



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-80L-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9762_scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]6/12/2018
[TEST DATE]02/23/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-80L-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	8112
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	54.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14738	14563	14441
55	14731	14527	14354
65	14099	13821	13631
75	12419	12084	11941
85	8652	9432	9291

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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	2491.096	2491.096	2491.096	2491.096	2491.096
2.5	2520.985	2496.844	2486.498	2487.648	2496.844
5.0	2523.284	2497.994	2488.797	2491.096	2499.143
7.5	2519.835	2495.695	2485.349	2489.947	2496.844
10.0	2514.088	2489.947	2479.601	2484.199	2489.947
12.5	2504.891	2479.601	2469.255	2473.853	2479.601
15.0	2491.096	2466.956	2456.610	2458.909	2464.657
17.5	2470.404	2449.712	2439.366	2440.516	2445.114
20.0	2446.264	2426.721	2417.525	2417.525	2422.123
22.5	2417.525	2399.132	2391.085	2389.935	2394.533
25.0	2384.187	2368.094	2360.047	2357.748	2362.346
27.5	2348.551	2330.158	2325.560	2319.812	2323.261
30.0	2303.718	2287.624	2283.026	2277.278	2279.577
32.5	2257.736	2241.642	2234.745	2226.698	2230.146
35.0	2204.856	2188.762	2181.865	2171.519	2178.416
37.5	2145.079	2131.284	2123.237	2112.891	2118.639
40.0	2080.704	2068.058	2060.011	2048.516	2049.665
42.5	2011.730	1999.085	1991.038	1974.944	1979.542
45.0	1938.158	1920.915	1915.167	1895.624	1899.073
47.5	1856.539	1840.446	1833.548	1810.557	1817.454
50.0	1769.173	1754.229	1743.882	1723.190	1728.938
52.5	1674.909	1658.815	1651.918	1628.926	1633.525
55.0	1571.448	1554.205	1549.607	1528.915	1531.214
57.5	1458.792	1450.745	1440.399	1424.305	1426.604
60.0	1346.135	1341.536	1324.293	1309.349	1312.797
62.5	1230.029	1226.580	1207.038	1193.243	1189.795
65.0	1108.176	1108.176	1086.334	1067.941	1071.390
67.5	984.023	984.023	962.182	944.938	941.490
70.0	857.572	857.572	832.281	817.337	817.337
72.5	725.372	725.372	705.830	696.633	695.484
75.0	597.771	590.874	581.677	577.079	574.780
77.5	467.871	462.123	457.525	457.525	459.824
80.0	348.317	344.868	346.018	348.317	343.718
82.5	236.809	237.959	243.707	242.557	243.707
85.0	140.246	145.994	152.891	148.293	150.592
87.5	63.226	68.974	74.721	71.273	73.572
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	934.98	N.A.	11.50
0-30	2025.88	N.A.	25.00
0-40	3392.25	N.A.	41.80
0-60	6246.98	N.A.	77.00
0-80	7939.65	N.A.	97.90
0-90	8111.92	N.A.	100.00
10-90	7873.85	N.A.	97.10
20-40	2457.28	N.A.	30.30
20-50	3932.07	N.A.	48.50
40-70	3929.09	N.A.	48.40
60-80	1692.66	N.A.	20.90
70-80	618.30	N.A.	7.60
80-90	172.28	N.A.	2.10
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	8111.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.07
10-20	696.90
20-30	1090.91
30-40	1366.37
40-50	1474.79
50-60	1379.94
60-70	1074.36
70-80	618.30
80-90	172.28
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

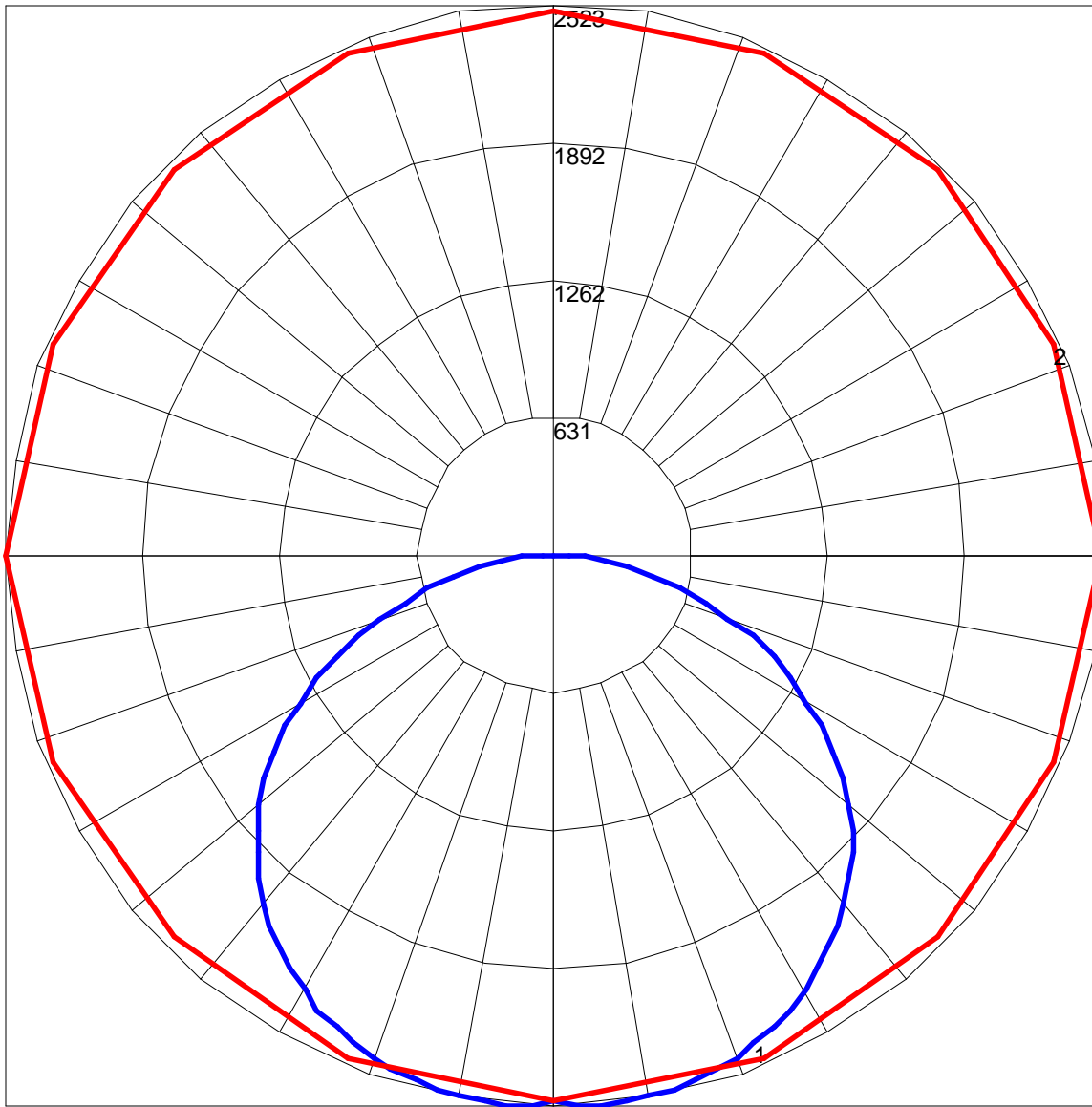
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	45	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

POLAR GRAPH



Maximum Candela = 2523.284 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)