



IES ROAD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12245
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 10/22/2021
[TEST DATE] 10/02/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] HPG-15L-5C-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 | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 15909 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 126 |
| Total Luminaire Watts | 126 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 5246 |
| Maximum Candela Angle | 0H 5V |
| Maximum Candela (<90 Degrees Vertical) | 5246 |
| Maximum Candela Angle (<90 Degrees Vertical) | 0H 5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 268 (1.7% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |



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

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 2133.4 | N.A. | 13.4 |
| FM - Front-Medium (30-60) | 4428.4 | N.A. | 27.8 |
| FH - Front-High (60-80) | 1352.7 | N.A. | 8.5 |
| FVH - Front-Very High (80-90) | 40.1 | N.A. | 0.3 |
| BL - Back-Low (0-30) | 2133.4 | N.A. | 13.4 |
| BM - Back-Medium (30-60) | 4428.4 | N.A. | 27.8 |
| BH - Back-High (60-80) | 1352.7 | N.A. | 8.5 |
| BVH - Back-Very High (80-90) | 40.1 | N.A. | 0.3 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 15909.2 | N.A. | 100.0 |
| BUG Rating | B3-U0-G1 | | |

IES ROAD REPORT
PHOTOMETRIC FILENAME : HPG-15L-5C-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 | 5223 | 5223 | 5223 | 5223 | 5223 | 5223 | 5223 | 5223 | 5223 | 5223 |
| 2.5 | 5245 | 5240 | 5237 | 5232 | 5230 | 5226 | 5228 | 5229 | 5235 | 5236 |
| 5.0 | 5246 | 5242 | 5238 | 5233 | 5232 | 5226 | 5229 | 5230 | 5237 | 5237 |
| 7.5 | 5238 | 5237 | 5233 | 5228 | 5226 | 5220 | 5221 | 5223 | 5232 | 5232 |
| 10.0 | 5227 | 5224 | 5220 | 5214 | 5213 | 5209 | 5209 | 5211 | 5219 | 5219 |
| 12.5 | 5209 | 5207 | 5203 | 5197 | 5194 | 5190 | 5192 | 5193 | 5201 | 5202 |
| 15.0 | 5185 | 5182 | 5180 | 5174 | 5171 | 5167 | 5167 | 5170 | 5177 | 5179 |
| 17.5 | 5155 | 5152 | 5147 | 5143 | 5141 | 5137 | 5137 | 5139 | 5145 | 5148 |
| 20.0 | 5116 | 5113 | 5109 | 5104 | 5103 | 5100 | 5099 | 5100 | 5106 | 5108 |
| 22.5 | 5066 | 5063 | 5061 | 5053 | 5053 | 5052 | 5051 | 5050 | 5058 | 5060 |
| 25.0 | 5007 | 5003 | 4998 | 4990 | 4993 | 4992 | 4992 | 4990 | 4996 | 4996 |
| 27.5 | 4934 | 4930 | 4923 | 4918 | 4920 | 4921 | 4921 | 4918 | 4924 | 4922 |
| 30.0 | 4848 | 4842 | 4837 | 4832 | 4836 | 4837 | 4838 | 4834 | 4836 | 4837 |
| 32.5 | 4747 | 4742 | 4736 | 4733 | 4738 | 4736 | 4740 | 4736 | 4737 | 4738 |
| 35.0 | 4629 | 4626 | 4622 | 4622 | 4625 | 4624 | 4624 | 4624 | 4624 | 4624 |
| 37.5 | 4501 | 4497 | 4492 | 4493 | 4497 | 4496 | 4493 | 4494 | 4491 | 4494 |
| 40.0 | 4352 | 4354 | 4350 | 4352 | 4355 | 4355 | 4347 | 4350 | 4349 | 4353 |
| 42.5 | 4199 | 4196 | 4196 | 4199 | 4201 | 4197 | 4188 | 4188 | 4190 | 4199 |
| 45.0 | 4033 | 4026 | 4030 | 4033 | 4035 | 4027 | 4022 | 4023 | 4023 | 4033 |
| 47.5 | 3854 | 3847 | 3843 | 3855 | 3845 | 3847 | 3842 | 3844 | 3839 | 3845 |
| 50.0 | 3661 | 3654 | 3650 | 3653 | 3650 | 3651 | 3648 | 3652 | 3646 | 3652 |
| 52.5 | 3452 | 3446 | 3443 | 3434 | 3431 | 3435 | 3436 | 3444 | 3439 | 3437 |
| 55.0 | 3226 | 3222 | 3213 | 3202 | 3197 | 3202 | 3208 | 3213 | 3216 | 3208 |
| 57.5 | 2975 | 2977 | 2963 | 2962 | 2961 | 2961 | 2965 | 2974 | 2968 | 2967 |
| 60.0 | 2702 | 2709 | 2708 | 2708 | 2703 | 2701 | 2708 | 2715 | 2708 | 2706 |
| 62.5 | 2416 | 2430 | 2438 | 2430 | 2428 | 2425 | 2421 | 2424 | 2437 | 2428 |
| 65.0 | 1936 | 1955 | 2052 | 2138 | 2136 | 2117 | 2121 | 2123 | 2018 | 1953 |
| 67.5 | 1568 | 1565 | 1587 | 1665 | 1803 | 1809 | 1789 | 1639 | 1592 | 1578 |
| 70.0 | 1204 | 1204 | 1213 | 1273 | 1348 | 1476 | 1347 | 1277 | 1227 | 1212 |
| 72.5 | 809 | 813 | 864 | 938 | 977 | 977 | 986 | 938 | 887 | 844 |
| 75.0 | 592 | 588 | 594 | 589 | 598 | 586 | 630 | 618 | 600 | 585 |
| 77.5 | 384 | 388 | 380 | 366 | 315 | 284 | 325 | 403 | 393 | 399 |
| 80.0 | 254 | 262 | 254 | 209 | 142 | 126 | 153 | 224 | 262 | 268 |
| 82.5 | 146 | 148 | 141 | 99 | 77 | 71 | 75 | 103 | 148 | 155 |
| 85.0 | 67 | 67 | 60 | 45 | 44 | 43 | 43 | 46 | 61 | 73 |
| 87.5 | 23 | 23 | 23 | 23 | 22 | 22 | 22 | 24 | 24 | 26 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

