



IES ROAD REPORT
PHOTOMETRIC FILENAME : XGBM-FTA-LED-SS-NW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-5348
[TESTLAB]LSI INDUSTRIES
[ISSUE DATE]03/27/14
[MANUFACTURER]LSI INDUSTRIES
[LUMEN CATEGORY]XGBM-FTA-LED-SS-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	18752
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	189.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8555
Maximum Candela Angle	20H 62.5V
Maximum Candela (<90 Degrees Vertical)	8555
Maximum Candela Angle (<90 Degrees Vertical)	20H 62.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2175 (11.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2569.9	N.A.	13.7
FM - Front-Medium (30-60)	6914.2	N.A.	36.9
FH - Front-High (60-80)	4757.2	N.A.	25.4
FVH - Front-Very High (80-90)	237.7	N.A.	1.3
BL - Back-Low (0-30)	1769.8	N.A.	9.4
BM - Back-Medium (30-60)	1997.5	N.A.	10.7
BH - Back-High (60-80)	487.3	N.A.	2.6
BVH - Back-Very High (80-90)	18.7	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	18752.3	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>
0.0	5989	5989	5989	5989	5989	5989	5989	5989	5989	5989
2.5	6101	6147	6126	6111	6103	6080	6051	6012	5988	5990
5.0	6385	6437	6404	6383	6362	6312	6245	6159	6094	6052
7.5	6572	6614	6604	6576	6570	6510	6440	6343	6232	6123
10.0	6585	6629	6641	6630	6650	6633	6585	6496	6375	6208
12.5	6372	6408	6453	6453	6505	6581	6652	6631	6523	6332
15.0	5930	5962	6044	6075	6199	6398	6562	6711	6704	6538
17.5	5484	5541	5598	5674	5773	5998	6393	6696	6880	6776
20.0	5219	5263	5304	5340	5407	5658	6091	6640	7052	7017
22.5	4920	4962	5009	5080	5175	5378	5814	6518	7190	7291
25.0	4827	4864	4870	4887	4929	5155	5515	6235	7217	7607
27.5	4780	4810	4816	4815	4850	4971	5275	5894	7201	7897
30.0	4871	4900	4869	4826	4820	4913	5075	5712	7024	8038
32.5	4918	4947	4940	4922	4926	4902	5089	5637	6706	7794
35.0	5052	5072	5031	4995	4998	5099	5188	5533	6222	7499
37.5	5347	5368	5246	5178	5151	5312	5360	5432	5817	7203
40.0	5617	5637	5563	5515	5482	5613	5565	5335	5583	6810
42.5	5875	5897	5779	5741	5805	5966	5673	5234	5283	6200
45.0	6204	6216	6090	6078	6176	6239	5809	5251	4996	5740
47.5	6549	6538	6433	6484	6685	6505	6014	5241	4840	5358
50.0	6894	6910	6821	6979	7195	6828	6106	5262	4743	5039
52.5	7185	7210	7274	7557	7688	7038	6263	5435	4756	4829
55.0	6873	6905	7155	7765	8077	7285	6469	5647	4811	4661
57.5	6819	6849	6924	7424	7672	7593	6730	5697	4783	4455
60.0	7375	7403	7554	7912	7601	7227	7061	5716	4629	4243
62.5	7593	7624	8172	8555	8208	7125	6967	5650	4552	3964
65.0	6528	6562	7416	7984	8187	7608	6630	5715	4171	3577
67.5	6132	6142	6586	6781	6812	7390	6593	5222	3929	3244
70.0	5982	6026	6456	6562	6560	6331	6019	4623	3774	2816
72.5	5180	5262	5707	6021	6481	6262	4825	4248	3420	2395
75.0	3811	3819	4231	4757	5430	5515	4410	3473	2780	1870
77.5	2182	2186	2455	2866	3531	3660	3482	2998	2335	1479
80.0	1078	1067	1254	1443	1713	1864	2068	2175	1653	1331
82.5	440	468	504	529	587	691	847	1048	1031	825
85.0	125	132	153	166	179	230	251	285	355	375
87.5	16	18	17	19	20	29	36	42	49	50
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85</u>	<u>90</u>	<u>95</u>	<u>105</u>	<u>115</u>	<u>125</u>	<u>135</u>	<u>145</u>	<u>155</u>	<u>165</u>
0.0	5989	5989	5989	5989	5989	5989	5989	5989	5989	5989
2.5	5957	5937	5945	5927	5911	5920	5948	5935	5935	5948
5.0	5980	5946	5937	5900	5857	5838	5832	5808	5793	5797
7.5	6001	5961	5933	5869	5808	5760	5720	5673	5630	5605
10.0	6029	5976	5937	5843	5755	5658	5588	5481	5419	5373
12.5	6098	6030	5967	5835	5699	5560	5420	5247	5110	5007
15.0	6252	6150	6061	5858	5646	5455	5210	4887	4623	4405
17.5	6422	6297	6158	5889	5616	5292	4911	4355	3818	3480
20.0	6604	6404	6218	5892	5565	5106	4452	3579	2836	2382
22.5	6762	6498	6279	5876	5520	4869	3823	2701	1896	1461
25.0	7017	6658	6385	5914	5397	4530	3139	1909	1175	883
27.5	7270	6835	6521	5994	5256	4032	2520	1355	796	630

