



IES ROAD REPORT
PHOTOMETRIC FILENAME : GST-08L-FT-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12865
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 08/26/2021
[TEST DATE] 07/29/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] GST-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	7185
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	66
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3399
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	3399
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	259 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



IES ROAD REPORT
PHOTOMETRIC FILENAME : GST-08L-FT-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1290.1	N.A.	18.0
FM - Front-Medium (30-60)	2820.0	N.A.	39.2
FH - Front-High (60-80)	891.5	N.A.	12.4
FVH - Front-Very High (80-90)	36.2	N.A.	0.5
BL - Back-Low (0-30)	905.9	N.A.	12.6
BM - Back-Medium (30-60)	1046.5	N.A.	14.6
BH - Back-High (60-80)	184.3	N.A.	2.6
BVH - Back-Very High (80-90)	10.3	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	7184.8	N.A.	100.0
BUG Rating	B2-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : GST-08L-FT-30.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	2772	2772	2772	2772	2772	2772	2772	2772	2772	2772
2.5	2784	2785	2789	2796	2804	2812	2818	2824	2824	2817
5.0	2858	2859	2857	2862	2862	2860	2856	2849	2834	2814
7.5	2954	2955	2949	2942	2934	2912	2890	2873	2849	2816
10.0	3054	3054	3048	3037	3021	2976	2932	2899	2865	2819
12.5	3093	3090	3094	3089	3069	3034	2977	2924	2877	2816
15.0	3167	3164	3146	3119	3095	3067	3020	2959	2886	2809
17.5	3263	3263	3247	3206	3150	3093	3052	2992	2891	2797
20.0	3310	3319	3319	3276	3226	3143	3066	3013	2889	2771
22.5	3331	3333	3330	3300	3276	3198	3072	3011	2869	2726
25.0	3377	3373	3355	3305	3280	3230	3095	2976	2833	2674
27.5	3387	3399	3369	3337	3285	3242	3104	2935	2789	2631
30.0	3369	3386	3368	3358	3280	3200	3069	2879	2758	2580
32.5	3342	3342	3350	3321	3242	3154	3019	2842	2692	2481
35.0	3293	3308	3302	3253	3192	3113	2952	2800	2604	2386
37.5	3237	3260	3237	3186	3129	3043	2874	2721	2499	2291
40.0	3163	3189	3152	3113	3049	2938	2796	2624	2393	2178
42.5	3071	3088	3052	3012	2948	2833	2703	2507	2282	2063
45.0	2967	2975	2941	2904	2832	2713	2578	2381	2153	1933
47.5	2845	2849	2817	2777	2702	2583	2442	2253	2026	1792
50.0	2694	2708	2683	2633	2556	2436	2295	2112	1881	1653
52.5	2527	2534	2512	2478	2396	2263	2117	1945	1737	1505
55.0	2323	2343	2325	2295	2220	2099	1944	1787	1582	1361
57.5	2128	2140	2126	2096	2027	1907	1762	1610	1426	1216
60.0	1919	1919	1921	1888	1823	1711	1585	1438	1262	1069
62.5	1700	1699	1695	1675	1603	1512	1402	1268	1109	934
65.0	1475	1475	1474	1438	1388	1313	1213	1098	957	803
67.5	1248	1249	1240	1220	1168	1111	1029	934	814	672
70.0	1025	1017	1020	1003	963	909	854	776	676	558
72.5	810	801	806	795	764	725	686	616	539	449
75.0	583	597	601	599	581	552	509	473	418	348
77.5	397	409	415	419	412	388	366	339	308	259
80.0	228	228	244	255	259	249	238	223	204	176
82.5	89	89	96	115	123	133	131	127	119	104
85.0	6	6	9	16	28	42	49	51	52	47
87.5	0	0	1	1	1	1	3	6	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	2772	2772	2772	2772	2772	2772	2772	2772	2772	2772
2.5	2818	2813	2800	2782	2763	2743	2724	2700	2681	2671
5.0	2806	2793	2768	2736	2707	2674	2643	2611	2581	2578
7.5	2800	2775	2727	2675	2626	2577	2539	2501	2469	2463
10.0	2796	2761	2686	2611	2539	2475	2420	2379	2354	2348
12.5	2780	2740	2655	2557	2468	2386	2323	2276	2242	2225
15.0	2774	2727	2631	2510	2401	2302	2211	2150	2127	2119
17.5	2754	2703	2591	2447	2335	2214	2118	2039	2007	1997
20.0	2716	2653	2519	2368	2252	2133	2026	1922	1870	1857
22.5	2659	2587	2427	2281	2141	2028	1913	1809	1737	1721
25.0	2616	2540	2355	2200	2041	1900	1786	1686	1596	1568
27.5	2565	2477	2266	2091	1930	1778	1648	1535	1439	1407

IES ROAD REPORT
PHOTOMETRIC FILENAME : GST-08L-FT-30.IES

CANDELA TABULATION - (Cont.)

