



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-80L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 08/18/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7717
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	63.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
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	5735	6767	7584
55	5391	6893	8130
65	5013	6981	8684
75	4544	6972	8421
85	3955	6281	5816

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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	2258.739	2258.739	2258.739	2258.739	2258.739
2.5	2303.989	2277.593	2262.510	2243.656	2232.343
5.0	2303.989	2277.593	2262.510	2247.427	2239.885
7.5	2296.448	2273.823	2262.510	2251.197	2239.885
10.0	2285.135	2262.510	2258.739	2251.197	2239.885
12.5	2262.510	2243.656	2243.656	2247.427	2239.885
15.0	2239.885	2224.801	2236.114	2243.656	2247.427
17.5	2209.718	2202.176	2221.031	2243.656	2243.656
20.0	2172.010	2172.010	2202.176	2239.885	2243.656
22.5	2130.530	2134.301	2179.551	2228.572	2232.343
25.0	2089.051	2096.593	2160.697	2217.260	2228.572
27.5	2028.717	2055.113	2126.759	2198.406	2221.031
30.0	1964.613	2002.321	2092.822	2179.551	2202.176
32.5	1900.508	1941.988	2055.113	2153.155	2187.093
35.0	1832.633	1881.654	2006.092	2122.989	2153.155
37.5	1753.445	1810.008	1957.071	2085.280	2122.989
40.0	1666.716	1738.362	1900.508	2043.801	2085.280
42.5	1591.299	1659.174	1843.946	1998.550	2047.572
45.0	1508.340	1583.757	1779.841	1945.759	1994.780
47.5	1417.840	1504.569	1708.195	1892.967	1941.988
50.0	1331.110	1421.610	1632.778	1825.091	1885.425
52.5	1240.610	1334.881	1553.590	1749.674	1810.008
55.0	1150.109	1244.380	1470.631	1670.487	1734.591
57.5	1063.380	1153.880	1383.902	1591.299	1655.403
60.0	976.650	1059.609	1293.402	1500.798	1564.903
62.5	882.379	965.338	1199.130	1406.527	1470.631
65.0	788.108	867.295	1097.317	1304.714	1365.048
67.5	697.607	773.024	991.734	1191.589	1244.380
70.0	607.107	674.982	886.150	1070.921	1108.630
72.5	524.148	584.482	784.337	942.712	969.108
75.0	437.419	493.981	671.211	803.191	810.733
77.5	354.460	407.252	558.086	644.815	644.815
80.0	271.501	320.522	441.189	493.981	486.440
82.5	203.626	233.793	324.293	343.147	328.064
85.0	128.209	154.605	203.626	196.084	188.542
87.5	64.104	79.188	86.730	71.646	67.875
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	848.74	N.A.	11.00
0-30	1843.89	N.A.	23.90
0-40	3095.73	N.A.	40.10
0-60	5760.22	N.A.	74.60
0-80	7513.37	N.A.	97.40
0-90	7717.43	N.A.	100.00
10-90	7501.44	N.A.	97.20
20-40	2246.99	N.A.	29.10
20-50	3608.68	N.A.	46.80
40-70	3736.91	N.A.	48.40
60-80	1753.15	N.A.	22.70
70-80	680.72	N.A.	8.80
80-90	204.07	N.A.	2.60
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	7717.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	215.99
10-20	632.75
20-30	995.14
30-40	1251.85
40-50	1361.69
50-60	1302.79
60-70	1072.42
70-80	680.72
80-90	204.07
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

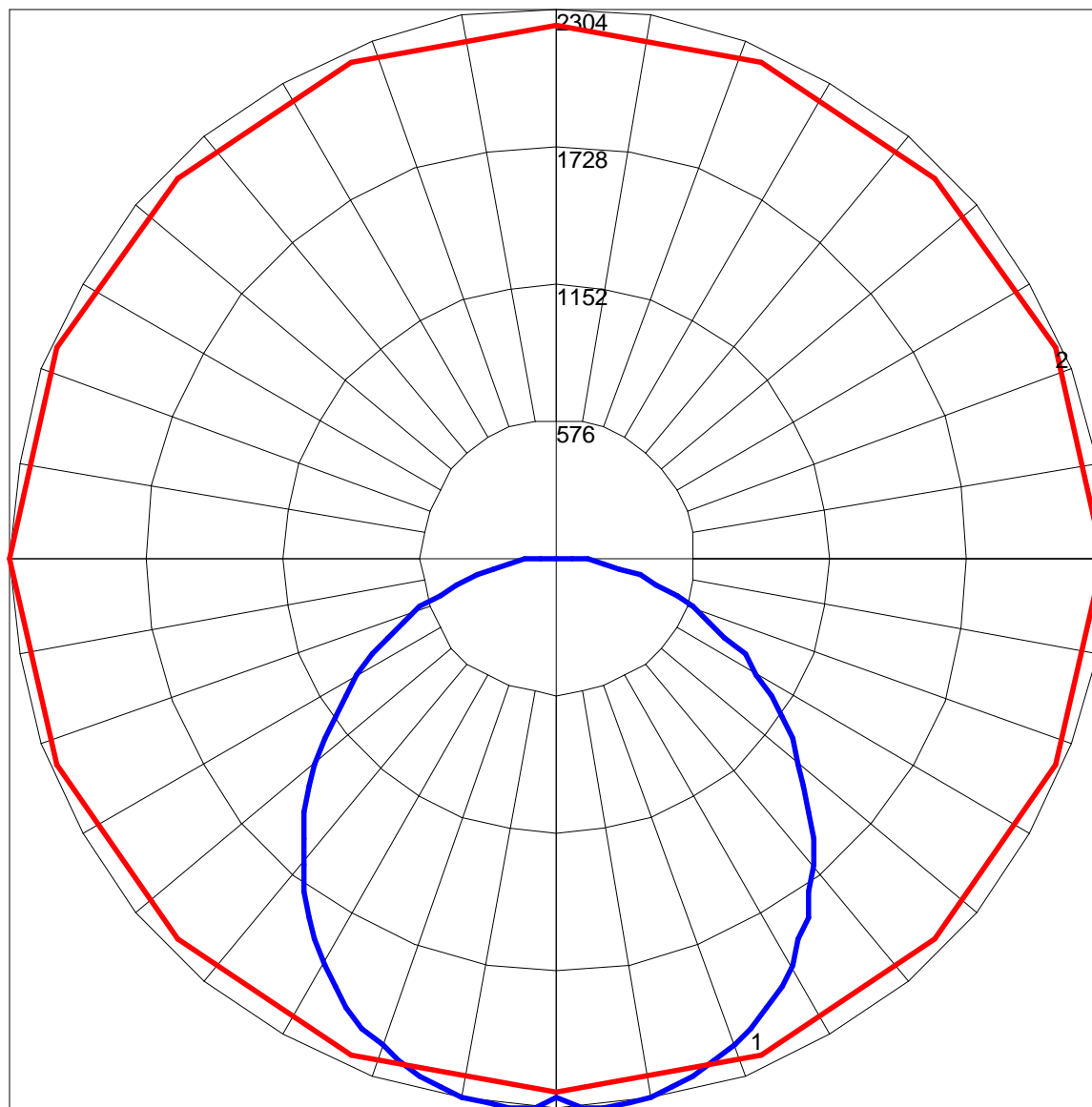
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 2303.989 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.)