

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: P269781

Luminaire Tested: **GAP-AF-01-LED-U-RW-7027**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P269781  
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: GAP-AF-01-LED-U-RW-7027  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5645.5 lumens  
Efficiency: N/A  
Efficacy: 95.7 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): 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



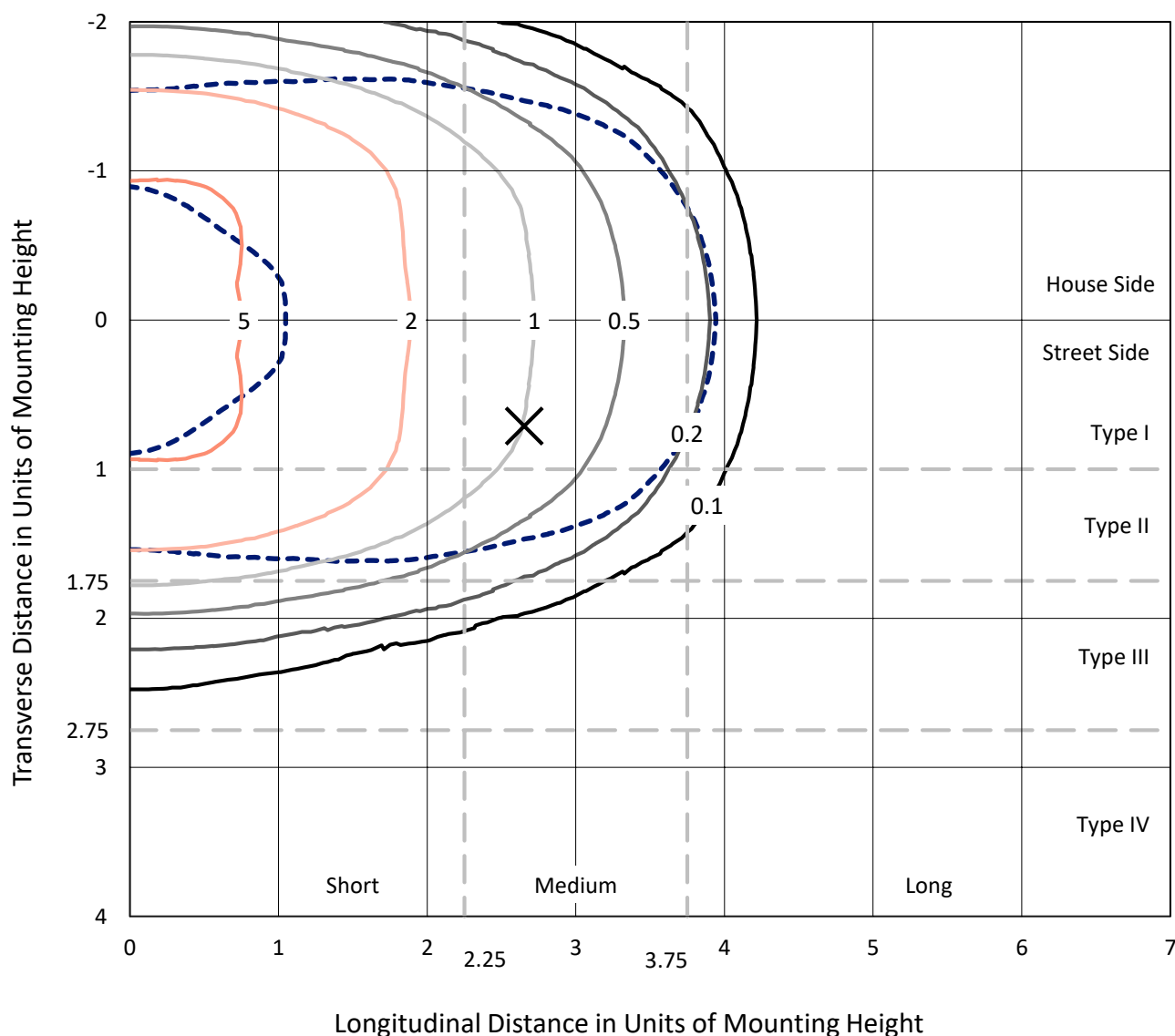
REPORT NUMBER: P269781

CATALOG NUMBER: GAP-AF-01-LED-U-RW-7027

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

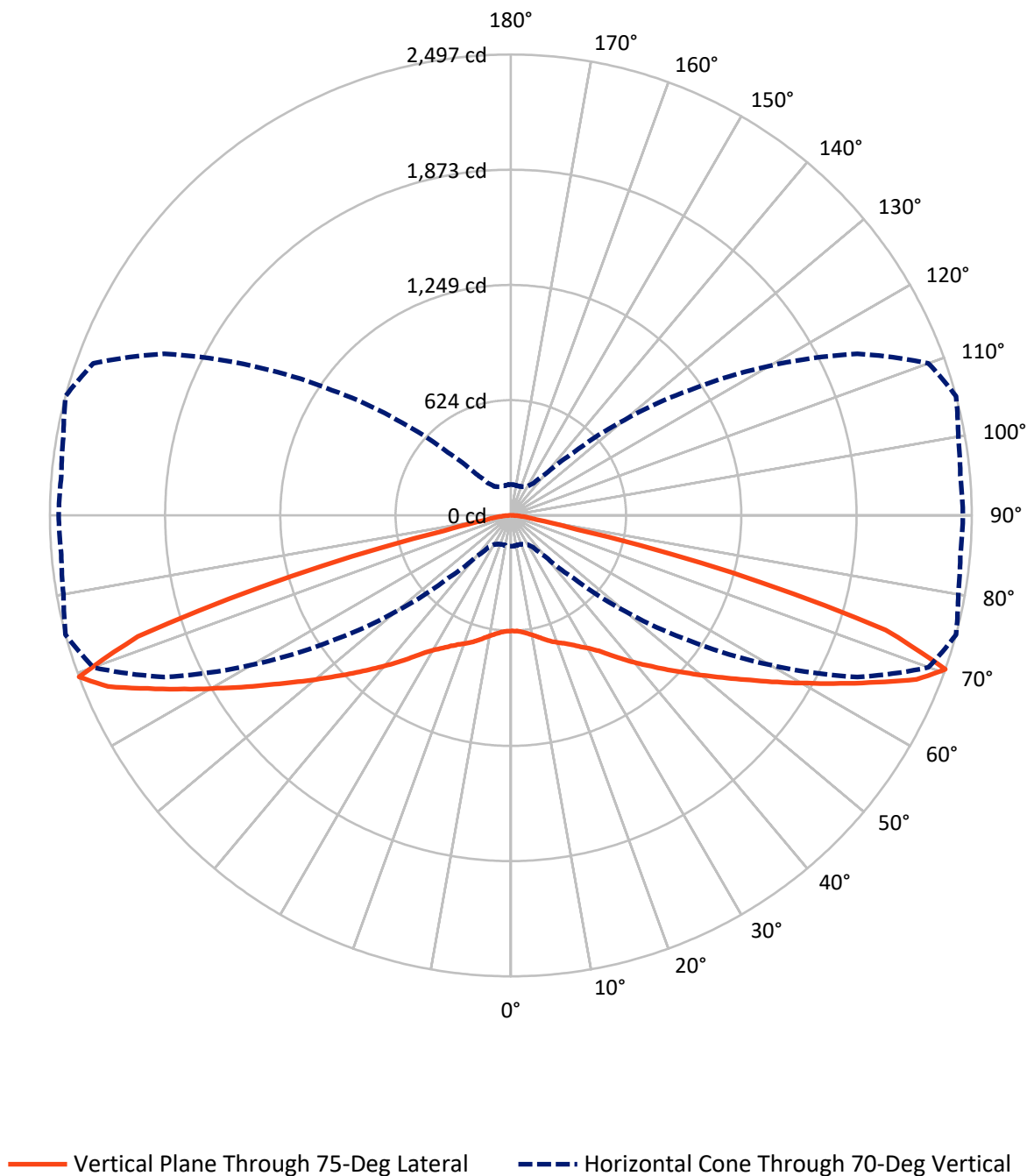


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type V - Medium - Full Cutoff

