



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DVLF48MFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]BALLABS TEST NO. 18122.0P
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUE DATE] 05-MAY-2014
[MANUFAC] LAMAR LED
[LUMINAIRE] 2- (56LED) 22"BOARDS 4'ENCLOSED/GASKETED LUMINAIRE
[MORE] FLAT WHITE REFLECTOR w/DIRA FROST ACRYLIC RIBBED DROP LENS
[MORE] 1 UNIVERSAL EVERLINE LED DRIVER #D15CC55UNVT-C
[LUMCAT] DVLF48MFA30
[LAMPCAT] M10CC830D56N2S

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3670
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	31.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.25 ft
Luminous Width (90-270)	0.54 ft
Luminous Height	0.19 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4717	4123	3892
55	3917	3261	3284
65	3167	2785	3132
75	2305	2357	2808
85	1482	2146	2452

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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	1288.332	1288.332	1288.332	1288.332	1288.332
5	1292.776	1286.665	1276.665	1269.443	1267.221
10	1264.999	1249.443	1226.665	1217.777	1214.443
15	1217.221	1193.888	1173.888	1166.665	1165.554
20	1186.665	1149.999	1134.443	1134.443	1133.888
25	1081.666	1045.554	1042.777	1046.666	1052.777
30	1004.999	971.666	981.666	1001.666	1013.332
35	934.999	915.555	941.666	973.332	982.221
40	828.888	825.555	866.666	883.332	877.777
45	746.110	760.555	797.221	793.888	793.888
50	624.999	654.444	668.888	672.777	682.222
55	511.666	551.111	558.888	587.777	603.333
60	402.222	441.111	465.000	516.111	534.999
65	313.889	347.777	401.666	470.000	494.444
70	228.333	261.666	336.666	415.555	442.777
75	148.889	186.666	265.555	335.555	357.222
80	88.889	134.444	213.333	272.777	288.333
85	41.667	93.333	166.666	216.666	227.222
90	18.889	57.778	118.333	156.111	162.778
95	0.000	38.333	97.222	130.555	137.778
100	0.000	26.111	76.667	103.889	112.222
105	0.000	16.667	58.889	84.444	90.555
110	0.000	8.889	42.778	68.889	75.555
115	0.000	0.000	28.333	51.667	58.889
120	0.000	0.000	18.889	39.444	47.222
125	0.000	0.000	0.000	26.667	33.889
130	0.000	0.000	0.000	18.333	24.444
135	0.000	0.000	0.000	0.000	15.556
140	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
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	455.49	N.A.	12.40
0-30	944.11	N.A.	25.70
0-40	1530.61	N.A.	41.70
0-60	2631.6	N.A.	71.70
0-80	3313.34	N.A.	90.30
0-90	3480.61	N.A.	94.80
10-90	3360.08	N.A.	91.50
20-40	1075.12	N.A.	29.30
20-50	1669.89	N.A.	45.50
40-70	1502.78	N.A.	40.90
60-80	681.74	N.A.	18.60
70-80	279.95	N.A.	7.60
80-90	167.27	N.A.	4.60
90-110	147.57	N.A.	4.00
90-120	176.15	N.A.	4.80
90-130	187.44	N.A.	5.10
90-150	189.73	N.A.	5.20
90-180	189.73	N.A.	5.20
110-180	42.17	N.A.	1.10
0-180	3670.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	120.53
10-20	334.96
20-30	488.62
30-40	586.50
40-50	594.77
50-60	506.22
60-70	401.79
70-80	279.95
80-90	167.27
90-100	92.50
100-110	55.07
110-120	28.58
120-130	11.29
130-140	2.30
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

