



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : GSQ-06L-FT-50.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12867  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 08/26/2021  
[TEST DATE] 07/30/21  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] GSQ-06L-FT-50  
[OTHER] TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER] SCALED FROM ORIGINAL TEST DATA  
[SEARCH\_SOURCETYPE] LED  
[SEARCH\_APPLICATION] OUTDOOR  
[SEARCH\_COLORTEMP] 5000

**CHARACTERISTICS**

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5988
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2778
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	2778
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	232 (3.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1054.5	N.A.	17.6
FM - Front-Medium (30-60)	2338.6	N.A.	39.1
FH - Front-High (60-80)	765.5	N.A.	12.8
FVH - Front-Very High (80-90)	34.0	N.A.	0.6
BL - Back-Low (0-30)	750.4	N.A.	12.5
BM - Back-Medium (30-60)	878.6	N.A.	14.7
BH - Back-High (60-80)	158.4	N.A.	2.6
BVH - Back-Very High (80-90)	8.2	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	5988.2	N.A.	100.0
BUG Rating	B2-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0</b>	<b>5</b>	<b>15</b>	<b>25</b>	<b>35</b>	<b>45</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>
<b>0.0</b>	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247
<b>2.5</b>	2244	2245	2255	2261	2268	2278	2283	2287	2285	2287
<b>5.0</b>	2314	2315	2322	2318	2316	2321	2320	2315	2308	2302
<b>7.5</b>	2407	2409	2416	2414	2417	2409	2384	2356	2332	2319
<b>10.0</b>	2465	2465	2478	2494	2497	2496	2465	2404	2351	2316
<b>12.5</b>	2501	2502	2516	2530	2533	2538	2503	2424	2346	2291
<b>15.0</b>	2571	2567	2571	2577	2561	2544	2506	2440	2346	2281
<b>17.5</b>	2635	2631	2635	2633	2596	2535	2493	2441	2359	2271
<b>20.0</b>	2683	2679	2676	2679	2626	2556	2501	2451	2358	2246
<b>22.5</b>	2710	2705	2712	2710	2650	2587	2518	2450	2360	2225
<b>25.0</b>	2744	2739	2747	2722	2659	2606	2528	2437	2349	2195
<b>27.5</b>	2761	2761	2768	2742	2671	2614	2525	2411	2318	2157
<b>30.0</b>	2778	2767	2770	2732	2666	2597	2494	2372	2266	2102
<b>32.5</b>	2771	2764	2760	2707	2652	2577	2462	2332	2196	2036
<b>35.0</b>	2751	2744	2728	2678	2622	2540	2414	2277	2138	1965
<b>37.5</b>	2715	2709	2689	2649	2577	2476	2356	2217	2057	1888
<b>40.0</b>	2659	2650	2637	2587	2522	2410	2287	2142	1972	1795
<b>42.5</b>	2591	2575	2562	2510	2444	2334	2197	2048	1874	1699
<b>45.0</b>	2504	2494	2474	2419	2346	2246	2107	1950	1769	1595
<b>47.5</b>	2400	2386	2370	2319	2242	2140	2004	1850	1664	1486
<b>50.0</b>	2285	2269	2251	2198	2128	2016	1892	1734	1552	1373
<b>52.5</b>	2145	2142	2121	2070	1990	1887	1754	1604	1428	1259
<b>55.0</b>	2002	1997	1978	1931	1849	1747	1618	1466	1303	1141
<b>57.5</b>	1842	1842	1823	1775	1699	1598	1475	1334	1181	1021
<b>60.0</b>	1665	1660	1643	1611	1537	1438	1330	1202	1051	904
<b>62.5</b>	1477	1471	1461	1420	1360	1280	1183	1064	927	785
<b>65.0</b>	1281	1277	1261	1234	1191	1119	1035	930	805	676
<b>67.5</b>	1084	1080	1067	1046	1007	957	887	797	680	567
<b>70.0</b>	890	888	876	862	831	798	741	668	567	470
<b>72.5</b>	703	693	694	685	665	635	601	537	460	379
<b>75.0</b>	512	520	522	518	506	489	461	418	359	294
<b>77.5</b>	354	355	366	365	361	353	332	303	265	216
<b>80.0</b>	216	216	220	230	226	232	221	204	176	148
<b>82.5</b>	98	99	104	111	117	123	124	118	104	86
<b>85.0</b>	14	15	19	21	32	43	49	50	46	36
<b>87.5</b>	0	0	1	1	1	1	2	5	7	6
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>90</b>	<b>95</b>	<b>105</b>	<b>115</b>	<b>125</b>	<b>135</b>	<b>145</b>	<b>155</b>	<b>165</b>	<b>175</b>
<b>0.0</b>	2247	2247	2247	2247	2247	2247	2247	2247	2247	2247
<b>2.5</b>	2287	2286	2271	2259	2246	2228	2213	2196	2181	2176
<b>5.0</b>	2298	2292	2268	2243	2217	2186	2158	2133	2115	2108
<b>7.5</b>	2308	2295	2255	2219	2184	2145	2110	2070	2041	2026
<b>10.0</b>	2297	2275	2222	2182	2138	2083	2036	1995	1961	1945
<b>12.5</b>	2269	2244	2176	2120	2064	2002	1955	1910	1881	1853
<b>15.0</b>	2253	2219	2138	2070	1996	1917	1863	1824	1795	1764
<b>17.5</b>	2239	2200	2112	2019	1930	1846	1781	1731	1676	1641
<b>20.0</b>	2213	2172	2069	1968	1870	1769	1680	1608	1563	1534
<b>22.5</b>	2181	2130	2021	1896	1788	1672	1573	1495	1452	1416
<b>25.0</b>	2145	2080	1955	1815	1697	1563	1468	1386	1338	1299
<b>27.5</b>	2092	2023	1882	1733	1604	1456	1355	1271	1216	1183