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CANDELA TABULATION - (Cont.)

30.0	7431	6942	6589	6048	5056	3404	2001	1113	656	552
32.5	7335	6797	6438	5919	4694	2710	1658	1080	633	507
35.0	7303	6702	6302	5677	4053	2215	1424	1176	611	470
37.5	7226	6609	6209	5424	3324	1829	1300	1164	589	442
40.0	7010	6433	6082	5096	2649	1490	1297	917	597	425
42.5	6684	6207	5930	4712	1995	1250	1185	746	604	419
45.0	6494	6025	5739	4236	1415	1075	1046	720	663	411
47.5	6319	5879	5599	3735	1064	884	948	717	628	362
50.0	6152	5780	5488	3232	873	749	839	730	503	270
52.5	6043	5724	5410	2758	797	644	775	646	456	191
55.0	5746	5493	5175	2343	808	567	702	432	406	174
57.5	5457	5233	4831	1981	808	556	525	262	333	191
60.0	5101	4907	4472	1713	774	536	292	203	243	190
62.5	4525	4390	3875	1385	701	423	207	188	181	147
65.0	3828	3813	3278	1092	595	308	215	175	150	112
67.5	3312	3354	2789	902	502	254	192	148	125	82
70.0	2858	2987	2280	790	358	219	164	116	95	67
72.5	2213	2285	1623	663	234	174	125	96	66	52
75.0	1487	1638	1106	498	184	125	105	67	43	38
77.5	961	1090	681	262	139	94	82	54	25	24
80.0	734	764	389	140	96	84	69	33	16	15
82.5	419	357	164	100	63	61	36	18	12	8
85.0	199	144	51	56	25	25	8	7	5	2
87.5	42	19	8	16	5	5	4	2	1	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

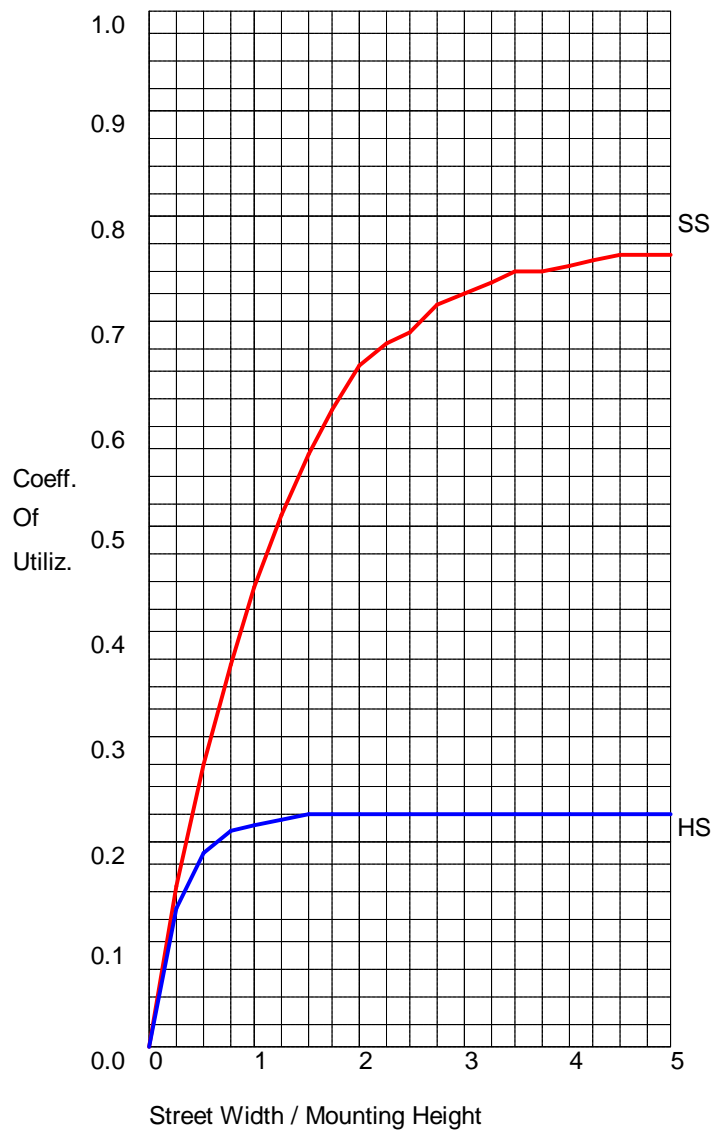
	175	180
0.0	5989	5989
2.5	5956	6000
5.0	5785	5842
7.5	5587	5647
10.0	5342	5389
12.5	4936	4933
15.0	4268	4226
17.5	3205	3193
20.0	2138	2115
22.5	1257	1240
25.0	782	769
27.5	584	573
30.0	525	513
32.5	475	465
35.0	455	431
37.5	440	412
40.0	426	401
42.5	418	395
45.0	403	368
47.5	333	288
50.0	235	194
52.5	172	139
55.0	161	134
57.5	156	133
60.0	139	124
62.5	117	105
65.0	91	84