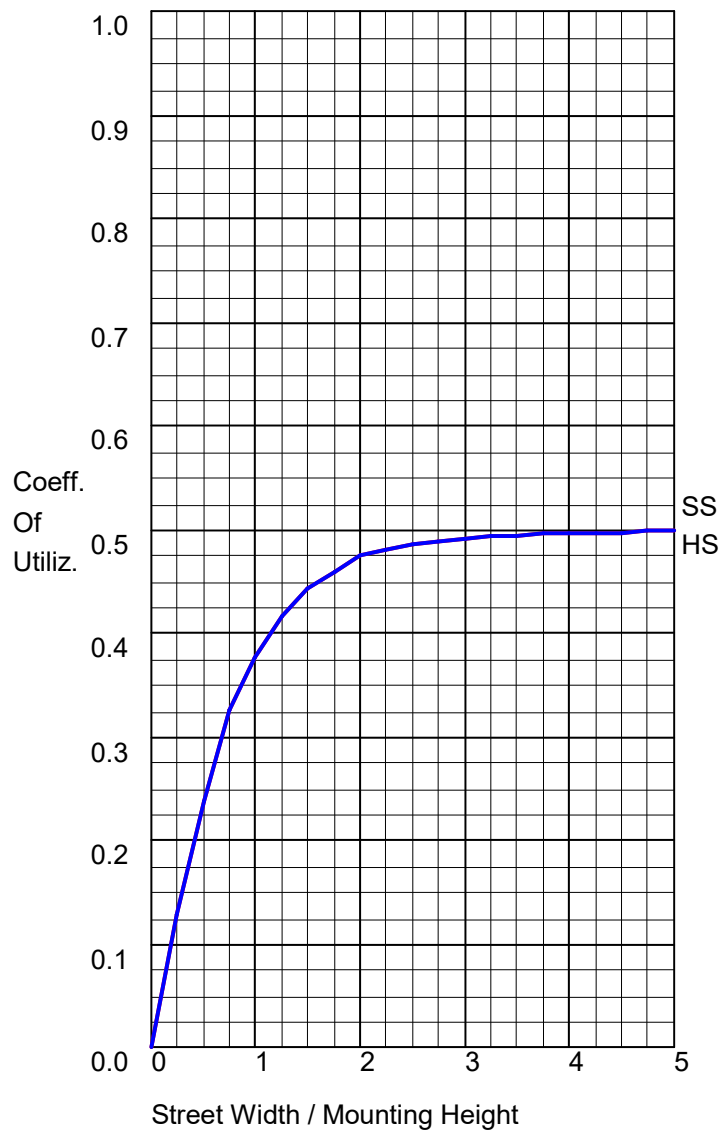
| | <u>90</u> |
|------|-----------|
| 0.0 | 5223 |
| 2.5 | 5239 |
| 5.0 | 5240 |
| 7.5 | 5234 |
| 10.0 | 5223 |
| 12.5 | 5207 |
| 15.0 | 5182 |
| 17.5 | 5150 |
| 20.0 | 5108 |
| 22.5 | 5060 |
| 25.0 | 4997 |
| 27.5 | 4925 |

