

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P269782

Luminaire Tested: **GAW-AF-01-LED-U-RW-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAW-AF-01-LED-U-RW-7027-600
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3719.8 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

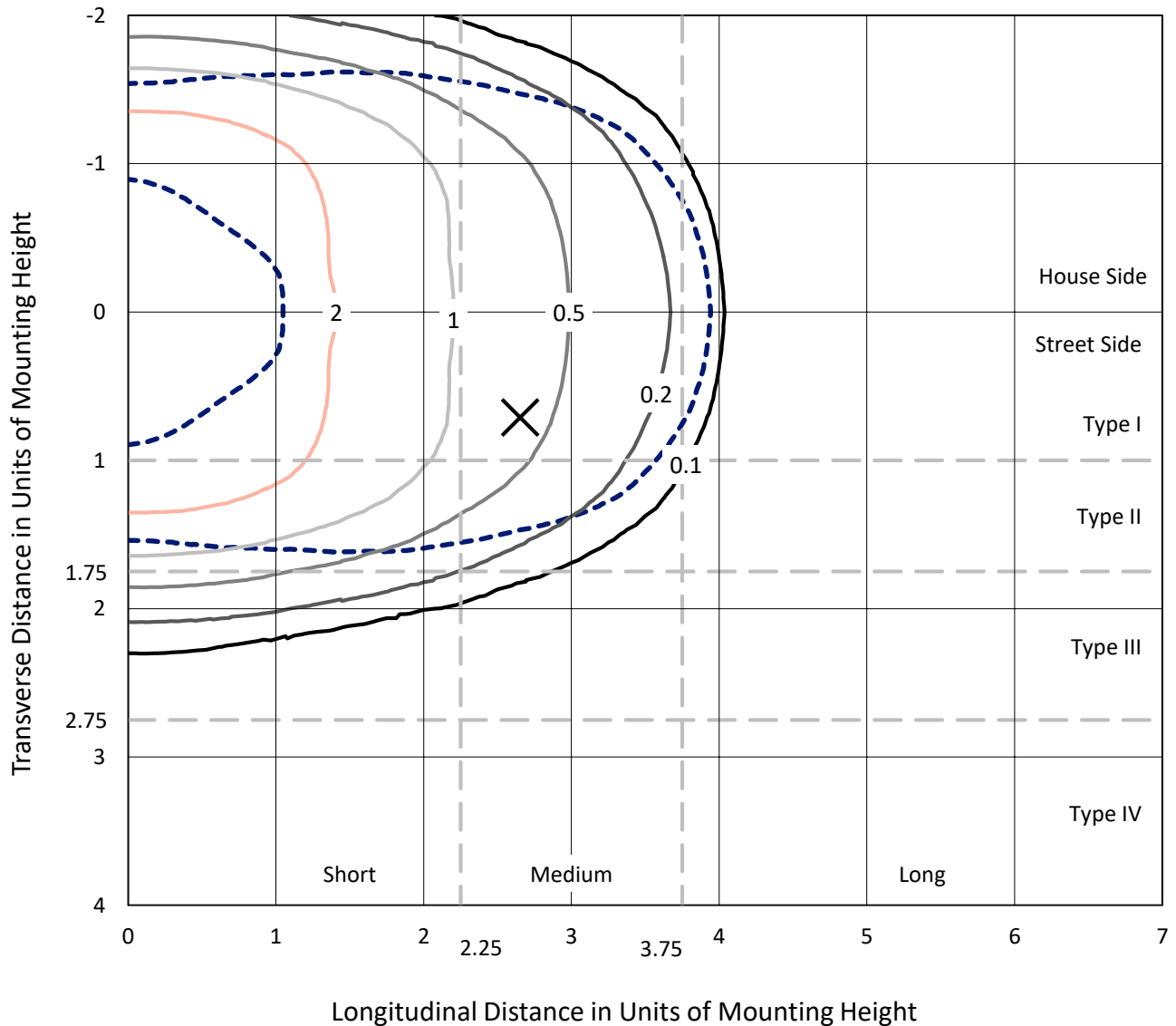


REPORT NUMBER: P269782

CATALOG NUMBER: GAW-AF-01-LED-U-RW-7027-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

