



## IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-13L-5Q-30K8.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12892

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 10/22/2021

[TEST DATE] 08/18/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] HPG-13L-5Q-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	12517
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	106
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6100
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	6100
Maximum Candela Angle (<90 Degrees Vertical)	45H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1018 (8.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



HPG

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : HPG-13L-5Q-30K8.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	619.6	N.A.	5.0
FM - Front-Medium (30-60)	2902.8	N.A.	23.2
FH - Front-High (60-80)	2632.9	N.A.	21.0
FVH - Front-Very High (80-90)	103.3	N.A.	0.8
BL - Back-Low (0-30)	619.6	N.A.	5.0
BM - Back-Medium (30-60)	2902.8	N.A.	23.2
BH - Back-High (60-80)	2632.9	N.A.	21.0
BVH - Back-Very High (80-90)	103.3	N.A.	0.8
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	12517.2	N.A.	100.0
BUG Rating	B4-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : HPG-13L-5Q-30K8.IES**

**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	1431	1431	1431	1431	1431	1431	1431	1431	1431	1431
2.5	1435	1434	1432	1431	1434	1435	1435	1434	1438	1437
5.0	1430	1428	1429	1428	1427	1425	1424	1424	1428	1428
7.5	1419	1419	1420	1413	1416	1420	1417	1413	1417	1416
10.0	1410	1409	1408	1398	1393	1387	1393	1399	1407	1407
12.5	1403	1403	1399	1390	1379	1376	1381	1393	1402	1406
15.0	1404	1405	1396	1380	1376	1380	1378	1385	1403	1408
17.5	1421	1420	1403	1379	1382	1386	1385	1387	1411	1427
20.0	1454	1453	1424	1396	1401	1402	1406	1407	1434	1456
22.5	1501	1501	1460	1437	1437	1438	1445	1447	1467	1501
25.0	1557	1554	1506	1493	1496	1501	1501	1502	1515	1554
27.5	1614	1609	1564	1560	1574	1578	1578	1570	1568	1608
30.0	1679	1673	1627	1637	1653	1655	1655	1640	1630	1674
32.5	1753	1745	1701	1732	1739	1737	1737	1726	1699	1741
35.0	1822	1815	1776	1819	1835	1828	1834	1810	1768	1807
37.5	1893	1884	1843	1901	1936	1933	1931	1886	1829	1884
40.0	1964	1958	1908	1977	2039	2044	2033	1958	1891	1961
42.5	2082	2056	1976	2055	2142	2154	2141	2041	1968	2070
45.0	2297	2264	2097	2141	2253	2266	2266	2148	2098	2303
47.5	2411	2382	2308	2258	2386	2399	2420	2279	2349	2445
50.0	2598	2567	2441	2487	2567	2624	2613	2537	2509	2650
52.5	2860	2833	2694	2743	2870	2965	2930	2823	2762	2914
55.0	3283	3255	3071	3043	3252	3425	3296	3096	3116	3288
57.5	3730	3705	3534	3477	3794	3962	3790	3467	3513	3685
60.0	4001	3974	3867	3894	4413	4658	4331	3841	3839	3959
62.5	3896	3813	3790	4031	4898	5484	4784	3985	3770	3797
65.0	3362	3341	3396	3792	5033	6100	4955	3759	3356	3307
67.5	2621	2690	2844	3344	4822	5813	4732	3258	2772	2622
70.0	1641	1781	1977	2505	4081	4881	3934	2355	1905	1717
72.5	834	983	1178	1603	2963	3727	2817	1500	1121	948
75.0	461	536	689	988	1815	2519	1799	950	680	526
77.5	314	340	404	658	1232	1818	1262	652	404	339
80.0	226	232	253	389	844	1018	889	398	259	232
82.5	152	150	167	286	397	455	427	286	171	150
85.0	83	88	112	193	263	136	277	183	114	90
87.5	47	53	65	82	115	37	106	69	65	52
90.0	0	0	0	0	0	0	0	0	0	0

