



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSQ-06L-FT-30.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-30
[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] 3000

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5654
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2623
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	2623
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	219 (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)	995.7	N.A.	17.6
FM - Front-Medium (30-60)	2208.0	N.A.	39.1
FH - Front-High (60-80)	722.7	N.A.	12.8
FVH - Front-Very High (80-90)	32.1	N.A.	0.6
BL - Back-Low (0-30)	708.5	N.A.	12.5
BM - Back-Medium (30-60)	829.5	N.A.	14.7
BH - Back-High (60-80)	149.6	N.A.	2.6
BVH - Back-Very High (80-90)	7.8	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	5653.9	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles Horizontal Angles

	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	2121	2121	2121	2121	2121	2121	2121	2121	2121	2121
2.5	2118	2119	2129	2135	2141	2151	2155	2159	2157	2159
5.0	2185	2186	2192	2189	2187	2191	2190	2186	2179	2173
7.5	2273	2275	2281	2279	2282	2275	2251	2225	2202	2189
10.0	2328	2328	2340	2355	2358	2357	2328	2270	2220	2187
12.5	2362	2363	2375	2388	2391	2396	2364	2289	2215	2163
15.0	2427	2423	2427	2433	2418	2402	2367	2304	2215	2153
17.5	2488	2484	2488	2486	2451	2393	2354	2305	2227	2144
20.0	2533	2529	2527	2529	2479	2413	2362	2314	2226	2120
22.5	2559	2554	2561	2559	2502	2442	2377	2314	2228	2100
25.0	2591	2586	2594	2570	2510	2460	2386	2301	2218	2072
27.5	2607	2607	2614	2589	2522	2468	2384	2277	2189	2037
30.0	2623	2613	2616	2580	2517	2452	2355	2240	2139	1985
32.5	2617	2610	2606	2556	2504	2433	2325	2202	2073	1922
35.0	2598	2591	2576	2528	2475	2398	2279	2150	2019	1855
37.5	2564	2558	2539	2501	2433	2338	2225	2093	1942	1782
40.0	2510	2502	2490	2442	2381	2276	2159	2023	1862	1695
42.5	2446	2431	2419	2369	2308	2204	2074	1934	1769	1604
45.0	2365	2355	2336	2284	2215	2120	1990	1841	1671	1506
47.5	2266	2253	2238	2189	2117	2021	1892	1746	1571	1403
50.0	2157	2142	2125	2075	2010	1903	1786	1637	1465	1296
52.5	2026	2023	2003	1955	1879	1781	1656	1514	1349	1188
55.0	1890	1885	1867	1823	1745	1650	1528	1385	1230	1078
57.5	1739	1739	1722	1676	1604	1509	1393	1260	1115	964
60.0	1572	1567	1551	1521	1451	1358	1256	1135	992	853
62.5	1395	1389	1380	1341	1284	1208	1117	1005	875	742
65.0	1209	1206	1190	1165	1124	1057	977	878	760	638
67.5	1024	1020	1008	988	951	903	837	753	642	535
70.0	840	838	827	813	785	754	700	631	535	444
72.5	664	654	655	647	628	599	567	507	435	358
75.0	483	491	492	489	477	462	436	395	339	277
77.5	334	335	346	345	341	333	313	286	250	204
80.0	204	204	207	217	213	219	208	192	166	140
82.5	93	94	98	105	111	116	117	112	98	81
85.0	13	14	18	20	30	41	46	47	44	34
87.5	0	0	1	1	1	1	2	5	7	6
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles Horizontal Angles

	<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>	<u>175</u>
0.0	2121	2121	2121	2121	2121	2121	2121	2121	2121	2121
2.5	2159	2158	2144	2133	2120	2103	2089	2073	2059	2054
5.0	2170	2164	2141	2117	2093	2064	2038	2014	1997	1991
7.5	2179	2167	2129	2095	2062	2026	1992	1955	1927	1913
10.0	2169	2148	2098	2060	2019	1967	1922	1884	1851	1836
12.5	2142	2118	2054	2002	1949	1890	1846	1803	1776	1749
15.0	2127	2095	2019	1955	1885	1810	1759	1723	1695	1666
17.5	2114	2077	1994	1906	1822	1742	1682	1635	1582	1549
20.0	2089	2051	1954	1858	1765	1671	1586	1518	1475	1448
22.5	2059	2011	1908	1790	1689	1579	1485	1412	1371	1337
25.0	2026	1964	1846	1714	1602	1475	1386	1309	1263	1226
27.5	1975	1910	1777	1636	1514	1375	1279	1200	1148	1117

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CANDELA TABULATION - (Cont.)

