



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-06L-FT-40.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-40
[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] 4000

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5940
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2714
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	2714
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	270 (4.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1037.1	N.A.	17.5
FM - Front-Medium (30-60)	2296.9	N.A.	38.7
FH - Front-High (60-80)	775.9	N.A.	13.1
FVH - Front-Very High (80-90)	38.2	N.A.	0.6
BL - Back-Low (0-30)	731.3	N.A.	12.3
BM - Back-Medium (30-60)	890.4	N.A.	15.0
BH - Back-High (60-80)	162.1	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	5940.1	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	2208	2208	2208	2208	2208	2208	2208	2208	2208	2208
2.5	2218	2219	2223	2228	2231	2239	2244	2245	2242	2245
5.0	2305	2305	2307	2305	2302	2300	2290	2280	2265	2251
7.5	2406	2406	2406	2399	2389	2372	2346	2312	2275	2248
10.0	2476	2477	2482	2482	2462	2433	2386	2331	2278	2241
12.5	2482	2483	2506	2513	2503	2470	2431	2371	2297	2239
15.0	2504	2507	2517	2519	2496	2493	2474	2413	2314	2240
17.5	2591	2589	2591	2560	2510	2503	2500	2434	2327	2228
20.0	2654	2658	2654	2617	2560	2508	2487	2439	2332	2208
22.5	2683	2685	2682	2649	2620	2540	2464	2426	2328	2188
25.0	2701	2697	2689	2658	2648	2573	2470	2403	2310	2151
27.5	2711	2714	2708	2654	2644	2578	2478	2367	2285	2110
30.0	2685	2695	2695	2664	2624	2561	2470	2329	2241	2067
32.5	2670	2672	2661	2638	2596	2530	2437	2295	2187	2008
35.0	2668	2670	2647	2604	2546	2483	2391	2249	2117	1939
37.5	2656	2664	2628	2579	2490	2422	2324	2191	2026	1856
40.0	2606	2605	2579	2546	2448	2349	2250	2121	1939	1761
42.5	2526	2523	2500	2470	2389	2276	2162	2030	1842	1671
45.0	2437	2436	2403	2376	2322	2197	2073	1924	1739	1558
47.5	2349	2341	2309	2267	2216	2108	1966	1812	1636	1448
50.0	2252	2246	2210	2157	2094	2000	1852	1684	1520	1340
52.5	2128	2131	2094	2043	1960	1871	1729	1563	1395	1221
55.0	1990	1994	1962	1915	1826	1732	1587	1440	1271	1103
57.5	1837	1843	1819	1772	1693	1577	1453	1305	1143	988
60.0	1677	1674	1665	1615	1544	1426	1311	1170	1018	871
62.5	1503	1503	1487	1442	1375	1276	1163	1037	893	754
65.0	1321	1321	1305	1262	1208	1121	1016	904	773	646
67.5	1133	1134	1114	1086	1031	962	873	774	657	539
70.0	946	937	931	908	862	807	731	646	542	445
72.5	765	754	749	733	696	649	596	521	440	358
75.0	573	579	577	565	539	502	453	407	343	277
77.5	409	416	417	409	391	369	334	295	254	205
80.0	261	268	270	267	258	242	225	200	170	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									
	90	95	105	115	125	135	145	155	165	175
0.0	2208	2208	2208	2208	2208	2208	2208	2208	2208	2208
2.5	2245	2239	2228	2217	2205	2192	2176	2157	2147	2140
5.0	2245	2232	2208	2183	2160	2134	2107	2082	2065	2053
7.5	2235	2214	2176	2137	2102	2067	2032	1996	1970	1959
10.0	2223	2199	2144	2082	2030	1985	1953	1919	1901	1891
12.5	2215	2191	2117	2039	1966	1920	1882	1850	1832	1814
15.0	2209	2171	2082	1991	1925	1873	1818	1770	1741	1728
17.5	2186	2138	2033	1942	1874	1802	1731	1677	1635	1625
20.0	2161	2113	1994	1890	1813	1726	1640	1566	1520	1510
22.5	2133	2076	1933	1832	1738	1640	1536	1467	1427	1407
25.0	2092	2026	1869	1767	1655	1534	1440	1375	1322	1302
27.5	2045	1969	1807	1691	1565	1437	1349	1271	1217	1191

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CANDELA TABULATION - (Cont.)

