



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-18L-SDFL-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8608R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]02/23/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB11-LED-18L-SDFL-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	16286
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	131
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15982	15872	15334
55	14790	14611	13997
65	13404	13162	12416
75	11996	11474	10651
85	11796	8883	7285

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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	5896.572	5896.572	5896.572	5896.572	5896.572
2.5	5890.986	5945.454	5923.108	5895.175	5886.796
5.0	5890.986	5944.057	5918.918	5888.192	5877.019
7.5	5879.813	5931.488	5904.952	5868.639	5857.466
10.0	5854.673	5903.555	5874.226	5835.120	5819.757
12.5	5808.584	5857.466	5828.137	5782.048	5768.082
15.0	5748.529	5796.015	5765.289	5716.407	5696.854
17.5	5681.491	5723.390	5687.078	5638.196	5614.453
20.0	5593.503	5635.402	5592.107	5537.638	5515.292
22.5	5491.549	5529.258	5481.773	5423.114	5396.579
25.0	5371.439	5403.562	5356.076	5293.228	5265.295
27.5	5237.363	5263.899	5217.810	5146.582	5118.649
30.0	5073.957	5096.303	5061.387	4985.969	4956.640
32.5	4904.965	4921.724	4884.015	4811.391	4779.268
35.0	4712.230	4735.972	4692.677	4621.449	4590.723
37.5	4515.305	4536.254	4491.562	4413.351	4386.815
40.0	4305.810	4326.760	4276.481	4195.477	4163.354
42.5	4082.350	4103.299	4055.814	3967.826	3941.290
45.0	3853.302	3870.062	3826.766	3738.779	3696.880
47.5	3622.858	3634.031	3586.546	3504.145	3462.246
50.0	3388.224	3398.001	3350.515	3262.528	3223.422
52.5	3134.038	3146.607	3099.122	3020.911	2977.615
55.0	2892.421	2892.421	2857.505	2782.087	2737.395
57.5	2635.441	2649.407	2611.698	2543.263	2495.778
60.0	2402.204	2406.394	2365.891	2298.853	2245.781
62.5	2167.570	2173.156	2131.257	2068.409	2016.734
65.0	1931.539	1941.316	1896.624	1829.585	1789.083
67.5	1716.458	1717.855	1671.766	1606.125	1557.243
70.0	1491.601	1494.394	1437.132	1382.664	1344.955
72.5	1263.950	1272.330	1222.051	1175.963	1141.047
75.0	1058.646	1047.473	1012.557	969.261	939.932
77.5	853.341	850.548	812.839	763.957	740.214
80.0	673.176	657.813	620.104	572.618	548.876
82.5	498.597	477.647	437.145	388.263	361.727
85.0	350.554	319.828	263.963	219.271	216.478
87.5	212.288	164.802	117.317	104.747	99.161
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	2185.53	N.A.	13.40
0-30	4645.74	N.A.	28.50
0-40	7567.08	N.A.	46.50
0-60	13036.78	N.A.	80.10
0-80	15973.34	N.A.	98.10
0-90	16285.76	N.A.	100.00
10-90	15723.23	N.A.	96.50
20-40	5381.55	N.A.	33.00
20-50	8314.21	N.A.	51.10
40-70	7336.81	N.A.	45.10
60-80	2936.56	N.A.	18.00
70-80	1069.45	N.A.	6.60
80-90	312.41	N.A.	1.90
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	16285.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	562.53
10-20	1623.00
20-30	2460.21
30-40	2921.34
40-50	2932.65
50-60	2537.05
60-70	1867.11
70-80	1069.45
80-90	312.41
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

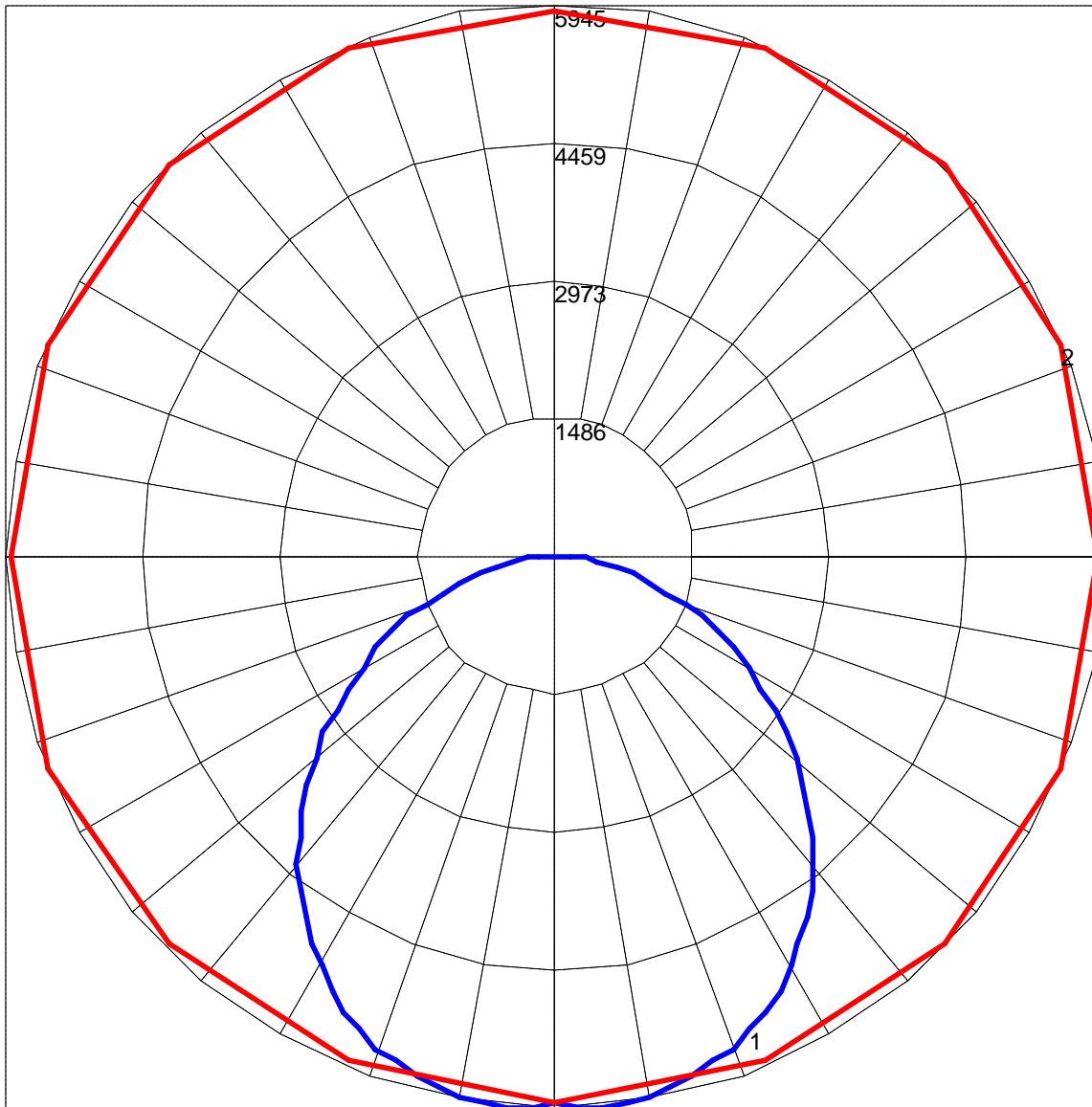
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	91	80	72	66	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 5945.454 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)