



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-08L-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-08L-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	7732
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	66
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3533
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	3533
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	352 (4.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1350.0	N.A.	17.5
FM - Front-Medium (30-60)	2989.9	N.A.	38.7
FH - Front-High (60-80)	1010.0	N.A.	13.1
FVH - Front-Very High (80-90)	49.6	N.A.	0.6
BL - Back-Low (0-30)	951.9	N.A.	12.3
BM - Back-Medium (30-60)	1159.1	N.A.	15.0
BH - Back-High (60-80)	210.9	N.A.	2.7
BVH - Back-Very High (80-90)	10.6	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	7732.0	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	2875	2875	2875	2875	2875	2875	2875	2875	2875	2875
2.5	2887	2889	2894	2900	2905	2915	2921	2923	2919	2923
5.0	3001	3001	3003	3001	2996	2994	2981	2968	2948	2931
7.5	3132	3132	3131	3122	3110	3088	3054	3010	2962	2927
10.0	3223	3225	3231	3231	3205	3167	3105	3034	2966	2918
12.5	3231	3233	3262	3271	3259	3216	3164	3086	2990	2915
15.0	3260	3263	3276	3279	3249	3246	3221	3140	3012	2916
17.5	3373	3370	3372	3332	3268	3259	3254	3168	3029	2900
20.0	3455	3459	3455	3406	3332	3265	3238	3175	3035	2875
22.5	3492	3495	3491	3448	3410	3307	3208	3158	3030	2848
25.0	3516	3511	3500	3459	3447	3349	3215	3128	3007	2800
27.5	3530	3533	3526	3454	3442	3356	3226	3081	2975	2746
30.0	3495	3508	3507	3468	3415	3334	3215	3032	2917	2690
32.5	3475	3478	3463	3434	3379	3294	3172	2987	2847	2614
35.0	3473	3475	3445	3389	3314	3232	3112	2928	2755	2524
37.5	3457	3467	3420	3357	3242	3152	3025	2853	2638	2416
40.0	3392	3391	3357	3314	3187	3057	2929	2761	2525	2292
42.5	3288	3284	3254	3216	3110	2963	2814	2642	2398	2175
45.0	3172	3170	3127	3092	3023	2860	2698	2504	2264	2028
47.5	3058	3047	3005	2951	2885	2744	2559	2358	2129	1885
50.0	2932	2924	2877	2808	2725	2603	2411	2193	1979	1744
52.5	2770	2774	2726	2659	2552	2435	2251	2034	1815	1590
55.0	2591	2596	2554	2492	2377	2255	2066	1875	1655	1435
57.5	2391	2399	2368	2307	2204	2053	1892	1698	1487	1286
60.0	2184	2179	2167	2102	2010	1857	1707	1524	1325	1133
62.5	1957	1956	1936	1877	1789	1661	1514	1350	1162	981
65.0	1719	1719	1699	1643	1573	1459	1322	1177	1006	841
67.5	1475	1476	1450	1413	1342	1253	1136	1007	856	702
70.0	1232	1220	1212	1182	1122	1050	952	842	706	580
72.5	996	981	975	954	906	845	775	678	573	465
75.0	745	753	751	735	701	654	590	530	446	361
77.5	533	542	543	533	509	480	434	384	330	267
80.0	340	349	352	348	336	315	293	261	221	183
82.5	168	168	174	186	182	179	170	153	131	106
85.0	32	33	38	41	57	66	71	68	59	49
87.5	1	0	1	1	1	1	5	10	10	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	2875	2875	2875	2875	2875	2875	2875	2875	2875	2875
2.5	2922	2915	2900	2886	2871	2854	2832	2808	2794	2785
5.0	2922	2906	2874	2841	2811	2777	2743	2710	2688	2673
7.5	2909	2882	2832	2781	2736	2690	2645	2598	2565	2550
10.0	2894	2863	2790	2710	2642	2584	2542	2497	2474	2461
12.5	2884	2852	2756	2654	2560	2499	2449	2408	2384	2361
15.0	2876	2826	2710	2592	2505	2438	2367	2304	2267	2249
17.5	2846	2783	2646	2528	2439	2346	2253	2183	2128	2115
20.0	2813	2750	2596	2460	2360	2247	2135	2038	1979	1966
22.5	2776	2702	2517	2384	2262	2134	1999	1910	1858	1831
25.0	2723	2638	2432	2300	2154	1997	1875	1790	1721	1695
27.5	2662	2563	2352	2202	2037	1871	1756	1654	1585	1551

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CANDELA TABULATION - (Cont.)

