



IES ROAD REPORT
PHOTOMETRIC FILENAME : GSR-08L-FT-40.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-40
[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] 4000

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7709
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	3522
Maximum Candela Angle	5H 27.5V
Maximum Candela (<90 Degrees Vertical)	3522
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	351 (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)	1346.0	N.A.	17.5
FM - Front-Medium (30-60)	2980.9	N.A.	38.7
FH - Front-High (60-80)	1006.9	N.A.	13.1
FVH - Front-Very High (80-90)	49.5	N.A.	0.6
BL - Back-Low (0-30)	949.1	N.A.	12.3
BM - Back-Medium (30-60)	1155.6	N.A.	15.0
BH - Back-High (60-80)	210.3	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	7708.9	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	2866	2866	2866	2866	2866	2866	2866	2866	2866	2866
2.5	2878	2880	2885	2891	2896	2906	2912	2914	2910	2914
5.0	2992	2992	2994	2992	2987	2985	2972	2959	2939	2922
7.5	3123	3123	3122	3113	3101	3079	3045	3001	2953	2918
10.0	3213	3215	3221	3221	3195	3158	3096	3025	2957	2909
12.5	3221	3223	3252	3261	3249	3206	3155	3077	2981	2906
15.0	3250	3253	3266	3269	3239	3236	3211	3131	3003	2907
17.5	3363	3360	3362	3322	3258	3249	3244	3159	3020	2891
20.0	3445	3449	3445	3396	3322	3255	3228	3166	3026	2866
22.5	3482	3485	3481	3438	3400	3297	3198	3149	3021	2839
25.0	3505	3500	3490	3449	3437	3339	3205	3119	2998	2792
27.5	3519	3522	3515	3444	3432	3346	3216	3072	2966	2738
30.0	3485	3498	3497	3458	3405	3324	3205	3023	2908	2682
32.5	3465	3468	3453	3424	3369	3284	3163	2978	2838	2606
35.0	3463	3465	3435	3379	3304	3222	3103	2919	2747	2516
37.5	3447	3457	3410	3347	3232	3143	3016	2844	2630	2409
40.0	3382	3381	3347	3304	3177	3048	2920	2753	2517	2285
42.5	3278	3274	3244	3206	3101	2954	2806	2634	2391	2168
45.0	3163	3161	3118	3083	3014	2851	2690	2497	2257	2022
47.5	3049	3038	2996	2942	2876	2736	2551	2351	2123	1879
50.0	2923	2915	2868	2800	2717	2595	2404	2186	1973	1739
52.5	2762	2766	2718	2651	2544	2428	2244	2028	1810	1585
55.0	2583	2588	2546	2485	2370	2248	2060	1869	1650	1431
57.5	2384	2392	2361	2300	2197	2047	1886	1693	1483	1282
60.0	2177	2172	2161	2096	2004	1851	1702	1519	1321	1130
62.5	1951	1950	1930	1871	1784	1656	1509	1346	1159	978
65.0	1714	1714	1694	1638	1568	1455	1318	1173	1003	838
67.5	1471	1472	1446	1409	1338	1249	1133	1004	853	700
70.0	1228	1216	1208	1178	1119	1047	949	839	704	578
72.5	993	978	972	951	903	842	773	676	571	464
75.0	743	751	749	733	699	652	588	528	445	360
77.5	531	540	541	531	507	479	433	383	329	266
80.0	339	348	351	347	335	314	292	260	220	182
82.5	167	167	173	185	181	178	169	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	2866	2866	2866	2866	2866	2866	2866	2866	2866	2866
2.5	2913	2906	2891	2877	2862	2845	2824	2800	2786	2777
5.0	2913	2897	2865	2833	2803	2769	2735	2702	2680	2665
7.5	2900	2873	2824	2773	2728	2682	2637	2590	2557	2542
10.0	2885	2854	2782	2702	2634	2576	2534	2490	2467	2454
12.5	2875	2843	2748	2646	2552	2492	2442	2401	2377	2354
15.0	2867	2818	2702	2584	2498	2431	2360	2297	2260	2242
17.5	2837	2775	2638	2520	2432	2339	2246	2176	2122	2109
20.0	2805	2742	2588	2453	2353	2240	2129	2032	1973	1960
22.5	2768	2694	2509	2377	2255	2128	1993	1904	1852	1826
25.0	2715	2630	2425	2293	2148	1991	1869	1785	1716	1690
27.5	2654	2555	2345	2195	2031	1865	1751	1649	1580	1546

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CANDELA TABULATION - (Cont.)