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**CANDELA TABULATION - (Cont.)**

30.0	2036	1961	1808	1652	1500	1355	1240	1156	1099	1064
32.5	1966	1885	1716	1557	1384	1244	1126	1038	975	934
35.0	1886	1803	1625	1451	1272	1131	1012	918	852	811
37.5	1802	1707	1526	1342	1158	1011	895	800	729	693
40.0	1706	1611	1425	1231	1050	900	782	689	617	584
42.5	1597	1509	1326	1117	940	791	665	573	517	487
45.0	1491	1402	1216	1005	831	684	560	478	431	404
47.5	1385	1297	1101	900	731	579	470	398	352	332
50.0	1272	1183	990	799	632	488	390	326	284	266
52.5	1157	1070	885	690	536	407	321	262	226	209
55.0	1043	961	781	597	453	337	260	209	181	165
57.5	933	853	678	512	379	277	209	168	143	131
60.0	822	748	584	435	311	223	166	134	113	104
62.5	713	648	498	363	254	178	132	106	92	86
65.0	607	549	420	301	206	143	106	85	77	73
67.5	512	461	347	245	165	114	84	70	65	63
70.0	422	375	280	196	130	89	67	58	55	53
72.5	339	301	222	152	99	70	53	48	46	45
75.0	263	233	170	110	74	52	41	39	37	37
77.5	192	171	124	77	52	36	30	29	29	29
80.0	132	117	81	49	32	23	21	20	20	20
82.5	79	68	46	28	18	13	12	12	13	13
85.0	33	31	19	12	7	6	6	6	7	7
87.5	6	5	4	2	2	2	2	1	1	1
90.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

