



IES ROAD REPORT

PHOTOMETRIC FILENAME : HPG-15L-5Q-40K8.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
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMEN CATEGORY] HPG-15L-5Q-40K8
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCE TYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLOR TEMP] 4000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15089
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	126
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7353
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	7353
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	1227 (8.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	747.0	N.A.	5.0
FM - Front-Medium (30-60)	3499.2	N.A.	23.2
FH - Front-High (60-80)	3173.9	N.A.	21.0
FVH - Front-Very High (80-90)	124.6	N.A.	0.8
BL - Back-Low (0-30)	747.0	N.A.	5.0
BM - Back-Medium (30-60)	3499.2	N.A.	23.2
BH - Back-High (60-80)	3173.9	N.A.	21.0
BVH - Back-Very High (80-90)	124.6	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	15089.4	N.A.	100.0
BUG Rating	B4-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	1726	1726	1726	1726	1726	1726	1726	1726	1726	1726
2.5	1730	1729	1727	1725	1729	1730	1730	1728	1733	1732
5.0	1724	1722	1724	1722	1720	1717	1717	1717	1722	1722
7.5	1711	1710	1711	1703	1706	1712	1708	1703	1708	1706
10.0	1700	1699	1698	1684	1680	1672	1680	1687	1696	1697
12.5	1691	1692	1687	1676	1662	1658	1665	1679	1690	1695
15.0	1693	1694	1683	1664	1658	1664	1661	1670	1691	1698
17.5	1713	1711	1691	1663	1666	1671	1669	1672	1702	1720
20.0	1754	1752	1716	1683	1689	1690	1695	1697	1729	1756
22.5	1809	1809	1760	1732	1733	1734	1741	1744	1768	1810
25.0	1877	1874	1816	1800	1803	1809	1810	1811	1826	1874
27.5	1946	1940	1885	1880	1897	1903	1903	1892	1890	1938
30.0	2024	2017	1962	1973	1993	1995	1995	1977	1965	2018
32.5	2114	2105	2051	2087	2096	2094	2094	2081	2048	2098
35.0	2197	2187	2141	2194	2212	2204	2210	2181	2131	2179
37.5	2282	2271	2222	2292	2333	2330	2328	2273	2205	2271
40.0	2368	2360	2300	2383	2459	2464	2450	2360	2279	2363
42.5	2509	2478	2382	2477	2582	2596	2581	2461	2372	2495
45.0	2769	2729	2528	2582	2715	2731	2731	2589	2529	2775
47.5	2906	2871	2783	2722	2877	2892	2917	2746	2831	2948
50.0	3131	3094	2943	2998	3094	3164	3150	3058	3025	3195
52.5	3448	3415	3247	3306	3460	3575	3532	3403	3330	3512
55.0	3959	3923	3702	3669	3919	4128	3974	3732	3757	3964
57.5	4496	4467	4260	4191	4574	4776	4569	4180	4235	4443
60.0	4824	4791	4661	4695	5320	5616	5222	4630	4627	4772
62.5	4697	4596	4569	4859	5905	6611	5767	4804	4545	4577
65.0	4053	4028	4094	4571	6067	7353	5973	4531	4046	3987
67.5	3159	3242	3429	4031	5813	7007	5704	3928	3342	3160
70.0	1978	2147	2383	3020	4920	5884	4743	2839	2296	2069
72.5	1006	1184	1420	1932	3571	4493	3396	1807	1352	1143
75.0	555	646	831	1190	2188	3037	2168	1145	820	634
77.5	379	410	487	794	1485	2192	1522	787	488	408
80.0	273	279	304	470	1018	1227	1071	479	312	280
82.5	183	181	201	345	478	548	516	345	207	181
85.0	100	107	135	233	317	164	334	220	138	108
87.5	56	63	78	99	139	45	127	84	78	62
90.0	0	0	0	0	0	0	0	0	0	0