30.0	1988	1907	1741	1612	1465	1344	1245	1164	1108	1083
32.5	1921	1829	1656	1521	1361	1241	1137	1060	1001	971
35.0	1839	1747	1570	1415	1255	1130	1030	952	891	858
37.5	1753	1654	1478	1312	1157	1023	926	842	774	742
40.0	1658	1555	1385	1210	1053	920	813	727	666	636
42.5	1553	1455	1283	1104	947	819	707	617	566	538
45.0	1449	1350	1180	999	845	718	599	523	479	459
47.5	1342	1235	1064	895	748	615	509	445	405	387
50.0	1229	1127	958	796	656	524	429	373	336	316
52.5	1118	1017	855	696	561	440	359	307	274	256
55.0	1002	909	754	601	477	368	295	250	220	206
57.5	893	804	655	519	398	304	242	202	179	165
60.0	787	699	563	442	331	246	196	163	143	133
62.5	683	605	480	372	271	200	159	130	116	109
65.0	578	514	405	308	220	162	126	103	94	89
67.5	481	430	336	250	175	129	99	83	76	72
70.0	396	350	274	200	138	100	79	66	61	59
72.5	318	280	215	154	106	78	60	52	49	49
75.0	246	216	165	112	79	58	45	40	39	39
77.5	181	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

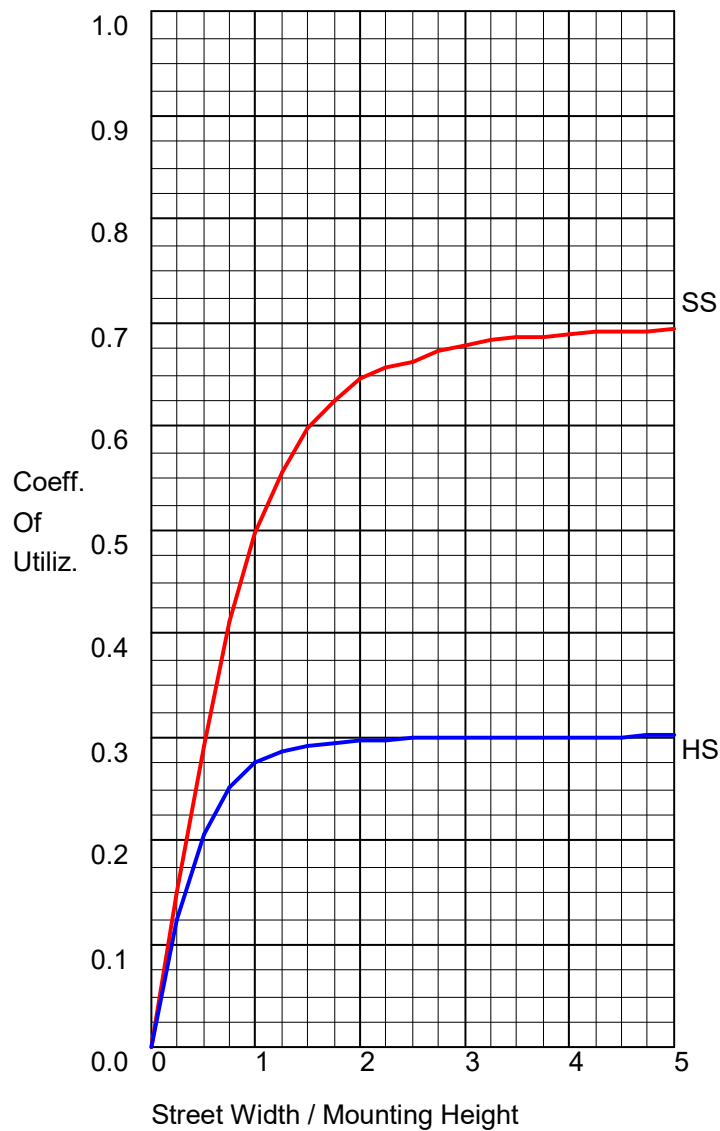
	180
0.0	2208
2.5	2140
5.0	2051
7.5	1956
10.0	1888
12.5	1811
15.0	1726
17.5	1624
20.0	1506
22.5	1412
25.0	1308
27.5	1187
30.0	1081
32.5	966
35.0	855
37.5	739
40.0	632
42.5	536
45.0	456
47.5	384
50.0	317
52.5	257
55.0	202
57.5	163
60.0	131
62.5	107
65.0	88