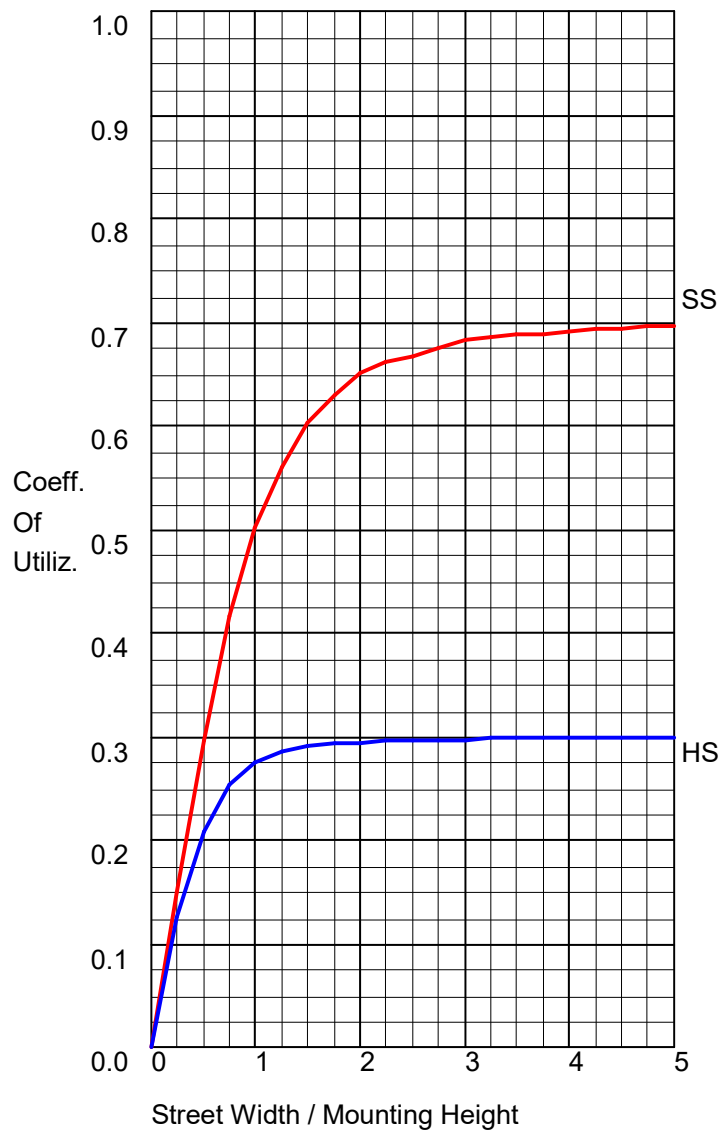
	<b>180</b>
0.0	2247
2.5	2174
5.0	2107
7.5	2026
10.0	1944
12.5	1850
15.0	1760
17.5	1631
20.0	1529
22.5	1414
25.0	1294
27.5	1164
30.0	1051
32.5	929
35.0	805
37.5	690
40.0	581
42.5	484
45.0	401
47.5	328
50.0	264
52.5	209
55.0	161
57.5	128
60.0	104
62.5	85
65.0	73

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	<b>63</b>
<b>70.0</b>	<b>53</b>
<b>72.5</b>	<b>46</b>
<b>75.0</b>	<b>37</b>
<b>77.5</b>	<b>28</b>
<b>80.0</b>	<b>20</b>
<b>82.5</b>	<b>13</b>
<b>85.0</b>	<b>7</b>
<b>87.5</b>	<b>1</b>
<b>90.0</b>	<b>0</b>

