

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: P269813

Luminaire Tested: **GAW-AF-01-LED-U-SLR-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
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-SLR-7027
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4854.4 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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

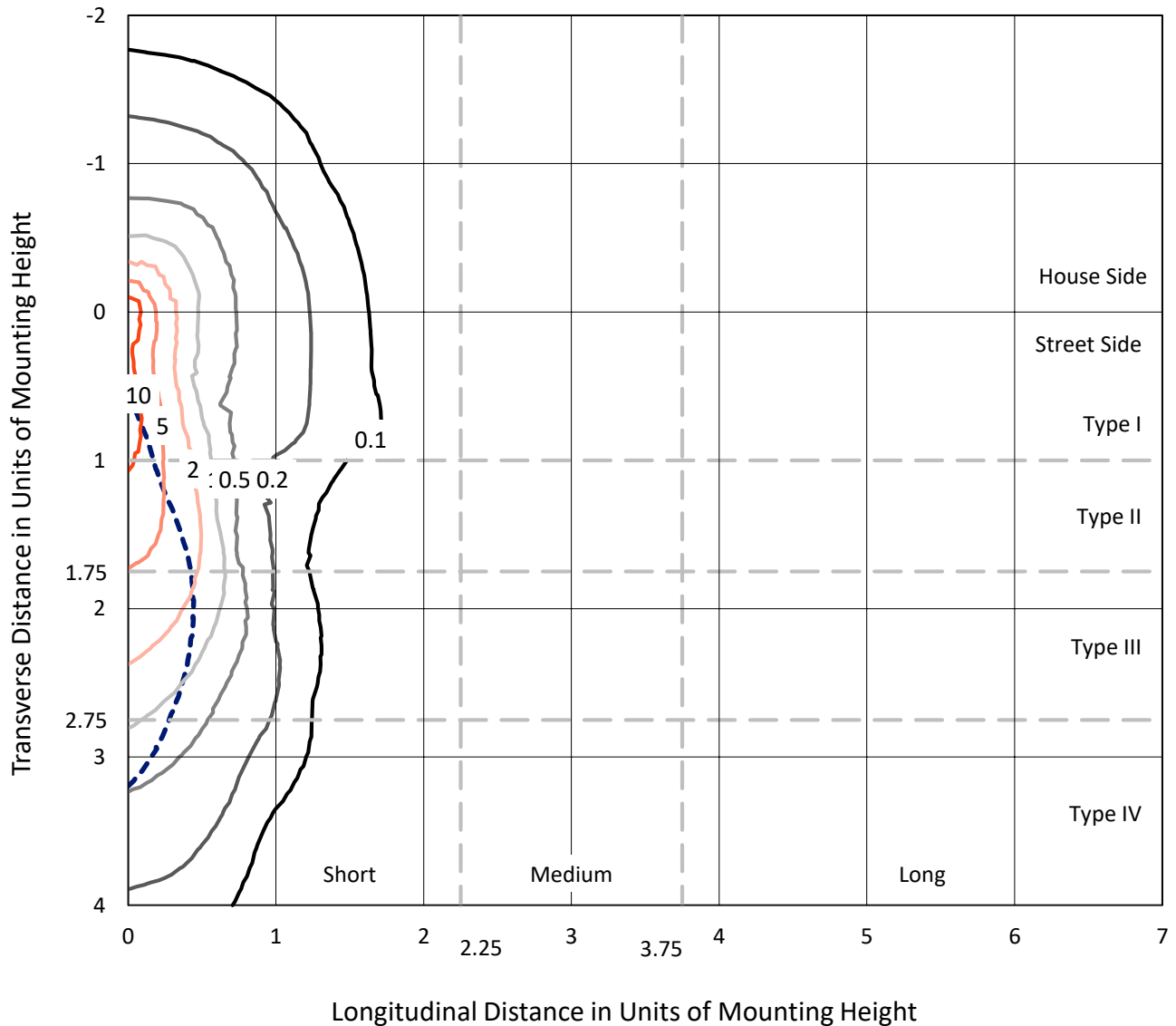


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Iso-Footcandle Lines of Horizontal Illumination

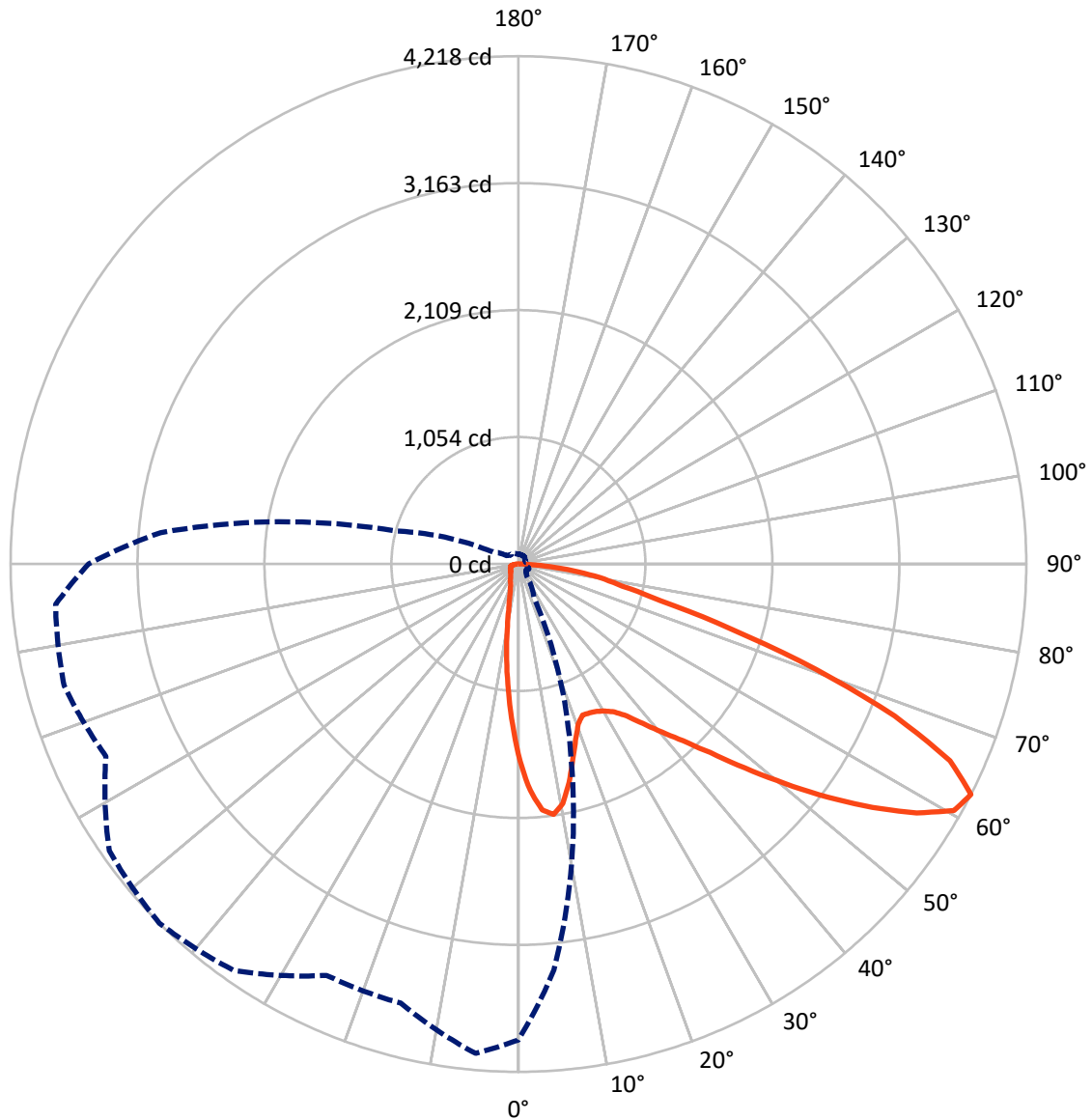
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 803.3 | 0.0 | 803.3 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 4051.1 | 0.0 | 4051.1 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 4854.4 | 0.0 | 4854.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 119.4 | 2.5 |
| 10°-20° | 218.9 | 4.5 |
| 20°-30° | 319.2 | 6.6 |
| 30°-40° | 491.6 | 10.1 |
| 40°-50° | 723.5 | 14.9 |
| 50°-60° | 1061.2 | 21.9 |
| 60°-70° | 1186.3 | 24.4 |
| 70°-80° | 580.8 | 12.0 |
| 80°-90° | 153.3 | 3.2 |
| 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° | 4854.4 | 100.0 |
| 0°-180° | 4854.4 | 100.0 |



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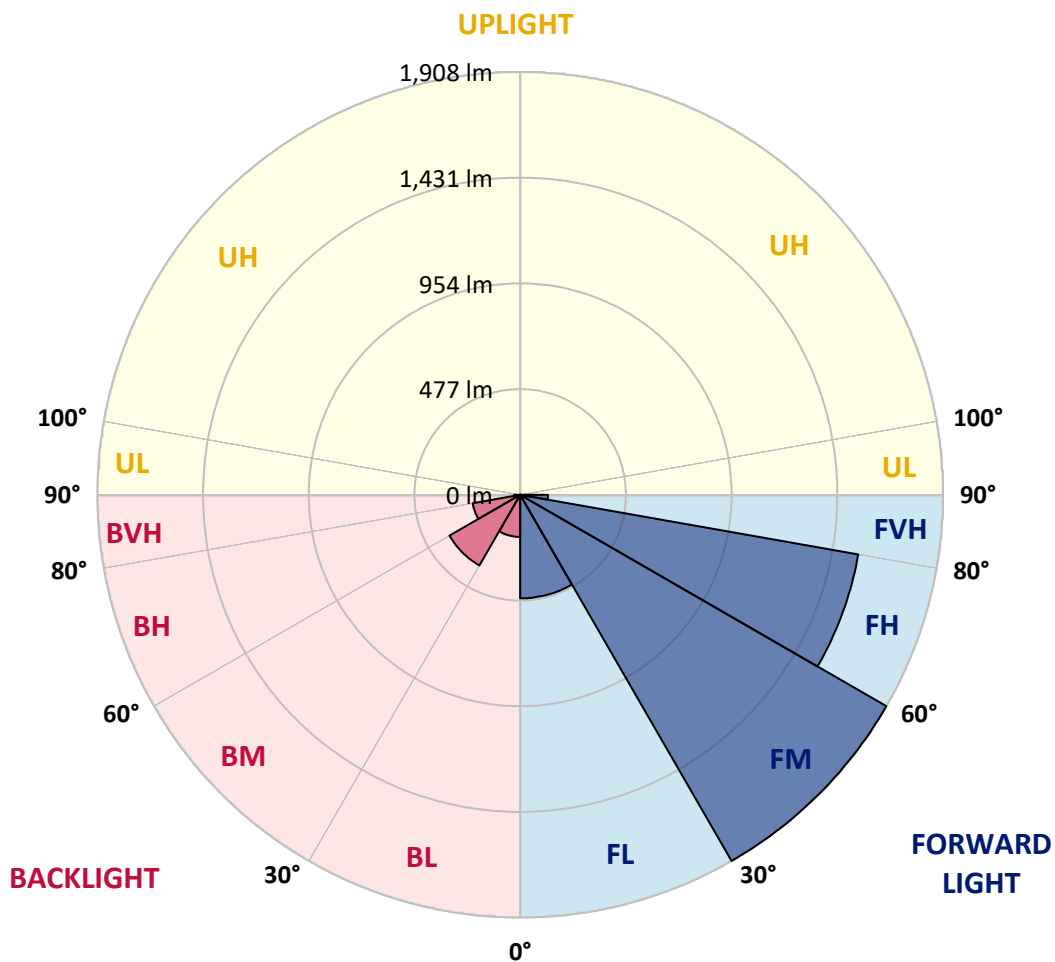
CATALOG NUMBER: GAW-AF-01-LED-U-SLR-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 467.5 | 9.6 | | | |
| FM | (30°-60°) | 1908.3 | 39.3 | | | |
| FH | (60°-80°) | 1549.4 | 31.9 | | | G1/1800 |
| FVH | (80°-90°) | 125.9 | 2.6 | | | G2/225 |
