



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD14-LED-48L-S-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8707R_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]05/02/17
[TEST DATE]03/17/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB14-LED-48L-S-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	44654
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	379
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.48
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	46801	46801	46252
55	45450	45563	44792
65	41413	40340	31251
75	29975	20095	12215
85	15475	9161	8295

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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	14797.220	14797.220	14797.220	14797.220	14797.220
2.5	14749.392	14914.950	14863.443	14804.578	14782.503
5.0	14775.145	14922.308	14856.085	14789.861	14764.108
7.5	14771.466	14907.592	14834.010	14753.071	14734.675
10.0	14753.071	14874.480	14804.578	14723.638	14716.280
12.5	14712.601	14819.294	14756.750	14686.847	14668.452
15.0	14639.020	14742.033	14683.168	14613.266	14587.513
17.5	14547.043	14639.020	14602.229	14502.894	14488.178
20.0	14414.596	14506.573	14484.499	14366.768	14329.978
22.5	14260.075	14348.373	14322.619	14201.210	14175.457
25.0	14087.159	14164.419	14127.629	14002.540	13980.466
27.5	13862.736	13951.033	13888.489	13778.117	13756.043
30.0	13619.917	13704.536	13641.992	13524.261	13480.112
32.5	13325.592	13417.568	13358.703	13222.578	13182.108
35.0	12998.154	13086.452	13031.266	12880.424	12850.991
37.5	12619.210	12711.187	12663.359	12516.196	12483.084
40.0	12210.833	12291.773	12236.587	12111.498	12104.140
42.5	11769.345	11846.605	11773.024	11684.726	11662.652
45.0	11283.708	11353.610	11283.708	11195.410	11151.261
47.5	10735.526	10812.787	10768.638	10647.229	10625.154
50.0	10165.270	10242.531	10194.703	10069.615	10065.936
52.5	9528.791	9631.805	9572.940	9455.210	9447.852
55.0	8888.633	8987.968	8910.708	8792.977	8759.866
57.5	8193.289	8299.982	8215.363	8060.842	7987.261
60.0	7486.907	7571.526	7479.549	7207.298	6993.912
62.5	6725.340	6828.354	6695.907	6213.949	5779.819
65.0	5967.452	6029.996	5812.931	4970.424	4503.182
67.5	5113.907	5158.056	4830.619	3771.047	3263.335
70.0	4289.796	4282.437	3726.898	2645.251	2236.875
72.5	3425.214	3439.930	2656.289	1795.386	1548.888
75.0	2645.251	2626.856	1773.312	1225.130	1077.968
77.5	1920.475	1868.968	1166.265	849.865	783.642
80.0	1306.070	1199.377	746.851	588.651	562.898
82.5	809.395	691.665	467.242	393.660	378.944
85.0	459.884	371.586	272.251	250.177	246.498
87.5	224.423	165.558	139.805	132.447	136.126
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	5560.09	N.A.	12.50
0-30	12055.62	N.A.	27.00
0-40	20174.64	N.A.	45.20
0-60	36754.99	N.A.	82.30
0-80	44262.88	N.A.	99.10
0-90	44653.65	N.A.	100.00
10-90	43239.55	N.A.	96.80
20-40	14614.54	N.A.	32.70
20-50	23290.4	N.A.	52.20
40-70	21996.00	N.A.	49.30
60-80	7507.89	N.A.	16.80
70-80	2092.25	N.A.	4.70
80-90	390.77	N.A.	0.90
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	44653.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1414.11
10-20	4145.99
20-30	6495.53
30-40	8119.02
40-50	8675.85
50-60	7904.5
60-70	5415.65
70-80	2092.25
80-90	390.77
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

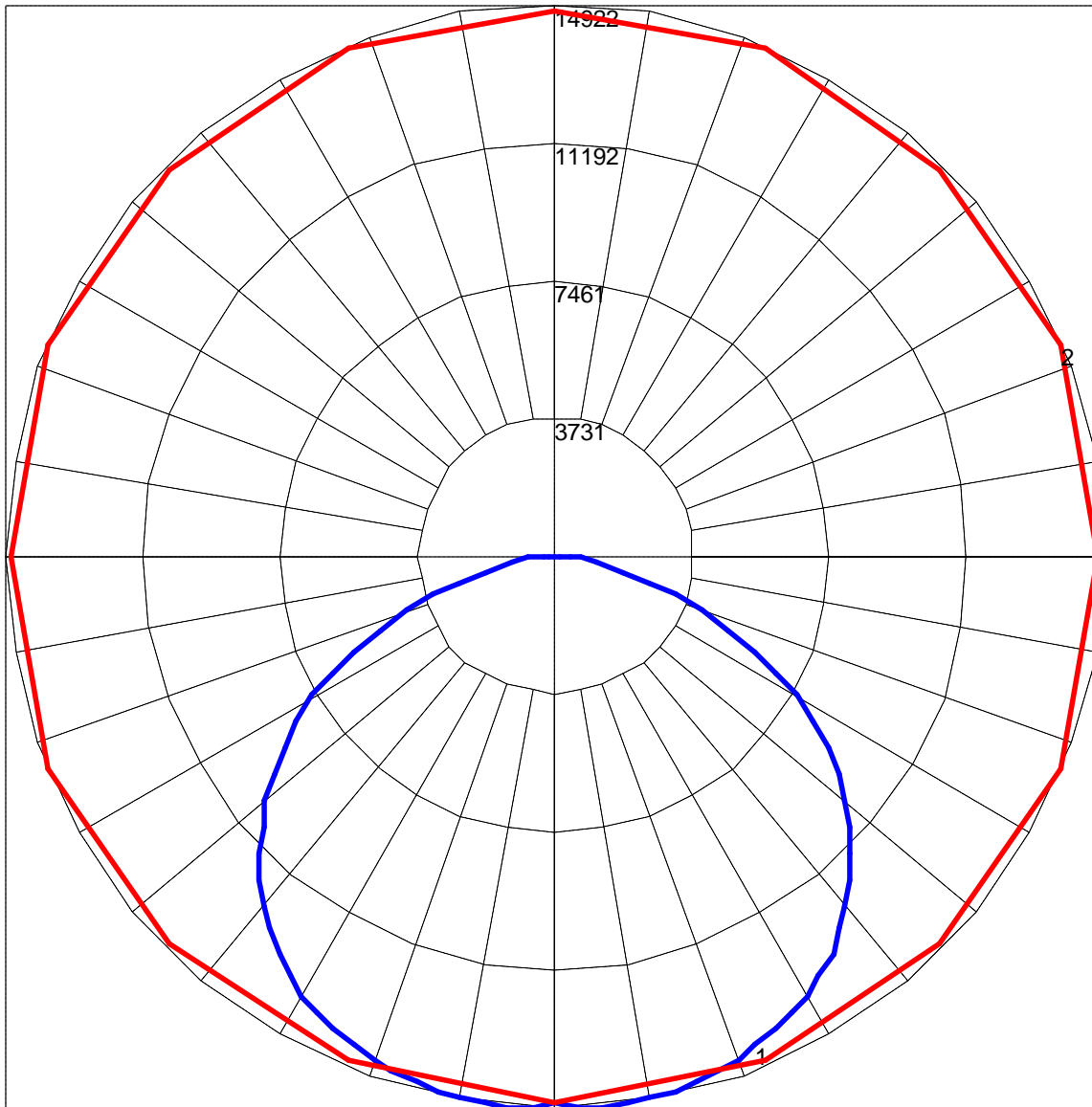
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 14922.308 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.)