



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LPEC22-LED-55L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-8822

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]04/25/17

[TEST DATE]04/25/17

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]LPEC22-LED-55L-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	5584
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.98 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4100	4849	5544
55	3757	4901	6036
65	3339	4944	6756
75	2885	5155	7945
85	2173	5323	8001

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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	1668	1668	1668	1668	1668
2.5	1693	1685	1668	1655	1651
5.0	1692	1684	1669	1657	1654
7.5	1686	1679	1666	1657	1653
10.0	1674	1670	1660	1655	1654
12.5	1660	1656	1652	1652	1652
15.0	1641	1640	1643	1647	1649
17.5	1616	1620	1628	1640	1646
20.0	1588	1594	1613	1632	1640
22.5	1556	1566	1593	1620	1632
25.0	1517	1532	1569	1606	1622
27.5	1473	1493	1542	1588	1608
30.0	1424	1450	1509	1569	1592
32.5	1371	1401	1474	1546	1572
35.0	1313	1348	1435	1518	1550
37.5	1252	1293	1392	1489	1526
40.0	1186	1234	1348	1455	1496
42.5	1122	1173	1300	1419	1465
45.0	1056	1111	1249	1379	1428
47.5	988	1049	1197	1338	1392
50.0	921	983	1140	1292	1351
52.5	853	916	1083	1246	1307
55.0	785	850	1024	1195	1261
57.5	713	781	960	1142	1209
60.0	648	711	896	1085	1156
62.5	578	644	830	1025	1099
65.0	514	576	761	961	1040
67.5	450	510	694	896	970
70.0	389	445	625	826	901
72.5	330	381	555	754	831
75.0	272	318	486	678	749
77.5	214	258	412	590	659
80.0	160	198	336	493	553
82.5	112	144	256	378	420
85.0	69	90	169	238	254
87.5	30	39	74	98	99
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	623.74	N.A.	11.20
0-30	1347.21	N.A.	24.10
0-40	2244.11	N.A.	40.20
0-60	4119.2	N.A.	73.80
0-80	5402.66	N.A.	96.70
0-90	5584.24	N.A.	100.00
10-90	5425.06	N.A.	97.10
20-40	1620.38	N.A.	29.00
20-50	2581.65	N.A.	46.20
40-70	2635.88	N.A.	47.20
60-80	1283.46	N.A.	23.00
70-80	522.67	N.A.	9.40
80-90	181.58	N.A.	3.30
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	5584.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.19
10-20	464.55
20-30	723.48
30-40	896.90
40-50	961.28
50-60	913.81
60-70	760.79
70-80	522.67
80-90	181.58
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

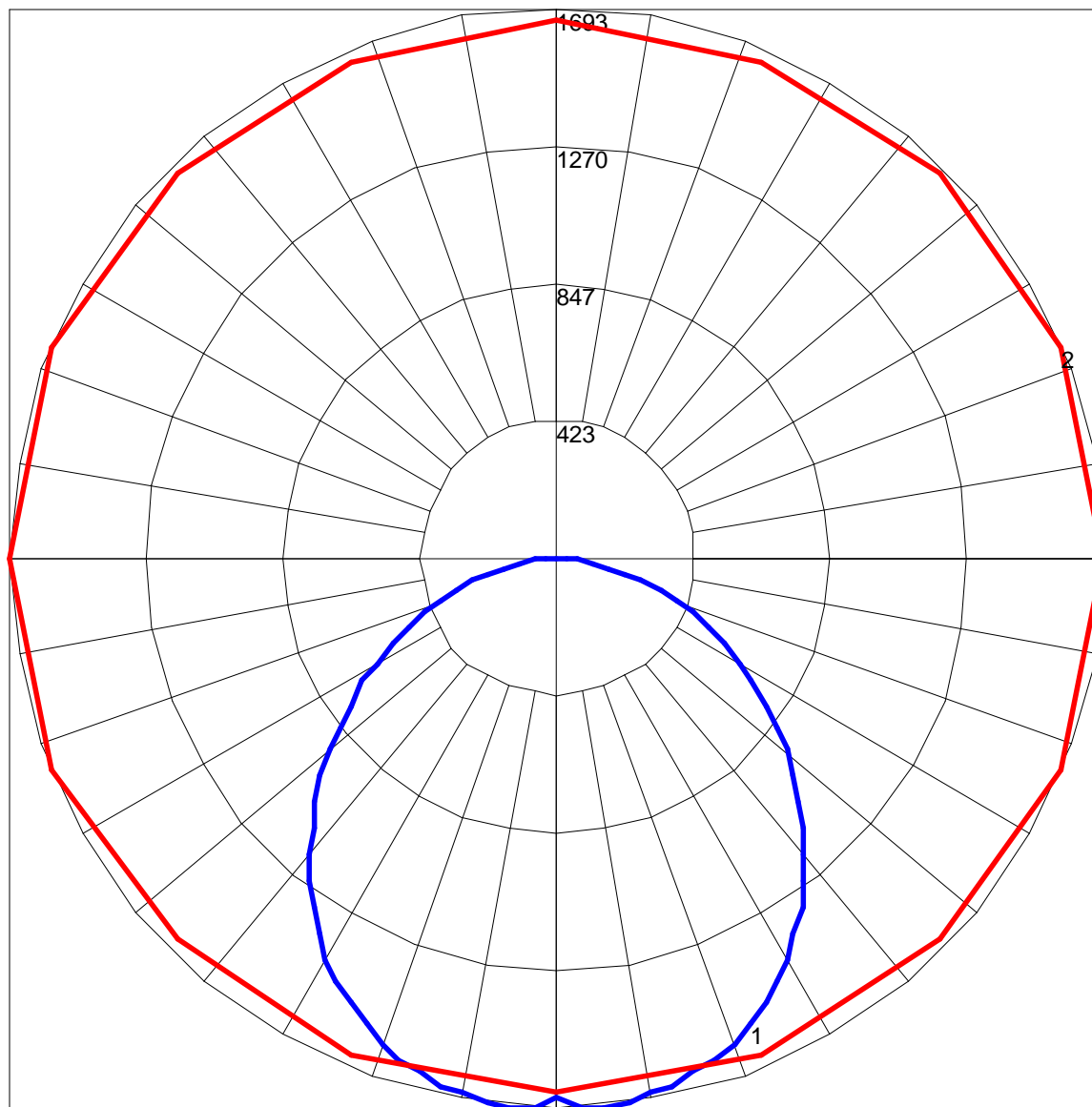
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	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	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	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 = 1693 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.)