REPORT NUMBER: P269781

CATALOG NUMBER: GAP-AF-01-LED-U-RW-7027

## Luminous Intensity Polar Plot



REPORT NUMBER: P269781

CATALOG NUMBER: GAP-AF-01-LED-U-RW-7027

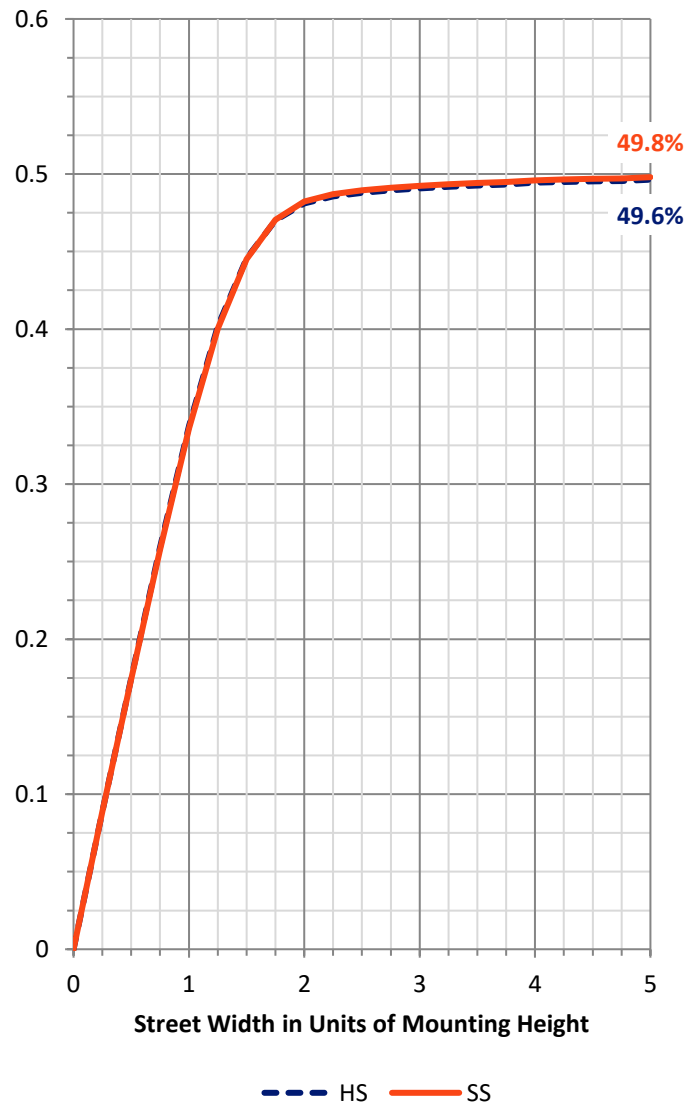
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2822.7   | 0.0    | 2822.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2822.7   | 0.0    | 2822.7 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5645.5   | 0.0    | 5645.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.1   | 1.1       |
| 10°-20°   | 186.6  | 3.3       |
| 20°-30°   | 351.2  | 6.2       |
| 30°-40°   | 622.0  | 11.0      |
| 40°-50°   | 1040.1 | 18.4      |
| 50°-60°   | 1449.4 | 25.7      |
| 60°-70°   | 1344.1 | 23.8      |
| 70°-80°   | 535.7  | 9.5       |
| 80°-90°   | 56.3   | 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°    | 5645.5 | 100.0     |
| 0°-180°   | 5645.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P269781

