



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-75L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-8975

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]06/01/17

[TEST DATE]06/01/17

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]LPEC22-LED-75L-40

[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[SEARCH SOURCE TYPE] LED

[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7574
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5441	6441	7380
55	5015	6534	8043
65	4504	6660	9001
75	3968	7001	10377
85	3362	6879	8082

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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	2252	2252	2252	2252	2252
2.5	2289	2276	2253	2234	2227
5.0	2286	2274	2253	2236	2229
7.5	2278	2268	2249	2236	2231
10.0	2264	2255	2242	2234	2231
12.5	2242	2238	2232	2230	2230
15.0	2216	2214	2218	2224	2226
17.5	2183	2187	2200	2215	2221
20.0	2145	2153	2178	2203	2213
22.5	2100	2114	2151	2188	2203
25.0	2049	2069	2120	2170	2190
27.5	1991	2018	2083	2147	2173
30.0	1927	1961	2042	2121	2153
32.5	1856	1895	1994	2090	2128
35.0	1780	1827	1942	2055	2099
37.5	1699	1752	1886	2015	2066
40.0	1610	1672	1826	1972	2028
42.5	1524	1590	1762	1924	1988
45.0	1431	1508	1694	1873	1941
47.5	1342	1423	1624	1818	1892
50.0	1252	1336	1552	1758	1840
52.5	1161	1248	1475	1695	1779
55.0	1070	1160	1394	1627	1716
57.5	980	1070	1310	1555	1649
60.0	887	974	1225	1479	1576
62.5	799	884	1136	1399	1498
65.0	708	794	1047	1313	1415
67.5	623	704	954	1224	1321
70.0	539	617	862	1128	1227
72.5	459	531	770	1028	1118
75.0	382	449	674	915	999
77.5	304	366	573	792	861
80.0	234	286	468	647	691
82.5	168	212	350	467	489
85.0	109	139	223	272	262
87.5	54	68	91	86	76
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	842.25	N.A.	11.10
0-30	1819.68	N.A.	24.00
0-40	3034.01	N.A.	40.10
0-60	5584.3	N.A.	73.70
0-80	7341.5	N.A.	96.90
0-90	7573.99	N.A.	100.00
10-90	7359.07	N.A.	97.20
20-40	2191.76	N.A.	28.90
20-50	3496.49	N.A.	46.20
40-70	3592.57	N.A.	47.40
60-80	1757.21	N.A.	23.20
70-80	714.93	N.A.	9.40
80-90	232.49	N.A.	3.10
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	7573.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.92
10-20	627.33
20-30	977.43
30-40	1214.33
40-50	1304.73
50-60	1245.56
60-70	1042.28
70-80	714.93
80-90	232.49
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

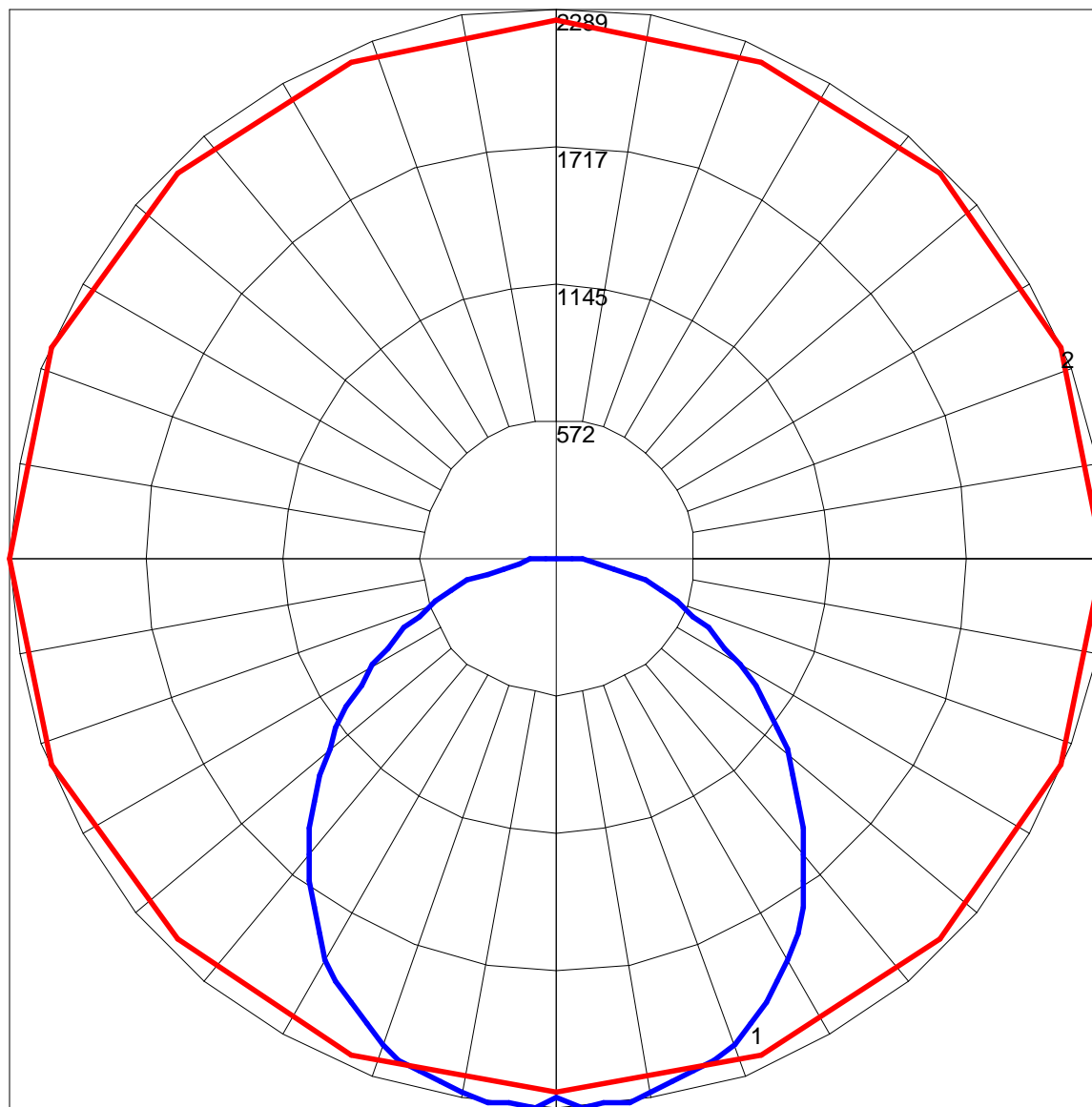
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	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 = 2289 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.)