.21	167.10
94	285.05	282.97	277.36	268.24	255.90	240.49	222.38	202.07	179.90	156.39
95	271.69	269.67	264.16	255.19	243.09	227.97	210.22	190.32	168.64	145.71
96	258.32	256.36	250.95	242.17	230.29	215.49	198.09	178.60	157.42	135.05
97	244.97	243.05	237.75	229.14	217.50	203.00	185.98	166.91	146.25	124.43
98	231.60	229.75	224.55	216.12	204.73	190.54	173.91	155.26	136.79	118.55
99	218.24	216.44	211.34	203.11	191.96	178.09	163.67	148.04	131.13	113.27
100	204.88	203.38	199.07	192.14	182.75	171.08	157.39	142.08	125.49	108.01
101	197.76	196.27	192.03	185.24	176.00	164.55	151.13	136.13	119.87	102.77
102	190.63	189.17	185.00	178.33	169.26	158.03	144.88	130.19	114.25	97.55
103	183.50	182.06	177.97	171.44	162.54	151.52	138.63	124.27	108.68	92.34
104	176.37	174.96	170.95	164.53	155.81	145.03	132.41	118.34	103.11	87.13
105	169.24	167.86	163.92	157.64	149.09	138.52	126.19	112.44	97.56	83.34
106	162.11	160.75	156.89	150.74	142.39	132.03	119.98	106.55	93.11	80.63
107	154.99	153.65	149.86	143.84	135.66	125.55	113.75	101.74	90.17	77.94
108	147.86	146.55	142.84	136.94	128.94	119.07	109.01	98.62	87.26	75.25
109	140.73	139.45	135.82	130.05	122.60	114.82	105.71	95.51	84.36	72.57

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CANDELA TABULATION - (Cont.)

110	133.61	132.58	129.69	125.16	118.99	111.36	102.40	92.40	81.47	69.88
111	129.71	128.71	125.88	121.44	115.38	107.90	99.11	89.30	78.58	67.22
112	125.83	124.85	122.08	117.72	111.77	104.44	95.82	86.21	75.72	64.56
113	121.94	120.98	118.27	114.00	108.17	100.97	92.54	83.11	72.83	62.23
114	118.04	117.12	114.47	110.27	104.56	97.52	89.27	80.01	70.01	59.99
115	114.15	113.24	110.66	106.55	100.96	94.06	85.98	76.91	67.56	57.75
116	110.26	109.38	106.85	102.82	97.36	90.61	82.71	74.15	65.14	55.51
117	106.37	105.51	103.04	99.10	93.75	87.17	79.66	71.53	62.71	53.27
118	102.48	101.64	99.22	95.38	90.15	83.93	76.92	68.95	60.30	51.03
119	98.59	97.77	95.41	91.65	86.86	81.03	74.15	66.36	57.87	48.77
120	94.70	93.97	91.85	88.45	83.83	78.12	71.39	63.76	55.44	46.52
121	91.45	90.73	88.66	85.33	80.82	75.22	68.63	61.16	53.00	44.41
122	88.21	87.50	85.47	82.21	77.79	72.32	65.87	58.55	50.56	42.62
123	84.96	84.27	82.28	79.10	74.77	69.42	63.10	55.94	48.25	40.80
124	81.72	81.04	79.10	75.99	71.75	66.51	60.33	53.32	46.27	38.99
125	78.47	77.81	75.91	72.87	68.73	63.60	57.56	50.96	44.29	37.16
126	75.22	74.58	72.72	69.74	65.70	60.69	54.78	48.81	42.29	35.33
127	71.98	71.36	69.53	66.62	62.68	57.78	52.50	46.68	40.29	33.49
128	68.73	68.13	66.35	63.49	59.66	55.25	50.23	44.53	38.29	31.64
129	65.49	64.90	63.16	60.36	57.02	52.85	47.94	42.38	36.28	29.77
130	62.24	61.73	60.21	57.77	54.52	50.45	45.66	40.23	34.26	27.90
131	59.53	59.04	57.56	55.18	52.02	48.05	43.37	38.07	32.23	23.00
132	56.83	56.34	54.90	52.59	49.51	45.64	41.08	35.89	30.20	17.67
133	54.12	53.65	52.25	50.00	47.00	43.23	38.78	33.73	25.98	12.30
134	51.42	50.96	49.59	47.41	44.49	40.81	36.48	31.54	20.33	6.92
135	48.71	48.26	46.94	44.81	41.96	38.40	34.17	26.77	14.67	1.52
136	46.00	45.57	44.28	42.22	39.44	35.98	31.50	20.82	8.98	0.00
137	43.30	42.87	41.63	39.62	36.92	33.56	25.27	14.85	3.27	0.00
138	40.59	40.18	38.97	37.02	34.39	27.93	19.04	8.86	0.00	0.00
139	37.88	37.48	36.31	34.42	28.72	21.46	12.80	2.86	0.00	0.00
140	35.18	34.33	31.81	27.69	22.06	14.99	6.54	0.00	0.00	0.00
141	28.14	27.32	24.88	20.88	15.40	8.51	0.27	0.00	0.00	0.00
142	21.11	20.31	17.95	14.07	8.73	2.02	0.00	0.00	0.00	0.00
143	14.07	13.30	11.01	7.25	2.06	0.00	0.00	0.00	0.00	0.00
144	7.04	6.29	4.07	0.42	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2287.30	2287.52	2287.86	2288.19	2288.52	2288.97	2289.30	2289.64	2290.08	2289.75
2	2283.74	2284.18	2284.74	2285.41	2285.85	2286.41	2286.97	2287.63	2288.41	2287.86
3	2279.50	2280.06	2280.62	2281.17	2281.95	2282.62	2283.51	2284.52	2285.63	2284.74
4	2274.27	2274.83	2275.49	2276.38	2277.05	2278.17	2279.39	2280.84	2282.29	2281.06
5	2268.70	2269.14	2269.81	2270.70	2271.60	2272.71	2274.16	2275.83	2277.72	2276.27
6	2262.80	2262.91	2263.80	2264.24	2265.02	2266.36	2267.81	2269.59	2271.71	2270.04
7	2256.11	2256.00	2256.00	2256.78	2257.56	2259.01	2260.68	2262.68	2265.14	2263.24
8	2248.43	2248.21	2248.21	2248.65	2249.65	2250.88	2252.55	2254.89	2257.67	2255.45
9	2240.74	2240.19	2239.74	2239.85	2240.85	2241.97	2243.97	2246.65	2249.88	2247.31
10	2232.39	2231.16	2230.61	2230.50	2230.83	2232.17	2234.06	2236.73	2240.19	2237.51
11	2223.70	2221.81	2220.58	2219.91	2220.14	2221.03	2223.37	2226.15	2230.05	2227.04
12	2213.68	2211.67	2209.67	2208.67	2208.44	2209.33	2211.45	2214.23	2218.36	2215.24
13	2203.88	2200.42	2198.08	2196.86	2196.08	2196.64	2198.31	2201.31	2205.66	2202.32
14	2192.85	2188.84	2185.94	2183.83	2182.71	2182.83	2184.72	2187.84	2192.40	2188.84
15	2181.49	2177.03	2172.91	2170.02	2168.57	2168.46	2170.02	2173.25	2178.26	2174.47
16	2167.01	2164.22	2159.55	2155.87	2153.87	2153.42	2154.53	2158.10	2163.33	2159.32
17	2150.19	2151.08	2145.40	2141.06	2138.38	2137.60	2138.38	2141.84	2147.41	2143.17
18	2132.93	2133.71	2130.70	2125.58	2122.01	2120.68	2121.68	2124.68	2130.03	2126.02
19	2115.44	2115.33	2115.33	2109.43	2105.30	2103.30	2103.97	2106.98	2112.77	2108.42
20	2097.51	2096.62	2097.62	2092.50	2087.60	2085.14	2085.26	2088.49	2094.72	2089.93
21	2079.13	2077.35	2077.57	2075.01	2068.99	2066.21	2066.21	2068.88	2075.01	2070.44
22	2060.31	2057.75	2057.08	2056.85	2050.28	2046.50	2045.72	2049.06	2055.74	2050.62
23	2041.04	2037.59	2035.92	2037.36	2030.57	2025.89	2025.00	2027.90	2034.80	2029.68
24	2021.44	2016.98	2014.75	2015.09	2010.07	2004.84	2003.50	2006.18	2013.08	2007.96
25	2002.06	1996.26	1992.70	1991.70	1988.80	1982.90	1981.34	1983.90	1990.92	1985.79
26	1981.56	1974.88	1970.20	1968.31	1967.64	1960.84	1958.06	1960.84	1968.20	1962.96
27	1961.40	1953.05	1947.37	1944.81	1945.14	1937.68	1934.89	1936.79	1944.25	1938.90
28	1940.69	1930.77	1923.87	1920.19	1920.86	1914.29	1910.84	1912.17	1919.52	1914.51
29	1919.30	1909.05	1900.59	1895.69	1895.58	1889.78	1885.77	1887.22	1894.91	1889.45
30	1895.91	1885.89	1876.31	1870.74	1869.29	1865.06	1860.27	1861.61	1869.40	1863.94
31	1870.40	1863.05	1852.25	1845.01	1842.67	1839.66	1834.32	1835.54	1843.34	1837.99
32	1843.45	1839.77	1827.86	1819.28	1815.72	1814.16	1807.92	1808.81	1816.94	1811.37
33	1816.94	1813.93	1802.57	1792.66	1788.65	1787.87	1780.63	1781.52	1789.77	1784.20
34	1789.99	1786.09	1777.40	1766.38	1761.03	1760.92	1753.34	1753.46	1761.70	1756.24
35	1763.15	1757.47	1751.90	1739.64	1732.63	1732.40	1725.39	1725.05	1733.30	1727.95
36	1735.97	1729.17	1726.61	1712.80	1704.45	1703.11	1696.87	1696.09	1704.56	1698.99

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CANDELA TABULATION - (Cont.)

37	1708.90	1700.22	1696.76	1685.18	1675.60	1673.48	1668.03	1666.91	1675.27	1669.81
38	1681.28	1671.70	1667.02	1657.45	1646.64	1643.52	1638.73	1637.29	1645.64	1640.29
39	1654.22	1643.08	1636.62	1629.49	1617.46	1613.01	1608.77	1606.88	1615.23	1610.00
40	1626.26	1614.01	1606.10	1601.31	1587.94	1582.04	1579.03	1576.25	1584.38	1579.48
41	1598.86	1584.83	1575.58	1572.69	1558.09	1551.41	1548.52	1545.06	1553.86	1548.63
42	1571.01	1555.87	1544.84	1540.27	1528.13	1520.00	1517.66	1513.88	1521.90	1517.33
43	1539.94	1526.69	1514.21	1508.53	1497.73	1488.48	1486.59	1482.02	1490.82	1485.70
44	1508.98	1497.28	1483.25	1475.90	1467.43	1456.85	1455.40	1450.61	1458.63	1454.07
45	1478.12	1467.99	1452.40	1443.26	1437.02	1424.77	1423.33	1417.87	1425.89	1421.43
46	1447.27	1436.13	1421.54	1410.85	1406.51	1392.58	1390.69	1385.01	1393.59	1388.80
47	1416.53	1403.83	1390.69	1378.33	1374.87	1360.17	1357.28	1352.38	1360.40	1356.27
48	1385.90	1371.76	1359.62	1345.92	1340.46	1327.54	1323.31	1318.96	1327.43	1322.86
49	1355.16	1339.79	1328.76	1313.06	1306.38	1295.13	1289.67	1285.66	1293.46	1289.78
50	1324.64	1307.60	1295.35	1280.20	1272.07	1262.27	1255.59	1251.80	1259.71	1256.26
51	1294.12	1275.75	1261.82	1247.79	1237.77	1229.30	1221.39	1217.94	1225.40	1222.17
52	1263.61	1243.67	1228.30	1214.93	1203.35	1196.56	1187.09	1183.41	1191.21	1187.64
53	1231.86	1211.93	1195.11	1182.30	1169.04	1163.48	1152.23	1149.22	1156.90	1153.79
54	1198.00	1180.52	1161.92	1149.33	1135.07	1130.40	1117.70	1114.80	1122.04	1119.37
55	1164.26	1149.22	1128.84	1114.91	1100.55	1096.02	1083.10	1079.78	1086.98	1084.38
56	1130.51	1117.03	1095.82	1080.12	1066.43	1060.00	1048.09	1044.79	1051.64	1049.73
57	1097.00	1082.10	1063.31	1045.90	1032.05	1024.03	1013.17	1009.90	1015.90	1014.71
58	1063.76	1047.40	1030.74	1011.24	998.10	987.85	978.48	974.44	980.69	979.28
59	1030.54	1012.88	998.92	977.26	964.25	951.99	943.20	938.83	944.42	943.85
60	997.85	978.60	963.55	943.23	929.19	916.15	908.30	903.22	909.06	908.53
61	965.29	944.69	928.22	909.96	893.32	880.51	873.10	867.62	872.75	873.00
62	932.44	910.99	892.98	876.49	857.86	844.90	838.02	831.75	836.05	836.98
63	898.00	877.50	857.97	843.41	822.86	809.08	802.84	795.69	800.01	801.59
64	864.29	844.19	823.49	808.10	787.98	773.83	767.98	759.61	763.88	765.18
65	830.68	810.33	788.93	772.02	753.20	738.83	731.73	722.56	727.18	728.47
66	797.22	776.00	755.33	736.26	719.17	703.80	694.64	685.87	690.07	691.86
67	764.48	742.33	721.60	701.22	685.23	667.41	657.44	649.47	653.97	655.40
68	731.72	708.83	687.23	666.31	651.36	631.48	620.32	612.55	616.96	618.84
69	699.44	675.53	653.18	631.98	614.91	595.91	583.90	576.36	580.58	582.56
70	667.13	642.58	619.51	597.99	579.08	561.09	547.60	539.91	543.80	546.33
71	634.78	610.46	586.27	564.13	544.05	526.48	511.67	503.49	507.30	510.18
72	602.81	578.45	553.38	530.26	509.23	492.85	476.47	467.85	470.85	474.48
73	570.93	546.22	521.16	496.99	475.33	459.24	441.55	432.51	434.83	439.25
74	539.51	514.59	489.43	464.33	441.82	423.85	406.65	397.26	399.07	404.26
75	508.48	483.37	457.88	432.37	408.86	388.98	371.83	362.82	363.68	370.32
76	477.73	452.38	426.84	400.80	376.38	355.26	337.60	328.86	328.91	336.47
77	447.95	421.91	396.30	370.37	344.71	322.60	304.12	293.83	292.44	301.53
78	422.04	391.94	366.37	340.32	313.69	290.81	272.23	259.38	259.18	267.88
79	396.42	365.73	336.65	311.10	283.73	260.06	240.11	226.02	226.50	235.08
80	371.10	340.89	309.31	282.31	255.61	230.59	208.83	194.21	194.66	204.04
81	346.15	316.43	285.52	254.47	228.52	202.50	179.34	163.77	163.93	174.65
82	321.42	292.32	261.95	230.61	202.20	175.98	151.58	134.29	134.79	146.58
83	296.89	268.54	239.01	208.46	177.04	151.29	126.00	107.81	106.99	120.40
84	275.64	245.01	216.43	186.95	156.75	127.95	103.20	83.65	81.75	97.19
85	258.08	226.60	194.46	165.93	137.13	107.42	82.74	61.66	58.48	74.66
86	240.71	209.86	178.51	146.89	118.22	90.60	64.33	43.13	38.81	55.52
87	223.55	193.34	162.87	132.38	102.17	74.69	49.85	29.18	22.80	41.21
88	206.54	177.04	147.51	118.20	89.39	62.06	37.92	18.56	11.28	30.38
89	189.69	160.92	132.39	104.29	77.00	51.59	29.17	11.71	5.41	23.41
90	172.97	144.95	117.46	90.63	64.94	41.55	21.75	7.60	4.27	18.89
91	162.59	135.36	108.69	82.79	58.20	36.15	18.01	5.97	0.00	16.74
92	152.32	125.89	100.06	75.12	51.65	30.95	14.86	5.22	0.00	15.20

