



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-36L-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_LHB14-LED-36L-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	34030
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	278
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	33396	33166	32041
55	30904	30531	29248
65	28010	27503	25944
75	25067	23976	22256
85	24650	18561	15222

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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	12321.358	12321.358	12321.358	12321.358	12321.358
2.5	12309.685	12423.501	12376.807	12318.440	12300.930
5.0	12309.685	12420.583	12368.052	12303.848	12280.501
7.5	12286.338	12394.317	12338.868	12262.991	12239.644
10.0	12233.807	12335.950	12274.664	12192.950	12160.848
12.5	12137.501	12239.644	12178.358	12082.052	12052.868
15.0	12012.011	12111.236	12047.031	11944.888	11904.031
17.5	11871.929	11959.480	11883.603	11781.460	11731.847
20.0	11688.072	11775.623	11685.154	11571.337	11524.643
22.5	11475.031	11553.827	11454.602	11332.031	11276.582
25.0	11224.051	11291.174	11191.949	11060.622	11002.255
27.5	10943.888	10999.337	10903.030	10754.193	10695.826
30.0	10602.438	10649.132	10576.173	10418.581	10357.295
32.5	10249.315	10284.336	10205.540	10053.785	9986.662
35.0	9846.580	9896.193	9805.723	9656.886	9592.682
37.5	9435.090	9478.866	9385.478	9222.049	9166.600
40.0	8997.335	9041.110	8936.049	8766.784	8699.661
42.5	8530.396	8574.171	8474.947	8291.089	8235.640
45.0	8051.783	8086.803	7996.334	7812.477	7724.925
47.5	7570.252	7593.599	7494.374	7322.190	7234.639
50.0	7079.966	7100.394	7001.170	6817.312	6735.598
52.5	6548.822	6575.088	6475.863	6312.434	6221.965
55.0	6043.944	6043.944	5970.985	5813.393	5720.005
57.5	5506.964	5536.148	5457.352	5314.352	5215.127
60.0	5019.596	5028.352	4943.719	4803.637	4692.739
62.5	4529.310	4540.984	4453.433	4322.106	4214.126
65.0	4036.106	4056.534	3963.146	3823.065	3738.432
67.5	3586.677	3589.595	3493.289	3356.126	3253.983
70.0	3116.819	3122.656	3003.003	2889.186	2810.390
72.5	2641.125	2658.635	2553.574	2457.268	2384.308
75.0	2212.124	2188.778	2115.818	2025.349	1964.063
77.5	1783.124	1777.287	1698.491	1596.348	1546.736
80.0	1406.654	1374.552	1295.756	1196.532	1146.919
82.5	1041.858	998.083	913.450	811.307	755.858
85.0	732.511	668.307	551.572	458.184	452.347
87.5	443.592	344.368	245.143	218.878	207.204
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	4566.84	N.A.	13.40
0-30	9707.65	N.A.	28.50
0-40	15812.02	N.A.	46.50
0-60	27241.4	N.A.	80.10
0-80	33377.57	N.A.	98.10
0-90	34030.39	N.A.	100.00
10-90	32854.94	N.A.	96.50
20-40	11245.18	N.A.	33.00
20-50	17373.2	N.A.	51.10
40-70	15330.85	N.A.	45.10
60-80	6136.18	N.A.	18.00
70-80	2234.7	N.A.	6.60
80-90	652.82	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	34030.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1175.45
10-20	3391.39
20-30	5140.82
30-40	6104.37
40-50	6128.01
50-60	5301.36
60-70	3901.47
70-80	2234.7
80-90	652.82
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

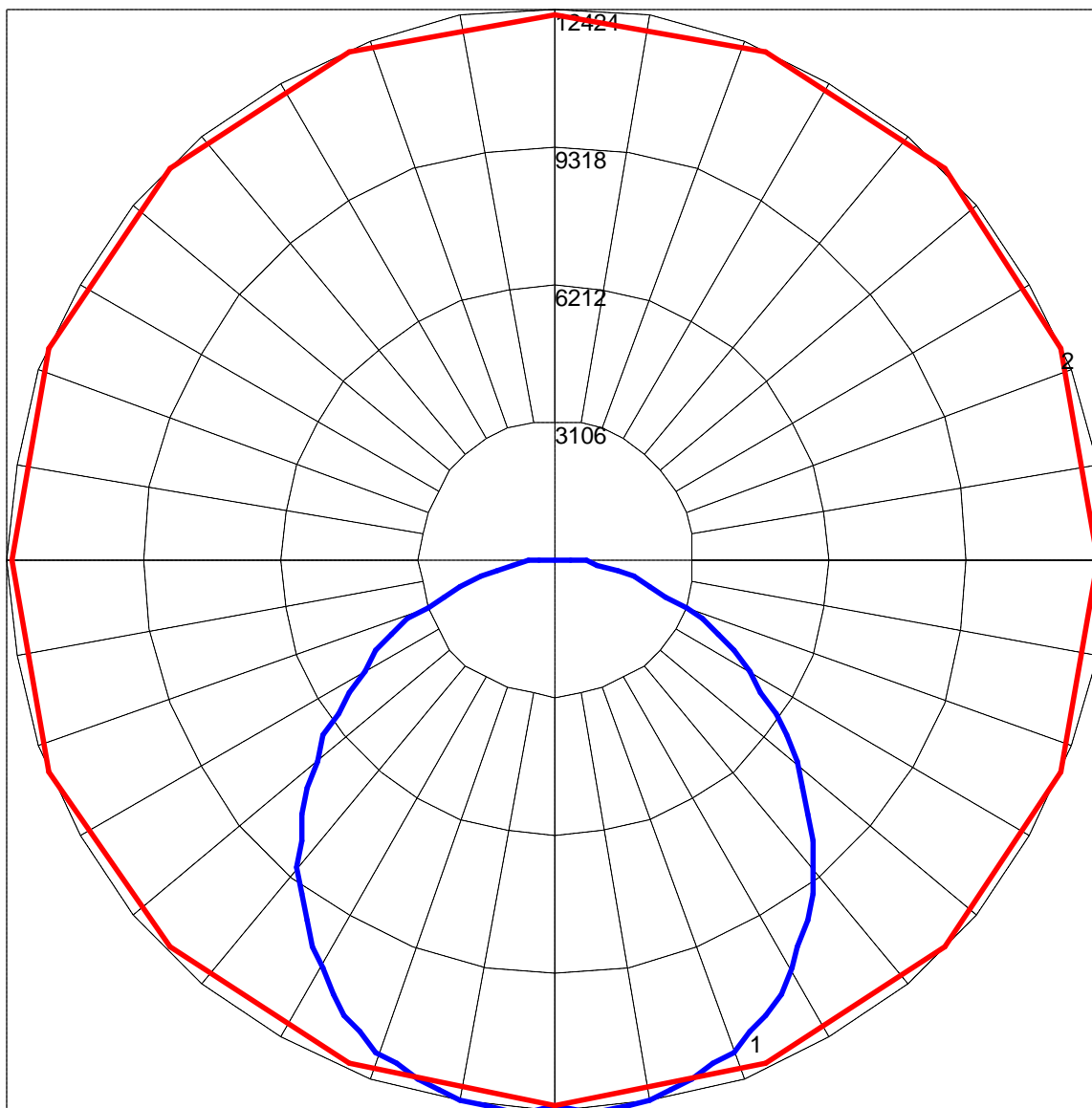
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	42	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 = 12423.501 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.)