30.0	1922	1851	1707	1560	1417	1279	1170	1092	1038	1005
32.5	1856	1779	1620	1470	1307	1174	1063	980	920	882
35.0	1780	1703	1534	1370	1201	1068	956	867	804	766
37.5	1702	1612	1440	1267	1094	955	845	756	688	654
40.0	1611	1521	1346	1162	992	849	739	651	582	551
42.5	1508	1424	1252	1055	887	747	628	541	488	460
45.0	1408	1324	1148	949	785	646	528	452	407	382
47.5	1308	1224	1040	849	690	546	444	376	332	313
50.0	1201	1117	935	755	597	461	368	308	268	251
52.5	1093	1010	835	652	506	384	303	247	213	197
55.0	985	907	738	563	428	318	245	197	170	156
57.5	881	805	640	483	358	261	197	158	135	124
60.0	777	706	551	411	294	210	157	127	107	98
62.5	673	612	471	343	240	168	125	100	87	81
65.0	573	518	397	284	194	135	100	80	73	69
67.5	483	436	328	231	156	108	80	66	62	60
70.0	399	354	264	185	123	84	63	55	52	50
72.5	320	284	209	144	94	66	50	45	44	43
75.0	248	220	160	104	70	49	39	37	35	35
77.5	181	161	117	73	49	34	28	27	27	27
80.0	125	111	77	46	30	22	20	19	19	19
82.5	75	64	44	27	17	12	11	11	12	12
85.0	31	29	18	11	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

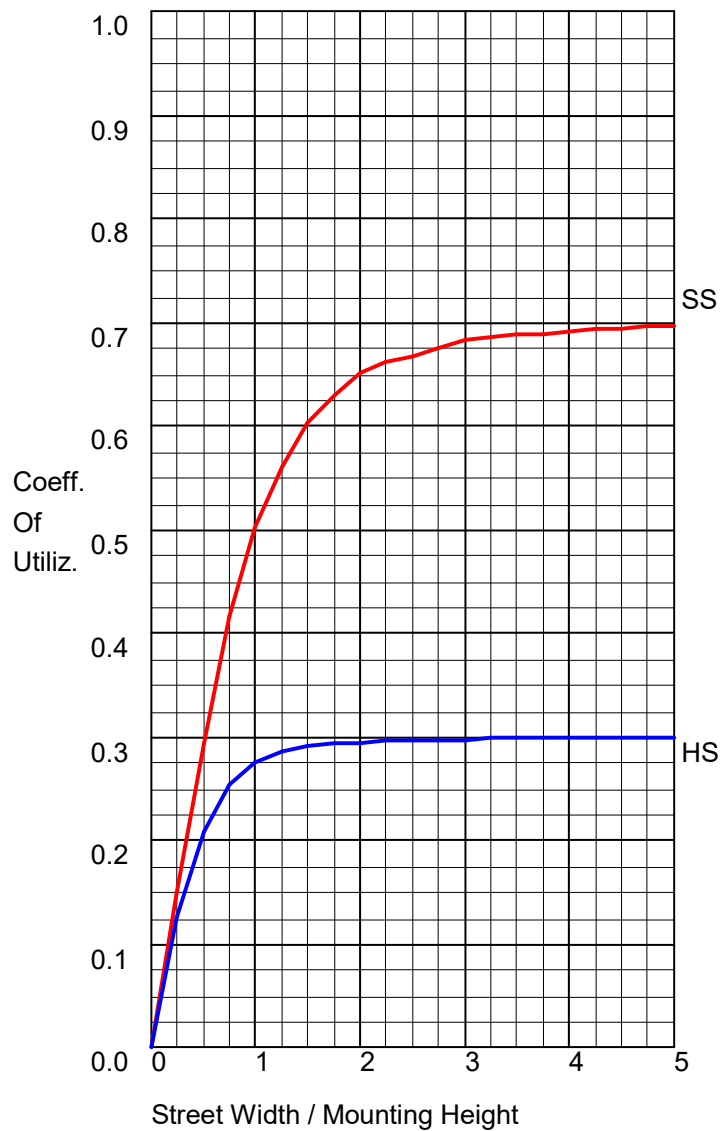
	180
0.0	2121
2.5	2052
5.0	1990
7.5	1913
10.0	1835
12.5	1746
15.0	1662
17.5	1540
20.0	1443
22.5	1335
25.0	1222
27.5	1099
30.0	992
32.5	877
35.0	760
37.5	652
40.0	548
42.5	457
45.0	379
47.5	310
50.0	249
52.5	197
55.0	152
57.5	121
60.0	98
62.5	80
65.0	69

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CANDELA TABULATION - (Cont.)

