



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12866
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 08/26/2021
[TEST DATE] 07/29/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] GSR-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	5958
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	2722
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	2722
Maximum Candela Angle (<90 Degrees Vertical)	5H 27.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	271 (4.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1040.2	N.A.	17.5
FM - Front-Medium (30-60)	2303.8	N.A.	38.7
FH - Front-High (60-80)	778.3	N.A.	13.1
FVH - Front-Very High (80-90)	38.2	N.A.	0.6
BL - Back-Low (0-30)	733.5	N.A.	12.3
BM - Back-Medium (30-60)	893.1	N.A.	15.0
BH - Back-High (60-80)	162.4	N.A.	2.7
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	5957.7	N.A.	100.0
BUG Rating	B2-U0-G1		

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

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	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215
2.5	2225	2226	2230	2235	2238	2246	2251	2252	2249	2252
5.0	2312	2312	2314	2312	2309	2307	2297	2287	2272	2258
7.5	2413	2413	2413	2406	2396	2379	2353	2319	2282	2255
10.0	2483	2484	2489	2489	2469	2440	2393	2338	2285	2248
12.5	2489	2490	2514	2521	2511	2477	2438	2378	2304	2246
15.0	2512	2515	2525	2527	2503	2500	2481	2420	2321	2247
17.5	2599	2597	2599	2568	2518	2511	2508	2441	2334	2235
20.0	2662	2666	2662	2625	2568	2516	2494	2446	2339	2215
22.5	2691	2693	2690	2657	2628	2548	2471	2433	2335	2195
25.0	2709	2705	2697	2666	2656	2581	2477	2410	2317	2157
27.5	2719	2722	2716	2662	2652	2586	2485	2374	2292	2116
30.0	2693	2703	2703	2672	2632	2569	2477	2336	2248	2073
32.5	2678	2680	2669	2646	2604	2538	2444	2302	2194	2014
35.0	2676	2678	2655	2612	2554	2490	2398	2256	2123	1945
37.5	2664	2672	2636	2587	2497	2429	2331	2198	2032	1862
40.0	2614	2613	2587	2554	2455	2356	2257	2127	1945	1766
42.5	2534	2531	2508	2477	2396	2283	2168	2036	1848	1676
45.0	2444	2443	2410	2383	2329	2204	2079	1930	1744	1563
47.5	2356	2348	2316	2274	2223	2114	1972	1817	1641	1452
50.0	2259	2253	2217	2163	2100	2006	1858	1689	1525	1344
52.5	2134	2137	2100	2049	1966	1877	1734	1568	1399	1225
55.0	1996	2000	1968	1921	1831	1737	1592	1444	1275	1106
57.5	1843	1849	1824	1777	1698	1582	1457	1309	1146	991
60.0	1682	1679	1670	1620	1549	1430	1315	1174	1021	874
62.5	1508	1508	1491	1446	1379	1280	1166	1040	896	756
65.0	1325	1325	1309	1266	1212	1124	1019	907	775	648
67.5	1136	1137	1117	1089	1034	965	876	776	659	541
70.0	949	940	934	911	865	809	733	648	544	446
72.5	767	756	751	735	698	651	598	523	441	359
75.0	575	581	579	567	541	504	454	408	344	278
77.5	410	417	418	410	392	370	335	296	255	206
80.0	262	269	271	268	259	243	226	201	171	140
82.5	129	129	133	143	139	137	130	118	101	82
85.0	25	25	29	32	44	51	55	52	45	38
87.5	1	0	1	1	1	1	4	8	8	7
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	2215	2215	2215	2215	2215	2215	2215	2215	2215	2215
2.5	2252	2246	2235	2224	2212	2199	2183	2163	2153	2146
5.0	2252	2239	2215	2190	2166	2140	2113	2088	2071	2059
7.5	2242	2221	2183	2143	2108	2073	2038	2002	1976	1965
10.0	2230	2206	2150	2088	2036	1991	1959	1925	1907	1897
12.5	2222	2198	2123	2045	1972	1926	1888	1856	1837	1819
15.0	2216	2178	2088	1997	1931	1879	1823	1775	1746	1733
17.5	2193	2144	2039	1948	1880	1807	1736	1682	1640	1630
20.0	2167	2119	2000	1896	1818	1731	1645	1571	1525	1515
22.5	2139	2082	1939	1837	1743	1645	1541	1471	1431	1411
25.0	2098	2032	1875	1772	1660	1539	1444	1379	1326	1306
27.5	2051	1975	1812	1696	1570	1441	1353	1275	1221	1195

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

CANDELA TABULATION - (Cont.)