30.0	2580	2475	2260	2092	1901	1744	1616	1511	1438	1406
32.5	2493	2374	2149	1974	1766	1610	1476	1376	1299	1260
35.0	2387	2267	2038	1837	1629	1466	1337	1236	1156	1113
37.5	2275	2146	1918	1703	1501	1328	1202	1093	1005	963
40.0	2152	2018	1797	1571	1366	1194	1055	944	864	825
42.5	2015	1888	1665	1433	1229	1063	918	801	735	698
45.0	1880	1752	1531	1296	1097	932	778	679	622	596
47.5	1742	1603	1381	1162	971	798	661	577	526	502
50.0	1595	1463	1243	1033	851	680	557	484	436	410
52.5	1451	1320	1109	903	728	571	466	399	355	332
55.0	1300	1180	978	780	619	477	383	324	286	267
57.5	1159	1044	850	673	517	395	314	262	232	214
60.0	1021	907	731	574	429	319	254	212	185	172
62.5	886	785	623	483	352	259	206	169	150	141
65.0	750	667	525	400	285	210	163	134	122	115
67.5	624	558	436	325	227	168	129	108	98	94
70.0	514	454	355	260	179	130	102	86	79	77
72.5	413	363	279	200	138	101	78	68	64	63
75.0	319	280	214	146	102	75	59	52	51	51
77.5	235	206	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

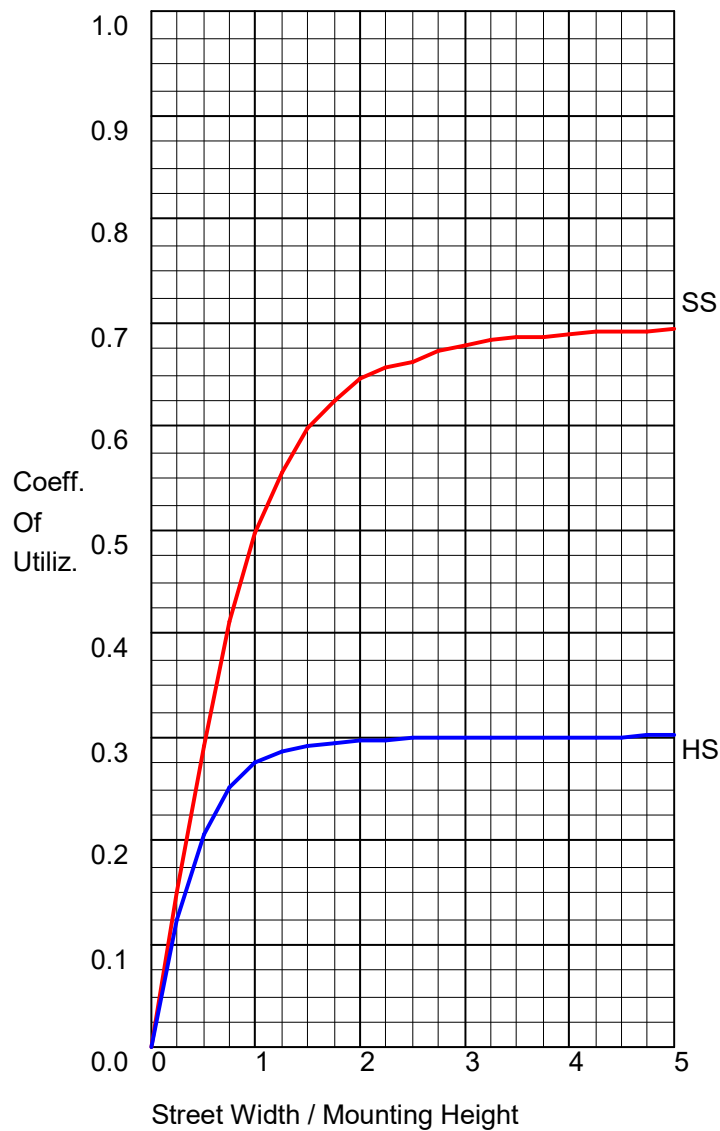
	180
0.0	2866
2.5	2777
5.0	2662
7.5	2538
10.0	2450
12.5	2350
15.0	2240
17.5	2108
20.0	1954
22.5	1833
25.0	1698
27.5	1540
30.0	1403
32.5	1254
35.0	1110
37.5	959
40.0	820
42.5	696
45.0	592
47.5	499
50.0	412
52.5	333
55.0	262
57.5	211
60.0	170
62.5	139
65.0	114

