



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-15L-5Q-30K8.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12892

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 10/22/2021

[TESTDATE] 08/18/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] HPG-15L-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	14495
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	126
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7064
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	7064
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	1179 (8.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



IES ROAD REPORT
PHOTOMETRIC FILENAME : HPG-15L-5Q-30K8.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	717.6	N.A.	5.0
FM - Front-Medium (30-60)	3361.4	N.A.	23.2
FH - Front-High (60-80)	3048.9	N.A.	21.0
FVH - Front-Very High (80-90)	119.7	N.A.	0.8
BL - Back-Low (0-30)	717.6	N.A.	5.0
BM - Back-Medium (30-60)	3361.4	N.A.	23.2
BH - Back-High (60-80)	3048.9	N.A.	21.0
BVH - Back-Very High (80-90)	119.7	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	14495.2	N.A.	100.0
BUG Rating	B4-U0-G2		

IES ROAD REPORT
PHOTOMETRIC FILENAME : HPG-15L-5Q-30K8.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	1658	1658	1658	1658	1658	1658	1658	1658	1658	1658
2.5	1662	1661	1659	1657	1661	1662	1662	1660	1665	1664
5.0	1656	1654	1656	1654	1652	1649	1649	1649	1654	1654
7.5	1644	1643	1644	1636	1639	1645	1641	1636	1641	1639
10.0	1633	1632	1631	1618	1614	1606	1614	1621	1629	1630
12.5	1624	1625	1621	1610	1597	1593	1599	1613	1623	1628
15.0	1626	1627	1617	1598	1593	1598	1596	1604	1624	1631
17.5	1646	1644	1624	1598	1600	1605	1603	1606	1635	1652
20.0	1685	1683	1648	1617	1623	1623	1628	1630	1661	1687
22.5	1738	1738	1691	1664	1665	1666	1672	1675	1698	1739
25.0	1803	1800	1745	1729	1732	1738	1739	1740	1754	1800
27.5	1869	1864	1811	1806	1822	1828	1828	1818	1816	1862
30.0	1944	1938	1885	1895	1915	1916	1916	1899	1888	1939
32.5	2031	2022	1970	2005	2013	2012	2012	1999	1967	2015
35.0	2111	2101	2057	2108	2125	2117	2123	2095	2047	2093
37.5	2192	2182	2135	2202	2241	2238	2236	2184	2118	2182
40.0	2275	2267	2209	2289	2362	2367	2354	2267	2189	2270
42.5	2410	2380	2288	2379	2480	2494	2479	2364	2279	2397
45.0	2660	2622	2428	2480	2608	2623	2623	2487	2429	2666
47.5	2792	2758	2673	2615	2764	2778	2802	2638	2720	2832
50.0	3008	2972	2827	2880	2972	3039	3026	2938	2906	3069
52.5	3312	3281	3119	3176	3324	3434	3393	3269	3199	3374
55.0	3803	3769	3556	3525	3765	3965	3818	3585	3609	3808
57.5	4319	4291	4092	4026	4394	4588	4389	4015	4068	4268
60.0	4634	4602	4477	4510	5111	5395	5016	4448	4445	4584
62.5	4512	4415	4389	4668	5673	6351	5540	4615	4366	4397
65.0	3893	3869	3933	4391	5828	7064	5738	4353	3887	3830
67.5	3035	3114	3294	3872	5584	6731	5479	3773	3210	3036
70.0	1900	2062	2289	2901	4726	5652	4556	2727	2206	1988
72.5	966	1137	1364	1856	3430	4316	3262	1736	1299	1098
75.0	533	621	798	1143	2102	2917	2083	1100	788	609
77.5	364	394	468	763	1427	2106	1462	756	469	392
80.0	262	268	292	451	978	1179	1029	460	300	269
82.5	176	174	193	331	459	526	496	331	199	174
85.0	96	103	130	224	305	158	321	211	133	104
87.5	54	61	75	95	134	43	122	81	75	60
90.0	0	0	0	0	0	0	0	0	0	0