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

CANDELA TABULATION - (Cont.)

| | |
|-------------|------|
| 30.0 | 4839 |
| 32.5 | 4738 |
| 35.0 | 4624 |
| 37.5 | 4497 |
| 40.0 | 4355 |
| 42.5 | 4201 |
| 45.0 | 4038 |
| 47.5 | 3849 |
| 50.0 | 3646 |
| 52.5 | 3435 |
| 55.0 | 3210 |
| 57.5 | 2970 |
| 60.0 | 2710 |
| 62.5 | 2427 |
| 65.0 | 1944 |
| 67.5 | 1570 |
| 70.0 | 1209 |
| 72.5 | 825 |
| 75.0 | 580 |
| 77.5 | 393 |
| 80.0 | 264 |
| 82.5 | 154 |
| 85.0 | 74 |
| 87.5 | 26 |
| 90.0 | 0 |

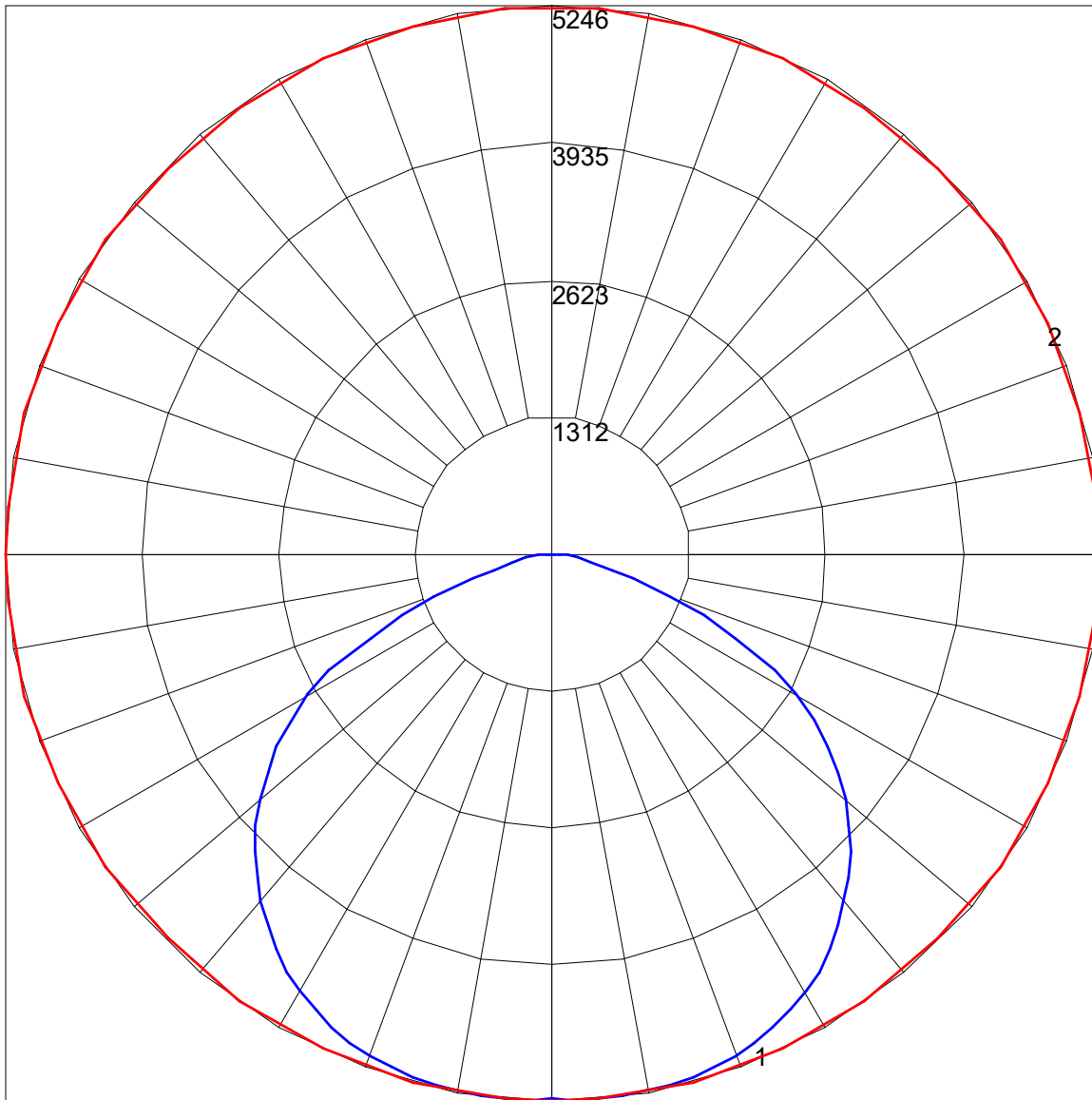
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