30.0	1994	1913	1746	1617	1469	1348	1249	1167	1111	1086
32.5	1927	1834	1661	1526	1365	1245	1140	1063	1004	974
35.0	1845	1752	1575	1419	1259	1133	1033	955	894	861
37.5	1758	1659	1482	1316	1160	1026	929	845	776	744
40.0	1663	1560	1389	1214	1056	923	815	729	668	638
42.5	1558	1459	1287	1107	950	821	709	619	568	540
45.0	1453	1354	1184	1002	848	720	601	525	480	460
47.5	1346	1239	1067	898	750	617	511	446	406	388
50.0	1233	1130	961	798	658	526	430	374	337	317
52.5	1121	1020	858	698	563	441	360	308	275	257
55.0	1005	912	756	603	478	369	296	251	221	207
57.5	896	806	657	521	399	305	243	203	180	165
60.0	789	701	565	443	332	247	197	163	143	133
62.5	685	607	481	373	272	201	159	130	116	109
65.0	580	516	406	309	221	162	126	103	94	89
67.5	482	431	337	251	176	129	99	83	76	72
70.0	397	351	275	201	138	100	79	66	61	59
72.5	319	281	216	154	106	78	60	52	49	49
75.0	247	217	165	112	79	58	45	40	39	39
77.5	182	159	118	79	55	40	32	30	30	30
80.0	124	109	79	52	35	26	22	22	22	22
82.5	75	64	45	29	19	14	13	13	13	13
85.0	32	30	20	12	8	6	6	6	7	7
87.5	7	6	4	2	2	1	1	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

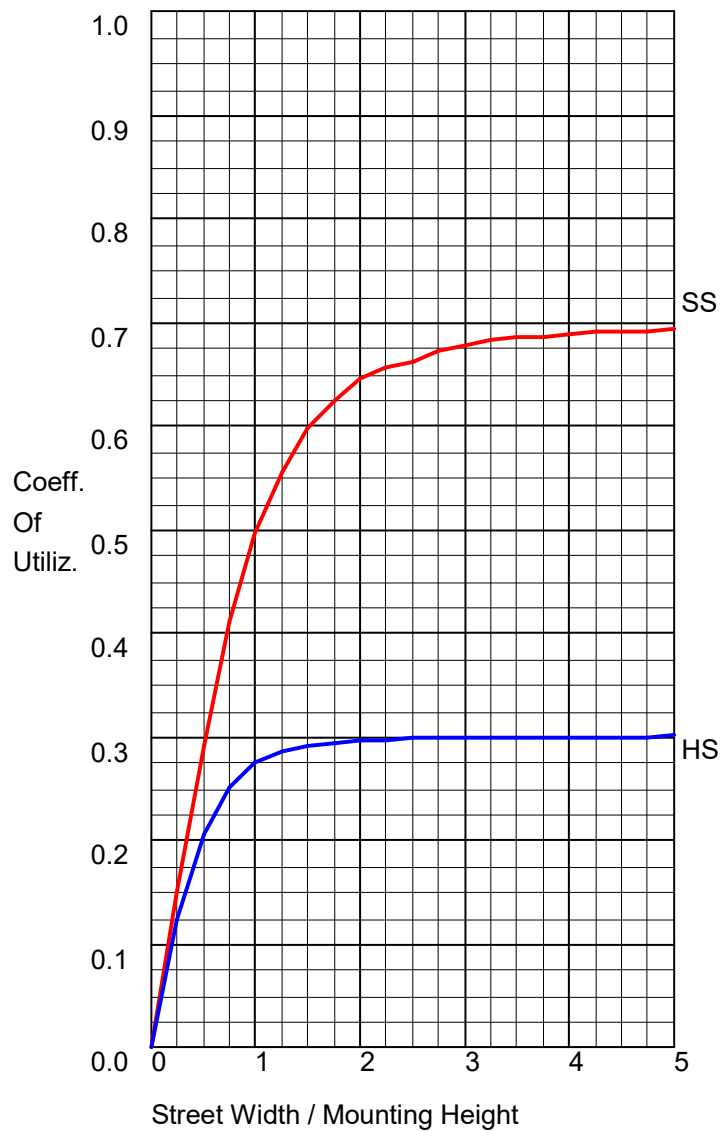
	180
0.0	2215
2.5	2146
5.0	2057
7.5	1962
10.0	1894
12.5	1816
15.0	1731
17.5	1629
20.0	1511
22.5	1416
25.0	1312
27.5	1191
30.0	1084
32.5	969
35.0	858
37.5	741
40.0	634
42.5	538
45.0	457
47.5	385
50.0	318
52.5	258
55.0	203
57.5	163
60.0	131
62.5	107
65.0	88

