



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12867
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 08/26/2021
[TEST DATE] 07/30/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] GSQ-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	7337
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	3404
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	3404
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	284 (3.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1292.2	N.A.	17.6
FM - Front-Medium (30-60)	2865.5	N.A.	39.1
FH - Front-High (60-80)	937.9	N.A.	12.8
FVH - Front-Very High (80-90)	41.7	N.A.	0.6
BL - Back-Low (0-30)	919.5	N.A.	12.5
BM - Back-Medium (30-60)	1076.7	N.A.	14.7
BH - Back-High (60-80)	194.0	N.A.	2.6
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	7337.6	N.A.	100.0
BUG Rating	B2-U0-G1		

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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	2754	2754	2754	2754	2754	2754	2754	2754	2754	2754
2.5	2749	2751	2763	2770	2778	2792	2797	2802	2799	2802
5.0	2835	2837	2845	2840	2838	2844	2843	2837	2828	2821
7.5	2949	2952	2960	2958	2962	2952	2921	2887	2857	2841
10.0	3021	3021	3036	3056	3061	3060	3021	2946	2881	2838
12.5	3065	3067	3083	3100	3104	3110	3068	2971	2875	2808
15.0	3151	3146	3151	3157	3138	3118	3072	2990	2875	2796
17.5	3228	3224	3228	3226	3181	3106	3055	2992	2891	2782
20.0	3287	3283	3279	3282	3218	3132	3065	3004	2889	2752
22.5	3320	3315	3323	3320	3247	3170	3085	3002	2892	2726
25.0	3363	3356	3367	3335	3259	3193	3098	2986	2878	2689
27.5	3383	3384	3392	3360	3273	3203	3094	2954	2840	2643
30.0	3404	3390	3394	3348	3266	3182	3057	2906	2777	2576
32.5	3395	3386	3382	3317	3250	3157	3016	2857	2690	2494
35.0	3371	3363	3343	3281	3213	3112	2957	2790	2619	2407
37.5	3327	3319	3295	3245	3157	3034	2886	2716	2520	2314
40.0	3259	3247	3231	3171	3090	2953	2802	2624	2416	2200
42.5	3175	3155	3139	3076	2994	2860	2692	2510	2296	2082
45.0	3069	3057	3031	2964	2874	2752	2582	2389	2168	1955
47.5	2941	2923	2904	2841	2747	2622	2456	2267	2039	1821
50.0	2800	2780	2758	2693	2607	2471	2318	2125	1902	1682
52.5	2628	2625	2600	2536	2439	2313	2150	1965	1750	1543
55.0	2453	2447	2424	2366	2265	2141	1982	1796	1597	1398
57.5	2258	2258	2234	2175	2082	1958	1808	1635	1447	1251
60.0	2040	2034	2013	1974	1884	1762	1630	1473	1288	1108
62.5	1810	1802	1790	1740	1667	1568	1450	1304	1135	962
65.0	1570	1564	1546	1512	1459	1371	1268	1139	986	829
67.5	1328	1323	1308	1282	1234	1172	1087	976	833	695
70.0	1091	1088	1074	1056	1019	977	908	818	695	576
72.5	861	849	850	839	814	778	737	658	563	464
75.0	628	637	639	634	620	599	565	512	440	361
77.5	434	435	448	447	442	433	406	371	325	265
80.0	264	264	270	281	277	284	271	250	216	181
82.5	120	121	127	135	144	151	152	145	128	105
85.0	17	18	23	26	40	52	60	62	56	45
87.5	0	0	1	1	1	1	3	6	9	8
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	2754	2754	2754	2754	2754	2754	2754	2754	2754	2754
2.5	2802	2801	2783	2768	2752	2730	2712	2691	2672	2666
5.0	2816	2809	2779	2748	2717	2678	2644	2614	2591	2583
7.5	2828	2813	2763	2719	2676	2629	2585	2536	2501	2483
10.0	2814	2788	2723	2673	2620	2552	2494	2444	2403	2384
12.5	2780	2749	2666	2598	2529	2454	2395	2340	2305	2271
15.0	2761	2719	2620	2536	2446	2349	2283	2235	2200	2162
17.5	2743	2696	2588	2474	2365	2261	2182	2121	2054	2010
20.0	2712	2663	2535	2412	2292	2168	2059	1970	1916	1880
22.5	2672	2610	2476	2323	2191	2049	1927	1832	1779	1735
25.0	2628	2548	2395	2225	2080	1916	1798	1699	1639	1592
27.5	2564	2479	2306	2123	1966	1784	1660	1558	1490	1450

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CANDELA TABULATION - (Cont.)

