



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-10L-5R-30K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12912
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 10/22/2021
[TESTDATE] 08/25/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] HPG-10L-5R-30K8
[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 VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10705
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	79
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3071
Maximum Candela Angle	45H 62.5V
Maximum Candela (<90 Degrees Vertical)	3071
Maximum Candela Angle (<90 Degrees Vertical)	45H 62.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	536 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1006.7	N.A.	9.4
FM - Front-Medium (30-60)	2849.3	N.A.	26.6
FH - Front-High (60-80)	1438.8	N.A.	13.4
FVH - Front-Very High (80-90)	57.8	N.A.	0.5
BL - Back-Low (0-30)	1006.7	N.A.	9.4
BM - Back-Medium (30-60)	2849.3	N.A.	26.6
BH - Back-High (60-80)	1438.8	N.A.	13.4
BVH - Back-Very High (80-90)	57.8	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10705.2	N.A.	100.0
BUG Rating	B3-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	2415	2415	2415	2415	2415	2415	2415	2415	2415	2415
2.5	2404	2404	2406	2403	2415	2421	2424	2429	2439	2440
5.0	2397	2400	2400	2397	2410	2418	2426	2432	2442	2441
7.5	2384	2386	2389	2389	2407	2414	2420	2428	2444	2443
10.0	2366	2369	2371	2370	2387	2400	2413	2421	2441	2440
12.5	2357	2360	2361	2362	2379	2387	2399	2416	2436	2436
15.0	2353	2353	2353	2354	2370	2382	2386	2407	2430	2435
17.5	2354	2352	2351	2349	2364	2374	2379	2390	2426	2436
20.0	2354	2355	2355	2353	2362	2369	2374	2379	2420	2440
22.5	2363	2365	2364	2359	2371	2371	2370	2376	2414	2445
25.0	2375	2379	2379	2373	2384	2379	2373	2377	2409	2445
27.5	2388	2392	2397	2393	2400	2393	2380	2377	2403	2445
30.0	2402	2403	2411	2409	2415	2403	2385	2378	2401	2452
32.5	2400	2405	2423	2425	2428	2411	2395	2385	2403	2460
35.0	2398	2403	2424	2435	2440	2425	2406	2391	2402	2463
37.5	2397	2403	2423	2437	2449	2435	2413	2385	2389	2459
40.0	2390	2397	2411	2434	2451	2439	2415	2370	2372	2451
42.5	2426	2420	2414	2434	2450	2440	2415	2361	2352	2435
45.0	2562	2548	2459	2445	2454	2439	2423	2352	2335	2426
47.5	2581	2584	2594	2479	2473	2450	2428	2335	2329	2436
50.0	2595	2591	2598	2573	2514	2474	2442	2330	2341	2465
52.5	2623	2626	2638	2677	2581	2538	2472	2331	2338	2468
55.0	2649	2657	2695	2717	2625	2620	2536	2312	2324	2477
57.5	2623	2643	2736	2775	2751	2738	2585	2290	2342	2537
60.0	2495	2514	2663	2745	2881	2917	2606	2259	2296	2489
62.5	2240	2264	2388	2543	2891	3071	2613	2159	2092	2226
65.0	1878	1906	2004	2219	2665	2976	2557	1967	1813	1861
67.5	1435	1449	1549	1778	2190	2591	2355	1647	1466	1407
70.0	1040	1051	1112	1316	1647	2065	1954	1232	1090	920
72.5	713	724	765	923	1232	1569	1408	825	657	492
75.0	512	524	539	640	900	1235	953	597	442	314
77.5	366	377	376	432	674	932	705	384	229	169
80.0	255	250	243	282	501	536	403	192	152	126
82.5	139	140	136	202	277	244	149	107	104	87
85.0	67	67	73	117	179	87	54	60	67	57
87.5	34	34	42	40	57	22	18	20	23	26
90.0	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles** **Horizontal Angles**

