



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-25L-50.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]07/11/17
[TEST]DATE]04/28/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-25L-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCE]TYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2694
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	20.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2091	2340	2543
55	1940	2328	2641
65	1800	2369	2718
75	1650	2357	2288
85	1524	2141	2388

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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	850.382	850.382	850.382	850.382	850.382
2.5	871.742	858.392	851.717	843.707	839.702
5.0	869.072	857.057	851.717	843.707	837.032
7.5	865.067	854.387	849.047	842.372	838.367
10.0	865.067	851.717	847.712	842.372	837.032
12.5	855.722	843.707	842.372	838.367	834.363
15.0	846.377	835.697	837.032	837.032	831.693
17.5	835.697	826.353	827.688	830.358	827.688
20.0	818.343	811.668	815.673	821.013	819.678
22.5	800.988	796.983	803.658	813.003	811.668
25.0	783.633	779.628	791.643	802.323	802.323
27.5	759.604	759.604	775.623	790.308	792.978
30.0	734.239	739.579	758.269	776.958	780.963
32.5	706.204	712.879	738.244	760.939	764.944
35.0	679.505	688.850	718.219	746.254	751.594
37.5	647.465	659.480	694.190	726.229	732.904
40.0	618.096	631.446	671.495	706.204	714.214
42.5	582.051	598.071	643.460	680.840	691.520
45.0	550.012	566.032	615.426	658.145	668.825
47.5	515.302	536.662	588.726	635.450	647.465
50.0	480.593	503.287	558.022	607.416	618.096
52.5	447.218	471.248	529.987	578.046	592.731
55.0	413.844	437.873	496.613	548.677	563.362
57.5	380.469	407.169	468.578	519.307	533.992
60.0	348.430	375.129	435.203	485.933	501.952
62.5	313.720	340.420	403.164	452.558	464.573
65.0	283.016	308.380	372.459	419.184	427.194
67.5	248.306	273.671	337.750	373.794	377.799
70.0	216.267	245.636	303.040	327.070	323.065
72.5	188.232	217.602	266.996	279.011	272.336
75.0	158.863	188.232	226.947	225.612	220.272
77.5	130.828	161.533	185.562	180.222	172.212
80.0	101.458	128.158	141.508	136.168	133.498
82.5	73.424	97.454	104.128	102.793	102.793
85.0	49.394	65.414	69.419	73.424	77.429
87.5	25.365	33.375	33.375	36.044	37.379
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	317.49	N.A.	11.80
0-30	682.31	N.A.	25.30
0-40	1130.4	N.A.	42.00
0-60	2044.94	N.A.	75.90
0-80	2622.19	N.A.	97.30
0-90	2694.31	N.A.	100.00
10-90	2613.17	N.A.	97.00
20-40	812.91	N.A.	30.20
20-50	1285.93	N.A.	47.70
40-70	1271.73	N.A.	47.20
60-80	577.25	N.A.	21.40
70-80	220.07	N.A.	8.20
80-90	72.11	N.A.	2.70
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	2694.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.14
10-20	236.35
20-30	364.82
30-40	448.09
40-50	473.02
50-60	441.52
60-70	357.19
70-80	220.07
80-90	72.11
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

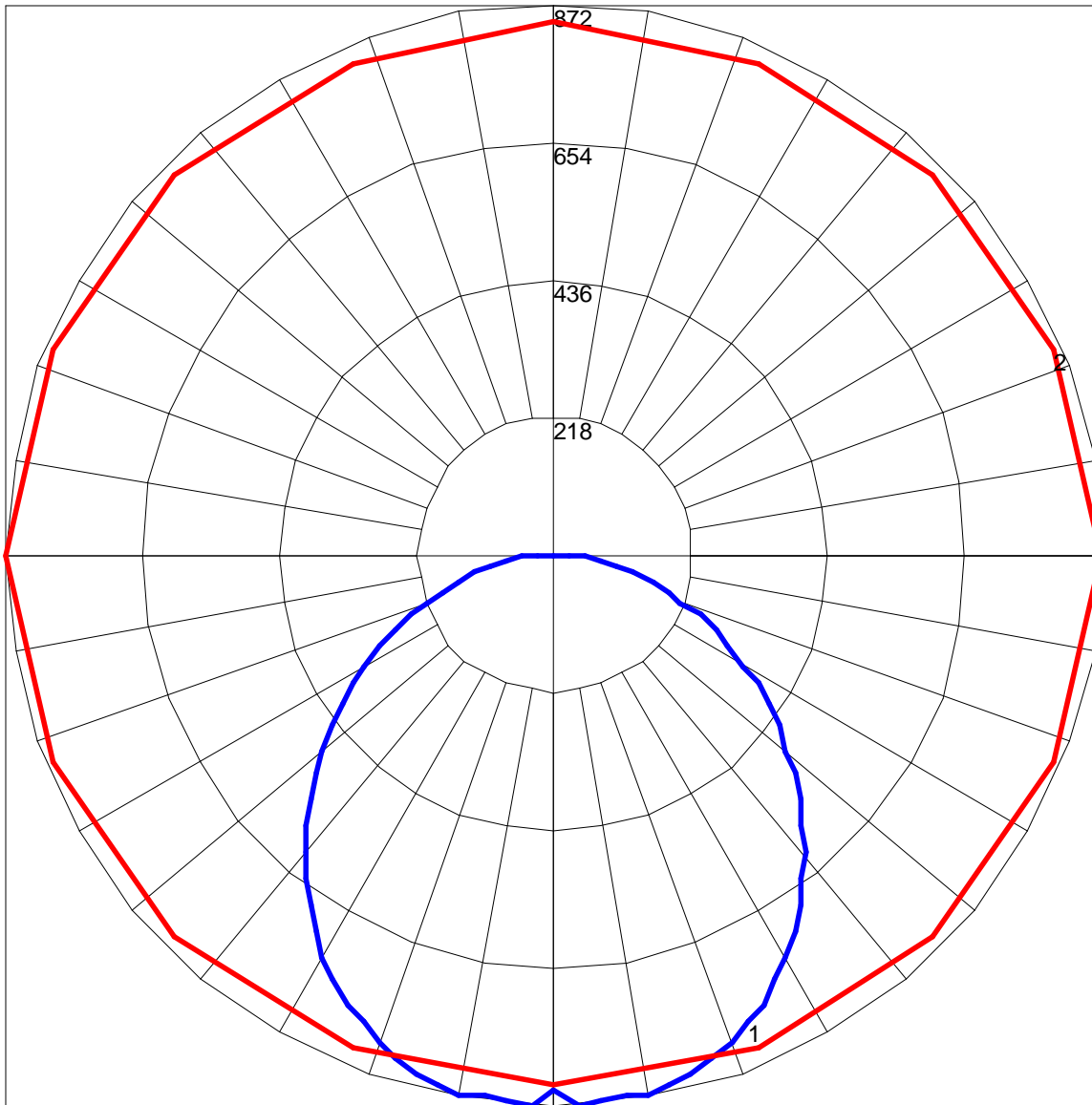
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	63	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	34	31
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	42	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

POLAR GRAPH



Maximum Candela = 871.742 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)