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

CANDELA TABULATION - (Cont.)

67.5	72
70.0	59
72.5	49
75.0	39
77.5	29
80.0	22
82.5	14
85.0	7
87.5	0
90.0	0

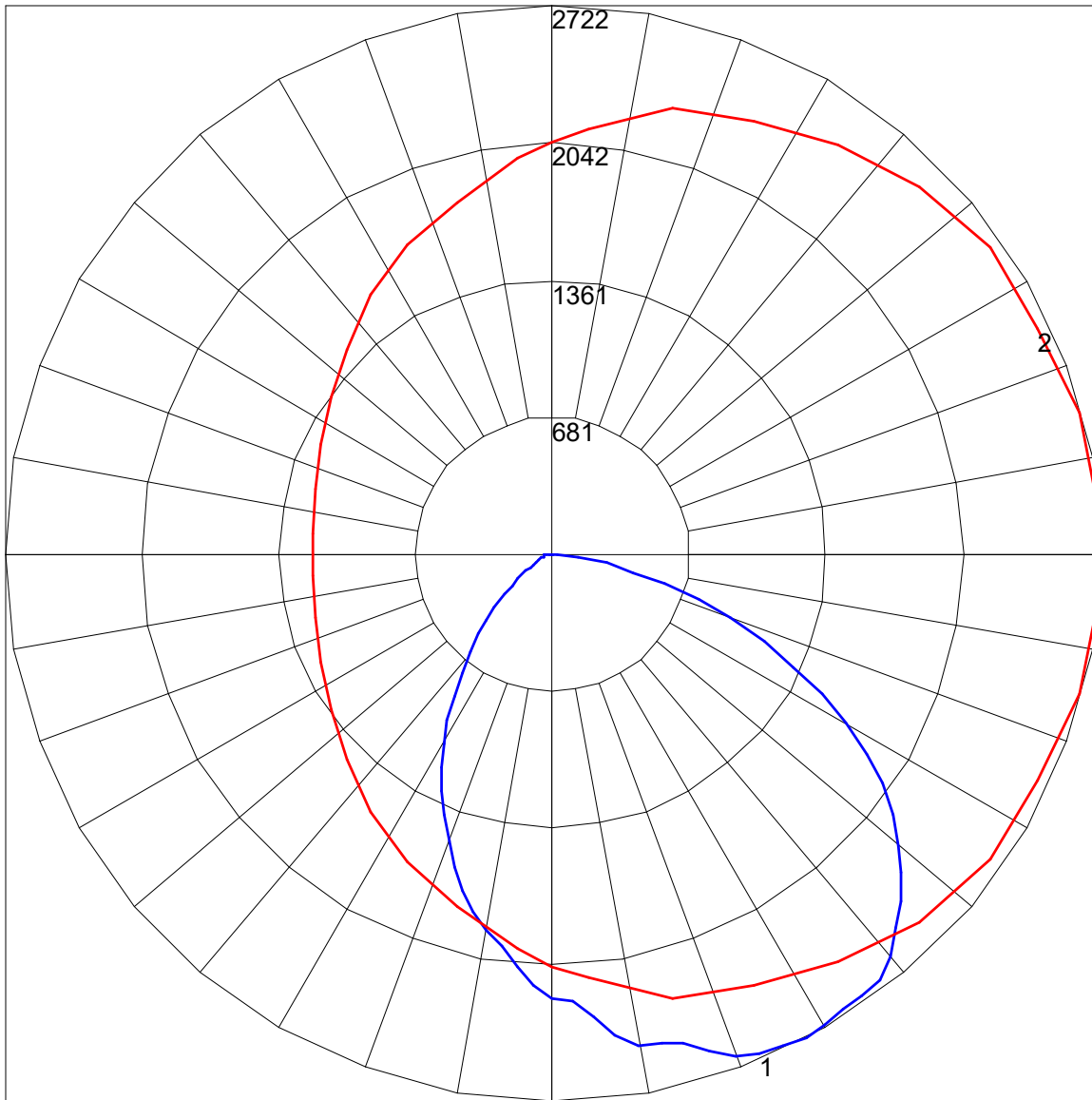
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

