

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: P269804

Luminaire Tested: **GAW-AF-01-LED-U-SL4-7027-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)
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-SL4-7027-800
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4240 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

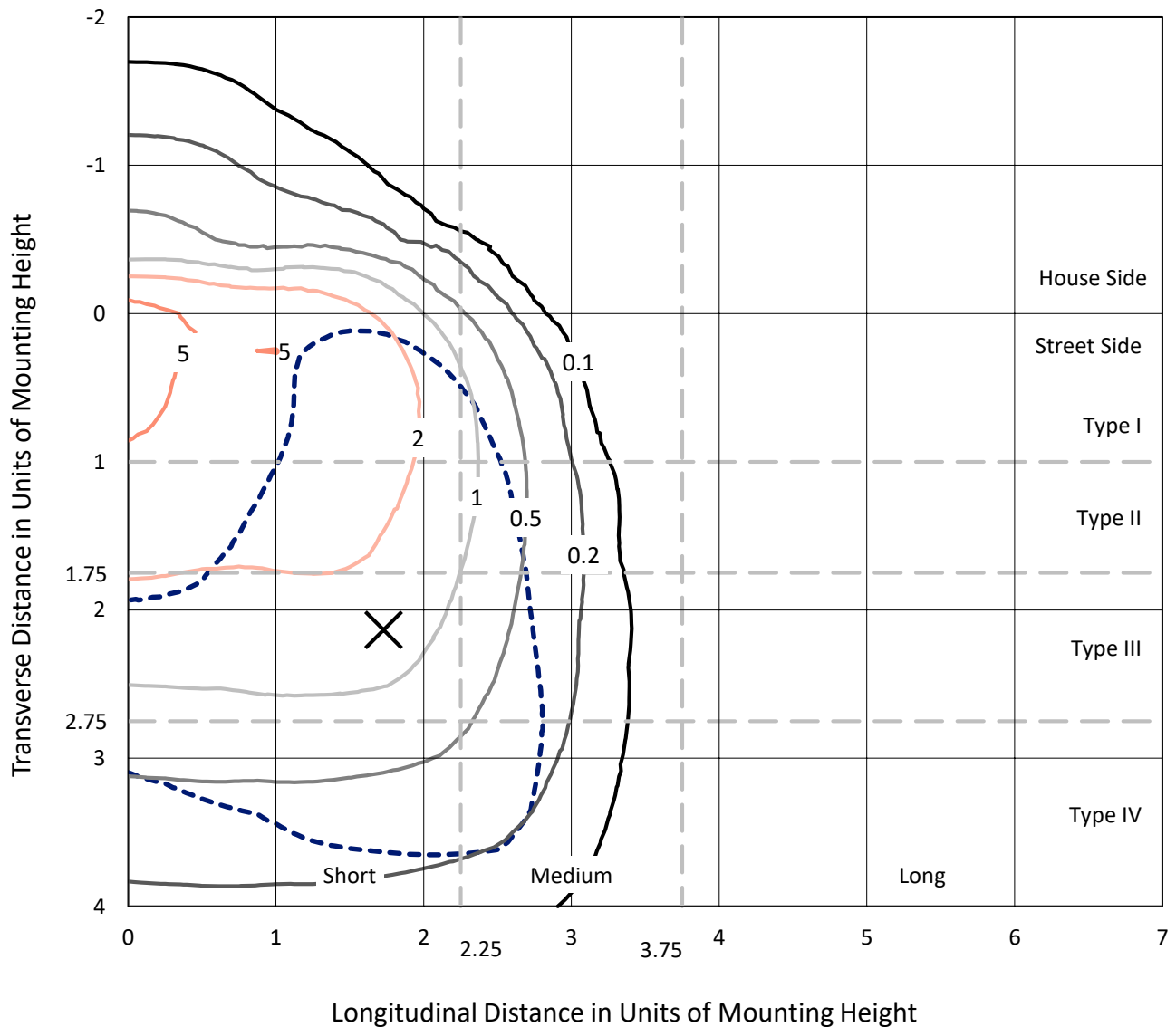
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P269804
 CATALOG NUMBER: GAW-AF-01-LED-U-SL4-7027-800

