



IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FT-LED-HO-NW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5341
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/26/14
[TEST DATE]03/26/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XGBM-FT-LED-HO-NW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	23512
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	289.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13805
Maximum Candela Angle	25H 52.5V
Maximum Candela (<90 Degrees Vertical)	13805
Maximum Candela Angle (<90 Degrees Vertical)	25H 52.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3892 (16.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FT-LED-HO-NW.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	3073.2	N.A.	13.1
FM - Front-Medium (30-60)	10362.5	N.A.	44.1
FH - Front-High (60-80)	7696.8	N.A.	32.7
FVH - Front-Very High (80-90)	398.5	N.A.	1.7
BL - Back-Low (0-30)	590.0	N.A.	2.5
BM - Back-Medium (30-60)	994.0	N.A.	4.2
BH - Back-High (60-80)	369.3	N.A.	1.6
BVH - Back-Very High (80-90)	27.8	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	23512.1	N.A.	100.0
BUG Rating	B2-U0-G4		

IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FT-LED-HO-NW.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>22.5</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060
2.5	2472	2494	2457	2458	2408	2349	2303	2230	2170	2097
5.0	3748	3769	3663	3606	3504	3282	3074	2795	2558	2315
7.5	5583	5605	5412	5258	5093	4656	4191	3619	3104	2603
10.0	7546	7578	7367	7147	6956	6332	5664	4734	3796	2955
12.5	8940	8998	8815	8626	8475	8066	7190	5983	4641	3392
15.0	9600	9677	9630	9574	9515	9208	8458	7299	5591	3947
17.5	9507	9617	9707	9836	9861	9807	9436	8418	6664	4605
20.0	9077	9187	9308	9508	9547	9824	9961	9320	7691	5266
22.5	8349	8479	8715	8943	9003	9481	10124	10024	8651	5994
25.0	7623	7728	7935	8196	8292	9043	9919	10477	9532	6694
27.5	6887	6982	7195	7485	7611	8455	9687	10698	10326	7429
30.0	6694	6772	6810	6882	6984	7918	9321	10601	10825	8135
32.5	6883	6947	6896	6893	6940	7442	8708	10265	10998	8685
35.0	7238	7290	7199	7192	7227	7478	8096	9626	10751	8817
37.5	8026	8033	7721	7656	7657	7805	7646	8712	10062	8985
40.0	9209	9249	8947	8711	8513	8199	7652	7913	9474	9303
42.5	10472	10489	10034	10028	10061	8898	7842	7355	8865	9518
45.0	11388	11456	11439	11559	11527	10212	8167	7215	8131	9350
47.5	11886	12010	11987	12542	12652	11506	8972	7253	7374	9071
50.0	12328	12440	12858	13338	13309	12508	9991	7380	6736	8731
52.5	11785	11966	12873	13770	13805	12814	11026	7716	6378	8128
55.0	11315	11452	12328	13195	13370	13130	11283	8433	6292	7490
57.5	11034	11167	12045	12687	12715	12664	11344	9148	6256	6423
60.0	10727	10813	11961	12533	12459	11966	11290	9519	6152	5514
62.5	11341	11384	12376	12253	12051	11597	10710	9265	6385	4812
65.0	11988	12096	13244	12882	12617	11294	10075	8899	6598	4249
67.5	11604	11697	12848	12962	12940	11922	9428	7952	6608	3965
70.0	11110	11230	12010	12063	12138	11889	9352	7300	6448	3880
72.5	8799	9036	9819	10769	11265	10860	9189	6935	5764	3894
75.0	5705	5901	6572	7572	8325	9076	8304	6797	5050	3554
77.5	3626	3759	4109	4598	5005	5897	6170	5695	4508	3263
80.0	1467	1533	1745	2180	2355	3051	3261	3892	3811	2639
82.5	583	627	630	802	800	966	1203	1779	2321	1853
85.0	53	55	52	59	60	115	262	415	752	1067
87.5	13	13	17	19	20	22	24	28	71	166
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	2060	2060	2060	2060	2060	2060	2060	2060	2060	2060
2.5	2042	2011	1983	1937	1902	1876	1848	1833	1831	1829
5.0	2117	2025	1944	1818	1730	1684	1655	1645	1641	1640
7.5	2210	2057	1930	1754	1662	1623	1599	1572	1550	1540
10.0	2326	2107	1936	1727	1645	1590	1541	1523	1494	1466
12.5	2491	2195	1974	1739	1639	1561	1515	1441	1378	1343
15.0	2725	2336	2062	1801	1651	1557	1435	1352	1272	1219
17.5	2992	2506	2170	1886	1705	1530	1381	1243	1150	1078
20.0	3235	2604	2213	1921	1722	1504	1321	1149	1009	929
22.5	3466	2681	2214	1898	1683	1442	1243	1029	890	816
25.0	3647	2700	2196	1889	1646	1373	1118	915	799	736
27.5	3847	2721	2194	1918	1608	1285	1001	815	736	687

IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FT-LED-HO-NW.IES

CANDELA TABULATION - (Cont.)

