



IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-3-LED-HO-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5072
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]01/27/14
[TEST DATE]01/27/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XGBM-3-LED-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	26754
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	300.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15309
Maximum Candela Angle	55H 55V
Maximum Candela (<90 Degrees Vertical)	15309
Maximum Candela Angle (<90 Degrees Vertical)	55H 55V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2232 (8.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3526.4	N.A.	13.2
FM - Front-Medium (30-60)	12473.2	N.A.	46.6
FH - Front-High (60-80)	5057.0	N.A.	18.9
FVH - Front-Very High (80-90)	138.5	N.A.	0.5
BL - Back-Low (0-30)	2082.5	N.A.	7.8
BM - Back-Medium (30-60)	2548.4	N.A.	9.5
BH - Back-High (60-80)	895.5	N.A.	3.3
BVH - Back-Very High (80-90)	32.7	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	26754.2	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>52.5</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	6120	6120	6120	6120	6120	6120	6120	6120	6120	6120
2.5	6109	6072	6080	6073	6097	6136	6138	6134	6171	6162
5.0	6010	5982	6027	6089	6204	6349	6428	6440	6566	6627
7.5	6028	5996	6100	6249	6466	6691	6820	6863	7085	7227
10.0	6274	6246	6434	6679	6944	7186	7321	7359	7580	7713
12.5	6731	6730	6977	7274	7537	7729	7833	7900	8016	8123
15.0	7251	7254	7651	8043	8268	8279	8241	8248	8222	8321
17.5	7670	7729	8240	8651	8784	8673	8438	8409	8361	8438
20.0	8176	8245	9007	9562	9478	8863	8530	8469	8439	8413
22.5	8297	8399	9387	10083	10048	9414	8522	8394	8058	7961
25.0	8388	8517	9673	10456	10321	9710	8740	8421	7558	7501
27.5	8325	8540	9960	10812	10655	10159	9207	8873	7512	7154
30.0	8348	8643	10274	11037	11017	10550	9722	9435	7820	7061
32.5	8371	8782	10667	11326	10869	10602	10197	9966	8386	7352
35.0	8578	9021	10896	11471	10591	10398	10342	10320	9147	7859
37.5	8722	9181	10889	10983	10531	10172	10389	10565	10066	8606
40.0	8824	9337	10924	10813	10741	10431	10465	10706	11120	9775
42.5	9355	9863	11038	10960	11087	11110	10855	11088	12230	10887
45.0	9976	10556	11383	11114	11402	11967	11695	11804	13072	11589
47.5	10568	11165	11766	11360	11701	12909	12735	12716	13367	11799
50.0	10381	10997	11746	11613	12033	13645	13933	13794	13381	12482
52.5	9394	10006	10575	11191	12170	13719	14639	14604	13643	12102
55.0	9016	9491	9639	10020	11765	13735	15228	15309	13093	11700
57.5	7033	7362	7841	8961	10784	13502	14476	14618	13098	11836
60.0	5896	6106	5983	6928	9491	12338	13613	14026	13042	10976
62.5	3762	3826	4335	5611	7466	10594	12375	12540	12167	10897
65.0	2362	2283	2361	3477	6117	8506	10471	10776	11968	11022
67.5	1384	1281	1625	2374	3703	7039	8804	9516	10749	9782
70.0	299	283	355	1049	2633	5663	7796	8048	9007	9303
72.5	208	207	260	411	1541	4387	6124	6613	7825	7663
75.0	150	156	205	335	1161	3419	4705	5000	5856	5862
77.5	86	96	111	207	887	2308	3299	3643	4057	4160
80.0	57	59	74	131	452	1202	1762	1997	2232	1841
82.5	36	37	43	59	146	410	710	747	831	698
85.0	18	20	25	22	31	72	138	163	223	141
87.5	7	8	9	9	11	15	17	17	19	17
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	6120	6120	6120	6120	6120	6120	6120	6120	6120	6120
2.5	6199	6178	6204	6188	6172	6128	6115	6065	6065	6032
5.0	6648	6630	6654	6577	6440	6193	5950	5720	5588	5452
7.5	7266	7212	7221	7022	6603	6157	5869	5646	5462	5312
10.0	7781	7714	7709	7275	6694	6353	6148	5912	5647	5342
12.5	8176	8095	8035	7310	6833	6655	6476	6076	5543	5046
15.0	8367	8273	8086	7117	6846	6775	6376	5729	5046	4476
17.5	8447	8326	7970	6880	6705	6432	5753	4967	4255	3746
20.0	8394	8232	7721	6702	6482	5794	4871	3942	3362	3104
22.5	7958	7794	7362	6604	6200	5085	3956	2971	2838	2857
25.0	7575	7407	7133	6507	5815	4254	3019	2634	2750	2804
27.5	7244	7119	6963	6416	5207	3353	2501	2619	2727	2643

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CANDELA TABULATION - (Cont.)