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

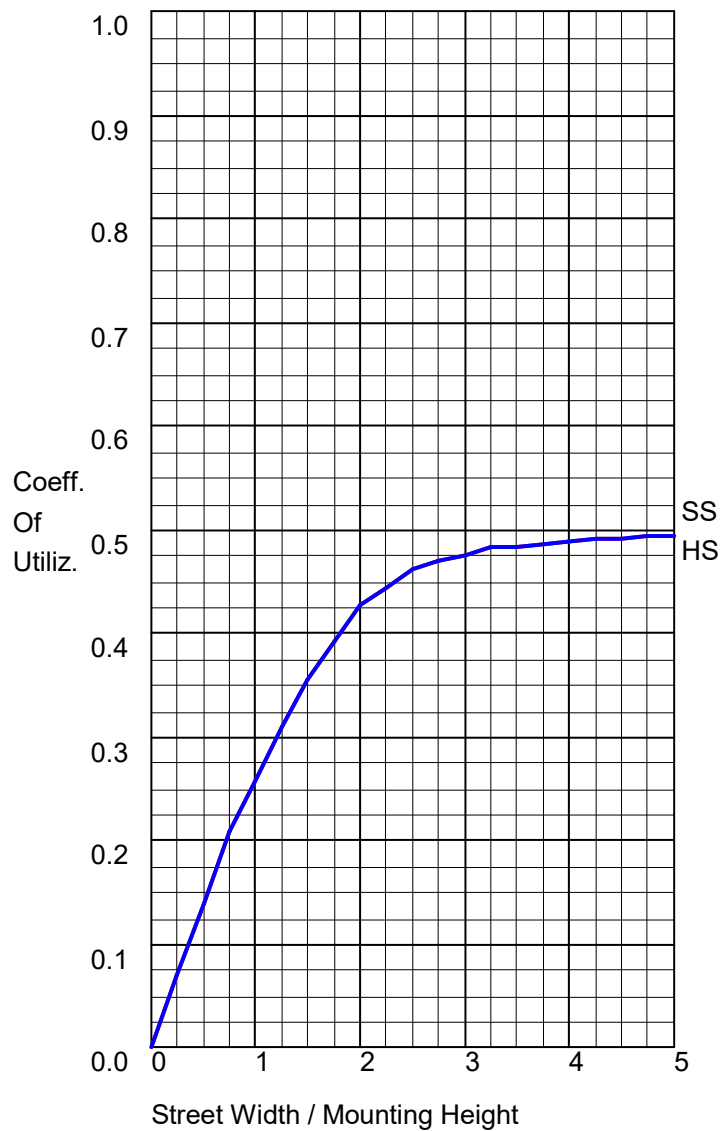
	90
0.0	1658
2.5	1663
5.0	1652
7.5	1639
10.0	1629
12.5	1626
15.0	1630
17.5	1651
20.0	1685
22.5	1735
25.0	1797
27.5	1864

IES ROAD REPORT
PHOTOMETRIC FILENAME : HPG-15L-5Q-30K8.IES

CANDELA TABULATION - (Cont.)

30.0	1943
32.5	2026
35.0	2104
37.5	2190
40.0	2281
42.5	2417
45.0	2697
47.5	2852
50.0	3082
52.5	3369
55.0	3823
57.5	4275
60.0	4594
62.5	4422
65.0	3819
67.5	2978
70.0	1875
72.5	974
75.0	530
77.5	354
80.0	259
82.5	174
85.0	97
87.5	55
90.0	0