67.5	60
70.0	50
72.5	44
75.0	35
77.5	27
80.0	19
82.5	12
85.0	7
87.5	1
90.0	0

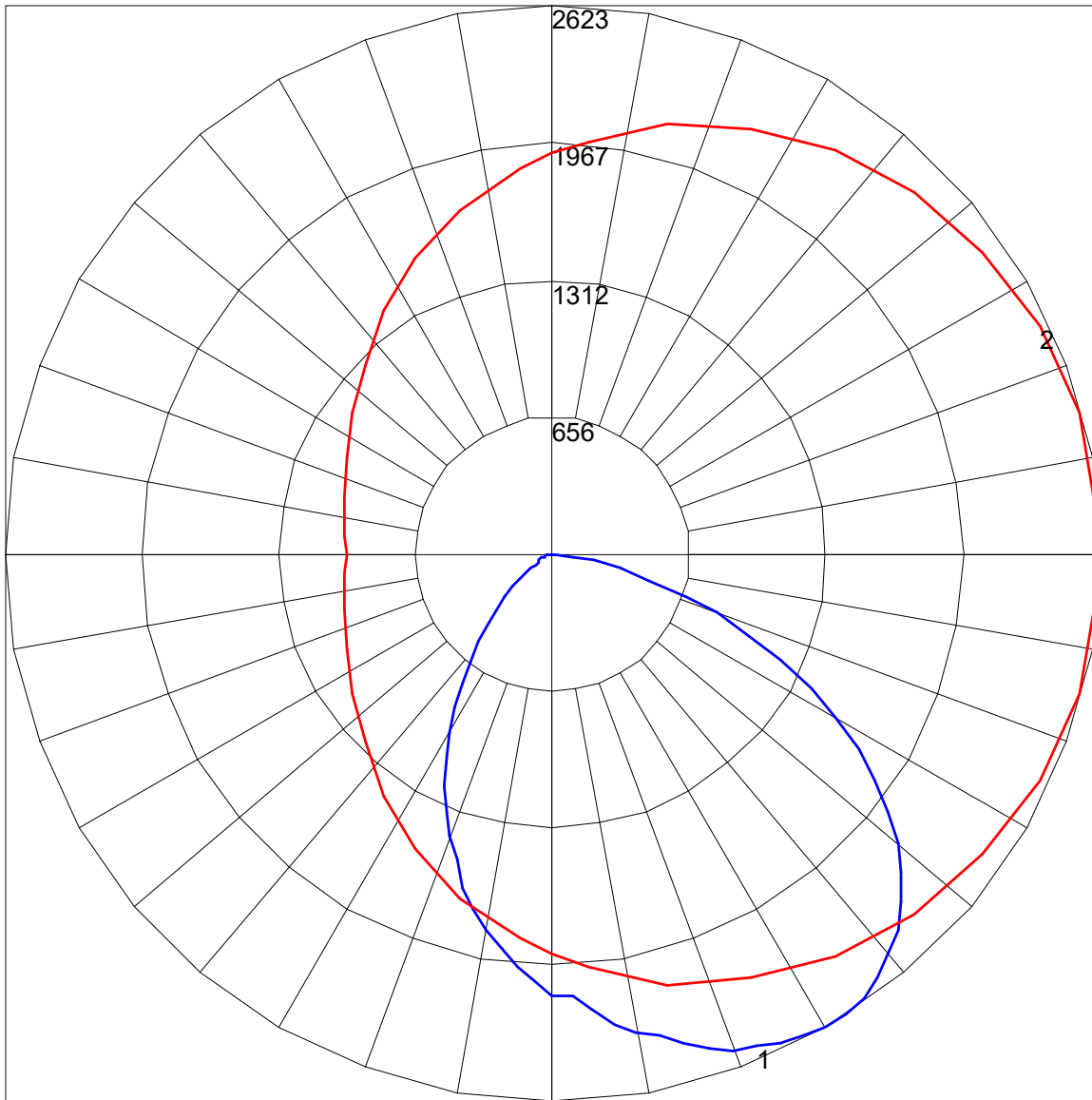
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