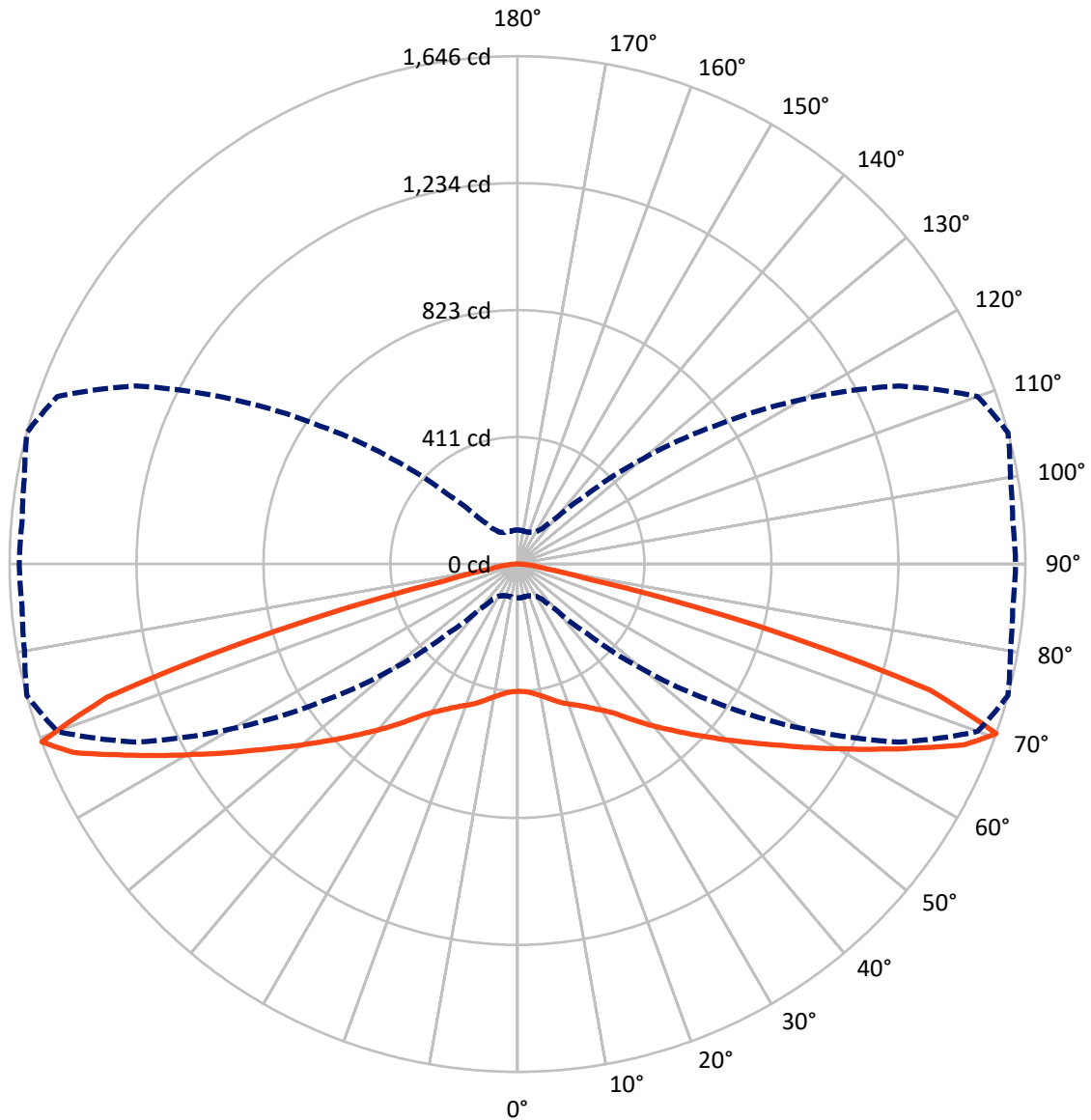


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Medium - Full Cutoff

REPORT NUMBER: P269782

CATALOG NUMBER: GAW-AF-01-LED-U-RW-7027-600

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P269782

CATALOG NUMBER: GAW-AF-01-LED-U-RW-7027-600

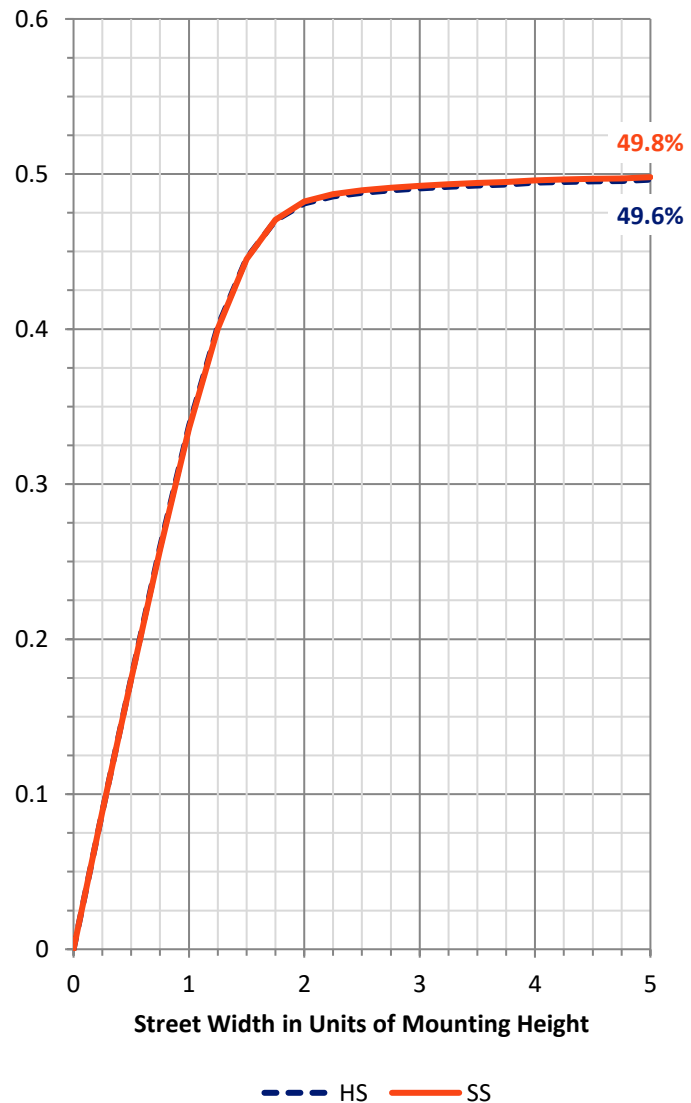
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1859.9 | 0.0 | 1859.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1859.9 | 0.0 | 1859.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3719.8 | 0.0 | 3719.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.6 | 1.1 |
| 10°-20° | 123.0 | 3.3 |
| 20°-30° | 231.4 | 6.2 |
| 30°-40° | 409.8 | 11.0 |
| 40°-50° | 685.3 | 18.4 |
| 50°-60° | 955.0 | 25.7 |
| 60°-70° | 885.6 | 23.8 |
| 70°-80° | 353.0 | 9.5 |
| 80°-90° | 37.1 | 1.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 3719.8 | 100.0 |
| 0°-180° | 3719.8 | 100.0 |