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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

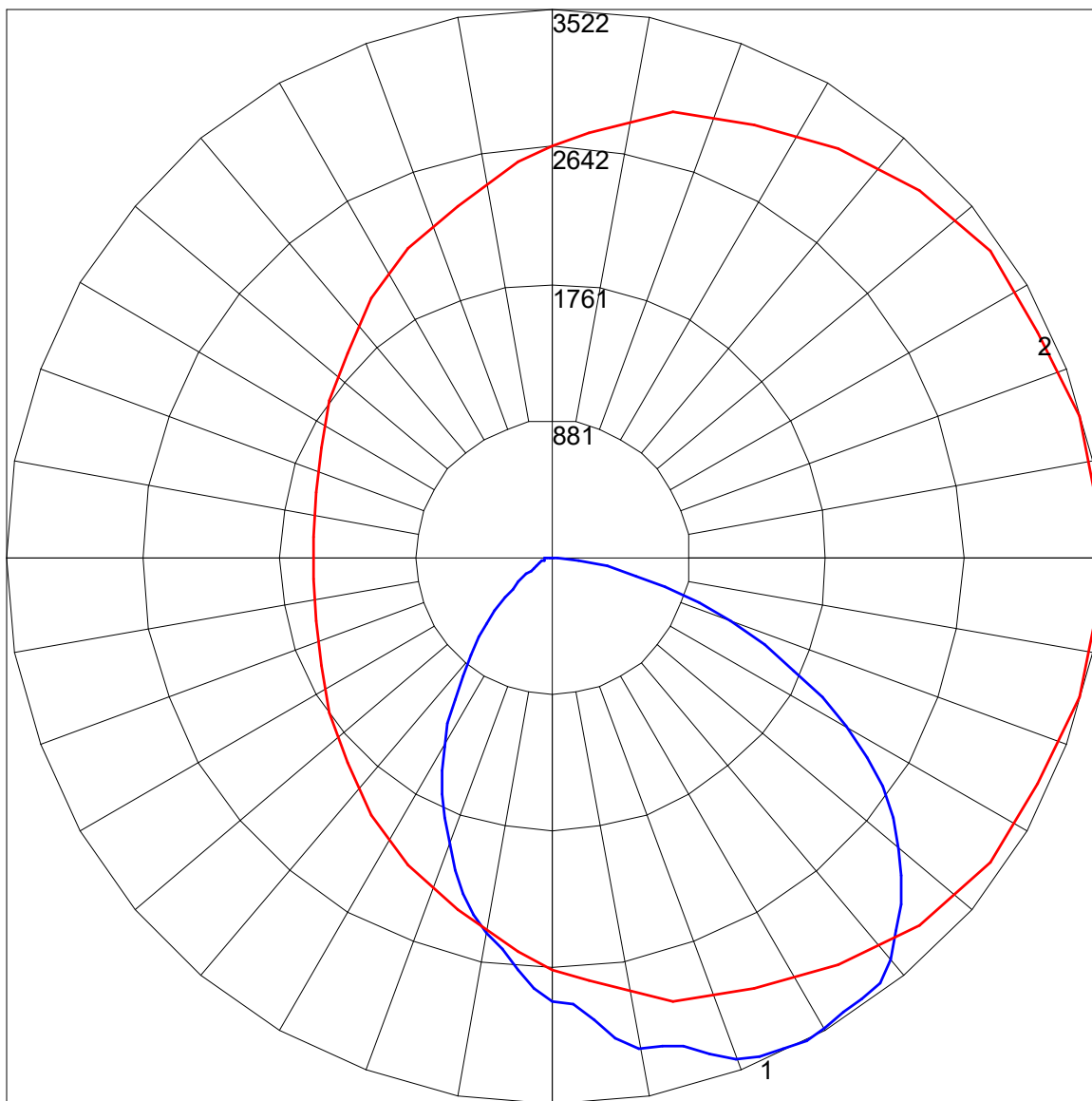
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