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

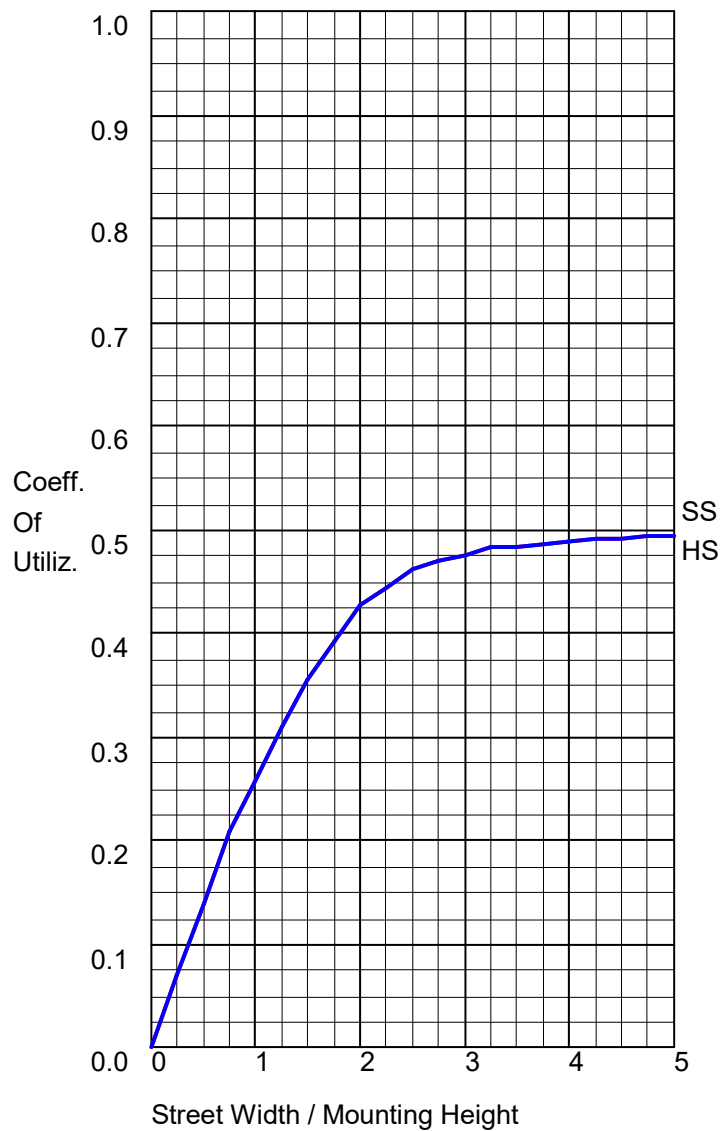
	90
0.0	1726
2.5	1731
5.0	1720
7.5	1706
10.0	1696
12.5	1693
15.0	1697
17.5	1719
20.0	1754
22.5	1806
25.0	1871
27.5	1940

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CANDELA TABULATION - (Cont.)

30.0	2023
32.5	2109
35.0	2190
37.5	2280
40.0	2374
42.5	2516
45.0	2808
47.5	2969
50.0	3208
52.5	3507
55.0	3980
57.5	4450
60.0	4782
62.5	4603
65.0	3976
67.5	3100
70.0	1952
72.5	1014
75.0	552
77.5	369
80.0	270
82.5	181
85.0	101
87.5	57
90.0	0