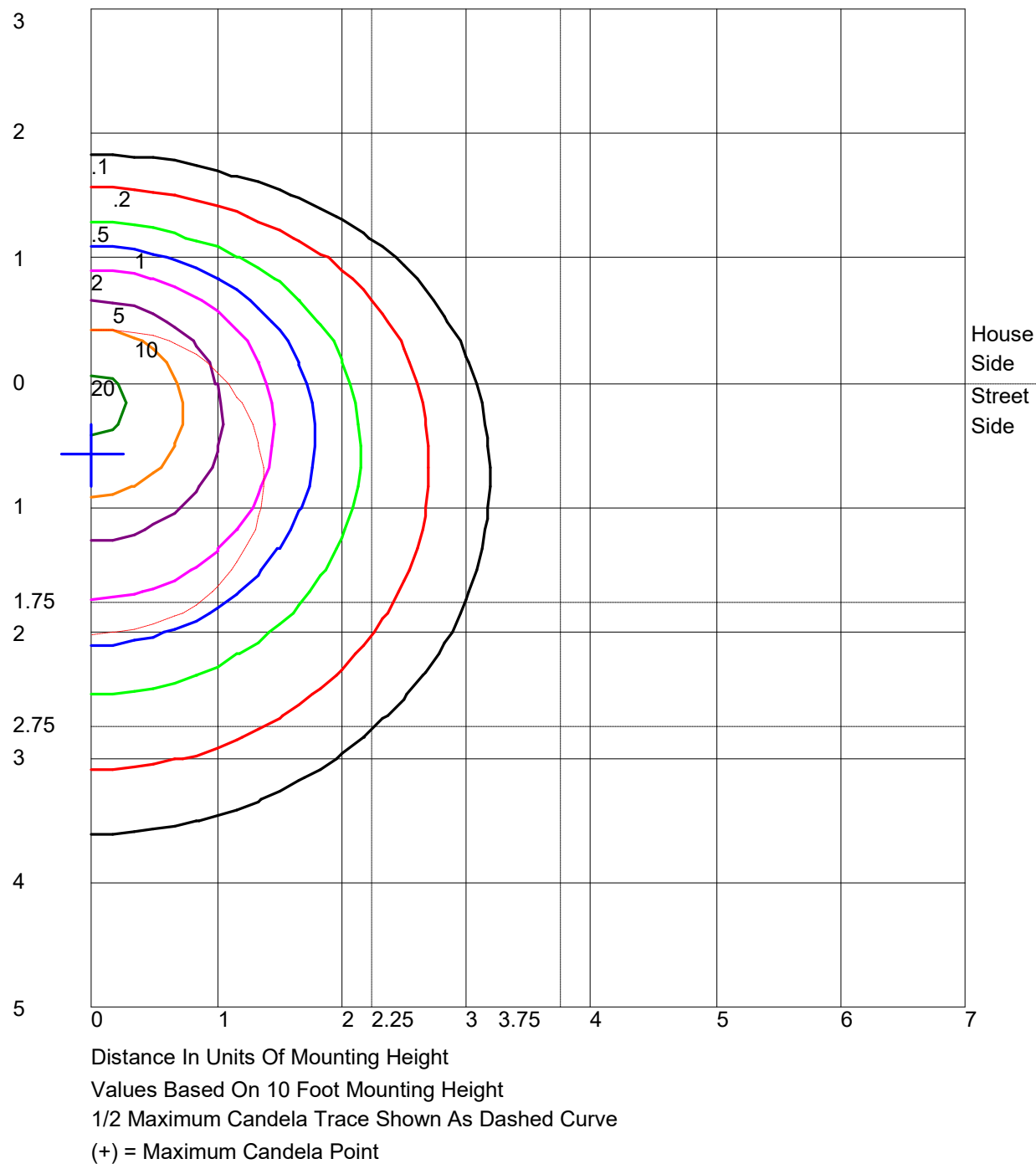
	Lumens	Percent Of Luminaire
Downward Street Side	3958.5	70.0
Downward House Side	1695.3	30.0
Downward Total	5653.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5653.8	100.0