30.0	2495	2403	2215	2024	1839	1660	1519	1417	1347	1304
32.5	2409	2310	2103	1908	1696	1524	1380	1272	1195	1144
35.0	2311	2209	1991	1778	1559	1386	1241	1125	1045	993
37.5	2207	2092	1869	1644	1419	1239	1097	980	893	849
40.0	2091	1974	1746	1509	1287	1103	958	844	756	716
42.5	1957	1849	1625	1368	1152	969	815	702	634	597
45.0	1827	1718	1490	1232	1019	838	687	586	528	495
47.5	1697	1589	1349	1102	896	709	576	488	432	406
50.0	1559	1450	1213	979	775	599	478	400	348	326
52.5	1418	1312	1084	846	657	499	393	321	277	256
55.0	1278	1178	957	732	555	413	318	257	222	203
57.5	1143	1045	831	627	464	339	257	205	175	161
60.0	1008	917	716	533	381	274	205	164	138	128
62.5	873	795	610	445	312	218	162	130	113	105
65.0	743	672	514	368	252	175	130	104	94	89
67.5	627	564	425	300	202	140	103	86	80	77
70.0	517	459	343	240	159	109	82	71	67	65
72.5	415	368	272	187	121	85	65	59	56	55
75.0	322	285	208	134	91	63	50	47	45	45
77.5	236	209	152	94	63	45	37	35	35	35
80.0	162	143	99	61	40	28	26	25	25	25
82.5	97	83	57	34	22	16	15	15	16	16
85.0	41	38	24	14	9	8	8	8	9	9
87.5	8	7	5	3	2	2	2	1	1	1
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

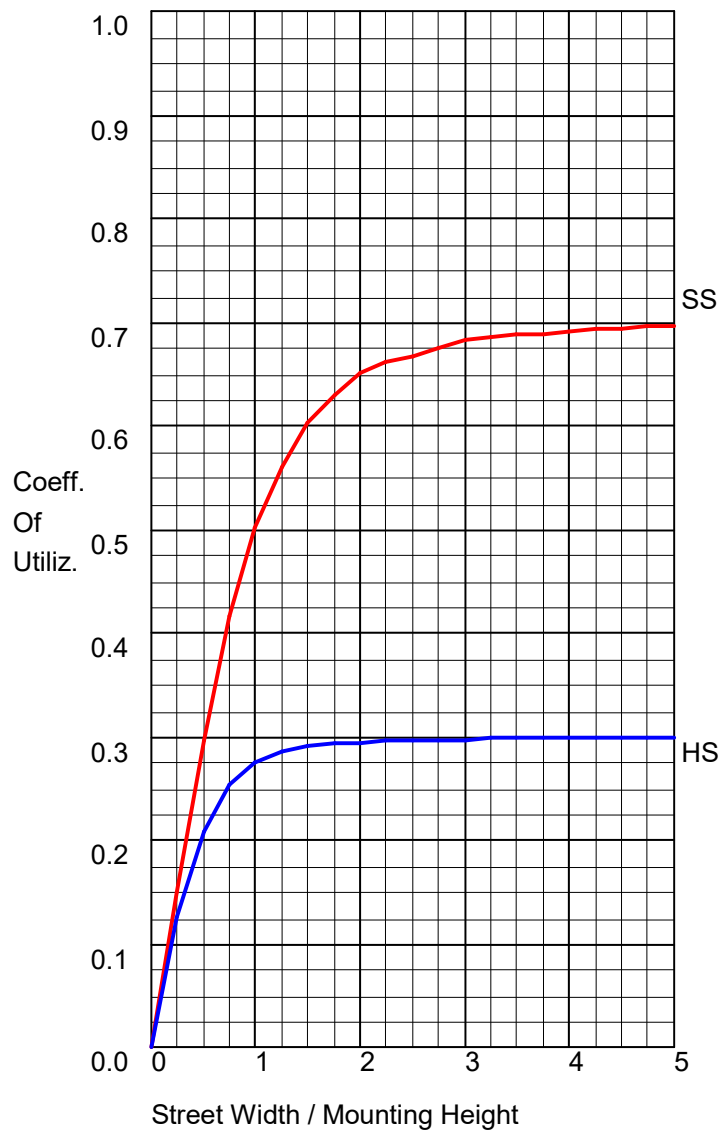
	180
0.0	2754
2.5	2664
5.0	2582
7.5	2482
10.0	2383
12.5	2267
15.0	2156
17.5	1999
20.0	1874
22.5	1732
25.0	1585
27.5	1428
30.0	1288
32.5	1138
35.0	987
37.5	846
40.0	712
42.5	593
45.0	491
47.5	402
50.0	323
52.5	256
55.0	197
57.5	157
60.0	127
62.5	104
65.0	89