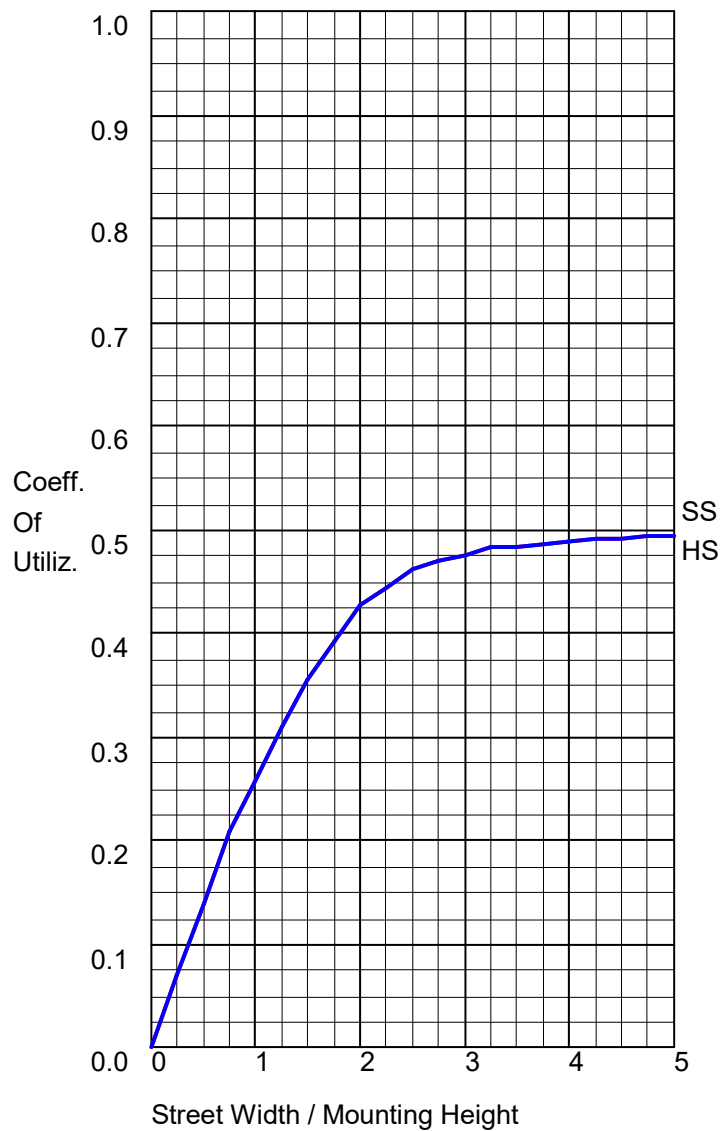
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	1431
2.5	1436
5.0	1427
7.5	1415
10.0	1407
12.5	1404
15.0	1407
17.5	1426
20.0	1454
22.5	1499
25.0	1551
27.5	1609

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : HPG-13L-5Q-30K8.IES**

**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	1678
<b>32.5</b>	1749
<b>35.0</b>	1817
<b>37.5</b>	1891
<b>40.0</b>	1969
<b>42.5</b>	2087
<b>45.0</b>	2330
<b>47.5</b>	2463
<b>50.0</b>	2662
<b>52.5</b>	2909
<b>55.0</b>	3302
<b>57.5</b>	3692
<b>60.0</b>	3967
<b>62.5</b>	3819
<b>65.0</b>	3299
<b>67.5</b>	2572
<b>70.0</b>	1620
<b>72.5</b>	842
<b>75.0</b>	458
<b>77.5</b>	306
<b>80.0</b>	224
<b>82.5</b>	150
<b>85.0</b>	84
<b>87.5</b>	47
<b>90.0</b>	0