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CANDELA TABULATION - (Cont.)

67.5	70	66
70.0	56	52
72.5	39	37
75.0	28	26
77.5	18	18
80.0	12	12
82.5	7	7
85.0	1	1
87.5	0	0
90.0	0	0

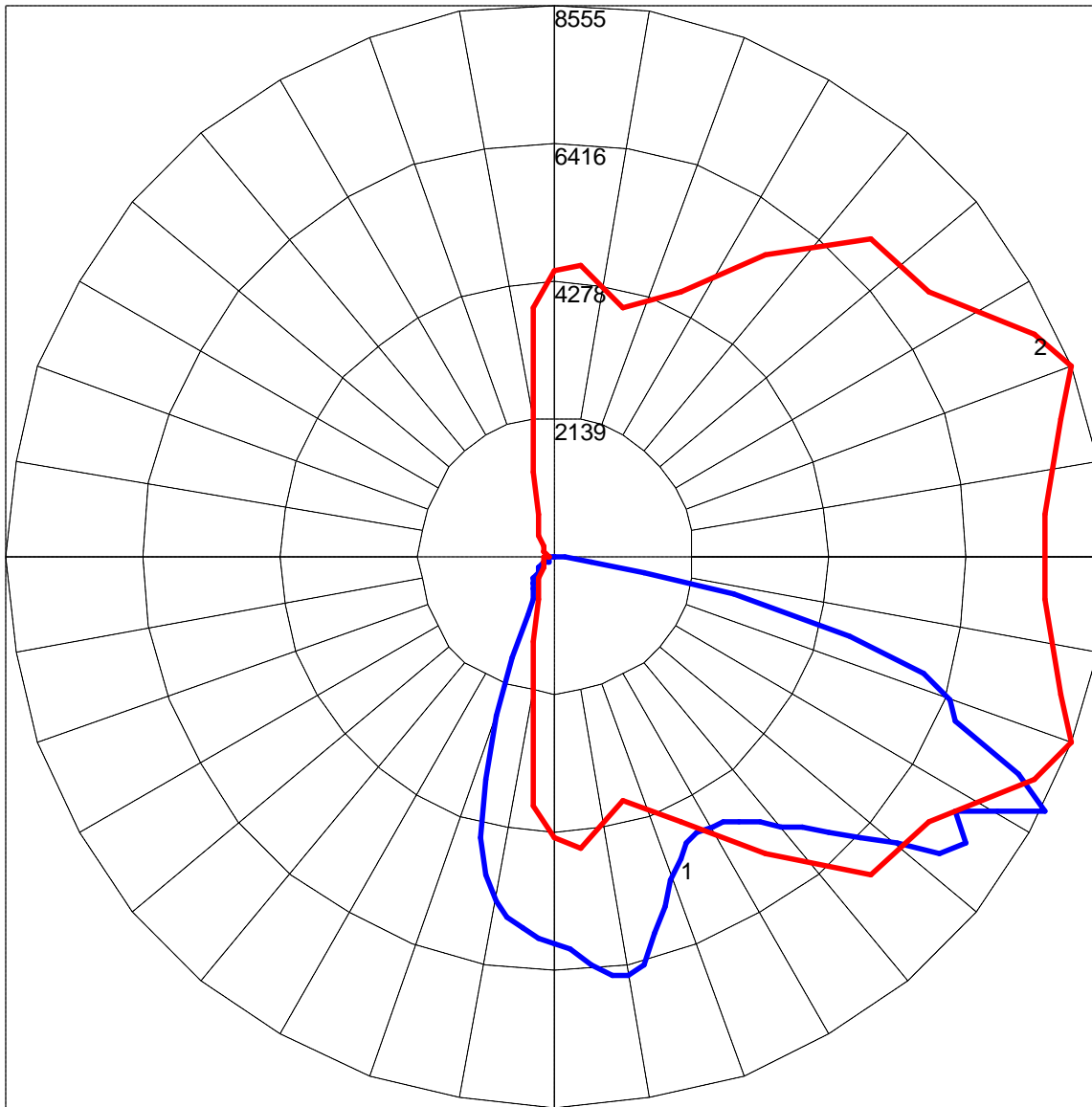
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