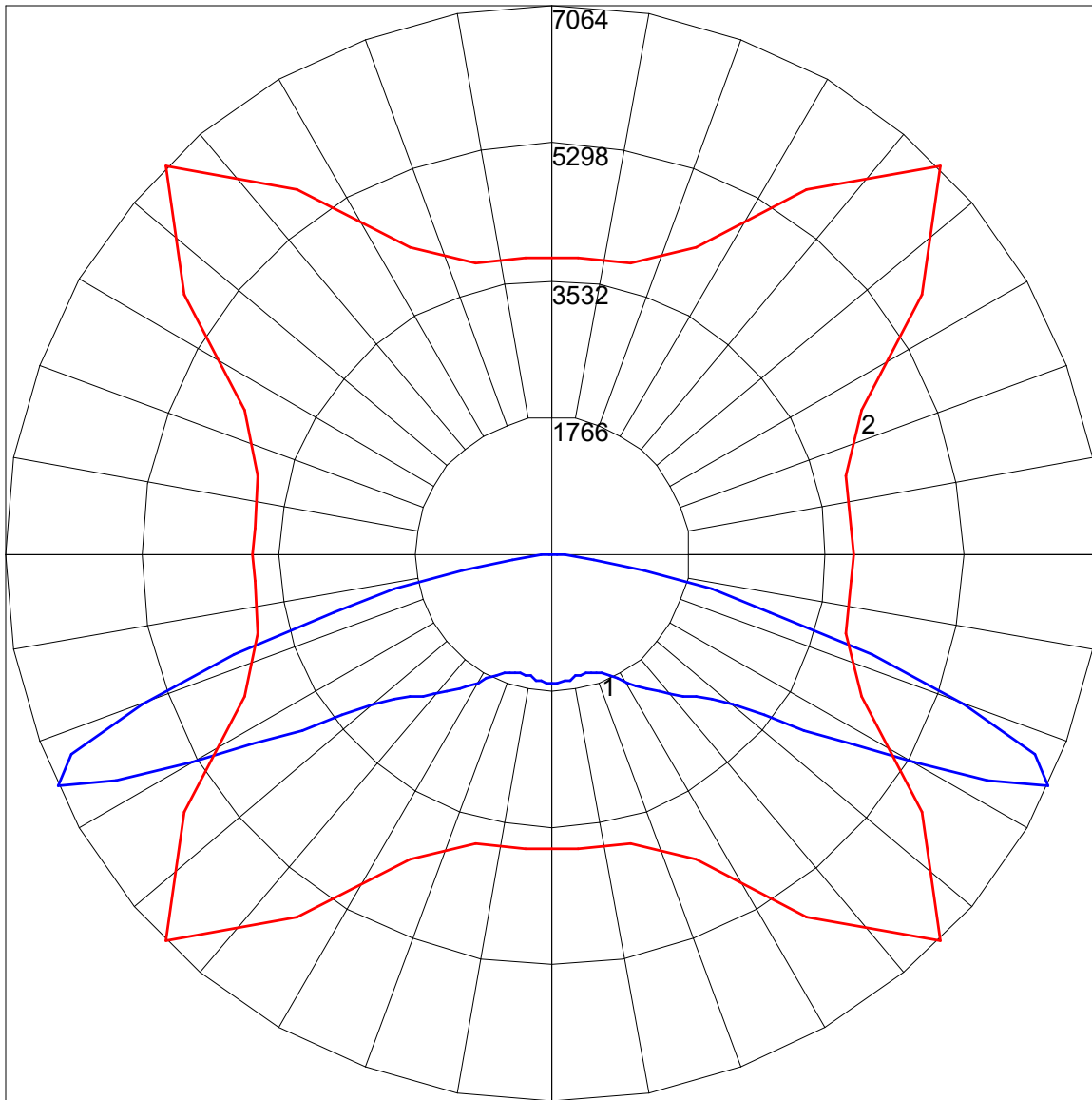
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

