



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-25L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8850_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE]DATE]08/18/17
[TEST]DATE]08/18/17
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]LPASC14-LED-25L-30
[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	2435
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	1890	2115	2298
55	1753	2104	2387
65	1627	2142	2456
75	1492	2131	2068
85	1377	1935	2159

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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	768.630	768.630	768.630	768.630	768.630
2.5	787.936	775.870	769.836	762.596	758.977
5.0	785.523	774.663	769.836	762.596	756.563
7.5	781.903	772.250	767.423	761.390	757.770
10.0	781.903	769.836	766.216	761.390	756.563
12.5	773.456	762.596	761.390	757.770	754.150
15.0	765.010	755.357	756.563	756.563	751.737
17.5	755.357	746.910	748.117	750.530	748.117
20.0	739.670	733.637	737.257	742.084	740.877
22.5	723.984	720.364	726.397	734.844	733.637
25.0	708.298	704.678	715.538	725.191	725.191
27.5	686.578	686.578	701.058	714.331	716.744
30.0	663.652	668.479	685.372	702.264	705.884
32.5	638.313	644.346	667.272	687.785	691.405
35.0	614.180	622.626	649.172	674.512	679.338
37.5	585.220	596.080	627.453	656.412	662.445
40.0	558.674	570.741	606.940	638.313	645.552
42.5	526.095	540.575	581.600	615.386	625.040
45.0	497.136	511.615	556.261	594.874	604.527
47.5	465.763	485.069	532.128	574.361	585.220
50.0	434.390	454.903	504.376	549.021	558.674
52.5	404.224	425.944	479.036	522.475	535.748
55.0	374.058	395.778	448.870	495.929	509.202
57.5	343.892	368.025	423.531	469.383	482.656
60.0	314.933	339.066	393.365	439.217	453.697
62.5	283.560	307.693	364.405	409.051	419.911
65.0	255.808	278.734	336.653	378.885	386.125
67.5	224.435	247.361	305.280	337.859	341.479
70.0	195.476	222.022	273.907	295.627	292.007
72.5	170.136	196.682	241.328	252.188	246.155
75.0	143.590	170.136	205.129	203.922	199.096
77.5	118.251	146.003	167.723	162.896	155.657
80.0	91.705	115.837	127.904	123.077	120.664
82.5	66.365	88.085	94.118	92.911	92.911
85.0	44.646	59.125	62.745	66.365	69.985
87.5	22.926	30.166	30.166	32.579	33.786
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	286.97	N.A.	11.80
0-30	616.71	N.A.	25.30
0-40	1021.72	N.A.	42.00
0-60	1848.35	N.A.	75.90
0-80	2370.11	N.A.	97.30
0-90	2435.29	N.A.	100.00
10-90	2361.95	N.A.	97.00
20-40	734.76	N.A.	30.20
20-50	1162.31	N.A.	47.70
40-70	1149.47	N.A.	47.20
60-80	521.76	N.A.	21.40
70-80	198.91	N.A.	8.20
80-90	65.18	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	2435.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.34
10-20	213.63
20-30	329.74
30-40	405.01
40-50	427.55
50-60	399.08
60-70	322.85
70-80	198.91
80-90	65.18
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

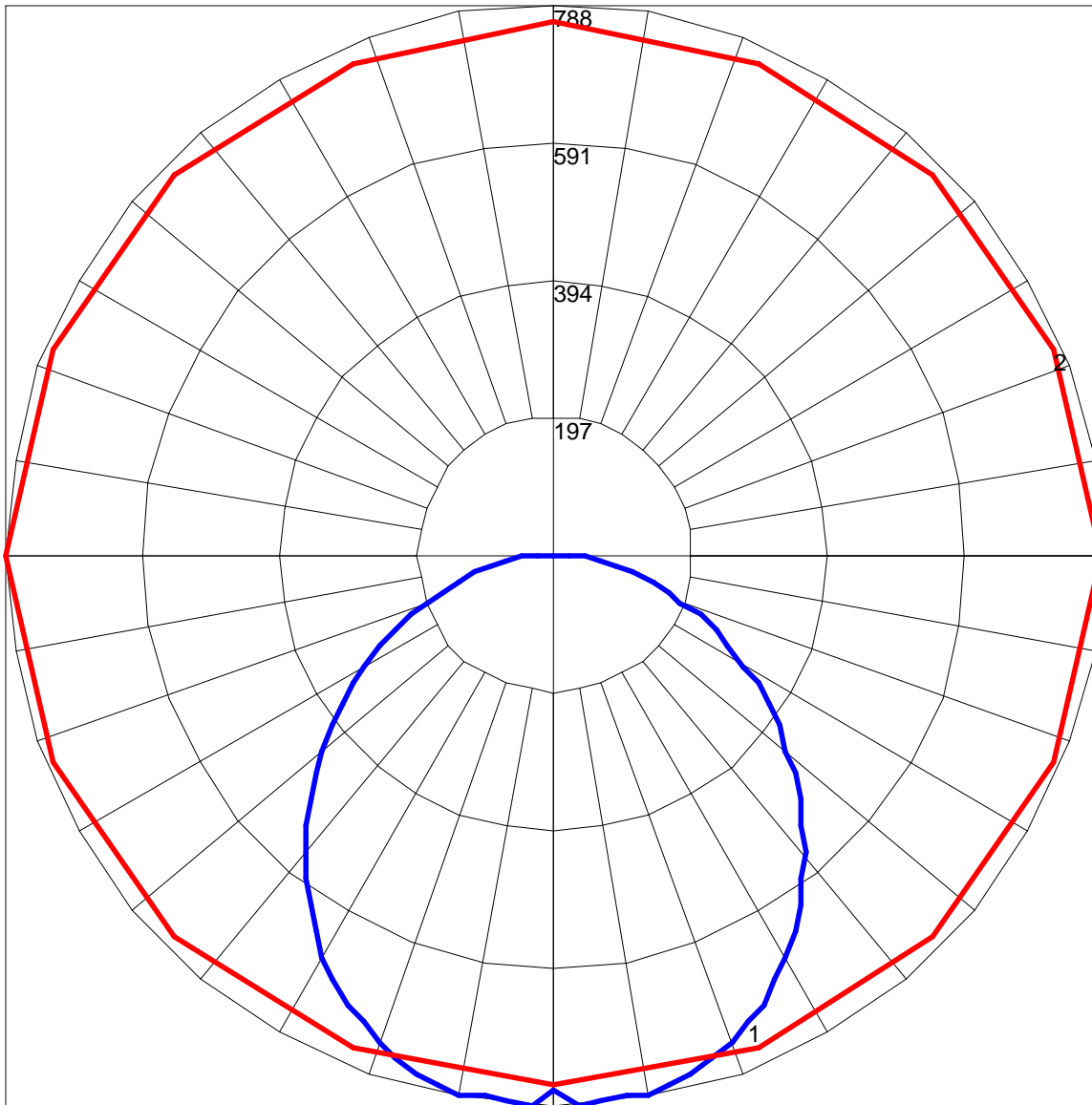
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 787.936 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.)