



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-08L-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-08L-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	7301
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	66
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3335
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	3335
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	332 (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)	1274.7	N.A.	17.5
FM - Front-Medium (30-60)	2822.9	N.A.	38.7
FH - Front-High (60-80)	953.6	N.A.	13.1
FVH - Front-Very High (80-90)	46.9	N.A.	0.6
BL - Back-Low (0-30)	898.8	N.A.	12.3
BM - Back-Medium (30-60)	1094.4	N.A.	15.0
BH - Back-High (60-80)	199.2	N.A.	2.7
BVH - Back-Very High (80-90)	10.1	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	7300.6	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	2714	2714	2714	2714	2714	2714	2714	2714	2714	2714
2.5	2725	2727	2732	2738	2743	2752	2758	2760	2756	2760
5.0	2833	2833	2835	2833	2829	2827	2814	2802	2783	2767
7.5	2957	2957	2957	2948	2937	2916	2884	2842	2796	2763
10.0	3043	3045	3050	3050	3026	2991	2932	2865	2800	2755
12.5	3050	3052	3080	3088	3077	3036	2988	2914	2823	2752
15.0	3078	3081	3093	3096	3067	3064	3041	2965	2844	2753
17.5	3185	3182	3184	3146	3085	3077	3072	2992	2860	2738
20.0	3262	3266	3262	3216	3146	3082	3057	2998	2866	2714
22.5	3297	3300	3297	3256	3220	3122	3029	2982	2861	2689
25.0	3319	3315	3305	3266	3255	3162	3035	2954	2839	2644
27.5	3332	3335	3329	3261	3250	3169	3046	2909	2809	2593
30.0	3300	3313	3312	3275	3225	3148	3035	2863	2754	2540
32.5	3281	3284	3270	3243	3190	3110	2995	2820	2688	2468
35.0	3279	3281	3253	3200	3129	3051	2939	2764	2601	2383
37.5	3264	3274	3229	3170	3061	2976	2856	2693	2491	2281
40.0	3203	3202	3170	3129	3009	2886	2765	2607	2384	2164
42.5	3104	3100	3072	3036	2937	2797	2657	2494	2264	2053
45.0	2995	2993	2953	2920	2854	2700	2547	2365	2137	1915
47.5	2887	2877	2837	2786	2724	2591	2416	2226	2010	1779
50.0	2768	2761	2716	2652	2573	2457	2277	2070	1868	1647
52.5	2616	2619	2574	2510	2409	2299	2125	1921	1714	1501
55.0	2446	2451	2411	2353	2244	2129	1951	1770	1563	1355
57.5	2258	2265	2236	2178	2081	1939	1786	1603	1404	1214
60.0	2062	2057	2046	1985	1898	1753	1612	1438	1251	1070
62.5	1848	1847	1828	1772	1689	1568	1429	1275	1098	926
65.0	1623	1623	1604	1551	1485	1378	1248	1111	950	794
67.5	1393	1394	1369	1334	1267	1183	1073	951	808	663
70.0	1163	1152	1144	1116	1060	992	899	795	667	547
72.5	940	926	920	901	855	797	732	640	541	439
75.0	704	711	709	694	662	617	557	500	421	341
77.5	503	511	512	503	480	454	410	363	312	252
80.0	321	330	332	329	317	297	277	246	208	172
82.5	158	158	164	175	171	169	160	145	124	100
85.0	30	31	36	39	54	63	67	64	56	46
87.5	1	0	1	1	1	1	5	9	9	9
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	2714	2714	2714	2714	2714	2714	2714	2714	2714	2714
2.5	2759	2752	2738	2725	2710	2694	2674	2652	2638	2630
5.0	2759	2743	2713	2683	2654	2622	2590	2559	2538	2524
7.5	2746	2721	2674	2626	2583	2540	2497	2453	2421	2407
10.0	2732	2703	2635	2559	2494	2439	2400	2358	2336	2324
12.5	2723	2692	2602	2506	2417	2360	2313	2274	2251	2229
15.0	2715	2669	2559	2447	2366	2302	2235	2175	2140	2123
17.5	2687	2628	2498	2386	2303	2215	2127	2061	2010	1997
20.0	2656	2597	2451	2323	2228	2121	2016	1924	1868	1856
22.5	2621	2551	2376	2251	2135	2015	1887	1803	1754	1729
25.0	2571	2491	2296	2171	2034	1885	1770	1690	1625	1600
27.5	2513	2420	2221	2079	1923	1766	1658	1562	1496	1464

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CANDELA TABULATION - (Cont.)

