



IES INDOOR REPORT
PHOTOMETRIC FILENAME : S8-LED-120L-30.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-120L-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	11660
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	21184	20933	20757
55	21174	20880	20632
65	20266	19866	19593
75	17850	17370	17164
85	12437	13558	13354

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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	3580.642	3580.642	3580.642	3580.642	3580.642
2.5	3623.603	3588.904	3574.033	3575.685	3588.904
5.0	3626.908	3590.556	3577.338	3580.642	3592.209
7.5	3621.951	3587.252	3572.381	3578.990	3588.904
10.0	3613.689	3578.990	3564.119	3570.728	3578.990
12.5	3600.471	3564.119	3549.248	3555.857	3564.119
15.0	3580.642	3545.943	3531.072	3534.377	3542.638
17.5	3550.900	3521.158	3506.287	3507.939	3514.548
20.0	3516.201	3488.111	3474.892	3474.892	3481.501
22.5	3474.892	3448.454	3436.888	3435.236	3441.845
25.0	3426.974	3403.841	3392.274	3388.970	3395.579
27.5	3375.751	3349.313	3342.704	3334.442	3339.399
30.0	3311.309	3288.176	3281.567	3273.305	3276.610
32.5	3245.215	3222.082	3212.168	3200.602	3205.559
35.0	3169.207	3146.074	3136.160	3121.289	3131.203
37.5	3083.285	3063.457	3051.890	3037.019	3045.281
40.0	2990.753	2972.578	2961.011	2944.488	2946.140
42.5	2891.612	2873.437	2861.870	2838.737	2845.347
45.0	2785.862	2761.077	2752.815	2724.725	2729.682
47.5	2668.545	2645.412	2635.498	2602.451	2612.365
50.0	2542.967	2521.486	2506.615	2476.873	2485.134
52.5	2407.474	2384.341	2374.427	2341.380	2347.989
55.0	2258.762	2233.977	2227.368	2197.625	2200.930
57.5	2096.832	2085.266	2070.394	2047.262	2050.566
60.0	1934.902	1928.292	1903.507	1882.027	1886.984
62.5	1768.014	1763.057	1734.967	1715.139	1710.182
65.0	1592.865	1592.865	1561.471	1535.033	1539.990
67.5	1414.412	1414.412	1383.017	1358.232	1353.275
70.0	1232.653	1232.653	1196.301	1174.821	1174.821
72.5	1042.633	1042.633	1014.543	1001.324	999.672
75.0	859.222	849.308	836.089	829.480	826.175
77.5	672.506	664.245	657.635	657.635	660.940
80.0	500.662	495.705	497.357	500.662	494.053
82.5	340.384	342.036	350.298	348.646	350.298
85.0	201.587	209.848	219.763	213.153	216.458
87.5	90.879	99.141	107.403	102.446	105.750
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	1343.91	N.A.	11.50
0-30	2911.96	N.A.	25.00
0-40	4875.94	N.A.	41.80
0-60	8979.27	N.A.	77.00
0-80	11412.25	N.A.	97.90
0-90	11659.88	N.A.	100.00
10-90	11317.68	N.A.	97.10
20-40	3532.03	N.A.	30.30
20-50	5651.86	N.A.	48.50
40-70	5647.59	N.A.	48.40
60-80	2432.99	N.A.	20.90
70-80	888.73	N.A.	7.60
80-90	247.63	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	11659.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	342.20
10-20	1001.71
20-30	1568.05
30-40	1963.98
40-50	2119.83
50-60	1983.49
60-70	1544.26
70-80	888.73
80-90	247.63
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

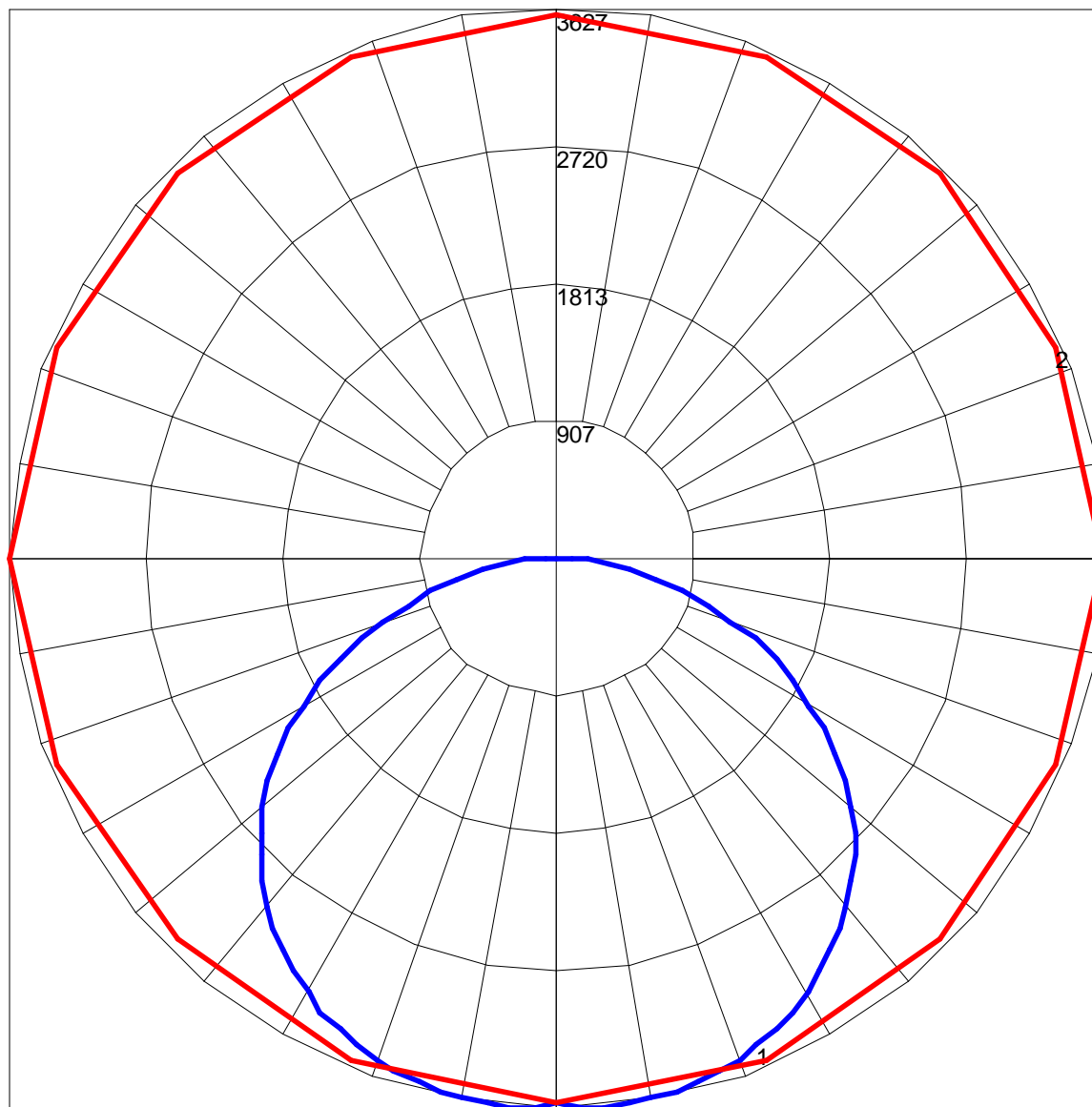
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3626.908 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.)