30.0	2487	2385	2166	1968	1802	1650	1505	1384	1298	1262
32.5	2393	2296	2065	1861	1675	1512	1358	1239	1154	1104
35.0	2297	2188	1953	1739	1540	1362	1218	1098	999	947
37.5	2198	2064	1830	1610	1406	1220	1076	951	855	800
40.0	2070	1945	1698	1483	1274	1086	931	804	711	662
42.5	1946	1818	1569	1342	1128	948	787	666	591	548
45.0	1813	1691	1439	1207	1000	817	663	557	492	456
47.5	1675	1546	1305	1080	871	687	549	461	403	377
50.0	1534	1406	1175	954	753	575	456	383	331	304
52.5	1394	1265	1039	829	634	477	378	313	268	245
55.0	1254	1135	917	708	532	395	310	253	215	197
57.5	1116	1002	791	604	438	324	251	204	172	157
60.0	983	868	682	509	361	261	202	163	136	125
62.5	847	751	580	422	294	210	160	129	110	101
65.0	719	638	486	347	237	170	127	104	90	82
67.5	606	536	402	280	189	135	102	83	73	67
70.0	501	439	329	223	150	106	80	66	59	56
72.5	402	353	258	171	114	82	63	53	48	46
75.0	313	275	199	126	85	62	47	41	38	37
77.5	232	205	143	88	61	45	35	31	30	29
80.0	160	138	97	58	41	29	24	22	22	21
82.5	98	85	58	34	24	18	15	15	14	15
85.0	44	42	27	16	10	9	8	8	9	9
87.5	10	10	7	4	3	2	2	2	2	3
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

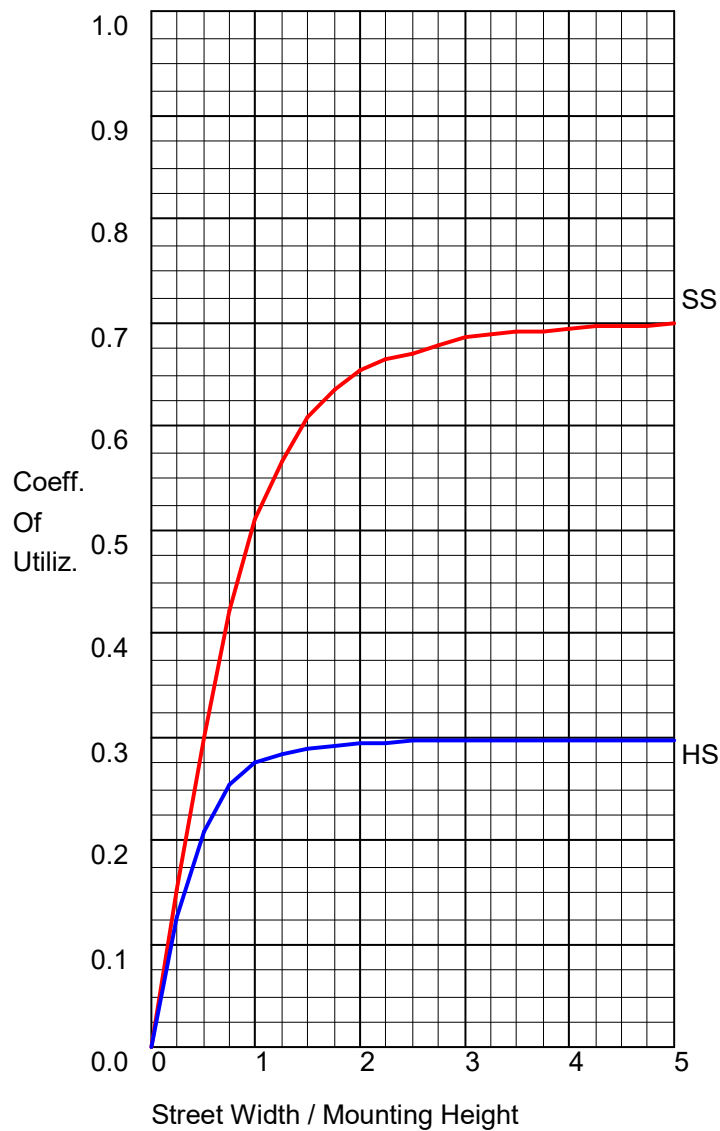
	180
0.0	2772
2.5	2670
5.0	2577
7.5	2464
10.0	2350
12.5	2225
15.0	2121
17.5	1994
20.0	1853
22.5	1724
25.0	1574
27.5	1413
30.0	1252
32.5	1104
35.0	950
37.5	801
40.0	662
42.5	545
45.0	454
47.5	373
50.0	303
52.5	245
55.0	191
57.5	152
60.0	123
62.5	100
65.0	82