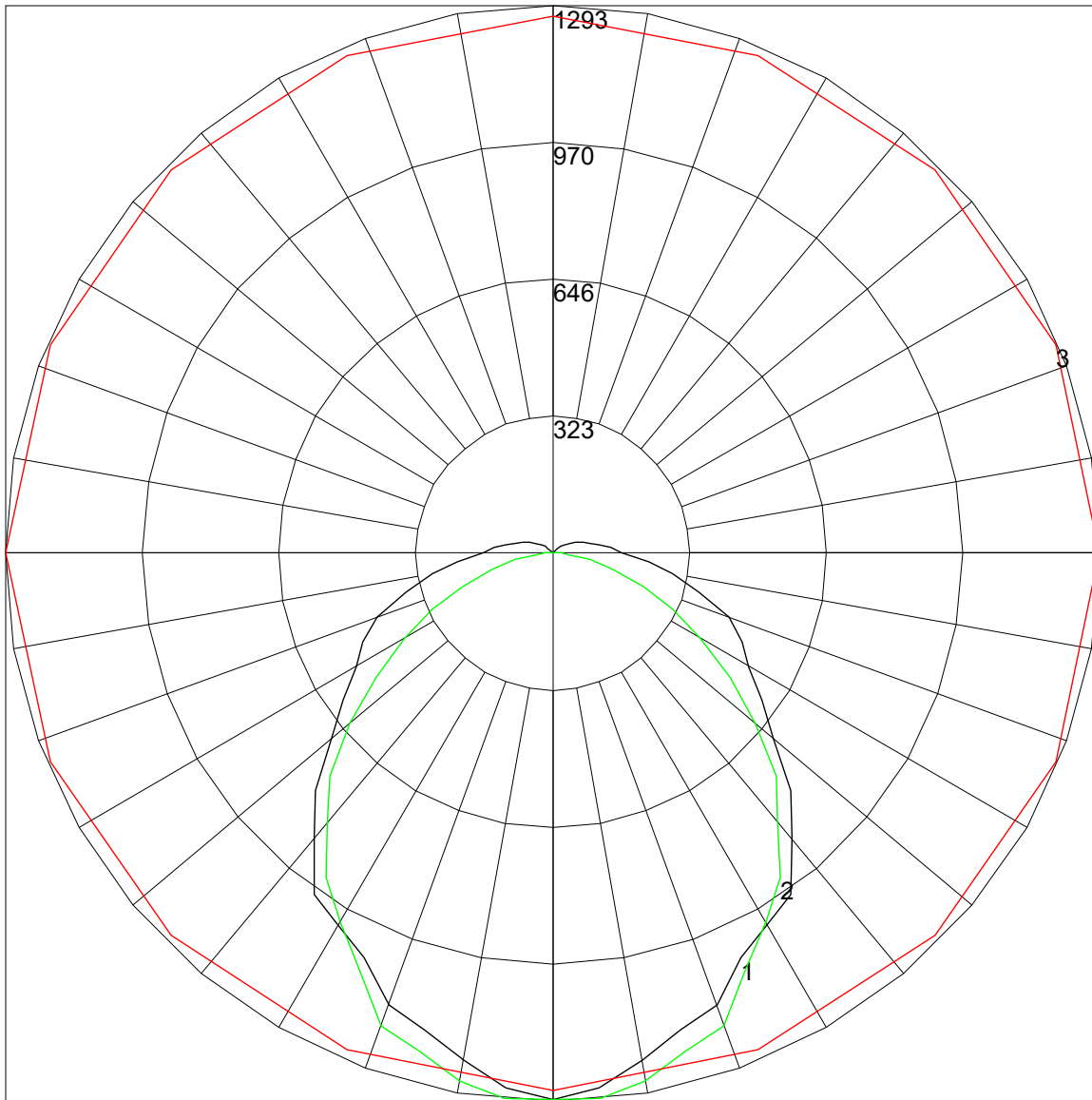
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	108	108	108	103	103	103	97	97	97	95
1	106	101	97	92	103	98	94	90	93	90	86	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	73	81	76	71	77	73	69	73	70	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	58	65	60	56	54
4	81	68	59	53	78	67	58	52	64	56	51	61	54	49	58	53	48	46
5	74	61	52	45	72	60	51	45	57	50	44	54	48	43	52	47	42	40
6	69	55	46	40	66	54	45	39	52	44	39	49	43	38	47	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	38	34	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	23

POLAR GRAPH



Maximum Candela = 1292.776 Located At Horizontal Angle = 0, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Vertical Plane Through Horizontal Angles (0 - 180)

3 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)