



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-30L-LL-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8606R_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-LL-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	28637
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	213
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.50
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	29330	29412	29076
55	29419	29609	29340
65	28853	29384	21556
75	25786	9933	4161
85	18463	7062	6841

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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	9143.745	9143.745	9143.745	9143.745	9143.745
2.5	9141.559	9209.323	9178.720	9139.373	9121.886
5.0	9145.931	9213.695	9180.906	9137.187	9117.514
7.5	9139.373	9211.509	9176.534	9132.816	9106.584
10.0	9119.700	9194.022	9156.861	9110.956	9082.539
12.5	9084.725	9159.047	9119.700	9071.610	9043.192
15.0	9034.449	9115.328	9073.795	9021.333	8990.730
17.5	8975.429	9054.122	9014.775	8955.755	8927.338
20.0	8890.177	8977.615	8936.082	8874.876	8846.459
22.5	8798.368	8877.062	8842.087	8776.509	8748.092
25.0	8684.700	8767.765	8728.419	8662.841	8634.424
27.5	8546.986	8634.424	8599.449	8529.499	8505.454
30.0	8398.343	8487.966	8452.991	8374.298	8348.067
32.5	8227.841	8313.092	8278.117	8199.423	8173.192
35.0	8037.665	8118.544	8085.755	7998.318	7980.830
37.5	7827.815	7906.509	7873.720	7788.469	7762.237
40.0	7593.921	7670.428	7628.896	7552.388	7530.529
42.5	7342.539	7416.861	7373.142	7294.448	7279.147
45.0	7071.484	7137.061	7091.157	7025.579	7010.278
47.5	6780.755	6839.775	6793.870	6734.850	6723.921
50.0	6457.237	6514.071	6485.654	6431.006	6417.891
52.5	6124.976	6168.694	6138.091	6094.373	6094.373
55.0	5753.368	5816.760	5790.529	5753.368	5738.066
57.5	5383.946	5449.524	5429.850	5397.061	5379.574
60.0	4994.850	5062.614	5049.498	5007.966	4918.343
62.5	4583.895	4653.845	4651.659	4406.835	3930.302
65.0	4157.639	4231.961	4234.146	3480.001	3106.207
67.5	3711.709	3783.845	3775.101	2599.071	1976.081
70.0	3237.362	3300.754	2870.126	1394.623	957.437
72.5	2747.714	2828.593	2011.056	738.844	424.070
75.0	2275.553	2360.804	876.558	351.935	367.236
77.5	1794.649	1888.644	362.864	345.377	356.307
80.0	1348.719	1145.427	281.985	321.332	334.447
82.5	926.834	397.839	262.312	281.985	284.171
85.0	548.668	183.618	209.849	207.663	203.291
87.5	244.824	131.156	118.040	118.040	120.226
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	3434.95	N.A.	12.00
0-30	7450.88	N.A.	26.00
0-40	12490.74	N.A.	43.60
0-60	23106.18	N.A.	80.70
0-80	28339.86	N.A.	99.00
0-90	28637.05	N.A.	100.00
10-90	27762.89	N.A.	96.90
20-40	9055.79	N.A.	31.60
20-50	14510.98	N.A.	50.70
40-70	14409.7	N.A.	50.30
60-80	5233.68	N.A.	18.30
70-80	1439.42	N.A.	5.00
80-90	297.19	N.A.	1.00
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	28637.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	874.16
10-20	2560.79
20-30	4015.93
30-40	5039.86
40-50	5455.19
50-60	5160.25
60-70	3794.26
70-80	1439.42
80-90	297.19
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

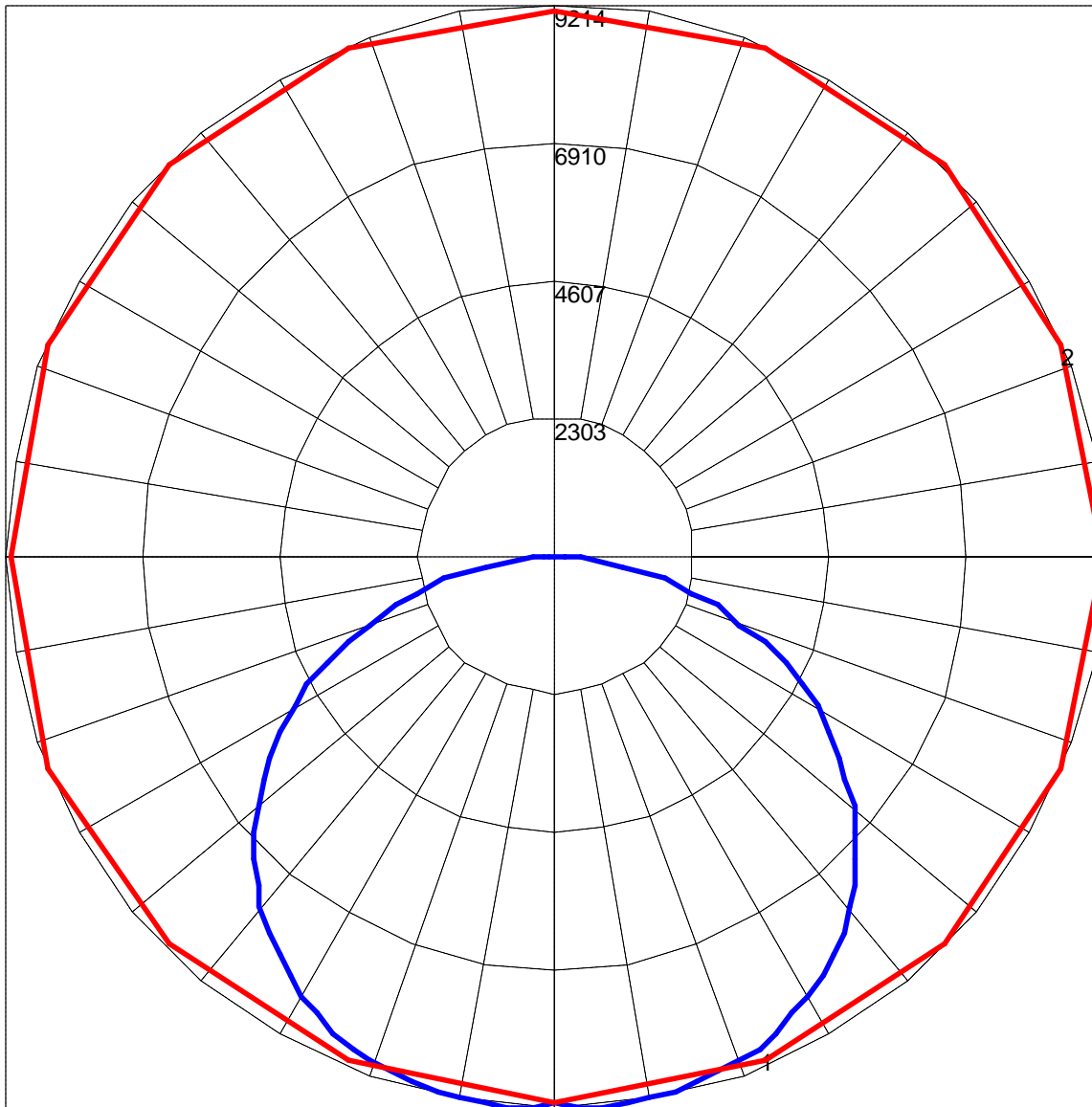
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 9213.695 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)