| BL | (0°-30°) | 190.1 | 3.9 | B1/500 | | |
| BM | (30°-60°) | 368.1 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 217.8 | 4.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 27.4 | 0.6 | | | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 |
| 2.5° | 1704.2 | 1669.4 | 1611.7 | 1551.7 | 1515.3 | 1472.5 | 1439.2 | 1409.8 | 1351.1 | 1339.6 | 1350.1 |
| 5° | 1602.4 | 1532.8 | 1424.3 | 1314.8 | 1241.9 | 1163.8 | 1102.8 | 1054.2 | 979.6 | 966.5 | 982.2 |
| 7.5° | 1439.4 | 1356.1 | 1212.6 | 1073.0 | 970.0 | 872.3 | 806.7 | 754.3 | 696.2 | 671.2 | 672.7 |
| 10° | 1298.8 | 1204.8 | 1035.1 | 883.4 | 799.0 | 733.0 | 677.9 | 624.1 | 565.3 | 526.4 | 515.8 |
| 12.5° | 1220.1 | 1112.0 | 916.5 | 780.7 | 702.7 | 633.2 | 573.7 | 516.3 | 453.4 | 413.8 | 402.7 |
| 15° | 1206.5 | 1089.0 | 871.9 | 715.2 | 617.2 | 529.5 | 459.3 | 395.3 | 330.3 | 298.3 | 291.7 |
| 17.5° | 1265.4 | 1130.1 | 857.4 | 656.8 | 536.8 | 428.6 | 342.3 | 270.8 | 218.0 | 201.9 | 200.7 |
| 20° | 1378.5 | 1209.1 | 855.5 | 601.8 | 457.6 | 330.7 | 238.6 | 186.5 | 163.3 | 158.8 | 159.0 |
| 22.5° | 1537.3 | 1331.6 | 878.5 | 560.5 | 384.8 | 246.6 | 179.3 | 156.1 | 147.1 | 142.8 | 142.8 |
| 25° | 1742.8 | 1500.3 | 931.4 | 530.2 | 321.6 | 197.0 | 158.2 | 144.4 | 135.9 | 132.9 | 133.4 |
| 27.5° | 1941.9 | 1664.4 | 992.6 | 506.5 | 280.2 | 178.9 | 149.9 | 137.4 | 130.0 | 127.0 | 128.4 |
| 30° | 2097.3 | 1810.1 | 1043.9 | 474.1 | 259.2 | 173.7 | 152.9 | 140.0 | 129.4 | 124.9 | 125.1 |
| 32.5° | 2225.8 | 1937.6 | 1086.9 | 450.9 | 240.4 | 148.8 | 131.8 | 126.2 | 124.9 | 119.6 | 116.9 |