30.0	2443	2344	2140	1981	1800	1652	1530	1431	1362	1331
32.5	2361	2248	2035	1869	1672	1525	1398	1303	1230	1193
35.0	2260	2147	1930	1740	1543	1388	1266	1170	1095	1054
37.5	2154	2032	1816	1613	1421	1258	1138	1035	952	912
40.0	2038	1911	1702	1488	1294	1131	999	894	818	781
42.5	1908	1788	1577	1357	1164	1007	869	759	696	661
45.0	1780	1659	1450	1227	1039	883	737	643	589	564
47.5	1650	1518	1308	1100	920	756	626	546	498	475
50.0	1510	1385	1177	978	806	644	527	458	413	388
52.5	1374	1250	1050	855	689	541	441	378	336	314
55.0	1231	1117	926	739	586	452	363	307	271	253
57.5	1098	989	805	637	490	374	297	248	220	203
60.0	967	859	692	544	406	302	241	201	175	163
62.5	839	743	590	457	333	245	195	160	142	134
65.0	710	632	497	379	270	199	154	127	116	109
67.5	591	528	413	308	215	159	122	102	93	89
70.0	487	430	336	246	170	123	97	81	75	73
72.5	391	344	264	189	131	96	74	64	61	60
75.0	302	265	203	138	97	71	56	49	48	48
77.5	223	195	145	98	67	49	40	37	37	37
80.0	152	134	98	63	44	32	27	27	27	27
82.5	92	79	56	36	24	17	16	16	16	16
85.0	40	37	25	15	9	8	8	8	9	9
87.5	9	8	5	3	2	1	1	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

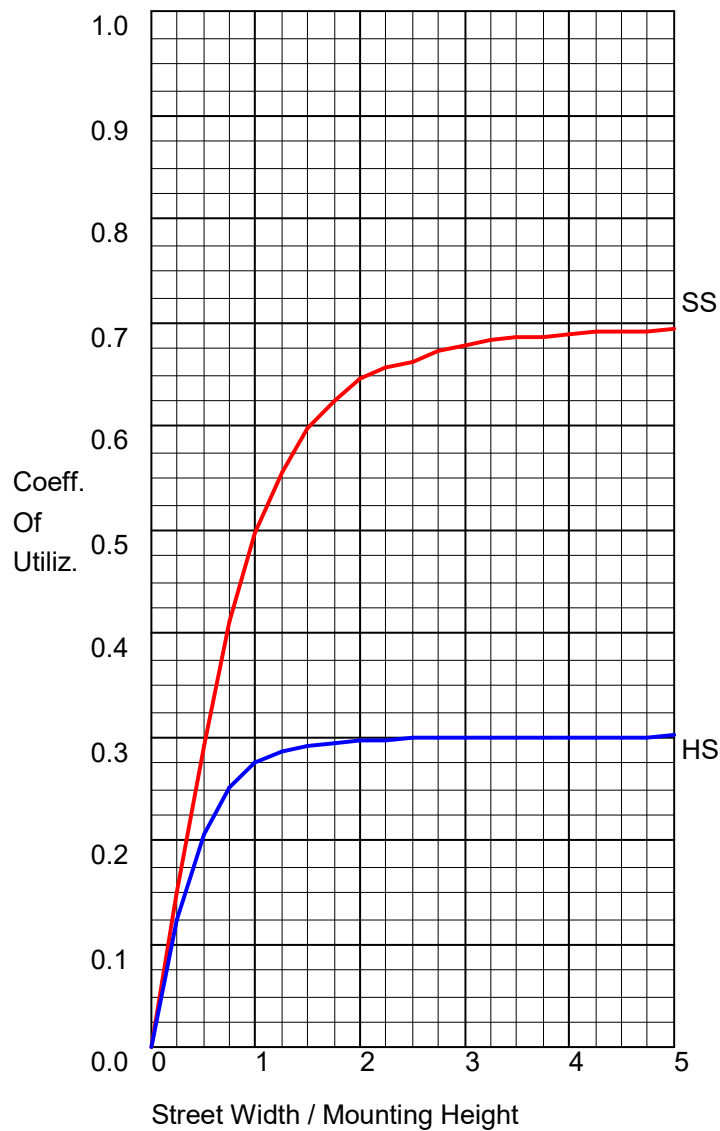
	180
0.0	2714
2.5	2630
5.0	2521
7.5	2403
10.0	2320
12.5	2225
15.0	2121
17.5	1996
20.0	1850
22.5	1736
25.0	1608
27.5	1458
30.0	1329
32.5	1188
35.0	1051
37.5	908
40.0	777
42.5	659
45.0	561
47.5	473
50.0	390
52.5	315
55.0	248
57.5	200
60.0	161
62.5	132
65.0	108