REPORT NUMBER: P269782

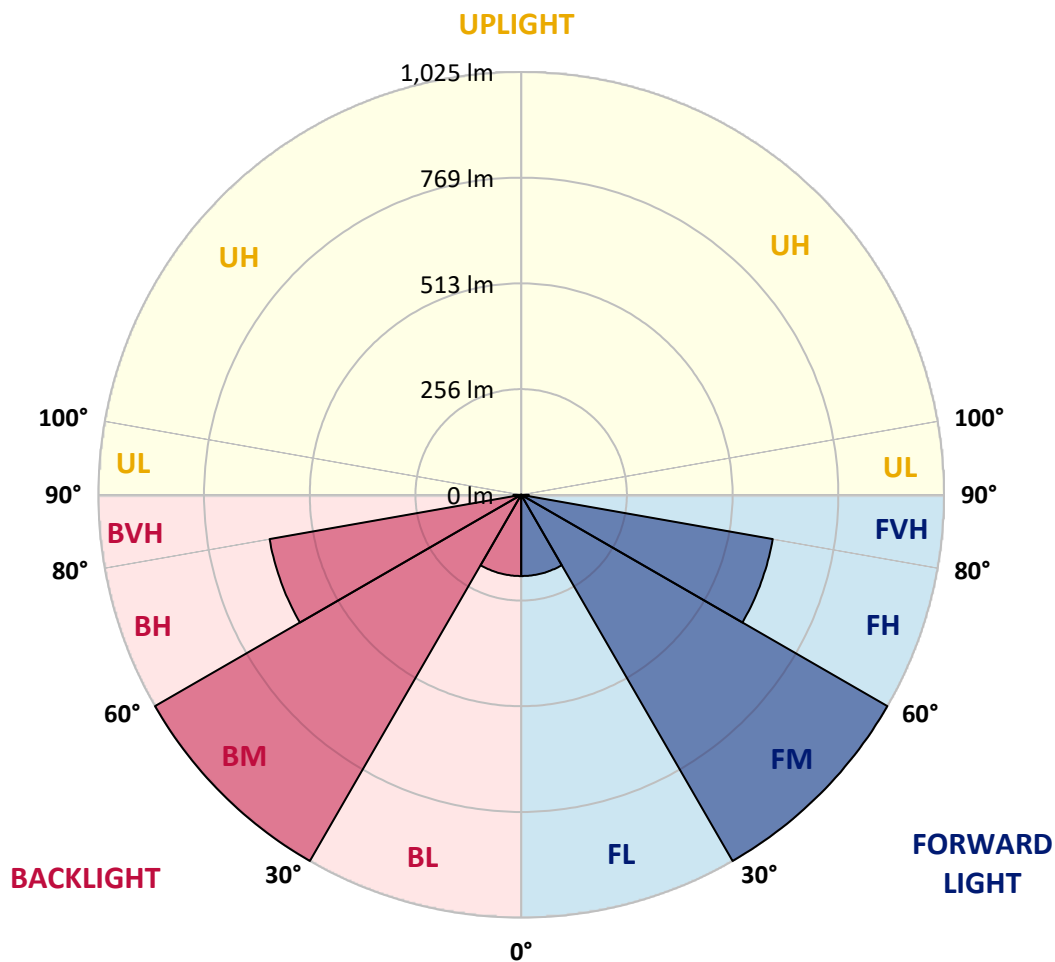
CATALOG NUMBER: GAW-AF-01-LED-U-RW-7027-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 197.0 | 5.3 | | | |
| FM (30°-60°) | 1025.1 | 27.6 | | | |
| FH (60°-80°) | 619.3 | 16.6 | | | G0/660 |
| FVH (80°-90°) | 18.6 | 0.5 | | | G1/100 |
| BL (0°-30°) | 197.0 | 5.3 | B1/500 | | |
| BM (30°-60°) | 1025.1 | 27.6 | B2/2500 | | |
| BH (60°-80°) | 619.3 | 16.6 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 18.6 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Medium





