



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44L48XLFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]N0654
 [TESTLAB]NATL-LABS
 [ISSUEDATE]02/14/16
 [MANUFAC]LAMAR LIGHTING CO., INC.
 [LUMCAT]44L48.X.LFA30
 [LUMINAIRE]4' X4" SERIES LUMINAIRE WITH FROSTED ACRYLIC LENS
 [LAMPCAT]2-3000K LED MODULES
 [LAMP](2) EVERLINE 3000K LED MODULES
 [BALLASTCAT]D10CC30UNVTZ-C
 [OTHER]INPUT WATTS: 23.79 AMPS: 0.1982VAC: 120.00, TEMP: 25.3 C ,
 [MORE]POWER FACTOR: 0.9996, THDI: 5.49%, HRS OPERATED PRIOR TO
 [SEARCH_SOURCETYPE]LED
 [SEARCH_APPLICATION]INDOOR,ARCHITECTURAL,LINER,DIRECT
 [SEARCH_MOUNTING]RECESSED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2635
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	23.79
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	0.32 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7887	7607	7204
55	7063	6651	6163
65	6143	5728	5221
75	5196	4899	4581
85	4409	4472	4283

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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>
0.0	1108.253	1108.253	1108.253	1108.253	1108.253
2.5	1098.982	1102.690	1107.017	1110.108	1116.289
5.0	1094.655	1097.746	1102.072	1105.163	1110.726
7.5	1086.620	1089.710	1092.801	1095.891	1101.454
10.0	1074.876	1077.966	1081.057	1083.529	1088.474
12.5	1059.423	1062.514	1064.986	1066.222	1070.549
15.0	1042.735	1044.589	1045.825	1046.443	1049.534
17.5	1021.101	1024.192	1022.955	1022.337	1024.810
20.0	996.995	998.231	997.613	995.141	996.995
22.5	969.181	970.417	968.563	964.236	965.472
25.0	940.130	939.512	935.803	930.859	930.240
27.5	906.753	907.371	901.190	894.391	892.536
30.0	871.521	871.521	863.486	854.832	851.124
32.5	837.525	835.053	824.545	813.420	807.857
35.0	796.113	796.113	781.278	769.534	762.735
37.5	756.554	754.700	738.011	724.413	716.378
40.0	714.524	711.433	694.744	677.438	668.784
42.5	671.875	667.548	651.477	629.844	620.572
45.0	627.990	623.663	605.738	583.486	573.597
47.5	584.104	579.160	561.235	537.747	527.239
50.0	539.601	534.656	516.113	492.008	483.354
52.5	498.189	490.771	472.228	448.741	440.087
55.0	456.158	447.504	429.579	406.092	398.056
57.5	412.891	406.092	388.167	365.915	357.880
60.0	371.478	364.061	348.608	327.593	319.558
62.5	331.302	324.502	309.668	289.889	283.090
65.0	292.361	285.562	272.582	255.893	248.476
67.5	254.039	249.094	237.968	223.134	218.189
70.0	217.571	213.863	203.973	191.611	187.902
72.5	184.194	181.103	172.450	162.560	159.470
75.0	151.434	148.962	142.781	135.364	133.510
77.5	119.911	119.293	114.967	109.404	108.167
80.0	91.479	91.479	89.624	85.298	84.680
82.5	66.137	66.755	65.519	63.046	62.428
85.0	43.267	43.885	43.885	42.649	42.031
87.5	22.870	23.488	23.488	23.488	23.488
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	399.00	N.A.	15.10
0-30	829.21	N.A.	31.50
0-40	1317.48	N.A.	50.00
0-60	2166.06	N.A.	82.20
0-80	2587.24	N.A.	98.20
0-90	2635.1	N.A.	100.00
10-90	2530.59	N.A.	96.00
20-40	918.48	N.A.	34.90
20-50	1384.02	N.A.	52.50
40-70	1118.22	N.A.	42.40
60-80	421.18	N.A.	16.00
70-80	151.54	N.A.	5.80
80-90	47.86	N.A.	1.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2635.1	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.51
10-20	294.49
20-30	430.21
30-40	488.27
40-50	465.54
50-60	383.04
60-70	269.65
70-80	151.54
80-90	47.86
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

