



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LHBXD11-LED-12L-SDFL-35.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-8608R
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/23/17
[TEST DATE]02/23/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]LHBXD_LHB11-LED-12L-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	11661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	89
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	11443	11365	10979
55	10590	10462	10022
65	9598	9424	8890
75	8589	8215	7626
85	8446	6360	5216

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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	4222	4222	4222	4222	4222
2.5	4218	4257	4241	4221	4215
5.0	4218	4256	4238	4216	4208
7.5	4210	4247	4228	4202	4194
10.0	4192	4227	4206	4178	4167
12.5	4159	4194	4173	4140	4130
15.0	4116	4150	4128	4093	4079
17.5	4068	4098	4072	4037	4020
20.0	4005	4035	4004	3965	3949
22.5	3932	3959	3925	3883	3864
25.0	3846	3869	3835	3790	3770
27.5	3750	3769	3736	3685	3665
30.0	3633	3649	3624	3570	3549
32.5	3512	3524	3497	3445	3422
35.0	3374	3391	3360	3309	3287
37.5	3233	3248	3216	3160	3141
40.0	3083	3098	3062	3004	2981
42.5	2923	2938	2904	2841	2822
45.0	2759	2771	2740	2677	2647
47.5	2594	2602	2568	2509	2479
50.0	2426	2433	2399	2336	2308
52.5	2244	2253	2219	2163	2132
55.0	2071	2071	2046	1992	1960
57.5	1887	1897	1870	1821	1787
60.0	1720	1723	1694	1646	1608
62.5	1552	1556	1526	1481	1444
65.0	1383	1390	1358	1310	1281
67.5	1229	1230	1197	1150	1115
70.0	1068	1070	1029	990	963
72.5	905	911	875	842	817
75.0	758	750	725	694	673
77.5	611	609	582	547	530
80.0	482	471	444	410	393
82.5	357	342	313	278	259
85.0	251	229	189	157	155
87.5	152	118	84	75	71
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1564.86	N.A.	13.40
0-30	3326.4	N.A.	28.50
0-40	5418.1	N.A.	46.50
0-60	9334.46	N.A.	80.10
0-80	11437.06	N.A.	98.10
0-90	11660.75	N.A.	100.00
10-90	11257.97	N.A.	96.50
20-40	3853.24	N.A.	33.00
20-50	5953.05	N.A.	51.10
40-70	5253.22	N.A.	45.10
60-80	2102.6	N.A.	18.00
70-80	765.74	N.A.	6.60
80-90	223.69	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	11660.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	402.78
10-20	1162.08
20-30	1761.54
30-40	2091.7
40-50	2099.81
50-60	1816.55
60-70	1336.87
70-80	765.74
80-90	223.69
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

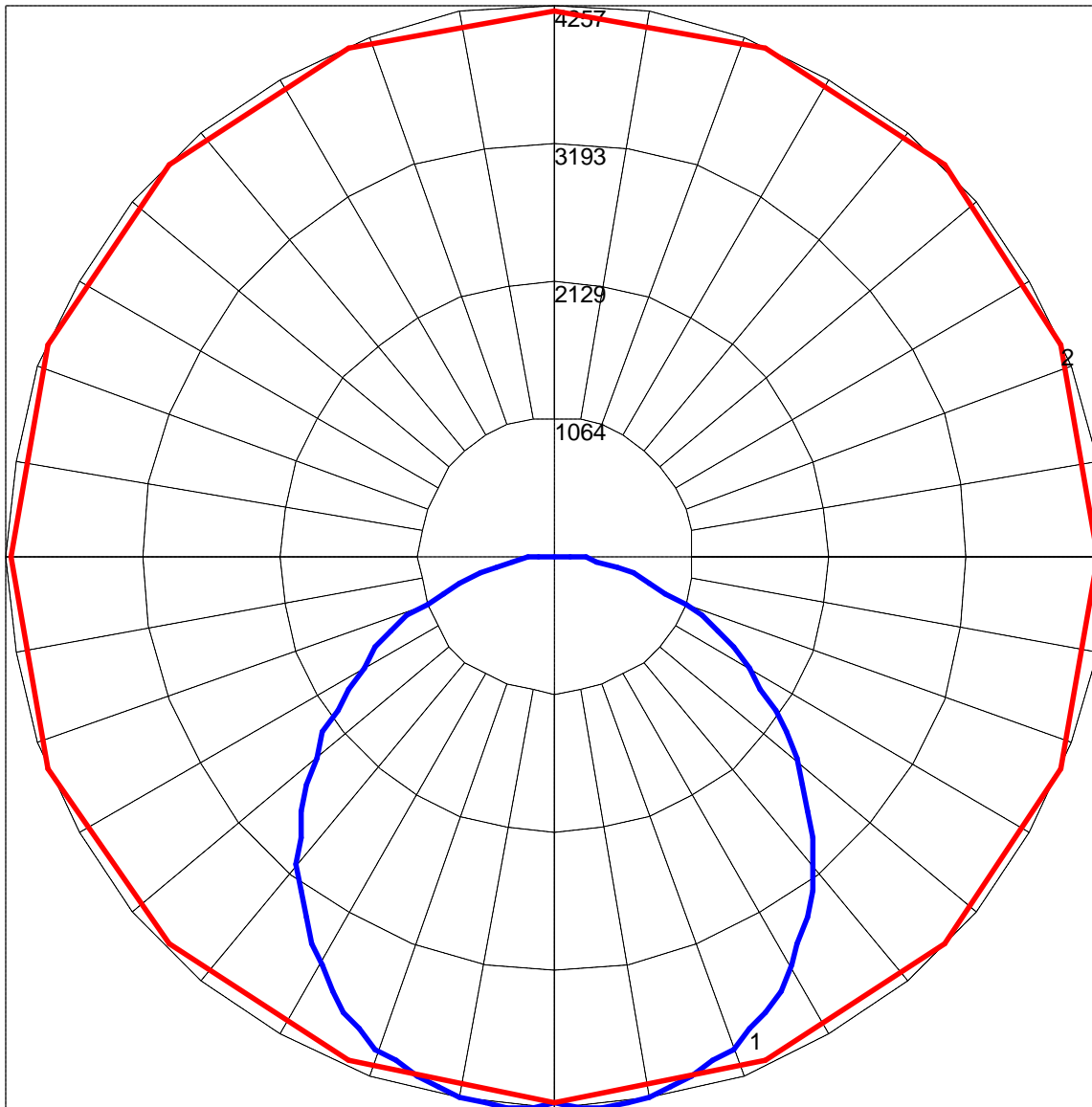
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4257 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.)