REPORT NUMBER: P269782

CATALOG NUMBER: GAW-AF-01-LED-U-RW-7027-600

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 |
| 2.5° | 412.0 | 411.6 | 412.0 | 411.8 | 412.1 | 412.1 | 412.4 | 413.1 | 413.1 | 413.7 | 413.5 |
| 5° | 407.9 | 407.7 | 408.2 | 408.8 | 409.3 | 410.3 | 411.3 | 413.0 | 414.2 | 415.0 | 415.9 |
| 7.5° | 399.9 | 399.9 | 400.6 | 401.9 | 403.1 | 405.5 | 407.9 | 411.1 | 414.2 | 416.9 | 419.1 |
| 10° | 393.5 | 393.7 | 394.6 | 396.8 | 398.8 | 402.4 | 405.8 | 410.3 | 414.7 | 419.1 | 422.7 |
| 12.5° | 389.5 | 390.1 | 391.8 | 394.9 | 398.4 | 403.1 | 408.2 | 413.9 | 418.9 | 424.2 | 427.8 |
| 15° | 390.9 | 391.1 | 393.5 | 397.3 | 401.9 | 407.9 | 414.7 | 421.6 | 427.4 | 433.1 | 437.7 |
| 17.5° | 397.7 | 398.2 | 400.9 | 405.2 | 409.9 | 417.1 | 424.4 | 432.2 | 439.4 | 445.6 | 451.5 |
| 20° | 409.9 | 410.4 | 413.8 | 418.6 | 424.2 | 431.5 | 438.8 | 446.8 | 455.0 | 461.6 | 468.1 |
| 22.5° | 427.4 | 428.2 | 431.5 | 436.1 | 442.5 | 450.2 | 459.0 | 467.7 | 475.4 | 481.5 | 487.3 |
| 25° | 450.2 | 452.1 | 455.1 | 460.4 | 467.1 | 474.1 | 483.6 | 492.5 | 499.7 | 505.7 | 509.9 |
| 27.5° | 482.6 | 485.3 | 487.5 | 492.6 | 499.1 | 505.7 | 515.3 | 523.1 | 530.1 | 535.7 | 538.9 |
| 30° | 525.5 | 528.2 | 530.4 | 535.3 | 541.3 | 547.6 | 556.6 | 563.4 | 567.9 | 572.2 | 572.1 |
| 32.5° | 577.5 | 580.3 | 581.3 | 586.6 | 592.6 | 599.4 | 607.6 | 611.4 | 615.0 | 615.5 | 612.4 |
| 35° | 635.7 | 637.1 | 640.6 | 647.7 | 654.8 | 660.3 | 668.1 | 670.0 | 670.0 | 667.4 | 660.3 |
| 37.5° | 699.5 | 700.4 | 705.3 | 713.3 | 720.4 | 726.3 | 731.5 | 735.4 | 733.5 | 727.8 | 716.0 |
| 40° | 769.5 | 771.0 | 778.1 | 785.2 | 793.3 | 798.8 | 804.3 | 805.1 | 803.1 | 794.8 | 778.8 |
| 42.5° | 836.3 | 837.7 | 844.8 | 855.8 | 866.3 | 874.0 | 879.3 | 880.2 | 874.1 | 866.5 | 846.7 |