| 35° | 2390.2 | 2076.6 | 1115.8 | 451.5 | 231.7 | 132.9 | 117.4 | 107.5 | 100.3 | 94.2 | 94.2 |
| 37.5° | 2582.8 | 2236.2 | 1146.3 | 457.6 | 228.3 | 123.5 | 112.4 | 102.4 | 95.8 | 89.9 | 88.8 |
| 40° | 2773.3 | 2392.6 | 1174.4 | 463.5 | 226.6 | 117.9 | 108.3 | 99.3 | 93.2 | 87.2 | 85.7 |
| 42.5° | 2935.4 | 2521.3 | 1199.4 | 466.5 | 220.2 | 117.4 | 105.5 | 97.1 | 91.3 | 84.9 | 83.3 |
| 45° | 3055.1 | 2629.0 | 1226.5 | 471.0 | 213.7 | 119.6 | 105.5 | 96.8 | 89.7 | 83.5 | 81.9 |
| 47.5° | 3162.3 | 2755.6 | 1271.6 | 471.0 | 206.0 | 115.5 | 108.9 | 97.1 | 89.4 | 83.1 | 81.7 |
| 50° | 3305.6 | 2929.0 | 1357.0 | 460.0 | 195.1 | 111.3 | 114.8 | 96.1 | 87.0 | 81.9 | 80.3 |
| 52.5° | 3503.0 | 3151.3 | 1492.5 | 441.1 | 178.3 | 102.9 | 113.9 | 95.5 | 84.6 | 79.3 | 77.3 |
| 55° | 3736.5 | 3389.3 | 1640.3 | 419.0 | 153.3 | 97.1 | 110.0 | 94.2 | 81.9 | 76.0 | 74.2 |
| 57.5° | 3918.8 | 3553.2 | 1744.4 | 384.8 | 131.3 | 94.0 | 97.3 | 92.9 | 78.7 | 72.7 | 71.0 |
| 60° | 3991.3 | 3546.8 | 1773.0 | 339.2 | 120.6 | 91.3 | 85.1 | 104.1 | 76.0 | 69.9 | 68.0 |
| 62.5° | 3952.2 | 3382.8 | 1692.9 | 307.1 | 118.1 | 87.9 | 79.8 | 96.4 | 73.9 | 68.0 | 65.3 |
| 65° | 3770.9 | 3092.5 | 1480.8 | 298.5 | 125.1 | 84.4 | 76.4 | 75.5 | 71.0 | 65.3 | 62.7 |
| 67.5° | 3376.2 | 2658.7 | 1185.7 | 299.4 | 133.9 | 80.8 | 72.9 | 69.1 | 67.0 | 62.4 | 60.0 |
| 70° | 2749.9 | 2102.0 | 883.8 | 301.6 | 138.5 | 76.8 | 69.1 | 65.0 | 62.7 | 58.2 | 56.6 |
| 72.5° | 2021.9 | 1620.1 | 642.1 | 287.6 | 139.2 | 72.4 | 64.0 | 60.5 | 58.2 | 53.4 | 52.0 |