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CANDELA TABULATION - (Cont.)

67.5	77
70.0	65
72.5	56
75.0	45
77.5	34
80.0	25
82.5	16
85.0	9
87.5	1
90.0	0

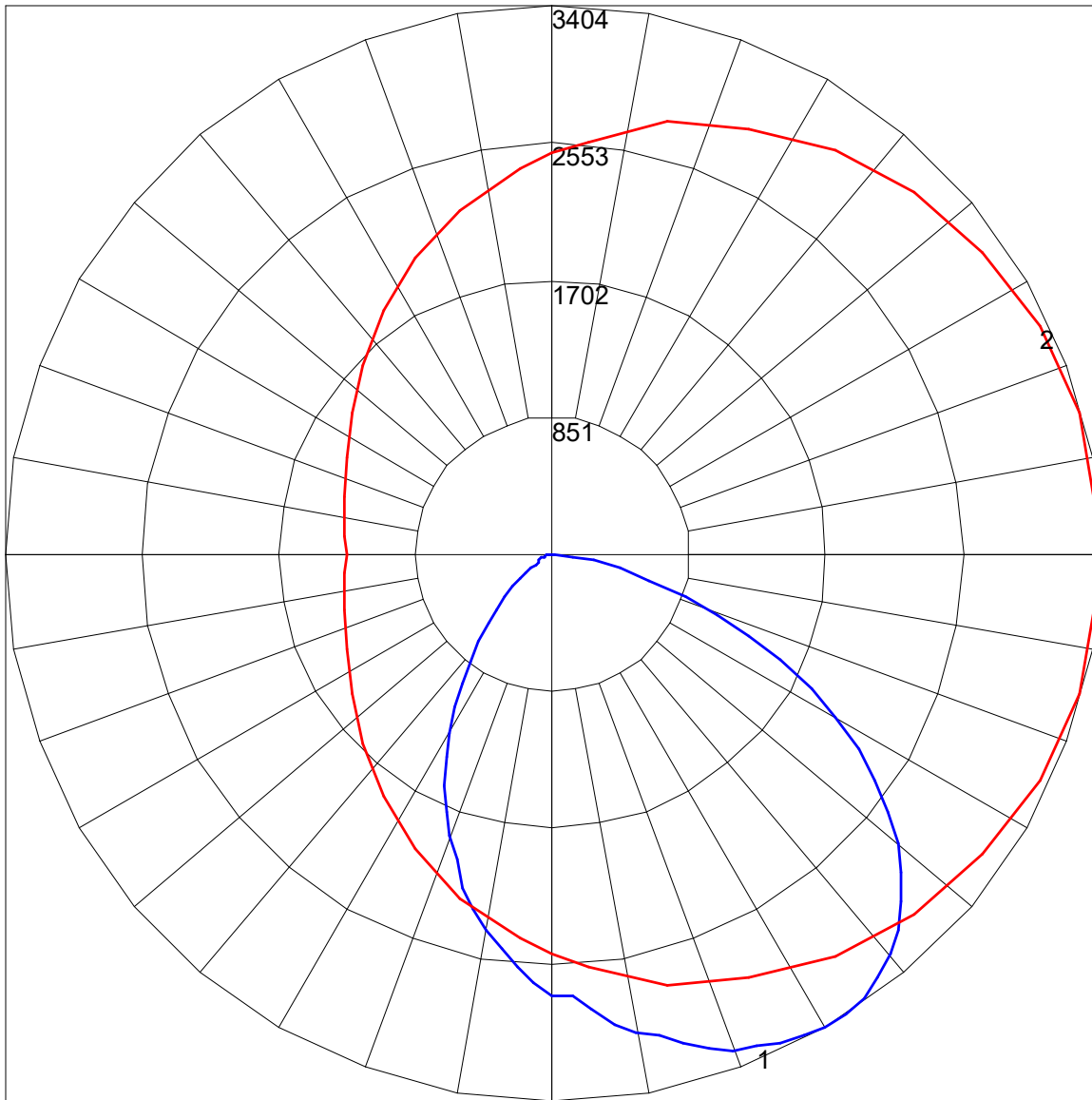
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

