



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-06L-FT-30.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-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	5625
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	2570
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	2570
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	256 (4.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-06L-FT-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	982.1	N.A.	17.5
FM - Front-Medium (30-60)	2175.2	N.A.	38.7
FH - Front-High (60-80)	734.7	N.A.	13.1
FVH - Front-Very High (80-90)	36.2	N.A.	0.6
BL - Back-Low (0-30)	692.6	N.A.	12.3
BM - Back-Medium (30-60)	843.2	N.A.	15.0
BH - Back-High (60-80)	153.5	N.A.	2.7
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	5625.3	N.A.	100.0
BUG Rating	B2-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-06L-FT-30.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	2091	2091	2091	2091	2091	2091	2091	2091	2091	2091
2.5	2100	2101	2105	2110	2113	2120	2125	2126	2123	2126
5.0	2183	2183	2185	2183	2180	2178	2169	2159	2145	2132
7.5	2278	2278	2278	2272	2262	2246	2222	2189	2154	2129
10.0	2345	2346	2350	2350	2332	2304	2260	2207	2157	2122
12.5	2350	2351	2373	2380	2370	2339	2302	2245	2175	2120
15.0	2371	2374	2384	2385	2364	2361	2343	2285	2191	2121
17.5	2454	2452	2454	2424	2377	2370	2368	2305	2204	2110
20.0	2513	2517	2513	2478	2424	2375	2355	2310	2208	2091
22.5	2541	2543	2540	2509	2481	2405	2333	2297	2205	2072
25.0	2558	2554	2546	2517	2508	2437	2339	2276	2188	2037
27.5	2567	2570	2564	2513	2504	2441	2347	2242	2164	1998
30.0	2543	2552	2552	2523	2485	2425	2339	2206	2122	1957
32.5	2528	2530	2520	2498	2458	2396	2308	2173	2071	1902
35.0	2527	2528	2507	2466	2411	2351	2264	2130	2005	1836
37.5	2515	2523	2489	2442	2358	2294	2201	2075	1919	1758
40.0	2468	2467	2442	2411	2318	2225	2131	2009	1836	1668
42.5	2392	2389	2368	2339	2262	2155	2047	1922	1744	1582
45.0	2308	2307	2276	2250	2199	2081	1963	1822	1647	1475
47.5	2225	2217	2187	2147	2099	1996	1862	1716	1549	1371
50.0	2133	2127	2093	2043	1983	1894	1754	1595	1439	1269
52.5	2015	2018	1983	1935	1856	1772	1637	1480	1321	1156
55.0	1885	1888	1858	1814	1729	1640	1503	1364	1204	1045
57.5	1740	1745	1723	1678	1603	1493	1376	1236	1082	936
60.0	1588	1585	1577	1529	1462	1350	1242	1108	964	825
62.5	1423	1423	1408	1366	1302	1208	1101	982	846	714
65.0	1251	1251	1236	1195	1144	1062	962	856	732	612
67.5	1073	1074	1055	1028	976	911	827	733	622	510
70.0	896	887	882	860	816	764	692	612	513	421
72.5	724	714	709	694	659	615	564	493	417	339
75.0	543	548	546	535	510	475	429	385	325	262
77.5	387	394	395	387	370	349	316	279	241	194
80.0	247	254	256	253	244	229	213	189	161	133
82.5	122	122	126	135	132	130	123	112	96	78
85.0	24	24	27	30	42	48	52	49	43	36
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	2091	2091	2091	2091	2091	2091	2091	2091	2091	2091
2.5	2126	2120	2110	2099	2088	2076	2061	2043	2033	2027
5.0	2126	2114	2091	2067	2046	2021	1995	1972	1956	1944
7.5	2117	2097	2061	2024	1991	1957	1924	1890	1866	1855
10.0	2105	2082	2030	1972	1922	1880	1849	1817	1800	1791
12.5	2098	2075	2005	1931	1862	1818	1782	1752	1735	1718
15.0	2092	2056	1972	1885	1823	1774	1722	1676	1649	1636
17.5	2070	2025	1925	1839	1775	1706	1639	1588	1548	1539
20.0	2046	2001	1888	1790	1717	1635	1553	1483	1439	1430
22.5	2020	1966	1831	1735	1646	1553	1455	1389	1351	1332
25.0	1981	1919	1770	1673	1567	1453	1364	1302	1252	1233
27.5	1937	1865	1711	1601	1482	1361	1278	1204	1152	1128

IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-06L-FT-30.IES

CANDELA TABULATION - (Cont.)