| 75° | 1383.4 | 1239.2 | 445.4 | 238.3 | 121.5 | 65.9 | 58.4 | 55.2 | 53.5 | 47.8 | 47.0 |
| 77.5° | 1010.6 | 930.3 | 285.0 | 177.0 | 93.7 | 57.9 | 51.6 | 49.0 | 48.0 | 41.6 | 40.6 |
| 80° | 811.0 | 736.0 | 178.3 | 121.1 | 68.6 | 48.6 | 43.2 | 42.0 | 40.9 | 34.5 | 33.6 |
| 82.5° | 562.5 | 492.9 | 114.4 | 78.7 | 51.6 | 37.5 | 34.1 | 33.6 | 32.0 | 26.1 | 25.3 |
| 85° | 296.7 | 267.6 | 72.7 | 53.5 | 37.4 | 26.0 | 23.7 | 23.7 | 22.9 | 17.3 | 16.8 |
| 87.5° | 37.9 | 61.7 | 36.8 | 27.9 | 20.5 | 11.5 | 11.5 | 11.1 | 11.9 | 9.9 | 8.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: GAW-AF-01-LED-U-SLR-7027

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 |
| 2.5° | 1325.4 | 1338.3 | 1326.0 | 1326.7 | 1340.5 | 1381.0 | 1399.4 | 1414.7 | 1430.9 | 1441.5 | 1446.4 |
| 5° | 960.6 | 990.6 | 1000.7 | 1022.0 | 1053.5 | 1105.4 | 1125.8 | 1140.8 | 1150.6 | 1156.6 | 1159.0 |
| 7.5° | 657.0 | 675.2 | 695.4 | 729.9 | 798.5 | 828.9 | 842.5 | 838.9 | 827.8 | 823.7 | 819.8 |
| 10° | 495.2 | 488.0 | 484.4 | 503.3 | 558.7 | 589.5 | 599.1 | 589.7 | 583.5 | 584.9 | 591.7 |
| 12.5° | 383.8 | 371.2 | 356.0 | 353.8 | 390.5 | 417.9 | 424.0 | 424.5 | 435.8 | 445.6 | 460.3 |
| 15° | 279.6 | 278.4 | 270.8 | 266.3 | 287.2 | 309.6 | 312.3 | 317.0 | 327.2 | 334.3 | 347.1 |
| 17.5° | 197.2 | 204.5 | 210.3 | 213.2 | 229.0 | 245.0 | 242.1 | 239.7 | 237.8 | 237.8 | 243.9 |
| 20° | 159.0 | 163.9 | 171.3 | 179.9 | 195.9 | 207.1 | 199.9 | 190.4 | 183.3 | 181.2 | 181.9 |
