



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-24L-SDFL-35.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-24L-SDFL-35
[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	19881
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	152
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	19510	19376	18718
55	18054	17837	17087
65	16363	16067	15156
75	14644	14007	13002
85	14400	10843	8893

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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	7198.172	7198.172	7198.172	7198.172	7198.172
2.5	7191.353	7257.845	7230.566	7196.468	7186.238
5.0	7191.353	7256.140	7225.451	7187.943	7174.304
7.5	7177.713	7240.795	7208.402	7164.074	7150.435
10.0	7147.025	7206.697	7170.894	7123.156	7104.402
12.5	7090.763	7150.435	7114.631	7058.369	7041.320
15.0	7017.451	7075.418	7037.910	6978.238	6954.369
17.5	6935.615	6986.762	6942.434	6882.762	6853.779
20.0	6828.205	6879.352	6826.500	6760.008	6732.729
22.5	6703.746	6749.778	6691.811	6620.205	6587.811
25.0	6557.123	6596.336	6538.368	6461.647	6427.549
27.5	6393.450	6425.844	6369.581	6282.630	6248.532
30.0	6193.975	6221.253	6178.630	6086.565	6050.761
32.5	5987.679	6008.138	5962.105	5873.450	5834.236
35.0	5752.400	5781.384	5728.531	5641.580	5604.072
37.5	5512.007	5537.580	5483.023	5387.547	5355.154
40.0	5256.269	5281.842	5220.465	5121.580	5082.367
42.5	4983.481	5009.055	4951.088	4843.678	4811.284
45.0	4703.874	4724.333	4671.481	4564.071	4512.923
47.5	4422.563	4436.202	4378.235	4277.644	4226.497
50.0	4136.136	4148.070	4090.103	3982.693	3934.955
52.5	3825.841	3841.185	3783.218	3687.742	3634.890
55.0	3530.889	3530.889	3488.266	3396.201	3341.643
57.5	3217.184	3234.233	3188.201	3104.659	3046.692
60.0	2932.462	2937.577	2888.135	2806.298	2741.511
62.5	2646.036	2652.856	2601.708	2524.987	2461.905
65.0	2357.904	2369.839	2315.281	2233.445	2184.003
67.5	2095.347	2097.052	2040.789	1960.658	1900.986
70.0	1820.855	1824.264	1754.363	1687.871	1641.838
72.5	1542.953	1553.182	1491.805	1435.543	1392.920
75.0	1292.329	1278.690	1236.067	1183.215	1147.411
77.5	1041.706	1038.296	992.263	932.591	903.608
80.0	821.771	803.017	756.985	699.017	670.034
82.5	608.656	583.083	533.640	473.968	441.574
85.0	427.935	390.427	322.230	267.672	264.263
87.5	259.148	201.181	143.213	127.869	121.049
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	2667.96	N.A.	13.40
0-30	5671.24	N.A.	28.50
0-40	9237.43	N.A.	46.50
0-60	15914.5	N.A.	80.10
0-80	19499.27	N.A.	98.10
0-90	19880.65	N.A.	100.00
10-90	19193.95	N.A.	96.50
20-40	6569.47	N.A.	33.00
20-50	10149.47	N.A.	51.10
40-70	8956.32	N.A.	45.10
60-80	3584.77	N.A.	18.00
70-80	1305.52	N.A.	6.60
80-90	381.38	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	19880.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	686.70
10-20	1981.26
20-30	3003.28
30-40	3566.19
40-50	3580.00
50-60	3097.07
60-70	2279.25
70-80	1305.52
80-90	381.38
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

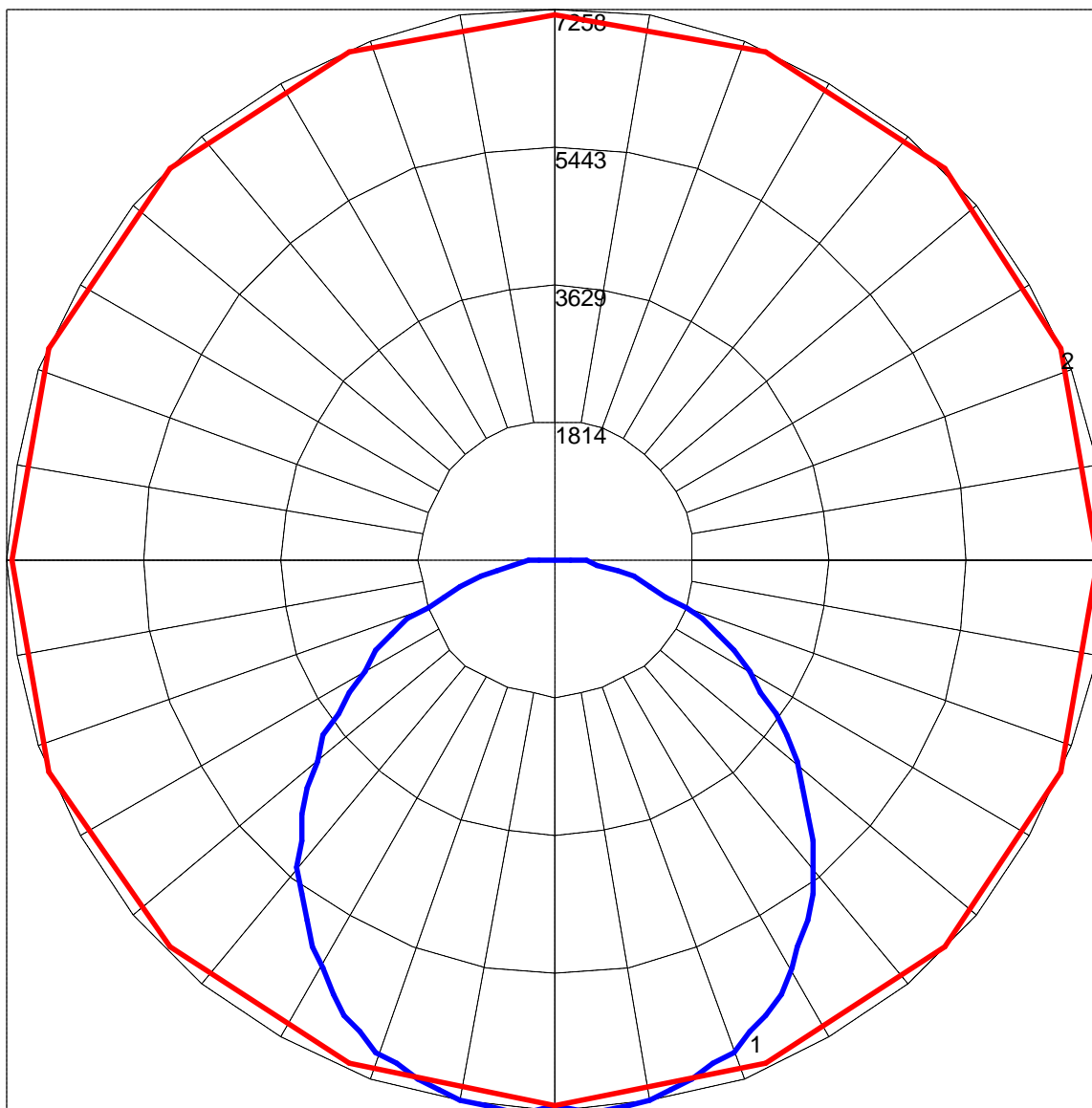
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 7257.845 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.)