30.0	1883	1806	1649	1527	1387	1273	1179	1102	1049	1026
32.5	1819	1732	1568	1440	1289	1175	1077	1004	948	920
35.0	1742	1654	1487	1340	1188	1070	975	902	844	813
37.5	1660	1566	1400	1242	1096	969	877	797	733	703
40.0	1570	1473	1312	1146	997	871	770	688	631	602
42.5	1471	1378	1215	1045	897	776	670	584	536	509
45.0	1372	1278	1117	946	800	680	567	495	454	435
47.5	1271	1170	1008	848	708	582	482	421	384	366
50.0	1164	1067	907	754	621	496	406	353	318	299
52.5	1059	963	810	659	531	417	340	291	259	242
55.0	949	861	714	569	452	348	279	237	208	195
57.5	846	761	620	491	377	288	229	191	170	156
60.0	745	662	533	419	313	233	186	154	135	126
62.5	647	573	455	352	257	189	151	123	110	103
65.0	547	487	384	292	208	153	119	98	89	84
67.5	456	407	318	237	166	122	94	79	72	68
70.0	375	331	259	189	131	95	75	63	58	56
72.5	301	265	204	146	100	74	57	49	46	46
75.0	233	205	156	106	75	55	43	38	37	37
77.5	171	151	112	75	52	38	30	28	28	28
80.0	117	103	75	49	33	25	21	21	21	21
82.5	71	61	43	27	18	13	12	12	12	12
85.0	30	28	19	11	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

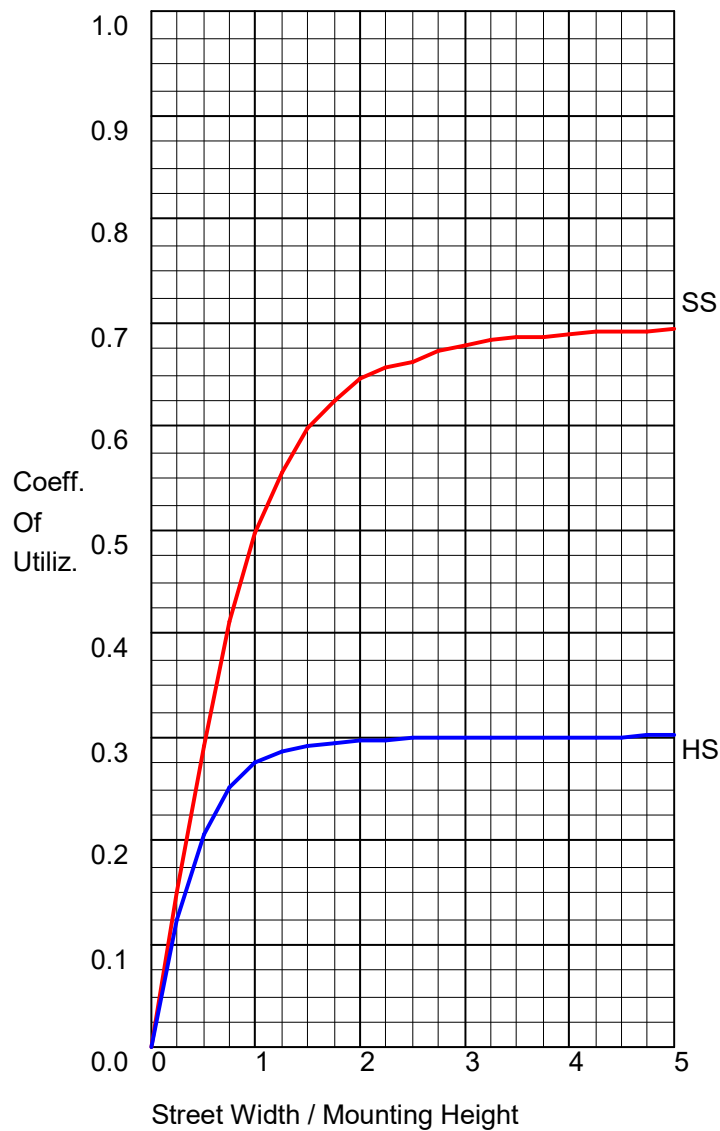
	180
0.0	2091
2.5	2027
5.0	1942
7.5	1852
10.0	1788
12.5	1715
15.0	1635
17.5	1538
20.0	1426
22.5	1337
25.0	1239
27.5	1124
30.0	1024
32.5	915
35.0	810
37.5	700
40.0	599
42.5	508
45.0	432
47.5	364
50.0	300
52.5	243
55.0	191
57.5	154
60.0	124
62.5	101
65.0	83

IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-06L-FT-30.IES

CANDELA TABULATION - (Cont.)