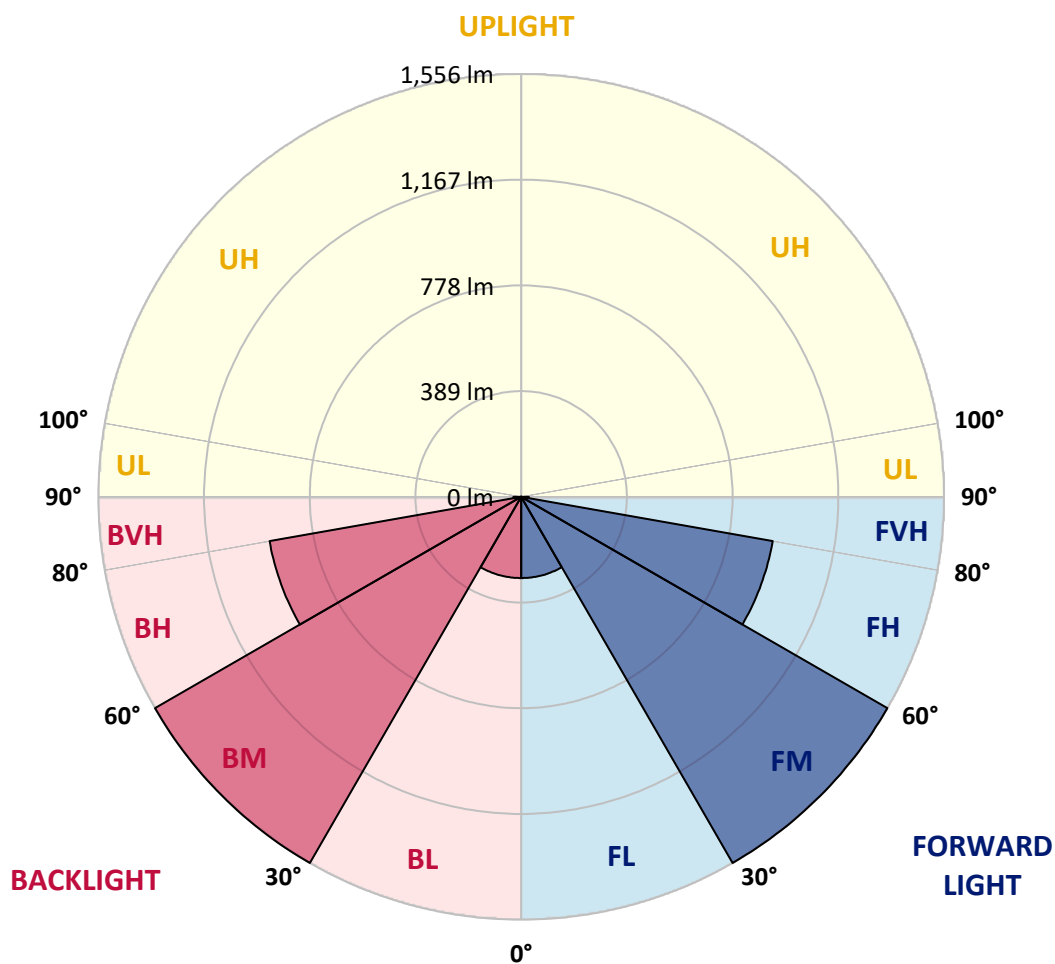
CATALOG NUMBER: GAP-AF-01-LED-U-RW-7027

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 299.0  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 1555.8 | 27.6      |                         |      |         |
| FH   | (60°-80°)   | 939.9  | 16.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 28.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 299.0  | 5.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1555.8 | 27.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 939.9  | 16.6      | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 28.2   | 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: P269781