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	142.15	116.51	91.54	67.58	45.24	26.86	13.15	4.94	0.00	13.92
94	132.05	107.24	83.12	60.13	40.69	24.45	11.80	4.65	0.00	12.61
95	122.02	98.03	74.76	55.52	37.66	22.10	10.93	4.46	0.00	11.44
96	112.04	89.91	70.51	51.96	34.68	20.46	10.16	3.99	0.00	9.76
97	104.76	85.38	66.47	48.46	31.74	19.23	9.46	0.33	0.00	0.78
98	99.83	80.93	62.48	44.98	30.07	18.04	8.75	0.00	0.00	0.00
99	94.94	76.48	58.52	41.95	28.57	16.96	8.23	0.00	0.00	0.00
100	90.09	72.07	54.58	40.11	27.08	15.96	7.74	0.00	0.00	0.00
101	85.26	67.70	51.92	38.33	25.60	14.97	7.22	0.00	0.00	0.00
102	80.44	63.76	49.88	36.54	24.35	13.96	5.89	0.00	0.00	0.00
103	75.65	61.48	47.86	34.78	23.14	13.18	2.83	0.00	0.00	0.00
104	72.78	59.23	45.85	33.12	21.93	12.48	0.00	0.00	0.00	0.00
105	70.29	56.99	43.87	31.67	20.70	11.77	0.00	0.00	0.00	0.00
106	67.82	54.76	41.89	30.21	19.45	11.05	0.00	0.00	0.00	0.00
107	65.35	52.55	40.20	28.75	18.55	10.30	0.00	0.00	0.00	0.00
108	62.92	50.35	38.55	27.30	17.64	7.45	0.00	0.00	0.00	0.00
109	60.47	48.39	36.90	25.84	16.70	4.22	0.00	0.00	0.00	0.00
110	58.03	46.52	35.22	24.57	15.75	0.94	0.00	0.00	0.00	0.00
111	55.83	44.67	33.56	23.48	14.79	0.00	0.00	0.00	0.00	0.00
112	53.77	42.82	31.90	22.39	13.81	0.00	0.00	0.00	0.00	0.00
113	51.71	40.97	30.33	21.30	10.78	0.00	0.00	0.00	0.00	0.00
114	49.64	39.11	29.07	20.19	7.26	0.00	0.00	0.00	0.00	0.00
115	47.58	37.25	27.81	19.06	3.71	0.00	0.00	0.00	0.00	0.00
116	45.52	35.50	26.55	17.90	0.12	0.00	0.00	0.00	0.00	0.00
117	43.44	34.06	25.26	16.03	0.00	0.00	0.00	0.00	0.00	0.00
118	41.37	32.61	23.95	12.19	0.00	0.00	0.00	0.00	0.00	0.00
119	39.60	31.14	22.64	8.32	0.00	0.00	0.00	0.00	0.00	0.00
120	37.96	29.65	21.31	4.41	0.00	0.00	0.00	0.00	0.00	0.00
121	36.31	28.17	19.37	0.45	0.00	0.00	0.00	0.00	0.00	0.00
122	34.67	26.66	15.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	33.02	25.14	10.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	31.37	23.61	6.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	29.70	20.10	2.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	28.02	15.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	26.32	10.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	22.85	6.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	17.88	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	12.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	7.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2289.42	2289.08	2288.86	2288.52	2288.30	2287.97	2287.86	2287.75	2287.63	2287.52
2	2287.30	2286.85	2286.41	2286.07	2285.63	2285.07	2284.74	2284.40	2284.29	2284.18
3	2283.96	2283.29	2282.73	2282.29	2281.84	2281.51	2281.06	2280.73	2280.51	2280.39
4	2279.95	2279.06	2278.17	2277.61	2277.16	2276.61	2276.38	2276.27	2276.27	2276.27
5	2274.94	2273.82	2273.04	2272.49	2271.93	2271.60	2271.37	2271.37	2271.37	2271.60
6	2268.70	2267.70	2266.81	2266.47	2266.25	2265.91	2266.03	2266.14	2266.36	2266.81
7	2261.68	2260.57	2259.57	2259.23	2259.12	2259.45	2260.01	2260.46	2261.13	2261.57
8	2253.77	2252.66	2251.99	2251.55	2251.66	2251.99	2252.88	2254.11	2255.33	2256.56
9	2245.31	2243.86	2243.42	2243.08	2243.64	2244.53	2245.53	2247.09	2249.10	2250.77
10	2235.62	2234.39	2233.84	2234.28	2234.62	2235.95	2237.85	2239.85	2242.08	2244.86
11	2225.04	2223.59	2223.37	2224.04	2225.26	2227.49	2229.38	2232.28	2235.17	2238.07
12	2213.23	2212.23	2212.23	2213.34	2215.01	2217.46	2220.69	2223.81	2227.82	2231.39
13	2200.42	2199.53	2200.09	2201.65	2204.10	2207.22	2211.00	2215.46	2219.47	2219.58
14	2186.83	2186.17	2187.06	2189.06	2192.29	2196.30	2200.98	2206.22	2206.10	2206.10
15	2172.24	2172.13	2173.02	2175.70	2179.82	2184.72	2190.40	2191.51	2191.51	2192.40
16	2157.21	2157.10	2158.88	2162.33	2166.56	2172.58	2176.25	2176.48	2177.26	2178.82
17	2141.06	2141.61	2143.51	2147.63	2153.09	2159.66	2159.99	2160.88	2162.44	2164.45
18	2124.35	2124.91	2127.36	2132.37	2138.83	2142.95	2143.06	2144.73	2147.30	2150.30
19	2106.86	2107.53	2110.87	2116.33	2124.13	2125.02	2126.69	2128.58	2132.04	2135.93

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CANDELA TABULATION - (Cont.)

20	2088.26	2089.49	2093.50	2099.74	2106.31	2106.64	2108.87	2111.88	2116.22	2121.23
21	2069.33	2070.78	2075.34	2082.81	2086.59	2087.60	2090.71	2095.28	2100.40	2106.20
22	2048.95	2051.29	2057.19	2064.76	2066.54	2068.66	2072.56	2077.68	2084.25	2091.16
23	2028.56	2031.35	2037.14	2045.49	2045.83	2048.84	2053.96	2060.31	2068.10	2075.79
24	2007.07	2010.41	2017.31	2023.55	2025.11	2028.45	2034.91	2042.60	2050.95	2060.20
25	1985.35	1988.80	1996.49	2001.05	2003.17	2008.29	2015.53	2024.55	2033.91	2038.81
26	1962.07	1966.75	1975.55	1978.00	1981.34	1987.69	1995.82	2006.40	2013.97	2017.20
27	1939.01	1944.47	1953.72	1954.72	1958.84	1966.30	1976.22	1987.80	1991.36	1995.04
28	1915.40	1920.53	1929.77	1930.88	1935.90	1944.58	1956.06	1964.41	1968.53	1972.99
29	1890.45	1896.69	1904.49	1906.83	1912.95	1922.98	1935.56	1940.69	1945.36	1951.27
30	1865.06	1871.85	1878.54	1881.65	1889.34	1900.59	1912.17	1916.18	1922.08	1929.44
31	1839.22	1847.01	1851.92	1856.48	1865.62	1878.20	1886.44	1891.57	1898.36	1906.94
32	1812.93	1821.73	1825.41	1831.09	1841.45	1855.59	1860.38	1866.84	1875.08	1884.44
33	1786.09	1795.67	1798.68	1805.14	1816.94	1830.08	1834.32	1841.89	1851.58	1862.05
34	1758.91	1769.38	1771.16	1778.74	1791.88	1802.13	1807.92	1816.83	1827.75	1839.44
35	1730.96	1740.98	1743.43	1752.23	1766.93	1774.17	1781.63	1791.44	1803.69	1816.61
36	1702.78	1711.80	1715.25	1725.72	1741.54	1746.44	1754.79	1766.26	1779.52	1790.77
37	1673.82	1681.95	1686.74	1698.77	1712.24	1717.93	1728.06	1740.87	1755.79	1764.26
38	1644.41	1652.21	1658.00	1671.15	1682.73	1689.52	1701.00	1715.70	1727.95	1737.53
39	1615.01	1621.80	1628.93	1643.86	1652.99	1661.23	1673.93	1689.97	1699.99	1710.57
40	1585.38	1591.29	1599.53	1616.01	1622.47	1632.72	1646.53	1661.46	1672.15	1683.84
41	1555.31	1560.77	1570.35	1586.94	1592.40	1603.98	1619.58	1632.50	1644.19	1657.00
42	1524.35	1530.03	1540.61	1555.09	1561.99	1575.14	1592.40	1603.09	1616.35	1630.38
43	1493.61	1498.28	1510.54	1523.68	1531.70	1546.07	1561.77	1573.91	1588.50	1603.54
44	1462.31	1466.99	1480.57	1491.60	1501.18	1517.44	1531.59	1544.51	1560.55	1576.92
45	1430.68	1435.02	1450.17	1459.30	1470.88	1488.48	1500.96	1515.88	1532.59	1550.30
46	1398.04	1403.28	1420.10	1427.00	1440.14	1457.18	1470.33	1486.70	1504.97	1522.45
47	1364.96	1370.98	1389.13	1394.81	1409.74	1425.33	1439.92	1457.96	1477.34	1491.38
48	1331.10	1338.90	1354.38	1362.62	1378.88	1393.48	1409.63	1429.12	1448.05	1460.41
49	1297.58	1306.49	1321.08	1329.99	1348.37	1361.62	1379.66	1400.38	1416.31	1429.56
50	1263.83	1273.85	1287.00	1297.80	1315.62	1330.10	1349.59	1371.20	1384.23	1398.93
51	1229.64	1241.11	1252.80	1265.39	1282.43	1298.80	1319.41	1338.23	1352.71	1368.19
52	1195.55	1208.70	1218.72	1233.20	1249.13	1267.28	1289.67	1305.60	1321.08	1337.67
53	1160.80	1175.62	1184.53	1201.23	1216.38	1235.87	1258.04	1272.96	1289.78	1307.27
54	1126.61	1142.76	1151.00	1168.26	1183.19	1204.69	1224.29	1240.33	1258.37	1276.86
55	1092.09	1108.95	1116.70	1133.96	1150.89	1174.17	1190.65	1208.14	1227.18	1246.34
56	1057.21	1073.12	1082.69	1099.58	1118.26	1141.42	1157.35	1176.06	1195.78	1215.04
57	1022.68	1037.25	1048.66	1065.84	1086.12	1107.28	1124.16	1144.10	1165.03	1182.63
58	987.92	1001.41	1014.63	1031.62	1053.99	1072.82	1090.82	1112.10	1132.51	1150.44
59	952.88	965.66	981.48	997.76	1022.51	1038.35	1058.07	1080.41	1099.52	1118.37
60	917.94	930.27	946.37	963.98	987.42	1004.48	1025.52	1047.60	1067.05	1086.32
61	883.21	894.54	911.00	931.08	952.31	970.55	993.13	1014.01	1034.41	1054.29
62	848.04	858.84	875.86	898.17	917.10	936.98	960.56	980.72	1002.07	1022.62
63	813.13	823.88	841.07	865.65	882.33	904.16	926.37	948.01	969.75	991.06
64	778.62	788.66	806.35	829.81	847.82	871.06	892.80	915.29	937.94	959.56
65	742.50	753.90	772.12	794.27	813.54	837.14	859.44	882.51	905.88	927.94
66	705.74	719.01	738.16	758.70	780.02	802.95	826.12	850.30	874.17	895.75
67	668.69	682.75	704.89	723.50	746.45	769.30	793.34	818.39	842.22	864.04
68	632.03	647.13	671.09	688.95	712.44	735.94	761.06	786.42	810.01	832.16
69	595.35	611.75	634.77	654.74	678.30	702.86	728.83	754.03	778.13	800.43
70	559.25	577.19	598.96	620.49	644.60	670.32	696.69	721.85	746.25	769.07
71	523.62	542.87	563.73	587.06	611.54	638.06	664.55	689.97	714.66	737.74
72	488.51	509.40	529.17	553.07	579.11	605.93	632.47	658.50	683.32	706.52
73	453.63	476.19	495.38	519.86	546.68	573.91	600.65	627.11	652.06	675.50
74	418.90	440.63	461.95	487.22	515.17	542.28	569.50	595.86	621.05	646.71
75	384.29	406.01	428.89	455.28	483.51	511.09	538.37	565.02	592.36	619.51

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CANDELA TABULATION - (Cont.)