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CANDELA TABULATION - (Cont.)

67.5	89
70.0	73
72.5	60
75.0	47
77.5	36
80.0	27
82.5	17
85.0	9
87.5	0
90.0	0

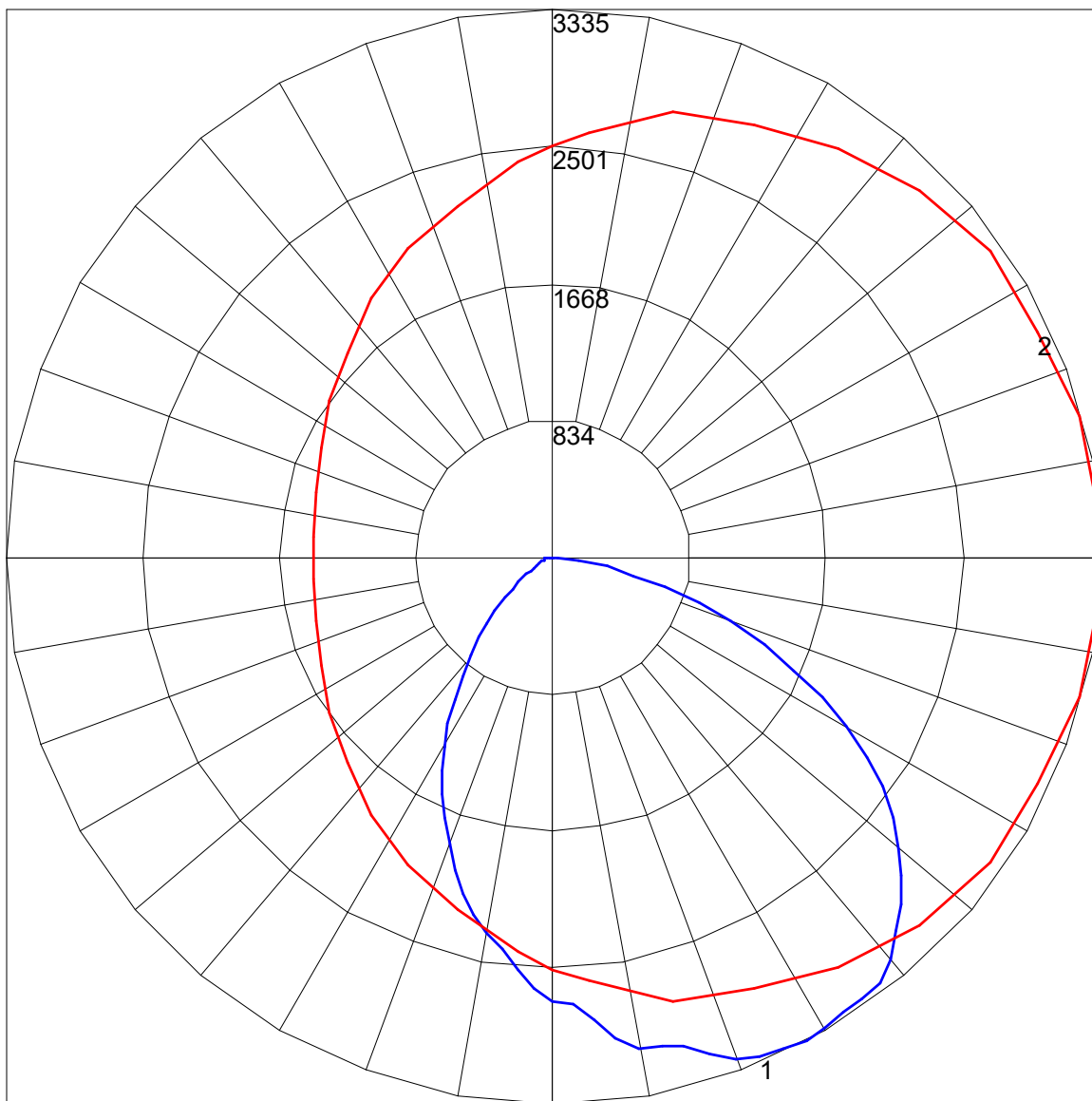
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

