



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC24-LED-30L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8913_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/10/17
[TEST DATE]05/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LPEC24-LED-30L-35
[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	3070
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
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	1091	1313	1496
55	1026	1360	1650
65	947	1416	1868
75	850	1536	2248
85	742	1799	2320

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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	854.575	854.575	854.575	854.575	854.575
2.5	871.788	861.663	855.588	847.488	842.425
5.0	870.776	861.663	855.588	850.525	845.463
7.5	868.751	860.650	855.588	850.525	845.463
10.0	862.676	855.588	853.563	850.525	846.475
12.5	856.600	849.513	850.525	849.513	848.500
15.0	847.488	843.437	846.475	851.538	850.525
17.5	834.325	832.300	841.412	850.525	851.538
20.0	823.187	823.187	836.350	849.513	852.550
22.5	805.974	810.024	829.262	847.488	851.538
25.0	787.748	793.823	820.149	843.437	849.513
27.5	764.460	775.598	809.011	837.362	845.463
30.0	742.184	756.360	795.849	831.287	841.412
32.5	717.884	734.084	781.673	823.187	834.325
35.0	691.558	710.796	765.473	814.074	826.224
37.5	662.195	686.495	749.272	803.949	819.137
40.0	632.831	660.170	728.009	788.761	806.986
42.5	603.468	632.831	708.771	775.598	794.836
45.0	568.029	602.455	683.458	757.372	778.636
47.5	534.616	570.054	658.144	738.134	761.423
50.0	503.227	539.678	632.831	717.884	743.197
52.5	468.801	507.278	604.480	694.596	723.959
55.0	433.363	471.839	574.104	668.270	696.621
57.5	399.949	439.438	543.729	641.944	672.320
60.0	366.536	405.012	511.328	612.581	643.969
62.5	332.110	368.561	476.902	581.192	613.593
65.0	294.646	332.110	440.451	547.779	581.192
67.5	261.233	295.659	403.999	512.340	545.754
70.0	226.807	260.220	367.548	476.902	511.328
72.5	194.406	225.794	330.085	438.425	470.826
75.0	162.005	192.381	292.621	394.887	428.300
77.5	129.604	157.955	252.120	347.298	373.624
80.0	101.253	126.566	210.606	293.634	315.909
82.5	73.915	95.178	165.042	229.844	241.995
85.0	47.589	65.814	115.428	148.842	148.842
87.5	25.313	34.426	54.677	74.927	76.952
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	321.30	N.A.	10.50
0-30	699.09	N.A.	22.80
0-40	1176.5	N.A.	38.30
0-60	2210.95	N.A.	72.00
0-80	2954.02	N.A.	96.20
0-90	3070.43	N.A.	100.00
10-90	2988.77	N.A.	97.30
20-40	855.20	N.A.	27.90
20-50	1379.46	N.A.	44.90
40-70	1469.52	N.A.	47.90
60-80	743.07	N.A.	24.20
70-80	308.00	N.A.	10.00
80-90	116.41	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	3070.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.66
10-20	239.64
20-30	377.79
30-40	477.40
40-50	524.26
50-60	510.19
60-70	435.07
70-80	308.00
80-90	116.41
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

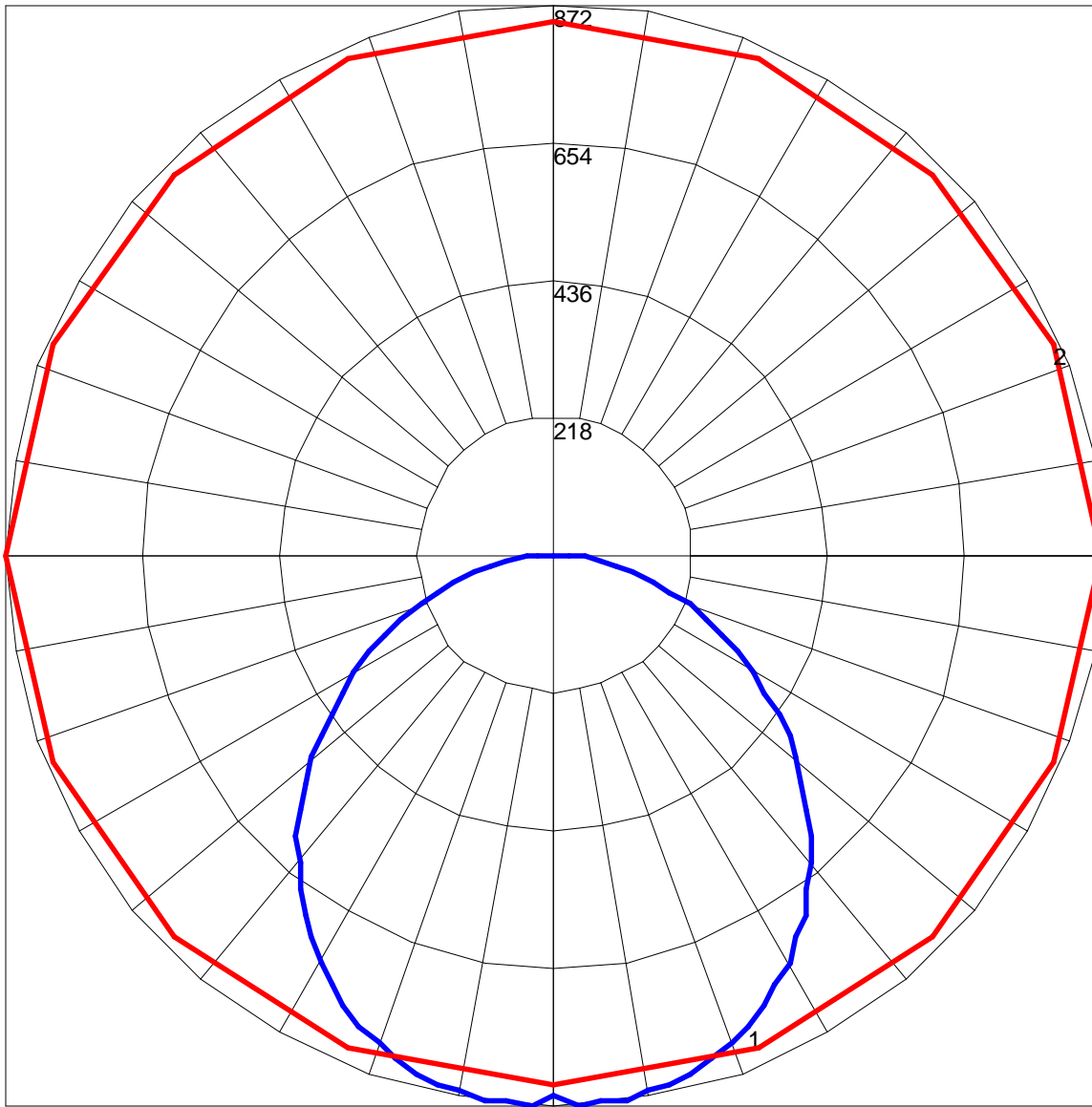
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 871.788 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.)