76	350.92	372.29	396.67	423.91	452.37	480.29	507.81	536.01	565.40	592.42
77	317.81	339.63	365.30	393.38	421.72	449.79	478.05	509.42	538.69	565.58
78	286.55	308.14	334.47	363.17	391.75	419.81	451.88	483.04	512.13	538.79
79	254.69	277.33	304.41	333.83	362.09	393.31	425.97	456.93	485.69	512.13
80	223.99	247.81	275.60	304.86	334.39	367.93	400.31	430.92	459.43	485.62
81	194.81	219.82	248.15	276.81	310.04	342.93	374.89	405.20	433.38	459.12
82	167.43	193.20	221.71	252.49	286.01	318.30	349.68	379.72	407.43	434.04
83	141.79	168.21	196.46	229.85	262.46	294.03	324.66	354.98	385.64	413.82
84	118.45	144.66	175.58	207.79	239.40	270.03	302.63	335.61	365.81	393.71
85	97.47	123.65	155.36	186.26	216.91	250.86	284.02	316.41	346.12	373.68
86	78.61	106.30	135.88	166.54	200.08	233.27	265.65	297.37	326.60	353.73
87	63.57	89.82	119.18	151.10	183.51	215.92	247.50	278.46	307.16	333.85
88	51.07	76.57	105.58	136.05	167.21	198.78	229.53	259.67	287.83	314.04
89	41.73	65.43	92.40	121.29	151.16	181.82	211.74	241.00	268.58	294.29
90	33.73	54.70	79.55	106.79	135.34	165.02	194.11	222.43	249.41	274.62
91	29.49	48.78	72.24	98.31	125.88	154.62	182.98	210.66	237.12	261.88
92	25.87	43.08	65.14	90.00	116.57	144.34	171.95	198.99	224.90	249.19
93	23.63	38.49	58.16	81.82	107.39	134.17	161.02	187.40	212.74	236.56
94	21.71	35.59	53.06	73.74	98.31	124.10	150.18	175.87	200.63	223.97
95	20.25	32.73	49.54	68.61	89.27	114.09	139.39	164.40	188.58	211.41
96	18.85	30.57	46.10	64.57	84.51	105.23	128.62	152.97	176.58	198.88
97	17.50	28.84	42.70	60.59	79.98	100.19	120.72	141.56	164.62	186.35
98	16.18	27.13	40.53	56.66	75.49	95.24	115.32	135.15	154.45	173.85
99	15.06	25.54	38.52	53.15	71.04	90.32	109.93	129.39	148.27	166.07
100	14.03	24.03	36.57	50.87	66.62	85.44	104.59	123.65	142.13	159.62
101	12.99	22.53	34.60	48.63	63.53	80.59	99.28	117.93	136.03	153.16
102	10.48	21.02	32.87	46.42	61.05	76.18	93.99	112.20	129.92	146.72
103	4.90	19.77	31.19	44.22	58.58	73.42	88.72	106.50	123.84	140.31
104	0.00	18.63	29.52	42.13	56.14	70.71	85.41	100.83	117.77	133.90
105	0.00	17.48	27.85	40.26	53.73	68.03	82.45	96.56	111.70	127.50
106	0.00	16.33	26.16	38.38	51.32	65.35	79.53	93.41	106.78	121.10
107	0.00	15.17	24.86	36.51	49.21	62.69	76.61	90.28	103.41	115.79
108	0.00	10.81	23.58	34.64	47.14	60.08	73.71	87.12	100.04	112.22
109	0.00	6.03	22.29	32.75	45.08	57.67	70.82	83.97	96.68	108.66
110	0.00	1.33	20.98	31.09	43.00	55.41	67.93	80.85	93.32	105.08
111	0.00	0.00	19.66	29.65	40.94	53.16	65.31	77.73	89.98	101.51
112	0.00	0.00	18.31	28.20	38.88	50.91	62.87	74.63	86.65	97.96
113	0.00	0.00	14.19	26.75	36.91	48.67	60.41	71.88	83.32	94.40
114	0.00	0.00	9.48	25.28	35.31	46.40	57.97	69.25	80.04	90.84
115	0.00	0.00	4.80	23.79	33.70	44.16	55.52	66.62	77.23	87.28
116	0.00	0.00	0.16	22.30	32.08	42.04	53.09	63.98	74.41	84.11
117	0.00	0.00	0.00	19.90	30.46	40.26	50.64	61.34	71.58	81.11
118	0.00	0.00	0.00	15.05	28.83	38.47	48.18	58.71	68.78	78.13
119	0.00	0.00	0.00	10.22	27.18	36.66	46.05	56.08	65.97	75.14
120	0.00	0.00	0.00	5.39	25.52	34.85	44.08	53.45	63.16	72.15
121	0.00	0.00	0.00	0.55	23.14	33.02	42.10	50.98	60.34	69.18
122	0.00	0.00	0.00	0.00	18.05	31.19	40.13	48.84	57.52	66.19
123	0.00	0.00	0.00	0.00	12.94	29.36	38.14	46.69	54.82	63.19
124	0.00	0.00	0.00	0.00	7.83	27.51	36.15	44.53	52.50	60.21
125	0.00	0.00	0.00	0.00	2.71	23.37	34.13	42.37	50.20	57.47
126	0.00	0.00	0.00	0.00	0.00	17.98	32.13	40.21	47.86	54.99
127	0.00	0.00	0.00	0.00	0.00	12.58	30.10	38.04	45.53	52.52
128	0.00	0.00	0.00	0.00	0.00	7.18	26.08	35.86	43.20	50.04
129	0.00	0.00	0.00	0.00	0.00	1.75	20.37	33.67	40.86	47.55
130	0.00	0.00	0.00	0.00	0.00	0.00	14.65	31.47	38.51	45.06
131	0.00	0.00	0.00	0.00	0.00	0.00	8.92	25.89	36.15	42.55

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CANDELA TABULATION - (Cont.)

132	0.00	0.00	0.00	0.00	0.00	0.00	3.18	19.86	33.79	40.05
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.82	29.02	37.54
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.77	22.69	35.02
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	16.35	29.69
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	23.07
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.64	16.44
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.81
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.17
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2287.41	2287.19	2287.19	2287.30	2287.30	2287.08	2286.97	2286.97	2286.97	2287.08
2	2283.96	2283.62	2283.62	2283.62	2283.51	2283.74	2283.40	2283.51	2283.62	2283.74

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CANDELA TABULATION - (Cont.)

3	2280.06	2280.06	2280.06	2279.95	2280.06	2280.17	2279.95	2280.06	2280.17	2280.28
4	2276.16	2276.27	2276.16	2276.38	2276.38	2276.50	2276.38	2276.61	2276.72	2276.61
5	2272.04	2272.15	2272.49	2272.60	2272.71	2272.93	2272.93	2273.15	2273.15	2273.04
6	2267.36	2267.92	2268.37	2268.70	2269.14	2269.37	2269.48	2269.59	2269.48	2269.26
7	2262.46	2263.46	2264.24	2265.02	2265.47	2265.80	2265.91	2266.14	2266.03	2265.47
8	2257.34	2258.68	2259.79	2261.01	2261.46	2262.24	2262.46	2262.68	2262.24	2261.68
9	2252.55	2253.89	2255.67	2256.89	2257.90	2258.68	2258.90	2259.12	2258.68	2257.90
10	2247.31	2248.98	2250.88	2252.66	2254.22	2255.11	2255.45	2255.56	2254.89	2253.89
11	2241.52	2244.20	2243.64	2243.75	2244.08	2244.20	2244.31	2244.64	2244.75	2244.98
12	2232.39	2232.39	2231.83	2232.39	2232.83	2233.06	2233.28	2233.50	2233.50	2233.28
13	2219.47	2220.14	2220.47	2220.69	2221.36	2221.92	2222.25	2222.37	2222.25	2221.70
14	2206.66	2207.77	2208.55	2209.11	2210.00	2210.78	2211.12	2211.23	2210.89	2210.11
15	2193.85	2194.97	2196.64	2197.53	2198.42	2199.53	2200.09	2200.09	2199.53	2198.53
16	2180.60	2182.60	2184.72	2185.83	2187.28	2188.17	2188.95	2188.95	2188.17	2186.83
17	2167.12	2169.68	2172.47	2174.36	2175.92	2177.14	2177.92	2177.70	2176.59	2175.14
18	2153.76	2156.99	2160.33	2162.55	2164.56	2166.12	2166.90	2166.45	2165.12	2163.11
19	2139.72	2144.07	2147.74	2151.08	2153.20	2155.09	2155.76	2155.20	2153.64	2151.53
20	2126.02	2131.03	2135.49	2139.16	2141.73	2143.95	2144.73	2144.18	2142.39	2139.61
21	2111.88	2118.00	2122.79	2125.24	2125.69	2126.69	2126.91	2126.91	2126.36	2125.24
22	2098.07	2103.75	2105.08	2106.64	2107.64	2108.65	2109.09	2108.87	2108.20	2106.98
23	2082.47	2084.03	2086.26	2088.15	2089.49	2090.83	2091.27	2090.94	2089.93	2088.82
24	2061.98	2064.54	2067.32	2069.77	2071.45	2072.89	2073.56	2073.00	2072.00	2070.33
25	2041.60	2044.60	2048.28	2051.29	2053.40	2054.96	2055.74	2055.30	2054.29	2051.73
26	2020.66	2025.00	2029.23	2032.69	2035.25	2037.03	2037.92	2037.36	2036.03	2033.24
27	2000.16	2004.95	2009.85	2014.08	2017.09	2019.10	2020.10	2019.43	2017.87	2014.75
28	1979.22	1985.01	1990.47	1995.37	1999.05	2001.39	2002.39	2001.61	1999.83	1996.38
29	1958.06	1964.97	1971.09	1976.55	1981.00	1983.57	1984.57	1983.79	1981.67	1977.77
30	1937.01	1944.81	1951.93	1957.95	1962.63	1965.75	1966.75	1966.08	1963.63	1958.95
31	1915.62	1924.42	1932.55	1938.57	1941.35	1943.25	1943.80	1943.58	1942.36	1939.91
32	1894.46	1904.26	1910.95	1914.96	1918.07	1920.19	1920.86	1920.53	1918.85	1916.40
33	1873.08	1881.65	1886.89	1891.34	1894.80	1897.02	1897.80	1897.36	1895.35	1892.90
34	1850.36	1856.59	1862.61	1867.84	1871.52	1873.86	1874.86	1874.30	1872.30	1868.85
35	1824.85	1831.64	1838.33	1844.12	1848.35	1850.91	1851.92	1851.25	1848.91	1844.90
36	1798.90	1806.69	1814.27	1820.39	1825.07	1827.97	1828.97	1828.19	1825.52	1820.95
37	1772.95	1781.86	1789.99	1796.56	1801.68	1804.91	1806.03	1805.02	1802.24	1797.34
38	1747.00	1757.02	1765.71	1772.84	1778.40	1781.97	1782.97	1781.97	1778.85	1773.39
39	1721.49	1732.07	1741.54	1749.33	1755.01	1758.91	1760.03	1758.91	1755.46	1749.56
40	1695.54	1707.23	1717.48	1725.61	1731.62	1735.97	1737.08	1735.86	1731.96	1725.50
41	1670.03	1682.17	1693.42	1701.89	1705.78	1708.90	1709.79	1709.01	1706.12	1701.66
42	1644.08	1657.33	1668.25	1673.82	1678.16	1681.50	1682.39	1681.62	1678.61	1673.71
43	1618.46	1631.72	1639.51	1645.86	1650.43	1654.10	1655.11	1654.22	1651.21	1645.97
44	1592.85	1602.31	1610.89	1617.79	1623.03	1626.59	1627.71	1626.70	1623.25	1618.02
45	1563.33	1572.91	1582.04	1589.62	1595.41	1599.19	1600.42	1599.31	1595.63	1589.95
46	1533.26	1543.84	1553.64	1561.66	1567.78	1571.91	1573.13	1571.91	1568.12	1562.22
47	1503.30	1514.66	1525.01	1533.59	1540.16	1544.40	1545.73	1544.51	1540.61	1534.59
48	1473.45	1485.48	1496.61	1505.63	1512.54	1517.00	1518.44	1517.11	1513.10	1506.64
49	1443.37	1456.18	1468.10	1477.79	1484.92	1489.60	1491.04	1489.71	1485.59	1478.79
50	1413.41	1427.22	1439.48	1449.83	1457.18	1462.31	1463.76	1462.20	1458.08	1450.84
51	1383.56	1398.15	1411.07	1421.77	1428.00	1432.35	1433.57	1432.24	1428.67	1422.88
52	1354.16	1369.19	1382.11	1391.25	1397.71	1402.16	1403.39	1402.05	1398.26	1392.25
53	1324.42	1339.57	1351.15	1360.51	1367.30	1371.87	1373.20	1371.76	1367.86	1361.40
54	1294.57	1308.27	1320.19	1329.88	1337.01	1341.68	1343.02	1341.57	1337.34	1330.55
55	1262.60	1276.97	1289.33	1299.25	1306.60	1311.39	1312.84	1311.28	1306.93	1299.80
56	1230.86	1245.56	1258.37	1268.62	1276.30	1281.20	1282.65	1281.09	1276.53	1269.06
57	1199.45	1214.38	1227.63	1238.21	1246.01	1251.02	1252.47	1250.80	1246.12	1238.43
58	1167.49	1183.30	1196.78	1207.69	1215.71	1220.72	1222.17	1220.50	1215.60	1207.69

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CANDELA TABULATION - (Cont.)