| 22.5° | 143.3 | 147.1 | 151.4 | 158.8 | 173.3 | 180.9 | 173.3 | 166.2 | 159.3 | 156.9 | 156.1 |
| 25° | 135.3 | 140.0 | 144.1 | 149.7 | 160.3 | 165.6 | 158.2 | 153.3 | 148.8 | 146.0 | 143.8 |
| 27.5° | 130.8 | 135.0 | 136.2 | 138.8 | 147.9 | 152.6 | 148.8 | 146.8 | 144.1 | 141.5 | 138.8 |
| 30° | 125.9 | 125.1 | 123.2 | 123.5 | 130.8 | 135.6 | 135.3 | 135.9 | 135.6 | 134.7 | 134.2 |
| 32.5° | 115.1 | 113.5 | 111.7 | 113.5 | 120.1 | 124.3 | 124.7 | 125.8 | 125.8 | 125.5 | 127.6 |
| 35° | 95.8 | 98.8 | 100.6 | 105.5 | 113.5 | 117.1 | 115.5 | 112.8 | 108.1 | 105.1 | 104.9 |
| 37.5° | 88.7 | 89.1 | 92.3 | 99.1 | 107.7 | 111.3 | 108.9 | 102.8 | 99.5 | 99.1 | 99.8 |
| 40° | 85.1 | 85.7 | 87.6 | 93.7 | 102.4 | 105.9 | 103.8 | 99.3 | 96.4 | 96.1 | 97.3 |
| 42.5° | 82.7 | 83.3 | 84.4 | 88.7 | 95.8 | 100.2 | 100.3 | 97.1 | 93.7 | 94.0 | 95.3 |
| 45° | 81.3 | 81.7 | 81.3 | 83.5 | 90.2 | 95.3 | 97.3 | 95.3 | 92.3 | 92.9 | 94.4 |
| 47.5° | 81.1 | 80.3 | 79.3 | 79.8 | 86.7 | 91.7 | 94.4 | 93.7 | 92.3 | 92.9 | 94.2 |
| 50° | 80.0 | 78.2 | 76.8 | 76.5 | 83.5 | 88.8 | 91.3 | 91.3 | 91.7 | 92.9 | 94.2 |
| 52.5° | 76.8 | 74.6 | 74.6 | 73.9 | 81.3 | 86.4 | 88.0 | 88.4 | 89.1 | 91.0 | 92.9 |
| 55° | 72.9 | 72.0 | 72.9 | 71.5 | 79.8 | 84.6 | 85.3 | 85.9 | 86.4 | 88.0 | 90.6 |
| 57.5° | 69.3 | 68.4 | 70.2 | 69.7 | 78.4 | 82.7 | 82.7 | 83.8 | 83.8 | 85.9 | 88.0 |
| 60° | 67.6 | 65.3 | 66.1 | 66.7 | 76.5 | 81.1 | 80.6 | 81.7 | 82.1 | 84.0 | 85.7 |
| 62.5° | 65.0 | 63.2 | 63.2 | 64.6 | 74.5 | 78.7 | 78.4 | 79.3 | 81.3 | 81.9 | 83.5 |
