



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-120L-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
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]S8-LED-120L-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	12098
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	81.1
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	21980	21719	21537
55	21970	21665	21407
65	21027	20613	20329
75	18521	18022	17808
85	12904	14067	13856

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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	3715.148	3715.148	3715.148	3715.148	3715.148
2.5	3759.723	3723.720	3708.290	3710.005	3723.720
5.0	3763.152	3725.435	3711.719	3715.148	3727.149
7.5	3758.009	3722.006	3706.576	3713.434	3723.720
10.0	3749.436	3713.434	3698.004	3704.862	3713.434
12.5	3735.721	3698.004	3682.574	3689.432	3698.004
15.0	3715.148	3679.145	3663.715	3667.144	3675.716
17.5	3684.288	3653.429	3637.999	3639.714	3646.571
20.0	3648.286	3619.141	3605.425	3605.425	3612.283
22.5	3605.425	3577.994	3565.994	3564.279	3571.137
25.0	3555.707	3531.705	3519.704	3516.275	3523.133
27.5	3502.560	3475.129	3468.272	3459.699	3464.843
30.0	3435.698	3411.696	3404.838	3396.266	3399.695
32.5	3367.121	3343.119	3332.832	3320.831	3325.975
35.0	3288.257	3264.256	3253.969	3238.539	3248.826
37.5	3199.108	3178.535	3166.534	3151.104	3159.676
40.0	3103.100	3084.242	3072.241	3055.096	3056.811
42.5	3000.235	2981.376	2969.375	2945.373	2952.231
45.0	2890.512	2864.796	2856.224	2827.079	2832.222
47.5	2768.788	2744.786	2734.500	2700.211	2710.498
50.0	2638.492	2616.205	2600.775	2569.916	2578.488
52.5	2497.910	2473.908	2463.621	2429.333	2436.191
55.0	2343.612	2317.896	2311.038	2280.179	2283.607
57.5	2175.599	2163.598	2148.168	2124.166	2127.595
60.0	2007.586	2000.728	1975.012	1952.724	1957.868
62.5	1834.429	1829.286	1800.141	1779.568	1774.425
65.0	1652.701	1652.701	1620.127	1592.696	1597.839
67.5	1467.543	1467.543	1434.970	1409.253	1404.110
70.0	1278.957	1278.957	1241.240	1218.953	1218.953
72.5	1081.799	1081.799	1052.654	1038.938	1037.224
75.0	891.498	881.212	867.497	860.639	857.210
77.5	697.769	689.197	682.339	682.339	685.768
80.0	519.469	514.326	516.040	519.469	512.612
82.5	353.171	354.885	363.457	361.743	363.457
85.0	209.159	217.731	228.018	221.160	224.589
87.5	94.293	102.865	111.437	106.294	109.723
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	1394.39	N.A.	11.50
0-30	3021.34	N.A.	25.00
0-40	5059.1	N.A.	41.80
0-60	9316.57	N.A.	77.00
0-80	11840.95	N.A.	97.90
0-90	12097.88	N.A.	100.00
10-90	11742.83	N.A.	97.10
20-40	3664.71	N.A.	30.30
20-50	5864.17	N.A.	48.50
40-70	5859.74	N.A.	48.40
60-80	2524.38	N.A.	20.90
70-80	922.11	N.A.	7.60
80-90	256.93	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	12097.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	355.05
10-20	1039.34
20-30	1626.95
30-40	2037.76
40-50	2199.46
50-60	2058.00
60-70	1602.27
70-80	922.11
80-90	256.93
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

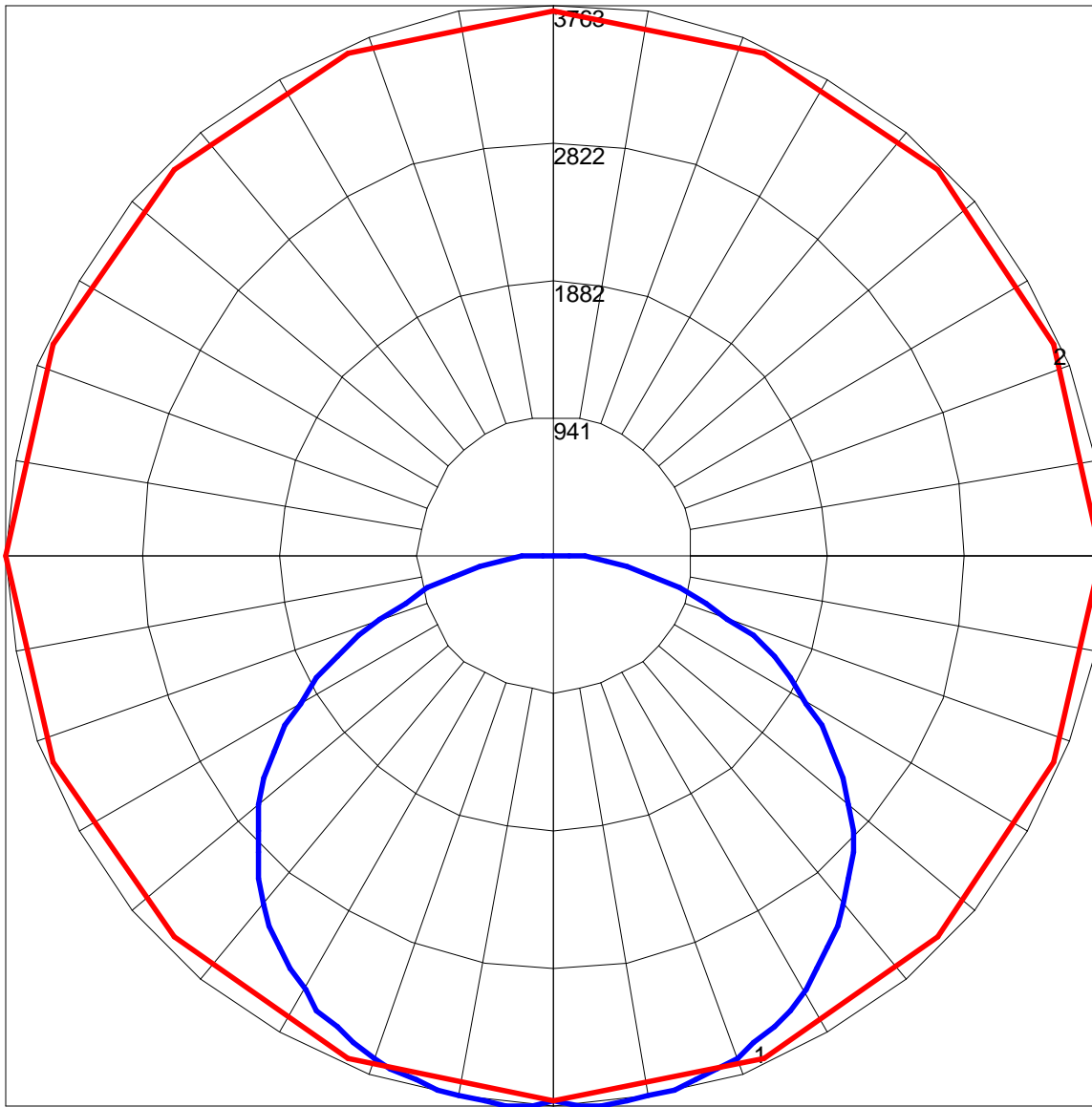
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3763.152 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.)