59	1136.08	1152.11	1166.04	1177.18	1185.53	1190.54	1191.99	1190.32	1185.19	1176.95
60	1104.51	1121.26	1135.52	1146.77	1155.23	1160.36	1161.80	1160.02	1154.79	1146.21
61	1073.21	1090.31	1104.86	1116.25	1124.49	1129.62	1131.06	1129.39	1124.16	1115.58
62	1041.96	1059.44	1073.98	1085.28	1093.56	1098.76	1100.31	1098.60	1093.27	1084.63
63	1010.86	1028.12	1042.66	1054.09	1062.67	1067.97	1069.55	1067.81	1062.46	1053.64
64	979.33	996.44	1011.32	1023.03	1031.77	1037.17	1038.77	1037.03	1031.65	1022.69
65	947.50	964.88	980.04	992.07	1000.93	1006.37	1008.01	1006.25	1000.84	991.79
66	915.84	933.51	948.86	961.06	970.10	975.57	977.25	975.47	970.04	960.88
67	884.20	902.23	917.70	930.09	939.28	944.77	946.48	944.70	939.25	929.97
68	852.74	870.98	886.58	899.18	908.36	913.95	915.71	913.95	908.38	899.14
69	821.32	839.77	855.49	868.32	877.46	883.14	884.95	883.20	877.54	868.33
70	789.98	808.64	824.51	837.48	846.58	852.34	854.18	852.44	846.70	837.53
71	758.83	777.60	793.55	807.84	818.13	824.56	826.63	824.62	818.21	807.89
72	727.96	747.57	765.58	780.28	790.63	797.00	799.06	797.04	790.62	780.25
73	698.73	720.14	738.15	752.74	763.14	769.46	771.51	769.46	763.04	752.65
74	671.32	692.67	710.77	725.23	735.66	741.92	743.94	741.88	735.46	725.07
75	643.99	665.40	683.36	697.75	708.15	714.39	716.39	714.31	707.88	697.47
76	616.79	638.19	656.02	670.31	680.65	686.87	688.82	686.75	680.32	669.92
77	589.73	610.97	628.72	642.89	653.17	659.35	661.26	659.17	652.76	642.38
78	562.77	583.85	601.45	615.47	625.69	631.81	633.70	631.60	625.24	614.87
79	535.89	556.77	574.24	588.09	598.23	604.29	606.14	604.04	597.72	587.38
80	509.12	529.76	547.08	560.72	570.79	576.76	578.57	576.46	570.20	559.92
81	482.43	503.28	522.44	537.55	548.70	555.35	557.40	555.06	548.13	536.76
82	459.88	482.46	501.50	516.52	527.57	534.18	536.22	533.91	527.04	515.78
83	439.33	461.70	480.59	495.50	506.44	512.99	515.03	512.77	505.97	494.82
84	418.90	441.03	459.71	474.48	485.33	491.83	493.86	491.62	484.88	473.87
85	398.56	420.39	438.87	453.48	464.21	470.66	472.67	470.48	463.82	452.95
86	378.28	399.79	418.04	432.49	443.10	449.49	451.49	449.34	442.76	432.03
87	358.05	379.23	397.25	411.50	422.01	428.31	430.31	428.20	421.71	411.14
88	337.87	358.71	376.48	390.53	400.91	407.15	409.13	407.07	400.67	390.26
89	317.76	338.22	355.73	369.58	379.83	385.99	387.95	385.93	379.63	369.40
90	297.67	317.77	335.00	348.63	358.74	364.83	366.76	364.80	358.60	348.54
91	284.52	304.31	321.26	334.71	344.65	350.65	352.56	350.61	344.49	334.57
92	271.41	290.89	307.56	320.80	330.58	336.47	338.35	336.41	330.40	320.62
93	258.35	277.49	293.86	306.89	316.50	322.29	324.14	322.22	316.30	306.66
94	245.30	264.12	280.19	293.00	302.42	308.11	309.93	308.03	302.21	292.73
95	232.29	250.76	266.53	279.10	288.35	293.93	295.71	293.85	288.12	278.80
96	219.31	237.43	252.88	265.22	274.28	279.75	281.50	279.66	274.03	264.87
97	206.34	224.11	239.23	251.34	260.22	265.59	267.29	265.47	259.95	250.95
98	193.40	210.80	225.59	237.46	246.16	251.41	253.08	251.30	245.86	237.04
99	182.43	197.51	211.96	223.60	232.10	237.24	238.88	237.11	231.78	223.14
100	175.68	189.99	202.11	211.89	219.02	223.31	224.66	223.17	218.68	211.42
101	168.94	182.99	194.89	204.49	211.50	215.72	217.07	215.61	211.21	204.08
102	162.20	175.98	187.68	197.11	203.99	208.15	209.47	208.05	203.74	196.75
103	155.46	168.97	180.48	189.72	196.47	200.56	201.88	200.47	196.26	189.41
104	148.74	161.98	173.27	182.34	188.97	192.98	194.28	192.91	188.79	182.10
105	142.02	154.99	166.07	174.96	181.46	185.40	186.68	185.34	181.32	174.77
106	135.32	148.00	158.86	167.57	173.95	177.82	179.10	177.77	173.85	167.45
107	128.61	141.02	151.66	160.19	166.45	170.24	171.50	170.21	166.38	160.12
108	123.39	134.07	144.44	152.81	158.94	162.66	163.91	162.64	158.91	152.80
109	119.61	129.36	137.62	145.43	151.43	155.09	156.31	155.07	151.43	145.47
110	115.84	125.41	133.53	140.05	144.83	147.73	148.71	147.73	144.85	140.10
111	112.08	121.47	129.45	135.85	140.54	143.39	144.35	143.39	140.55	135.89
112	108.32	117.53	125.36	131.64	136.25	139.05	139.98	139.05	136.25	131.68
113	104.57	113.60	121.28	127.44	131.96	134.70	135.63	134.70	131.95	127.47
114	100.81	109.66	117.19	123.24	127.67	130.36	131.26	130.36	127.65	123.26

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115	97.06	105.74	113.11	119.04	123.39	126.02	126.90	126.02	123.35	119.04
116	93.30	101.81	109.03	114.84	119.10	121.67	122.53	121.67	119.05	114.83
117	89.82	97.88	104.95	110.64	114.81	117.33	118.16	117.33	114.75	110.61
118	86.68	94.18	100.87	106.43	110.53	112.98	113.80	112.98	110.46	106.40
119	83.53	90.89	97.12	102.23	106.25	108.64	109.44	108.64	106.16	102.18
120	80.37	87.61	93.72	98.62	102.23	104.36	105.07	104.36	102.13	98.57
121	77.24	84.31	90.31	95.11	98.65	100.74	101.44	100.74	98.56	95.07
122	74.09	81.02	86.90	91.60	95.07	97.12	97.80	97.12	94.99	91.56
123	70.93	77.72	83.48	88.09	91.49	93.50	94.17	93.49	91.42	88.06
124	67.78	74.43	80.07	84.59	87.90	89.88	90.53	89.87	87.84	84.56
125	64.62	71.14	76.66	81.07	84.32	86.26	86.89	86.24	84.26	81.06
126	61.46	67.84	73.24	77.56	80.73	82.64	83.26	82.62	80.69	77.56
127	58.84	64.53	69.82	74.05	77.15	79.01	79.62	78.99	77.12	74.05
128	56.23	61.65	66.40	70.54	73.56	75.39	75.99	75.37	73.55	70.55
129	53.61	58.92	63.41	67.04	69.98	71.77	72.35	71.74	69.97	67.04
130	50.98	56.17	60.57	64.09	66.65	68.21	68.71	68.18	66.65	64.08
131	48.36	53.43	57.71	61.15	63.66	65.18	65.67	65.15	63.65	61.14
132	45.72	50.68	54.86	58.21	60.66	62.14	62.62	62.12	60.65	58.20
133	43.09	47.93	52.02	55.27	57.66	59.11	59.57	59.09	57.64	55.26
134	40.44	45.18	49.16	52.34	54.67	56.07	56.52	56.06	54.64	52.32
135	37.80	42.43	46.31	49.41	51.67	53.03	53.47	53.03	51.64	49.37
136	34.75	39.67	43.45	46.47	48.67	50.00	50.43	50.00	48.65	46.42
137	27.88	36.89	40.59	43.53	45.66	46.96	47.38	46.97	45.65	43.48
138	20.99	30.68	37.73	40.58	42.67	43.93	44.33	43.93	42.65	40.54
139	14.10	23.57	31.48	37.65	39.66	40.89	41.28	40.90	39.65	37.59
140	7.20	16.46	24.18	30.28	34.69	37.35	38.23	37.37	34.68	30.24
141	0.30	9.34	16.87	22.83	27.13	29.73	30.59	29.74	27.12	22.80
142	0.00	2.21	9.57	15.37	19.57	22.10	22.94	22.11	19.56	15.35
143	0.00	0.00	2.26	7.92	12.00	14.47	15.29	14.48	12.00	7.91
144	0.00	0.00	0.00	0.46	4.44	6.84	7.65	6.85	4.44	0.46
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2287.19	2287.30	2287.41	2287.52	2287.75	2287.97	2288.19	2288.41	2288.52	2288.75
2	2283.85	2283.96	2284.07	2284.40	2284.52	2284.74	2284.96	2285.29	2285.52	2285.85
3	2280.28	2280.51	2280.51	2280.51	2280.73	2281.06	2281.29	2281.62	2282.06	2282.62
4	2276.61	2276.61	2276.61	2276.72	2276.72	2276.94	2276.83	2277.28	2277.83	2278.28
5	2272.82	2272.71	2272.49	2272.37	2272.15	2272.15	2272.49	2272.26	2272.60	2272.93
6	2268.92	2268.59	2267.92	2267.70	2267.47	2266.92	2266.58	2266.58	2266.81	2267.47
7	2265.02	2264.13	2263.46	2262.68	2261.91	2261.24	2261.01	2260.57	2260.57	2260.46
8	2260.90	2259.79	2258.56	2257.34	2256.34	2255.56	2254.55	2253.66	2253.22	2252.99
9	2256.45	2255.22	2253.44	2251.99	2250.32	2248.76	2247.43	2245.98	2245.20	2244.98
10	2252.10	2250.32	2248.32	2246.31	2243.97	2241.86	2239.52	2238.07	2236.62	2235.84
11	2244.98	2245.42	2242.97	2240.19	2237.29	2234.17	2231.72	2229.38	2227.27	2225.82
12	2233.17	2233.50	2233.95	2233.95	2229.83	2226.49	2222.81	2219.47	2217.02	2215.01
13	2221.36	2221.36	2221.47	2221.47	2222.48	2217.91	2213.68	2209.45	2206.33	2203.88
14	2209.67	2209.00	2208.55	2208.11	2208.55	2209.00	2203.65	2199.31	2195.19	2191.62
15	2197.53	2196.52	2195.30	2194.74	2194.19	2194.07	2193.85	2188.17	2182.60	2178.82
16	2185.28	2183.94	2182.16	2180.71	2179.60	2179.26	2179.82	2175.81	2170.24	2165.23
17	2173.36	2171.02	2168.90	2166.45	2164.56	2163.67	2163.11	2163.89	2156.99	2150.97
18	2160.99	2157.88	2155.20	2152.08	2149.63	2147.52	2146.63	2146.96	2142.62	2135.82
19	2148.52	2144.96	2141.17	2137.27	2134.04	2131.14	2129.47	2128.69	2128.14	2120.68
20	2135.93	2131.92	2127.14	2122.46	2118.11	2114.33	2111.65	2110.09	2110.99	2104.64
21	2123.24	2118.56	2112.77	2107.31	2102.07	2097.51	2093.61	2091.49	2091.49	2088.15
22	2105.42	2104.41	2098.51	2091.83	2085.59	2079.91	2075.23	2072.22	2071.45	2070.22
23	2086.70	2084.59	2082.58	2076.57	2069.33	2061.87	2056.30	2052.40	2050.39	2051.06
24	2067.99	2065.32	2062.53	2060.53	2052.18	2044.27	2037.25	2032.13	2029.12	2029.01
25	2049.17	2045.61	2042.26	2039.15	2035.14	2025.56	2017.65	2011.08	2007.40	2006.62
26	2030.12	2025.78	2021.77	2018.32	2014.86	2006.96	1997.60	1990.14	1985.35	1983.46
27	2010.97	2005.95	2001.50	1996.60	1992.37	1987.91	1977.33	1968.75	1962.52	1959.73
28	1991.81	1986.46	1980.67	1974.88	1969.64	1965.63	1956.84	1946.92	1939.68	1935.67
29	1972.54	1966.64	1959.84	1952.94	1946.81	1941.58	1936.12	1924.54	1916.07	1911.06
30	1953.61	1946.70	1939.24	1931.44	1923.76	1917.52	1913.06	1902.15	1892.12	1886.11
31	1934.67	1926.87	1918.41	1909.28	1900.81	1893.01	1887.45	1879.20	1867.95	1860.60
32	1912.84	1906.83	1897.36	1887.22	1877.64	1868.96	1862.27	1856.04	1843.45	1834.76
33	1888.56	1884.22	1876.20	1865.28	1854.37	1844.45	1836.10	1830.42	1818.39	1808.59
34	1864.28	1859.27	1853.70	1843.23	1831.09	1819.50	1810.04	1803.13	1793.22	1781.86
35	1839.89	1833.87	1827.86	1820.84	1807.70	1795.22	1783.86	1775.73	1767.82	1755.35
36	1815.27	1808.81	1801.57	1794.67	1784.08	1769.83	1757.58	1747.89	1742.09	1727.95
37	1790.88	1783.42	1775.29	1767.49	1760.58	1744.99	1731.29	1720.15	1713.14	1700.22
38	1766.38	1758.36	1749.33	1740.54	1732.07	1719.93	1704.78	1691.97	1683.51	1672.37
39	1742.09	1733.18	1723.27	1713.36	1704.11	1694.98	1678.16	1664.13	1653.99	1644.41
40	1717.59	1707.57	1696.99	1686.40	1675.27	1666.69	1651.54	1635.84	1624.25	1615.90
41	1693.09	1682.28	1670.70	1659.01	1647.09	1636.62	1624.70	1607.44	1594.52	1586.83

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CANDELA TABULATION - (Cont.)

