

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: P298916

Luminaire Tested: **GAA-AF-01-LED-U-SLL-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P191289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAA-AF-01-LED-U-SLL-7030-800
Description: GALLEONAIRE AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K CCT 800mA LIGHTSQUARE WITH 16 LEDS EACH AND 90° Spill
Light Eliminator Left OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4266 lumens
Efficiency: N/A
Efficacy: 97.0 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

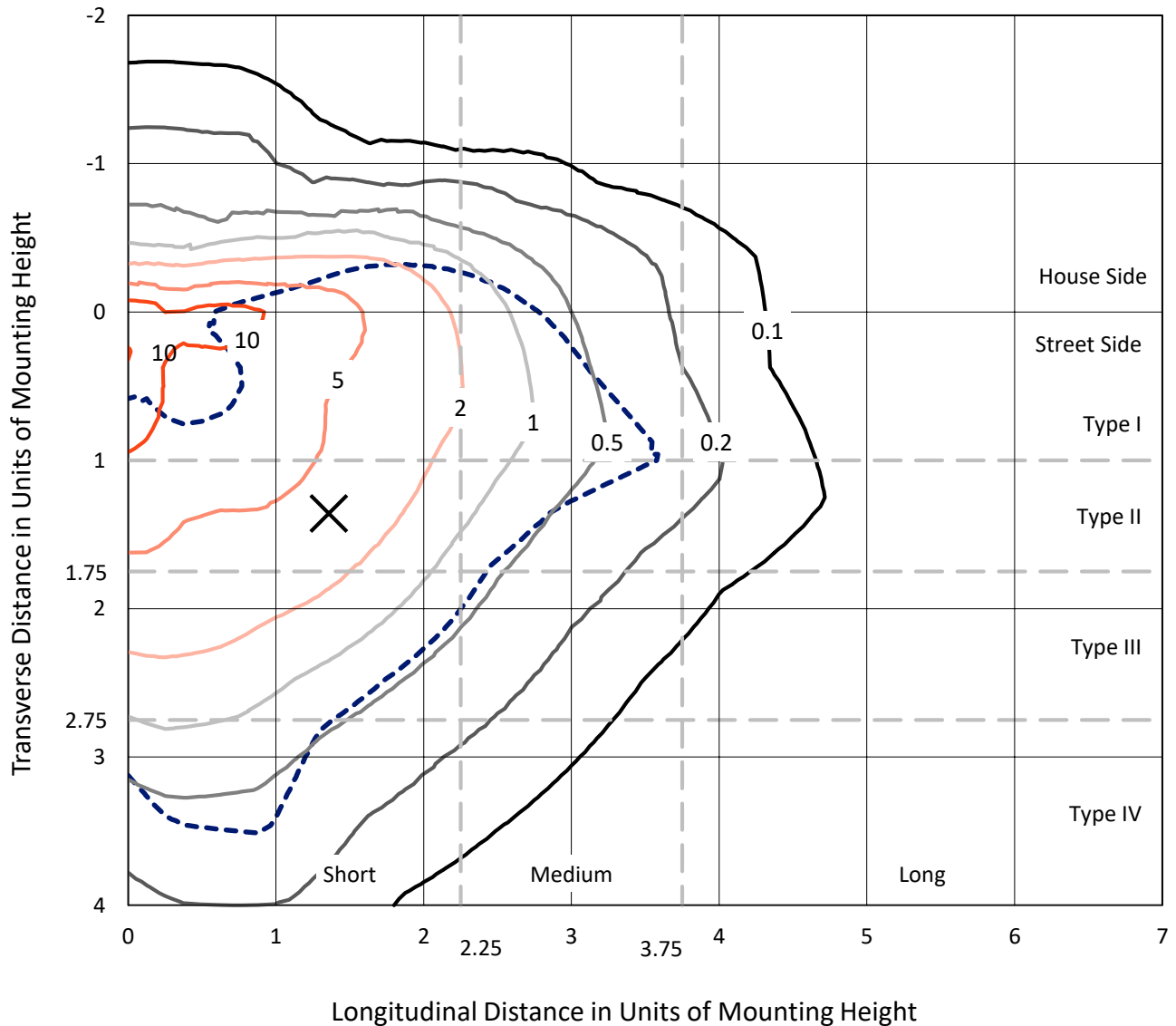
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P298916
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Iso-Footcandle Lines of Horizontal Illumination