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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

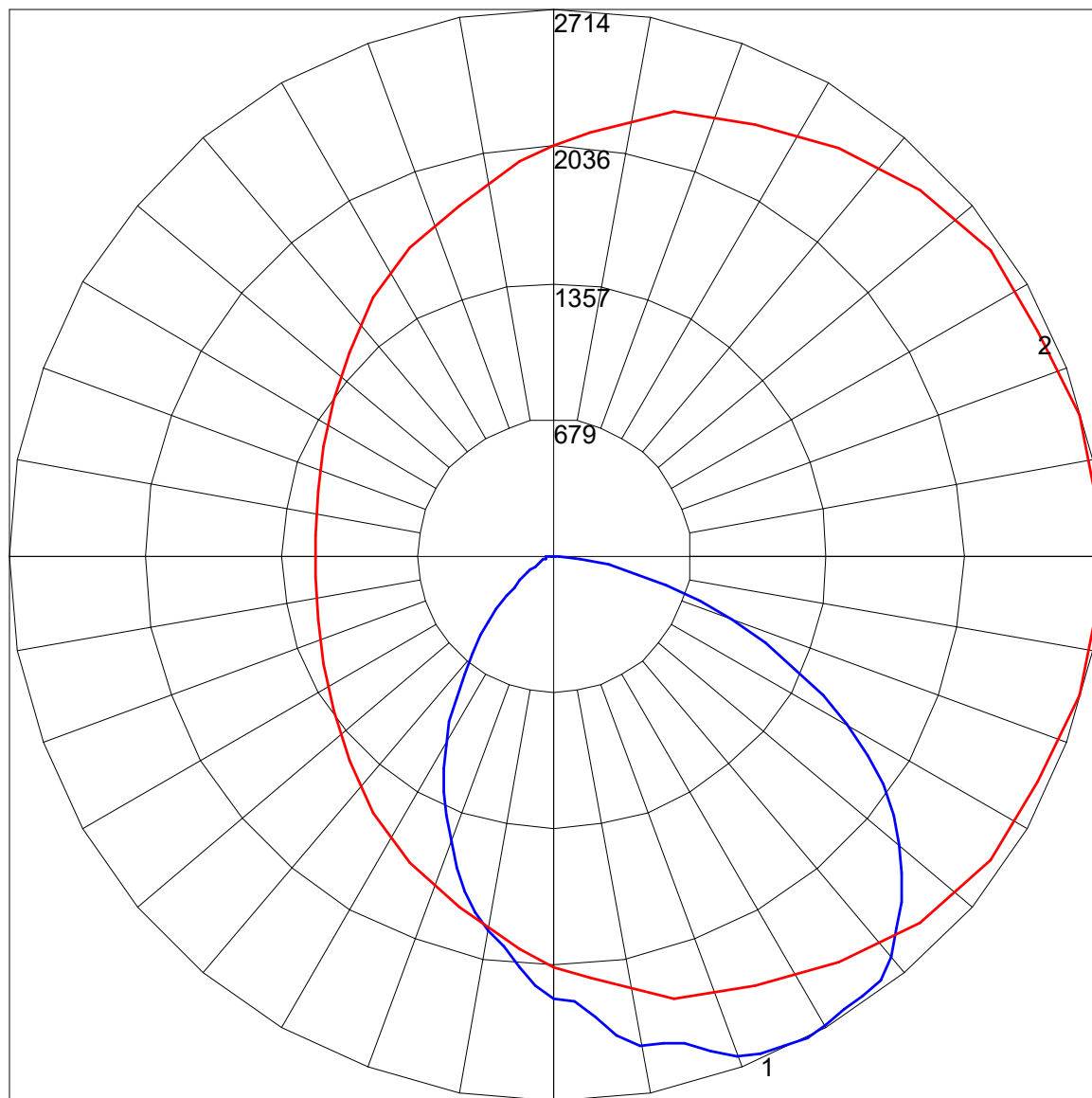
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