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

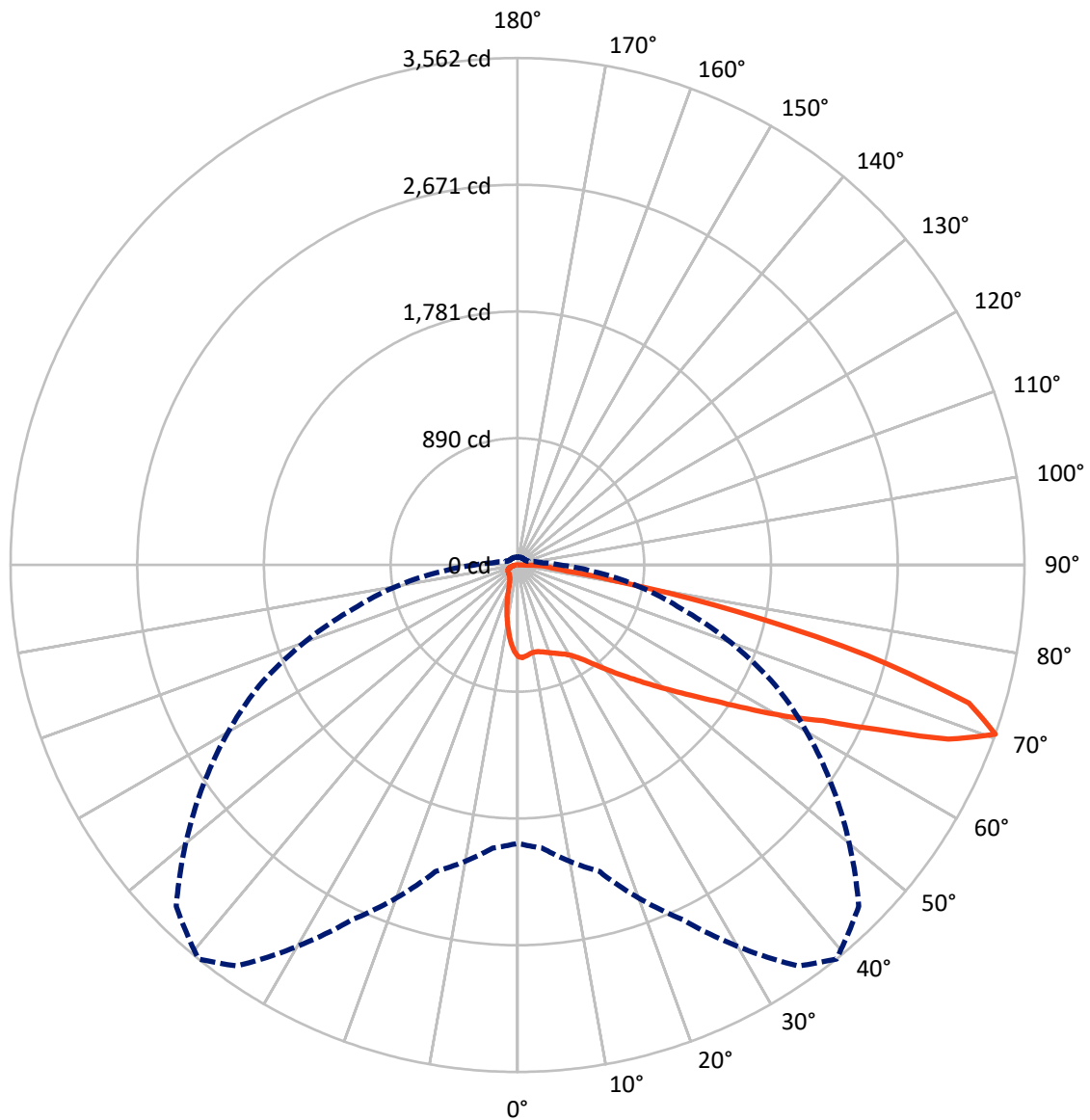


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P269804

CATALOG NUMBER: GAW-AF-01-LED-U-SL4-7027-800

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P269804

CATALOG NUMBER: GAW-AF-01-LED-U-SL4-7027-800

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 482.2 | 0.0 | 482.2 |
| | % Fixture | 11.4 | 0.0 | 11.4 |
| Street Side | Lumens | 3757.8 | 0.0 | 3757.8 |
| | % Fixture | 88.6 | 0.0 | 88.6 |
| Total | Lumens | 4240.0 | 0.0 | 4240.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.2 | 1.3 |
| 10°-20° | 138.1 | 3.3 |
| 20°-30° | 215.0 | 5.1 |
| 30°-40° | 334.9 | 7.9 |
| 40°-50° | 562.3 | 13.3 |
| 50°-60° | 893.2 | 21.1 |
| 60°-70° | 1191.5 | 28.1 |
| 70°-80° | 719.5 | 17.0 |
| 80°-90° | 130.2 | 3.1 |
| 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° | 4240.0 | 100.0 |
| 0°-180° | 4240.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P269804