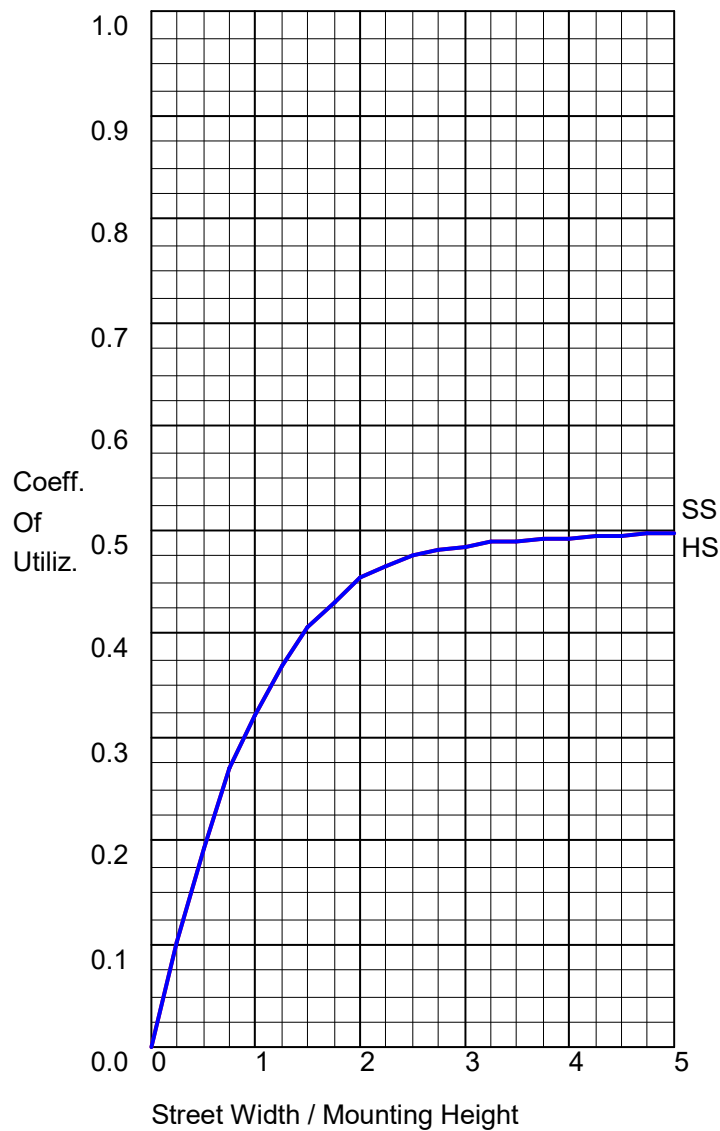
	<u>90</u>
0.0	2415
2.5	2438
5.0	2441
7.5	2442
10.0	2437
12.5	2436
15.0	2434
17.5	2434
20.0	2440
22.5	2442
25.0	2447
27.5	2452

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CANDELA TABULATION - (Cont.)

30.0	2458
32.5	2469
35.0	2471
37.5	2470
40.0	2463
42.5	2451
45.0	2440
47.5	2456
50.0	2488
52.5	2487
55.0	2497
57.5	2561
60.0	2542
62.5	2303
65.0	1913
67.5	1418
70.0	894
72.5	425
75.0	272
77.5	156
80.0	118
82.5	80
85.0	52
87.5	23
90.0	0