| 45° | 893.9 | 897.4 | 906.6 | 919.7 | 935.0 | 945.6 | 952.8 | 955.8 | 950.3 | 940.5 | 917.4 |
| 47.5° | 939.3 | 943.0 | 956.1 | 971.4 | 990.6 | 1007.9 | 1019.8 | 1026.1 | 1024.7 | 1017.4 | 992.3 |
| 50° | 972.8 | 976.3 | 990.3 | 1009.2 | 1031.4 | 1053.1 | 1073.5 | 1088.6 | 1093.9 | 1090.5 | 1067.5 |
| 52.5° | 976.5 | 982.3 | 998.9 | 1024.3 | 1053.3 | 1082.7 | 1111.8 | 1137.4 | 1155.0 | 1157.5 | 1140.5 |
| 55° | 922.6 | 928.4 | 951.2 | 989.0 | 1032.0 | 1080.1 | 1126.6 | 1169.9 | 1204.1 | 1221.7 | 1212.7 |
| 57.5° | 795.3 | 805.7 | 829.9 | 874.1 | 937.2 | 1009.2 | 1083.3 | 1160.2 | 1229.9 | 1276.5 | 1285.5 |
| 60° | 609.5 | 621.8 | 646.2 | 693.2 | 763.5 | 849.4 | 948.3 | 1061.8 | 1185.1 | 1289.8 | 1352.5 |
| 62.5° | 391.0 | 402.6 | 428.1 | 469.0 | 526.3 | 619.6 | 725.6 | 860.3 | 1026.0 | 1191.4 | 1340.5 |
| 65° | 201.0 | 207.2 | 220.7 | 245.4 | 290.2 | 359.7 | 454.8 | 589.3 | 778.7 | 982.7 | 1198.2 |
| 67.5° | 127.3 | 128.5 | 131.5 | 135.0 | 146.5 | 170.5 | 214.9 | 298.6 | 454.5 | 667.4 | 919.7 |
| 70° | 110.0 | 110.0 | 108.7 | 108.2 | 109.6 | 112.8 | 119.7 | 139.2 | 191.8 | 316.8 | 530.4 |
| 72.5° | 100.7 | 99.7 | 97.2 | 95.3 | 95.0 | 95.0 | 96.4 | 99.4 | 107.7 | 129.0 | 207.6 |
| 75° | 92.9 | 89.8 | 86.4 | 84.3 | 83.4 | 82.5 | 82.3 | 82.9 | 84.6 | 87.9 | 99.2 |
| 77.5° | 83.2 | 79.3 | 75.4 | 73.1 | 72.0 | 70.8 | 69.8 | 68.6 | 67.7 | 68.7 | 73.8 |
| 80° | 71.5 | 67.2 | 64.1 | 62.7 | 61.8 | 59.9 | 57.8 | 55.5 | 53.5 | 53.3 | 56.2 |
| 82.5° | 57.8 | 52.6 | 52.7 | 53.3 | 51.4 | 48.9 | 46.4 | 44.1 | 40.9 | 39.0 | 40.9 |
| 85° | 46.6 | 43.9 | 42.7 | 46.1 | 43.3 | 39.5 | 35.8 | 31.6 | 26.4 | 22.2 | 24.1 |
| 87.5° | 18.1 | 18.1 | 27.0 | 41.7 | 37.5 | 30.6 | 26.2 | 22.3 | 14.0 | 10.7 | 10.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P269782