30.0	4036	2748	2212	1915	1583	1188	906	753	681	657
32.5	4192	2746	2204	1920	1555	1109	850	713	653	652
35.0	4222	2635	2106	1823	1459	1044	814	695	657	669
37.5	4203	2511	1969	1720	1302	981	785	707	671	636
40.0	4401	2511	1927	1595	1183	917	788	731	617	512
42.5	4684	2564	1930	1505	1110	822	815	701	491	399
45.0	4910	2634	1968	1450	1051	753	829	578	397	369
47.5	5124	2690	2010	1413	959	733	709	452	369	344
50.0	5409	2774	2050	1362	904	735	571	405	337	305
52.5	5660	2884	2108	1289	842	729	457	355	297	264
55.0	5691	2873	2083	1200	812	627	386	299	250	222
57.5	5471	2749	2001	1115	814	470	339	245	207	189
60.0	5332	2630	1904	1017	738	435	293	201	177	164
62.5	5266	2531	1766	946	612	406	243	172	151	140
65.0	4998	2448	1645	850	525	346	205	149	128	118
67.5	4587	2407	1543	771	491	276	173	125	106	98
70.0	3924	2132	1386	663	430	226	145	103	85	77
72.5	3344	1867	1132	553	349	186	119	78	64	57
75.0	2522	1604	956	470	270	139	87	60	49	43
77.5	2031	1281	673	381	202	94	62	46	38	32
80.0	1327	928	473	289	131	61	43	34	27	21
82.5	823	540	242	183	71	43	33	26	19	15
85.0	508	227	119	77	34	27	23	18	15	12
87.5	184	47	29	22	18	17	16	14	12	11
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

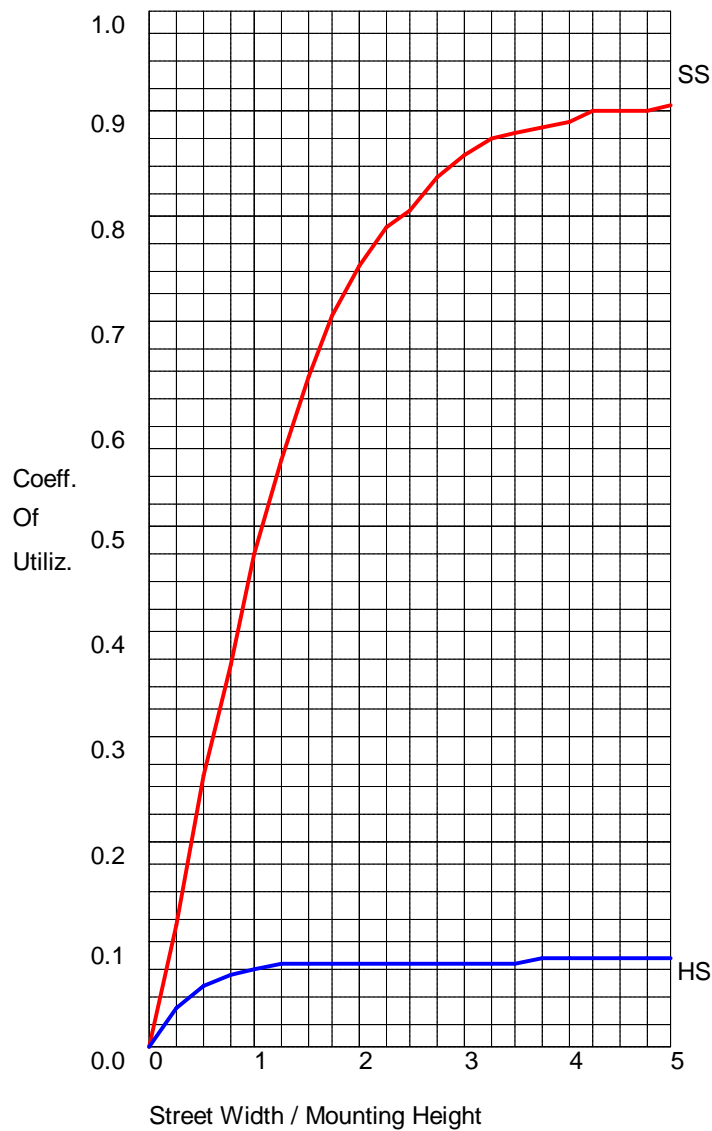
	<u>175.0</u>	<u>180.0</u>
0.0	2060	2060
2.5	1822	1824
5.0	1635	1635
7.5	1532	1529
10.0	1448	1447
12.5	1323	1323
15.0	1189	1188
17.5	1038	1028
20.0	889	880
22.5	768	764
25.0	696	693
27.5	650	647
30.0	630	628
32.5	639	636
35.0	652	648
37.5	584	573
40.0	443	431
42.5	356	349
45.0	328	322
47.5	297	290
50.0	260	247
52.5	221	207
55.0	189	174
57.5	167	152
60.0	148	133
62.5	131	117
65.0	113	100

IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FT-LED-HO-NW.IES

CANDELA TABULATION - (Cont.)

67.5	92	83
70.0	70	62
72.5	52	46
75.0	37	35
77.5	28	27
80.0	19	18
82.5	13	12
85.0	10	9
87.5	9	9
90.0	0	0

COEFFICIENTS OF UTILIZATION

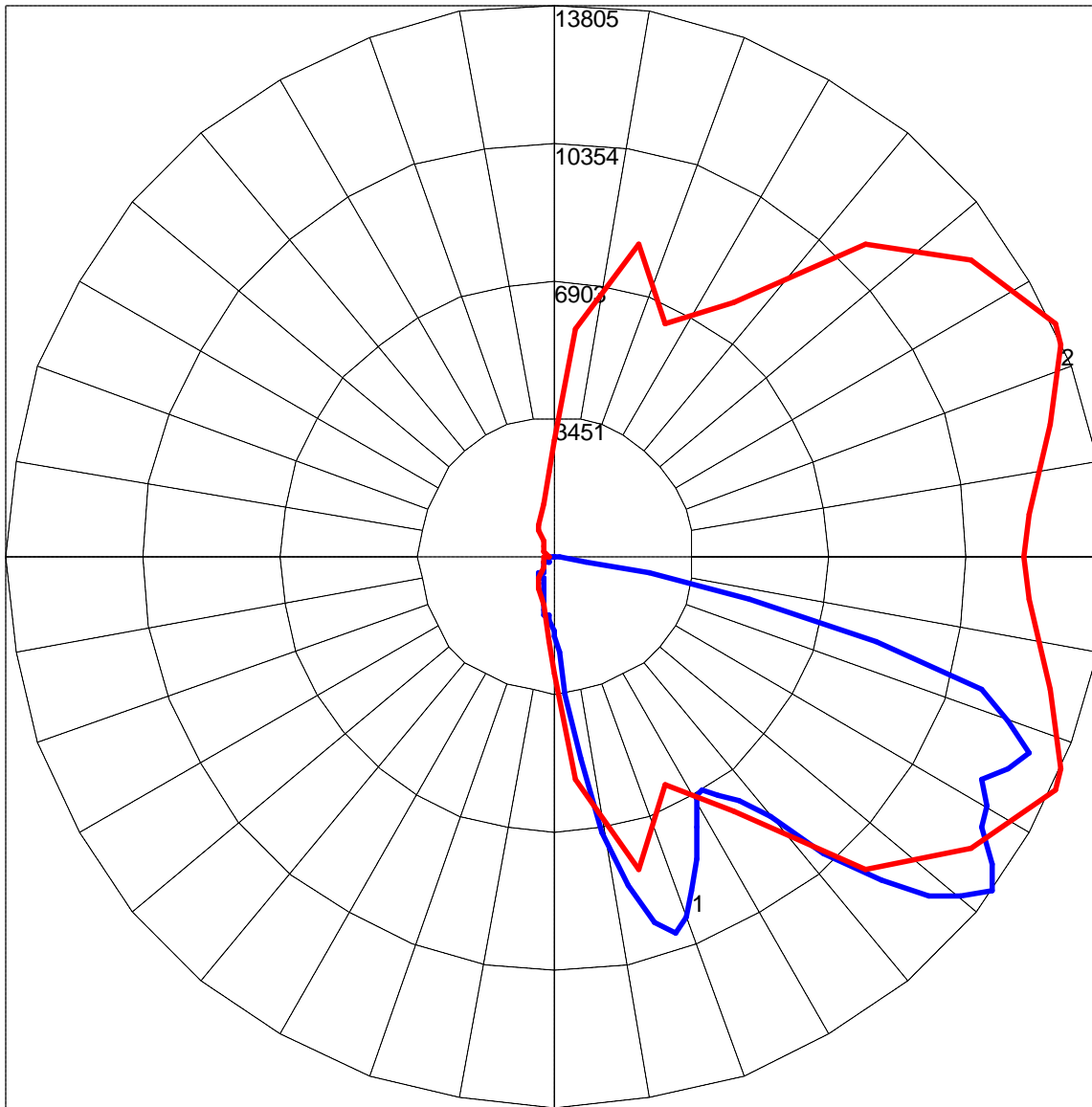


FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	21531.1	91.6
Downward House Side	1981.2	8.4
Downward Total	23512.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	23512.3	100.0

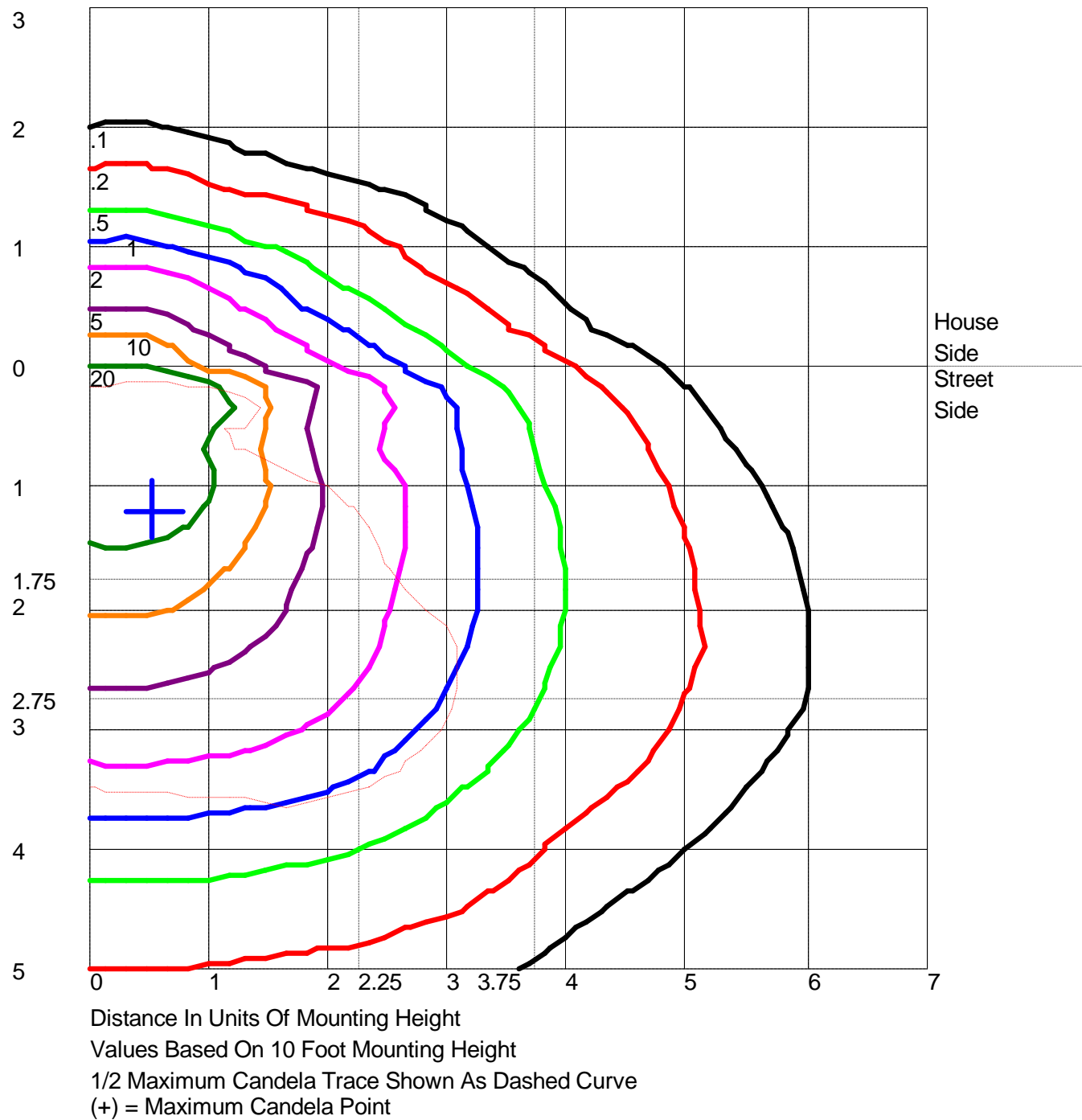
IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FT-LED-HO-NW.IES