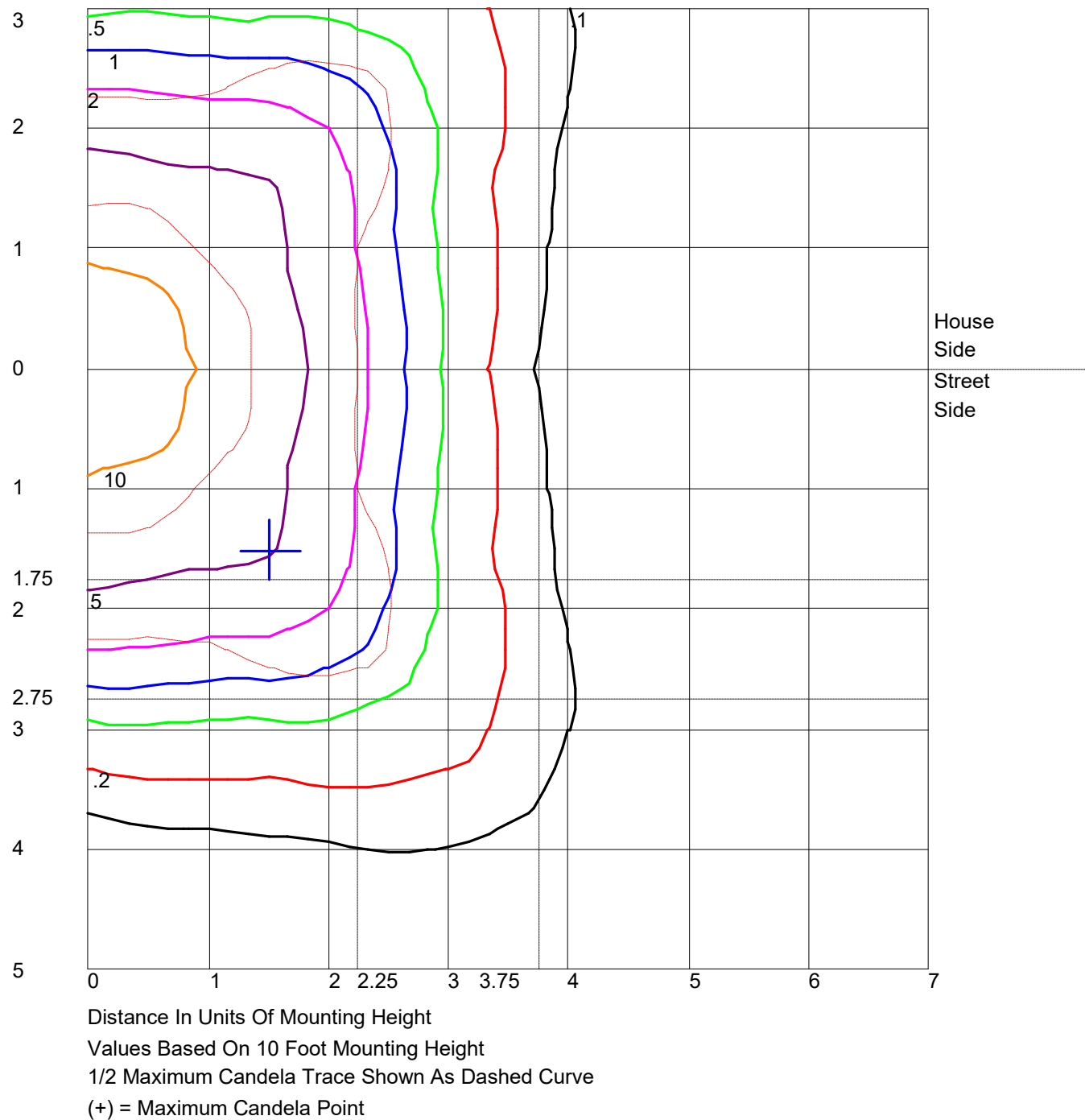
	Lumens	Percent Of Luminaire
Downward Street Side	7247.6	50.0
Downward House Side	7247.6	50.0
Downward Total	14495.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	14495.2	100.0