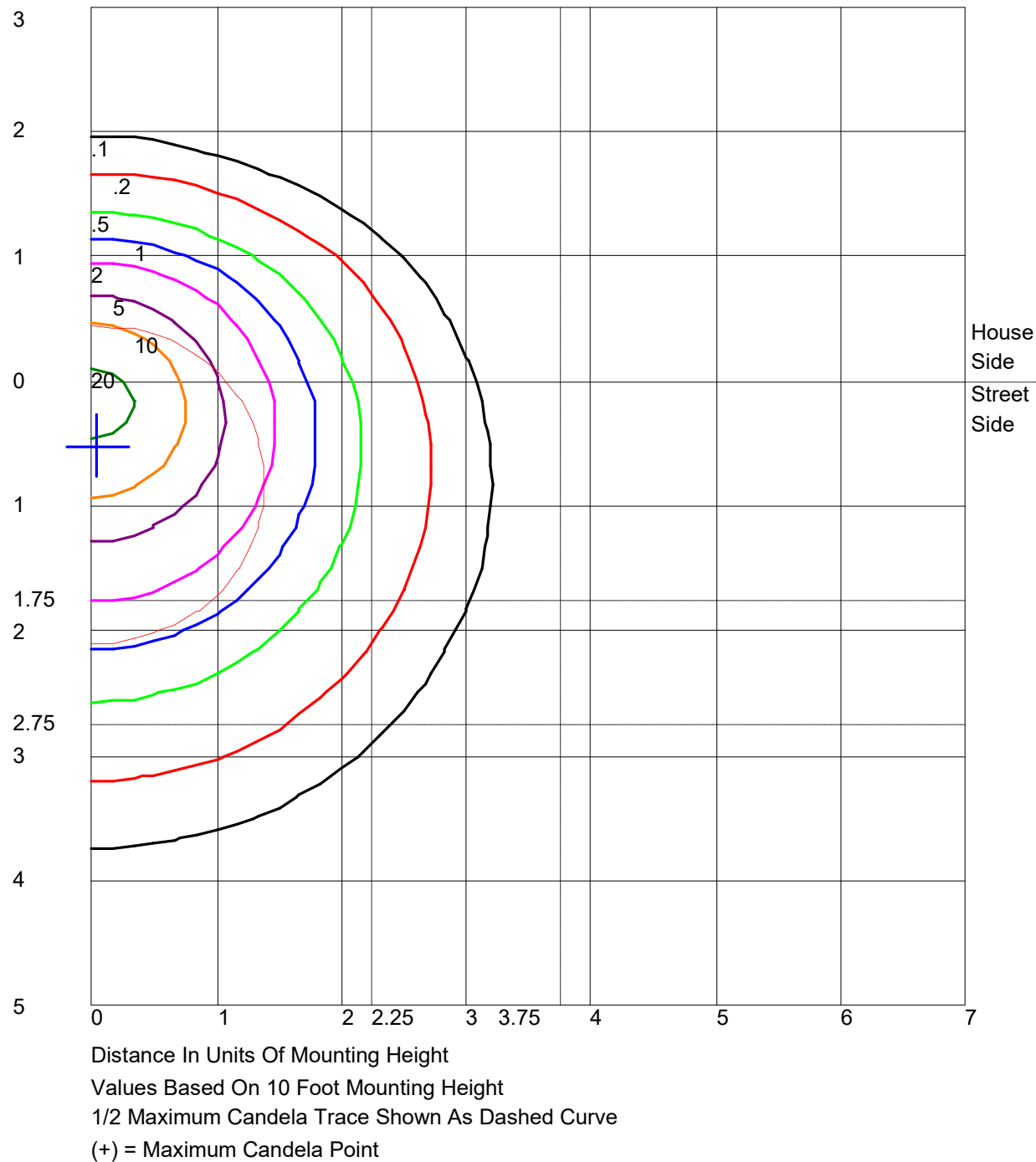
	Lumens	Percent Of Luminaire
Downward Street Side	4160.6	69.8
Downward House Side	1797.2	30.2
Downward Total	5957.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5957.8	100.0

