



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-60L-30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]08/18/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-60L-30
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA
[SEARCH SOURCE TYPE] LED
[SEARCH APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	46.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.52
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 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	2088	2512	2862
55	1963	2601	3156
65	1812	2708	3574
75	1627	2938	4300
85	1419	3442	4438

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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	1634.845	1634.845	1634.845	1634.845	1634.845
2.5	1667.774	1648.404	1636.782	1621.286	1611.601
5.0	1665.837	1648.404	1636.782	1627.097	1617.412
7.5	1661.963	1646.467	1636.782	1627.097	1617.412
10.0	1650.341	1636.782	1632.908	1627.097	1619.349
12.5	1638.719	1625.160	1627.097	1625.160	1623.223
15.0	1621.286	1613.538	1619.349	1629.034	1627.097
17.5	1596.104	1592.230	1609.664	1627.097	1629.034
20.0	1574.797	1574.797	1599.978	1625.160	1630.971
22.5	1541.868	1549.616	1586.419	1621.286	1629.034
25.0	1507.002	1518.624	1568.986	1613.538	1625.160
27.5	1462.450	1483.757	1547.679	1601.915	1617.412
30.0	1419.836	1446.954	1522.498	1590.293	1609.664
32.5	1373.347	1404.339	1495.379	1574.797	1596.104
35.0	1322.985	1359.788	1464.387	1557.364	1580.608
37.5	1266.811	1313.300	1433.395	1537.994	1567.049
40.0	1210.637	1262.937	1392.717	1508.939	1543.805
42.5	1154.464	1210.637	1355.914	1483.757	1520.561
45.0	1086.668	1152.527	1307.488	1448.891	1489.568
47.5	1022.747	1090.542	1259.063	1412.088	1456.639
50.0	962.699	1032.432	1210.637	1373.347	1421.773
52.5	896.840	970.447	1156.401	1328.796	1384.969
55.0	829.045	902.651	1098.290	1278.433	1332.670
57.5	765.123	840.667	1040.180	1228.071	1286.181
60.0	701.201	774.808	978.195	1171.897	1231.945
62.5	635.343	705.075	912.336	1111.849	1173.834
65.0	563.673	635.343	842.604	1047.928	1111.849
67.5	499.751	565.610	772.871	980.132	1044.054
70.0	433.892	497.814	703.138	912.336	978.195
72.5	371.908	431.955	631.469	838.730	900.714
75.0	309.923	368.034	559.799	755.438	819.359
77.5	247.939	302.175	482.318	664.398	714.760
80.0	193.702	242.127	402.900	561.736	604.350
82.5	141.402	182.080	315.734	439.704	462.948
85.0	91.040	125.906	220.820	284.742	284.742
87.5	48.425	65.859	104.599	143.339	147.214
90.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	614.67	N.A.	10.50
0-30	1337.4	N.A.	22.80
0-40	2250.7	N.A.	38.30
0-60	4229.65	N.A.	72.00
0-80	5651.18	N.A.	96.20
0-90	5873.88	N.A.	100.00
10-90	5717.66	N.A.	97.30
20-40	1636.03	N.A.	27.90
20-50	2638.97	N.A.	44.90
40-70	2811.26	N.A.	47.90
60-80	1421.53	N.A.	24.20
70-80	589.22	N.A.	10.00
80-90	222.70	N.A.	3.80
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	5873.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.22
10-20	458.45
20-30	722.74
30-40	913.30
40-50	1002.94
50-60	976.01
60-70	832.31
70-80	589.22
80-90	222.70
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