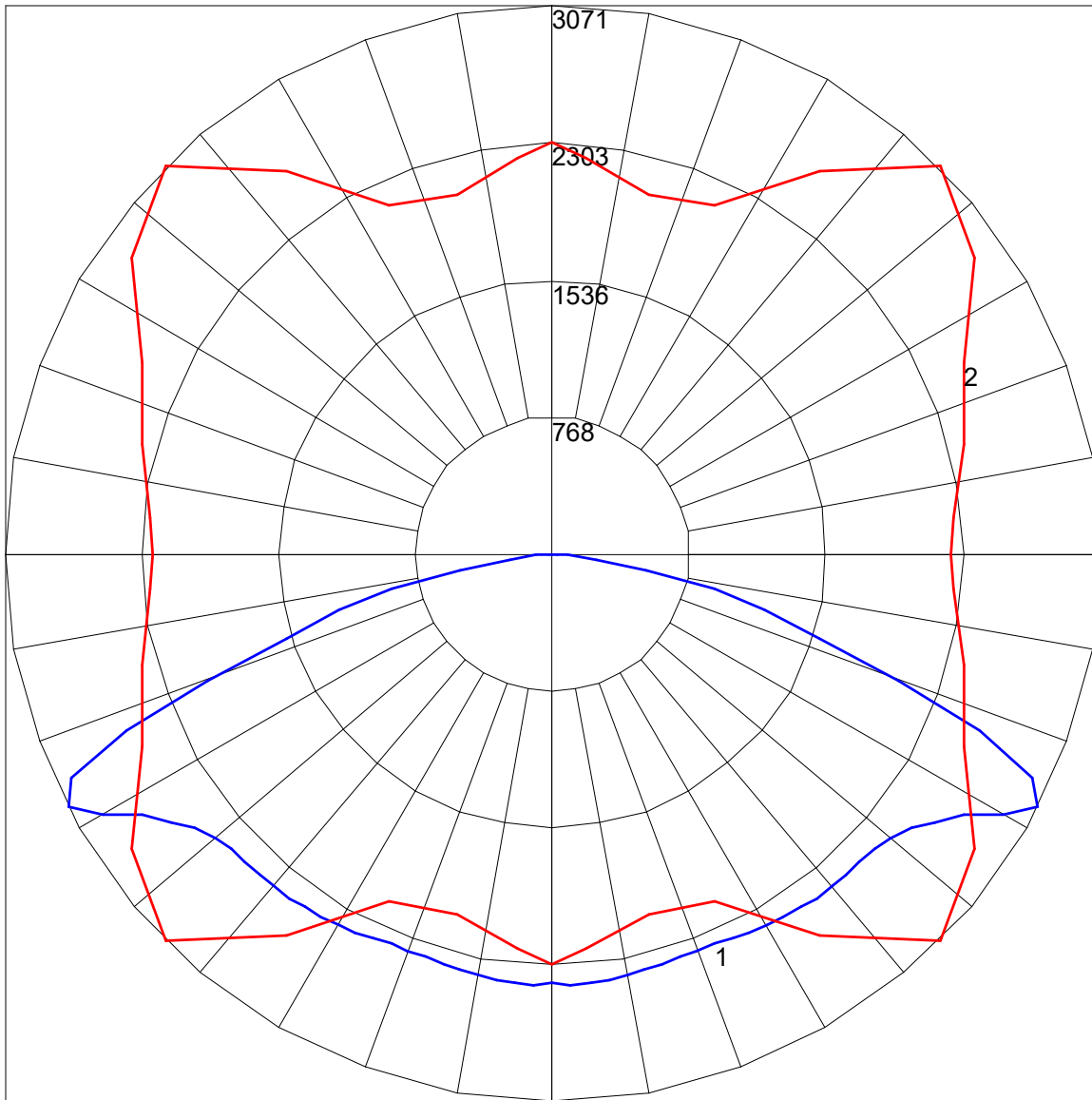
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

