



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-40L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8924
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/19/17
[TEST DATE]05/19/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-40L-35
[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	4063
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	32.4
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	1445	1737	1977
55	1355	1798	2191
65	1260	1874	2472
75	1107	2026	2976
85	1013	2431	3226

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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	1131	1131	1131	1131	1131
2.5	1154	1141	1132	1122	1115
5.0	1154	1141	1132	1124	1117
7.5	1151	1139	1132	1125	1120
10.0	1145	1134	1130	1127	1122
12.5	1135	1126	1127	1127	1123
15.0	1123	1116	1121	1127	1125
17.5	1108	1104	1115	1126	1127
20.0	1089	1088	1107	1124	1127
22.5	1066	1071	1097	1120	1126
25.0	1041	1050	1086	1116	1124
27.5	1013	1027	1071	1110	1120
30.0	983	1001	1054	1102	1115
32.5	949	972	1035	1091	1107
35.0	913	942	1014	1078	1097
37.5	876	909	990	1062	1083
40.0	837	873	965	1045	1067
42.5	795	836	935	1024	1050
45.0	752	797	904	1001	1029
47.5	710	754	872	977	1008
50.0	664	712	837	949	983
52.5	617	669	799	919	956
55.0	572	624	759	886	925
57.5	528	579	718	849	891
60.0	482	533	675	810	854
62.5	437	487	630	769	812
65.0	392	440	583	724	769
67.5	346	392	534	678	723
70.0	302	343	486	631	676
72.5	256	296	437	581	624
75.0	211	252	386	526	567
77.5	170	208	335	460	500
80.0	132	166	280	392	427
82.5	98	128	221	311	330
85.0	65	89	156	205	207
87.5	34	45	73	82	79
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	425.51	N.A.	10.50
0-30	925.51	N.A.	22.80
0-40	1557.52	N.A.	38.30
0-60	2925.09	N.A.	72.00
0-80	3908.2	N.A.	96.20
0-90	4062.98	N.A.	100.00
10-90	3954.88	N.A.	97.30
20-40	1132.01	N.A.	27.90
20-50	1825.25	N.A.	44.90
40-70	1942.99	N.A.	47.80
60-80	983.12	N.A.	24.20
70-80	407.70	N.A.	10.00
80-90	154.78	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	4062.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.10
10-20	317.41
20-30	500.00
30-40	632.01
40-50	693.24
50-60	674.33
60-70	575.42
70-80	407.70
80-90	154.78
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

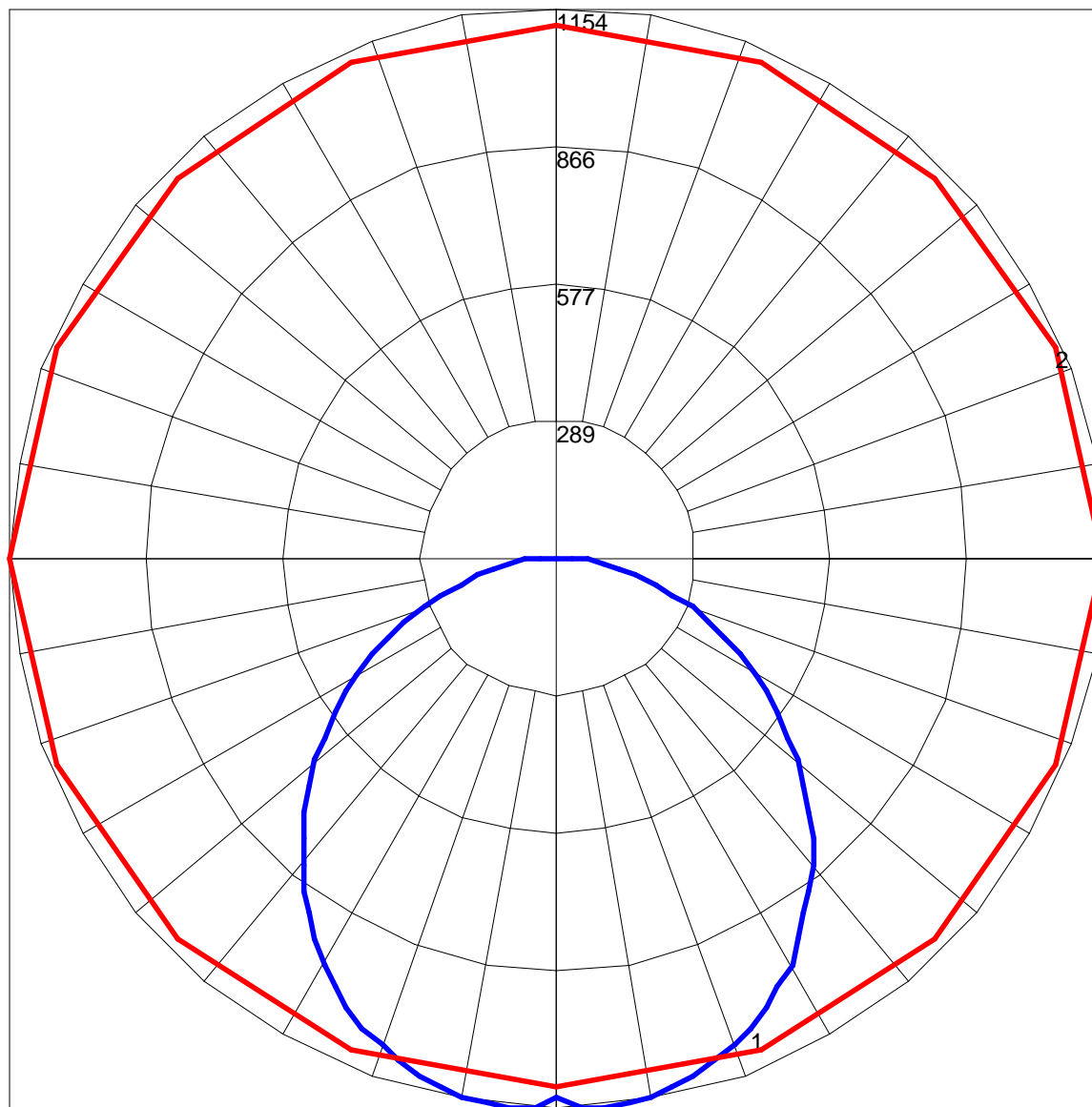
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	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	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	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 = 1154 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.)