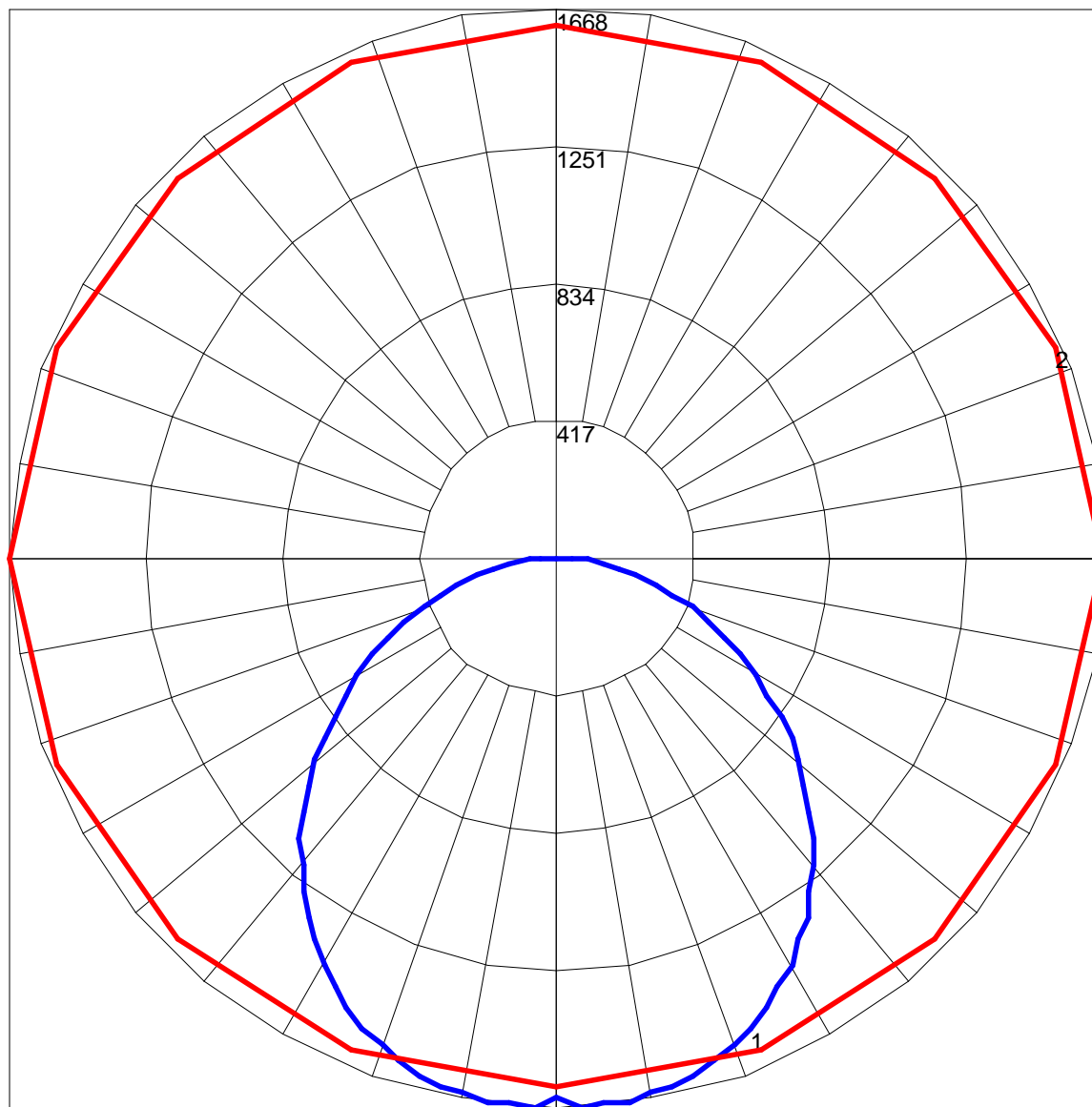
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	80
2	96	87	80	73	94	85	78	72	82	76	71	78	73	69	75	71	67	65
3	87	76	67	60	85	74	66	59	71	64	58	68	62	57	66	60	56	54
4	80	67	57	50	77	65	56	50	63	55	49	60	54	48	58	52	47	45
5	73	59	50	42	71	58	49	42	56	48	42	54	47	41	52	46	41	38
6	67	53	43	37	65	52	43	37	50	42	36	48	41	36	47	40	35	33
7	62	48	39	32	60	47	38	32	45	37	32	44	37	31	43	36	31	29
8	58	43	35	28	56	43	34	28	41	34	28	40	33	28	39	33	28	26
9	54	40	31	25	52	39	31	25	38	30	25	37	30	25	36	30	25	23
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1667.774 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.)