| 65° | 62.2 | 61.4 | 60.5 | 62.2 | 72.4 | 76.0 | 76.4 | 77.3 | 79.3 | 79.8 | 81.1 |
| 67.5° | 59.3 | 59.5 | 57.9 | 59.5 | 70.4 | 73.4 | 73.4 | 75.5 | 76.4 | 77.3 | 78.7 |
| 70° | 56.1 | 56.4 | 54.9 | 56.9 | 69.1 | 70.4 | 70.2 | 73.1 | 73.7 | 74.5 | 75.7 |
| 72.5° | 52.0 | 52.0 | 51.6 | 54.2 | 67.0 | 67.6 | 67.0 | 69.3 | 69.7 | 70.4 | 71.0 |
| 75° | 47.8 | 47.8 | 47.3 | 50.9 | 65.7 | 64.3 | 62.7 | 64.6 | 65.0 | 65.7 | 65.7 |
| 77.5° | 42.2 | 42.7 | 42.7 | 47.3 | 61.2 | 63.1 | 57.6 | 58.7 | 59.5 | 59.7 | 59.0 |
| 80° | 35.3 | 36.6 | 37.1 | 42.9 | 51.3 | 58.2 | 51.6 | 52.3 | 52.6 | 52.6 | 51.6 |
| 82.5° | 26.9 | 29.4 | 30.7 | 37.1 | 39.3 | 48.9 | 44.8 | 45.6 | 44.8 | 43.2 | 42.7 |
| 85° | 18.7 | 21.9 | 23.4 | 28.2 | 29.6 | 37.5 | 37.4 | 37.4 | 35.8 | 33.6 | 33.3 |
| 87.5° | 10.2 | 11.9 | 13.0 | 16.8 | 20.3 | 25.3 | 27.5 | 26.7 | 25.3 | 24.1 | 24.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: GAW-AF-01-LED-U-SLR-7027

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 | 1640.0 |
| 2.5° | 1471.5 | 1507.7 | 1565.7 | 1609.9 | 1654.5 | 1697.4 | 1743.9 | 1779.5 | 1809.5 | 1821.3 | 1857.1 |
| 5° | 1183.2 | 1228.6 | 1283.3 | 1382.0 | 1451.9 | 1529.1 | 1618.1 | 1736.2 | 1781.5 | 1844.2 | 1946.9 |
| 7.5° | 836.6 | 877.6 | 965.8 | 1045.5 | 1144.5 | 1253.7 | 1374.0 | 1536.8 | 1596.3 | 1696.9 | 1864.3 |
| 10° | 624.7 | 672.6 | 743.2 | 810.5 | 897.6 | 1009.2 | 1147.5 | 1329.4 | 1401.7 | 1510.9 | 1703.5 |
| 12.5° | 503.3 | 559.6 | 634.7 | 697.9 | 765.4 | 844.0 | 978.3 | 1177.9 | 1274.8 | 1370.3 | 1565.0 |