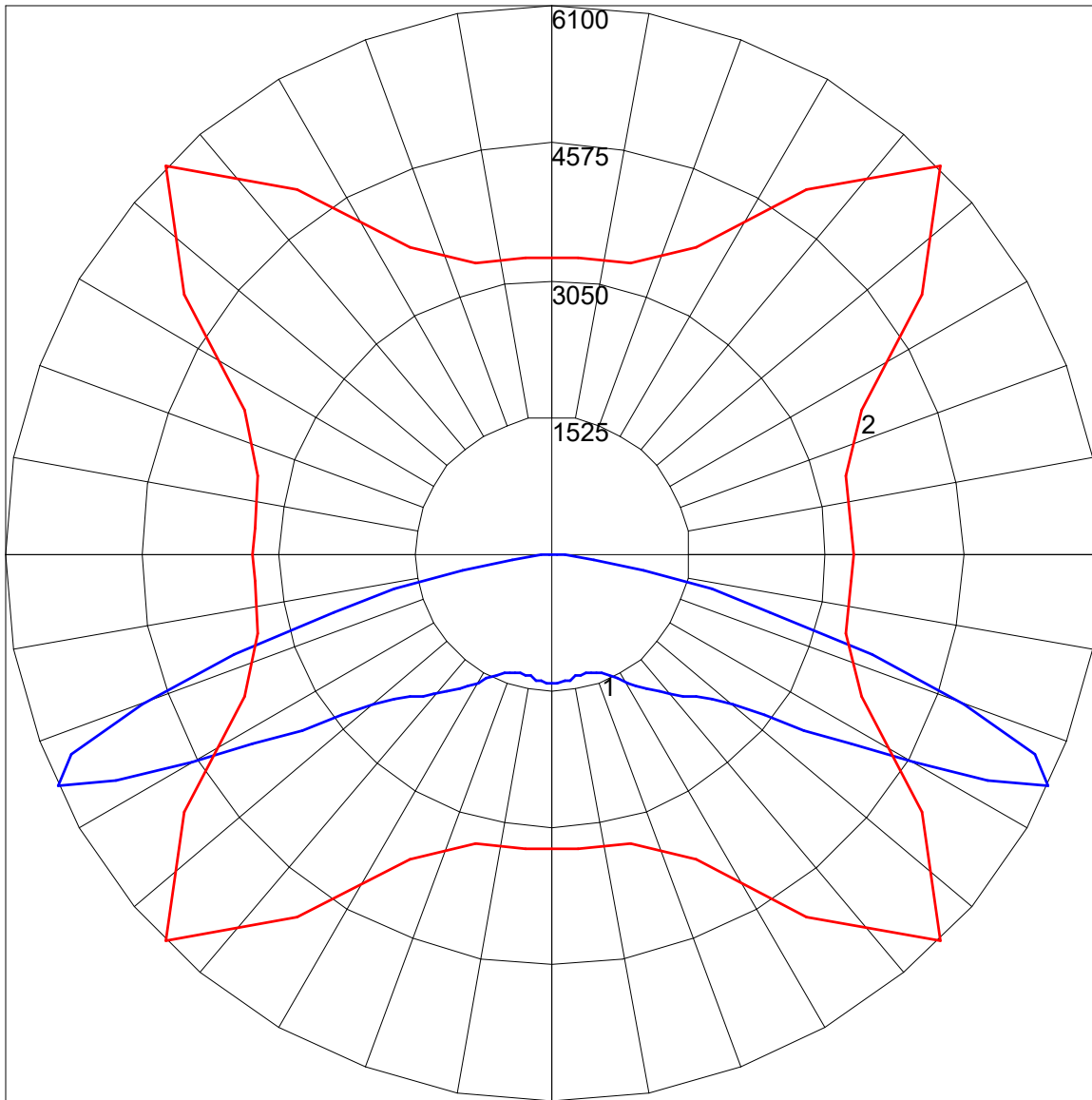
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