CATALOG NUMBER: GAW-AF-01-LED-U-RW-7027-600

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 | 412.6 |
| 2.5° | 413.3 | 413.7 | 413.5 | 413.3 | 413.3 | 413.1 | 413.3 | 413.3 |
| 5° | 416.5 | 417.4 | 417.4 | 417.7 | 417.7 | 417.9 | 418.2 | 417.9 |
| 7.5° | 421.2 | 422.8 | 423.9 | 425.1 | 425.3 | 425.4 | 425.7 | 425.4 |
| 10° | 425.9 | 429.1 | 431.5 | 433.7 | 434.8 | 435.0 | 435.5 | 435.5 |
| 12.5° | 431.9 | 436.3 | 440.3 | 444.4 | 446.4 | 447.4 | 447.4 | 448.2 |
| 15° | 441.7 | 446.2 | 450.9 | 456.3 | 459.8 | 461.5 | 462.0 | 462.0 |
| 17.5° | 455.7 | 459.6 | 463.5 | 468.8 | 473.0 | 475.4 | 475.9 | 475.7 |
| 20° | 471.9 | 475.6 | 477.9 | 481.2 | 484.8 | 487.5 | 488.1 | 488.1 |
| 22.5° | 490.4 | 492.5 | 492.8 | 493.9 | 496.9 | 500.4 | 502.0 | 502.3 |
| 25° | 510.6 | 511.2 | 509.9 | 509.9 | 511.8 | 515.1 | 516.6 | 516.9 |
| 27.5° | 537.0 | 534.4 | 530.9 | 529.7 | 530.9 | 534.9 | 536.7 | 537.5 |
| 30° | 570.0 | 563.6 | 555.5 | 551.1 | 550.4 | 555.5 | 559.0 | 559.6 |
| 32.5° | 607.6 | 598.5 | 587.8 | 578.8 | 576.4 | 579.6 | 583.9 | 583.7 |
| 35° | 652.2 | 641.3 | 628.4 | 616.9 | 611.7 | 614.8 | 620.8 | 621.4 |
| 37.5° | 703.7 | 689.4 | 674.5 | 660.2 | 651.9 | 652.8 | 659.0 | 661.2 |
| 40° | 761.3 | 742.8 | 723.9 | 704.6 | 692.9 | 690.5 | 698.3 | 699.5 |
| 42.5° | 822.8 | 799.0 | 775.2 | 751.4 | 736.3 | 732.7 | 741.7 | 741.2 |
| 45° | 888.3 | 858.2 | 830.4 | 804.0 | 786.0 | 780.7 | 788.2 | 788.2 |
| 47.5° | 958.9 | 921.7 | 888.6 | 858.6 | 839.0 | 831.6 | 838.6 | 839.0 |
| 50° | 1033.6 | 994.1 | 955.2 | 921.9 | 898.6 | 888.9 | 898.0 | 899.5 |
| 52.5° | 1107.9 | 1069.4 | 1030.3 | 992.3 | 963.9 | 952.2 | 962.8 | 967.3 |
| 55° | 1183.3 | 1145.6 | 1108.1 | 1071.0 | 1037.5 | 1023.4 | 1034.8 | 1040.5 |
| 57.5° | 1262.9 | 1228.1 | 1192.3 | 1155.0 | 1122.5 | 1101.0 | 1112.8 | 1120.5 |
| 60° | 1356.4 | 1326.4 | 1289.3 | 1248.0 | 1215.3 | 1193.4 | 1200.2 | 1207.1 |
| 62.5° | 1430.2 | 1441.8 | 1410.2 | 1362.5 | 1320.5 | 1292.3 | 1298.9 | 1306.2 |
| 65° | 1394.4 | 1513.6 | 1541.4 | 1493.2 | 1435.0 | 1391.1 | 1388.3 | 1392.1 |
| 67.5° | 1165.6 | 1396.8 | 1565.3 | 1611.4 | 1562.7 | 1501.8 | 1490.6 | 1496.0 |
| 70° | 779.6 | 1067.6 | 1365.2 | 1586.6 | 1645.5 | 1622.0 | 1610.9 | 1614.3 |
| 72.5° | 374.5 | 621.8 | 926.2 | 1220.5 | 1399.9 | 1482.3 | 1508.6 | 1521.4 |
| 75° | 136.9 | 246.9 | 446.4 | 672.7 | 812.1 | 940.0 | 1023.4 | 1057.7 |
| 77.5° | 82.6 | 99.7 | 142.7 | 214.7 | 243.1 | 272.1 | 260.9 | 266.4 |
| 80° | 61.2 | 69.1 | 78.2 | 87.9 | 91.1 | 91.1 | 87.6 | 84.7 |
| 82.5° | 42.8 | 48.0 | 52.5 | 57.8 | 59.1 | 56.5 | 46.4 | 36.9 |
| 85° | 27.6 | 30.0 | 31.8 | 35.2 | 34.2 | 32.7 | 22.0 | 19.6 |
| 87.5° | 12.7 | 14.5 | 15.1 | 16.7 | 16.0 | 15.4 | 10.9 | 9.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)