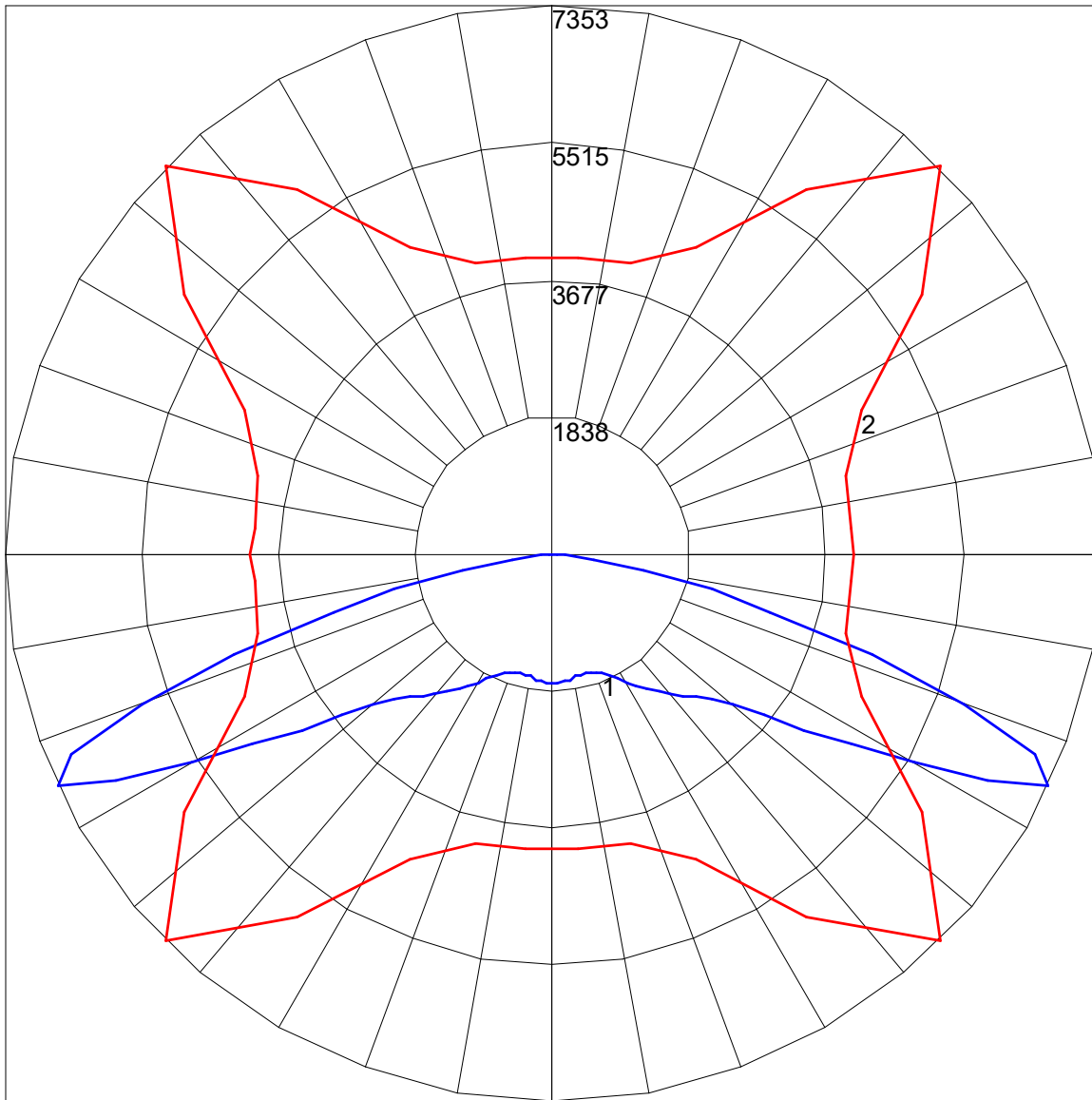
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