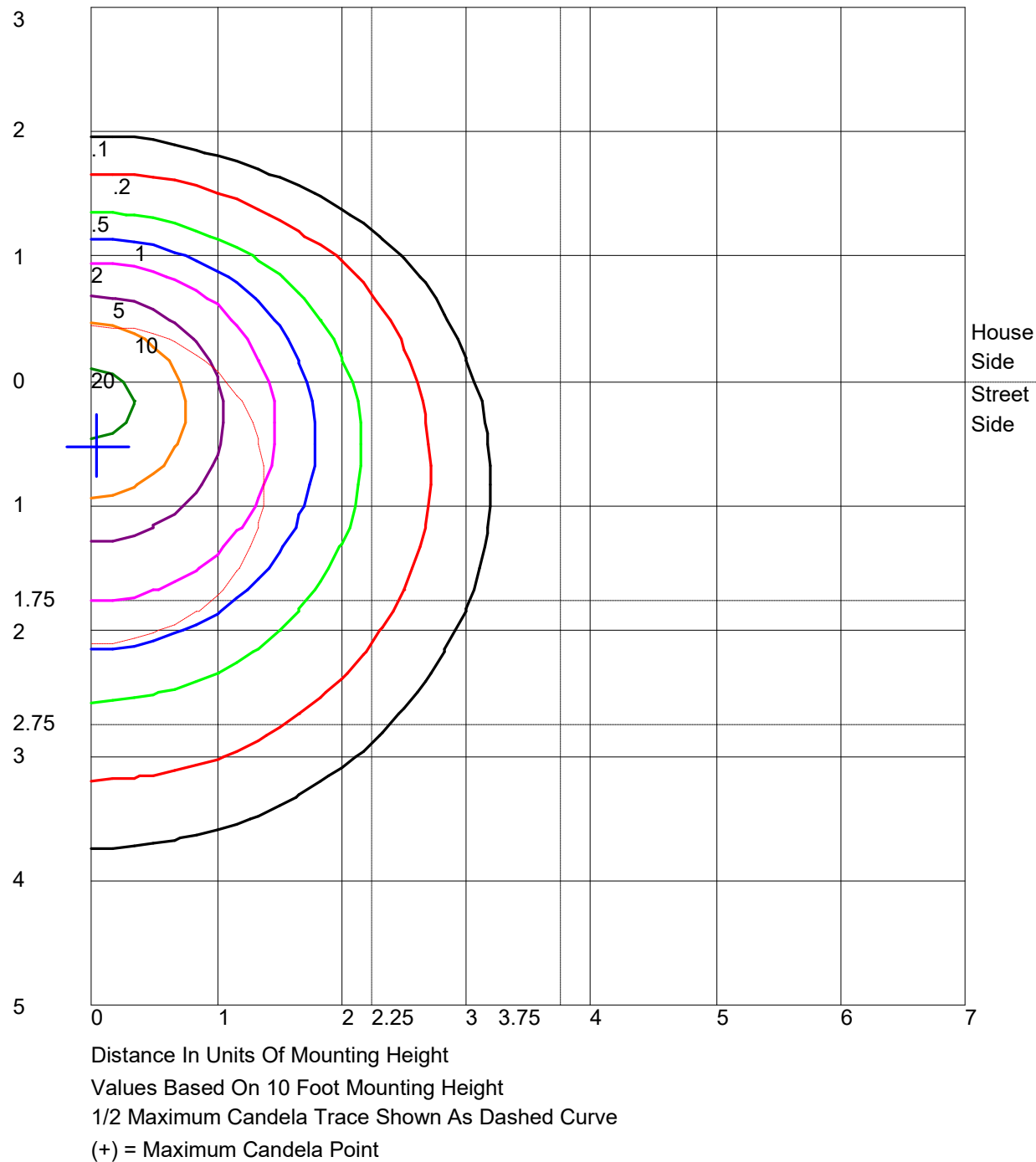
	Lumens	Percent Of Luminaire
Downward Street Side	4148.1	69.8
Downward House Side	1792.0	30.2
Downward Total	5940.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5940.1	100.0