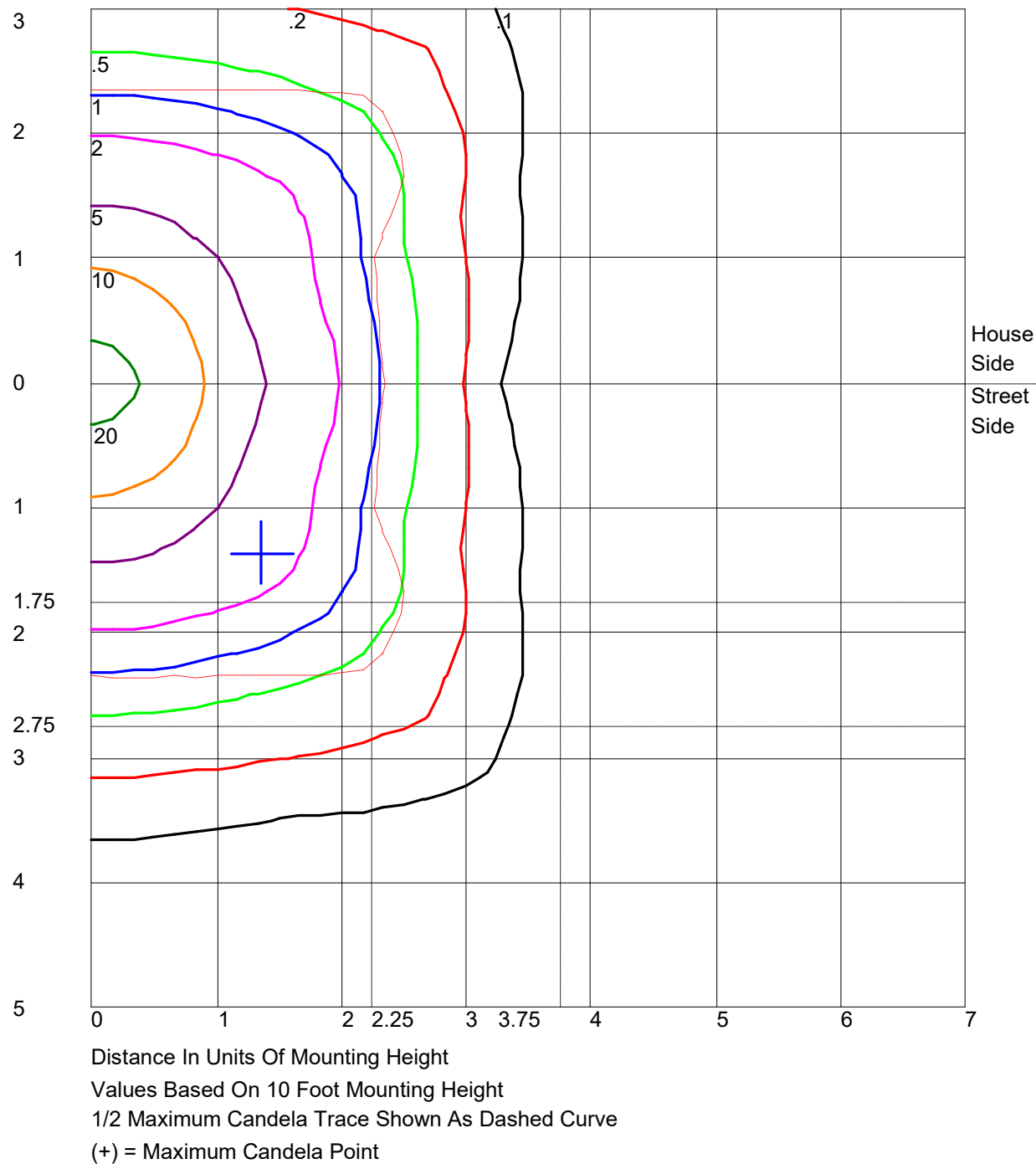
	Lumens	Percent Of Luminaire
Downward Street Side	5352.6	50.0
Downward House Side	5352.6	50.0
Downward Total	10705.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10705.2	100.0