POLAR GRAPH

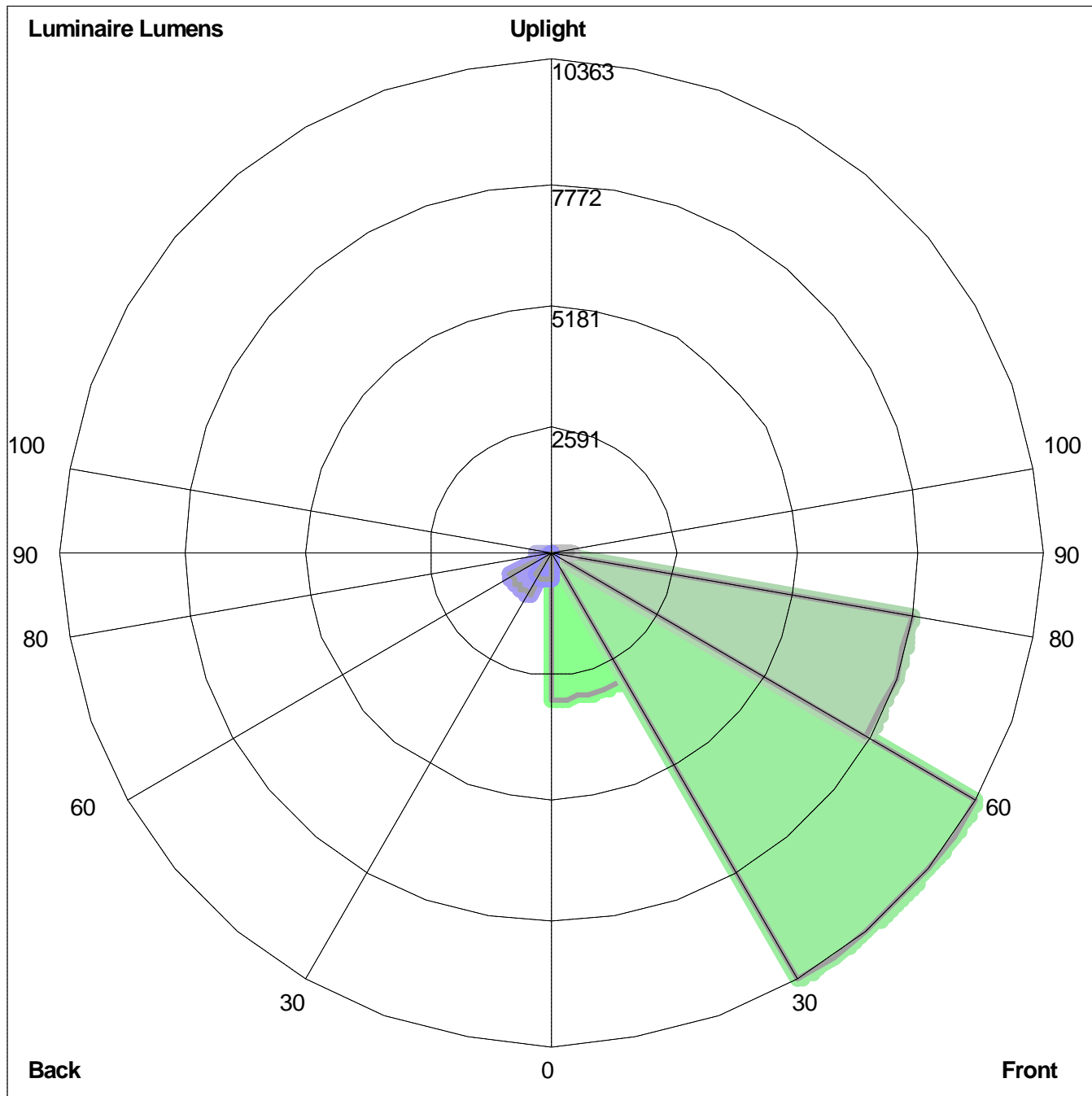


Maximum Candela = 13805 Located At Horizontal Angle = 25, Vertical Angle = 52.5
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (52.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=3073.2, Medium=10362.5, High=7696.8, Very High=398.5
Back: Low=590.0, Medium=994.0, High=369.3, Very High=27.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G4