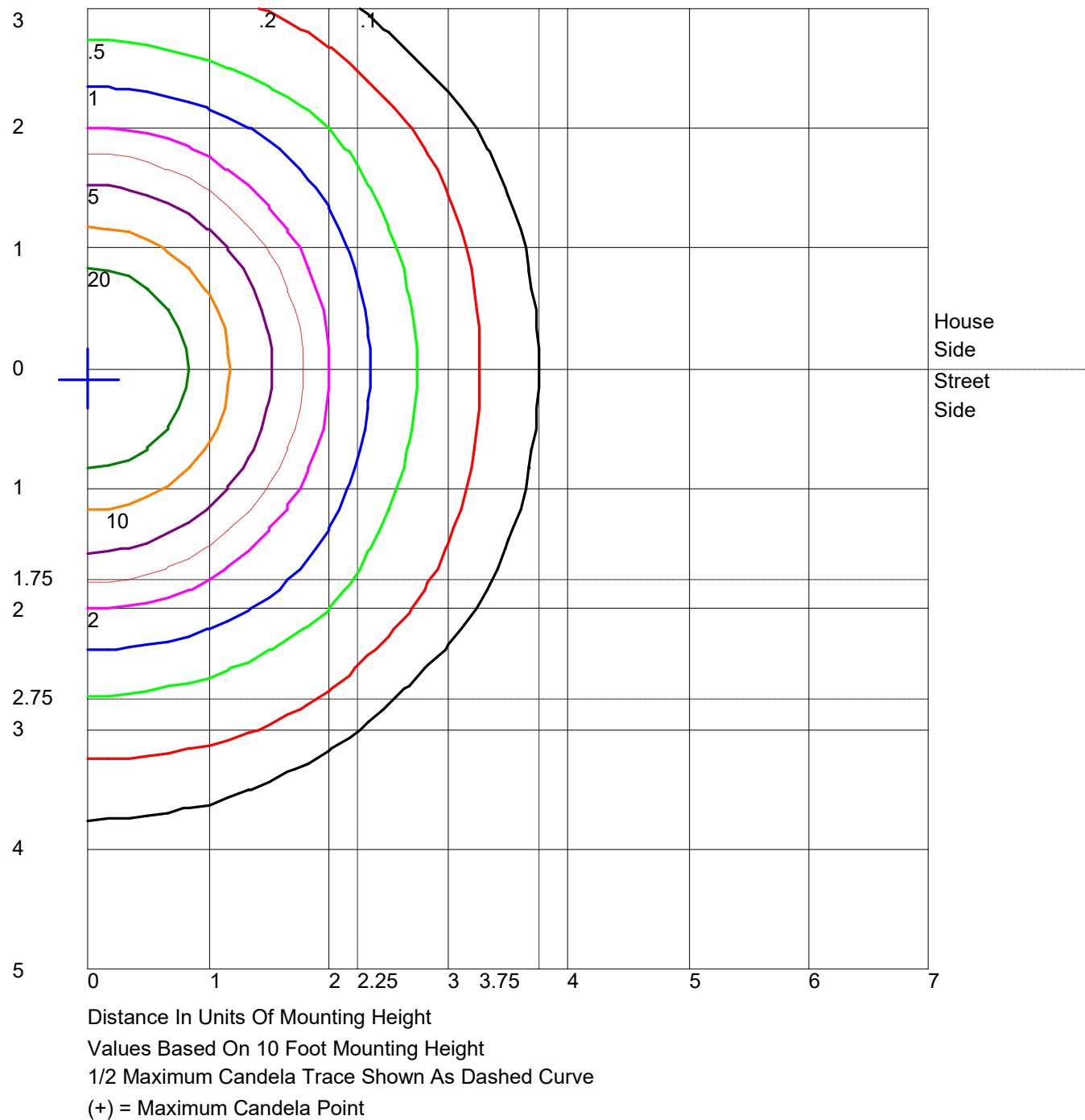
| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 7954.6 | 50.0 |
| Downward House Side | 7954.6 | 50.0 |
| Downward Total | 15909.2 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 15909.2 | 100.0 |