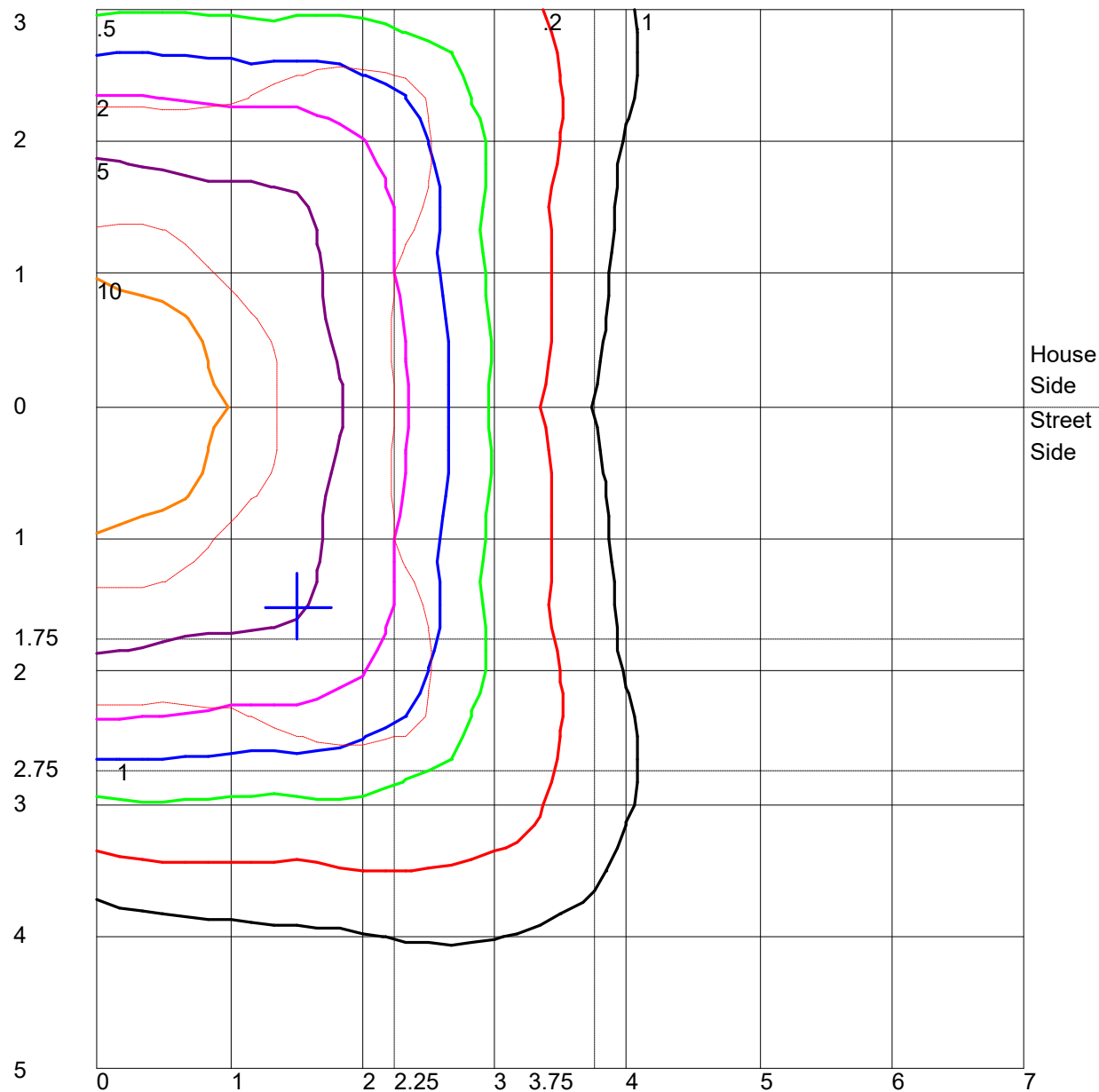
	Lumens	Percent Of Luminaire
Downward Street Side	7544.6	50.0
Downward House Side	7544.6	50.0
Downward Total	15089.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	15089.2	100.0