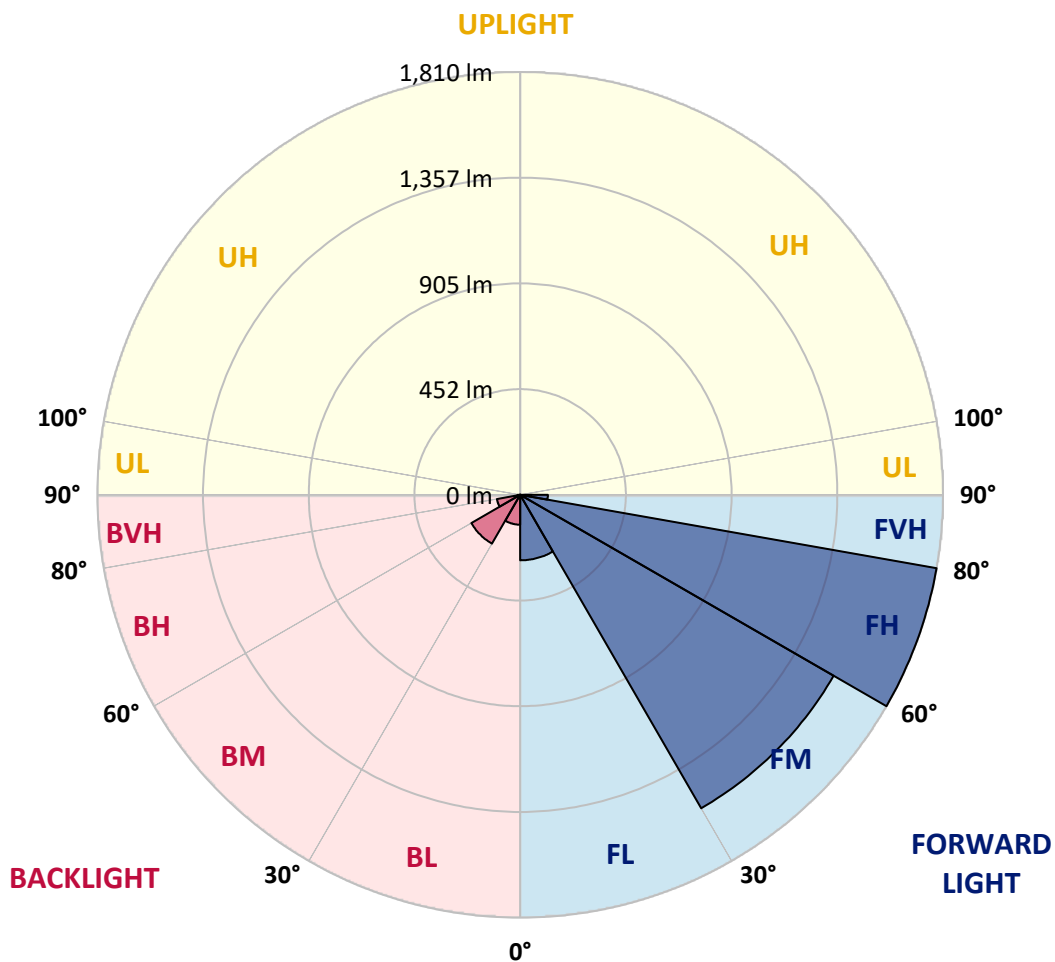
CATALOG NUMBER: GAW-AF-01-LED-U-SL4-7027-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 280.4 | 6.6 | | | |
| FM | (30°-60°) | 1549.1 | 36.5 | | | |
| FH | (60°-80°) | 1809.8 | 42.7 | | | G2/5000 |
| FVH | (80°-90°) | 118.5 | 2.8 | | | G2/225 |
| BL | (0°-30°) | 127.9 | 3.0 | B1/500 | | |
| BM | (30°-60°) | 241.3 | 5.7 | B1/1000 | | |
| BH | (60°-80°) | 101.2 | 2.4 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 11.7 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P269804