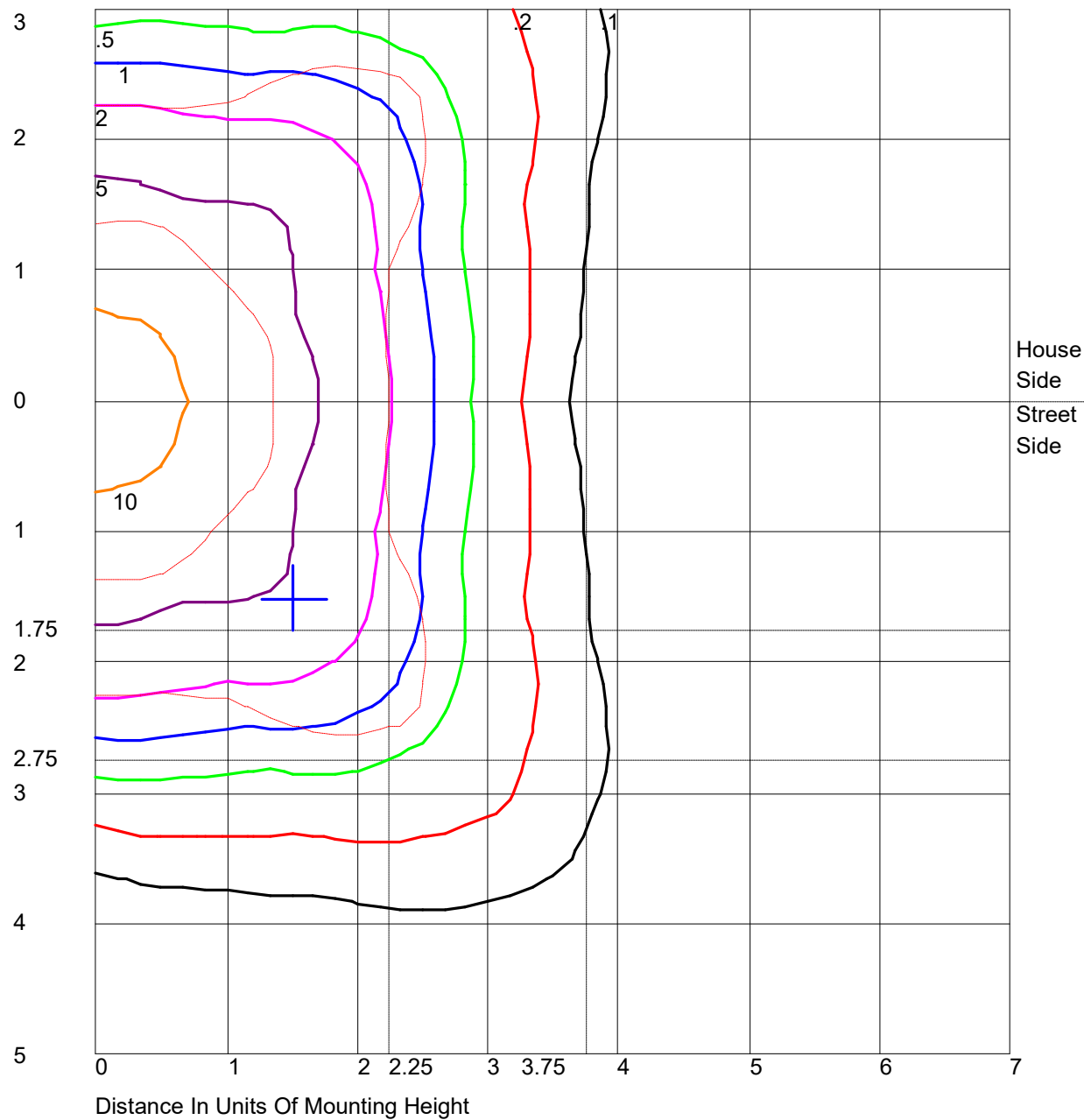
	Lumens	Percent Of Luminaire
Downward Street Side	6258.6	50.0
Downward House Side	6258.6	50.0
Downward Total	12517.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	12517.2	100.0