30.0	7250	7124	6933	6255	4400	2489	2344	2596	2500	2228
32.5	7451	7269	7073	6052	3569	1900	2218	2381	2044	1700
35.0	7752	7517	7283	5850	2895	1620	1990	1935	1544	1249
37.5	8324	8003	7595	5600	2339	1580	1611	1425	1157	1102
40.0	8972	8671	8113	5235	1982	1505	1299	1069	998	1039
42.5	9742	9343	8580	4772	1876	1427	1122	931	925	903
45.0	10065	9569	8723	4377	1846	1412	1063	825	787	739
47.5	10125	9664	8715	3746	1828	1389	1033	698	597	637
50.0	9920	9592	8453	3249	1836	1336	977	571	484	542
52.5	8930	8641	7967	2800	1801	1280	848	529	365	317
55.0	8450	8292	7890	2685	1653	1219	748	448	263	238
57.5	7987	8039	7561	2692	1447	1070	616	340	237	205
60.0	7184	7519	7142	2525	1247	925	417	260	224	181
62.5	7123	7447	7183	2154	1008	609	341	224	199	166
65.0	7064	6989	7188	2036	780	394	336	228	207	145
67.5	6567	6378	6523	1625	572	343	301	254	173	103
70.0	6563	6103	5925	1112	388	325	281	168	116	92
72.5	5687	4971	4668	711	273	298	207	127	89	82
75.0	4694	3927	3264	340	216	215	167	96	89	97
77.5	3393	2677	1857	187	164	181	141	99	106	100
80.0	1541	1254	792	116	115	142	111	81	74	83
82.5	558	484	302	66	102	95	63	45	49	52
85.0	119	94	65	34	84	38	24	20	19	22
87.5	15	15	14	19	17	14	14	13	11	9
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

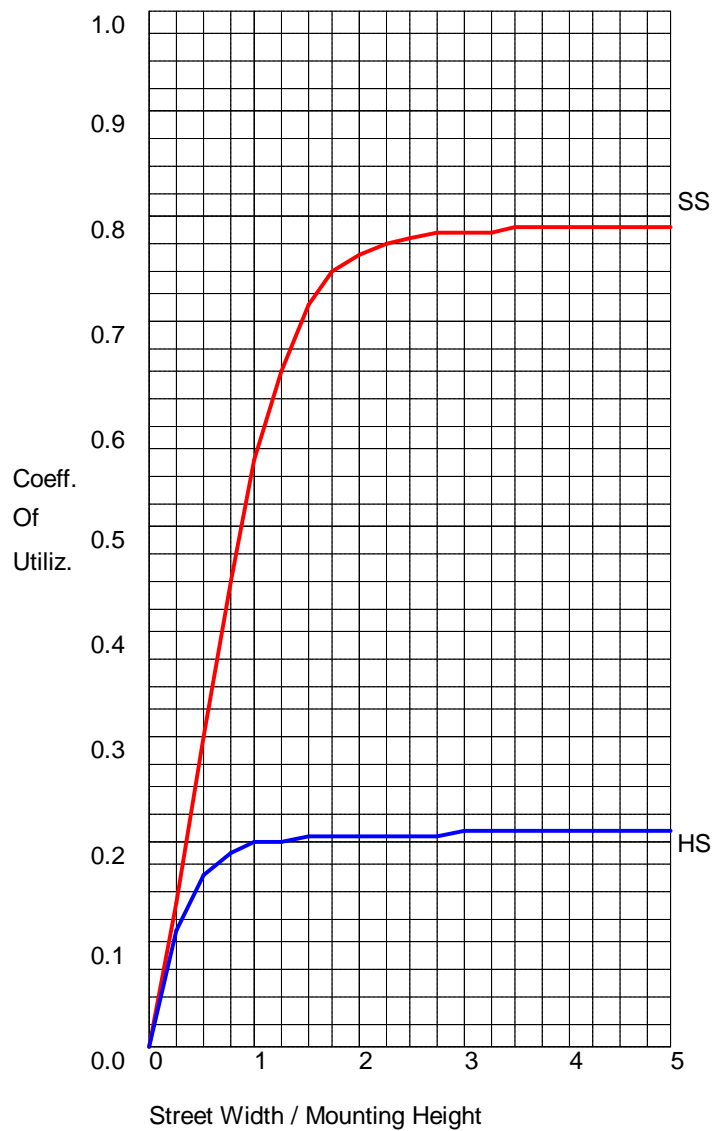
	<u>175.0</u>	<u>180.0</u>
0.0	6120	6120
2.5	6038	5997
5.0	5427	5374
7.5	5238	5208
10.0	5182	5128
12.5	4736	4681
15.0	4098	4066
17.5	3395	3368
20.0	2954	2910
22.5	2815	2775
25.0	2723	2691
27.5	2439	2410
30.0	1939	1857
32.5	1383	1308
35.0	1011	970
37.5	940	916
40.0	903	872
42.5	761	732
45.0	614	580
47.5	539	506
50.0	417	384
52.5	281	252
55.0	208	186
57.5	179	155
60.0	177	164
62.5	160	155
65.0	149	140