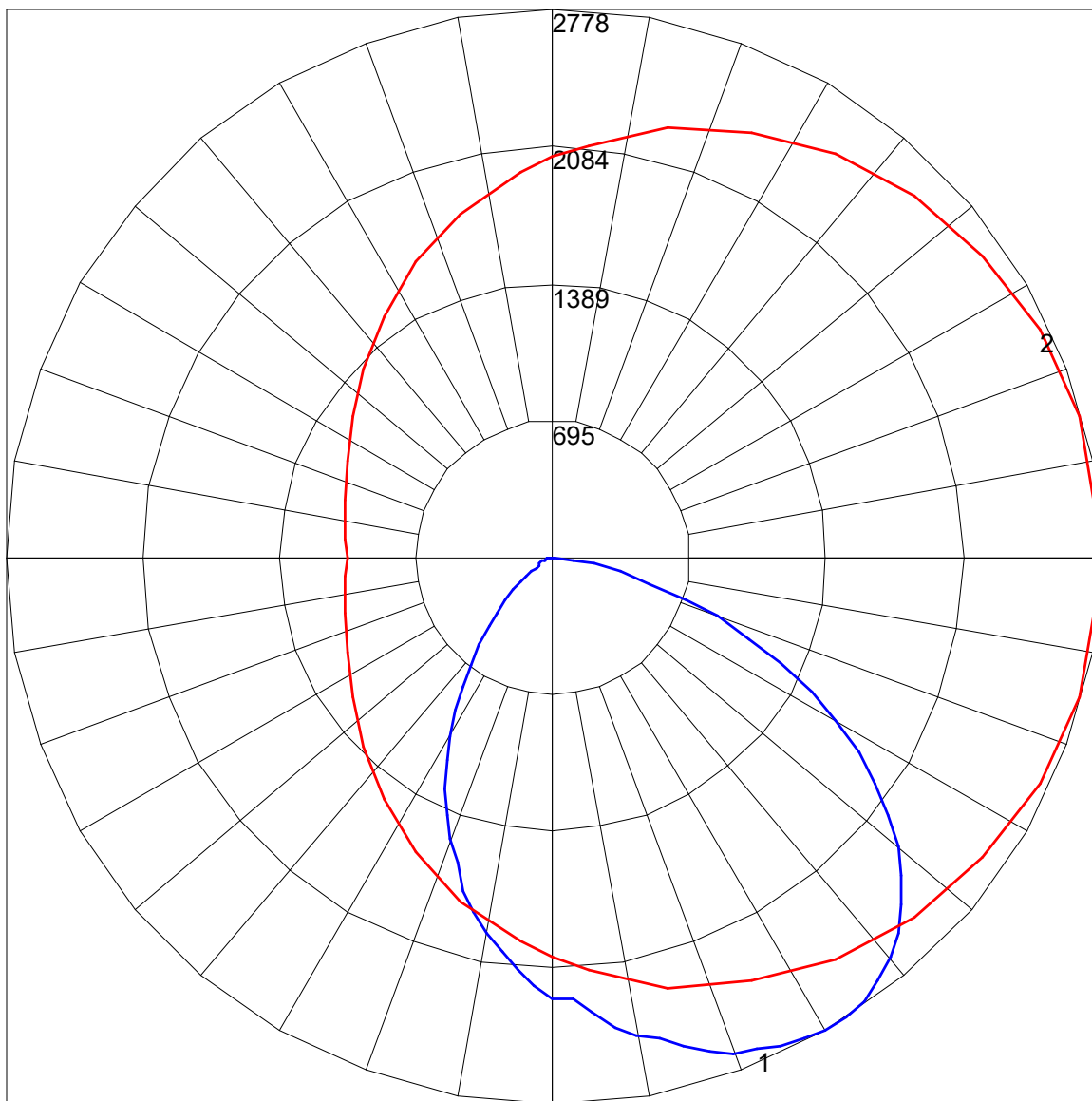
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