POLAR GRAPH

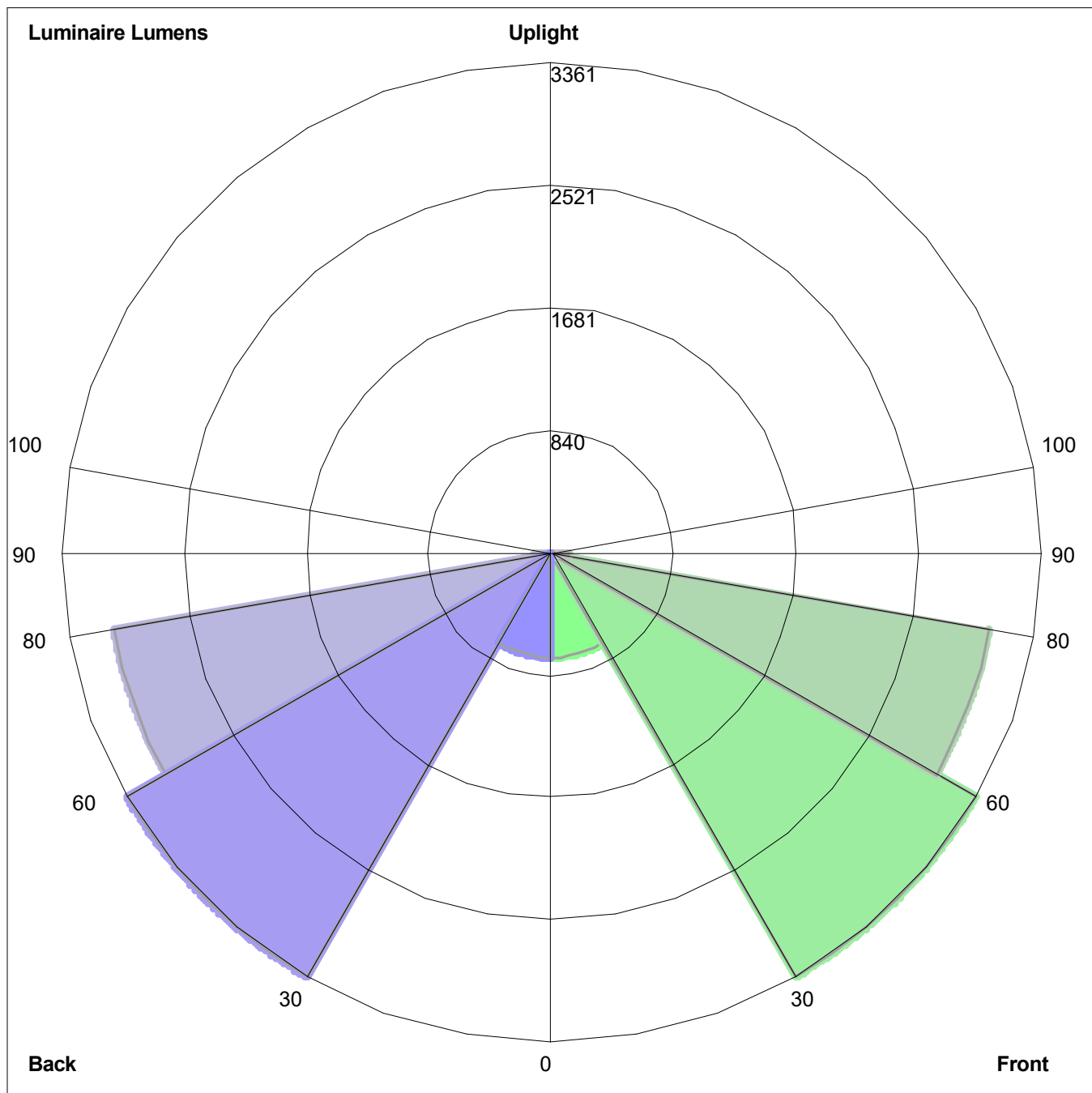


Maximum Candela = 7064 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=717.6, Medium=3361.4, High=3048.9, Very High=119.7
Back: Low=717.6, Medium=3361.4, High=3048.9, Very High=119.7
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2