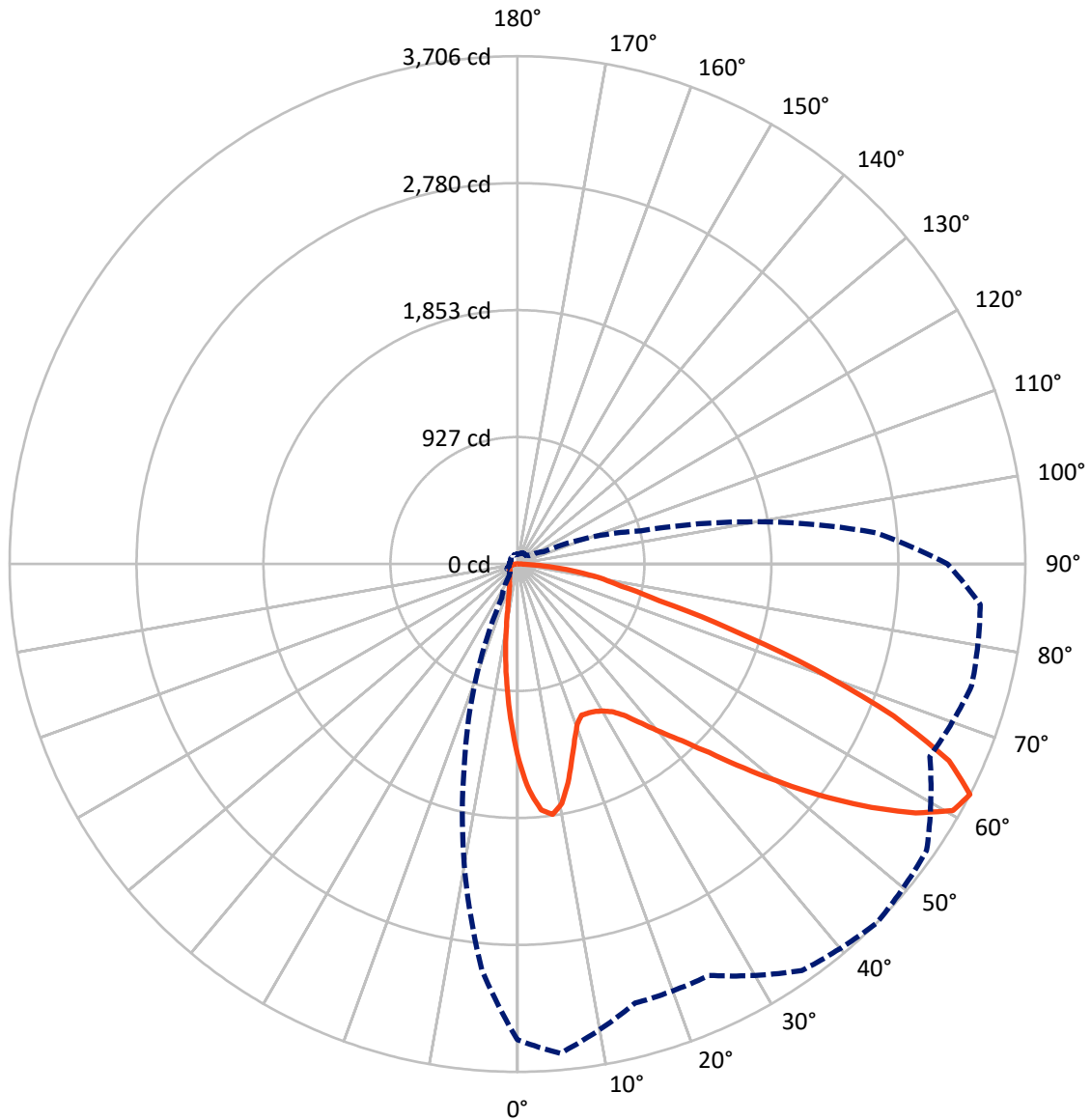
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 706.0 | 0.0 | 706.0 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 3560.0 | 0.0 | 3560.0 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 4266.0 | 0.0 | 4266.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 104.9 | 2.5 |
| 10°-20° | 192.4 | 4.5 |
| 20°-30° | 280.5 | 6.6 |
| 30°-40° | 432.0 | 10.1 |
| 40°-50° | 635.8 | 14.9 |
| 50°-60° | 932.6 | 21.9 |
| 60°-70° | 1042.5 | 24.4 |
| 70°-80° | 510.4 | 12.0 |
| 80°-90° | 134.8 | 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° | 4266.0 | 100.0 |
| 0°-180° | 4266.0 | 100.0 |