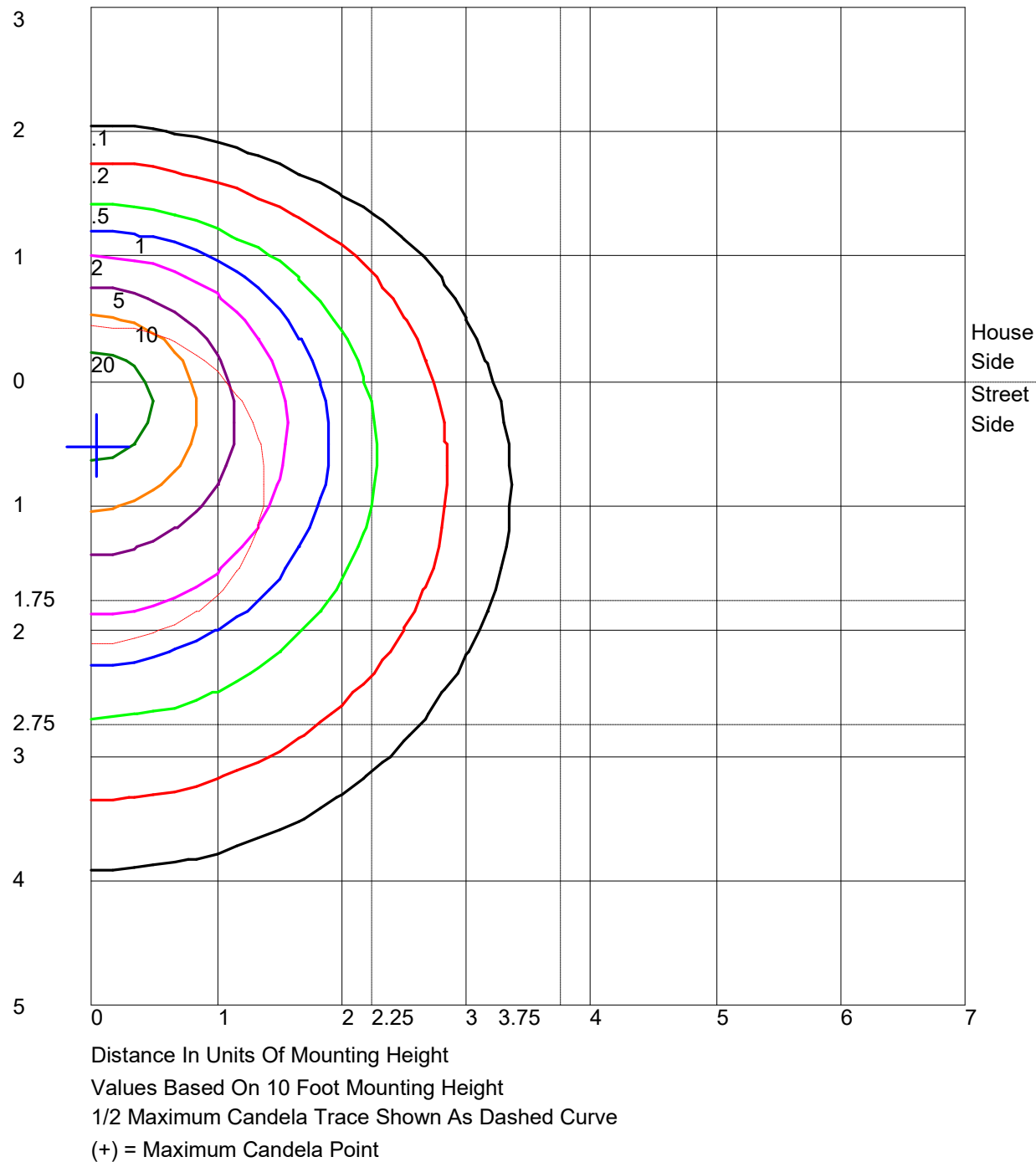
	Lumens	Percent Of Luminaire
Downward Street Side	5098.0	69.8
Downward House Side	2202.5	30.2
Downward Total	7300.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7300.5	100.0