POLAR GRAPH

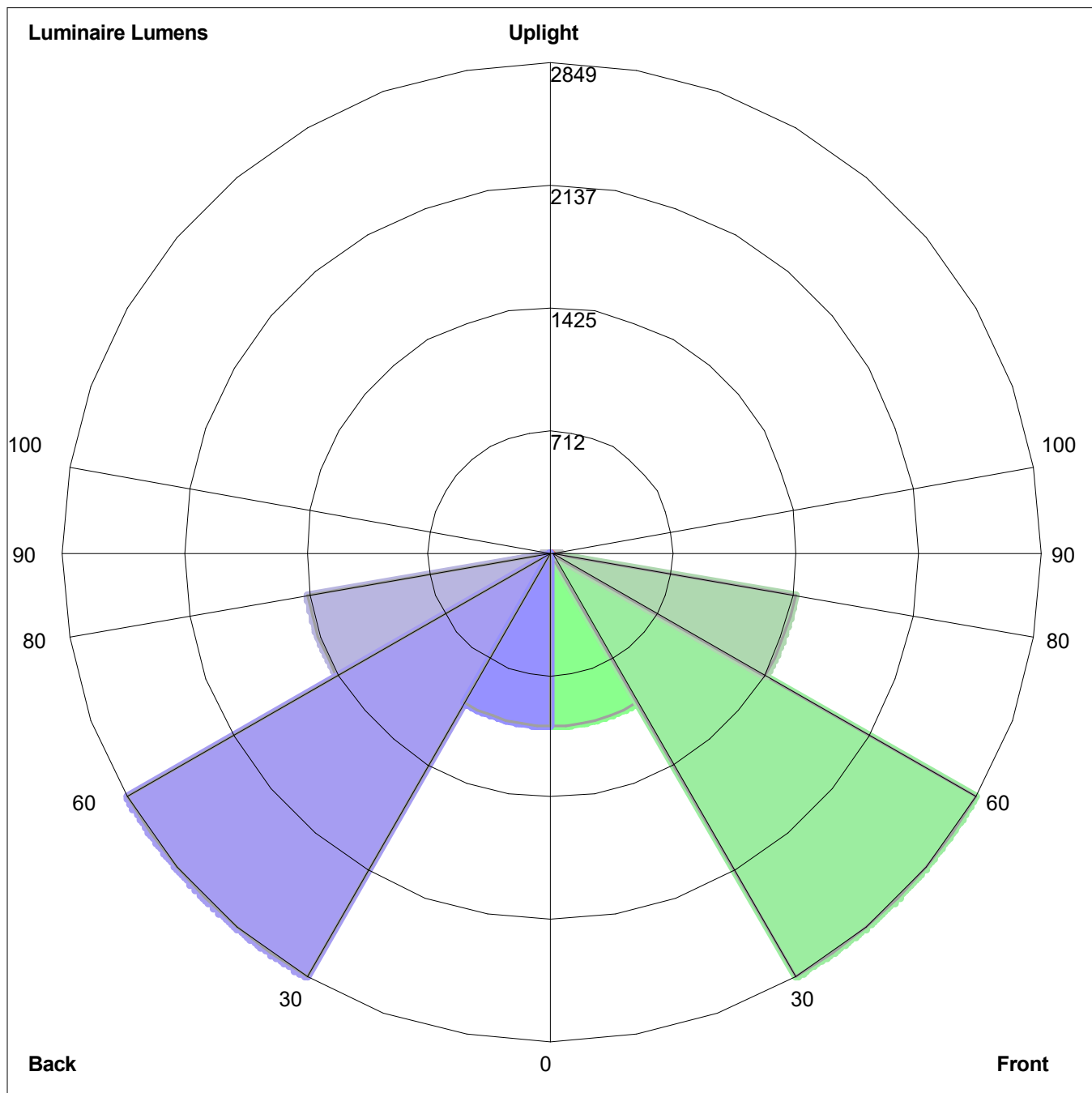


Maximum Candela = 3071 Located At Horizontal Angle = 45, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (62.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1006.7, Medium=2849.3, High=1438.8, Very High=57.8
Back: Low=1006.7, Medium=2849.3, High=1438.8, Very High=57.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1