



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC22-SM-LED-HO-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5643A
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/26/16
[TEST DATE]06/04/14
[MANUFACTURER]LSI INDUSTRIES, INC
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]SCALED FROM ORIGINAL TEST DATA
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[LUMCAT]LPEC22-SM-LED-HO-CW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4869
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	46.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
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	3521	4139	4684
55	3244	4152	5064
65	2909	4207	5668
75	2578	4365	6623
85	2256	4575	6005

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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	1497.62	1497.62	1497.62	1497.62	1497.62
2.5	1526.46	1515.13	1496.59	1479.08	1470.84
5.0	1523.37	1512.04	1494.53	1477.02	1470.84
7.5	1515.13	1505.86	1490.41	1474.96	1468.78
10.0	1503.80	1495.56	1483.20	1470.84	1466.72
12.5	1486.29	1480.11	1472.90	1465.69	1461.57
15.0	1466.72	1462.60	1460.54	1457.45	1456.42
17.5	1440.97	1439.94	1445.09	1447.15	1448.18
20.0	1412.13	1414.19	1426.55	1435.82	1437.88
22.5	1378.14	1383.29	1404.92	1422.43	1427.58
25.0	1337.97	1349.30	1381.23	1406.98	1415.22
27.5	1296.77	1312.22	1352.39	1389.47	1400.80
30.0	1251.45	1272.05	1322.52	1368.87	1383.29
32.5	1200.98	1227.76	1289.56	1346.21	1363.72
35.0	1149.48	1182.44	1254.54	1319.43	1341.06
37.5	1095.92	1131.97	1216.43	1291.62	1318.40
40.0	1040.30	1081.50	1175.23	1260.72	1291.62
42.5	984.68	1028.97	1133.00	1228.79	1262.78
45.0	925.97	973.35	1088.71	1193.77	1231.88
47.5	868.29	917.73	1040.30	1155.66	1196.86
50.0	809.58	861.08	990.86	1116.52	1158.75
52.5	750.87	802.37	939.36	1074.29	1120.64
55.0	692.16	742.63	885.80	1028.97	1080.47
57.5	630.36	684.95	832.24	982.62	1036.18
60.0	570.62	626.24	776.62	931.12	990.86
62.5	513.97	567.53	718.94	878.59	941.42
65.0	457.32	509.85	661.26	825.03	890.95
67.5	402.73	452.17	603.58	768.38	836.36
70.0	350.20	396.55	542.81	709.67	772.50
72.5	297.67	339.90	482.04	646.84	708.64
75.0	248.23	286.34	420.24	576.80	637.57
77.5	197.76	234.84	358.44	501.61	560.32
80.0	151.41	185.40	291.49	414.06	467.62
82.5	111.24	138.02	224.54	315.18	350.20
85.0	73.13	91.67	148.32	187.46	194.67
87.5	38.11	44.29	59.74	43.26	26.78
90.0	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	554.85	N.A.	11.40
0-30	1190.49	N.A.	24.50
0-40	1973.00	N.A.	40.50
0-60	3601.41	N.A.	74.00
0-80	4715.66	N.A.	96.90
0-90	4868.65	N.A.	100.00
10-90	4726.29	N.A.	97.10
20-40	1418.15	N.A.	29.10
20-50	2254.24	N.A.	46.30
40-70	2288.89	N.A.	47.00
60-80	1114.25	N.A.	22.90
70-80	453.77	N.A.	9.30
80-90	152.99	N.A.	3.10
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	4868.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.36
10-20	412.49
20-30	635.64
30-40	782.51
40-50	836.09
50-60	792.32
60-70	660.48
70-80	453.77
80-90	152.99
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

