



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-20L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8833
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]04/26/17
[TEST DATE]04/26/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC22-LED-20L-40
[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	2026
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	16.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1426	1715	1977
55	1308	1753	2175
65	1183	1781	2430
75	1008	1880	2929
85	771	2036	3362

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-20L-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	591	591	591	591	591
2.5	602	598	591	586	583
5.0	602	597	592	586	583
7.5	599	595	590	587	584
10.0	595	592	589	587	586
12.5	589	587	586	585	586
15.0	583	583	584	586	585
17.5	574	575	579	583	584
20.0	564	567	574	582	584
22.5	552	556	567	578	581
25.0	539	544	559	574	579
27.5	523	531	551	570	576
30.0	505	515	539	563	571
32.5	486	498	528	555	566
35.0	467	481	515	548	559
37.5	445	461	500	537	551
40.0	422	441	485	526	541
42.5	399	420	469	514	530
45.0	375	398	451	500	520
47.5	353	375	433	487	508
50.0	329	352	413	472	494
52.5	304	329	394	457	478
55.0	279	306	374	439	464
57.5	256	282	351	420	447
60.0	231	257	329	399	426
62.5	209	234	306	380	406
65.0	186	209	280	356	382
67.5	163	185	257	332	361
70.0	140	161	231	308	336
72.5	119	138	206	283	312
75.0	97	116	181	255	282
77.5	77	94	154	223	251
80.0	59	74	127	190	213
82.5	42	53	97	148	167
85.0	25	34	66	99	109
87.5	11	14	30	42	43
90.0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-20L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	221.42	N.A.	10.90
0-30	479.32	N.A.	23.70
0-40	800.76	N.A.	39.50
0-60	1480.32	N.A.	73.10
0-80	1954.78	N.A.	96.50
0-90	2025.86	N.A.	100.00
10-90	1969.45	N.A.	97.20
20-40	579.34	N.A.	28.60
20-50	926.14	N.A.	45.70
40-70	959.26	N.A.	47.40
60-80	474.46	N.A.	23.40
70-80	194.75	N.A.	9.60
80-90	71.08	N.A.	3.50
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	2025.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.41
10-20	165.01
20-30	257.90
30-40	321.44
40-50	346.81
50-60	332.75
60-70	279.71
70-80	194.75
80-90	71.08
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

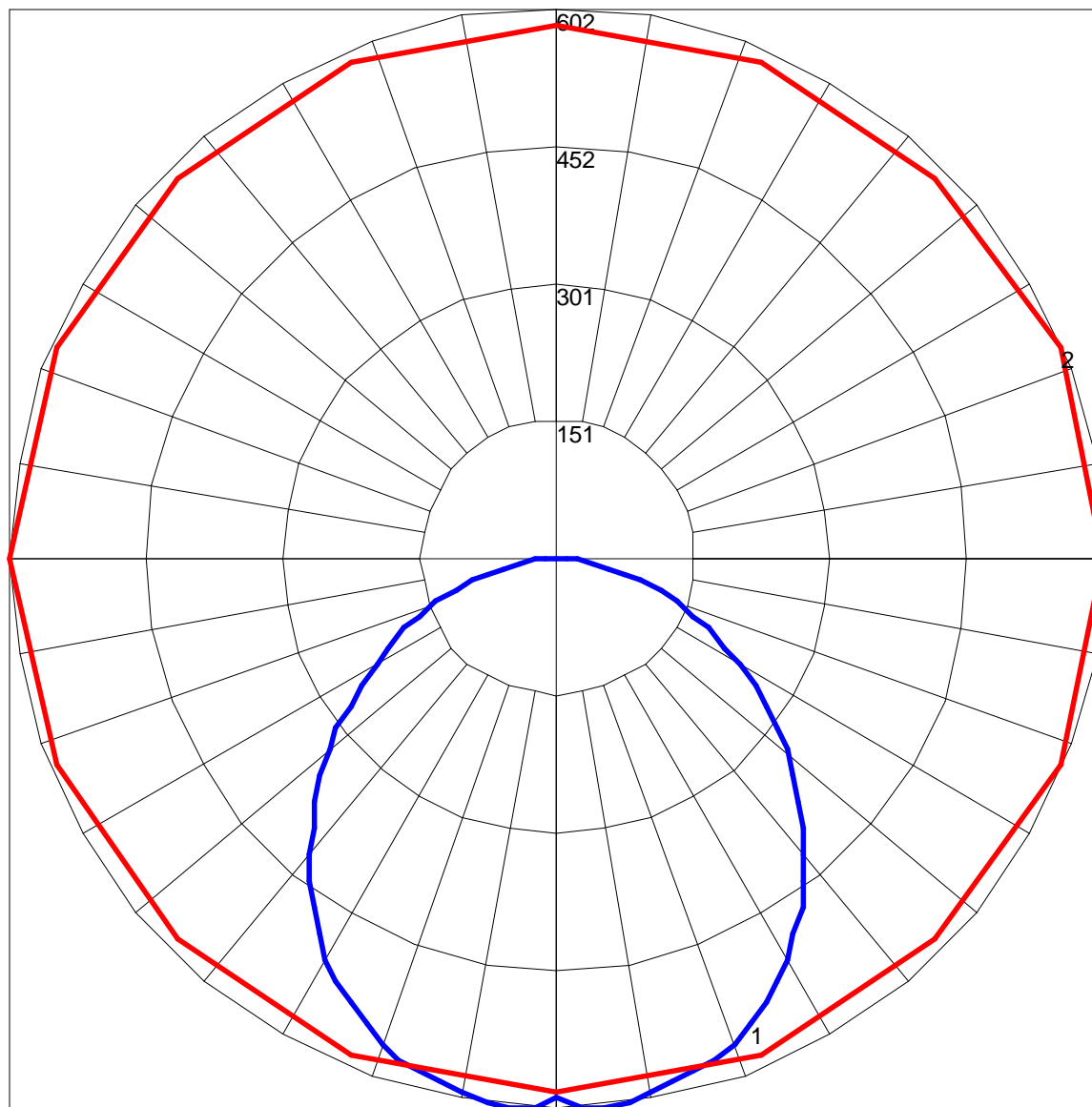
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-LED-20L-40.IES

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	107	102	97	93	105	100	95	91	95	92	88	91	88	86	88	85	83	81
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	56	49	42	54	47	42	52	46	42	39
6	68	54	44	37	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	48	39	33	61	48	39	33	46	38	32	45	37	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	24	36	28	23	35	28	23	34	28	23	21

POLAR GRAPH



Maximum Candela = 602 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.)