CATALOG NUMBER: GAP-AF-01-LED-U-RW-7027

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  |
| 2.5°  | 625.1  | 624.6  | 625.1  | 625.0  | 625.4  | 625.4  | 625.9  | 626.9  | 626.9  | 627.8  | 627.6  |
| 5°    | 619.0  | 618.8  | 619.6  | 620.4  | 621.2  | 622.7  | 624.3  | 626.7  | 628.6  | 629.9  | 631.2  |
| 7.5°  | 607.1  | 607.1  | 608.1  | 609.9  | 611.8  | 615.2  | 619.0  | 623.9  | 628.6  | 632.6  | 636.1  |
| 10°   | 597.2  | 597.6  | 599.0  | 602.3  | 605.4  | 610.8  | 615.8  | 622.7  | 629.4  | 636.1  | 641.4  |
| 12.5° | 591.3  | 592.1  | 594.5  | 599.3  | 604.6  | 611.8  | 619.6  | 628.4  | 635.8  | 643.8  | 649.1  |
| 15°   | 593.2  | 593.7  | 597.2  | 603.0  | 609.9  | 619.0  | 629.4  | 639.9  | 648.7  | 657.2  | 664.3  |
| 17.5° | 603.5  | 604.3  | 608.3  | 615.0  | 622.3  | 632.9  | 644.1  | 655.9  | 666.8  | 676.3  | 685.1  |
| 20°   | 622.3  | 623.1  | 628.0  | 635.3  | 643.8  | 654.8  | 666.0  | 678.2  | 690.4  | 700.7  | 710.5  |
| 22.5° | 648.7  | 650.0  | 654.8  | 662.1  | 671.6  | 683.3  | 696.6  | 709.8  | 721.5  | 730.9  | 739.7  |
| 25°   | 683.3  | 686.2  | 690.7  | 698.8  | 708.9  | 719.6  | 734.0  | 747.4  | 758.6  | 767.3  | 773.8  |
| 27.5° | 732.4  | 736.4  | 739.8  | 747.6  | 757.5  | 767.6  | 782.1  | 793.8  | 804.4  | 813.0  | 817.7  |
| 30°   | 797.5  | 801.5  | 805.1  | 812.4  | 821.5  | 831.1  | 844.8  | 855.1  | 861.8  | 868.5  | 868.2  |
| 32.5° | 876.4  | 880.8  | 882.0  | 890.1  | 899.5  | 909.9  | 922.1  | 927.9  | 933.2  | 934.1  | 929.3  |
| 35°   | 964.8  | 966.9  | 972.2  | 982.9  | 993.6  | 1002.1 | 1013.8 | 1016.8 | 1016.8 | 1012.7 | 1002.1 |
| 37.5° | 1061.6 | 1063.0 | 1070.5 | 1082.5 | 1093.3 | 1102.2 | 1110.2 | 1116.1 | 1113.2 | 1104.6 | 1086.7 |
| 40°   | 1167.8 | 1170.2 | 1180.9 | 1191.6 | 1203.9 | 1212.2 | 1220.6 | 1221.8 | 1218.8 | 1206.2 | 1182.0 |
| 42.5° | 1269.2 | 1271.5 | 1282.1 | 1298.9 | 1314.8 | 1326.3 | 1334.3 | 1336.0 | 1326.5 | 1315.1 | 1284.9 |