IES ROAD REPORT
PHOTOMETRIC FILENAME : GST-08L-FT-30.IES

CANDELA TABULATION - (Cont.)

67.5	68
70.0	56
72.5	46
75.0	37
77.5	29
80.0	21
82.5	14
85.0	9
87.5	3
90.0	0

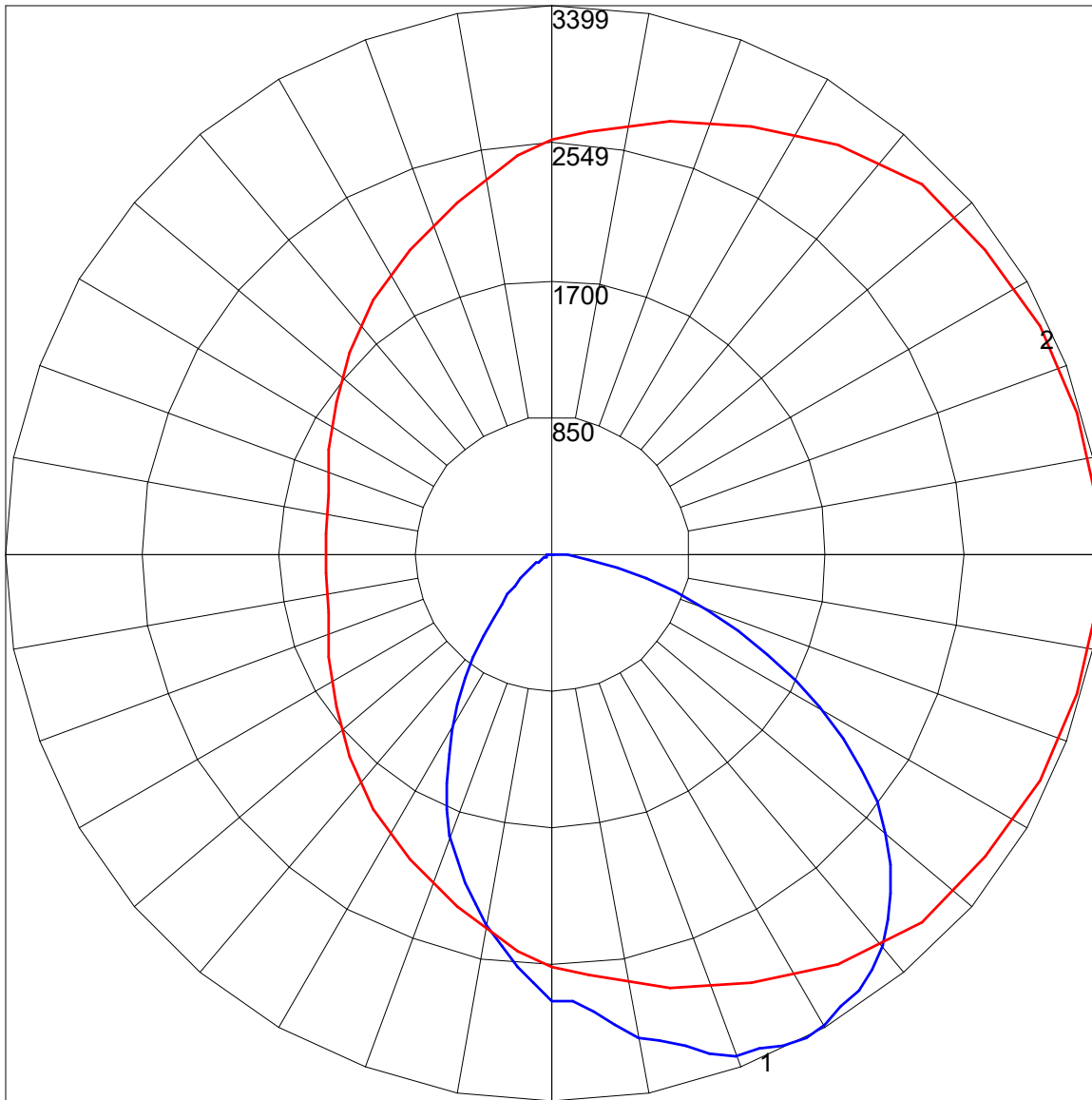
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

