



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-25L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8958
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/25/17
[TEST DATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-25L-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	2526
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	20.2
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	1878	2217	2487
55	1776	2255	2667
65	1648	2284	2824
75	1475	2275	2773
85	1326	2005	1789

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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	741	741	741	741	741
2.5	755	747	741	736	733
5.0	754	746	741	736	732
7.5	752	744	740	737	733
10.0	748	742	739	737	734
12.5	743	737	737	737	735
15.0	735	731	732	736	736
17.5	725	723	729	735	737
20.0	713	712	721	732	734
22.5	698	700	715	730	733
25.0	682	688	707	726	733
27.5	664	672	697	721	727
30.0	644	655	686	714	723
32.5	622	636	672	705	716
35.0	598	615	657	695	705
37.5	574	593	641	684	696
40.0	549	571	623	670	685
42.5	521	545	603	654	669
45.0	494	521	583	637	654
47.5	466	492	559	618	634
50.0	436	466	535	597	616
52.5	407	436	509	574	593
55.0	379	405	481	549	569
57.5	347	376	453	520	543
60.0	318	347	422	492	512
62.5	288	316	391	460	478
65.0	259	285	359	426	444
67.5	229	254	325	389	406
70.0	200	222	291	349	364
72.5	170	191	256	309	317
75.0	142	161	219	263	267
77.5	114	131	181	212	214
80.0	88	103	144	162	157
82.5	64	77	105	109	103
85.0	43	52	65	62	58
87.5	22	26	29	23	21
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	278.23	N.A.	11.00
0-30	604.28	N.A.	23.90
0-40	1014.3	N.A.	40.20
0-60	1886.71	N.A.	74.70
0-80	2459.85	N.A.	97.40
0-90	2525.77	N.A.	100.00
10-90	2455.04	N.A.	97.20
20-40	736.07	N.A.	29.10
20-50	1182.05	N.A.	46.80
40-70	1223.15	N.A.	48.40
60-80	573.14	N.A.	22.70
70-80	222.41	N.A.	8.80
80-90	65.92	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	2525.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.73
10-20	207.51
20-30	326.04
30-40	410.02
40-50	445.99
50-60	426.42
60-70	350.74
70-80	222.41
80-90	65.92
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

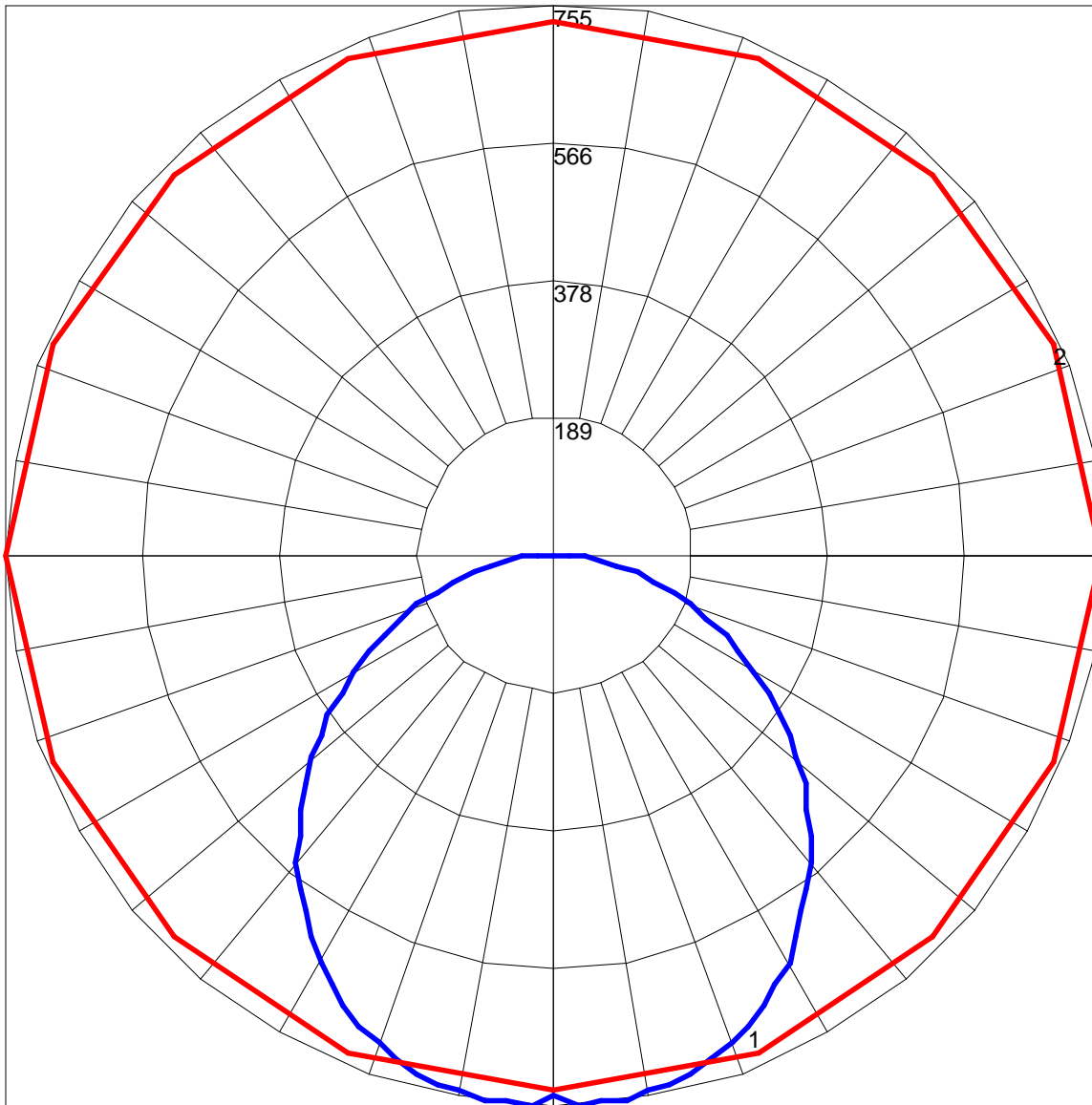
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	56
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 = 755 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.)