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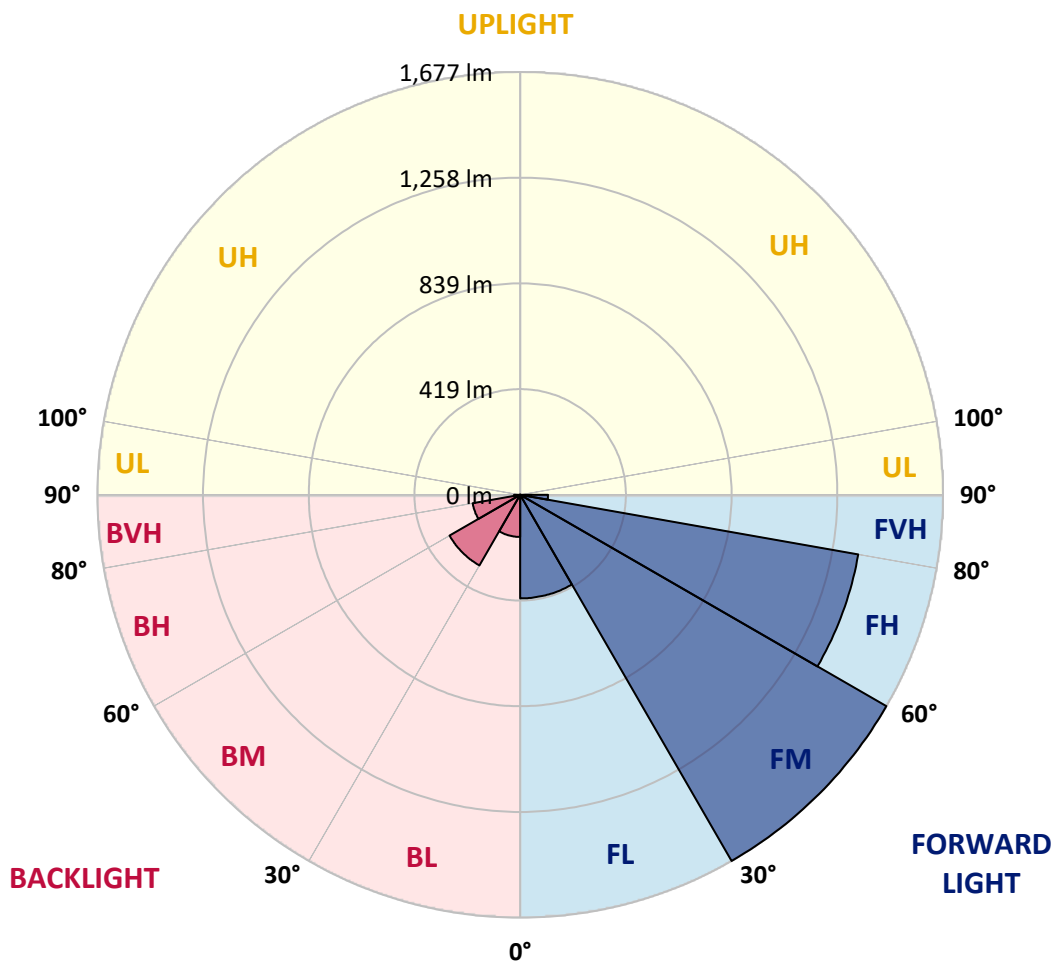
CATALOG NUMBER: GAA-AF-01-LED-U-SLL-7030-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 410.8 | 9.6 | | | |
| FM | (30°-60°) | 1677.0 | 39.3 | | | |
| FH | (60°-80°) | 1361.6 | 31.9 | | | G1/1800 |
| FVH | (80°-90°) | 110.7 | 2.6 | | | G2/225 |
| BL | (0°-30°) | 167.0 | 3.9 | B1/500 | | |
| BM | (30°-60°) | 323.5 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 191.4 | 4.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 24.1 | 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





