



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DVWL48HFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]BALLABS TEST NO. 18102.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 02-MAY-2014

[MANUFAC] LAMAR LIGHTING CO., INC.

[LUMINAIRE] 8-(72LED) 22"BOARDS 4'ENCLOSED/GASKETED LUMINAIRE

[MORE] WHITE REFLECTOR & FROSTED ACRYLIC DROP LENS

[MORE] 2 ULT DRIVERS #D23CC90UNVT-F MOUNTED TO ALUM HEATSINK

[LUMCAT] DVWL48HFA30

[LAMPCAT] M700C830D72N2S

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25975
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	187.18
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.25 ft
Luminous Width (90-270)	1.15 ft
Luminous Height	0.27 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17060	14837	14262
55	14599	12184	12256
65	11993	9963	10739
75	8888	7764	8887
85	5463	5628	6948

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9579.608	9579.608	9579.608	9579.608	9579.608
5	9501.052	9492.482	9492.482	9483.912	9481.056
10	9396.786	9385.359	9382.503	9376.790	9373.933
15	8988.292	8985.435	8976.866	8968.296	8968.296
20	8934.017	8919.734	8902.594	8891.168	8879.741
25	8129.884	8121.314	8104.174	8098.461	8079.893
30	7475.722	7461.439	7441.443	7421.447	7391.453
35	6937.253	6925.827	6902.974	6862.982	6838.701
40	6211.677	6200.250	6158.830	6101.698	6064.562
45	5811.753	5808.896	5760.334	5681.777	5647.498
50	4936.205	4936.205	4891.928	4860.505	4860.505
55	4137.785	4146.355	4124.930	4200.630	4259.191
60	3297.945	3320.798	3350.792	3535.043	3610.742
65	2609.504	2655.210	2775.187	3015.141	3097.983
70	1949.630	2013.903	2216.722	2493.812	2572.368
75	1289.755	1382.594	1631.119	1886.784	1961.056
80	784.137	902.686	1179.776	1429.728	1492.574
85	372.786	499.905	761.284	964.103	1015.521
90	191.392	274.234	459.913	578.462	609.884
95	109.979	199.962	347.077	414.207	425.633
100	115.692	177.109	284.232	335.651	341.364
105	112.836	155.685	248.524	295.658	304.228
110	0.000	135.689	222.815	271.377	292.802
115	0.000	115.692	199.962	251.381	265.664
120	0.000	98.553	179.966	231.385	248.524
125	0.000	81.413	155.685	208.532	222.815
130	0.000	0.000	132.832	179.966	199.962
135	0.000	0.000	109.979	152.828	167.111
140	0.000	0.000	89.983	124.262	141.402
145	0.000	0.000	0.000	115.692	124.262
150	0.000	0.000	0.000	92.840	92.840
155	0.000	0.000	0.000	87.126	81.413
160	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3465.94	N.A.	13.30
0-30	7217.66	N.A.	27.80
0-40	11504.91	N.A.	44.30
0-60	19581.34	N.A.	75.40
0-80	24143.6	N.A.	92.90
0-90	24974.95	N.A.	96.10
10-90	24071.85	N.A.	92.70
20-40	8038.97	N.A.	30.90
20-50	12391.76	N.A.	47.70
40-70	10877.46	N.A.	41.90
60-80	4562.26	N.A.	17.60
70-80	1761.23	N.A.	6.80
80-90	831.35	N.A.	3.20
90-110	594.01	N.A.	2.30
90-120	768.53	N.A.	3.00
90-130	890.09	N.A.	3.40
90-150	988.63	N.A.	3.80
90-180	1000.44	N.A.	3.90
110-180	406.42	N.A.	1.60
0-180	25975.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	903.10
10-20	2562.84
20-30	3751.72
30-40	4287.25
40-50	4352.79
50-60	3723.64
60-70	2801.03
70-80	1761.23
80-90	831.35
90-100	354.56
100-110	239.45
110-120	174.52
120-130	121.55
130-140	67.57
140-150	30.98
150-160	11.80
160-170	0.00
170-180	0.00