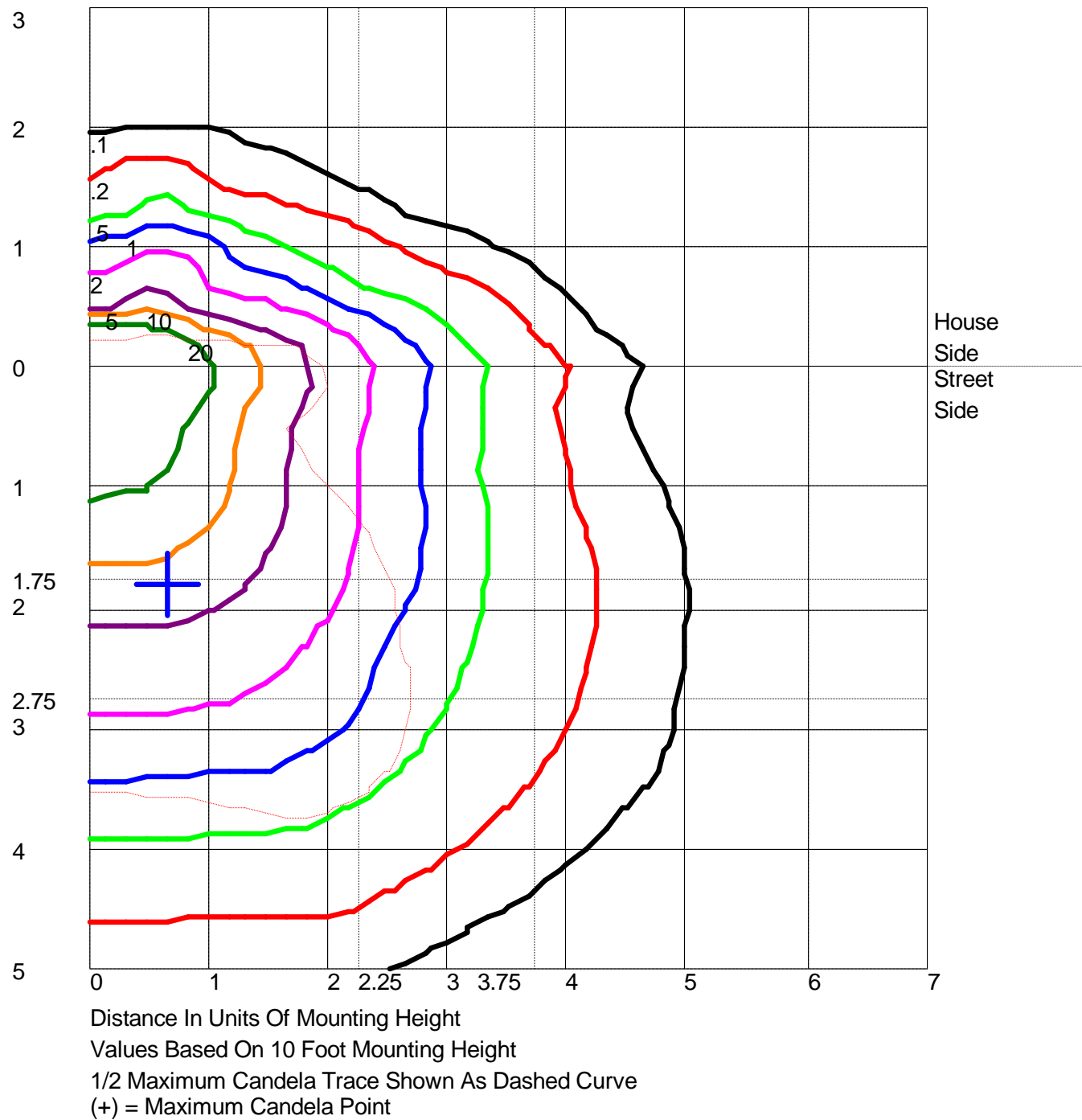
	Lumens	Percent Of Luminaire
Downward Street Side	14479.0	77.2
Downward House Side	4273.3	22.8
Downward Total	18752.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	18752.3	100.0

