



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPASC14-LED-80L-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-80L-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	7511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	63.4
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	5829	6523	7089
55	5407	6489	7361
65	5019	6605	7576
75	4600	6572	6378
85	4247	5969	6658

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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	2370.583	2370.583	2370.583	2370.583	2370.583
2.5	2430.126	2392.912	2374.304	2351.975	2340.811
5.0	2422.683	2389.190	2374.304	2351.975	2333.368
7.5	2411.519	2381.747	2366.861	2348.254	2337.089
10.0	2411.519	2374.304	2363.140	2348.254	2333.368
12.5	2385.469	2351.975	2348.254	2337.089	2325.925
15.0	2359.418	2329.646	2333.368	2333.368	2318.482
17.5	2329.646	2303.596	2307.318	2314.760	2307.318
20.0	2281.267	2262.660	2273.824	2288.710	2284.989
22.5	2232.888	2221.723	2240.331	2266.381	2262.660
25.0	2184.509	2173.344	2206.838	2236.609	2236.609
27.5	2117.522	2117.522	2162.180	2203.116	2210.559
30.0	2046.814	2061.700	2113.801	2165.901	2177.066
32.5	1968.663	1987.270	2057.978	2121.244	2132.408
35.0	1894.233	1920.284	2002.156	2080.307	2095.193
37.5	1804.918	1838.411	1935.170	2024.485	2043.092
40.0	1723.045	1760.260	1871.904	1968.663	1990.992
42.5	1622.565	1667.223	1793.753	1897.955	1927.727
45.0	1533.250	1577.907	1715.602	1834.690	1864.461
47.5	1436.491	1496.035	1641.173	1771.424	1804.918
50.0	1339.733	1402.998	1555.579	1693.273	1723.045
52.5	1246.696	1313.682	1477.428	1611.401	1652.337
55.0	1153.659	1220.645	1384.391	1529.528	1570.465
57.5	1060.622	1135.051	1306.239	1447.656	1488.592
60.0	971.306	1045.736	1213.202	1354.619	1399.276
62.5	874.548	948.977	1123.887	1261.582	1295.075
65.0	788.954	859.662	1038.293	1168.545	1190.874
67.5	692.195	762.903	941.534	1042.014	1053.179
70.0	602.880	684.752	844.776	911.763	900.598
72.5	524.729	606.601	744.296	777.789	759.182
75.0	442.856	524.729	632.652	628.930	614.044
77.5	364.705	450.299	517.286	502.400	480.071
80.0	282.832	357.262	394.477	379.591	372.148
82.5	204.681	271.668	290.275	286.554	286.554
85.0	137.695	182.353	193.517	204.681	215.846
87.5	70.708	93.037	93.037	100.480	104.201
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	885.05	N.A.	11.80
0-30	1902.04	N.A.	25.30
0-40	3151.17	N.A.	42.00
0-60	5700.62	N.A.	75.90
0-80	7309.81	N.A.	97.30
0-90	7510.83	N.A.	100.00
10-90	7284.64	N.A.	97.00
20-40	2266.11	N.A.	30.20
20-50	3584.74	N.A.	47.70
40-70	3545.17	N.A.	47.20
60-80	1609.19	N.A.	21.40
70-80	613.47	N.A.	8.20
80-90	201.03	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	7510.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	226.19
10-20	658.86
20-30	1016.99
30-40	1249.13
40-50	1318.63
50-60	1230.82
60-70	995.72
70-80	613.47
80-90	201.03
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

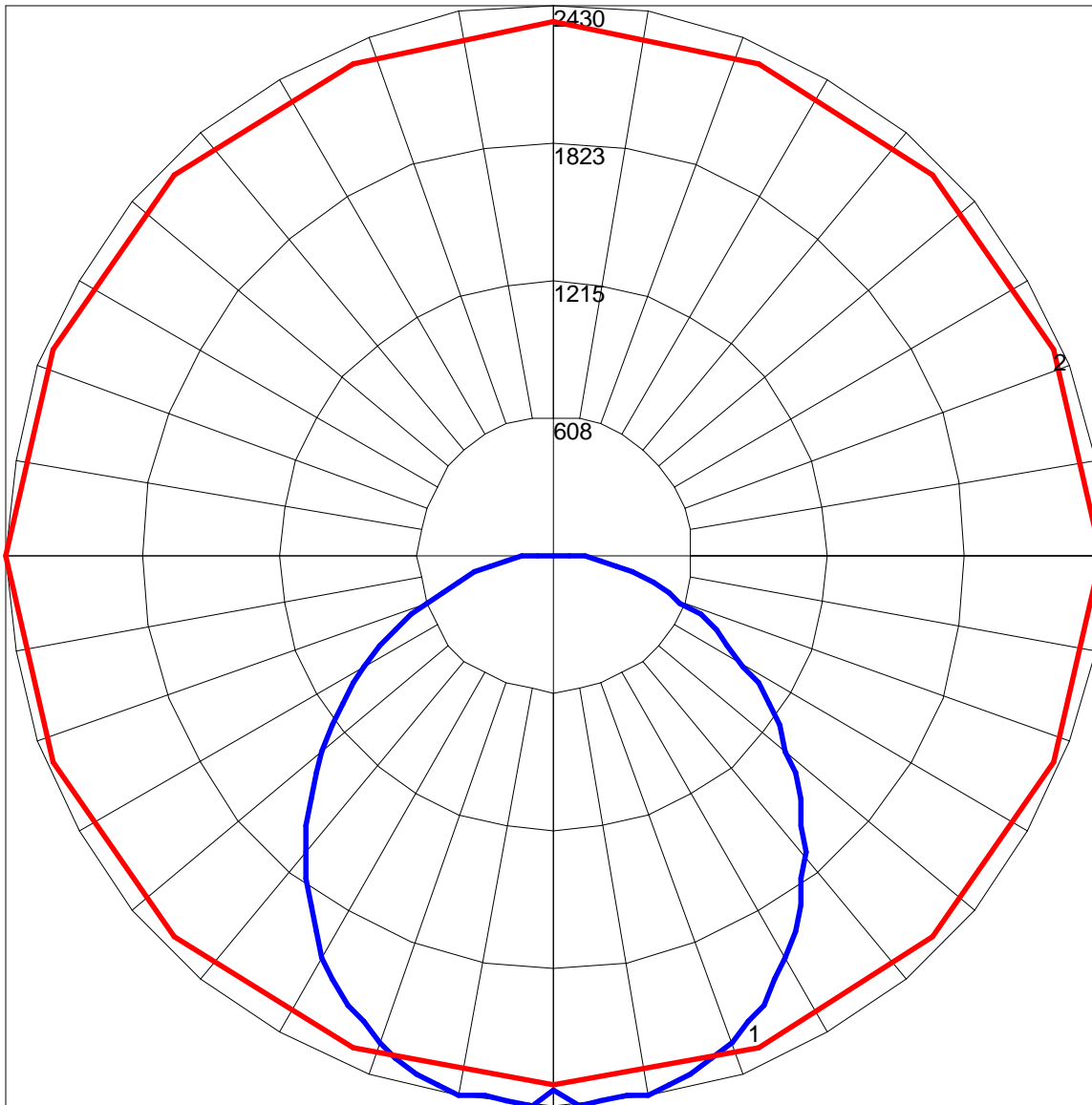
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2430.126 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.)