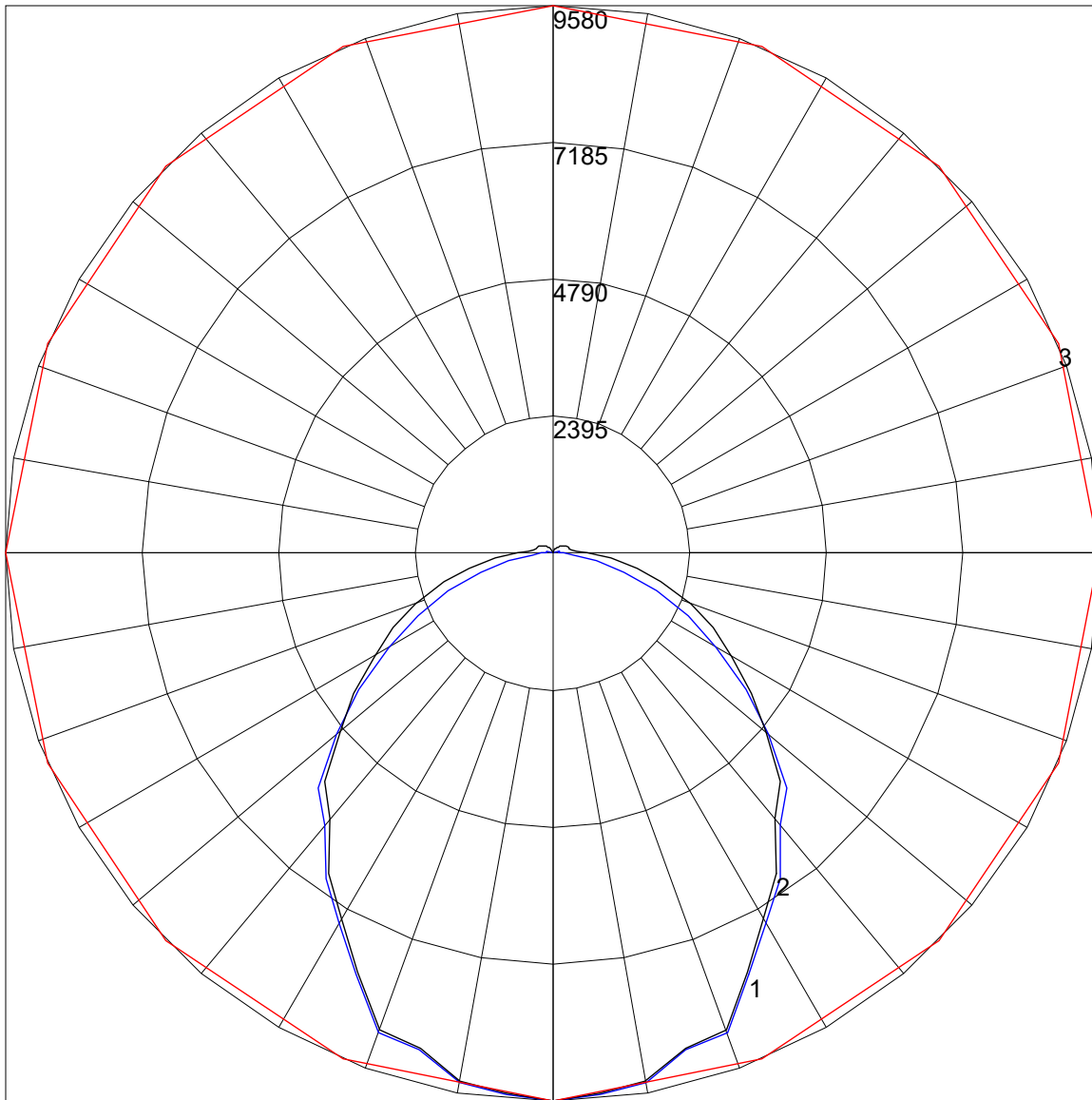
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	103	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	80
2	98	89	83	77	95	87	81	76	83	78	73	79	75	71	76	72	69	67
3	89	79	71	64	86	77	69	63	73	67	62	70	65	60	67	63	59	56
4	82	70	61	55	79	68	60	54	65	58	53	63	57	52	60	55	51	48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	49	44	42
6	70	57	48	41	68	55	47	41	53	46	40	51	45	40	49	43	39	37
7	65	51	43	37	63	50	42	36	48	41	36	47	40	35	45	39	35	33
8	60	47	39	33	59	46	38	33	44	37	32	43	36	32	41	36	31	29
9	56	43	35	30	55	42	35	29	41	34	29	40	33	29	38	33	28	26
10	53	40	32	27	51	39	32	27	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 9579.608 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 (90 - 270)
3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)