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CANDELA TABULATION - (Cont.)

67.5	115	128
70.0	74	87
72.5	61	67
75.0	71	67
77.5	74	75
80.0	69	57
82.5	46	38
85.0	23	20
87.5	9	9
90.0	0	0

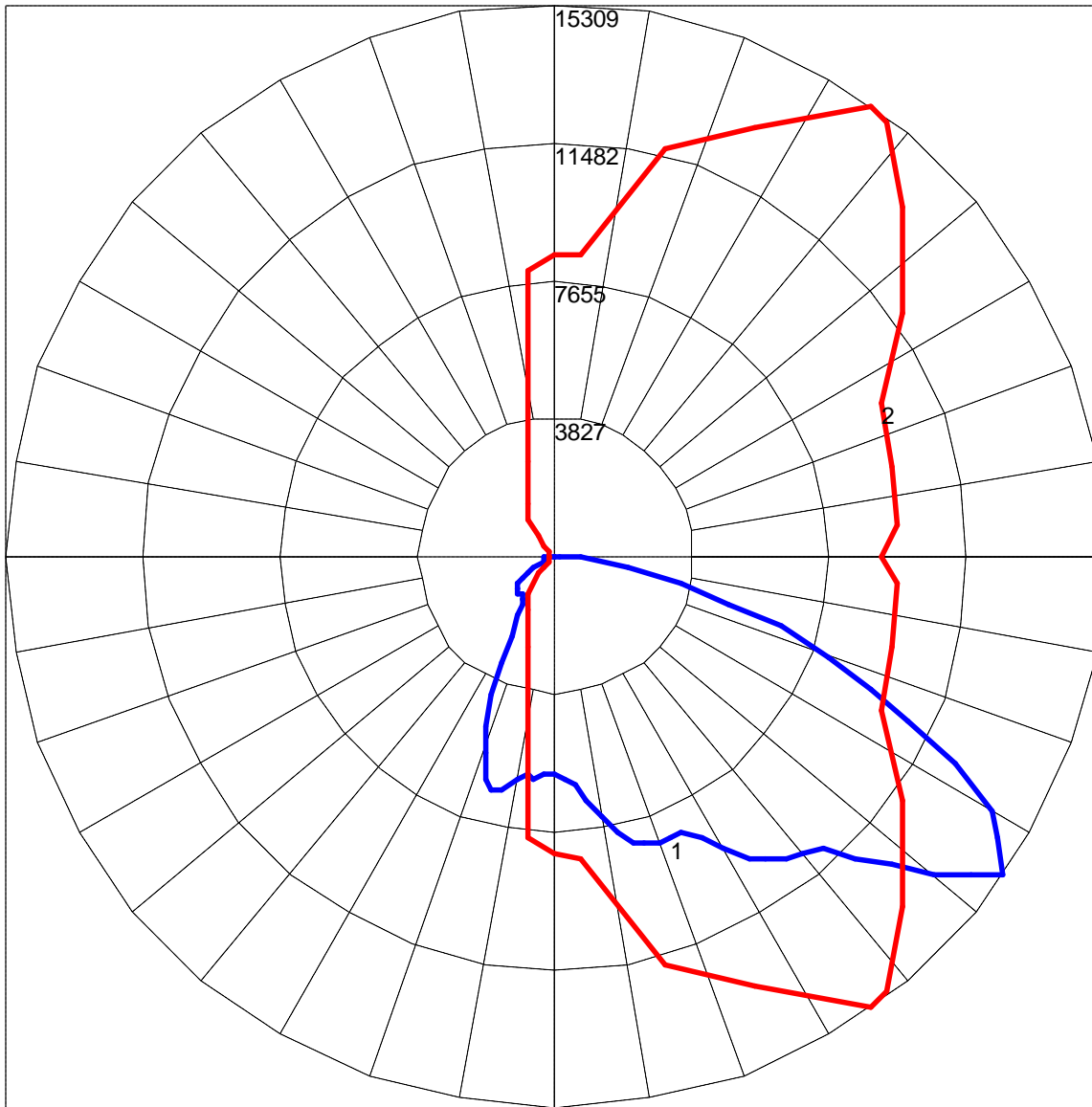
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FLUX DISTRIBUTION

