



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LPEC14-LED-30L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 07/10/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2910
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2163	2552	2860
55	2033	2600	3066
65	1891	2633	3275
75	1714	2629	3176
85	1491	2369	2193

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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	851.826	851.826	851.826	851.826	851.826
2.5	868.891	858.936	853.248	846.138	841.871
5.0	868.891	858.936	853.248	847.560	844.716
7.5	866.047	857.514	853.248	848.982	844.716
10.0	861.781	853.248	851.826	848.982	844.716
12.5	853.248	846.138	846.138	847.560	844.716
15.0	844.716	839.027	843.293	846.138	847.560
17.5	833.339	830.495	837.605	846.138	846.138
20.0	819.118	819.118	830.495	844.716	846.138
22.5	803.475	804.897	821.962	840.449	841.871
25.0	787.832	790.677	814.852	836.183	840.449
27.5	765.079	775.034	802.053	829.073	837.605
30.0	740.904	755.125	789.254	821.962	830.495
32.5	716.728	732.371	775.034	812.008	824.806
35.0	691.131	709.618	756.547	800.631	812.008
37.5	661.267	682.598	738.060	786.410	800.631
40.0	628.559	655.579	716.728	770.767	786.410
42.5	600.118	625.715	695.397	753.702	772.189
45.0	568.832	597.274	671.222	733.793	752.280
47.5	534.702	567.410	644.202	713.884	732.371
50.0	501.994	536.124	615.761	688.287	711.040
52.5	467.864	503.416	585.897	659.845	682.598
55.0	433.734	469.286	554.611	629.981	654.157
57.5	401.027	435.156	521.903	600.118	624.293
60.0	368.319	399.604	487.773	565.988	590.163
62.5	332.767	364.052	452.221	530.436	554.611
65.0	297.215	327.078	413.825	492.040	514.793
67.5	263.085	291.526	374.007	449.377	469.286
70.0	228.955	254.552	334.189	403.871	418.092
72.5	197.669	220.422	295.793	355.520	365.475
75.0	164.961	186.292	253.130	302.903	305.747
77.5	133.676	153.585	210.468	243.176	243.176
80.0	102.390	120.877	166.383	186.292	183.448
82.5	76.792	88.169	122.299	129.409	123.721
85.0	48.351	58.305	76.792	73.948	71.104
87.5	24.175	29.864	32.708	27.020	25.597
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	320.08	N.A.	11.00
0-30	695.37	N.A.	23.90
0-40	1167.48	N.A.	40.10
0-60	2172.32	N.A.	74.60
0-80	2833.47	N.A.	97.40
0-90	2910.43	N.A.	100.00
10-90	2828.98	N.A.	97.20
20-40	847.40	N.A.	29.10
20-50	1360.92	N.A.	46.80
40-70	1409.28	N.A.	48.40
60-80	661.15	N.A.	22.70
70-80	256.72	N.A.	8.80
80-90	76.96	N.A.	2.60
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	2910.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.46
10-20	238.63
20-30	375.29
30-40	472.10
40-50	513.53
50-60	491.32
60-70	404.44
70-80	256.72
80-90	76.96
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

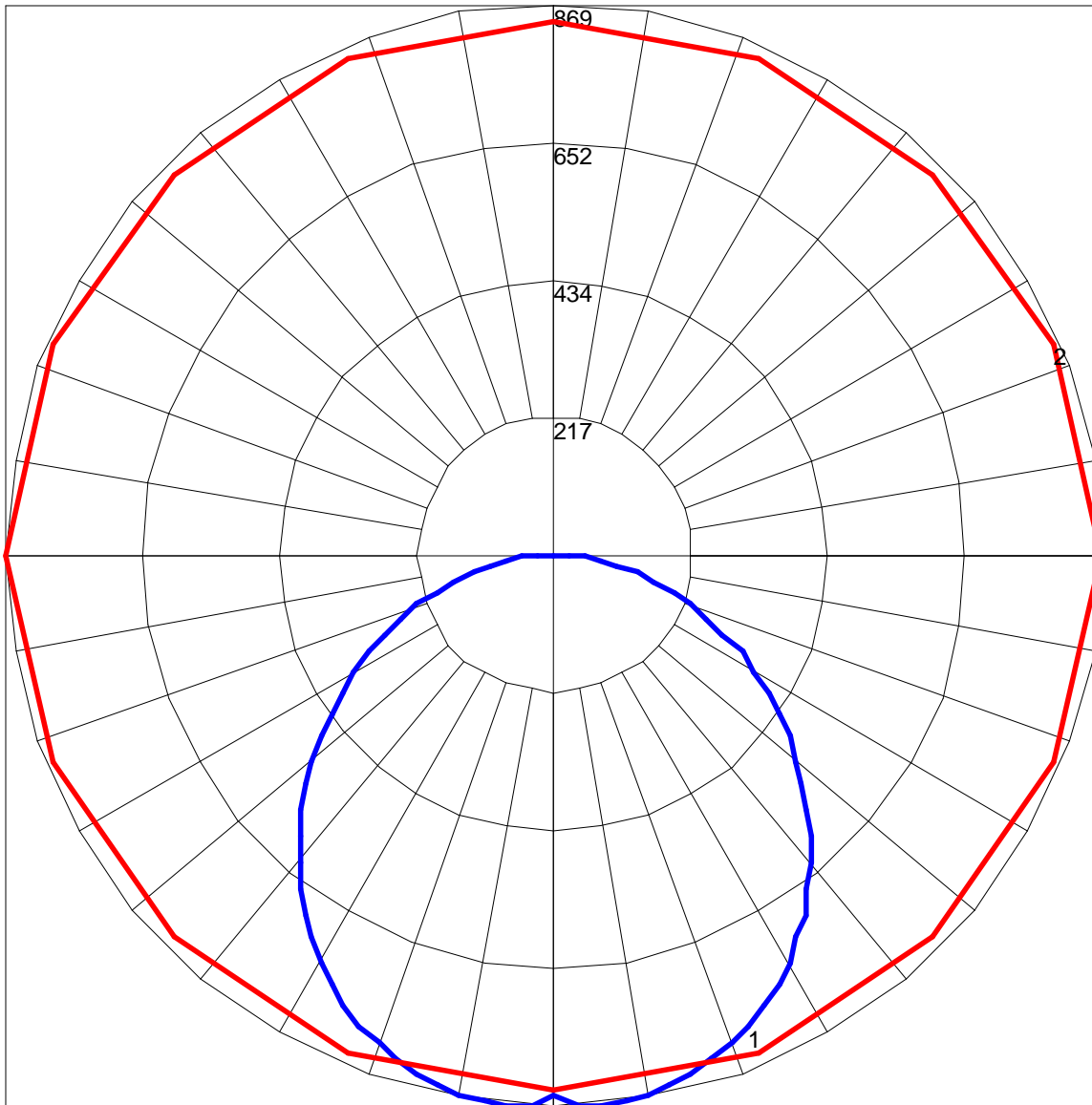
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	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	33	61	48	39	33	46	39	33	45	38	33	44	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 = 868.891 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.)