



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DVLFN48HSFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]BALLABS TEST NO. 18122.0P3

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 11-JULY-2019

[MANUFAC] LAMAR LED

[LUMINAIRE] 2- (56LED) 22" BOARDS, 4' ENCLOSED/GASKETED LUMINAIRE

[MORE] FLAT WHITE REFLECTOR w/FROST ACRYLIC DROP LENS

[MORE] 1 UNIVERSAL EVERLINE LED DRIVER #D15CC55UNVT-C

[LUMCAT] DVLFN48HSFA30

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5812
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	54.2
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)	0.25 ft
Luminous Height	0.19 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16193	11560	10270
55	13447	8656	8128
65	10871	6900	7176
75	7913	5302	5811
85	5089	4122	4354

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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	2039.919	2039.919	2039.919	2039.919	2039.919
5	2046.956	2037.280	2021.446	2010.011	2006.492
10	2002.973	1978.343	1942.277	1928.203	1922.925
15	1927.323	1890.378	1858.710	1847.275	1845.515
20	1878.942	1820.885	1796.255	1796.255	1795.375
25	1712.687	1655.510	1651.112	1657.269	1666.945
30	1591.295	1538.516	1554.350	1586.017	1604.490
35	1480.459	1449.671	1491.015	1541.155	1555.229
40	1312.445	1307.167	1372.261	1398.651	1389.854
45	1181.376	1204.247	1262.304	1257.026	1257.026
50	989.611	1036.233	1059.104	1065.262	1080.216
55	810.162	872.617	884.933	930.675	955.305
60	636.870	698.446	736.271	817.199	847.107
65	497.005	550.664	635.990	744.188	782.893
70	361.538	414.317	533.071	657.982	701.085
75	235.747	295.564	420.475	531.311	565.618
80	140.745	212.876	337.787	431.910	456.541
85	65.974	147.782	263.896	343.065	359.779
90	29.908	91.484	187.366	247.183	257.739
95	0.000	60.696	153.940	206.719	218.154
100	0.000	41.344	121.392	164.495	177.690
105	0.000	26.390	93.243	133.707	143.384
110	0.000	14.074	67.733	109.077	119.633
115	0.000	0.000	44.862	81.808	93.243
120	0.000	0.000	29.908	62.455	74.771
125	0.000	0.000	0.000	42.223	53.659
130	0.000	0.000	0.000	29.029	38.705
135	0.000	0.000	0.000	0.000	24.630
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	721.22	N.A.	12.40
0-30	1494.88	N.A.	25.70
0-40	2423.54	N.A.	41.70
0-60	4166.82	N.A.	71.70
0-80	5246.27	N.A.	90.30
0-90	5511.13	N.A.	94.80
10-90	5320.28	N.A.	91.50
20-40	1702.32	N.A.	29.30
20-50	2644.07	N.A.	45.50
40-70	2379.47	N.A.	40.90
60-80	1079.45	N.A.	18.60
70-80	443.26	N.A.	7.60
80-90	264.85	N.A.	4.60
90-110	233.66	N.A.	4.00
90-120	278.91	N.A.	4.80
90-130	296.78	N.A.	5.10
90-150	300.42	N.A.	5.20
90-180	300.42	N.A.	5.20
110-180	66.76	N.A.	1.10
0-180	5811.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.84
10-20	530.37
20-30	773.67
30-40	928.66
40-50	941.75
50-60	801.53
60-70	636.19
70-80	443.26
80-90	264.85
90-100	146.46
100-110	87.20
110-120	45.26
120-130	17.87
130-140	3.64
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

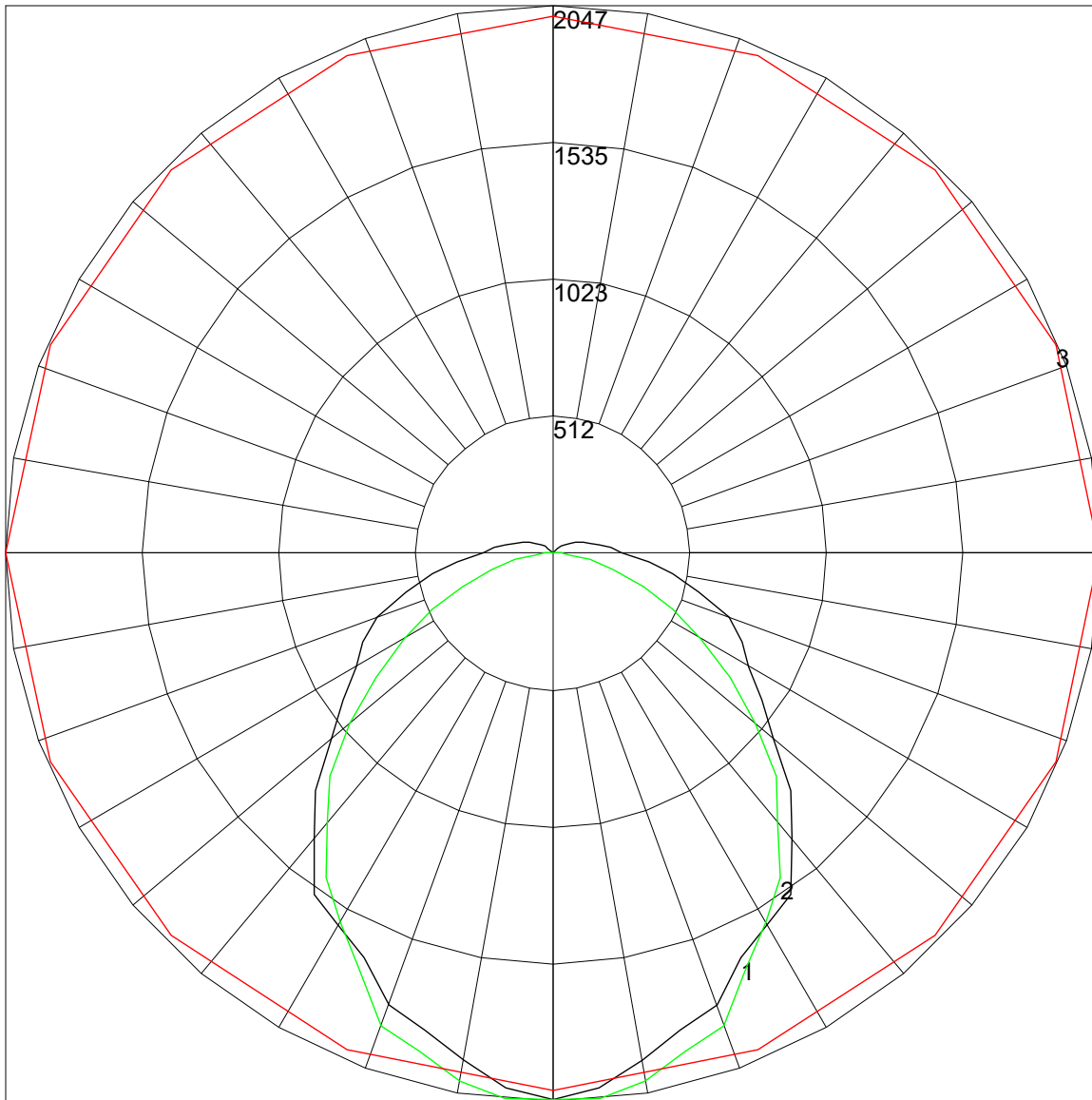
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2046.956 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.)