30.0	2588	2482	2267	2098	1907	1749	1621	1516	1442	1410
32.5	2500	2381	2155	1980	1771	1615	1480	1380	1303	1264
35.0	2394	2274	2044	1843	1634	1470	1341	1240	1159	1116
37.5	2282	2152	1924	1708	1506	1332	1206	1096	1008	966
40.0	2158	2024	1802	1576	1370	1198	1058	947	867	827
42.5	2021	1894	1670	1437	1233	1066	921	803	737	700
45.0	1886	1757	1536	1300	1100	935	780	681	624	598
47.5	1747	1608	1385	1165	974	800	663	579	528	504
50.0	1600	1467	1247	1036	854	682	559	485	437	411
52.5	1455	1324	1112	906	730	573	467	400	356	333
55.0	1304	1184	981	782	621	478	384	325	287	268
57.5	1162	1047	853	675	519	396	315	263	233	215
60.0	1024	910	733	576	430	320	255	213	186	173
62.5	889	787	625	484	353	260	207	170	150	141
65.0	752	669	527	401	286	211	163	134	122	115
67.5	626	560	437	326	228	169	129	108	98	94
70.0	516	455	356	261	180	130	102	86	79	77
72.5	414	364	280	201	138	101	78	68	64	63
75.0	320	281	215	146	102	75	59	52	51	51
77.5	236	207	153	103	71	52	42	39	39	39
80.0	161	141	103	67	46	34	28	28	28	28
82.5	97	83	59	38	25	18	17	17	17	17
85.0	42	39	26	16	10	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

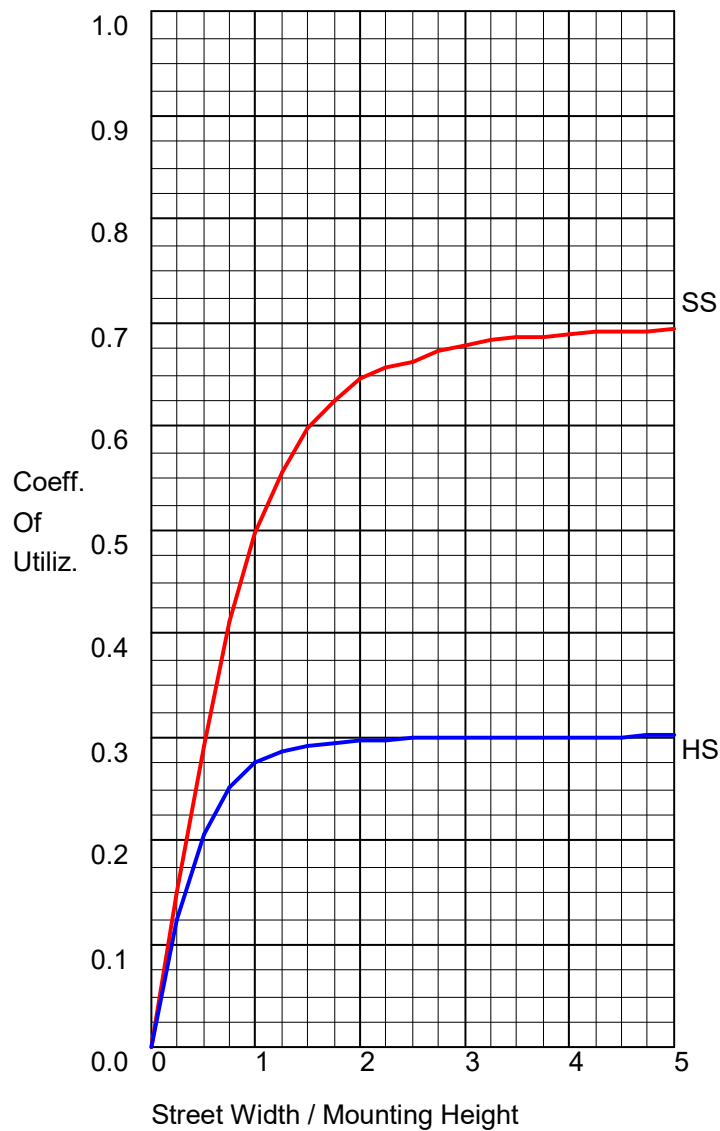
	180
0.0	2875
2.5	2785
5.0	2670
7.5	2546
10.0	2457
12.5	2357
15.0	2247
17.5	2114
20.0	1960
22.5	1838
25.0	1703
27.5	1545
30.0	1407
32.5	1258
35.0	1113
37.5	962
40.0	822
42.5	698
45.0	594
47.5	500
50.0	413
52.5	334
55.0	263
57.5	212
60.0	171
62.5	139
65.0	114