42	1667.58	1657.11	1644.75	1631.94	1618.69	1607.21	1597.75	1579.15	1564.55	1555.42
43	1639.29	1631.16	1618.69	1604.32	1590.28	1577.25	1566.78	1550.86	1534.37	1524.01
44	1611.00	1602.09	1592.51	1577.25	1561.88	1547.74	1535.71	1522.56	1504.30	1492.27
45	1582.60	1573.13	1563.11	1549.96	1533.81	1518.00	1504.63	1494.16	1474.34	1460.53
46	1553.97	1544.28	1533.48	1521.78	1505.19	1488.37	1473.67	1462.31	1444.38	1428.45
47	1525.79	1515.44	1503.74	1491.04	1477.12	1458.74	1442.59	1429.90	1414.08	1396.82
48	1497.62	1486.48	1474.23	1460.64	1447.49	1429.23	1411.63	1397.48	1383.90	1365.18
49	1469.44	1457.52	1444.38	1430.12	1415.86	1399.94	1380.67	1364.96	1353.71	1333.22
50	1441.26	1428.67	1414.75	1399.60	1384.68	1369.97	1349.81	1332.55	1320.41	1301.25
51	1412.97	1399.94	1385.23	1369.31	1353.27	1337.56	1319.07	1300.47	1286.44	1269.18
52	1384.01	1371.53	1355.72	1339.23	1321.97	1305.15	1288.67	1268.17	1252.69	1237.65
53	1352.82	1342.02	1326.54	1309.16	1290.89	1272.96	1256.70	1236.10	1218.83	1205.58
54	1321.52	1310.16	1297.13	1279.20	1259.93	1240.88	1223.40	1204.24	1185.42	1173.50
55	1290.23	1278.42	1264.72	1249.35	1229.08	1208.92	1190.32	1172.61	1152.11	1138.08
56	1259.04	1247.01	1232.64	1217.83	1198.45	1177.40	1157.24	1139.86	1118.37	1102.99
57	1227.96	1215.38	1200.45	1185.19	1168.04	1145.88	1124.60	1105.71	1085.34	1068.00
58	1196.89	1183.75	1168.60	1152.23	1135.18	1114.69	1091.86	1071.62	1052.34	1033.00
59	1165.81	1152.34	1136.52	1119.59	1101.67	1083.28	1059.50	1038.03	1019.55	998.42
60	1134.74	1120.93	1104.50	1086.82	1068.47	1049.93	1027.51	1004.56	985.31	963.88
61	1103.82	1089.54	1072.67	1054.36	1035.18	1015.95	995.56	971.13	950.22	929.84
62	1072.73	1058.33	1041.01	1021.98	1001.96	982.22	962.85	938.16	915.72	895.85
63	1041.75	1027.06	1009.46	989.98	969.33	948.50	928.15	905.63	881.41	862.38
64	1010.62	995.59	977.87	958.07	936.72	914.94	893.72	873.34	847.61	826.93
65	979.50	964.21	946.22	926.14	904.44	882.00	859.78	838.90	814.08	791.62
66	948.49	932.99	914.67	894.28	872.21	848.94	826.07	804.02	780.94	756.86
67	917.50	901.82	883.38	862.52	839.95	816.14	792.23	769.46	748.41	722.03
68	886.48	870.70	852.08	830.97	808.07	783.75	758.99	735.32	713.34	688.23
69	855.53	839.70	820.78	799.61	776.50	751.53	726.34	701.53	678.60	654.71
70	824.74	808.75	789.71	768.44	745.08	719.88	693.57	667.81	643.95	621.52
71	793.95	777.93	758.91	737.38	713.75	688.23	661.80	634.85	610.04	587.62
72	765.85	747.87	728.06	706.46	682.56	657.02	630.19	602.49	576.44	552.78
73	738.24	720.15	698.85	675.69	651.77	625.98	598.89	570.70	543.37	518.51
74	710.66	692.58	671.24	646.85	621.08	595.20	568.03	539.54	510.92	484.88
75	683.09	665.04	643.70	619.28	592.37	564.80	537.29	508.83	479.59	451.99
76	655.58	637.54	616.24	591.85	565.04	535.75	507.07	478.54	449.11	419.68
77	628.09	610.08	588.89	564.61	537.81	508.67	477.78	448.71	419.29	388.94
78	600.64	582.72	561.66	537.51	510.87	482.00	451.10	419.13	389.77	359.18
79	573.23	555.45	534.53	510.52	484.14	455.43	424.75	392.41	360.85	330.16
80	545.91	528.23	507.51	483.65	457.56	429.09	398.54	366.73	333.52	301.90
81	521.26	501.59	480.57	456.81	431.13	402.97	372.92	341.48	308.75	274.35
82	500.46	480.96	458.01	431.52	404.78	377.08	347.48	316.48	284.48	249.98
83	479.65	460.40	437.53	411.42	382.99	352.03	322.32	291.86	260.52	227.32
84	458.86	439.87	417.13	391.40	363.31	332.73	300.31	267.53	237.05	205.15
85	438.11	419.39	396.80	371.47	343.79	313.63	281.82	248.40	214.23	183.53
86	417.40	398.96	376.54	351.64	324.39	294.82	263.59	230.95	197.63	163.84
87	396.70	378.58	356.34	331.88	305.10	276.14	245.56	213.73	181.36	148.71
88	376.04	358.23	336.20	312.19	285.91	257.58	227.68	196.72	165.38	133.96
89	355.40	337.93	316.12	292.57	266.81	239.11	209.96	179.91	149.64	119.56
90	334.80	317.67	296.09	273.01	247.79	220.74	192.38	163.28	134.12	105.44
91	321.02	304.12	283.01	260.31	235.54	209.02	181.26	152.90	124.58	96.91
92	307.25	290.61	269.95	247.66	223.35	197.37	170.26	142.64	115.18	88.55
93	293.51	277.12	256.94	235.06	211.23	185.79	159.34	132.51	105.90	80.34
94	279.79	263.67	243.98	222.50	199.16	174.29	148.50	122.45	96.72	72.22
95	266.08	250.23	231.02	210.00	187.14	162.84	137.73	112.46	87.62	67.24
96	252.38	236.81	218.12	197.51	175.17	151.43	127.01	103.66	83.09	63.43
97	238.69	223.41	205.22	185.06	163.23	140.09	119.23	98.86	78.80	59.67

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CANDELA TABULATION - (Cont.)

98	225.01	210.01	192.33	172.64	153.13	133.86	114.02	94.10	74.55	55.94
99	211.32	196.63	181.43	164.95	147.14	128.27	108.83	89.40	70.36	52.60
100	201.51	189.20	174.79	158.63	141.16	122.69	103.69	84.71	66.17	50.27
101	194.37	182.30	168.16	152.33	135.22	117.14	98.59	80.04	63.07	47.98
102	187.22	175.39	161.53	146.04	129.28	111.61	93.49	75.78	60.53	45.70
103	180.09	168.50	154.93	139.76	123.36	106.09	88.42	73.01	58.03	43.47
104	172.95	161.60	148.31	133.50	117.47	100.59	85.07	70.26	55.54	41.34
105	165.82	154.72	141.72	127.23	111.56	96.39	82.08	67.53	53.05	39.50
106	158.68	147.85	135.13	120.98	106.70	93.19	79.12	64.81	50.58	37.68
107	151.57	140.97	128.53	115.78	103.28	90.00	76.17	62.11	48.52	35.87
108	144.44	134.09	123.35	112.17	99.88	86.82	73.23	59.42	46.51	34.05
109	137.67	129.37	119.58	108.56	96.48	83.65	70.30	57.06	44.50	32.25
110	133.57	125.40	115.79	104.96	93.10	80.50	67.38	54.84	42.49	30.60
111	129.47	121.45	112.01	101.38	89.72	77.35	64.79	52.63	40.50	29.13
112	125.37	117.49	108.23	97.79	86.35	74.20	62.39	50.44	38.50	27.67
113	121.28	113.54	104.45	94.21	82.98	71.47	59.98	48.25	36.59	26.20
114	117.18	109.59	100.68	90.64	79.70	68.89	57.59	46.05	34.94	24.72
115	113.07	105.64	96.91	87.05	76.91	66.29	55.19	43.83	33.30	23.23
116	108.97	101.69	93.13	83.91	74.12	63.70	52.79	41.75	31.64	21.73
117	104.88	97.74	89.63	80.93	71.34	61.10	50.40	39.94	29.99	19.35
118	100.78	94.04	86.50	77.96	68.55	58.50	47.99	38.13	28.33	14.65
119	97.04	90.76	83.36	74.98	65.76	55.91	45.85	36.30	26.66	9.95
120	93.65	87.49	80.23	72.01	62.98	53.30	43.87	34.48	24.98	5.25
121	90.25	84.22	77.09	69.04	60.18	50.83	41.87	32.63	22.59	0.54
122	86.86	80.94	73.96	66.07	57.37	48.67	39.87	30.79	17.63	0.00
123	83.46	77.66	70.82	63.09	54.70	46.49	37.87	28.93	12.66	0.00
124	80.07	74.37	67.69	60.12	52.36	44.31	35.84	27.07	7.67	0.00
125	76.66	71.09	64.56	57.38	50.03	42.12	33.82	23.00	2.66	0.00
126	73.25	67.81	61.41	54.89	47.69	39.94	31.78	17.71	0.00	0.00
127	69.83	64.53	58.78	52.39	45.35	37.74	29.73	12.40	0.00	0.00
128	66.43	61.65	56.15	49.90	42.99	35.55	25.73	7.07	0.00	0.00
129	63.43	58.90	53.51	47.41	40.64	33.34	20.11	1.73	0.00	0.00
130	60.57	56.14	50.88	44.89	38.27	31.12	14.46	0.00	0.00	0.00
131	57.70	53.38	48.24	42.38	35.90	25.62	8.81	0.00	0.00	0.00
132	54.84	50.62	45.58	39.87	33.53	19.66	3.14	0.00	0.00	0.00
133	51.98	47.85	42.94	37.34	28.80	13.69	0.00	0.00	0.00	0.00
134	49.12	45.09	40.29	34.82	22.52	7.70	0.00	0.00	0.00	0.00
135	46.25	42.32	37.64	29.52	16.23	1.69	0.00	0.00	0.00	0.00
136	43.38	39.55	34.59	22.94	9.93	0.00	0.00	0.00	0.00	0.00
137	40.51	36.77	27.74	16.35	3.61	0.00	0.00	0.00	0.00	0.00
138	37.64	30.58	20.89	9.76	0.00	0.00	0.00	0.00	0.00	0.00
139	31.40	23.49	14.04	3.15	0.00	0.00	0.00	0.00	0.00	0.00
140	24.12	16.41	7.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	16.84	9.31	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	9.55	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	2.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2288.97	2289.30	2289.53	2289.86	2290.08	2289.75	2289.42	2289.08	2288.75	2288.41
2	2286.41	2286.97	2287.52	2288.08	2288.64	2287.86	2287.19	2286.52	2285.74	2285.18
3	2283.18	2283.62	2284.29	2285.07	2285.85	2284.85	2283.85	2283.07	2282.29	2281.51
4	2279.28	2279.95	2280.73	2281.62	2282.73	2281.40	2280.17	2279.06	2278.06	2276.83
5	2273.49	2274.38	2275.38	2276.61	2278.06	2276.27	2274.71	2273.38	2272.15	2271.15
6	2267.92	2268.48	2269.70	2271.26	2272.93	2270.82	2268.92	2267.25	2266.14	2265.36
7	2261.01	2261.57	2262.91	2264.58	2266.58	2264.02	2261.79	2260.01	2258.90	2257.90
8	2252.99	2253.89	2255.11	2256.89	2259.12	2256.34	2254.00	2252.10	2250.77	2250.10
9	2244.86	2245.20	2246.42	2248.54	2250.99	2247.87	2245.09	2243.30	2242.41	2241.75
10	2235.29	2235.73	2236.62	2238.52	2241.19	2237.85	2235.29	2233.73	2232.50	2232.39
11	2224.93	2224.93	2225.82	2227.82	2230.61	2227.04	2224.37	2222.81	2222.03	2222.14
12	2213.90	2213.79	2214.68	2216.46	2219.36	2215.57	2212.90	2211.34	2210.67	2211.12
13	2202.32	2201.54	2201.87	2203.65	2206.77	2202.76	2200.09	2198.75	2198.64	2199.42
14	2189.17	2188.17	2188.73	2190.40	2193.63	2189.51	2186.72	2185.39	2185.39	2186.95
15	2175.92	2174.36	2174.58	2175.92	2179.15	2174.92	2172.47	2171.02	2171.80	2173.69
16	2161.55	2159.66	2159.66	2161.11	2164.56	2160.10	2157.65	2156.54	2157.32	2159.55
17	2146.74	2144.29	2143.73	2145.07	2148.52	2143.95	2141.39	2140.95	2142.28	2145.40
18	2131.14	2127.91	2127.25	2128.58	2132.26	2127.36	2124.80	2124.35	2126.24	2130.14
19	2114.99	2111.21	2109.65	2110.87	2114.55	2109.43	2106.98	2107.31	2109.87	2114.33
20	2097.84	2093.28	2091.27	2091.83	2095.73	2090.49	2088.38	2088.93	2092.16	2097.95
21	2079.91	2074.34	2072.45	2072.89	2076.68	2071.45	2069.44	2070.00	2073.90	2080.69
22	2061.53	2055.30	2052.29	2052.73	2056.74	2051.17	2049.28	2050.73	2055.41	2062.42
23	2042.38	2035.69	2032.13	2032.13	2036.03	2030.46	2028.90	2030.90	2036.03	2043.15
24	2022.88	2014.86	2010.63	2010.52	2014.42	2008.74	2007.29	2009.85	2016.42	2021.10

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CANDELA TABULATION - (Cont.)