POLAR GRAPH



Maximum Candela = 7353 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



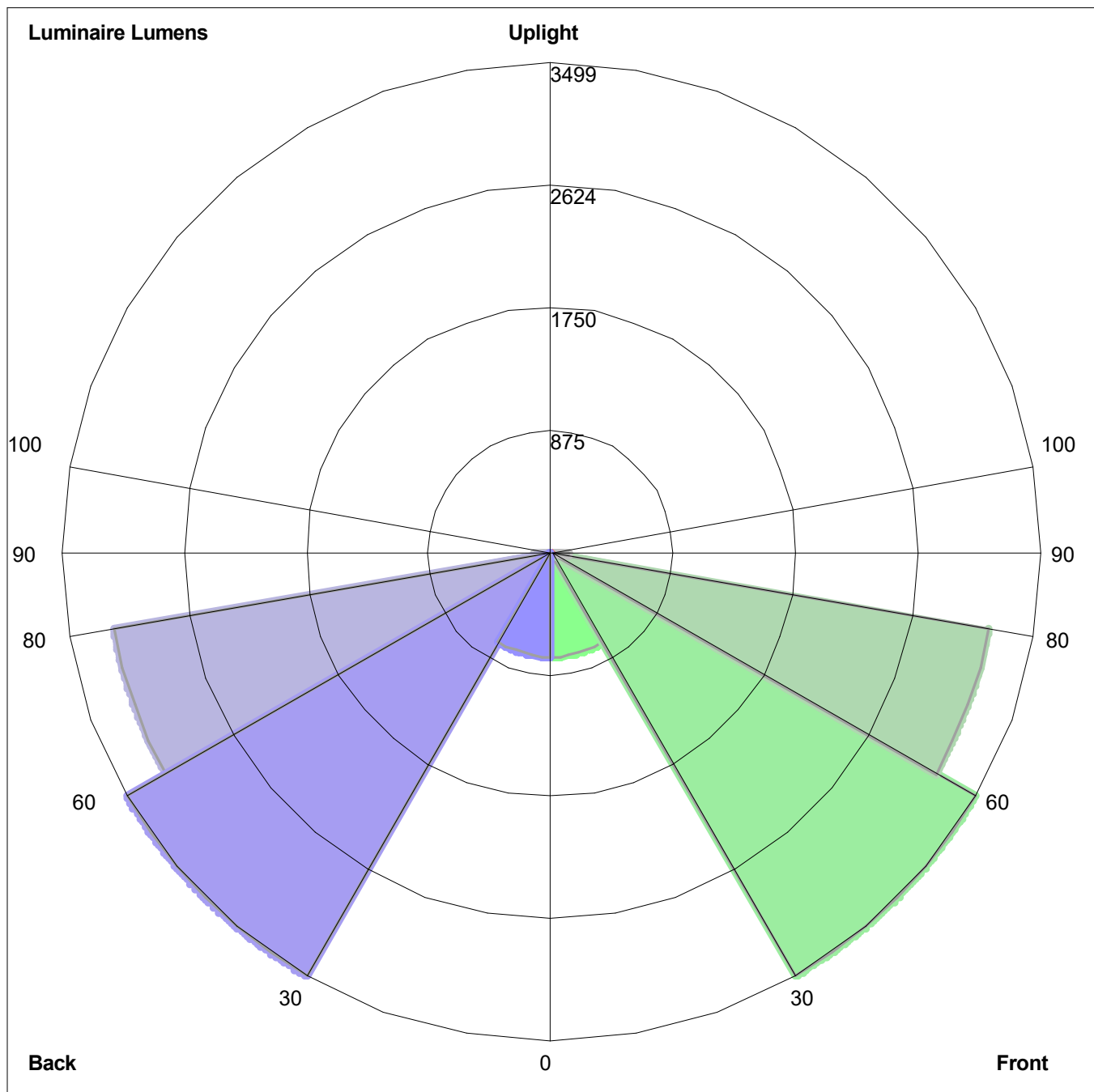
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=747.0, Medium=3499.2, High=3173.9, Very High=124.6
Back: Low=747.0, Medium=3499.2, High=3173.9, Very High=124.6
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2