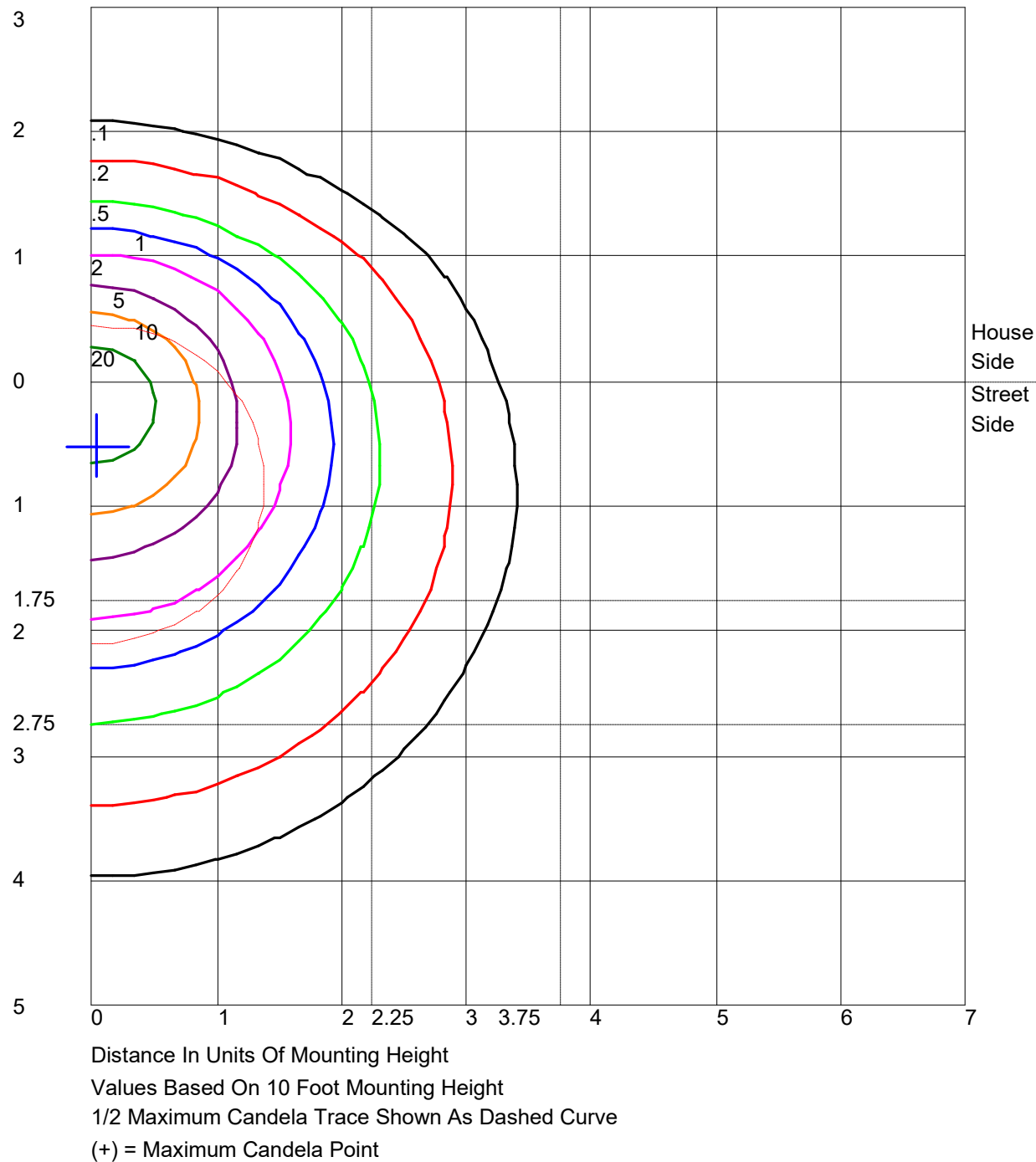
	Lumens	Percent Of Luminaire
Downward Street Side	5383.4	69.8
Downward House Side	2325.7	30.2
Downward Total	7709.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7709.1	100.0