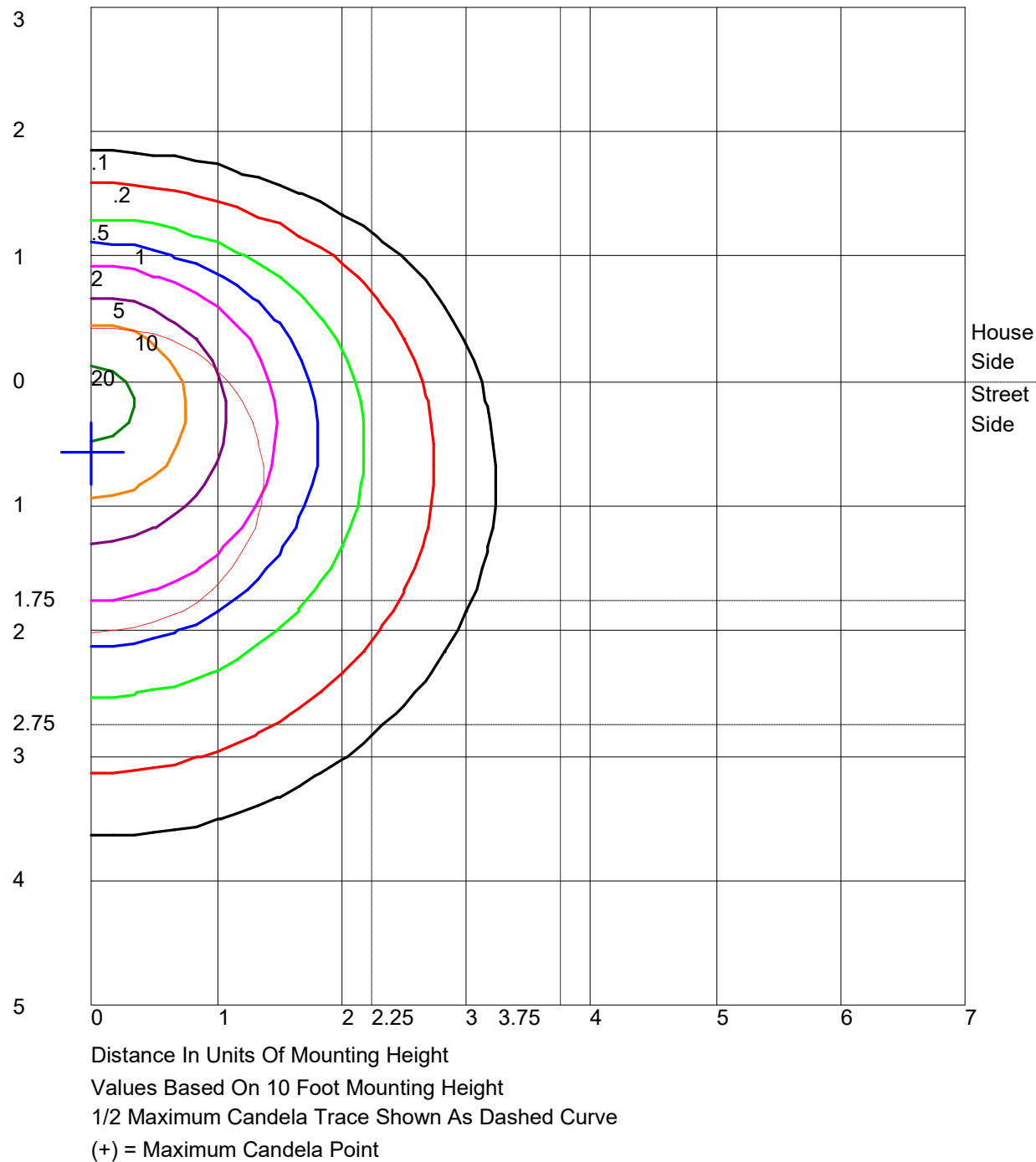
	Lumens	Percent Of Luminaire
Downward Street Side	4192.6	70.0
Downward House Side	1795.5	30.0
Downward Total	5988.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5988.1	100.0

