



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-20L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960
[TESTLAB] LSI INDUSTRIES, INC
[ISSUE DATE] 05/25/17
[TEST DATE] 05/25/17
[MANUFACT] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-20L-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	2047
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	16.5
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	1521	1795	2011
55	1430	1828	2156
65	1330	1851	2303
75	1205	1849	2233
85	1049	1666	1542

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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	599	599	599	599	599
2.5	611	604	600	595	592
5.0	611	604	600	596	594
7.5	609	603	600	597	594
10.0	606	600	599	597	594
12.5	600	595	595	596	594
15.0	594	590	593	595	596
17.5	586	584	589	595	595
20.0	576	576	584	594	595
22.5	565	566	578	591	592
25.0	554	556	573	588	591
27.5	538	545	564	583	589
30.0	521	531	555	578	584
32.5	504	515	545	571	580
35.0	486	499	532	563	571
37.5	465	480	519	553	563
40.0	442	461	504	542	553
42.5	422	440	489	530	543
45.0	400	420	472	516	529
47.5	376	399	453	502	515
50.0	353	377	433	484	500
52.5	329	354	412	464	480
55.0	305	330	390	443	460
57.5	282	306	367	422	439
60.0	259	281	343	398	415
62.5	234	256	318	373	390
65.0	209	230	291	346	362
67.5	185	205	263	316	330
70.0	161	179	235	284	294
72.5	139	155	208	250	257
75.0	116	131	178	213	215
77.5	94	108	148	171	171
80.0	72	85	117	131	129
82.5	54	62	86	91	87
85.0	34	41	54	52	50
87.5	17	21	23	19	18
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	225.08	N.A.	11.00
0-30	488.98	N.A.	23.90
0-40	820.96	N.A.	40.10
0-60	1527.57	N.A.	74.60
0-80	1992.49	N.A.	97.40
0-90	2046.6	N.A.	100.00
10-90	1989.32	N.A.	97.20
20-40	595.88	N.A.	29.10
20-50	956.99	N.A.	46.80
40-70	991.00	N.A.	48.40
60-80	464.92	N.A.	22.70
70-80	180.52	N.A.	8.80
80-90	54.12	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	2046.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.28
10-20	167.80
20-30	263.90
30-40	331.98
40-50	361.11
50-60	345.49
60-70	284.40
70-80	180.52
80-90	54.12
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

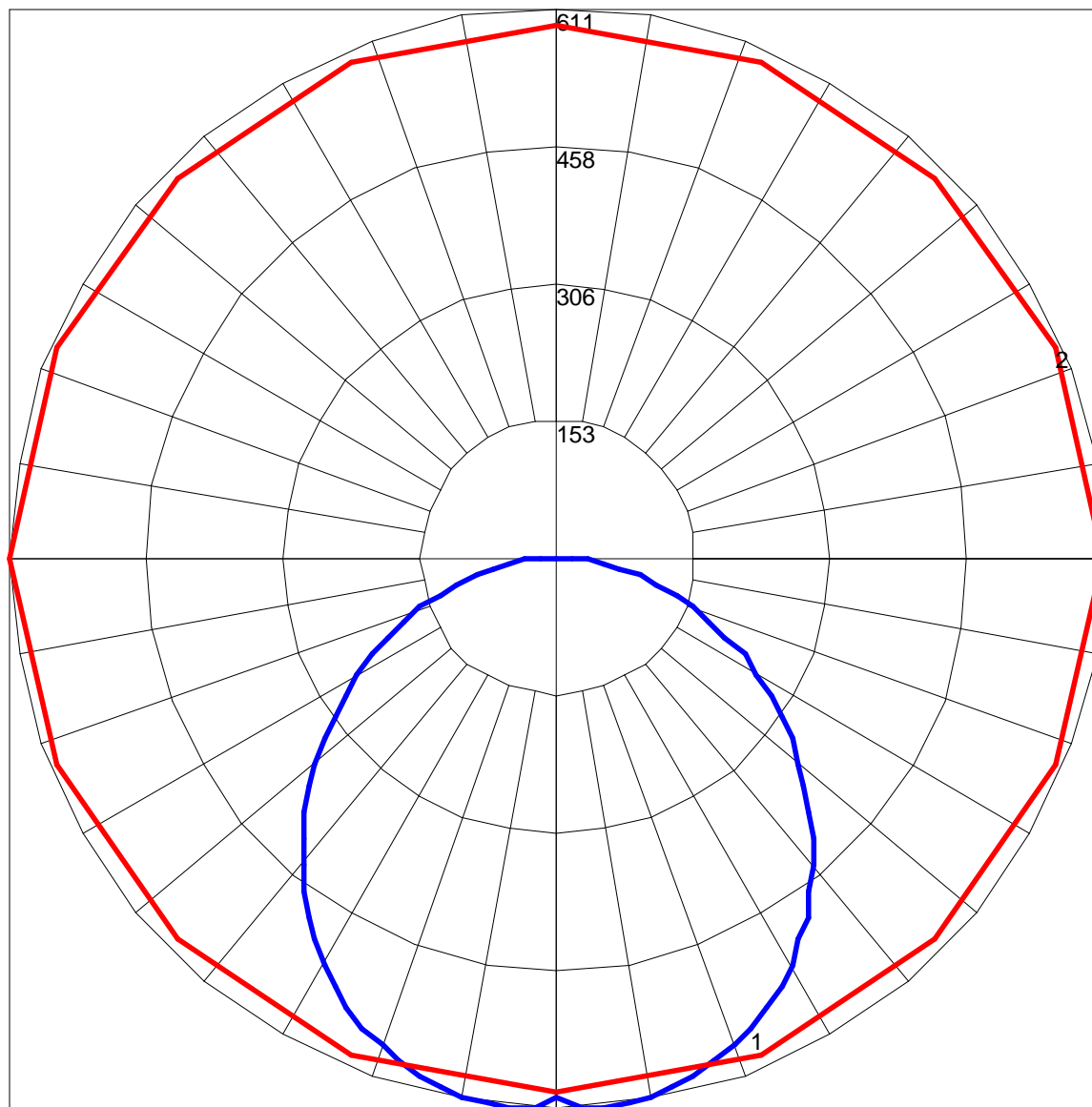
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 611 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.)