



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-65L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8902
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/16/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-65L-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	6522
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	49.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2321	2793	3179
55	2186	2889	3505
65	2012	3008	3963
75	1795	3254	4718
85	1559	3834	5252

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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	1822	1822	1822	1822	1822
2.5	1859	1838	1823	1808	1798
5.0	1858	1838	1824	1811	1800
7.5	1853	1833	1823	1812	1803
10.0	1842	1825	1819	1814	1806
12.5	1827	1813	1814	1814	1810
15.0	1807	1797	1806	1815	1813
17.5	1783	1777	1795	1813	1814
20.0	1752	1752	1781	1809	1814
22.5	1718	1725	1766	1804	1812
25.0	1678	1692	1746	1796	1808
27.5	1634	1655	1723	1784	1801
30.0	1584	1614	1697	1770	1791
32.5	1528	1567	1666	1753	1778
35.0	1471	1516	1631	1732	1761
37.5	1410	1460	1591	1708	1740
40.0	1342	1403	1550	1679	1716
42.5	1276	1343	1504	1646	1687
45.0	1208	1280	1454	1609	1655
47.5	1138	1215	1401	1567	1617
50.0	1068	1147	1345	1521	1575
52.5	996	1077	1284	1471	1530
55.0	923	1005	1220	1417	1480
57.5	848	931	1153	1360	1426
60.0	775	856	1082	1298	1366
62.5	698	779	1010	1231	1301
65.0	626	704	936	1159	1233
67.5	552	628	857	1084	1152
70.0	481	554	780	1006	1076
72.5	411	480	699	924	995
75.0	342	405	620	835	899
77.5	273	334	538	735	797
80.0	211	266	445	628	680
82.5	152	202	348	498	536
85.0	100	138	246	330	337
87.5	51	75	118	126	113
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	685.07	N.A.	10.50
0-30	1489.92	N.A.	22.80
0-40	2506.24	N.A.	38.40
0-60	4702.34	N.A.	72.10
0-80	6275.66	N.A.	96.20
0-90	6521.75	N.A.	100.00
10-90	6347.68	N.A.	97.30
20-40	1821.17	N.A.	27.90
20-50	2935.02	N.A.	45.00
40-70	3117.44	N.A.	47.80
60-80	1573.32	N.A.	24.10
70-80	651.98	N.A.	10.00
80-90	246.10	N.A.	3.80
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	6521.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	174.07
10-20	511.00
20-30	804.85
30-40	1016.32
40-50	1113.85
50-60	1082.24
60-70	921.35
70-80	651.98
80-90	246.10
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

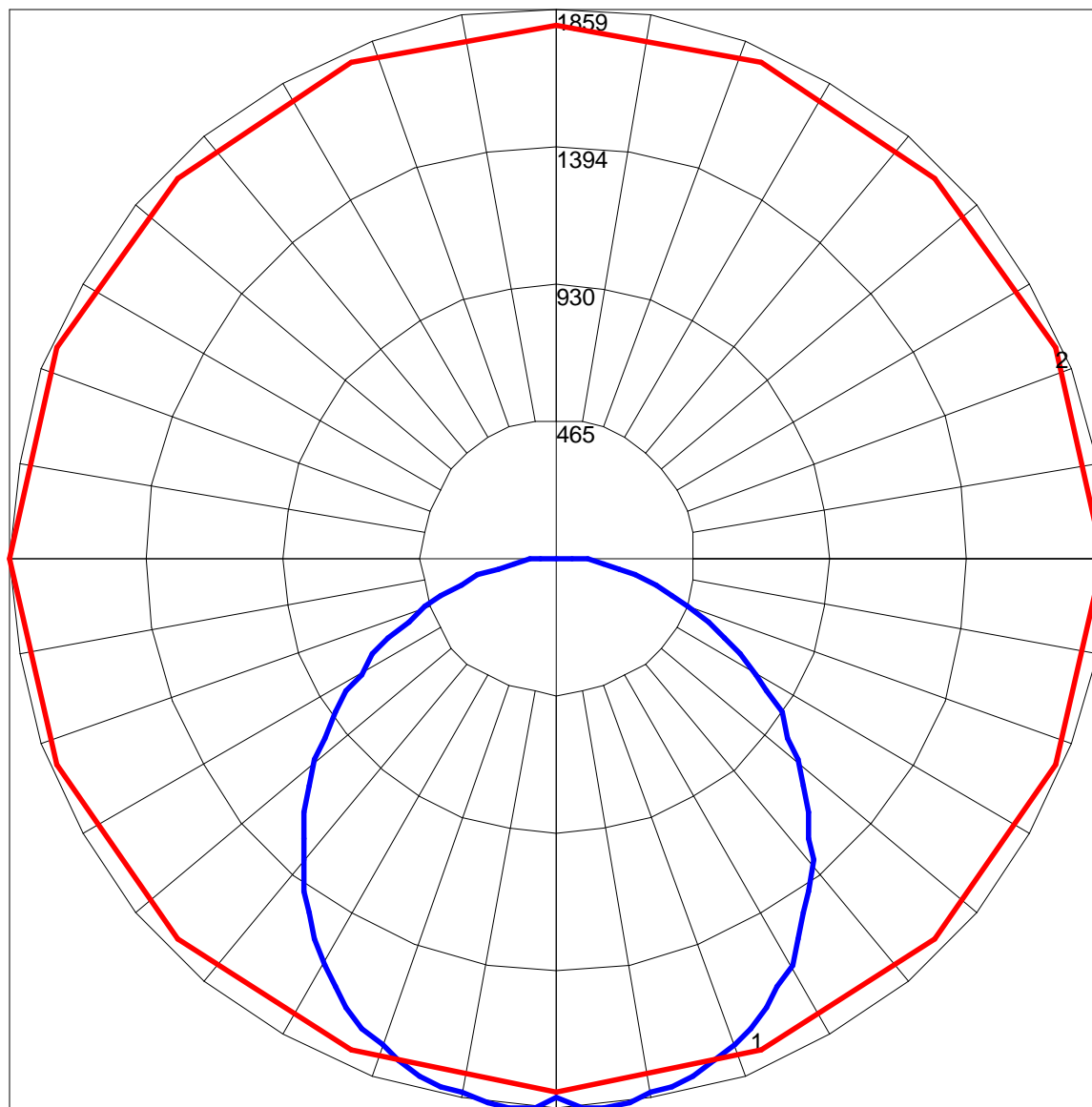
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	97	87	80	73	94	85	78	73	82	76	71	78	73	69	75	71	68	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	61	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	43	71	58	49	42	56	48	42	54	47	41	52	46	41	39
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	36	33
7	62	48	39	32	60	47	38	32	45	38	32	44	37	32	43	36	31	29
8	58	44	35	29	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	26	52	39	31	25	38	31	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1859 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.)