



IES ROAD REPORT

PHOTOMETRIC FILENAME : XSPS-S-LED-SS-NW-DFL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12743

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 05/10/2021

[TEST DATE] 04/27/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] XSPS-S-LED-SS-NW-DFL

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[SEARCH_COLORTEMP] 4000

CHARACTERISTICS

| | |
|---|-----------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4022 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 129 |
| Total Luminaire Watts | 31.1 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 1603 |
| Maximum Candela Angle | 90H 2.5V |
| Maximum Candela (<90 Degrees Vertical) | 1603 |
| Maximum Candela Angle (<90 Degrees Vertical) | 90H 2.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 132 (3.3% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

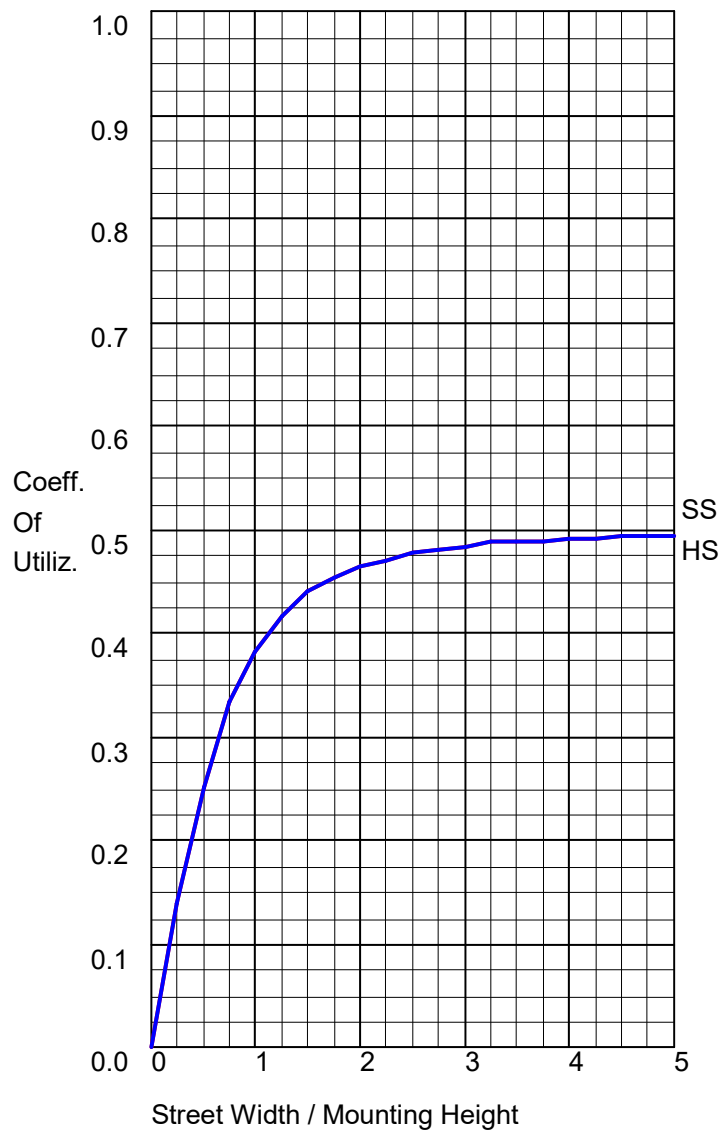
| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 616.9 | N.A. | 15.3 |
| FM - Front-Medium (30-60) | 1029.5 | N.A. | 25.6 |
| FH - Front-High (60-80) | 330.8 | N.A. | 8.2 |
| FVH - Front-Very High (80-90) | 33.7 | N.A. | 0.8 |
| BL - Back-Low (0-30) | 616.9 | N.A. | 15.3 |
| BM - Back-Medium (30-60) | 1029.5 | N.A. | 25.6 |
| BH - Back-High (60-80) | 330.8 | N.A. | 8.2 |
| BVH - Back-Very High (80-90) | 33.7 | 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 | 4021.8 | N.A. | 100.0 |
| BUG Rating | B2-U0-G1 | | |