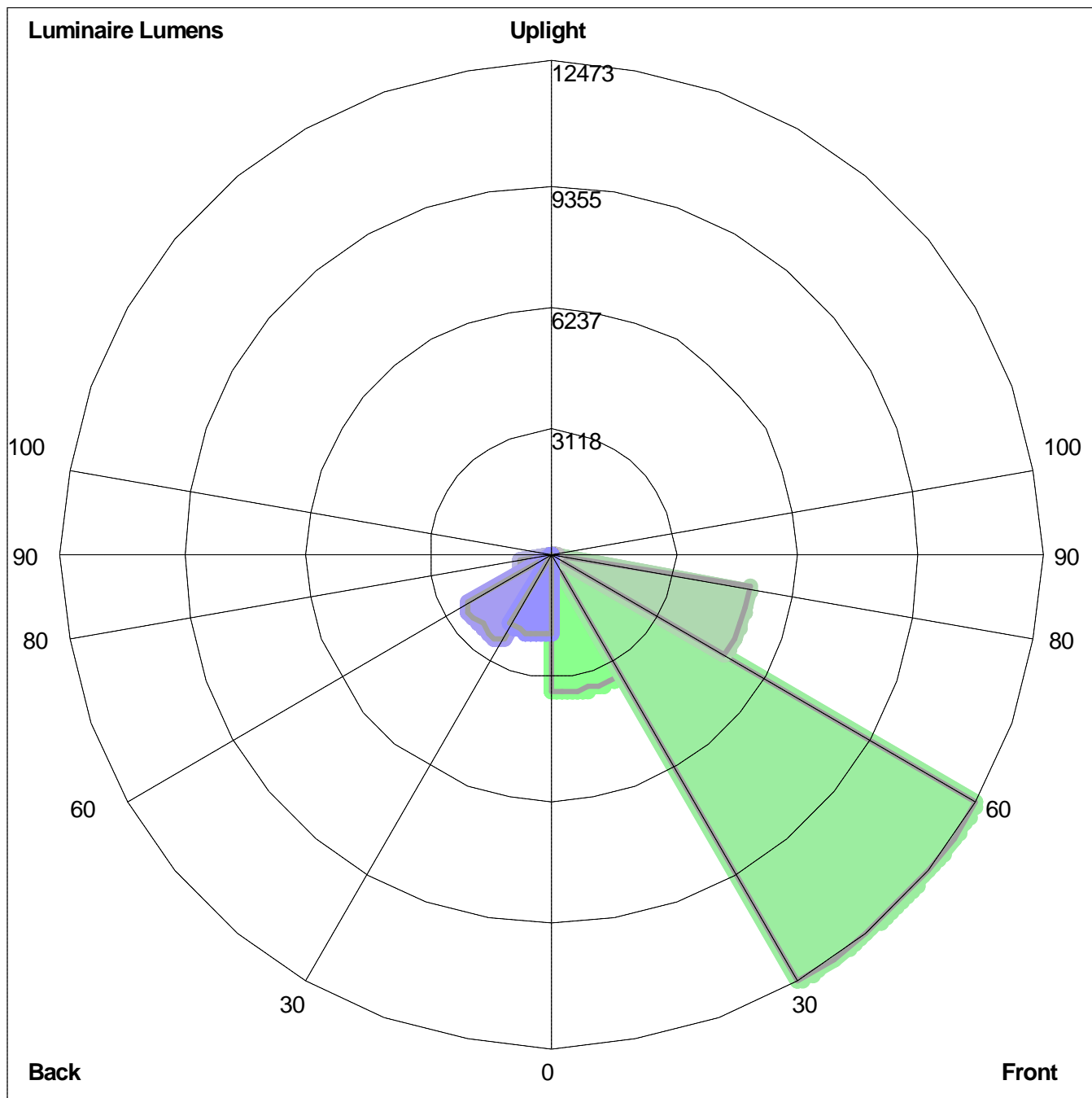
	Lumens	Percent Of Luminaire
Downward Street Side	21195.0	79.2
Downward House Side	5559.2	20.8
Downward Total	26754.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	26754.2	100.0

POLAR GRAPH



Maximum Candela = 15309 Located At Horizontal Angle = 55, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=3526.4, Medium=12473.2, High= 5057.0, Very High=138.5
Back: Low=2082.5, Medium=2548.4, High=895.5, Very High=32.7
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3