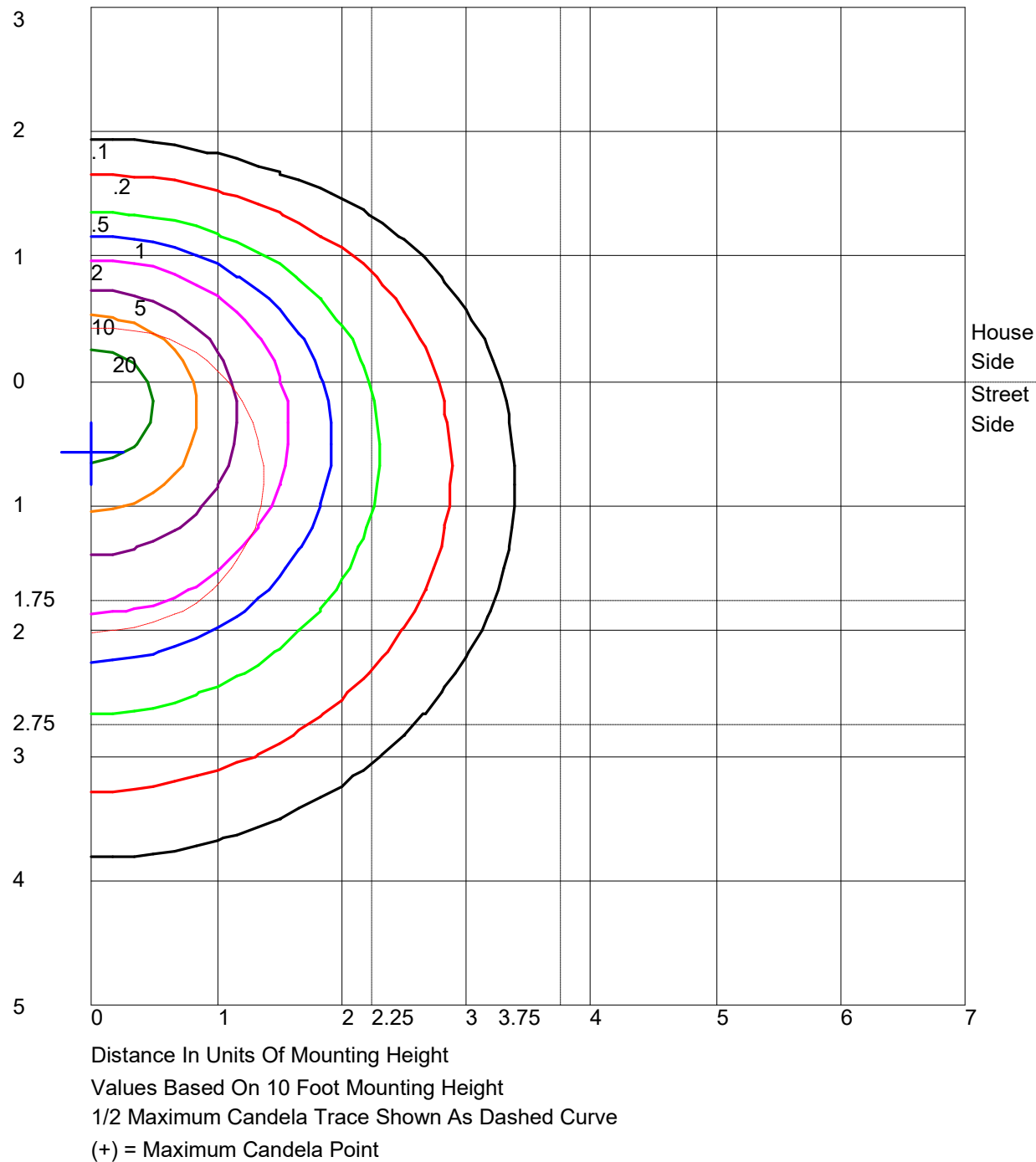
	Lumens	Percent Of Luminaire
Downward Street Side	5137.2	70.0
Downward House Side	2200.2	30.0
Downward Total	7337.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7337.4	100.0