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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | |
|-----------------|-------------------|-------------|-------------|-------------|-------------|
| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
| 0.0 | 1599 | 1599 | 1599 | 1599 | 1599 |
| 2.5 | 1602 | 1602 | 1601 | 1602 | 1603 |
| 5.0 | 1600 | 1600 | 1599 | 1600 | 1601 |
| 7.5 | 1592 | 1593 | 1592 | 1593 | 1594 |
| 10.0 | 1581 | 1581 | 1580 | 1581 | 1582 |
| 12.5 | 1564 | 1565 | 1564 | 1564 | 1565 |
| 15.0 | 1543 | 1544 | 1543 | 1543 | 1543 |
| 17.5 | 1516 | 1517 | 1516 | 1516 | 1517 |
| 20.0 | 1484 | 1485 | 1484 | 1484 | 1485 |
| 22.5 | 1448 | 1448 | 1447 | 1448 | 1448 |
| 25.0 | 1405 | 1407 | 1406 | 1407 | 1407 |
| 27.5 | 1358 | 1358 | 1360 | 1361 | 1361 |
| 30.0 | 1306 | 1306 | 1309 | 1309 | 1310 |
| 32.5 | 1246 | 1248 | 1251 | 1251 | 1253 |
| 35.0 | 1184 | 1187 | 1191 | 1191 | 1192 |
| 37.5 | 1121 | 1123 | 1126 | 1128 | 1126 |
| 40.0 | 1055 | 1059 | 1062 | 1062 | 1061 |
| 42.5 | 990 | 993 | 997 | 996 | 993 |
| 45.0 | 925 | 928 | 932 | 929 | 928 |
| 47.5 | 860 | 863 | 866 | 864 | 863 |
| 50.0 | 794 | 796 | 799 | 799 | 798 |
| 52.5 | 727 | 733 | 736 | 735 | 733 |
| 55.0 | 665 | 667 | 673 | 672 | 671 |
| 57.5 | 601 | 604 | 610 | 610 | 609 |
| 60.0 | 541 | 544 | 550 | 549 | 549 |
| 62.5 | 483 | 486 | 490 | 489 | 487 |
| 65.0 | 427 | 430 | 433 | 432 | 428 |
| 67.5 | 372 | 375 | 378 | 374 | 372 |
| 70.0 | 320 | 322 | 323 | 321 | 319 |
| 72.5 | 266 | 270 | 271 | 270 | 268 |
| 75.0 | 218 | 219 | 222 | 221 | 219 |
| 77.5 | 173 | 172 | 175 | 174 | 174 |
| 80.0 | 129 | 131 | 132 | 132 | 132 |
| 82.5 | 91 | 93 | 94 | 93 | 92 |
| 85.0 | 58 | 59 | 60 | 59 | 57 |
| 87.5 | 30 | 31 | 31 | 29 | 28 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |

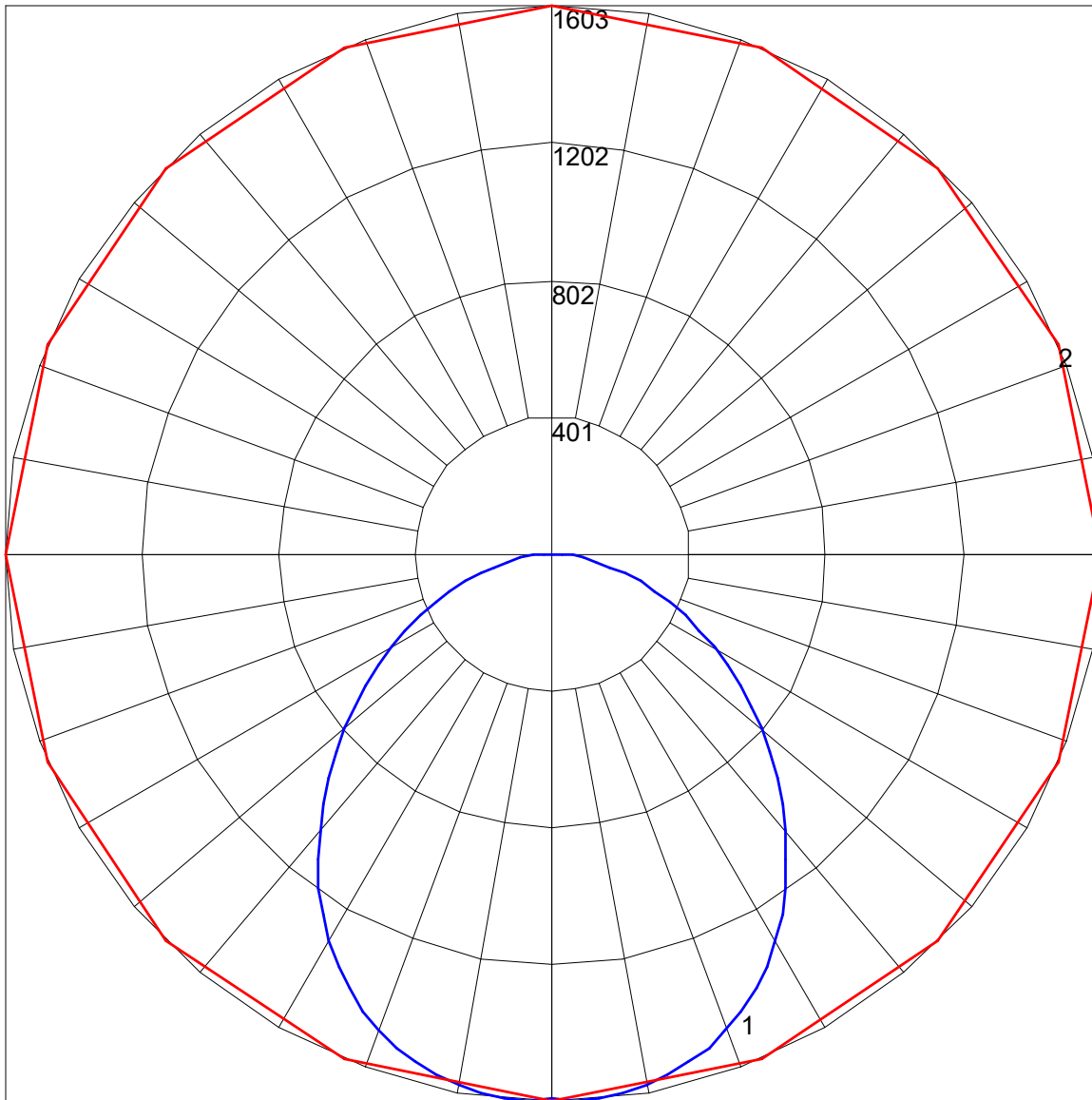
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