CATALOG NUMBER: GAW-AF-01-LED-U-SL4-7027-800

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 39° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 |
| 2.5° | 656.2 | 656.0 | 654.2 | 653.0 | 651.9 | 651.5 | 652.3 | 649.0 | 646.3 | 642.8 | 639.1 |
| 5° | 651.2 | 651.0 | 648.2 | 645.6 | 643.0 | 642.2 | 642.0 | 636.2 | 632.6 | 627.6 | 620.5 |
| 7.5° | 645.8 | 644.8 | 641.1 | 636.8 | 632.2 | 630.2 | 627.9 | 620.4 | 616.5 | 611.3 | 603.4 |
| 10° | 640.2 | 639.0 | 635.6 | 631.1 | 626.8 | 623.7 | 620.0 | 612.6 | 608.5 | 604.6 | 595.3 |
| 12.5° | 634.5 | 633.3 | 632.4 | 630.5 | 627.6 | 624.7 | 621.9 | 615.7 | 611.3 | 606.9 | 596.0 |
| 15° | 633.6 | 633.1 | 635.1 | 636.4 | 634.7 | 632.9 | 629.9 | 624.5 | 620.0 | 615.5 | 601.4 |
| 17.5° | 640.4 | 640.2 | 645.3 | 648.7 | 647.8 | 644.8 | 640.8 | 634.7 | 631.0 | 627.0 | 609.6 |
| 20° | 655.6 | 656.7 | 662.7 | 667.3 | 662.9 | 658.5 | 651.9 | 643.5 | 641.5 | 639.9 | 618.0 |
| 22.5° | 684.0 | 685.0 | 689.4 | 691.2 | 679.8 | 673.6 | 664.3 | 653.5 | 652.3 | 653.5 | 628.2 |
| 25° | 728.4 | 727.4 | 726.6 | 720.3 | 699.7 | 690.1 | 678.2 | 667.0 | 667.6 | 673.5 | 642.4 |
| 27.5° | 787.3 | 781.4 | 772.5 | 753.0 | 720.4 | 709.8 | 695.2 | 684.9 | 689.0 | 700.1 | 663.8 |
| 30° | 848.3 | 841.8 | 821.0 | 789.3 | 747.6 | 735.7 | 719.6 | 708.0 | 718.7 | 736.4 | 692.2 |
| 32.5° | 904.8 | 903.9 | 873.3 | 832.5 | 785.1 | 774.8 | 758.6 | 745.5 | 762.9 | 789.9 | 735.0 |
| 35° | 966.3 | 968.4 | 931.7 | 882.8 | 835.8 | 825.1 | 813.3 | 803.4 | 826.7 | 863.8 | 796.7 |
| 37.5° | 1032.4 | 1036.3 | 992.9 | 937.7 | 893.5 | 889.1 | 882.1 | 877.9 | 913.8 | 965.0 | 883.3 |
| 40° | 1120.5 | 1116.7 | 1056.5 | 999.9 | 964.5 | 964.2 | 962.2 | 967.3 | 1027.2 | 1097.5 | 994.2 |
| 42.5° | 1215.0 | 1203.5 | 1124.0 | 1066.5 | 1042.4 | 1049.6 | 1053.9 | 1075.0 | 1163.7 | 1258.3 | 1129.6 |
| 45° | 1316.7 | 1291.0 | 1194.0 | 1137.0 | 1128.7 | 1144.3 | 1159.0 | 1204.8 | 1324.2 | 1441.3 | 1277.8 |