POLAR GRAPH

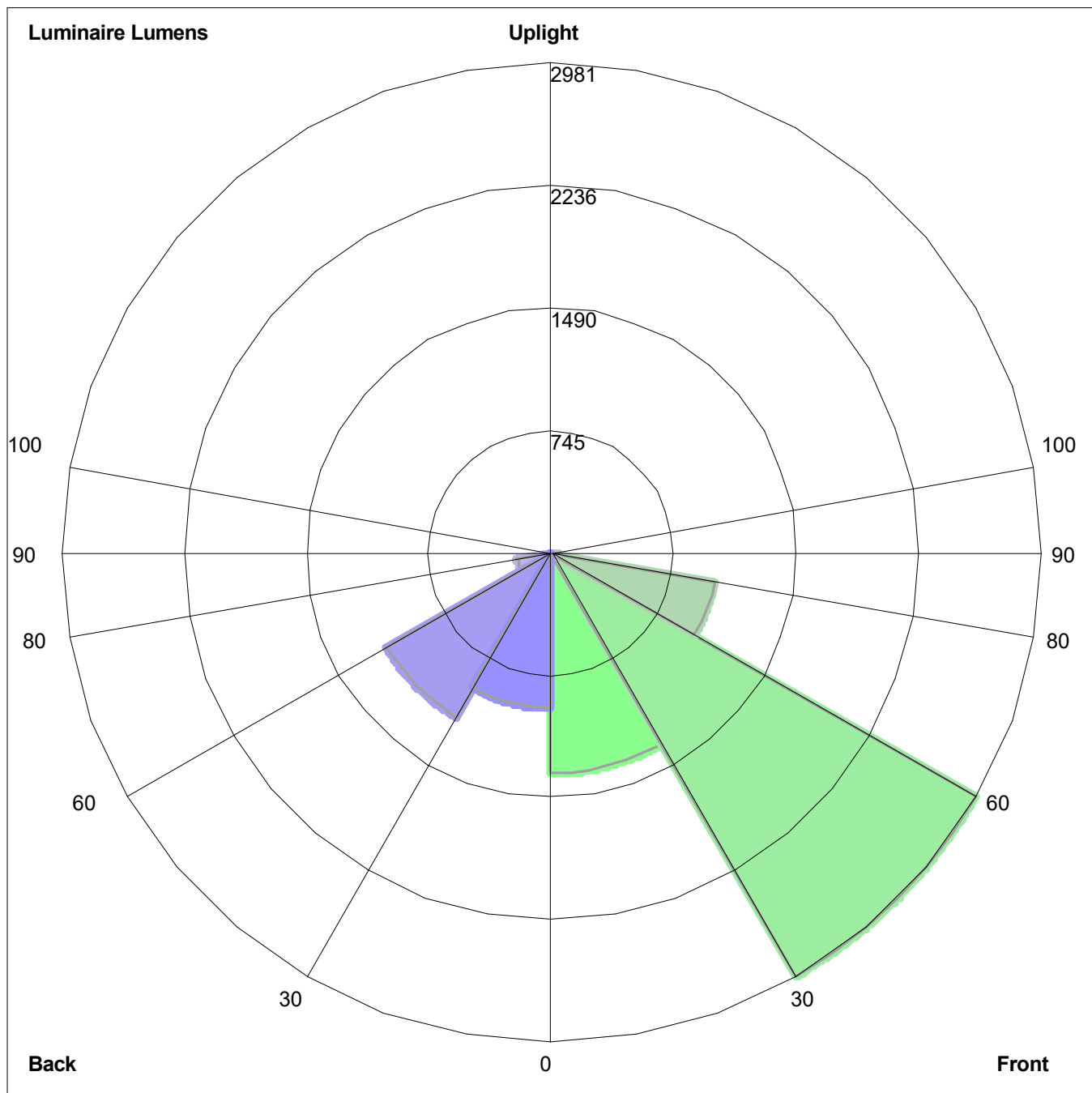


Maximum Candela = 3522 Located At Horizontal Angle = 5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1346.0, Medium=2980.9, High=1006.9, Very High=49.5
Back: Low=949.1, Medium=1155.6, High=210.3, Very High=10.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1