| 45°   | 1356.5 | 1362.1 | 1375.9 | 1395.6 | 1419.0 | 1435.2 | 1446.1 | 1450.7 | 1442.4 | 1427.4 | 1392.6 |
| 47.5° | 1425.6 | 1431.2 | 1450.9 | 1474.4 | 1503.3 | 1529.6 | 1547.8 | 1557.4 | 1555.2 | 1544.0 | 1505.9 |
| 50°   | 1476.3 | 1481.7 | 1503.0 | 1531.8 | 1565.3 | 1598.3 | 1629.2 | 1652.2 | 1660.1 | 1655.0 | 1620.2 |
| 52.5° | 1482.2 | 1490.9 | 1516.0 | 1554.7 | 1598.5 | 1643.3 | 1687.3 | 1726.4 | 1752.8 | 1756.7 | 1730.9 |
| 55°   | 1400.3 | 1409.0 | 1443.8 | 1501.1 | 1566.3 | 1639.2 | 1709.7 | 1775.4 | 1827.4 | 1854.1 | 1840.4 |
| 57.5° | 1207.1 | 1222.9 | 1259.3 | 1326.5 | 1422.3 | 1531.8 | 1644.1 | 1760.7 | 1866.7 | 1937.4 | 1950.9 |
| 60°   | 925.1  | 943.7  | 980.5  | 1052.0 | 1158.8 | 1289.2 | 1439.3 | 1611.6 | 1798.5 | 1957.6 | 2052.5 |
| 62.5° | 593.4  | 610.9  | 649.7  | 711.8  | 798.9  | 940.3  | 1101.1 | 1305.7 | 1557.1 | 1808.2 | 2034.5 |
| 65°   | 305.0  | 314.5  | 334.9  | 372.4  | 440.3  | 545.9  | 690.3  | 894.4  | 1181.7 | 1491.5 | 1818.6 |
| 67.5° | 193.1  | 195.0  | 199.6  | 205.0  | 222.3  | 258.8  | 326.1  | 453.4  | 689.7  | 1012.7 | 1395.6 |
| 70°   | 167.1  | 167.1  | 164.8  | 164.1  | 166.2  | 171.2  | 181.6  | 211.3  | 291.1  | 480.9  | 805.1  |
| 72.5° | 152.9  | 151.3  | 147.5  | 144.5  | 144.1  | 144.1  | 146.2  | 150.7  | 163.5  | 195.8  | 315.1  |
| 75°   | 140.9  | 136.4  | 131.2  | 127.7  | 126.5  | 125.1  | 124.9  | 125.7  | 128.4  | 133.4  | 150.5  |
| 77.5° | 126.2  | 120.4  | 114.4  | 111.0  | 109.5  | 107.5  | 105.9  | 104.1  | 102.8  | 104.4  | 111.7  |
| 80°   | 108.5  | 101.9  | 97.3   | 95.3   | 93.7   | 91.0   | 87.6   | 84.4   | 81.3   | 80.8   | 85.3   |
| 82.5° | 87.6   | 79.8   | 80.0   | 80.8   | 78.0   | 74.2   | 70.4   | 67.0   | 62.0   | 59.3   | 62.0   |
| 85°   | 70.6   | 66.7   | 64.9   | 69.9   | 65.7   | 60.0   | 54.2   | 48.0   | 40.1   | 33.6   | 36.6   |
| 87.5° | 27.5   | 27.5   | 41.1   | 63.2   | 56.9   | 46.4   | 39.7   | 33.9   | 21.1   | 16.3   | 16.6   |
| 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: P269781