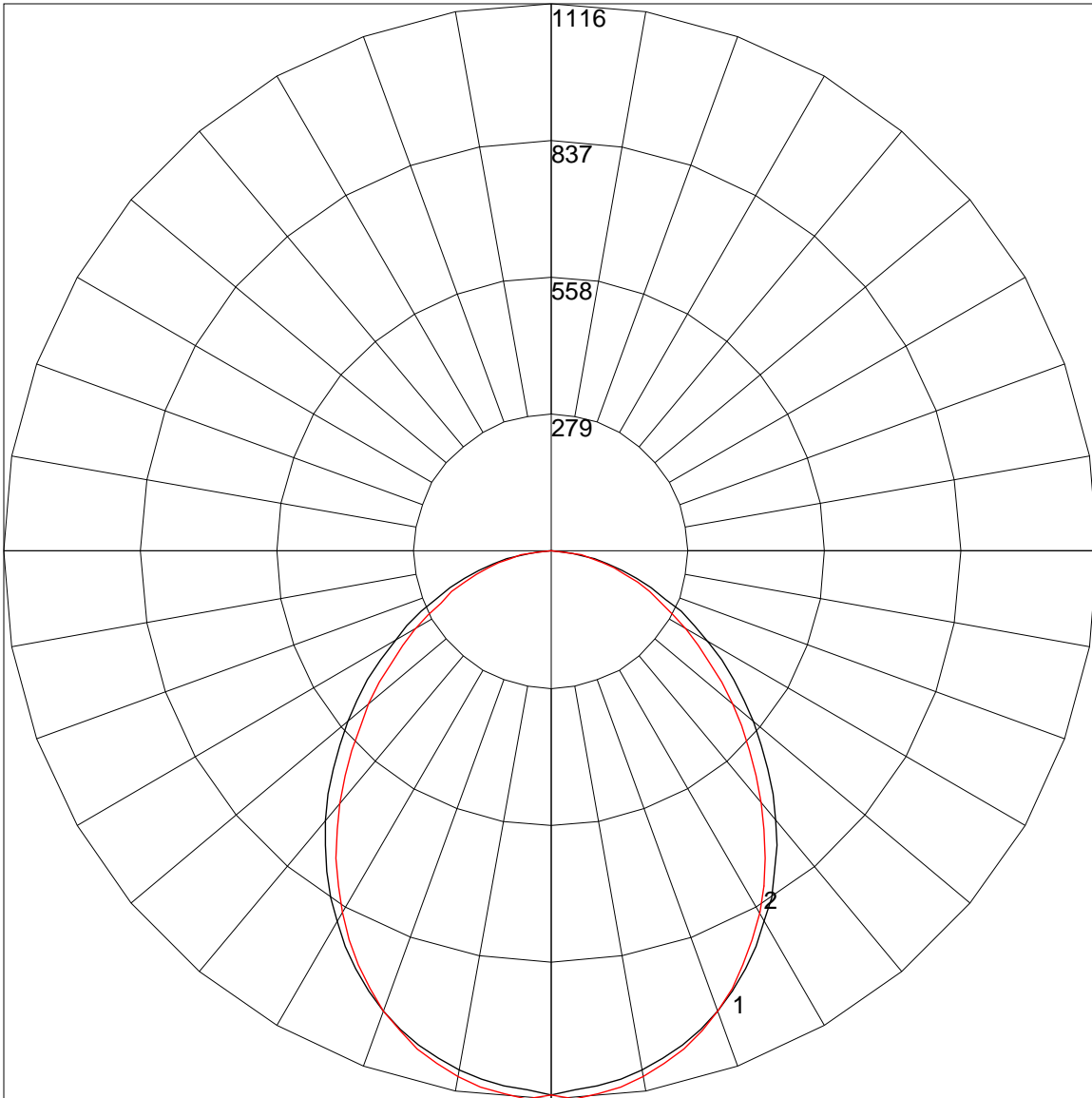
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	81	74	67	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	58	82	71	63	57	69	62	57	67	61	56	64	59	55	53
5	78	65	57	50	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 1116.289 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)