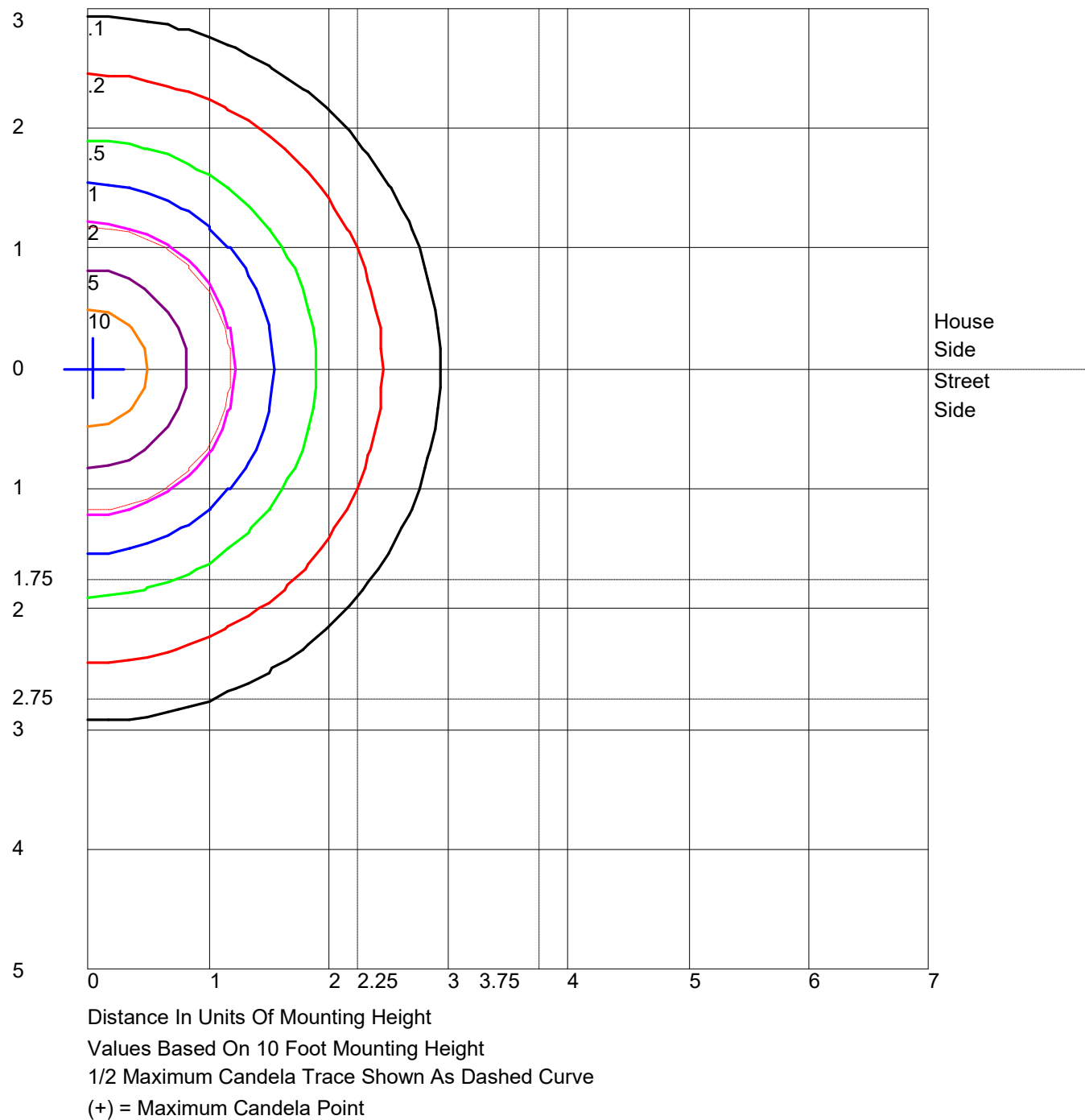
| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 2010.9 | 50.0 |
| Downward House Side | 2010.9 | 50.0 |
| Downward Total | 4021.8 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 4021.8 | 100.0 |

