



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-75L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8936
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/24/17
[TEST DATE] 05/24/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-75L-40
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7568
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	60.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
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	5589	6608	7414
55	5264	6759	8010
65	4924	6870	8550
75	4425	6939	8684
85	4041	6478	6015

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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	2196	2196	2196	2196	2196
2.5	2238	2213	2197	2182	2171
5.0	2238	2213	2198	2185	2172
7.5	2231	2209	2197	2185	2176
10.0	2219	2198	2192	2186	2180
12.5	2201	2185	2184	2187	2181
15.0	2179	2166	2174	2186	2185
17.5	2150	2142	2161	2182	2183
20.0	2115	2113	2144	2177	2182
22.5	2074	2079	2124	2169	2178
25.0	2025	2039	2101	2159	2173
27.5	1971	1993	2071	2143	2162
30.0	1913	1944	2039	2124	2148
32.5	1847	1888	2001	2100	2128
35.0	1778	1829	1957	2072	2103
37.5	1705	1764	1910	2037	2073
40.0	1630	1697	1858	1999	2039
42.5	1551	1625	1802	1954	1998
45.0	1470	1548	1738	1902	1950
47.5	1388	1471	1669	1847	1899
50.0	1299	1387	1598	1786	1842
52.5	1213	1299	1520	1720	1779
55.0	1123	1213	1442	1646	1709
57.5	1037	1126	1355	1566	1630
60.0	949	1036	1267	1481	1543
62.5	862	944	1176	1383	1444
65.0	774	853	1080	1285	1344
67.5	687	760	980	1181	1233
70.0	595	666	879	1067	1111
72.5	509	570	773	945	980
75.0	426	480	668	811	836
77.5	342	395	559	671	673
80.0	266	313	447	513	503
82.5	197	234	334	357	343
85.0	131	157	210	209	195
87.5	66	83	95	82	75
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	825.40	N.A.	10.90
0-30	1793.87	N.A.	23.70
0-40	3014.12	N.A.	39.80
0-60	5621.48	N.A.	74.30
0-80	7357.85	N.A.	97.20
0-90	7568.23	N.A.	100.00
10-90	7358.42	N.A.	97.20
20-40	2188.72	N.A.	28.90
20-50	3519.41	N.A.	46.50
40-70	3663.37	N.A.	48.40
60-80	1736.37	N.A.	22.90
70-80	680.36	N.A.	9.00
80-90	210.38	N.A.	2.80
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	7568.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.81
10-20	615.59
20-30	968.47
30-40	1220.26
40-50	1330.68
50-60	1276.67
60-70	1056.01
70-80	680.36
80-90	210.38
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

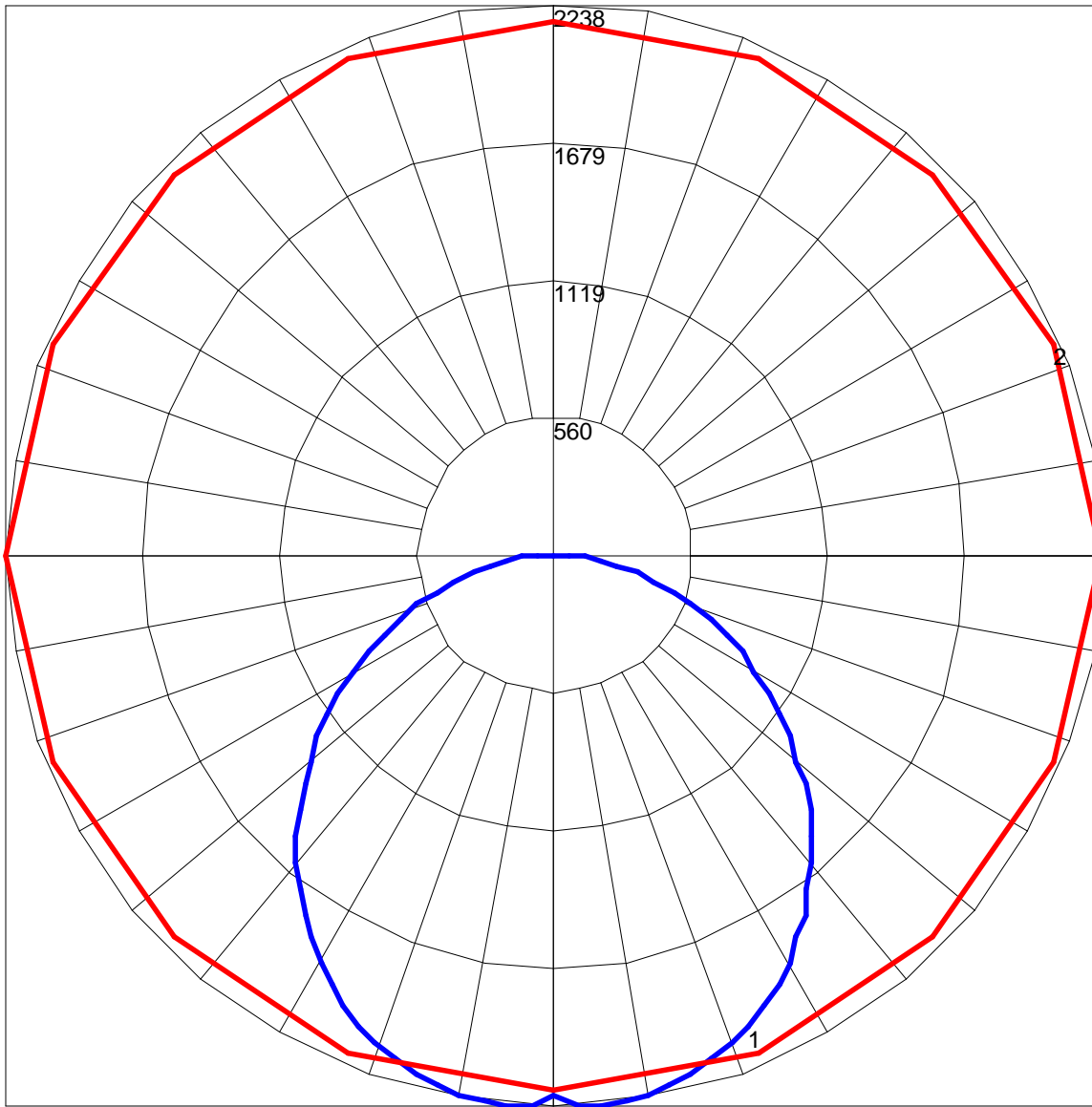
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	47
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	38	33	45	38	33	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	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	23	34	28	23	22

POLAR GRAPH



Maximum Candela = 2238 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.)