| 15° | 386.7 | 445.6 | 515.3 | 595.7 | 670.0 | 754.9 | 895.6 | 1113.9 | 1225.4 | 1324.9 | 1491.1 |
| 17.5° | 267.6 | 318.1 | 405.9 | 489.7 | 584.9 | 693.5 | 872.7 | 1127.5 | 1260.6 | 1375.3 | 1504.0 |
| 20° | 189.7 | 218.6 | 290.6 | 387.8 | 506.5 | 642.8 | 868.3 | 1199.0 | 1372.2 | 1503.1 | 1586.1 |
| 22.5° | 159.5 | 170.3 | 212.2 | 301.3 | 438.5 | 605.0 | 883.4 | 1299.3 | 1522.6 | 1690.0 | 1717.2 |
| 25° | 145.4 | 151.9 | 173.7 | 236.4 | 377.8 | 577.5 | 933.7 | 1448.7 | 1708.9 | 1876.7 | 1872.0 |
| 27.5° | 137.7 | 144.4 | 158.8 | 199.7 | 332.3 | 560.5 | 984.2 | 1625.9 | 1921.8 | 2079.5 | 2019.7 |
| 30° | 135.3 | 144.4 | 159.5 | 188.1 | 299.7 | 533.5 | 1025.5 | 1781.5 | 2085.8 | 2216.5 | 2087.0 |
| 32.5° | 133.4 | 134.7 | 141.8 | 162.2 | 268.8 | 502.0 | 1053.5 | 1921.0 | 2246.1 | 2346.7 | 2183.9 |
| 35° | 107.7 | 114.4 | 125.8 | 145.4 | 250.5 | 483.0 | 1053.5 | 2041.4 | 2404.0 | 2478.2 | 2276.2 |
| 37.5° | 103.8 | 109.7 | 119.6 | 136.4 | 240.4 | 473.6 | 1032.4 | 2157.5 | 2565.5 | 2627.5 | 2352.3 |
| 40° | 101.7 | 106.4 | 115.8 | 129.4 | 236.2 | 462.9 | 1001.8 | 2260.0 | 2723.2 | 2776.9 | 2423.3 |
| 42.5° | 100.2 | 104.4 | 113.1 | 125.1 | 230.5 | 451.3 | 976.9 | 2342.2 | 2860.2 | 2904.4 | 2491.1 |
| 45° | 99.3 | 103.8 | 113.5 | 127.3 | 219.4 | 435.8 | 968.7 | 2431.1 | 2972.8 | 3010.8 | 2564.4 |
| 47.5° | 99.3 | 104.7 | 114.8 | 131.8 | 206.0 | 419.8 | 994.6 | 2548.2 | 3079.2 | 3098.0 | 2650.9 |
| 50° | 98.5 | 104.4 | 118.4 | 127.3 | 186.5 | 399.4 | 1055.4 | 2695.8 | 3194.6 | 3196.6 | 2760.3 |