POLAR GRAPH

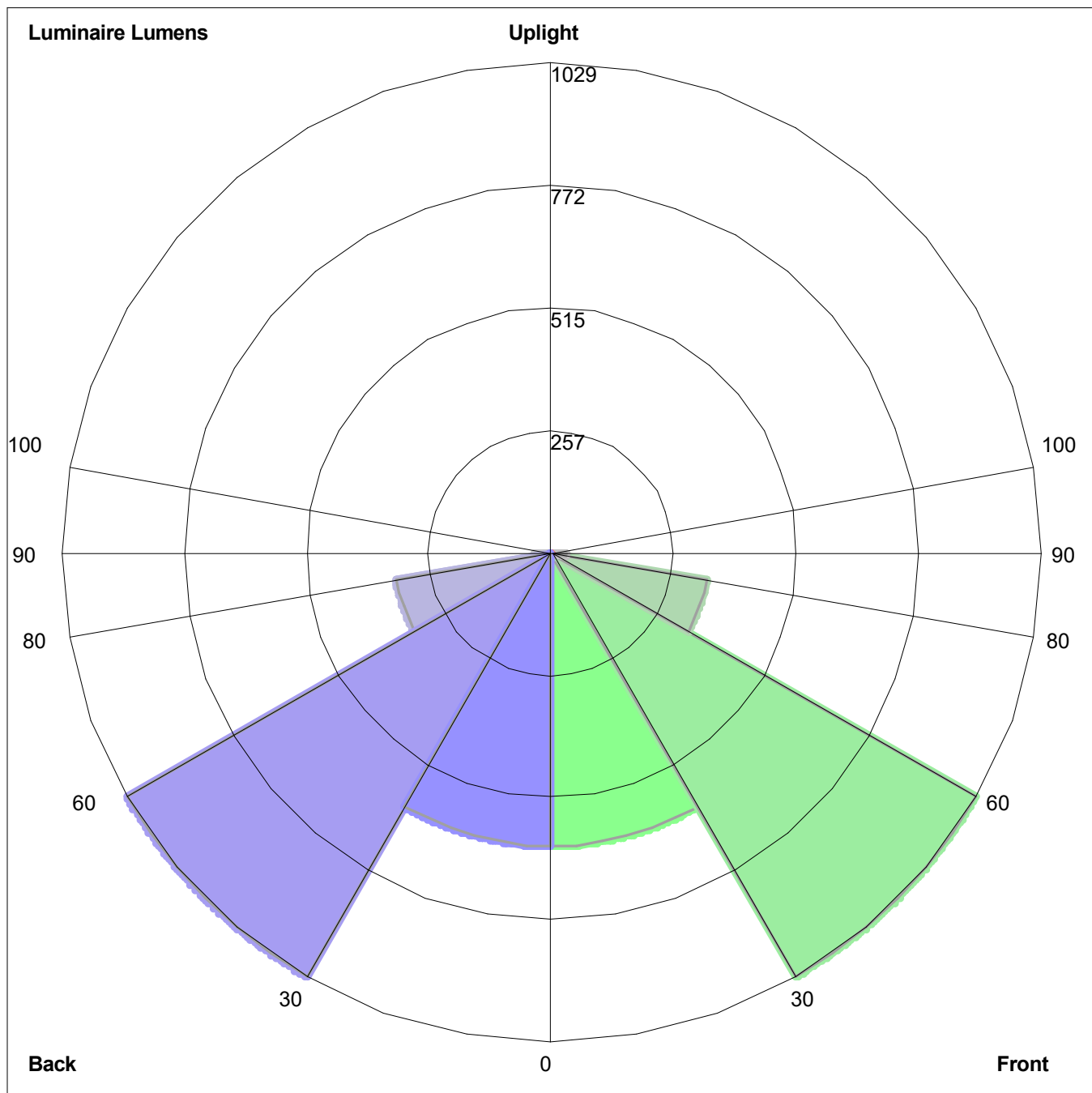


Maximum Candela = 1603 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=616.9, Medium=1029.5, High=330.8, Very High=33.7
Back: Low=616.9, Medium=1029.5, High=330.8, Very High=33.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1