67.5	68
70.0	56
72.5	46
75.0	37
77.5	27
80.0	21
82.5	13
85.0	7
87.5	0
90.0	0

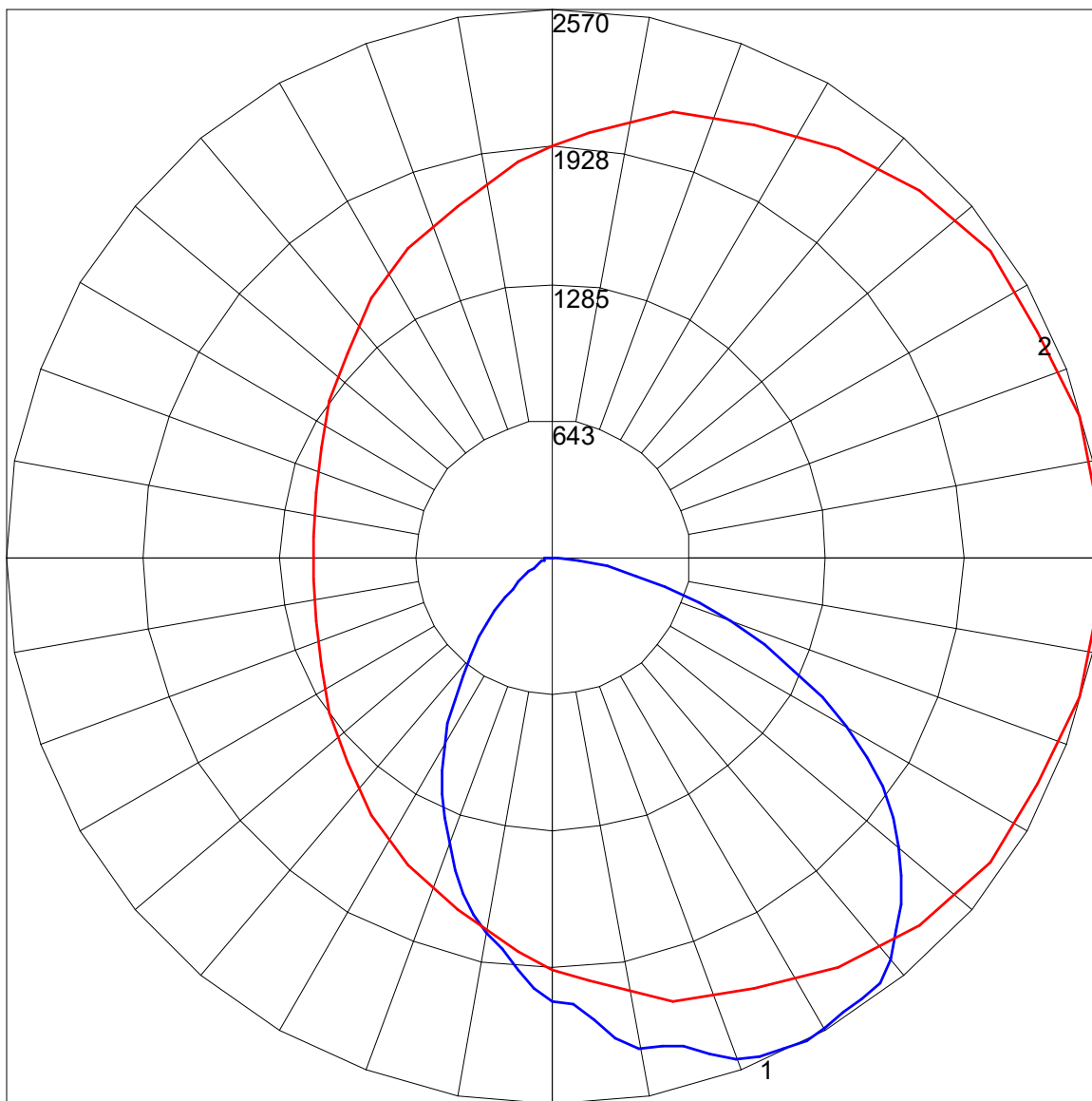
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