POLAR GRAPH

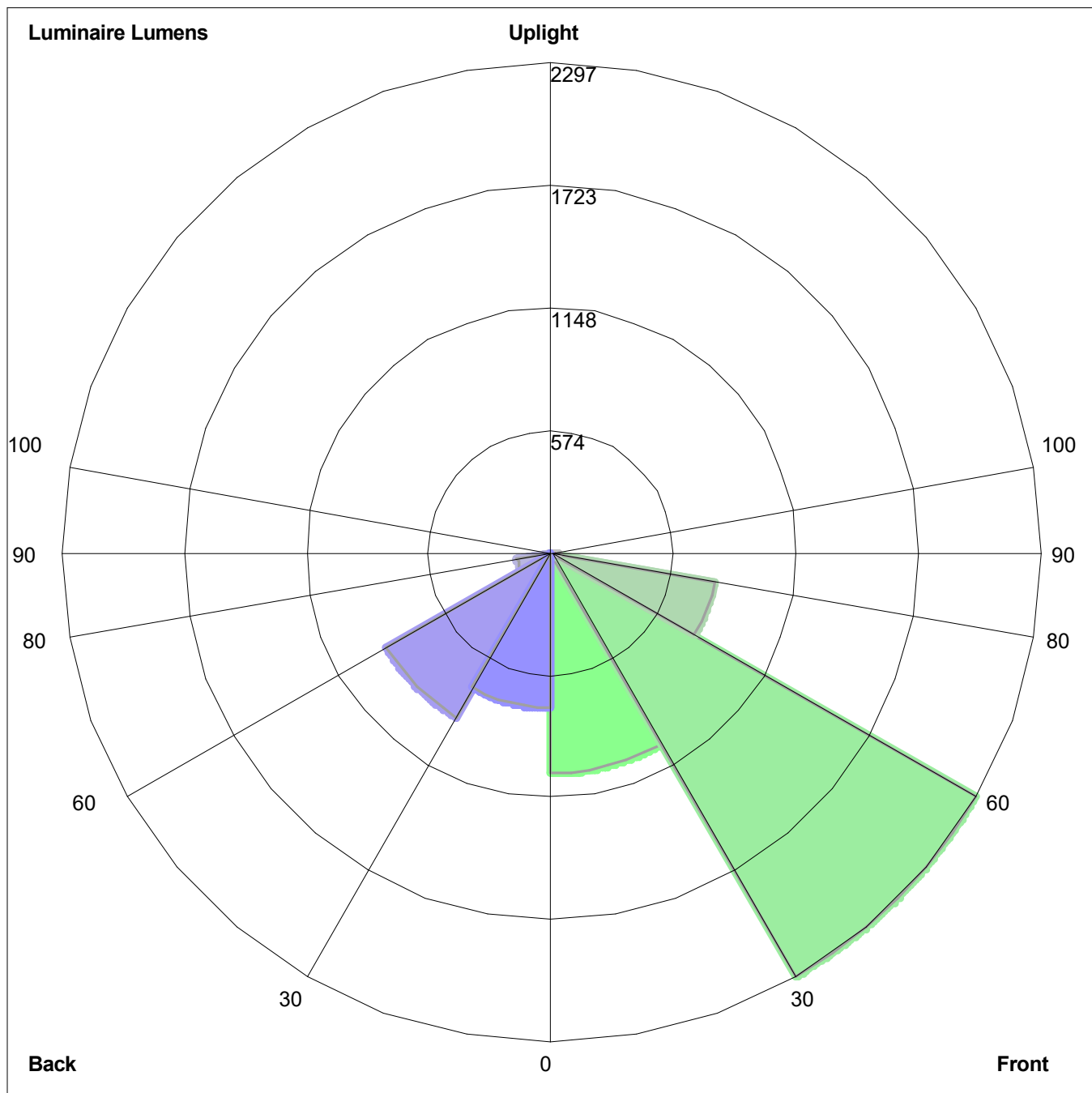


Maximum Candela = 2714 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1037.1, Medium=2296.9, High=775.9, Very High=38.2
Back: Low=731.3, Medium=890.4, High=162.1, Very High=8.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1