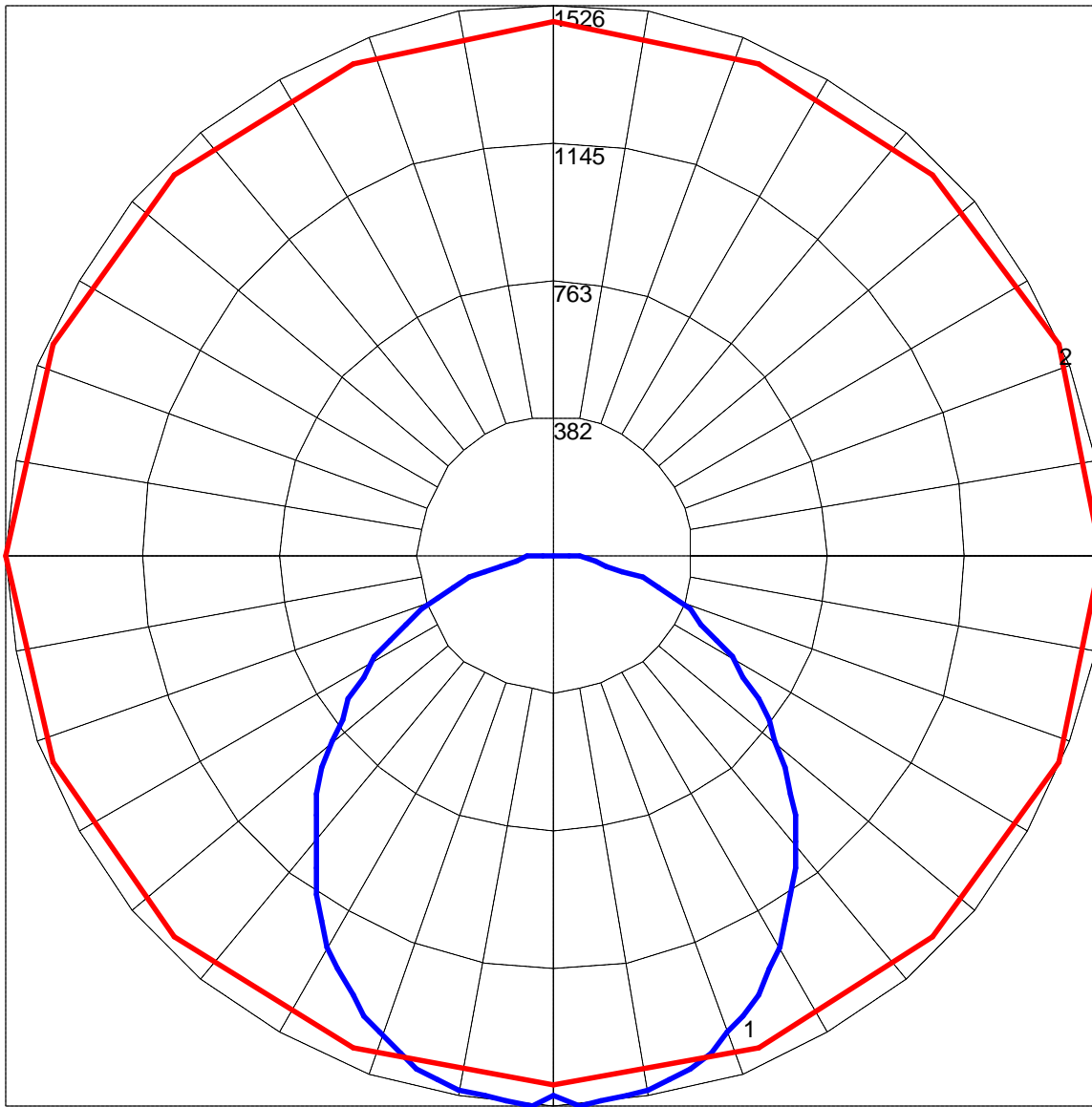
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	81
2	97	88	81	75	94	86	80	74	83	77	72	79	75	70	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	59	51	78	66	58	51	64	56	50	61	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	38	50	43	37	48	42	37	35
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	59	45	36	30	57	44	36	30	43	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1526.46 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.)