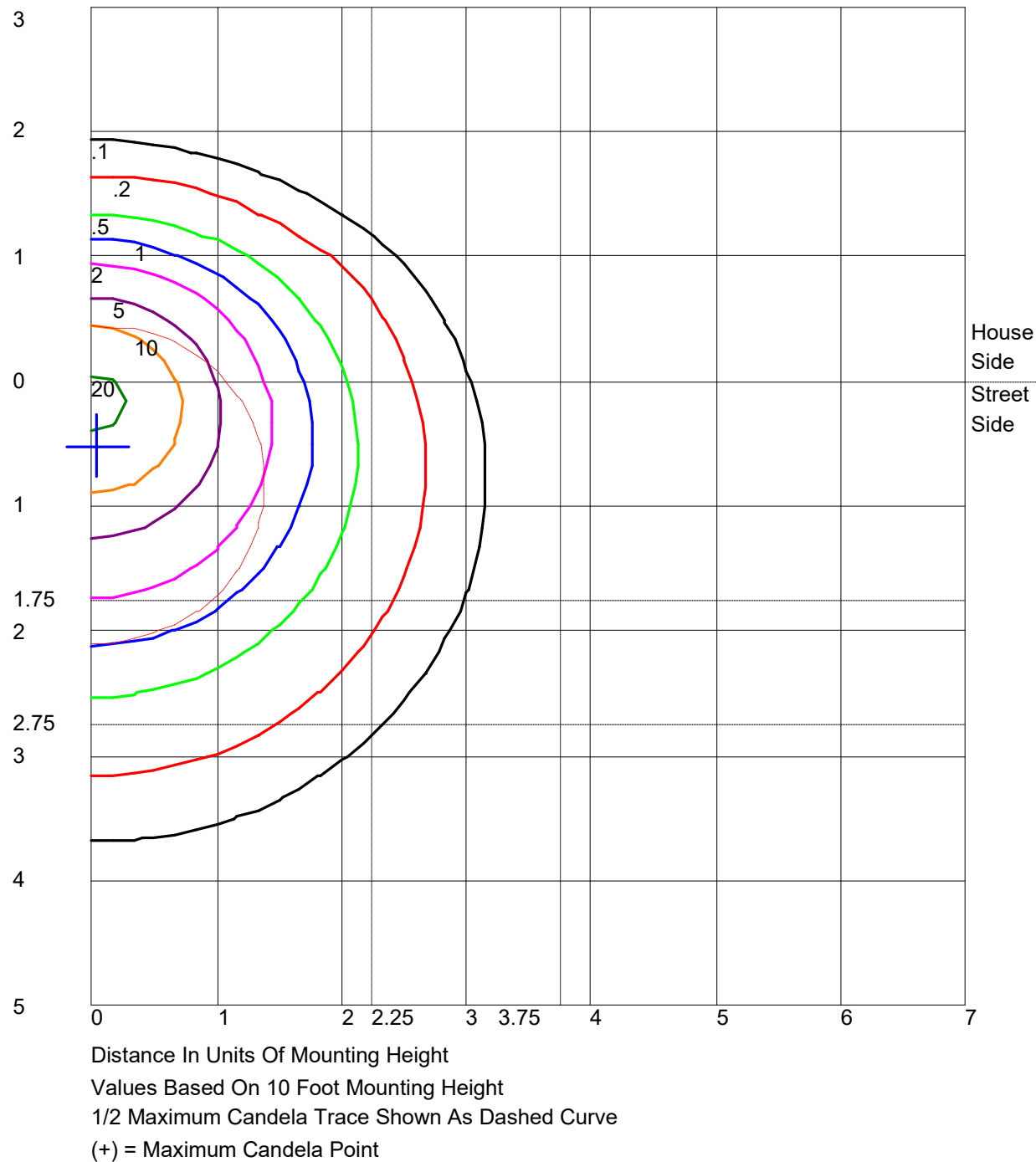
	Lumens	Percent Of Luminaire
Downward Street Side	3928.2	69.8
Downward House Side	1697.0	30.2
Downward Total	5625.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5625.2	100.0

