



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC14-LED-25L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 07/10/17
[TEST DATE] 05/25/17
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-25L-35
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2426
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
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	1802	2127	2384
55	1694	2166	2555
65	1576	2194	2729
75	1428	2191	2647
85	1243	1974	1828

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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	709.905	709.905	709.905	709.905	709.905
2.5	724.127	715.831	711.090	705.164	701.609
5.0	724.127	715.831	711.090	706.349	703.979
7.5	721.756	714.645	711.090	707.535	703.979
10.0	718.201	711.090	709.905	707.535	703.979
12.5	711.090	705.164	705.164	706.349	703.979
15.0	703.979	699.239	702.794	705.164	706.349
17.5	694.498	692.128	698.053	705.164	705.164
20.0	682.646	682.646	692.128	703.979	705.164
22.5	669.610	670.795	685.017	700.424	701.609
25.0	656.573	658.943	679.091	696.868	700.424
27.5	637.611	645.907	668.425	690.942	698.053
30.0	617.463	629.315	657.758	685.017	692.128
32.5	597.316	610.352	645.907	676.721	687.387
35.0	575.983	591.390	630.500	667.239	676.721
37.5	551.095	568.872	615.093	655.388	667.239
40.0	523.836	546.354	597.316	642.351	655.388
42.5	500.133	521.466	579.538	628.130	643.536
45.0	474.060	497.763	559.391	611.537	626.944
47.5	445.616	472.875	536.873	594.945	610.352
50.0	418.358	446.802	513.170	573.613	592.575
52.5	389.914	419.543	488.282	549.910	568.872
55.0	361.471	391.100	462.209	525.021	545.169
57.5	334.212	362.656	434.950	500.133	520.281
60.0	306.954	333.027	406.506	471.690	491.837
62.5	277.325	303.398	376.878	442.061	462.209
65.0	247.696	272.585	344.879	410.062	429.024
67.5	219.253	242.956	311.694	374.507	391.100
70.0	190.809	212.142	278.510	336.583	348.434
72.5	164.736	183.698	246.511	296.288	304.584
75.0	137.477	155.255	210.957	252.437	254.807
77.5	111.404	127.996	175.402	202.661	202.661
80.0	85.331	100.738	138.663	155.255	152.884
82.5	63.998	73.479	101.923	107.849	103.108
85.0	40.295	48.591	63.998	61.628	59.258
87.5	20.148	24.888	27.258	22.518	21.333
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	266.75	N.A.	11.00
0-30	579.52	N.A.	23.90
0-40	972.97	N.A.	40.10
0-60	1810.39	N.A.	74.60
0-80	2361.4	N.A.	97.40
0-90	2425.53	N.A.	100.00
10-90	2357.65	N.A.	97.20
20-40	706.21	N.A.	29.10
20-50	1134.18	N.A.	46.80
40-70	1174.48	N.A.	48.40
60-80	551.00	N.A.	22.70
70-80	213.95	N.A.	8.80
80-90	64.14	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	2425.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.88
10-20	198.87
20-30	312.77
30-40	393.45
40-50	427.97
50-60	409.46
60-70	337.05
70-80	213.95
80-90	64.14
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

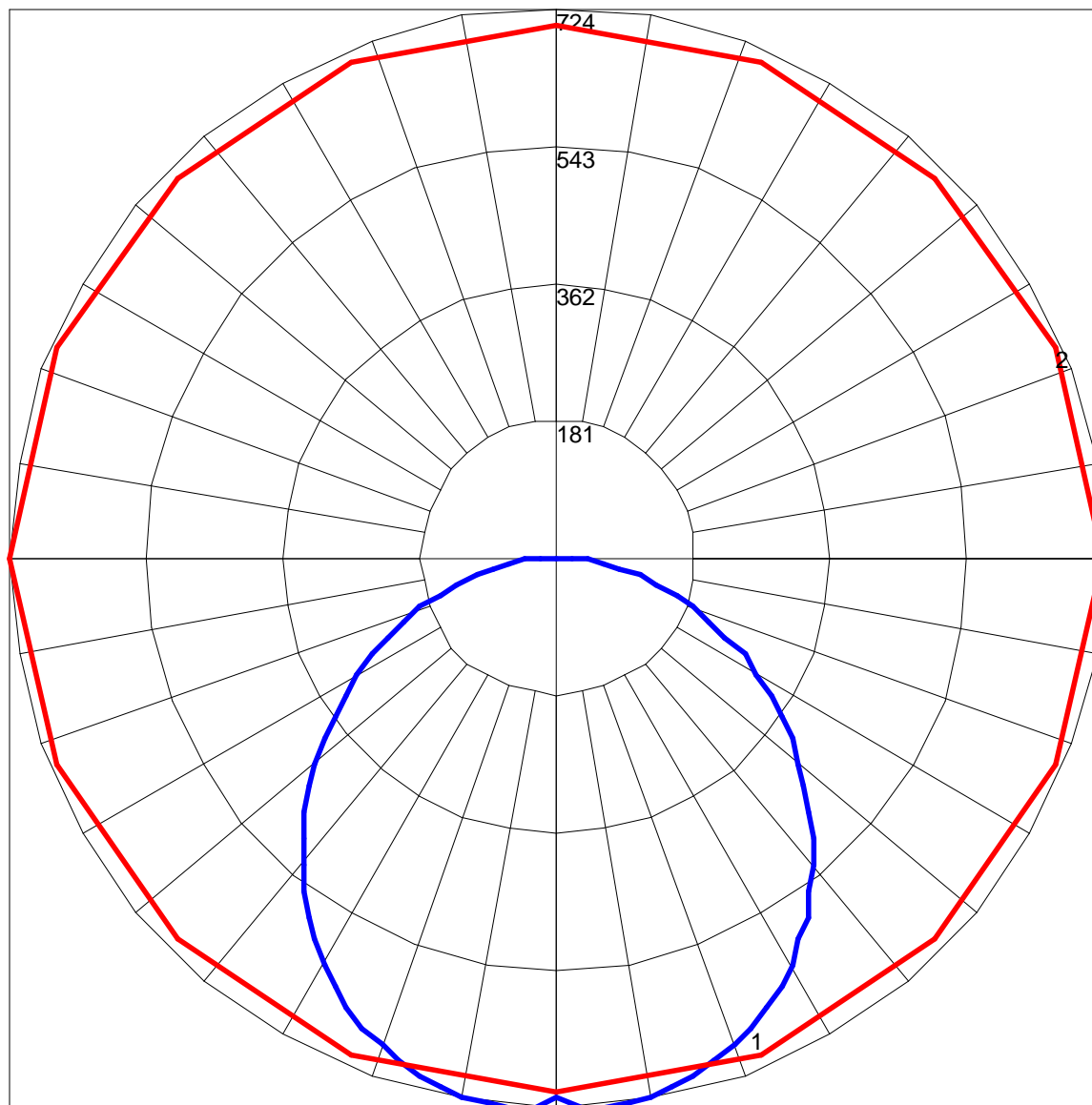
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	75	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	37	50	42	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	30	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 = 724.127 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.)