



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DVLF48HFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]BALLABS TEST NO. 18122.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUE DATE] 05-MAY-2014
[MANUFAC] LAMAR LED
[LUMINAIRE] 4- (56LED) 22"BOARDS 4' ENCLOSED/GASKETED LUMINAIRE
[MORE] FLAT WHITE REFLECTOR w/DIRA FROST ACRYLIC RIBBED DROP LENS
[MORE] 1 PHILIPS LED DRIVER XI075C200V054BST1
[LUMCAT] DVLF48HFA30
[LAMPCAT] M10CC830D56N2S

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8100
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	69.3
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	10410	9099	8588
55	8644	7196	7247
65	6989	6146	6912
75	5087	5202	6197
85	3271	4735	5410

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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	2843.027	2843.027	2843.027	2843.027	2843.027
5	2852.834	2839.349	2817.281	2801.344	2796.440
10	2791.536	2757.209	2706.944	2687.328	2679.973
15	2686.102	2634.612	2590.477	2574.539	2572.087
20	2618.674	2537.760	2503.433	2503.433	2502.207
25	2386.966	2307.277	2301.148	2309.729	2323.215
30	2217.782	2144.223	2166.291	2210.426	2236.171
35	2063.309	2020.400	2078.021	2147.901	2167.517
40	1829.149	1821.793	1912.515	1949.294	1937.034
45	1646.479	1678.354	1759.268	1751.913	1751.913
50	1379.217	1444.194	1476.069	1484.651	1505.492
55	1129.119	1216.163	1233.327	1297.077	1331.404
60	887.603	973.421	1026.138	1138.927	1180.610
65	692.674	767.458	886.377	1037.171	1091.114
70	503.874	577.432	742.938	917.026	977.099
75	328.560	411.926	586.014	740.486	788.299
80	196.155	296.685	470.773	601.952	636.279
85	91.948	205.963	367.791	478.129	501.422
90	41.683	127.501	261.132	344.498	359.209
95	0.000	84.592	214.545	288.103	304.041
100	0.000	57.621	169.184	229.257	247.646
105	0.000	36.779	129.953	186.348	199.833
110	0.000	19.616	94.400	152.020	166.732
115	0.000	0.000	62.525	114.015	129.953
120	0.000	0.000	41.683	87.044	104.208
125	0.000	0.000	0.000	58.847	74.784
130	0.000	0.000	0.000	40.457	53.943
135	0.000	0.000	0.000	0.000	34.327
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	1005.16	N.A.	12.40
0-30	2083.41	N.A.	25.70
0-40	3377.68	N.A.	41.70
0-60	5807.28	N.A.	71.70
0-80	7311.71	N.A.	90.30
0-90	7680.83	N.A.	94.80
10-90	7414.85	N.A.	91.50
20-40	2372.52	N.A.	29.30
20-50	3685.03	N.A.	45.50
40-70	3316.26	N.A.	40.90
60-80	1504.42	N.A.	18.60
70-80	617.77	N.A.	7.60
80-90	369.13	N.A.	4.60
90-110	325.65	N.A.	4.00
90-120	388.72	N.A.	4.80
90-130	413.63	N.A.	5.10
90-150	418.70	N.A.	5.20
90-180	418.70	N.A.	5.20
110-180	93.05	N.A.	1.10
0-180	8099.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	265.98
10-20	739.18
20-30	1078.26
30-40	1294.26
40-50	1312.51
50-60	1117.1
60-70	886.65
70-80	617.77
80-90	369.13
90-100	204.12
100-110	121.53
110-120	63.07
120-130	24.91
130-140	5.07
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

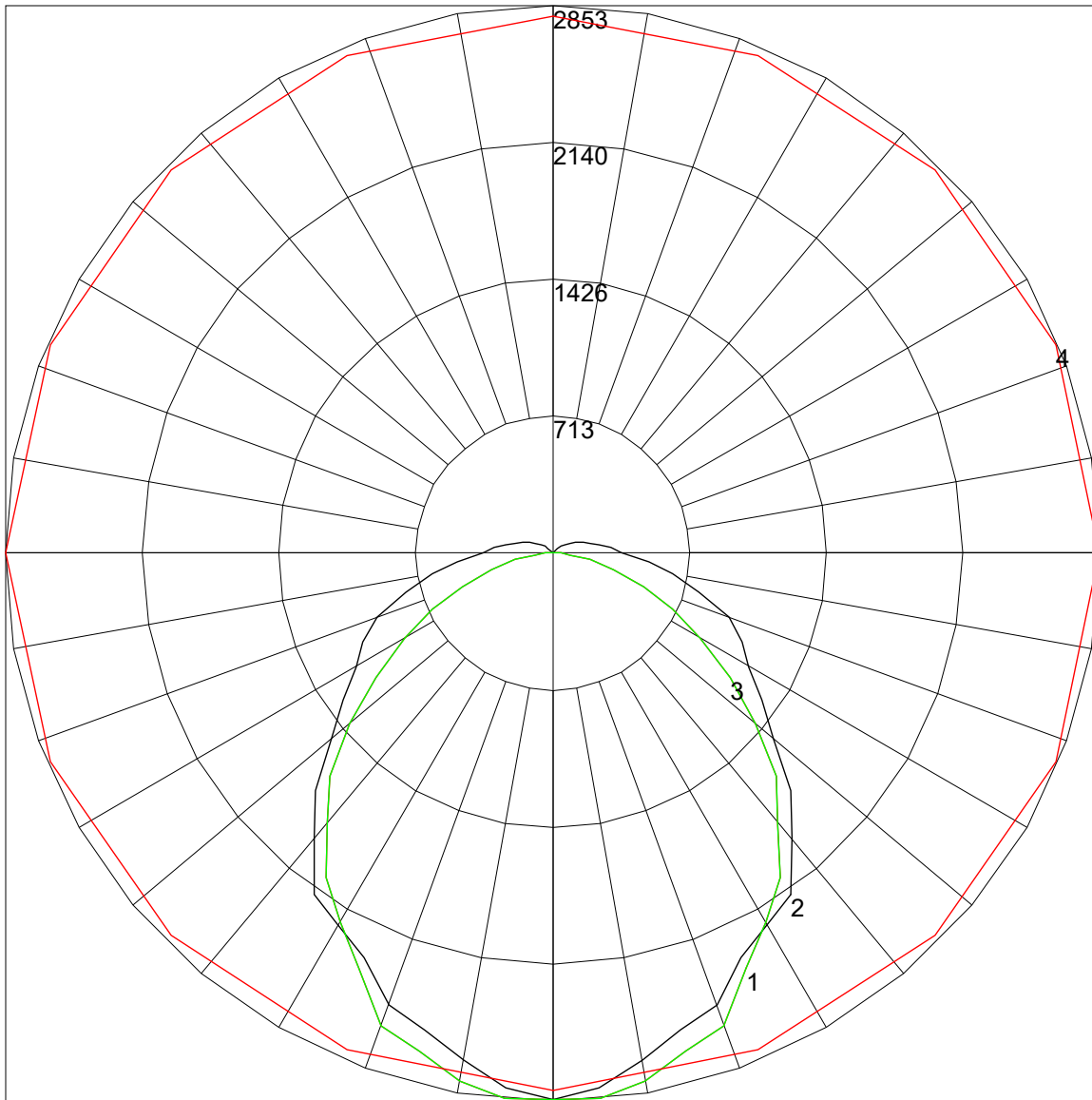
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2852.834 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)