POLAR GRAPH

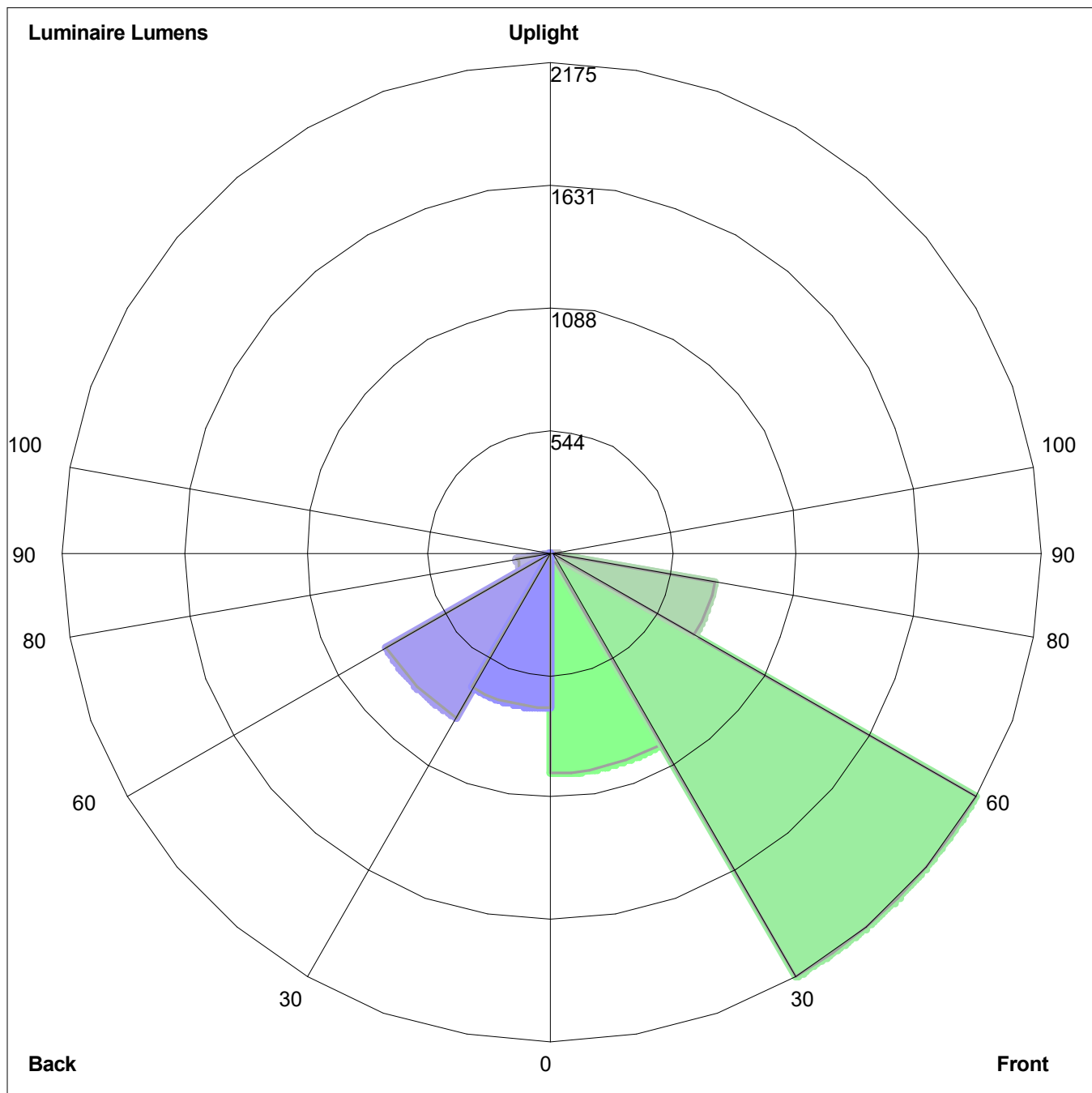


Maximum Candela = 2570 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=982.1, Medium=2175.2, High=734.7, Very High=36.2
Back: Low=692.6, Medium=843.2, High=153.5, Very High=7.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1