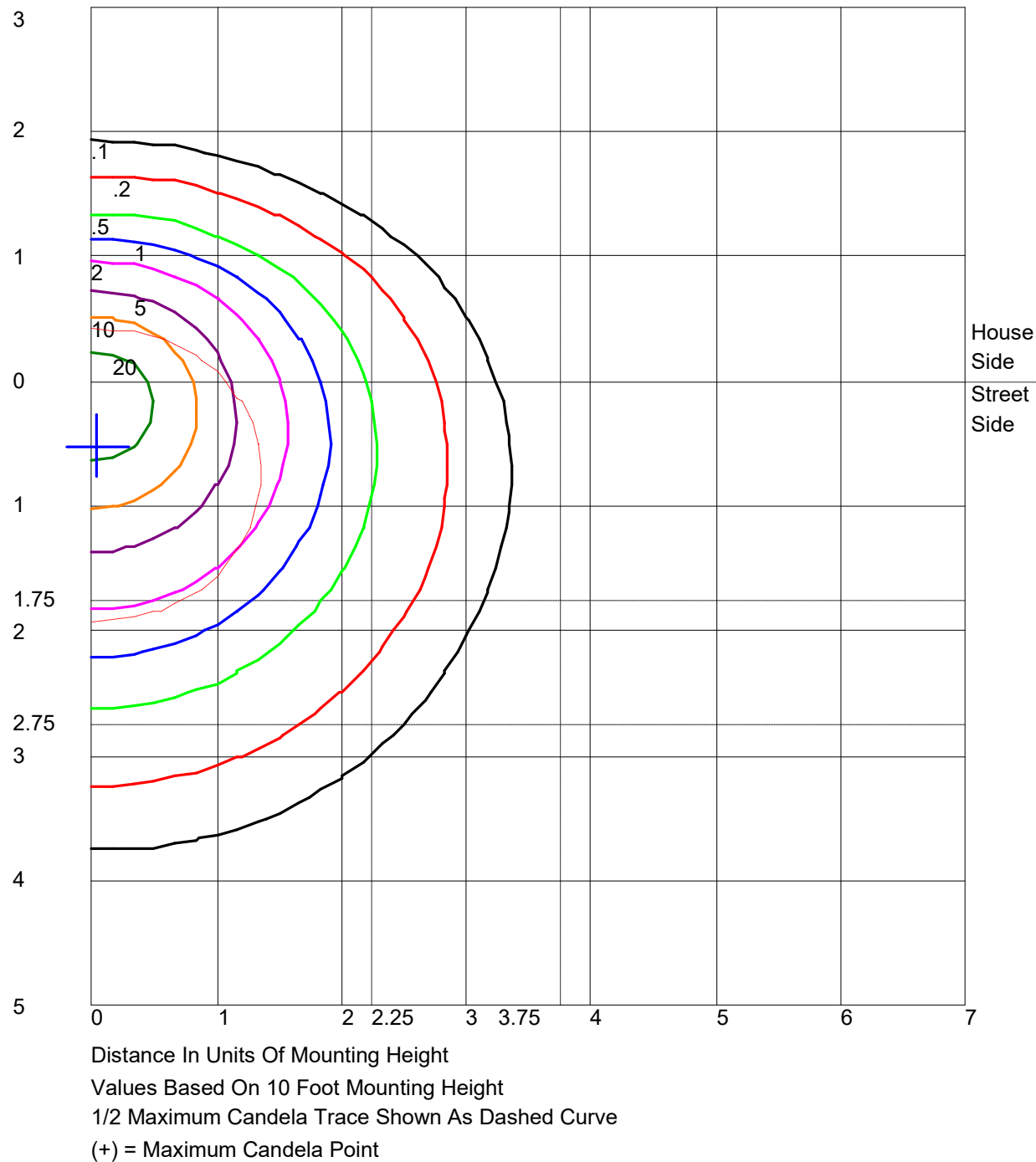
	Lumens	Percent Of Luminaire
Downward Street Side	5037.8	70.1
Downward House Side	2147.0	29.9
Downward Total	7184.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7184.8	100.0