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CANDELA TABULATION - (Cont.)

67.5	94
70.0	77
72.5	63
75.0	50
77.5	38
80.0	28
82.5	18
85.0	9
87.5	0
90.0	0

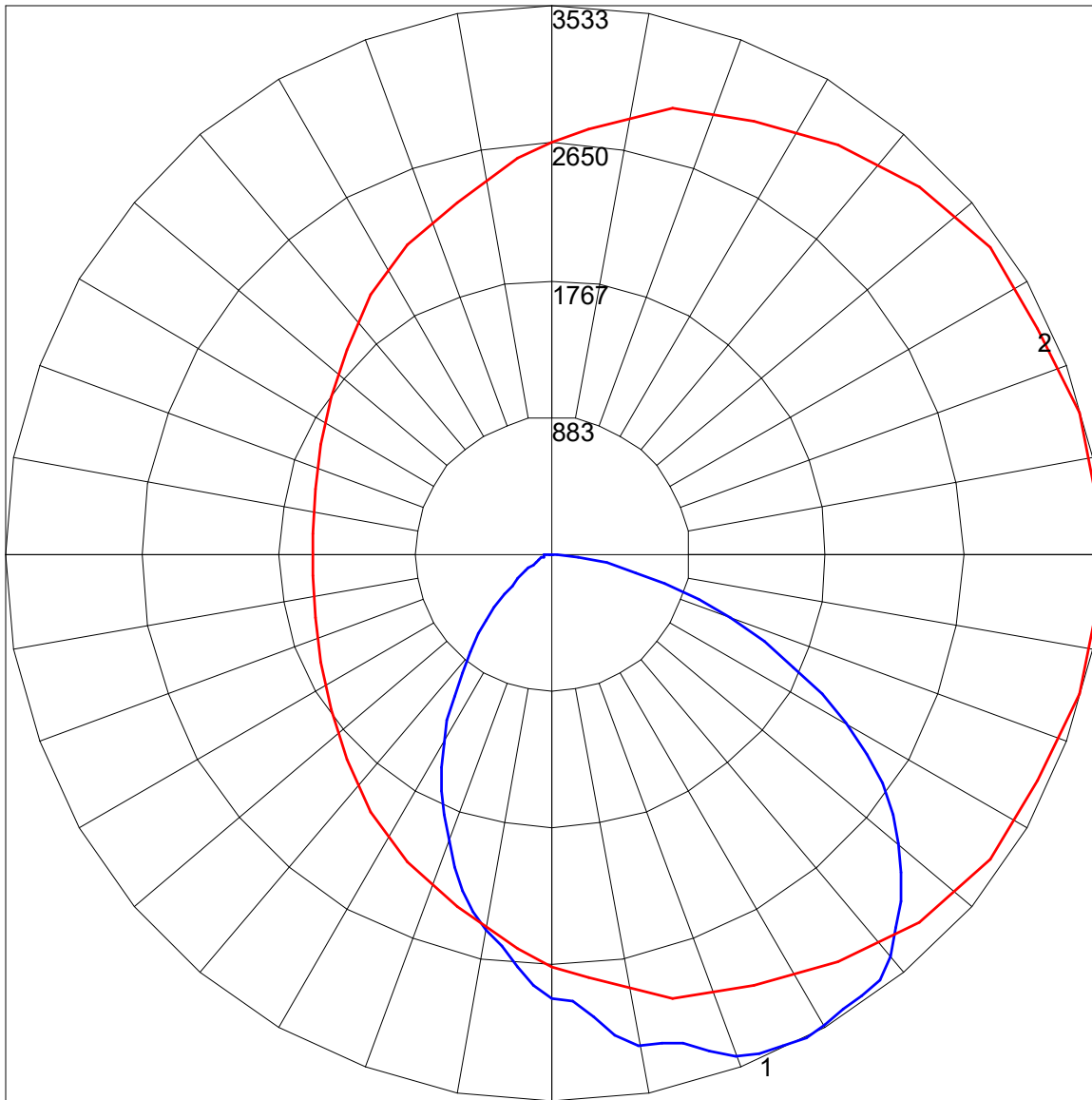
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

