



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-8960_Scaled
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 08/18/17
[TESTDATE] 05/25/17
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] LPEC14-LED-35L-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_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3396
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	28.2
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	2524	2978	3338
55	2372	3034	3578
65	2206	3072	3822
75	2000	3068	3706
85	1740	2764	2559

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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	994.035	994.035	994.035	994.035	994.035
2.5	1013.948	1002.332	995.694	987.397	982.418
5.0	1013.948	1002.332	995.694	989.056	985.737
7.5	1010.629	1000.672	995.694	990.716	985.737
10.0	1005.651	995.694	994.035	990.716	985.737
12.5	995.694	987.397	987.397	989.056	985.737
15.0	985.737	979.099	984.078	987.397	989.056
17.5	972.461	969.142	977.440	987.397	987.397
20.0	955.866	955.866	969.142	985.737	987.397
22.5	937.612	939.271	959.185	980.759	982.418
25.0	919.357	922.676	950.888	975.780	980.759
27.5	892.806	904.422	935.952	967.483	977.440
30.0	864.594	881.189	921.017	959.185	969.142
32.5	836.383	854.637	904.422	947.569	962.504
35.0	806.512	828.086	882.849	934.293	947.569
37.5	771.663	796.555	861.275	917.698	934.293
40.0	733.495	765.025	836.383	899.444	917.698
42.5	700.305	730.176	811.491	879.530	901.103
45.0	663.796	696.986	783.279	856.297	877.870
47.5	623.968	662.137	751.749	833.064	854.637
50.0	585.800	625.628	718.559	803.193	829.745
52.5	545.972	587.459	683.710	770.003	796.555
55.0	506.144	547.632	647.201	735.154	763.365
57.5	467.976	507.804	609.033	700.305	728.516
60.0	429.808	466.317	569.205	660.477	688.688
62.5	388.321	424.829	527.718	618.990	647.201
65.0	346.833	381.683	482.912	574.184	600.735
67.5	307.006	340.195	436.446	524.399	547.632
70.0	267.178	297.049	389.980	471.295	487.890
72.5	230.669	257.221	345.174	414.872	426.489
75.0	192.501	217.393	295.389	353.471	356.790
77.5	155.992	179.225	245.605	283.773	283.773
80.0	119.483	141.057	194.160	217.393	214.074
82.5	89.612	102.888	142.716	151.014	144.376
85.0	56.423	68.039	89.612	86.293	82.974
87.5	28.211	34.849	38.168	31.530	29.871
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	373.52	N.A.	11.00
0-30	811.46	N.A.	23.90
0-40	1362.38	N.A.	40.10
0-60	2534.98	N.A.	74.60
0-80	3306.51	N.A.	97.40
0-90	3396.32	N.A.	100.00
10-90	3301.26	N.A.	97.20
20-40	988.86	N.A.	29.10
20-50	1588.12	N.A.	46.80
40-70	1644.55	N.A.	48.40
60-80	771.53	N.A.	22.70
70-80	299.58	N.A.	8.80
80-90	89.81	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	3396.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.05
10-20	278.46
20-30	437.95
30-40	550.92
40-50	599.26
50-60	573.34
60-70	471.96
70-80	299.58
80-90	89.81
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

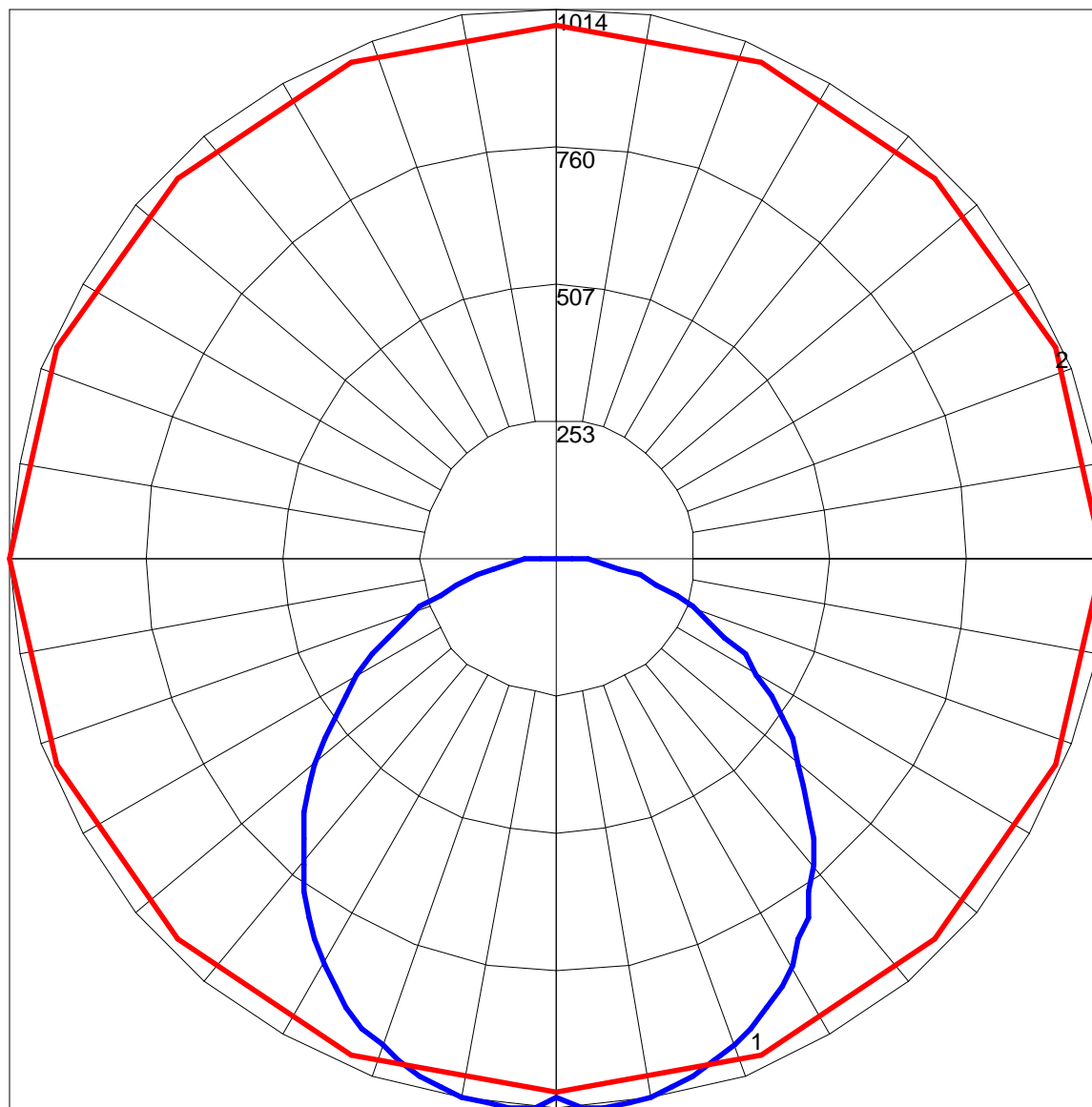
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1013.948 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.)