POLAR GRAPH

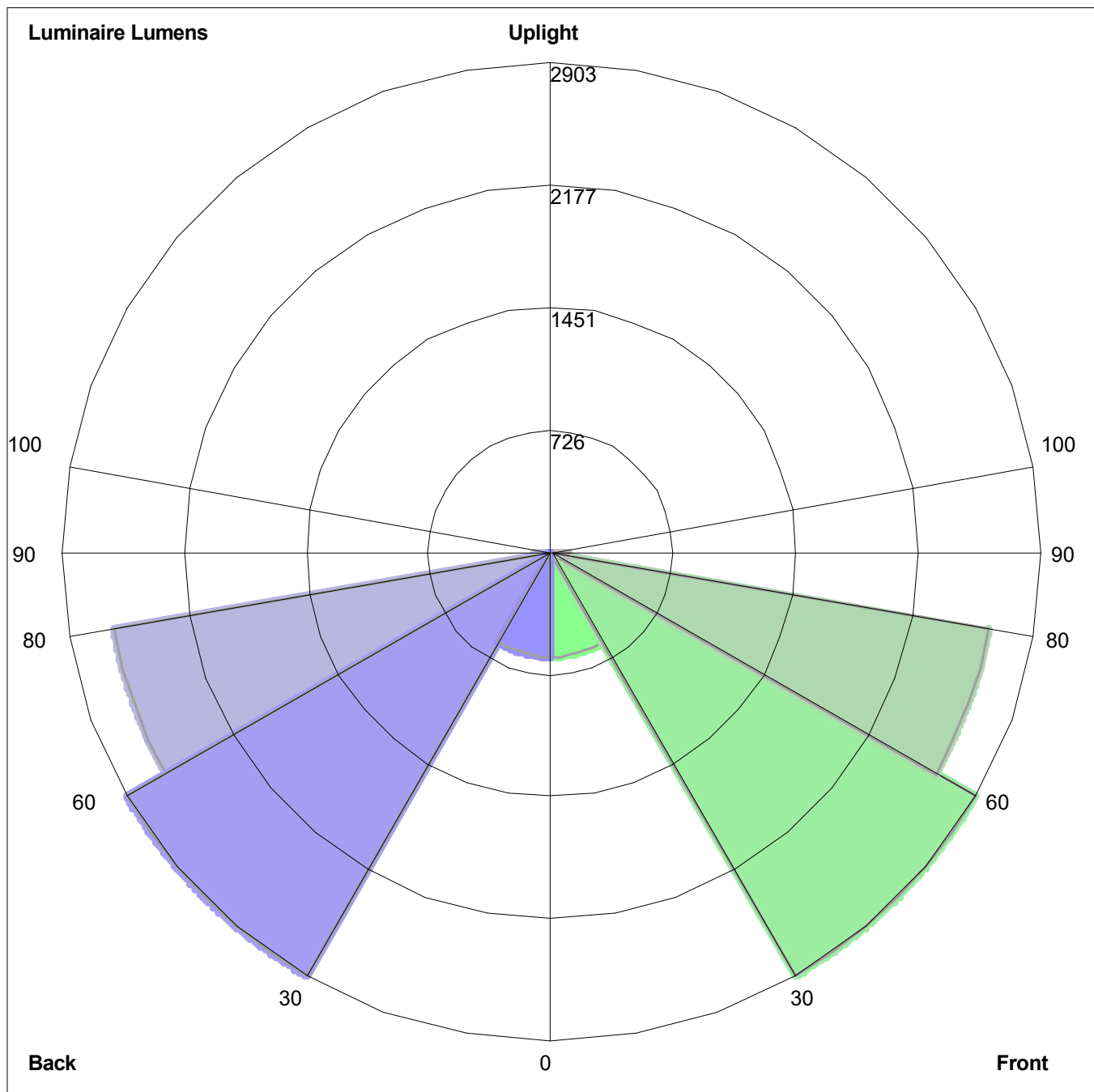


Maximum Candela = 6100 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=619.6, Medium=2902.8, High=2632.9, Very High=103.3  
Back: Low=619.6, Medium=2902.8, High=2632.9, Very High=103.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2