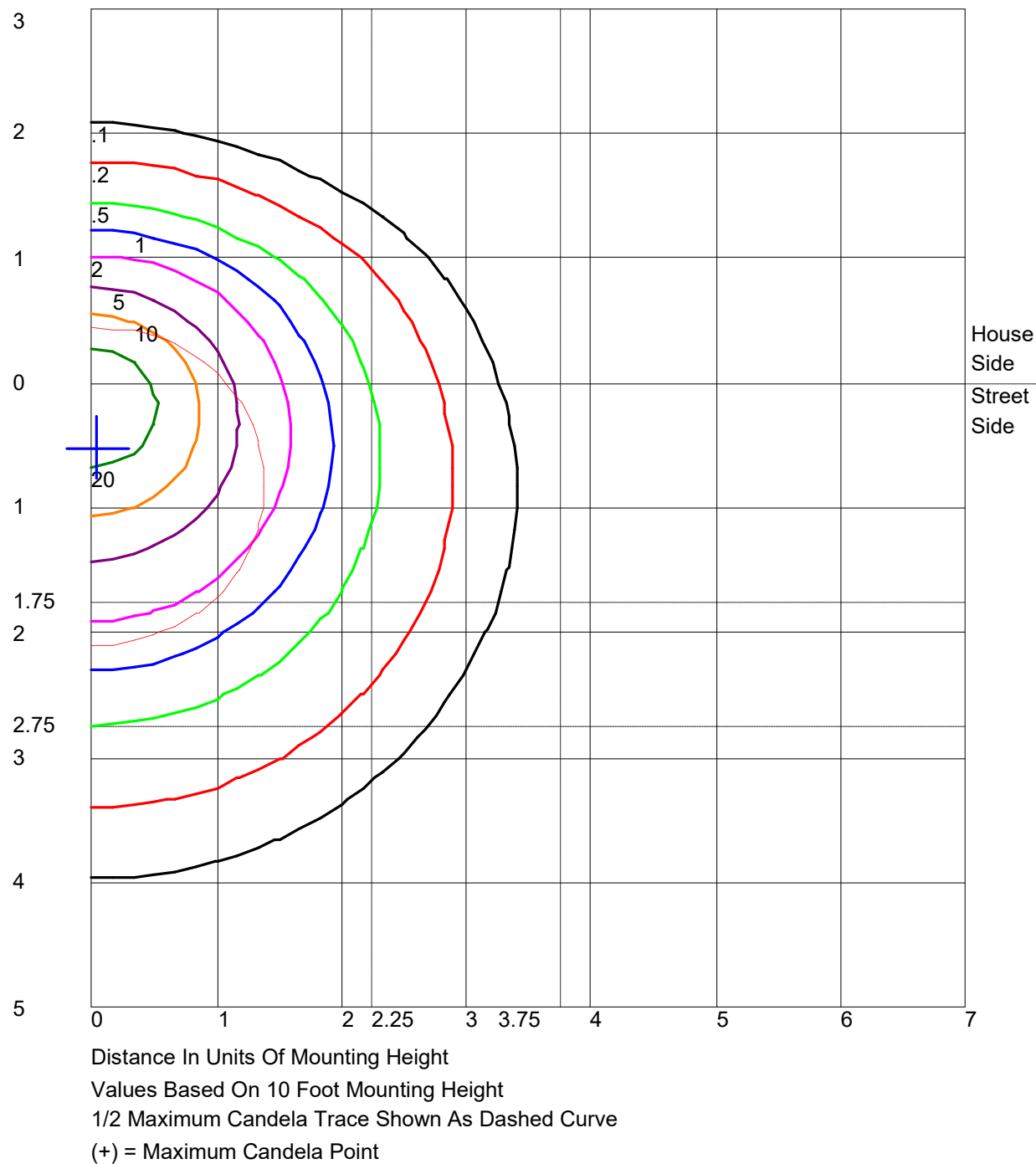
	Lumens	Percent Of Luminaire
Downward Street Side	5399.6	69.8
Downward House Side	2332.5	30.2
Downward Total	7732.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7732.1	100.0