POLAR GRAPH

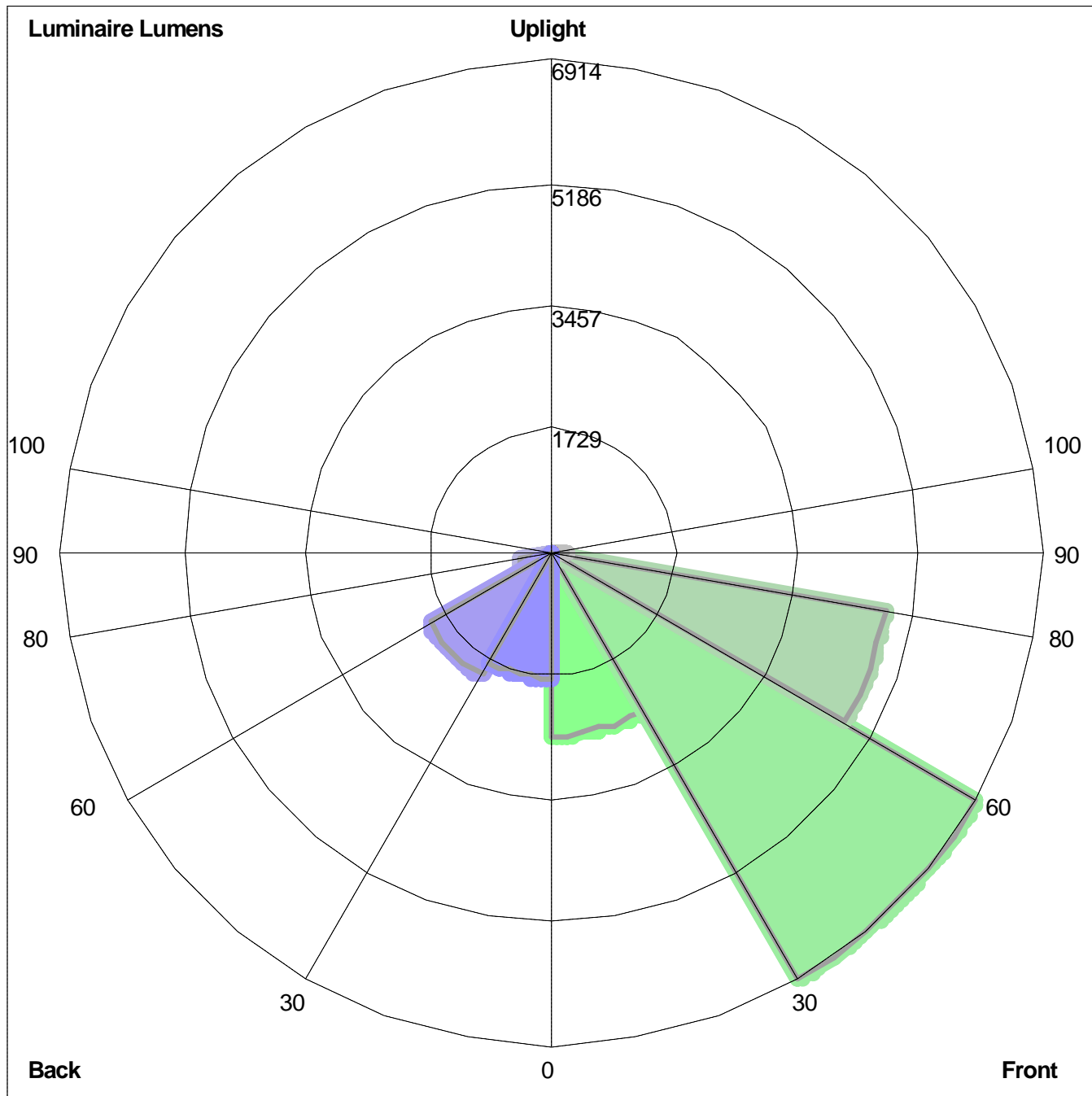


Maximum Candela = 8555 Located At Horizontal Angle = 20, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (20 - 200) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2569.9, Medium=6914.2, High=4757.2, Very High=237.7
Back: Low=1769.8, Medium=1997.5, High=487.3, Very High=18.7
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3