POLAR GRAPH

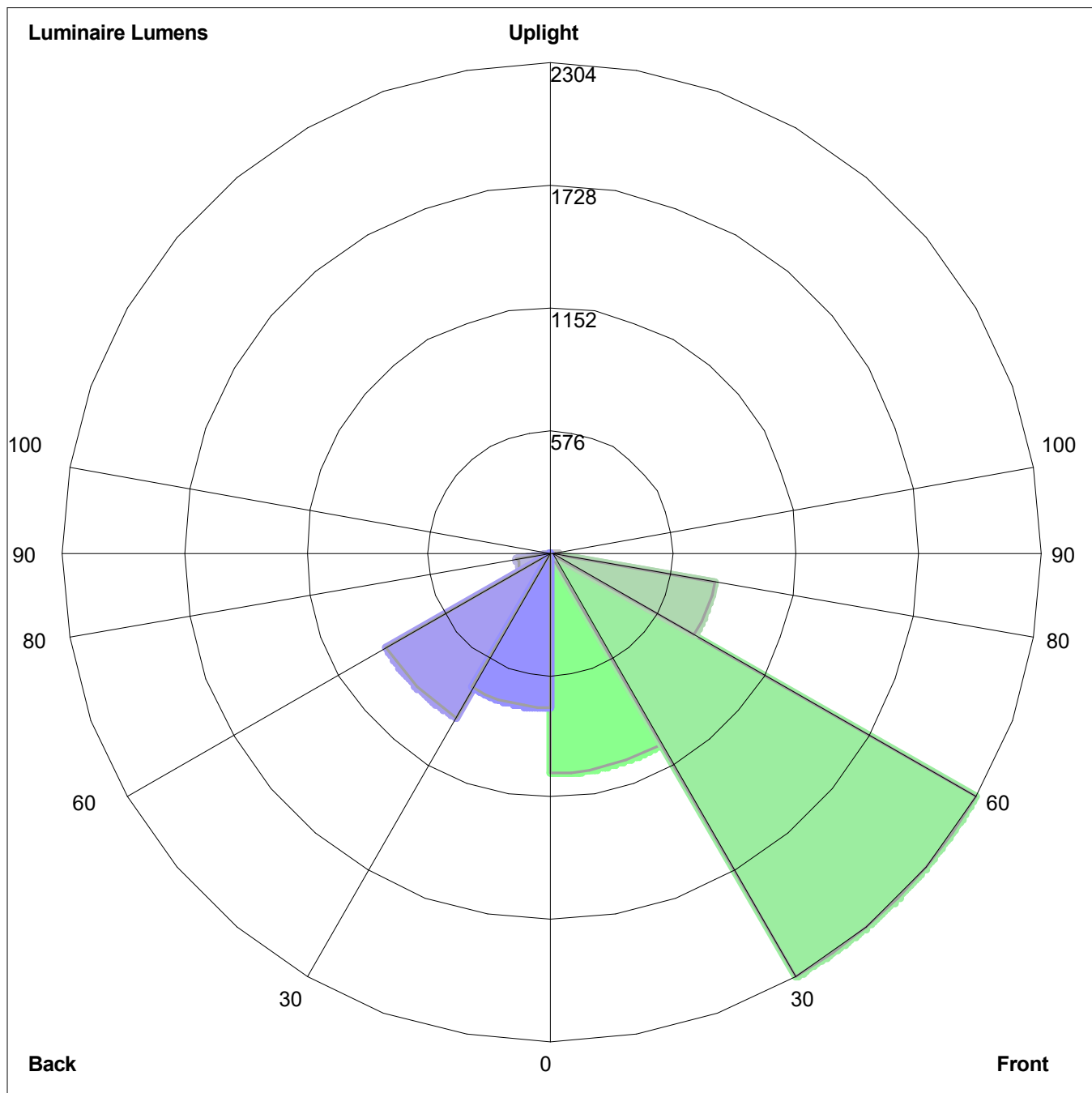


Maximum Candela = 2722 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1040.2, Medium=2303.8, High=778.3, Very High=38.2
Back: Low=733.5, Medium=893.1, High=162.4, Very High=8.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1