



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-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-30L-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	25901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	213
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	25418	25243	24386
55	23521	23237	22261
65	21318	20933	19746
75	19079	18248	16939
85	18761	14127	11585

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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	9377.780	9377.780	9377.780	9377.780	9377.780
2.5	9368.895	9455.520	9419.982	9375.558	9362.231
5.0	9368.895	9453.299	9413.318	9364.453	9346.683
7.5	9351.125	9433.309	9391.107	9333.356	9315.587
10.0	9311.144	9388.885	9342.241	9280.048	9255.615
12.5	9237.846	9315.587	9268.942	9195.644	9173.432
15.0	9142.336	9217.855	9168.990	9091.249	9060.152
17.5	9035.719	9102.354	9044.604	8966.863	8929.103
20.0	8895.786	8962.421	8893.564	8806.939	8771.400
22.5	8733.640	8793.612	8718.092	8624.803	8582.601
25.0	8542.620	8593.707	8518.187	8418.234	8373.811
27.5	8329.387	8371.590	8298.291	8185.011	8140.588
30.0	8069.510	8105.049	8049.520	7929.577	7882.932
32.5	7800.749	7827.403	7767.431	7651.930	7600.844
35.0	7494.227	7531.987	7463.131	7349.851	7300.986
37.5	7181.042	7214.360	7143.283	7018.897	6976.695
40.0	6847.867	6881.185	6801.222	6672.395	6621.308
42.5	6492.480	6525.797	6450.278	6310.344	6268.142
45.0	6128.208	6154.862	6086.006	5946.072	5879.437
47.5	5761.715	5779.484	5703.964	5572.915	5506.280
50.0	5388.558	5404.106	5328.587	5188.653	5126.460
52.5	4984.305	5004.296	4928.776	4804.391	4735.534
55.0	4600.043	4600.043	4544.514	4424.571	4353.493
57.5	4191.348	4213.559	4153.588	4044.750	3969.231
60.0	3820.412	3827.076	3762.662	3656.046	3571.641
62.5	3447.256	3456.140	3389.505	3289.553	3207.369
65.0	3071.878	3087.426	3016.349	2909.733	2845.319
67.5	2729.818	2732.039	2658.740	2554.345	2476.604
70.0	2372.210	2376.652	2285.584	2198.958	2138.987
72.5	2010.159	2023.486	1943.524	1870.225	1814.696
75.0	1683.647	1665.877	1610.348	1541.492	1494.847
77.5	1357.135	1352.692	1292.721	1214.980	1177.220
80.0	1070.604	1046.171	986.199	910.680	872.920
82.5	792.958	759.640	695.226	617.485	575.283
85.0	557.514	508.648	419.801	348.724	344.281
87.5	337.618	262.098	186.578	166.588	157.703
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	3475.82	N.A.	13.40
0-30	7388.49	N.A.	28.50
0-40	12034.52	N.A.	46.50
0-60	20733.41	N.A.	80.10
0-80	25403.65	N.A.	98.10
0-90	25900.51	N.A.	100.00
10-90	25005.88	N.A.	96.50
20-40	8558.7	N.A.	33.00
20-50	13222.73	N.A.	51.10
40-70	11668.3	N.A.	45.10
60-80	4670.24	N.A.	18.00
70-80	1700.83	N.A.	6.60
80-90	496.86	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	25900.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	894.63
10-20	2581.19
20-30	3912.67
30-40	4646.03
40-50	4664.03
50-60	4034.86
60-70	2969.41
70-80	1700.83
80-90	496.86
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

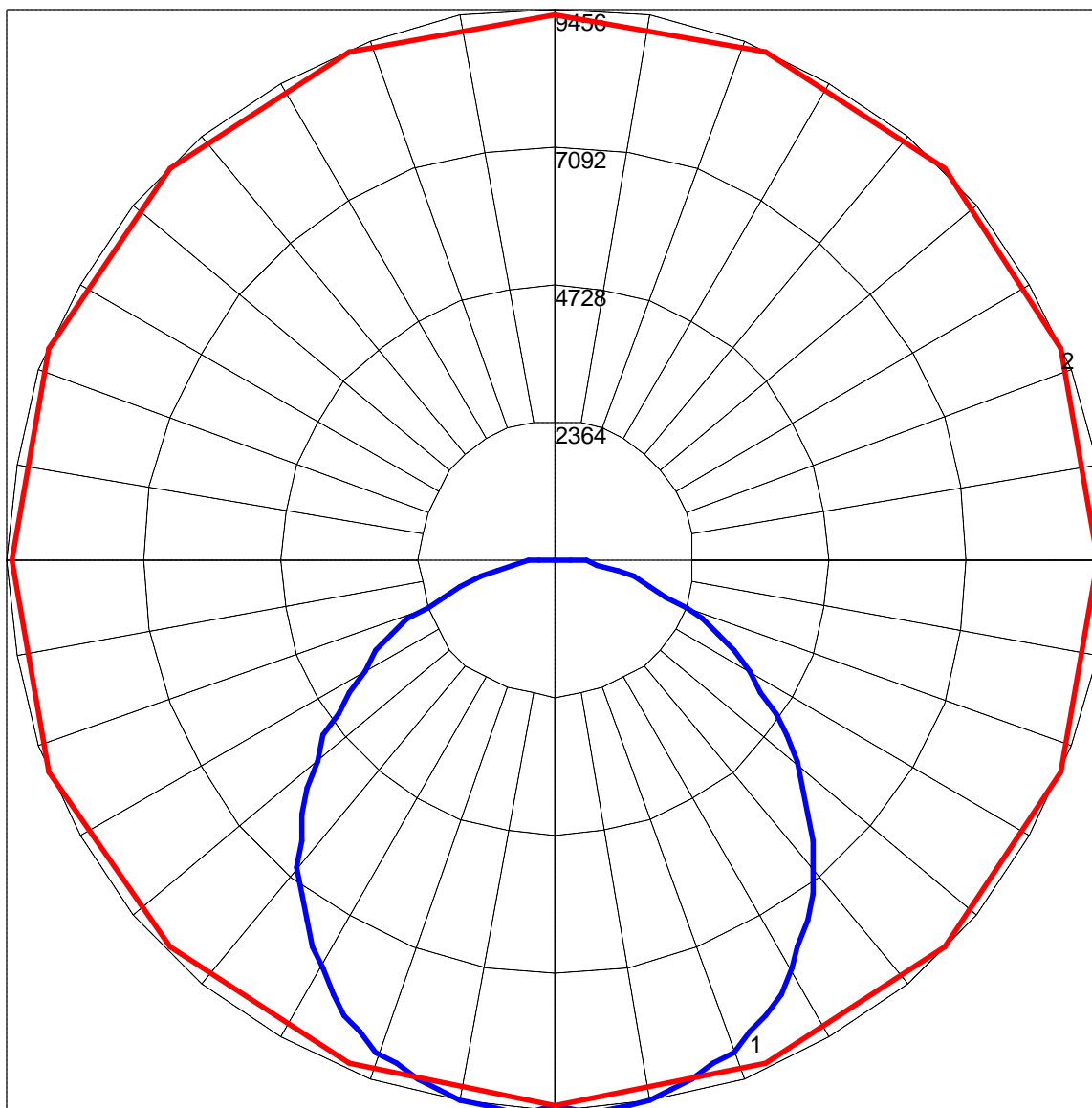
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 9455.52 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.)