



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-35L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8956
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/25/17
[TEST DATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-35L-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	3505
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	28.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
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	2608	3068	3445
55	2451	3131	3703
65	2290	3168	3919
75	2026	3168	3885
85	1851	2869	2468

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-35L-40.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1028	1028	1028	1028	1028
2.5	1048	1036	1029	1021	1017
5.0	1047	1036	1028	1022	1017
7.5	1043	1032	1027	1022	1017
10.0	1039	1028	1025	1023	1019
12.5	1030	1022	1021	1023	1021
15.0	1019	1013	1017	1021	1020
17.5	1005	1001	1010	1019	1020
20.0	988	987	1001	1016	1019
22.5	969	972	992	1012	1017
25.0	946	951	979	1005	1013
27.5	920	932	966	999	1009
30.0	893	908	951	990	1001
32.5	863	882	932	978	991
35.0	831	853	911	964	979
37.5	797	823	889	947	964
40.0	761	791	864	929	948
42.5	724	758	837	907	927
45.0	686	723	807	883	906
47.5	645	685	775	857	882
50.0	606	645	742	828	854
52.5	565	605	705	796	825
55.0	523	565	668	761	790
57.5	482	523	628	724	753
60.0	442	481	586	682	710
62.5	401	438	542	636	664
65.0	360	396	498	590	616
67.5	318	351	451	539	563
70.0	276	308	404	486	504
72.5	237	264	355	428	442
75.0	195	222	305	364	374
77.5	159	182	253	297	298
80.0	124	144	201	227	217
82.5	91	108	147	152	145
85.0	60	72	93	86	80
87.5	31	37	40	32	29
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-35L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.87	N.A.	11.00
0-30	837.80	N.A.	23.90
0-40	1406.35	N.A.	40.10
0-60	2616.89	N.A.	74.70
0-80	3412.4	N.A.	97.40
0-90	3504.63	N.A.	100.00
10-90	3406.49	N.A.	97.20
20-40	1020.48	N.A.	29.10
20-50	1639.16	N.A.	46.80
40-70	1696.91	N.A.	48.40
60-80	795.50	N.A.	22.70
70-80	309.13	N.A.	8.80
80-90	92.24	N.A.	2.60
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	3504.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.14
10-20	287.73
20-30	451.93
30-40	568.55
40-50	618.68
50-60	591.87
60-70	486.37
70-80	309.13
80-90	92.24
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

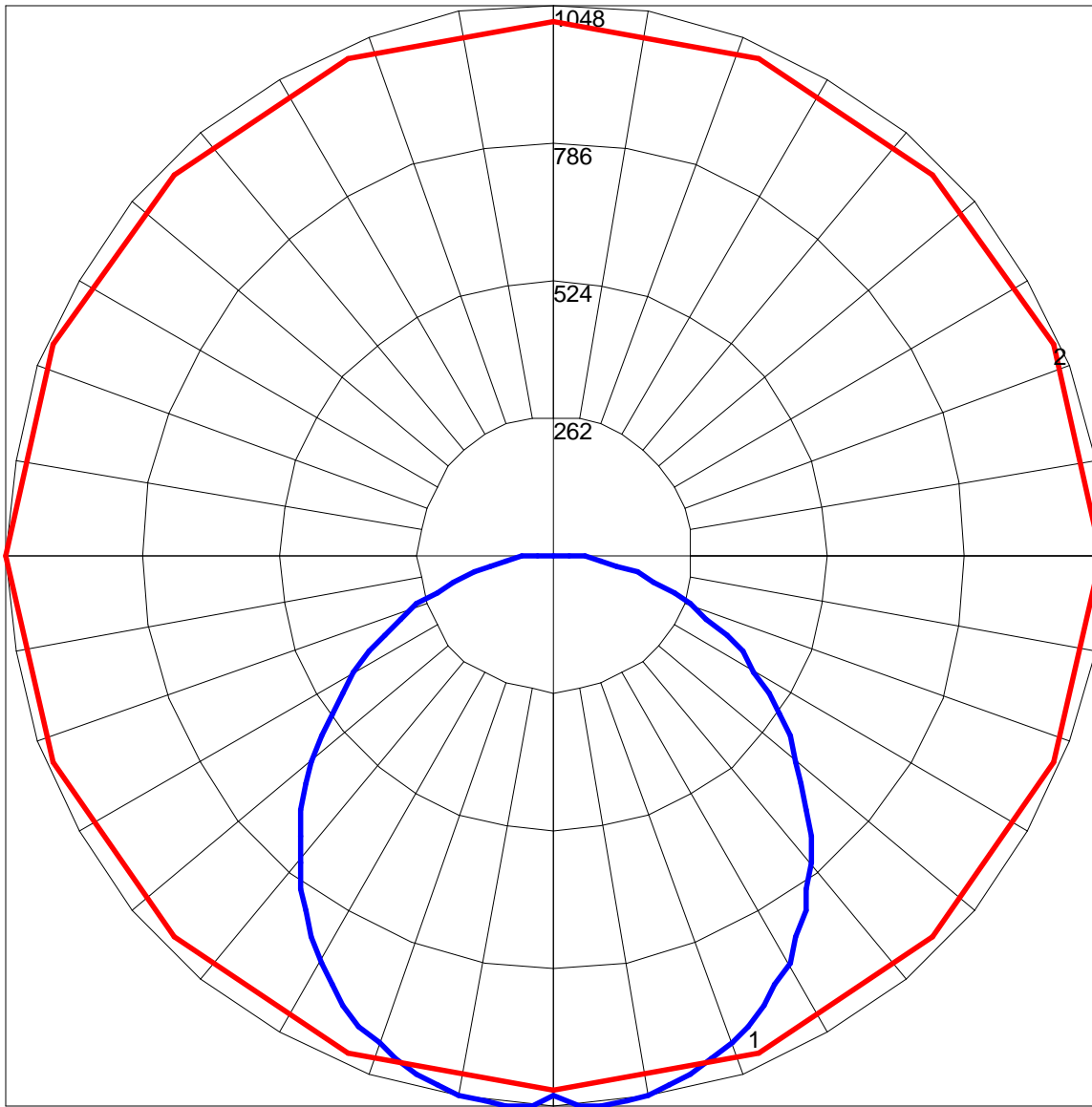
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-35L-40.IES

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	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	44	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	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 = 1048 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.)