CATALOG NUMBER: GAP-AF-01-LED-U-RW-7027

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  | 626.2  |
| 2.5°  | 627.2  | 627.8  | 627.6  | 627.2  | 627.2  | 626.9  | 627.2  | 627.2  |
| 5°    | 632.0  | 633.5  | 633.5  | 633.9  | 633.9  | 634.3  | 634.6  | 634.3  |
| 7.5°  | 639.4  | 641.7  | 643.2  | 645.2  | 645.4  | 645.7  | 646.2  | 645.7  |
| 10°   | 646.5  | 651.4  | 654.8  | 658.3  | 659.9  | 660.3  | 661.0  | 661.0  |
| 12.5° | 655.6  | 662.2  | 668.3  | 674.4  | 677.4  | 679.1  | 679.1  | 680.0  |
| 15°   | 670.6  | 677.2  | 684.4  | 692.7  | 697.8  | 700.4  | 701.1  | 701.1  |
| 17.5° | 691.5  | 697.4  | 703.6  | 711.5  | 717.9  | 721.5  | 722.2  | 722.0  |
| 20°   | 716.0  | 721.8  | 725.2  | 730.3  | 735.9  | 739.8  | 740.9  | 740.9  |
| 22.5° | 744.2  | 747.4  | 747.8  | 749.5  | 753.9  | 759.3  | 761.8  | 762.3  |
| 25°   | 775.1  | 775.9  | 773.8  | 773.8  | 776.8  | 781.7  | 784.2  | 784.4  |
| 27.5° | 815.1  | 811.1  | 805.8  | 804.0  | 805.8  | 811.7  | 814.7  | 815.7  |
| 30°   | 865.0  | 855.4  | 843.1  | 836.4  | 835.5  | 843.1  | 848.4  | 849.3  |
| 32.5° | 922.1  | 908.2  | 891.9  | 878.4  | 874.9  | 879.7  | 886.1  | 885.8  |
| 35°   | 989.9  | 973.4  | 953.6  | 936.3  | 928.3  | 933.1  | 942.1  | 943.2  |
| 37.5° | 1068.1 | 1046.4 | 1023.8 | 1001.9 | 989.4  | 990.7  | 1000.4 | 1003.4 |
| 40°   | 1155.3 | 1127.4 | 1098.7 | 1069.4 | 1051.6 | 1048.1 | 1059.8 | 1061.6 |
| 42.5° | 1248.7 | 1212.7 | 1176.7 | 1140.4 | 1117.4 | 1112.1 | 1125.7 | 1124.9 |
| 45°   | 1348.3 | 1302.4 | 1260.1 | 1220.2 | 1192.9 | 1185.0 | 1196.2 | 1196.2 |
| 47.5° | 1455.3 | 1398.7 | 1348.4 | 1303.1 | 1273.4 | 1261.9 | 1272.7 | 1273.4 |
| 50°   | 1568.6 | 1508.6 | 1449.7 | 1399.2 | 1363.6 | 1349.1 | 1362.9 | 1365.1 |
| 52.5° | 1681.4 | 1623.1 | 1563.5 | 1505.9 | 1463.0 | 1445.1 | 1461.1 | 1468.0 |
| 55°   | 1795.9 | 1738.6 | 1681.7 | 1625.5 | 1574.5 | 1553.3 | 1570.4 | 1579.3 |
| 57.5° | 1916.9 | 1863.8 | 1809.5 | 1752.8 | 1703.6 | 1670.8 | 1689.0 | 1700.8 |
| 60°   | 2058.5 | 2013.1 | 1956.8 | 1894.2 | 1844.5 | 1811.2 | 1821.6 | 1832.0 |
| 62.5° | 2170.6 | 2188.1 | 2140.4 | 2067.8 | 2004.1 | 1961.4 | 1971.5 | 1982.4 |
| 65°   | 2116.3 | 2297.1 | 2339.5 | 2266.1 | 2177.8 | 2111.2 | 2107.1 | 2112.6 |
| 67.5° | 1769.0 | 2119.8 | 2375.7 | 2445.6 | 2371.7 | 2279.4 | 2262.3 | 2270.6 |
| 70°   | 1183.3 | 1620.4 | 2071.9 | 2407.9 | 2497.4 | 2461.6 | 2444.8 | 2449.9 |
| 72.5° | 568.3  | 943.7  | 1405.6 | 1852.6 | 2124.6 | 2249.5 | 2289.5 | 2309.1 |
| 75°   | 207.9  | 374.7  | 677.4  | 1020.8 | 1232.5 | 1426.7 | 1553.3 | 1605.1 |
| 77.5° | 125.5  | 151.3  | 216.4  | 325.7  | 369.1  | 413.0  | 396.0  | 404.4  |
| 80°   | 92.9   | 104.8  | 118.8  | 133.4  | 138.2  | 138.2  | 132.9  | 128.5  |
| 82.5° | 65.0   | 72.9   | 79.5   | 87.6   | 89.7   | 85.7   | 70.4   | 56.1   |
| 85°   | 42.0   | 45.4   | 48.2   | 53.4   | 52.0   | 49.6   | 33.3   | 29.6   |
| 87.5° | 19.3   | 21.9   | 22.9   | 25.3   | 24.3   | 23.3   | 16.6   | 13.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)