25	2002.50	1993.59	1988.80	1988.02	1991.92	1986.13	1985.24	1988.13	1995.26	1998.38
26	1981.56	1971.65	1966.08	1964.85	1968.75	1963.07	1962.52	1965.97	1973.88	1974.32
27	1960.07	1949.04	1942.80	1941.46	1945.14	1939.57	1938.90	1943.69	1952.05	1950.38
28	1935.78	1926.21	1918.85	1917.18	1920.97	1915.18	1915.18	1920.19	1928.32	1925.87
29	1910.50	1902.59	1894.69	1892.23	1895.91	1890.34	1890.68	1896.36	1902.48	1901.48
30	1884.77	1878.31	1869.62	1866.95	1870.40	1864.72	1865.50	1872.19	1876.31	1875.97
31	1858.15	1853.70	1843.90	1840.89	1844.90	1838.66	1839.44	1846.90	1849.80	1850.24
32	1831.31	1828.30	1818.17	1814.38	1817.72	1812.15	1813.38	1821.40	1822.29	1824.29
33	1804.02	1802.46	1791.21	1786.87	1790.32	1784.53	1786.42	1795.56	1794.89	1797.78
34	1776.18	1776.18	1763.81	1759.36	1762.59	1756.80	1759.02	1769.16	1767.04	1770.61
35	1748.00	1747.89	1736.30	1730.85	1734.19	1728.39	1731.40	1740.31	1738.75	1743.65
36	1719.60	1718.59	1708.46	1702.33	1705.12	1699.88	1703.22	1711.02	1709.79	1715.92
37	1690.86	1688.74	1679.61	1673.04	1675.82	1670.48	1674.60	1681.28	1680.72	1688.08
38	1661.90	1658.67	1650.87	1643.08	1645.64	1640.52	1645.53	1650.99	1651.77	1660.12
39	1632.16	1628.26	1621.14	1613.34	1615.57	1610.67	1615.79	1620.36	1622.03	1631.61
40	1602.54	1597.30	1591.62	1582.71	1584.71	1579.93	1586.05	1588.84	1591.95	1603.20
41	1572.69	1566.11	1561.77	1551.86	1553.75	1549.07	1555.98	1557.87	1561.88	1573.69
42	1542.28	1534.82	1530.92	1520.45	1522.01	1517.66	1525.13	1526.24	1531.59	1542.06
43	1511.98	1502.85	1500.29	1489.37	1490.82	1486.14	1494.61	1494.16	1500.73	1510.20
44	1481.13	1471.11	1469.44	1457.30	1458.41	1454.18	1463.31	1462.09	1469.66	1478.46
45	1450.28	1439.03	1438.14	1425.00	1425.66	1421.77	1431.79	1429.79	1438.47	1446.38
46	1419.76	1406.40	1404.95	1392.70	1393.59	1389.47	1398.93	1396.93	1407.51	1414.19
47	1387.79	1373.65	1371.76	1359.73	1359.50	1356.50	1365.52	1364.07	1375.10	1381.89
48	1354.38	1341.13	1337.79	1326.31	1326.31	1323.08	1330.99	1331.10	1341.57	1349.81
49	1321.19	1308.05	1303.37	1293.01	1292.12	1289.89	1296.57	1297.91	1307.60	1317.85
50	1287.00	1274.74	1269.06	1259.49	1258.04	1255.81	1262.27	1264.61	1273.63	1285.44
51	1253.36	1241.55	1234.31	1225.40	1224.18	1221.84	1227.30	1231.42	1239.88	1253.36
52	1219.72	1208.03	1199.67	1191.43	1189.76	1187.64	1192.43	1197.56	1206.13	1221.62
53	1185.97	1174.39	1164.70	1157.24	1155.23	1153.45	1157.46	1163.70	1172.27	1189.32
54	1152.23	1141.09	1130.06	1122.71	1119.70	1118.81	1122.38	1129.95	1138.19	1156.79
55	1118.59	1107.03	1094.82	1088.09	1084.90	1084.25	1087.02	1095.85	1104.31	1121.15
56	1085.30	1071.59	1059.47	1053.22	1049.38	1049.26	1051.75	1059.81	1070.74	1085.82
57	1051.78	1036.06	1024.06	1017.85	1014.17	1013.91	1016.19	1024.17	1037.25	1050.47
58	1018.60	1000.65	988.40	982.95	977.72	978.79	980.47	988.88	1003.90	1015.59
59	985.43	965.25	952.98	947.52	942.40	943.34	944.77	953.35	970.39	980.58
60	950.13	929.82	917.54	911.99	905.75	907.65	908.94	918.08	935.02	946.26
61	913.73	894.86	881.88	876.83	869.92	872.08	873.32	882.58	898.27	911.70
62	877.62	860.03	846.12	840.89	833.22	835.82	837.56	847.40	862.05	877.60
63	841.61	824.99	810.68	805.08	796.78	800.19	801.67	812.24	826.24	843.58
64	806.27	790.61	775.08	769.05	760.10	764.02	765.82	777.66	790.37	808.44
65	770.92	756.07	738.87	731.76	723.46	726.78	729.57	742.77	754.91	772.95
66	735.97	721.46	702.24	694.43	686.76	689.28	692.91	708.13	719.89	737.86
67	701.36	684.26	665.77	657.02	650.04	651.80	656.04	671.09	685.25	703.16
68	666.88	647.47	629.37	619.74	612.32	614.57	619.94	634.11	650.49	669.02
69	631.15	611.22	593.25	582.48	575.98	577.27	583.56	597.87	614.70	635.18
70	595.97	575.33	557.67	545.86	539.47	540.13	547.83	561.82	579.41	602.02
71	561.50	540.16	522.64	509.10	502.36	503.67	512.56	526.62	544.85	568.03
72	527.73	505.16	488.01	472.36	466.08	466.86	477.92	491.65	510.99	533.08
73	494.79	471.00	454.11	436.12	429.64	430.52	443.74	457.37	477.81	499.08
74	462.42	436.23	418.32	400.72	393.74	394.94	407.92	422.25	445.27	465.50
75	427.79	402.67	382.58	365.82	358.09	359.76	372.17	388.77	410.87	432.54
76	394.64	369.86	347.92	331.03	322.81	325.07	337.55	355.87	377.90	400.27
77	362.15	338.07	314.47	296.95	288.35	290.98	303.87	323.56	345.40	369.51
78	330.62	306.40	282.27	263.44	254.93	257.09	271.21	291.59	313.81	339.91
79	300.24	274.50	250.33	231.49	222.07	224.76	239.27	260.19	283.50	311.11
80	271.99	244.45	220.06	200.57	190.16	193.56	208.45	230.24	255.61	282.91

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CANDELA TABULATION - (Cont.)

81	244.84	215.74	191.50	171.68	159.83	163.95	179.52	201.70	228.51	255.41
82	218.75	189.40	164.47	143.58	130.45	135.22	152.25	175.36	202.50	231.38
83	193.76	165.14	138.45	116.68	103.71	107.80	126.27	151.23	177.74	209.10
84	172.64	142.13	114.36	92.65	78.97	82.95	102.29	128.35	157.07	187.22
85	152.26	121.46	94.01	71.91	57.13	61.63	82.22	108.05	137.09	165.82
86	132.65	103.81	76.25	54.38	38.18	43.82	64.68	90.83	117.90	146.58
87	116.09	87.04	61.36	39.15	22.89	29.01	50.18	74.46	101.79	132.36
88	103.09	74.04	48.73	29.01	11.84	19.05	37.75	61.88	89.41	118.47
89	90.49	63.55	39.90	22.07	5.63	12.14	29.24	51.80	77.42	104.88
90	78.23	53.51	32.64	18.16	4.66	8.23	22.22	42.14	65.73	91.54
91	70.89	47.58	28.48	16.05	0.00	6.44	18.34	36.58	58.80	83.49
92	63.75	41.87	24.95	14.65	0.00	5.75	15.15	31.23	52.05	75.61
93	56.76	37.37	22.90	13.23	0.00	5.24	13.57	27.11	45.44	67.86
94	51.79	34.67	21.10	11.91	0.00	4.88	12.26	24.81	40.86	60.20
95	48.50	32.05	19.56	10.76	0.00	4.62	11.29	22.58	37.98	55.63
96	45.30	29.92	18.10	9.13	0.00	4.06	10.40	20.89	35.19	52.19
97	42.13	28.11	16.79	0.73	0.00	0.34	9.71	19.55	32.40	48.79
98	39.92	26.33	15.48	0.00	0.00	0.00	9.00	18.22	30.61	45.43
99	37.86	24.70	14.37	0.00	0.00	0.00	8.43	17.07	28.95	42.48
100	35.82	23.23	13.32	0.00	0.00	0.00	7.88	16.09	27.34	40.55
101	33.82	21.77	12.26	0.00	0.00	0.00	7.29	15.11	25.74	38.65
102	32.08	20.30	9.86	0.00	0.00	0.00	5.92	14.14	24.46	36.77
103	30.44	19.08	4.63	0.00	0.00	0.00	2.83	13.36	23.24	34.92
104	28.81	17.93	0.00	0.00	0.00	0.00	0.00	12.63	22.04	33.19
105	27.17	16.78	0.00	0.00	0.00	0.00	0.00	11.87	20.82	31.76
106	25.54	15.61	0.00	0.00	0.00	0.00	0.00	11.06	19.60	30.34
107	24.24	14.42	0.00	0.00	0.00	0.00	0.00	10.21	18.66	28.95
108	22.94	10.28	0.00	0.00	0.00	0.00	0.00	7.35	17.70	27.53
109	21.62	5.74	0.00	0.00	0.00	0.00	0.00	4.16	16.72	26.13
110	20.30	1.27	0.00	0.00	0.00	0.00	0.00	0.93	15.71	24.83
111	18.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.70	23.70
112	17.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.67	22.56
113	13.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.67	21.41
114	9.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20	20.25
115	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.68	19.08
116	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	17.89
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.18
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.31
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.41
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	300	305	310	315	320	325	330	335	340	345
0	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42	2290.42
1	2288.08	2287.86	2287.63	2287.30	2287.08	2286.85	2286.63	2286.52	2286.41	2286.30
2	2284.63	2284.29	2283.85	2283.51	2283.18	2282.96	2282.62	2282.40	2282.29	2282.06
3	2280.73	2280.06	2279.61	2279.28	2278.72	2278.39	2278.17	2278.06	2277.83	2277.83
4	2276.16	2275.38	2274.71	2274.49	2274.05	2273.82	2273.60	2273.38	2273.38	2273.27
5	2270.70	2270.04	2269.70	2269.26	2268.92	2268.81	2268.70	2268.81	2268.70	2268.81
6	2264.24	2263.91	2263.35	2263.69	2263.58	2263.69	2263.69	2263.91	2264.13	2264.13
7	2257.56	2257.12	2257.23	2257.34	2257.56	2258.01	2258.45	2258.90	2259.34	2259.68

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CANDELA TABULATION - (Cont.)