POLAR GRAPH

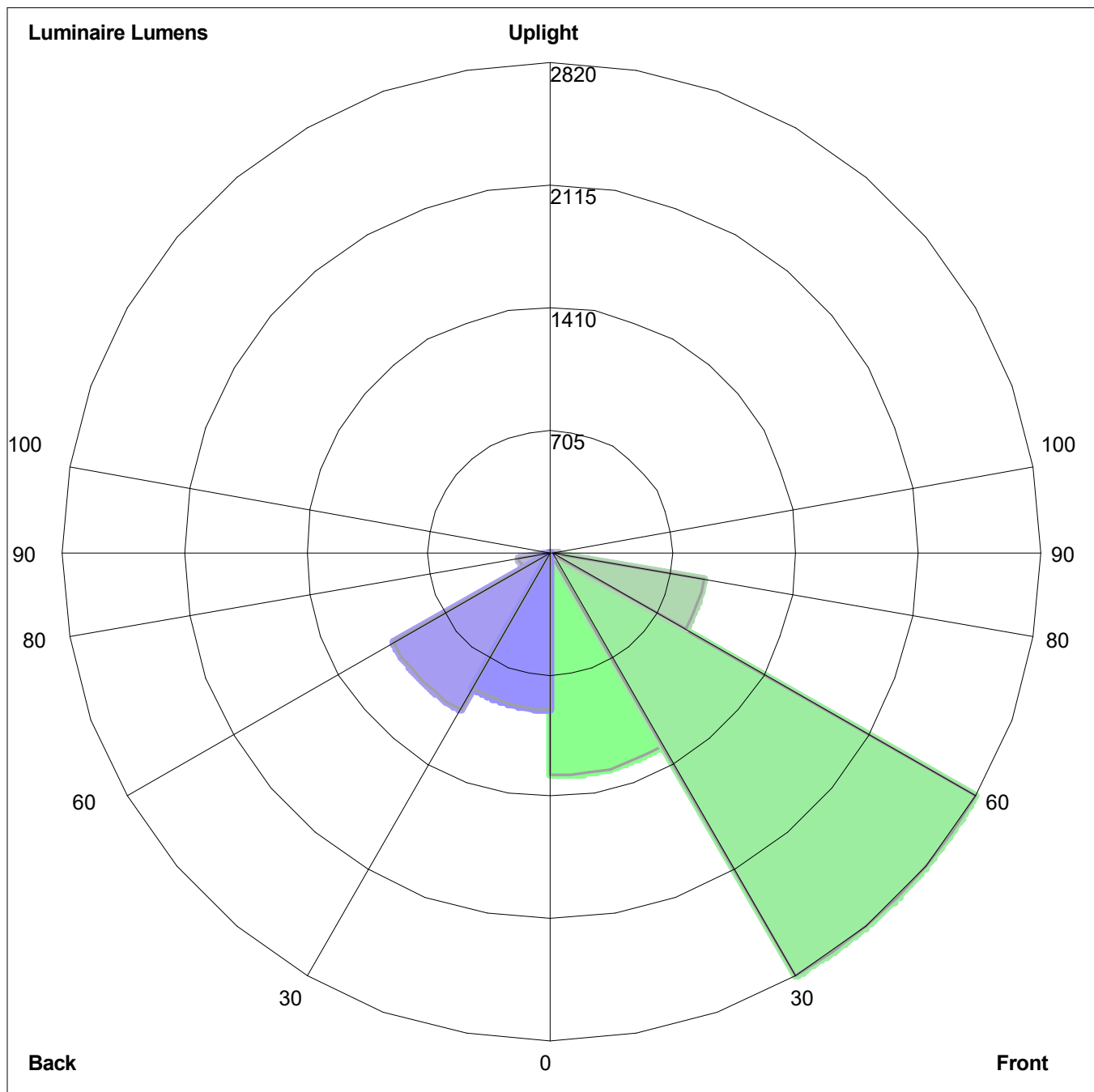


Maximum Candela = 3399 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1290.1, Medium= 2820.0, High=891.5, Very High=36.2
Back: Low=905.9, Medium=1046.5, High=184.3, Very High=10.3
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1