| 47.5° | 1398.0 | 1373.1 | 1266.5 | 1210.8 | 1228.7 | 1252.2 | 1280.5 | 1353.1 | 1504.0 | 1630.3 | 1424.4 |
| 50° | 1462.0 | 1445.8 | 1339.6 | 1297.2 | 1339.0 | 1375.1 | 1421.3 | 1521.1 | 1691.1 | 1814.4 | 1559.8 |
| 52.5° | 1524.1 | 1512.0 | 1413.4 | 1385.5 | 1468.3 | 1518.2 | 1580.9 | 1701.3 | 1882.9 | 1995.6 | 1673.9 |
| 55° | 1580.2 | 1571.6 | 1492.7 | 1495.7 | 1620.5 | 1685.6 | 1764.5 | 1906.6 | 2092.2 | 2157.0 | 1770.5 |
| 57.5° | 1643.3 | 1632.3 | 1583.2 | 1633.7 | 1816.0 | 1900.5 | 2003.1 | 2137.2 | 2288.3 | 2300.6 | 1844.0 |
| 60° | 1706.9 | 1697.3 | 1683.7 | 1793.3 | 2064.3 | 2153.1 | 2250.3 | 2360.7 | 2487.2 | 2411.9 | 1839.6 |
| 62.5° | 1762.0 | 1763.2 | 1787.4 | 1960.8 | 2307.4 | 2410.3 | 2528.9 | 2638.0 | 2667.2 | 2431.4 | 1703.6 |
| 65° | 1855.7 | 1872.6 | 1945.3 | 2198.0 | 2649.8 | 2787.4 | 2932.8 | 2915.4 | 2717.1 | 2250.2 | 1412.0 |
| 67.5° | 1966.8 | 1996.8 | 2144.1 | 2513.9 | 3082.4 | 3265.1 | 3321.4 | 2978.2 | 2517.7 | 1829.0 | 1006.6 |
| 70° | 1955.7 | 1996.8 | 2229.9 | 2749.6 | 3439.0 | 3561.5 | 3390.7 | 2695.4 | 1999.2 | 1194.9 | 534.6 |
| 72.5° | 1736.7 | 1795.5 | 2055.1 | 2641.6 | 3326.8 | 3316.0 | 2943.7 | 2009.4 | 1187.7 | 479.9 | 208.9 |
| 75° | 1323.7 | 1383.1 | 1606.4 | 2086.9 | 2629.2 | 2538.8 | 2088.6 | 1109.9 | 450.8 | 190.6 | 131.7 |
| 77.5° | 761.5 | 807.5 | 980.1 | 1279.8 | 1668.2 | 1575.2 | 1162.5 | 493.7 | 219.5 | 132.8 | 102.9 |
| 80° | 425.1 | 450.8 | 555.5 | 649.4 | 817.5 | 749.4 | 520.2 | 306.7 | 163.9 | 96.4 | 79.3 |
| 82.5° | 336.1 | 359.0 | 449.2 | 409.5 | 373.3 | 344.5 | 298.7 | 273.2 | 130.9 | 60.7 | 47.4 |
| 85° | 293.6 | 315.3 | 380.3 | 322.5 | 254.9 | 233.9 | 242.7 | 268.9 | 101.8 | 36.7 | 40.6 |
| 87.5° | 272.0 | 301.1 | 338.9 | 248.6 | 198.5 | 175.9 | 223.9 | 294.6 | 32.8 | 22.8 | 16.3 |
| 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: P269804

