



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-30L-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-30L-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	2940
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	23.9
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	1045	1257	1432
55	983	1302	1580
65	907	1356	1789
75	814	1471	2153
85	710	1723	2222

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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	818.393	818.393	818.393	818.393	818.393
2.5	834.877	825.181	819.363	811.605	806.757
5.0	833.908	825.181	819.363	814.514	809.666
7.5	831.968	824.211	819.363	814.514	809.666
10.0	826.150	819.363	817.423	814.514	810.636
12.5	820.332	813.545	814.514	813.545	812.575
15.0	811.605	807.727	810.636	815.484	814.514
17.5	799.000	797.061	805.787	814.514	815.484
20.0	788.334	788.334	800.939	813.545	816.454
22.5	771.849	775.728	794.152	811.605	815.484
25.0	754.395	760.213	785.425	807.727	813.545
27.5	732.093	742.760	774.758	801.909	809.666
30.0	710.761	724.336	762.153	796.091	805.787
32.5	687.489	703.003	748.578	788.334	799.000
35.0	662.278	680.701	733.063	779.607	791.243
37.5	634.158	657.429	717.548	769.910	784.455
40.0	606.037	632.218	697.186	755.365	772.819
42.5	577.917	606.037	678.762	742.760	761.183
45.0	543.979	576.948	654.520	725.306	745.669
47.5	511.980	545.919	630.279	706.882	729.184
50.0	481.921	516.829	606.037	687.489	711.730
52.5	448.953	485.800	578.887	665.187	693.307
55.0	415.014	451.862	549.797	639.976	667.126
57.5	383.016	420.832	520.707	614.764	643.854
60.0	351.017	387.864	489.678	586.644	616.704
62.5	318.048	352.956	456.710	556.585	587.614
65.0	282.171	318.048	421.802	524.586	556.585
67.5	250.172	283.141	386.894	490.648	522.647
70.0	217.204	249.203	351.987	456.710	489.678
72.5	186.175	216.234	316.109	419.863	450.892
75.0	155.146	184.235	280.232	378.167	410.166
77.5	124.116	151.267	241.445	332.593	357.805
80.0	96.966	121.207	201.689	281.201	302.534
82.5	70.785	91.148	158.055	220.113	231.749
85.0	45.574	63.028	110.541	142.540	142.540
87.5	24.241	32.968	52.362	71.755	73.694
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	307.70	N.A.	10.50
0-30	669.49	N.A.	22.80
0-40	1126.69	N.A.	38.30
0-60	2117.34	N.A.	72.00
0-80	2828.94	N.A.	96.20
0-90	2940.43	N.A.	100.00
10-90	2862.23	N.A.	97.30
20-40	818.99	N.A.	27.90
20-50	1321.05	N.A.	44.90
40-70	1407.3	N.A.	47.90
60-80	711.61	N.A.	24.20
70-80	294.96	N.A.	10.00
80-90	111.48	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	2940.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.20
10-20	229.50
20-30	361.80
30-40	457.19
40-50	502.06
50-60	488.59
60-70	416.65
70-80	294.96
80-90	111.48
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

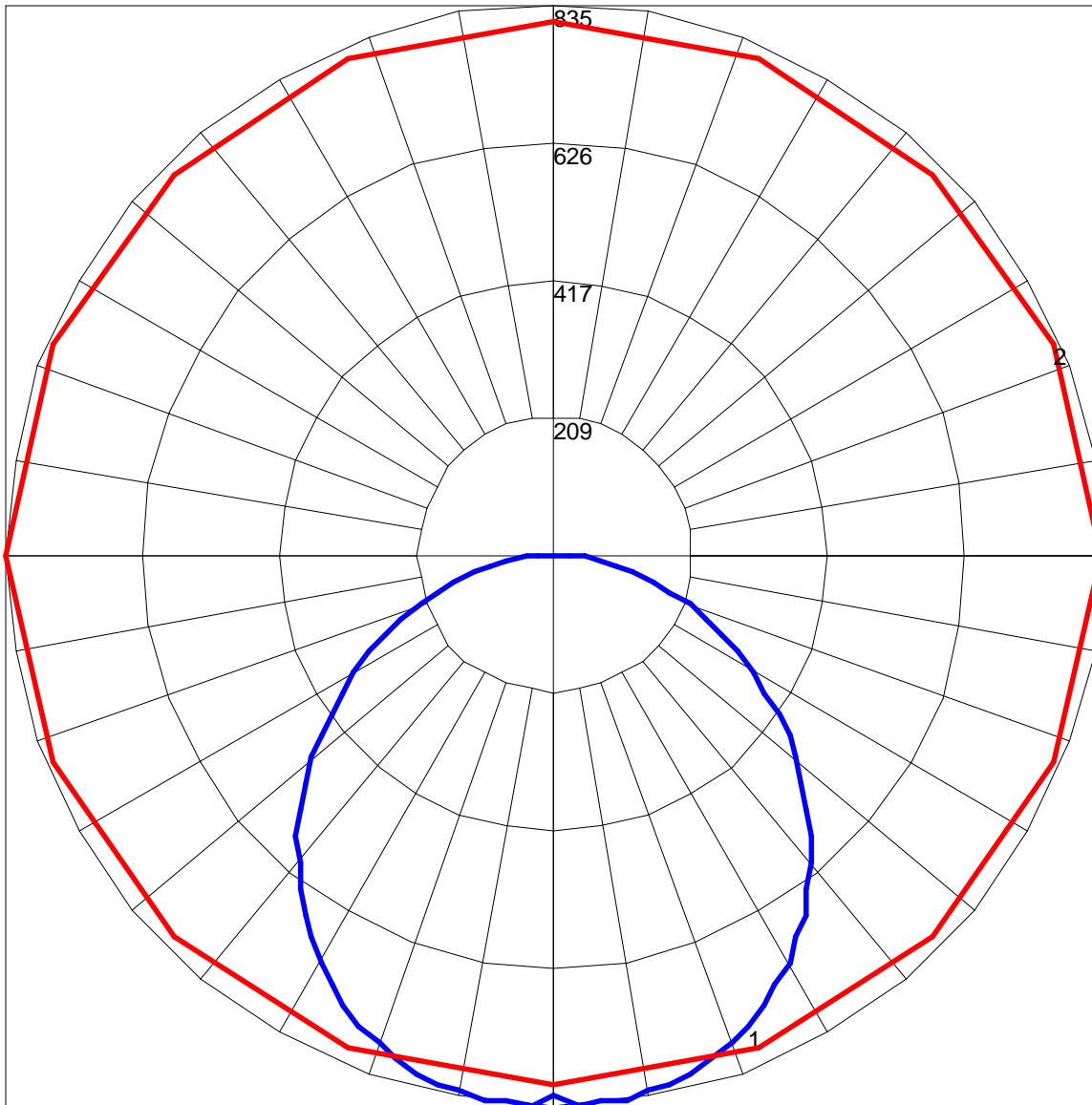
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	44	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	38	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 = 834.877 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.)