8	2249.76	2249.65	2250.21	2250.54	2251.21	2251.99	2252.88	2253.77	2254.44	2255.11
9	2241.41	2241.75	2242.30	2243.30	2244.64	2245.87	2247.31	2248.21	2249.43	2250.43
10	2232.50	2233.28	2234.06	2235.73	2237.40	2239.41	2241.30	2243.53	2244.31	2245.64
11	2222.81	2224.15	2226.04	2227.60	2230.05	2232.50	2234.84	2237.29	2236.29	2235.95
12	2212.34	2214.12	2216.57	2219.69	2222.14	2225.26	2225.26	2224.59	2224.26	2223.70
13	2201.20	2203.76	2206.88	2210.45	2214.23	2212.79	2211.90	2211.45	2211.67	2211.45
14	2189.40	2192.74	2196.86	2201.09	2199.64	2198.64	2198.31	2198.53	2199.09	2199.09
15	2176.92	2181.04	2185.94	2185.94	2184.94	2184.72	2184.83	2185.16	2185.94	2186.61
16	2163.67	2168.79	2171.35	2170.24	2169.79	2170.13	2170.68	2171.91	2173.02	2174.36
17	2149.86	2155.98	2154.76	2153.98	2154.53	2155.43	2156.99	2158.43	2160.10	2161.89
18	2135.82	2138.50	2137.38	2137.60	2138.61	2140.50	2142.39	2144.84	2146.96	2149.19
19	2120.90	2120.34	2119.45	2120.56	2122.35	2125.24	2128.14	2130.92	2133.82	2136.71
20	2103.19	2101.30	2101.52	2103.30	2106.20	2109.43	2113.55	2117.00	2120.79	2123.46
21	2083.14	2082.14	2083.14	2085.59	2089.49	2093.83	2098.84	2102.97	2107.53	2108.76
22	2062.53	2062.31	2063.98	2067.66	2072.34	2077.79	2083.59	2088.38	2089.15	2090.05
23	2041.04	2042.04	2044.83	2049.28	2055.18	2061.87	2066.99	2068.55	2069.77	2070.78
24	2019.65	2021.44	2025.11	2030.57	2037.70	2045.27	2046.61	2048.50	2050.06	2051.84
25	1997.38	2000.05	2005.40	2011.75	2019.65	2023.22	2025.45	2028.34	2030.57	2032.91
26	1975.21	1978.78	1985.01	1992.59	1998.94	2001.61	2004.62	2007.96	2010.97	2013.97
27	1951.82	1956.72	1964.07	1973.43	1976.22	1979.67	1983.57	1987.58	1991.47	1994.70
28	1928.32	1934.56	1943.25	1950.93	1953.16	1957.28	1962.40	1967.19	1971.98	1975.77
29	1904.38	1911.73	1921.64	1926.09	1929.99	1935.12	1940.91	1946.81	1952.27	1956.50
30	1880.54	1888.67	1898.25	1901.48	1906.71	1912.73	1919.52	1926.43	1932.55	1937.46
31	1855.81	1865.50	1872.30	1876.64	1883.44	1890.68	1898.47	1905.82	1912.84	1917.52
32	1830.86	1841.89	1846.23	1852.14	1859.60	1867.95	1877.09	1885.22	1890.68	1893.46
33	1805.92	1815.83	1819.84	1827.19	1835.77	1845.57	1855.26	1862.27	1865.95	1869.29
34	1780.08	1788.21	1793.77	1802.02	1812.04	1822.73	1832.42	1836.54	1841.00	1844.90
35	1754.12	1760.47	1767.04	1776.62	1787.76	1800.23	1805.69	1811.04	1816.27	1820.62
36	1728.06	1732.40	1740.65	1751.34	1764.04	1773.62	1779.30	1785.31	1791.21	1796.45
37	1698.99	1704.11	1713.80	1725.61	1740.20	1745.88	1752.79	1759.92	1766.26	1772.17
38	1669.03	1675.93	1686.85	1700.33	1711.69	1718.26	1726.17	1734.19	1741.54	1747.66
39	1639.07	1647.53	1659.90	1675.27	1682.73	1690.75	1699.44	1708.46	1716.59	1723.38
40	1609.22	1619.02	1632.83	1646.64	1653.88	1663.01	1673.04	1682.62	1691.75	1698.99
41	1579.03	1590.62	1605.99	1616.01	1625.15	1635.50	1646.53	1656.89	1666.80	1674.60
42	1548.96	1561.55	1578.92	1586.05	1596.30	1608.10	1619.58	1631.38	1640.74	1645.86
43	1518.67	1532.81	1547.40	1556.09	1567.67	1580.15	1593.29	1604.76	1611.89	1617.68
44	1488.37	1504.19	1515.88	1526.13	1538.94	1552.75	1566.78	1575.25	1583.16	1589.50
45	1457.96	1475.34	1484.36	1496.28	1510.20	1525.35	1536.82	1545.84	1554.42	1561.10
46	1427.56	1443.60	1452.73	1466.21	1481.35	1496.72	1506.75	1516.66	1525.68	1532.92
47	1397.04	1410.74	1421.54	1436.13	1452.73	1465.76	1476.56	1487.59	1497.06	1504.74
48	1366.74	1377.99	1390.13	1406.28	1422.88	1435.02	1446.71	1458.19	1468.43	1476.45
49	1336.11	1345.25	1358.95	1376.32	1391.14	1404.06	1416.86	1429.01	1439.81	1448.27
50	1302.25	1312.72	1327.98	1346.25	1359.39	1373.32	1387.13	1399.82	1411.07	1420.10
51	1268.28	1280.31	1297.02	1313.50	1327.87	1342.69	1357.17	1370.87	1382.45	1391.92
52	1234.42	1247.79	1265.95	1281.20	1296.13	1312.17	1327.43	1341.79	1353.27	1360.95
53	1200.34	1215.27	1233.87	1248.68	1264.94	1281.76	1297.91	1311.95	1321.64	1329.88
54	1166.37	1183.19	1200.34	1216.16	1233.76	1251.47	1268.73	1280.09	1290.23	1298.80
55	1132.73	1151.00	1167.04	1183.97	1202.35	1220.95	1235.98	1247.90	1258.82	1267.73
56	1099.12	1118.70	1133.85	1152.00	1171.49	1189.32	1203.57	1216.16	1227.41	1236.65
57	1065.90	1084.32	1100.71	1120.04	1140.64	1156.46	1170.94	1184.41	1196.00	1205.69
58	1032.70	1049.80	1067.82	1088.54	1107.81	1123.49	1138.64	1152.56	1164.59	1174.61
59	999.57	1015.95	1035.33	1057.23	1074.00	1090.52	1106.38	1120.93	1133.40	1143.65
60	964.97	982.06	1002.82	1023.57	1040.68	1057.82	1074.17	1089.19	1102.23	1112.74
61	929.62	948.66	970.62	989.52	1007.41	1025.20	1042.05	1057.58	1071.02	1081.85
62	895.06	915.37	937.91	955.62	973.98	992.66	1010.22	1026.11	1039.69	1050.64
63	860.53	882.61	903.17	921.81	941.08	960.42	978.30	994.59	1008.32	1019.47

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CANDELA TABULATION - (Cont.)

64	826.56	850.01	868.57	888.18	908.33	928.24	946.55	962.94	977.04	988.29
65	793.00	815.48	834.47	854.82	875.75	896.09	914.73	931.30	945.74	957.10
66	759.62	780.58	800.53	821.72	843.25	864.04	883.03	899.86	914.43	925.89
67	726.85	745.92	766.92	788.78	811.02	832.10	851.46	868.52	883.13	894.72
68	692.03	711.66	733.48	756.28	778.86	800.42	819.99	837.23	851.91	863.67
69	656.99	677.84	700.59	724.14	747.28	768.91	788.67	806.02	820.77	832.69
70	622.37	644.16	668.10	692.18	715.69	737.64	757.55	775.03	789.73	801.66
71	588.26	611.16	635.87	660.53	684.35	706.36	726.43	743.95	758.71	771.92
72	554.71	578.59	604.26	629.32	653.05	675.25	695.39	713.78	730.75	744.40
73	521.65	546.96	573.01	598.16	622.08	644.20	666.10	686.25	703.26	716.89
74	488.72	515.73	542.02	567.31	591.25	615.43	638.68	658.85	675.82	689.40
75	458.06	484.96	511.28	536.70	562.61	588.18	611.35	631.47	648.41	661.96
76	427.54	454.51	480.91	507.74	535.68	561.03	584.13	604.17	621.05	634.55
77	397.58	424.63	451.47	480.99	508.66	534.08	556.97	576.93	593.76	607.18
78	368.28	395.05	425.32	454.61	482.01	507.22	529.92	549.78	566.50	579.80
79	339.37	368.70	399.36	428.40	455.47	480.48	502.99	522.71	539.27	552.47
80	311.94	343.51	373.59	402.37	429.15	453.85	476.15	495.65	512.06	525.15
81	287.47	318.61	348.29	376.58	403.03	427.32	449.41	469.19	487.74	502.60
82	263.54	294.09	323.16	350.98	377.00	402.42	427.45	449.22	467.60	482.44
83	240.16	269.88	298.30	326.24	355.93	383.08	407.82	429.33	447.45	462.30
84	217.35	246.03	276.85	307.87	337.10	363.85	388.25	409.49	427.33	442.19
85	195.09	227.61	259.25	289.67	318.39	344.72	368.75	389.70	407.24	422.07
86	179.29	210.92	241.85	271.62	299.80	325.70	349.32	369.95	387.18	401.98
87	163.76	194.47	224.64	253.72	281.33	306.74	329.95	350.25	367.14	381.91
88	148.50	178.25	207.60	235.96	262.96	287.87	310.63	330.58	347.14	361.84
89	133.48	162.24	190.72	218.32	244.68	269.06	291.37	310.94	327.16	341.79
90	118.68	146.38	173.94	200.78	226.48	250.32	272.16	291.34	307.20	321.74
91	109.68	136.57	163.47	189.74	214.93	238.35	259.84	278.73	294.39	308.59
92	100.82	126.88	153.09	178.78	203.44	226.45	247.55	266.14	281.60	295.45
93	92.09	117.31	142.80	167.88	192.01	214.57	235.31	253.59	268.84	282.30
94	83.45	107.82	132.59	157.07	180.64	202.76	223.11	241.05	256.08	269.17
95	74.88	98.41	122.44	146.30	169.31	190.97	210.92	228.54	243.34	256.05
96	70.73	90.15	112.34	135.58	158.04	179.22	198.77	216.04	230.61	242.93
97	66.81	85.74	105.06	124.89	146.81	167.50	186.63	203.56	217.88	229.82
98	62.93	81.39	100.24	119.08	137.31	155.82	174.50	191.08	205.15	216.71
99	59.09	77.03	95.45	113.86	131.70	148.63	164.24	178.62	192.41	203.62
100	55.28	72.73	90.68	108.66	126.14	142.69	157.99	171.64	183.24	192.60
101	52.56	68.46	85.97	103.50	120.58	136.80	151.76	165.14	176.54	185.72
102	50.42	64.58	81.24	98.36	115.04	130.90	145.57	158.67	169.82	178.83
103	48.32	62.20	76.51	93.21	109.53	125.02	139.38	152.20	163.12	171.95
104	46.20	59.84	73.54	88.09	104.01	119.14	133.19	145.73	156.42	165.07
105	44.12	57.51	70.97	84.28	98.51	113.26	127.01	139.27	149.73	158.18
106	42.03	55.18	68.41	81.49	94.05	107.39	120.83	132.81	143.05	151.31
107	40.38	52.87	65.87	78.71	91.05	102.59	114.65	126.35	136.35	144.43
108	38.75	50.57	63.33	75.95	88.05	99.42	109.90	119.89	129.67	137.55
109	37.14	48.57	60.81	73.19	85.08	96.25	106.53	115.61	123.33	130.67
110	35.52	46.74	58.30	70.43	82.11	93.08	103.17	112.10	119.69	125.76
111	33.91	44.93	56.10	67.70	79.15	89.92	99.84	108.59	116.04	122.01
112	32.30	43.10	54.08	64.96	76.20	86.75	96.48	105.07	112.39	118.24
113	30.74	41.29	52.05	62.63	73.24	83.61	93.13	101.56	108.75	114.49
114	29.42	39.48	50.03	60.40	70.35	80.46	89.78	98.05	105.11	110.74
115	28.11	37.65	48.00	58.17	67.93	77.30	86.44	94.55	101.46	106.98
116	26.78	35.91	45.97	55.96	65.51	74.53	83.10	91.05	97.82	103.22
117	25.45	34.43	43.93	53.72	63.10	71.94	80.01	87.55	94.18	99.47
118	24.09	32.93	41.88	51.49	60.68	69.35	77.25	84.28	90.55	95.72
119	22.73	31.42	40.08	49.26	58.27	66.76	74.51	81.37	87.22	91.96

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

CANDELA TABULATION - (Cont.)

120	21.37	29.90	38.41	47.00	55.86	64.18	71.75	78.48	84.20	88.75
121	19.40	28.36	36.71	44.88	53.43	61.58	69.00	75.59	81.18	85.64
122	15.18	26.81	35.02	43.02	50.99	58.97	66.24	72.69	78.18	82.52
123	10.93	25.26	33.32	41.15	48.67	56.37	63.48	69.79	75.17	79.41
124	6.64	23.69	31.60	39.29	46.65	53.75	60.71	66.88	72.14	76.28
125	2.31	20.16	29.88	37.41	44.62	51.36	57.94	63.98	69.12	73.17
126	0.00	15.56	28.14	35.52	42.59	49.19	55.17	61.08	66.10	70.05
127	0.00	10.91	26.39	33.64	40.56	47.01	52.86	58.17	63.07	66.93
128	0.00	6.24	22.89	31.75	38.52	44.83	50.55	55.63	60.05	63.82
129	0.00	1.53	17.90	29.85	36.48	42.65	48.25	53.21	57.39	60.69
130	0.00	0.00	12.90	27.93	34.43	40.46	45.94	50.79	54.86	58.07
131	0.00	0.00	7.86	23.03	32.37	38.27	43.62	48.36	52.34	55.47
132	0.00	0.00	2.80	17.69	30.30	36.08	41.30	45.92	49.80	52.86
133	0.00	0.00	0.00	12.32	26.07	33.88	38.97	43.49	47.26	50.26
134	0.00	0.00	0.00	6.93	20.40	31.67	36.65	41.04	44.72	47.64
135	0.00	0.00	0.00	1.52	14.72	26.87	34.32	38.59	42.18	45.03
136	0.00	0.00	0.00	0.00	9.01	20.89	31.61	36.15	39.64	42.42
137	0.00	0.00	0.00	0.00	3.28	14.90	25.37	33.70	37.10	39.81
138	0.00	0.00	0.00	0.00	0.00	8.90	19.11	28.04	34.56	37.20
139	0.00	0.00	0.00	0.00	0.00	2.87	12.85	21.55	28.86	34.59
140	0.00	0.00	0.00	0.00	0.00	0.00	6.57	15.05	22.17	27.82
141	0.00	0.00	0.00	0.00	0.00	0.00	0.27	8.54	15.48	20.98
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	8.78	14.13
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	7.28
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

CANDELA TABULATION - (Cont.)