POLAR GRAPH

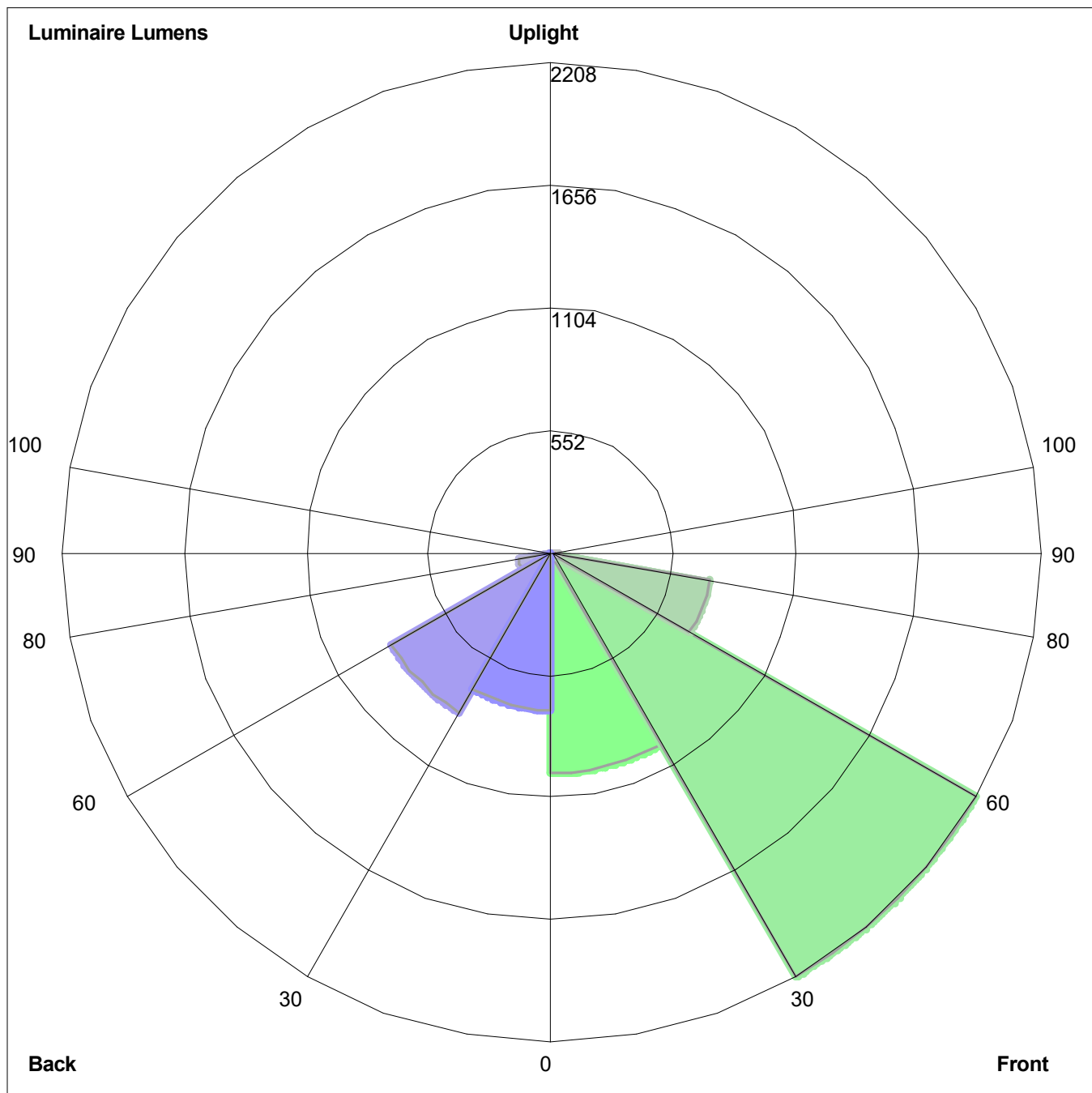


Maximum Candela = 2623 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=995.7, Medium= 2208.0, High=722.7, Very High=32.1
Back: Low=708.5, Medium=829.5, High=149.6, Very High=7.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1