POLAR GRAPH

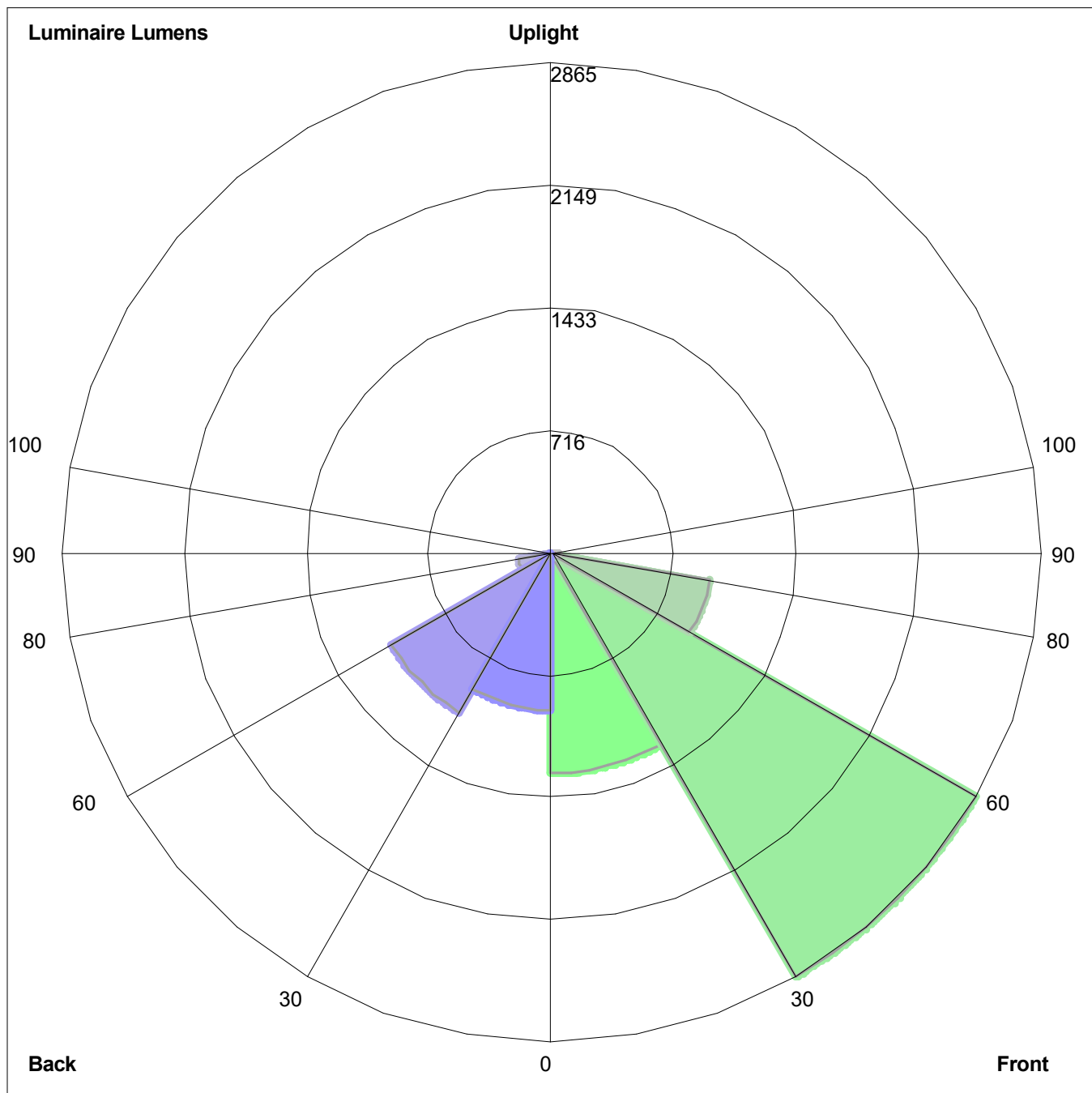


Maximum Candela = 3404 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1292.2, Medium=2865.5, High=937.9, Very High=41.7
Back: Low=919.5, Medium=1076.7, High=194.0, Very High=10.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1