| 52.5° | 96.8 | 103.8 | 127.6 | 124.7 | 164.1 | 372.7 | 1137.7 | 2885.3 | 3365.1 | 3377.8 | 2931.7 |
| 55° | 95.0 | 102.9 | 125.1 | 118.4 | 145.7 | 341.0 | 1204.8 | 3115.5 | 3604.7 | 3640.1 | 3183.6 |
| 57.5° | 92.5 | 102.0 | 121.1 | 110.0 | 133.7 | 300.3 | 1229.2 | 3284.2 | 3772.0 | 3861.2 | 3467.5 |
| 60° | 90.5 | 101.1 | 109.5 | 104.9 | 126.2 | 265.8 | 1182.2 | 3250.7 | 3760.5 | 3952.6 | 3719.2 |
| 62.5° | 88.4 | 102.0 | 99.8 | 101.7 | 122.8 | 243.6 | 1059.5 | 2983.7 | 3570.3 | 3858.2 | 3905.7 |
| 65° | 85.9 | 94.7 | 94.2 | 99.1 | 122.0 | 234.8 | 878.3 | 2583.2 | 3202.5 | 3559.5 | 3949.7 |
| 67.5° | 82.7 | 87.6 | 90.2 | 95.5 | 124.7 | 227.1 | 708.8 | 2130.8 | 2691.5 | 3112.1 | 3720.2 |
| 70° | 79.3 | 83.3 | 86.1 | 91.3 | 123.0 | 223.6 | 589.5 | 1680.4 | 2135.6 | 2550.6 | 3267.3 |
| 72.5° | 74.6 | 78.2 | 80.8 | 85.7 | 121.5 | 221.7 | 497.9 | 1353.1 | 1594.4 | 1894.6 | 2656.5 |
| 75° | 69.3 | 72.7 | 74.5 | 79.3 | 116.3 | 203.0 | 391.5 | 1145.1 | 1193.0 | 1318.1 | 2115.9 |
| 77.5° | 63.2 | 65.7 | 67.3 | 72.7 | 102.9 | 168.9 | 283.1 | 883.4 | 926.5 | 957.0 | 1622.2 |
| 80° | 56.1 | 58.4 | 59.3 | 64.3 | 85.3 | 132.1 | 184.6 | 652.4 | 693.0 | 700.0 | 1059.5 |
| 82.5° | 47.8 | 50.1 | 50.1 | 54.9 | 69.9 | 95.0 | 121.1 | 446.9 | 455.0 | 478.4 | 748.7 |
| 85° | 38.4 | 40.3 | 40.3 | 42.7 | 54.2 | 71.0 | 83.3 | 224.4 | 222.1 | 253.5 | 648.8 |
| 87.5° | 27.5 | 28.8 | 30.2 | 30.7 | 38.6 | 47.0 | 50.1 | 68.4 | 45.0 | 51.7 | 416.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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