POLAR GRAPH

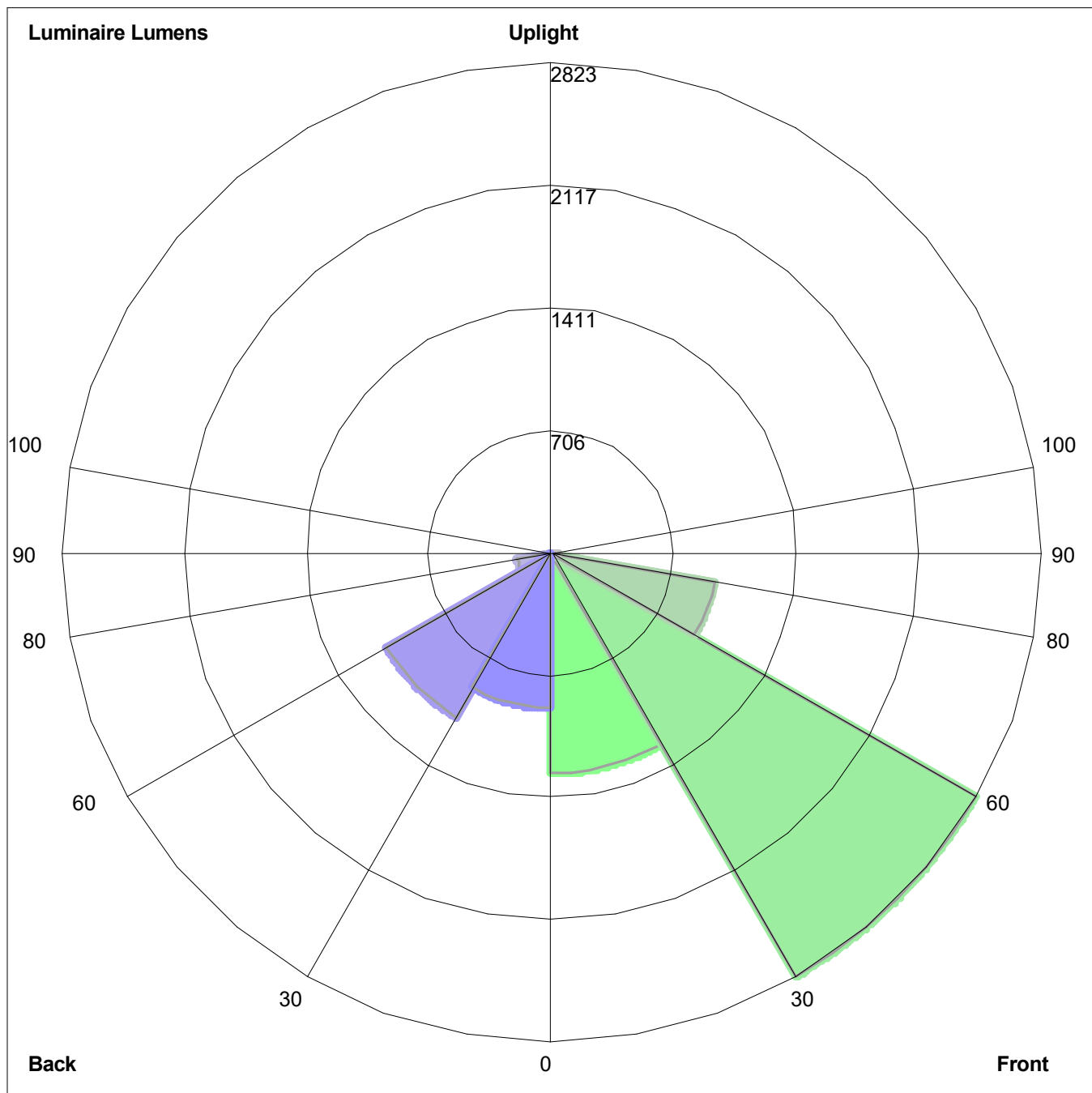


Maximum Candela = 3335 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1274.7, Medium=2822.9, High=953.6, Very High=46.9
Back: Low=898.8, Medium=1094.4, High=199.2, Very High=10.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1