



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8911
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/16/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-35L-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	3550
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	28.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.50
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	1266	1520	1731
55	1189	1573	1911
65	1096	1636	2160
75	981	1779	2577
85	873	2088	2774

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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	985	985	985	985	985
2.5	1005	994	987	979	973
5.0	1004	994	987	980	973
7.5	1003	993	988	982	978
10.0	997	989	986	983	980
12.5	988	981	982	982	980
15.0	978	973	978	982	980
17.5	965	962	972	982	982
20.0	949	949	966	981	985
22.5	931	935	958	979	983
25.0	909	916	946	972	980
27.5	885	897	934	967	975
30.0	858	875	921	960	972
32.5	829	850	904	950	966
35.0	800	823	886	940	956
37.5	766	793	864	927	943
40.0	730	762	840	911	931
42.5	694	729	815	894	916
45.0	659	696	791	876	901
47.5	618	660	761	853	880
50.0	580	623	731	829	859
52.5	542	586	699	803	834
55.0	502	547	664	772	807
57.5	463	507	628	741	776
60.0	424	467	591	707	746
62.5	382	426	550	672	710
65.0	341	383	509	634	672
67.5	301	341	467	593	632
70.0	264	302	426	553	592
72.5	224	261	382	507	541
75.0	187	221	339	456	491
77.5	151	184	293	401	435
80.0	118	147	246	342	370
82.5	84	112	192	271	286
85.0	56	76	134	175	178
87.5	30	41	65	86	92
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	370.97	N.A.	10.50
0-30	807.21	N.A.	22.70
0-40	1358.8	N.A.	38.30
0-60	2553.77	N.A.	71.90
0-80	3413.23	N.A.	96.20
0-90	3549.6	N.A.	100.00
10-90	3455.33	N.A.	97.30
20-40	987.83	N.A.	27.80
20-50	1593.25	N.A.	44.90
40-70	1697.92	N.A.	47.80
60-80	859.46	N.A.	24.20
70-80	356.51	N.A.	10.00
80-90	136.37	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	3549.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	94.26
10-20	276.71
20-30	436.24
30-40	551.59
40-50	605.42
50-60	589.55
60-70	502.95
70-80	356.51
80-90	136.37
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

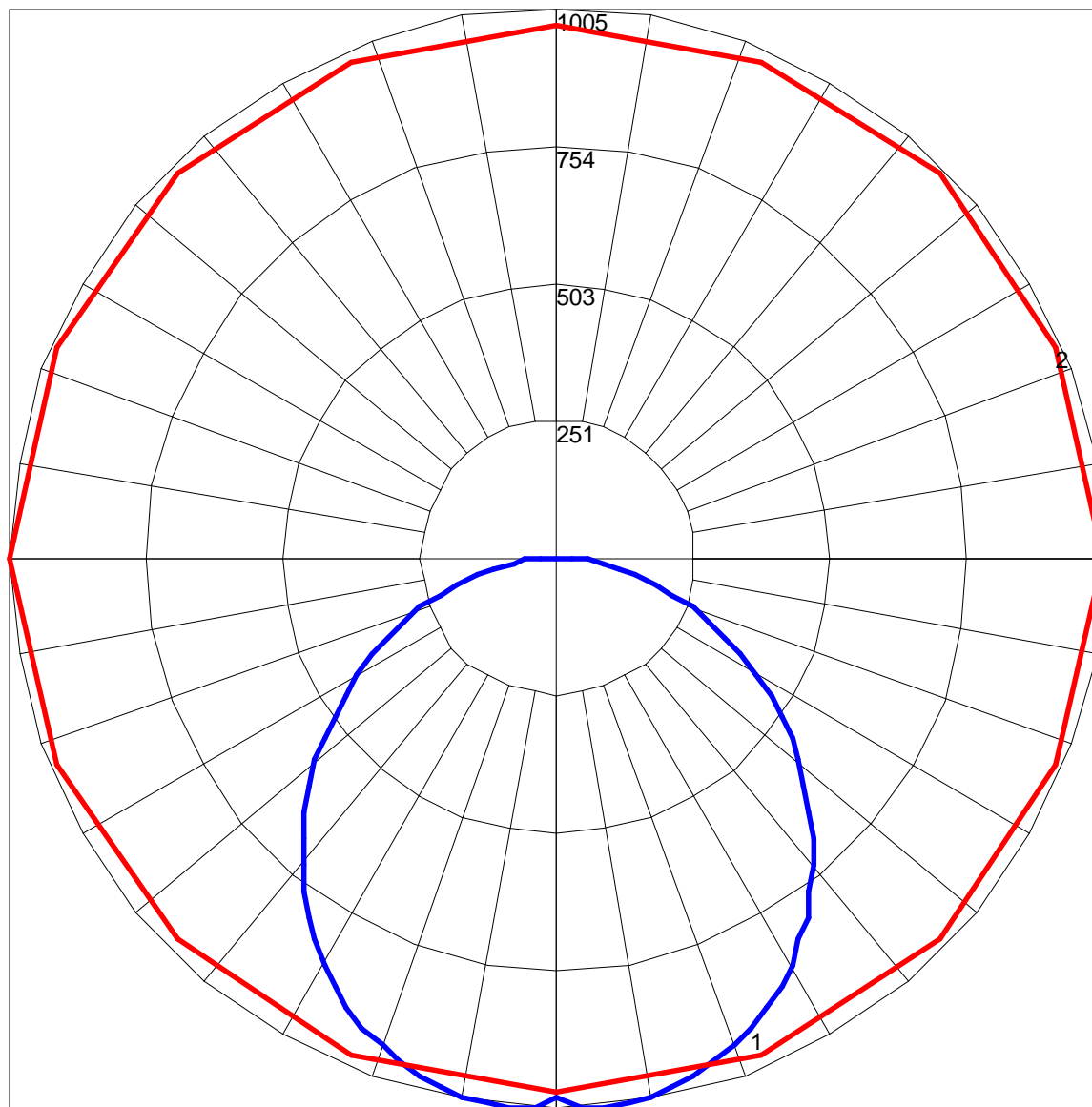
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	43	37	65	52	43	36	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	42	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 = 1005 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.)