



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-20L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8969
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]06/01/17
[TEST DATE]06/01/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC14-LED-20L-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	1966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	17.3
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)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1445	1726	1947
55	1378	1772	2090
65	1279	1788	2227
75	1163	1787	2233
85	1049	1604	1357

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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	564	564	564	564	564
2.5	575	568	564	560	556
5.0	575	568	564	561	557
7.5	573	567	565	562	559
10.0	571	565	564	563	561
12.5	566	561	562	563	562
15.0	560	556	560	564	564
17.5	553	551	557	564	565
20.0	544	544	555	564	565
22.5	533	536	550	563	566
25.0	521	526	544	560	564
27.5	508	515	538	558	563
30.0	493	503	530	554	560
32.5	477	489	520	549	556
35.0	459	473	510	542	550
37.5	440	456	498	534	543
40.0	421	440	485	523	534
42.5	401	422	470	513	524
45.0	380	402	454	499	512
47.5	359	382	437	485	497
50.0	338	361	419	469	482
52.5	316	340	398	450	465
55.0	294	317	378	431	446
57.5	270	293	355	409	424
60.0	248	269	331	387	402
62.5	224	246	307	362	378
65.0	201	222	281	335	350
67.5	179	198	255	307	320
70.0	156	174	229	276	287
72.5	134	150	200	244	253
75.0	112	126	172	210	215
77.5	90	102	144	173	175
80.0	69	80	114	132	131
82.5	51	59	83	91	86
85.0	34	40	52	50	44
87.5	18	21	22	18	17
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	212.52	N.A.	10.80
0-30	463.36	N.A.	23.60
0-40	780.92	N.A.	39.70
0-60	1462.04	N.A.	74.40
0-80	1913.49	N.A.	97.30
0-90	1966.13	N.A.	100.00
10-90	1912.22	N.A.	97.30
20-40	568.41	N.A.	28.90
20-50	915.85	N.A.	46.60
40-70	956.24	N.A.	48.60
60-80	451.46	N.A.	23.00
70-80	176.33	N.A.	9.00
80-90	52.64	N.A.	2.70
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	1966.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.91
10-20	158.61
20-30	250.84
30-40	317.57
40-50	347.44
50-60	333.67
60-70	275.13
70-80	176.33
80-90	52.64
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

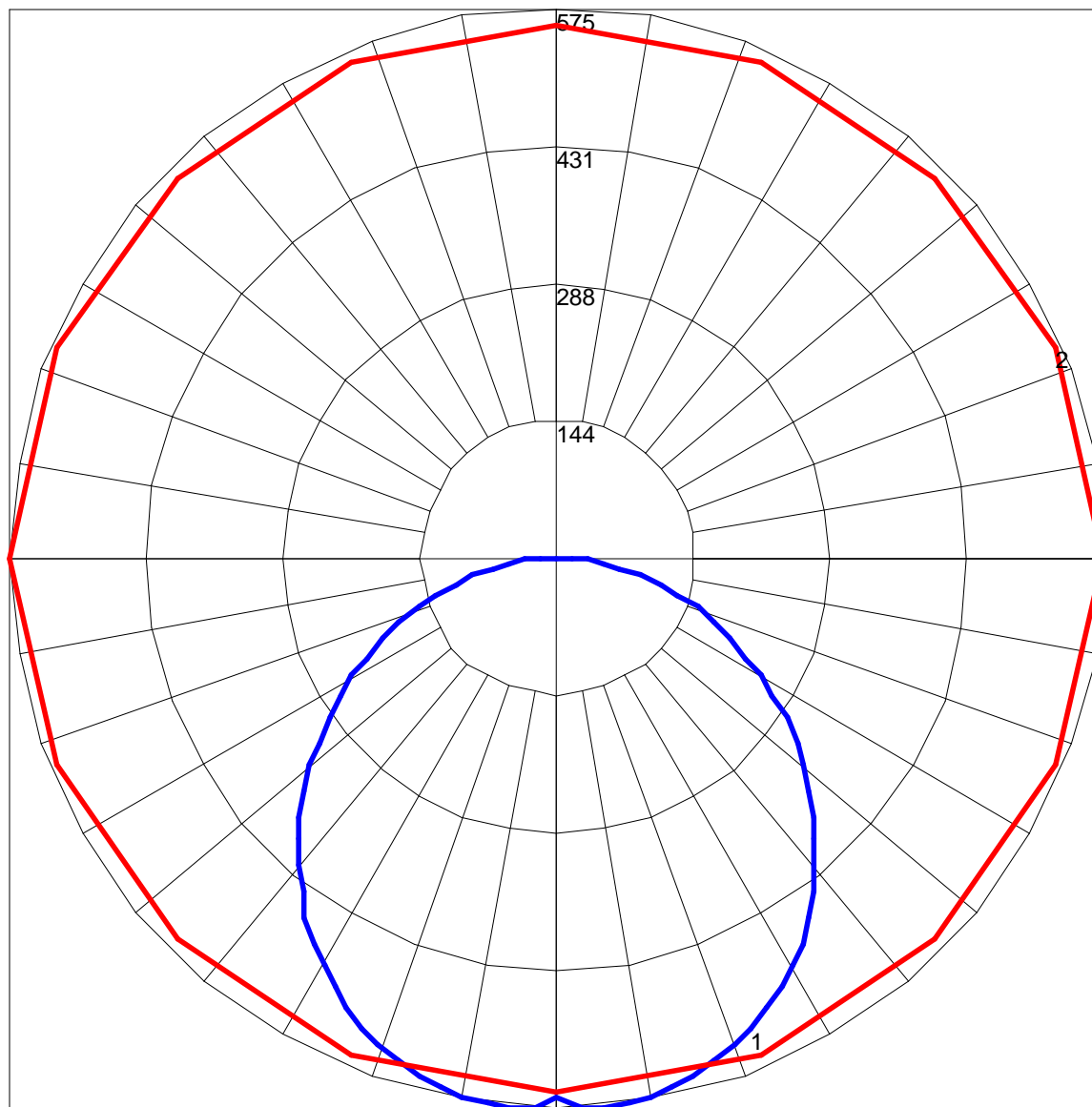
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	89	92	89	86	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	40	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	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 575 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.)