POLAR GRAPH



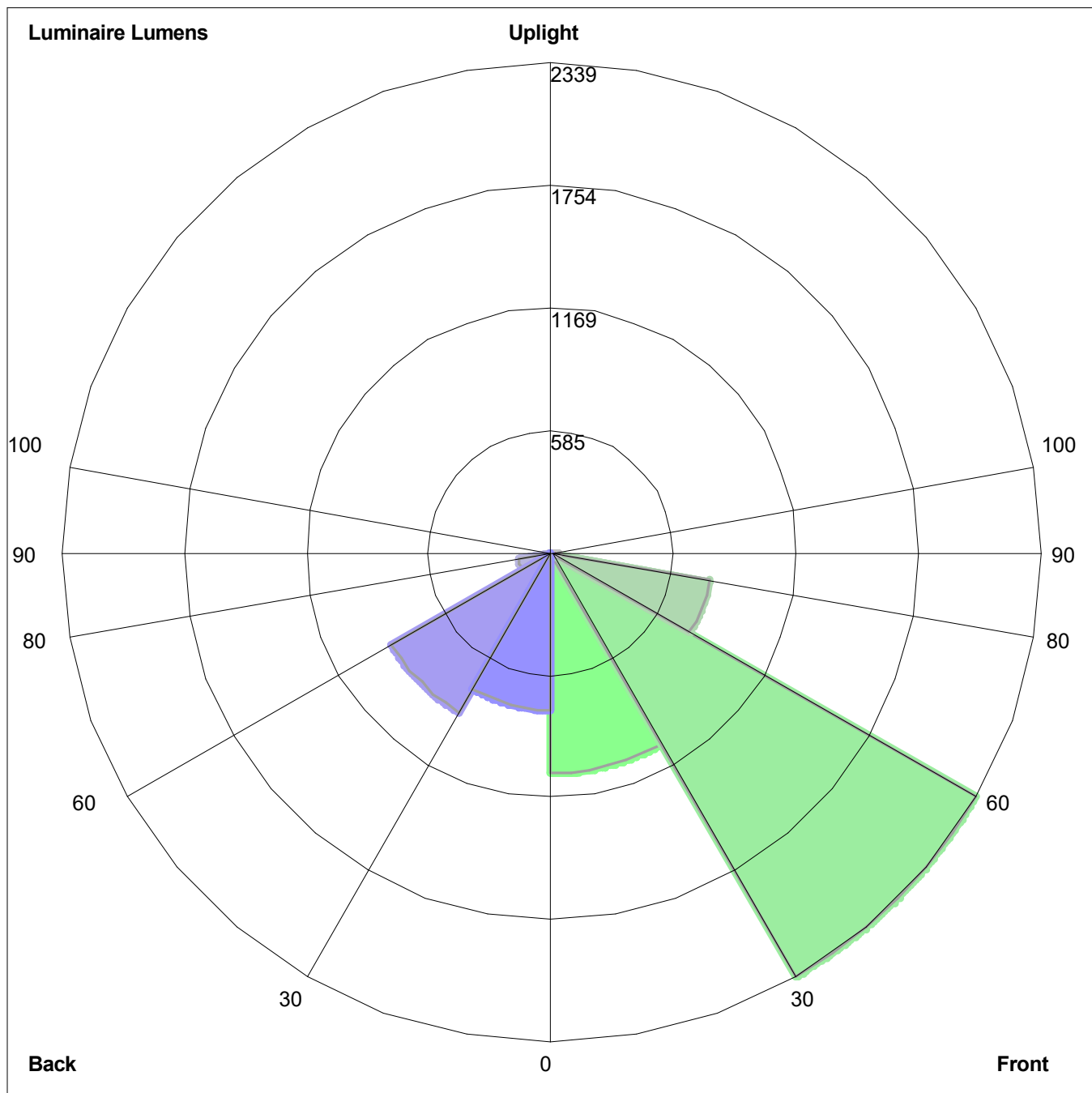
Maximum Candela = 2778 Located At Horizontal Angle = 0, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1054.5, Medium=2338.6, High=765.5, Very High=34.0  
Back: Low=750.4, Medium=878.6, High=158.4, Very High=8.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1