POLAR GRAPH

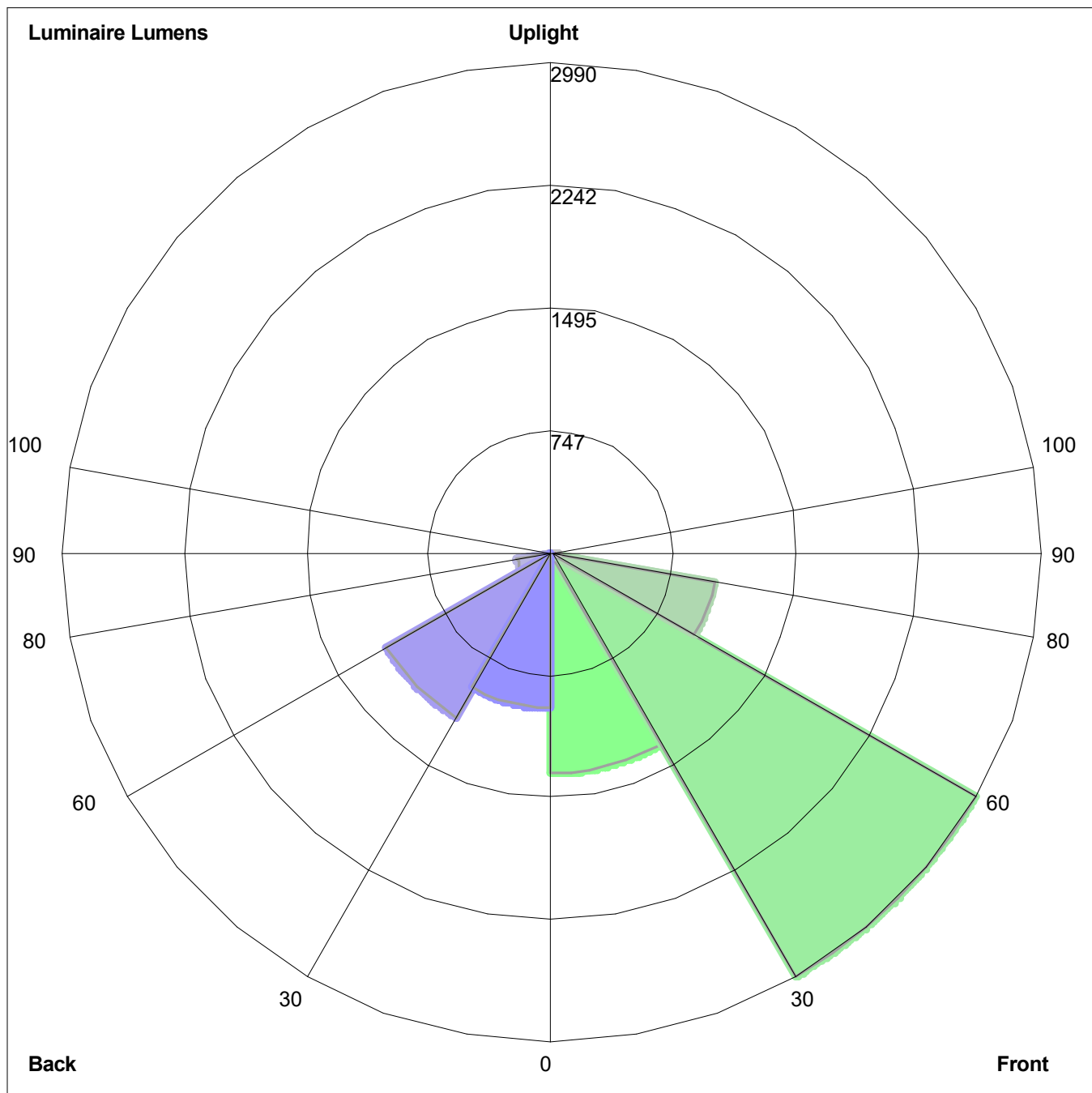


Maximum Candela = 3533 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1350.0, Medium=2989.9, High= 1010.0, Very High=49.6
Back: Low=951.9, Medium=1159.1, High=210.9, Very High=10.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1