POLAR GRAPH

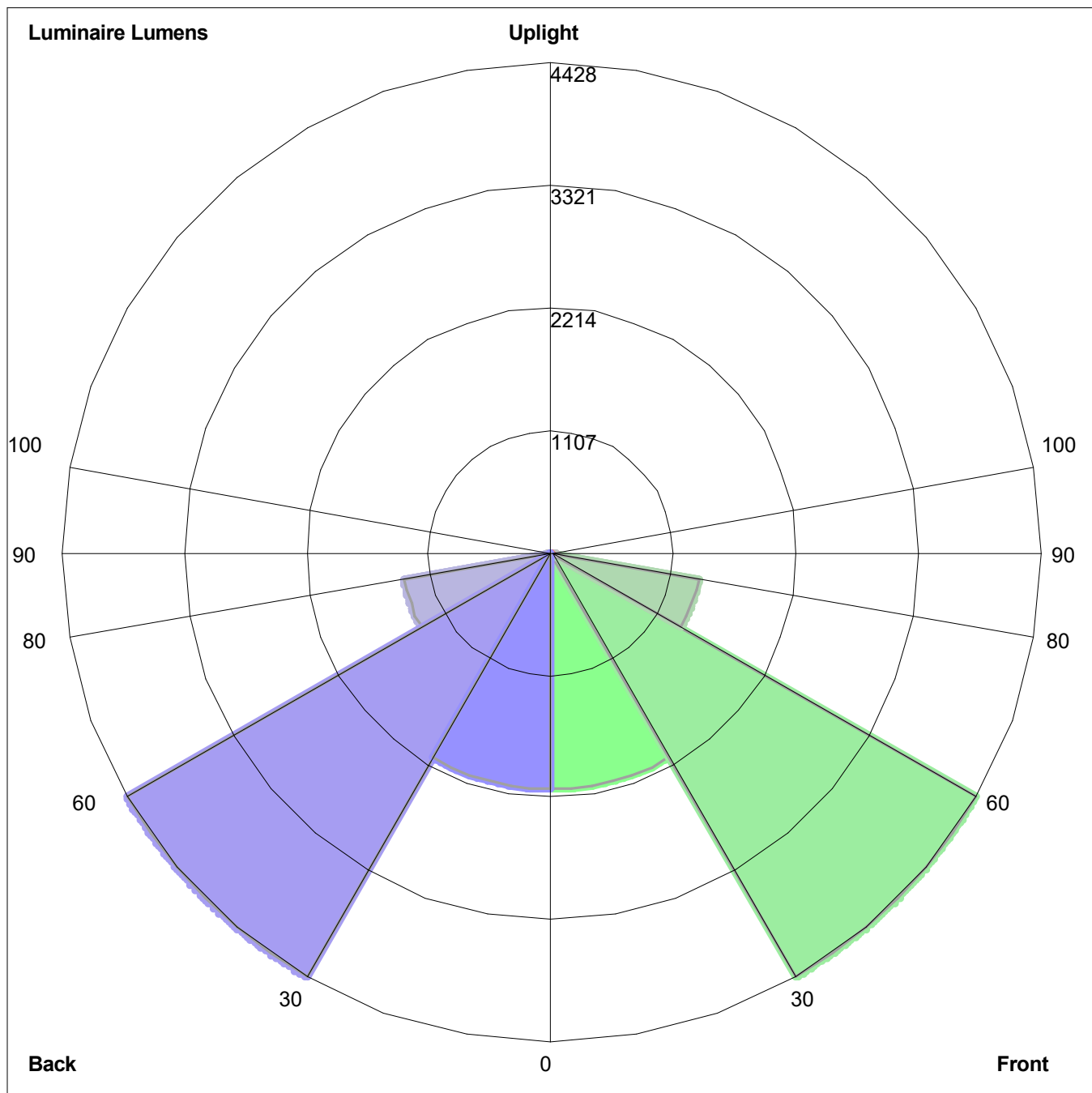


Maximum Candela = 5246 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2133.4, Medium=4428.4, High=1352.7, Very High=40.1
Back: Low=2133.4, Medium=4428.4, High=1352.7, Very High=40.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1