CATALOG NUMBER: GAW-AF-01-LED-U-SL4-7027-800

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 | 643.6 |
| 2.5° | 635.9 | 632.4 | 626.8 | 621.9 | 614.3 | 610.0 | 605.5 | 602.4 | 599.7 | 597.6 | 601.1 |
| 5° | 616.2 | 609.9 | 598.0 | 585.2 | 570.2 | 558.3 | 548.4 | 539.2 | 532.6 | 528.4 | 531.3 |
| 7.5° | 597.8 | 587.2 | 568.6 | 545.6 | 519.8 | 497.8 | 479.6 | 463.6 | 452.7 | 445.6 | 448.3 |
| 10° | 587.2 | 574.0 | 545.5 | 509.2 | 471.0 | 436.8 | 408.3 | 383.8 | 366.7 | 356.9 | 358.6 |
| 12.5° | 584.6 | 567.5 | 527.9 | 478.2 | 425.9 | 378.4 | 338.2 | 304.2 | 280.2 | 267.8 | 268.1 |
| 15° | 586.6 | 564.9 | 511.6 | 448.3 | 382.4 | 322.3 | 272.2 | 230.9 | 203.0 | 188.9 | 188.6 |
| 17.5° | 589.7 | 562.7 | 494.2 | 416.3 | 338.2 | 268.5 | 212.5 | 172.0 | 147.4 | 136.1 | 135.1 |
| 20° | 593.2 | 559.1 | 474.9 | 381.6 | 292.3 | 218.4 | 166.5 | 134.7 | 119.3 | 112.9 | 112.6 |
| 22.5° | 598.2 | 556.2 | 454.8 | 344.9 | 247.3 | 177.9 | 136.9 | 115.5 | 107.3 | 104.2 | 103.7 |
| 25° | 606.1 | 554.7 | 433.5 | 306.7 | 206.7 | 148.8 | 119.3 | 106.1 | 101.2 | 99.2 | 99.0 |
| 27.5° | 619.6 | 556.8 | 413.5 | 269.8 | 173.7 | 129.1 | 109.4 | 101.2 | 97.8 | 95.8 | 95.7 |
| 30° | 636.8 | 563.4 | 392.3 | 234.5 | 148.1 | 115.7 | 103.2 | 98.1 | 95.3 | 93.3 | 93.3 |
| 32.5° | 665.5 | 574.7 | 370.1 | 204.2 | 129.7 | 106.4 | 98.8 | 95.3 | 93.0 | 91.4 | 91.2 |
| 35° | 707.8 | 595.8 | 349.4 | 178.9 | 116.6 | 99.8 | 94.9 | 92.3 | 90.5 | 89.7 | 89.7 |
| 37.5° | 769.2 | 629.3 | 331.1 | 160.8 | 108.7 | 95.3 | 91.2 | 89.2 | 88.2 | 88.2 | 88.2 |
| 40° | 851.8 | 675.3 | 316.3 | 148.8 | 104.2 | 92.0 | 88.5 | 86.9 | 86.2 | 86.4 | 86.4 |
| 42.5° | 953.7 | 735.4 | 306.3 | 140.3 | 102.0 | 90.1 | 86.4 | 85.2 | 84.5 | 84.4 | 84.5 |
| 45° | 1069.9 | 803.4 | 305.2 | 134.0 | 99.8 | 88.8 | 85.2 | 83.8 | 82.6 | 81.7 | 81.7 |
| 47.5° | 1182.9 | 872.7 | 314.0 | 132.0 | 97.5 | 87.3 | 84.1 | 82.7 | 80.8 | 79.0 | 79.0 |
| 50° | 1282.7 | 931.5 | 325.9 | 132.8 | 96.6 | 85.2 | 82.4 | 81.7 | 78.7 | 76.5 | 76.4 |
| 52.5° | 1362.0 | 976.7 | 335.6 | 135.4 | 97.5 | 83.6 | 80.2 | 80.4 | 77.2 | 74.7 | 74.6 |
| 55° | 1425.6 | 1006.6 | 333.0 | 138.0 | 99.4 | 82.7 | 78.2 | 78.7 | 76.0 | 73.8 | 73.8 |
| 57.5° | 1453.4 | 995.5 | 304.3 | 135.9 | 100.9 | 83.1 | 76.7 | 78.4 | 76.4 | 74.2 | 74.2 |
| 60° | 1393.7 | 897.9 | 250.6 | 126.3 | 99.0 | 82.4 | 76.0 | 79.3 | 79.1 | 77.0 | 76.7 |
| 62.5° | 1213.0 | 723.0 | 194.5 | 112.3 | 92.3 | 79.1 | 74.4 | 79.1 | 81.4 | 80.8 | 80.6 |
| 65° | 935.0 | 515.0 | 148.5 | 97.2 | 83.3 | 73.8 | 69.9 | 74.2 | 77.4 | 78.2 | 78.1 |
| 67.5° | 606.9 | 315.7 | 114.4 | 83.1 | 73.1 | 67.5 | 64.0 | 65.9 | 66.7 | 66.7 | 66.1 |
| 70° | 298.3 | 169.9 | 91.2 | 69.9 | 62.7 | 60.7 | 58.8 | 57.9 | 56.8 | 55.9 | 55.9 |
| 72.5° | 147.2 | 111.0 | 75.0 | 59.1 | 54.1 | 53.3 | 52.8 | 51.6 | 50.7 | 49.5 | 49.1 |
| 75° | 108.9 | 90.3 | 63.8 | 49.8 | 46.5 | 45.8 | 46.5 | 45.5 | 45.3 | 44.3 | 43.9 |
| 77.5° | 89.6 | 77.0 | 54.9 | 42.7 | 39.9 | 38.4 | 39.6 | 39.9 | 40.2 | 38.7 | 38.4 |
| 80° | 72.7 | 65.0 | 46.0 | 35.4 | 32.8 | 31.7 | 32.6 | 34.2 | 34.8 | 32.8 | 31.9 |
| 82.5° | 52.5 | 53.3 | 37.1 | 27.6 | 25.4 | 24.6 | 26.3 | 28.4 | 28.8 | 26.1 | 25.4 |
| 85° | 43.9 | 44.3 | 28.4 | 19.7 | 17.4 | 16.2 | 19.0 | 21.1 | 22.6 | 19.9 | 19.1 |
| 87.5° | 18.3 | 26.1 | 16.3 | 11.0 | 9.7 | 8.4 | 10.2 | 11.1 | 13.6 | 12.4 | 12.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)