176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	350	355	360
0	2290.42	2290.42	2290.42
1	2286.19	2286.19	2286.07
2	2281.84	2281.84	2281.84
3	2277.61	2277.50	2277.50
4	2273.27	2273.04	2273.15
5	2268.92	2268.81	2268.81
6	2264.36	2264.47	2264.58
7	2260.01	2260.12	2260.23
8	2255.56	2255.78	2255.89
9	2250.77	2251.44	2251.55
10	2246.42	2246.98	2247.20
11	2235.62	2235.29	2235.29
12	2223.48	2223.26	2223.37
13	2211.56	2211.34	2211.45
14	2199.20	2199.31	2199.53
15	2187.17	2187.28	2187.61
16	2174.92	2175.25	2175.59
17	2162.78	2163.22	2163.67
18	2150.64	2151.30	2151.75
19	2138.50	2139.28	2139.83
20	2126.24	2127.47	2127.91
21	2109.54	2109.54	2109.54
22	2090.83	2091.05	2091.16
23	2072.11	2072.56	2072.89
24	2053.40	2054.07	2054.52
25	2034.91	2035.69	2036.25
26	2016.20	2017.31	2017.87
27	1997.38	1998.94	1999.49
28	1978.67	1980.56	1981.23
29	1960.07	1962.18	1962.85
30	1941.46	1943.69	1944.58
31	1919.41	1920.53	1920.97
32	1895.46	1896.91	1897.36
33	1871.63	1873.30	1873.86
34	1847.91	1849.69	1850.24
35	1823.85	1825.96	1826.63
36	1799.90	1802.35	1803.02
37	1776.18	1778.63	1779.52
38	1752.45	1754.90	1755.91
39	1728.62	1731.29	1732.29
40	1704.67	1707.57	1708.79
41	1678.39	1680.28	1681.06
42	1650.43	1652.55	1653.32
43	1622.47	1624.70	1625.59
44	1594.40	1597.08	1597.86
45	1566.45	1569.34	1570.12
46	1538.60	1541.61	1542.39

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

CANDELA TABULATION - (Cont.)

47	1510.54	1513.77	1514.66
48	1482.58	1486.03	1486.92
49	1454.62	1458.19	1459.19
50	1426.78	1430.45	1431.46
51	1397.15	1400.16	1400.94
52	1366.41	1369.64	1370.42
53	1335.67	1339.12	1340.01
54	1304.82	1308.60	1309.49
55	1274.08	1277.97	1278.98
56	1243.33	1247.34	1248.46
57	1212.71	1216.83	1218.05
58	1181.96	1186.31	1187.53
59	1151.34	1155.68	1157.02
60	1120.59	1125.16	1126.50
61	1089.59	1094.22	1095.53
62	1058.44	1063.20	1064.53
63	1027.36	1032.14	1033.52
64	996.28	1001.08	1002.51
65	965.22	970.04	971.51
66	934.17	939.01	940.50
67	903.10	907.98	909.50
68	872.06	876.98	878.49
69	841.04	845.98	847.48
70	810.04	814.97	816.47
71	781.55	787.27	789.03
72	754.05	759.81	761.57
73	726.58	732.36	734.13
74	699.10	704.91	706.68
75	671.68	677.49	679.23
76	644.26	650.06	651.78
77	616.84	622.63	624.33
78	589.45	595.19	596.89
79	562.03	567.76	569.44
80	534.60	540.33	541.99
81	513.25	519.72	521.64
82	492.97	499.38	501.29
83	472.70	479.05	480.94
84	452.45	458.72	460.59
85	432.21	438.38	440.24
86	411.97	418.05	419.89
87	391.76	397.73	399.54
88	371.54	377.39	379.19
89	351.34	357.06	358.84
90	331.13	336.74	338.49
91	317.86	323.39	325.14
92	304.58	310.05	311.77
93	291.31	296.71	298.41
94	278.05	283.37	285.05
95	264.78	270.03	271.69
96	251.53	256.69	258.32
97	238.26	243.34	244.97
98	225.01	230.01	231.60
99	211.76	216.67	218.24
100	199.43	203.57	204.88
101	192.41	196.46	197.76
102	185.38	189.36	190.63

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

CANDELA TABULATION - (Cont.)

103	178.36	182.26	183.50
104	171.35	175.16	176.37
105	164.33	168.06	169.24
106	157.31	160.96	162.11
107	150.30	153.86	154.99
108	143.28	146.75	147.86
109	136.26	139.66	140.73
110	130.14	132.78	133.61
111	126.29	128.90	129.71
112	122.46	125.02	125.83
113	118.63	121.14	121.94
114	114.80	117.27	118.04
115	110.97	113.40	114.15
116	107.14	109.52	110.26
117	103.31	105.65	106.37
118	99.48	101.78	102.48
119	95.65	97.90	98.59
120	92.07	94.09	94.70
121	88.88	90.85	91.45
122	85.69	87.62	88.21
123	82.51	84.39	84.96
124	79.32	81.15	81.72
125	76.13	77.92	78.47
126	72.94	74.69	75.22
127	69.75	71.46	71.98
128	66.57	68.22	68.73
129	63.38	64.99	65.49
130	60.41	61.81	62.24
131	57.75	59.11	59.53
132	55.08	56.42	56.83
133	52.42	53.73	54.12
134	49.77	51.03	51.42
135	47.10	48.34	48.71
136	44.44	45.65	46.00
137	41.78	42.95	43.30
138	39.11	40.26	40.59
139	36.45	37.57	37.88
140	31.93	34.40	35.18
141	24.97	27.38	28.14
142	18.01	20.36	21.11
143	11.05	13.33	14.07
144	4.09	6.31	7.04
145	0.00	0.00	0.00
146	0.00	0.00	0.00
147	0.00	0.00	0.00
148	0.00	0.00	0.00
149	0.00	0.00	0.00
150	0.00	0.00	0.00
151	0.00	0.00	0.00
152	0.00	0.00	0.00
153	0.00	0.00	0.00
154	0.00	0.00	0.00
155	0.00	0.00	0.00
156	0.00	0.00	0.00
157	0.00	0.00	0.00
158	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

CANDELA TABULATION - (Cont.)

159	0.00	0.00	0.00
160	0.00	0.00	0.00
161	0.00	0.00	0.00
162	0.00	0.00	0.00
163	0.00	0.00	0.00
164	0.00	0.00	0.00
165	0.00	0.00	0.00
166	0.00	0.00	0.00
167	0.00	0.00	0.00
168	0.00	0.00	0.00
169	0.00	0.00	0.00
170	0.00	0.00	0.00
171	0.00	0.00	0.00
172	0.00	0.00	0.00
173	0.00	0.00	0.00
174	0.00	0.00	0.00
175	0.00	0.00	0.00
176	0.00	0.00	0.00
177	0.00	0.00	0.00
178	0.00	0.00	0.00
179	0.00	0.00	0.00
180	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	832.23	N.A.	11.50
0-30	1761.79	N.A.	24.40
0-40	2878.74	N.A.	39.90
0-60	5107.47	N.A.	70.70
0-80	6536.57	N.A.	90.50
0-90	6851.05	N.A.	94.90
10-90	6635.19	N.A.	91.90
20-40	2046.5	N.A.	28.30
20-50	3208.31	N.A.	44.40
40-70	3083.6	N.A.	42.70
60-80	1429.1	N.A.	19.80
70-80	574.23	N.A.	8.00
80-90	314.48	N.A.	4.40
90-110	261.11	N.A.	3.60
90-120	320.68	N.A.	4.40
90-130	354.82	N.A.	4.90
90-150	370.82	N.A.	5.10
90-180	370.82	N.A.	5.10
110-180	109.71	N.A.	1.50
0-180	7221.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	215.87
10-20	616.37
20-30	929.56
30-40	1116.95
40-50	1161.8
50-60	1066.93
60-70	854.87
70-80	574.23
80-90	314.48
90-100	164.96
100-110	96.15
110-120	59.56
120-130	34.15
130-140	14.74
140-150	1.26
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95
1	106	101	96	92	103	98	94	90	93	89	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	88	77	68	61	85	75	67	60	71	64	59	67	62	57	64	59	55	53
4	80	68	59	52	77	66	57	51	63	55	50	60	54	48	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	39	66	53	44	38	51	43	37	48	42	37	46	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	37	32	42	36	32	30
8	59	45	36	30	57	44	36	30	42	35	29	40	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

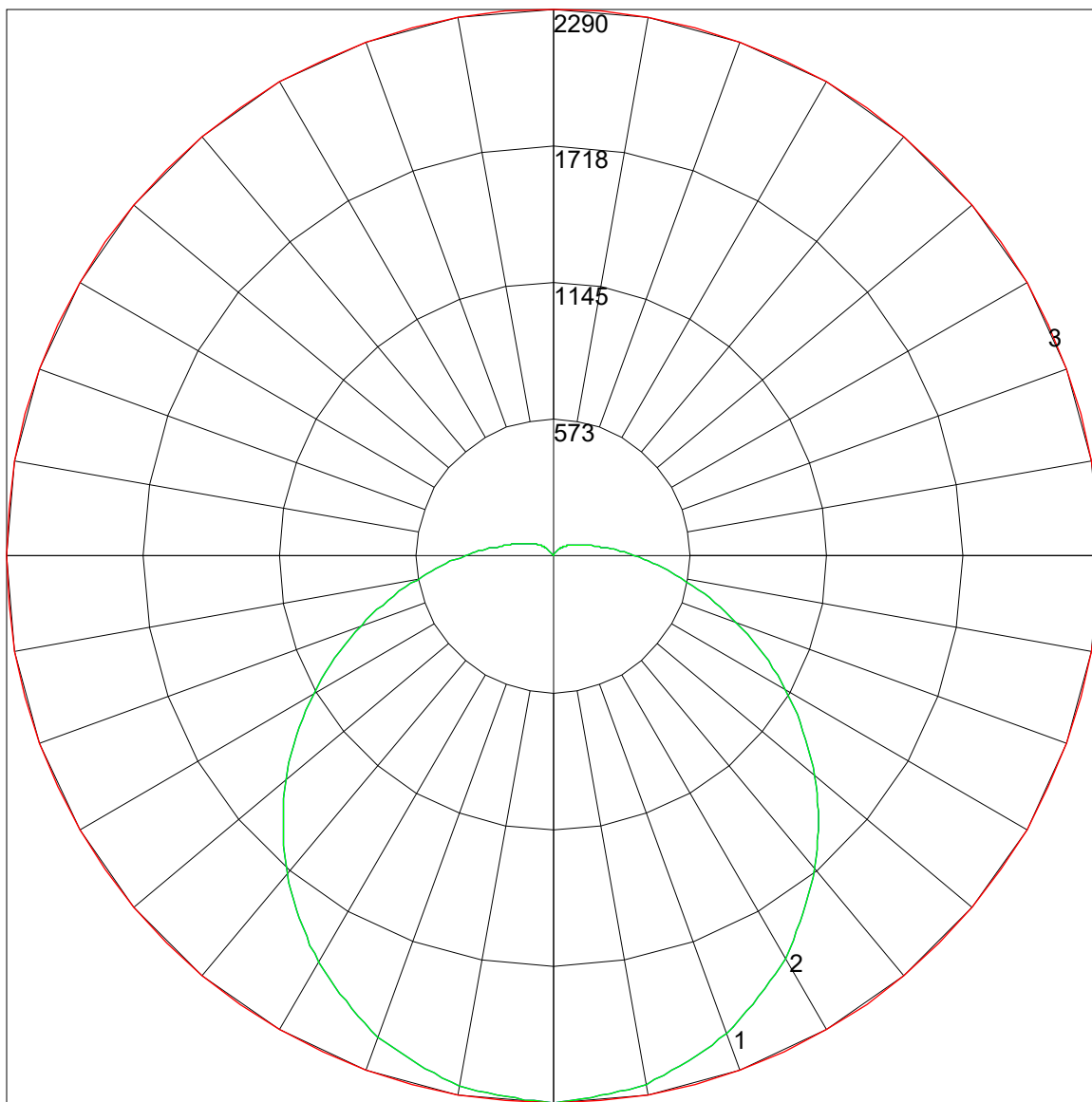
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-48-M-40.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor Cavity		20	20	20	20	20	20	20	20	20	20
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	18.1	19.7	18.6	20.1	20.6	17.5	19.1	17.9	19.5	19.9
	3H	20.2	21.6	20.7	22.1	22.5	19.1	20.6	19.6	21.0	21.5
	4H	21.1	22.5	21.6	22.9	23.4	19.7	21.1	20.2	21.5	22.0
	6H	22.0	23.2	22.5	23.7	24.2	20.1	21.3	20.5	21.8	22.3
	8H	22.4	23.6	22.9	24.1	24.6	20.1	21.3	20.6	21.8	22.3
	12H	22.8	23.9	23.3	24.4	25.0	20.1	21.3	20.7	21.8	22.3
4H	2H	18.7	20.0	19.2	20.5	21.0	18.2	19.6	18.7	20.0	20.5
	3H	21.0	22.2	21.5	22.6	23.2	20.1	21.2	20.6	21.7	22.2
	4H	22.1	23.1	22.6	23.6	24.2	20.8	21.8	21.3	22.3	22.9
	6H	23.1	24.1	23.7	24.6	25.1	21.3	22.2	21.8	22.7	23.3
	8H	23.6	24.5	24.1	25.0	25.6	21.4	22.2	21.9	22.8	23.4
	12H	24.1	24.9	24.7	25.5	26.0	21.4	22.2	22.0	22.8	23.4
8H	4H	22.4	23.2	22.9	23.8	24.4	21.3	22.1	21.8	22.7	23.2
	6H	23.6	24.3	24.2	24.9	25.5	21.9	22.6	22.5	23.2	23.8
	8H	24.2	24.9	24.8	25.5	26.1	22.1	22.8	22.7	23.4	24.0
	12H	24.9	25.5	25.5	26.1	26.7	22.2	22.8	22.8	23.4	24.1
12H	4H	22.4	23.2	23.0	23.7	24.3	21.4	22.2	21.9	22.7	23.3
	6H	23.7	24.3	24.3	24.9	25.5	22.1	22.8	22.7	23.3	24.0
	8H	24.4	25.0	24.9	25.5	26.2	22.4	23.0	23.0	23.5	24.2

Maximum UGR = 26.7

POLAR GRAPH



Maximum Candela = 2290.42 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)