REPORT NUMBER: P298916
 CATALOG NUMBER: GAA-AF-01-LED-U-SLL-7030-800

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 |
| 2.5° | 1497.5 | 1521.5 | 1568.2 | 1603.0 | 1645.6 | 1655.4 | 1669.0 | 1655.6 | 1632.0 | 1600.5 | 1590.2 |
| 5° | 1408.2 | 1459.4 | 1572.6 | 1672.3 | 1760.9 | 1802.2 | 1813.7 | 1779.6 | 1711.0 | 1620.7 | 1565.6 |
| 7.5° | 1264.9 | 1337.6 | 1491.0 | 1637.8 | 1768.4 | 1845.6 | 1843.7 | 1764.6 | 1638.3 | 1491.2 | 1402.8 |
| 10° | 1141.3 | 1224.4 | 1400.3 | 1564.4 | 1703.0 | 1777.8 | 1748.9 | 1647.9 | 1497.1 | 1327.7 | 1231.9 |
| 12.5° | 1072.2 | 1153.6 | 1332.0 | 1496.8 | 1612.7 | 1638.5 | 1616.4 | 1517.5 | 1375.3 | 1204.2 | 1120.2 |
| 15° | 1060.2 | 1149.6 | 1304.8 | 1439.0 | 1503.9 | 1481.4 | 1455.1 | 1410.8 | 1310.4 | 1164.3 | 1076.8 |
| 17.5° | 1112.1 | 1210.5 | 1336.0 | 1398.6 | 1387.6 | 1348.4 | 1340.9 | 1345.9 | 1321.7 | 1208.6 | 1107.8 |
| 20° | 1211.5 | 1329.7 | 1410.3 | 1379.7 | 1299.2 | 1245.2 | 1247.1 | 1322.4 | 1393.9 | 1321.0 | 1205.8 |
| 22.5° | 1351.0 | 1485.9 | 1517.5 | 1389.7 | 1261.9 | 1197.9 | 1213.4 | 1335.4 | 1509.1 | 1485.2 | 1338.1 |
| 25° | 1531.5 | 1654.5 | 1631.7 | 1426.3 | 1265.6 | 1203.7 | 1216.1 | 1379.9 | 1645.0 | 1649.3 | 1501.9 |
| 27.5° | 1706.5 | 1820.5 | 1727.6 | 1474.8 | 1281.2 | 1217.6 | 1234.0 | 1449.9 | 1775.0 | 1827.5 | 1689.0 |
| 30° | 1843.0 | 1922.3 | 1765.6 | 1519.1 | 1311.6 | 1244.5 | 1264.9 | 1516.5 | 1834.2 | 1947.8 | 1832.9 |
| 32.5° | 1956.0 | 2013.0 | 1826.1 | 1574.0 | 1367.6 | 1286.9 | 1322.9 | 1597.5 | 1919.3 | 2062.3 | 1973.8 |
| 35° | 2100.4 | 2116.7 | 1901.4 | 1635.2 | 1454.2 | 1360.9 | 1405.4 | 1676.7 | 2000.4 | 2177.9 | 2112.7 |
| 37.5° | 2269.8 | 2249.0 | 1972.4 | 1719.0 | 1566.1 | 1476.4 | 1513.3 | 1763.7 | 2067.2 | 2309.0 | 2254.5 |
| 40° | 2437.2 | 2387.0 | 2061.6 | 1848.8 | 1729.3 | 1612.7 | 1656.3 | 1856.6 | 2129.6 | 2440.3 | 2393.2 |
| 42.5° | 2579.6 | 2505.2 | 2149.5 | 1991.7 | 1881.2 | 1763.0 | 1815.1 | 1950.2 | 2189.1 | 2552.3 | 2513.4 |
| 45° | 2684.9 | 2592.5 | 2233.2 | 2128.8 | 2090.6 | 1962.8 | 1987.5 | 2057.3 | 2253.6 | 2646.0 | 2612.4 |
| 47.5° | 2778.9 | 2680.2 | 2327.9 | 2267.2 | 2273.8 | 2222.6 | 2183.0 | 2182.1 | 2329.7 | 2722.4 | 2706.0 |
| 50° | 2904.8 | 2801.9 | 2429.7 | 2409.8 | 2548.6 | 2514.6 | 2427.1 | 2327.7 | 2425.7 | 2809.2 | 2807.3 |
| 52.5° | 3078.4 | 2994.7 | 2554.0 | 2563.4 | 2805.2 | 2827.5 | 2719.1 | 2502.7 | 2576.2 | 2968.4 | 2957.2 |
| 55° | 3283.6 | 3234.8 | 2723.4 | 2740.0 | 3119.9 | 3135.9 | 3028.1 | 2721.4 | 2797.7 | 3199.0 | 3167.8 |
| 57.5° | 3443.7 | 3433.4 | 2909.1 | 2952.0 | 3354.9 | 3426.7 | 3327.7 | 2974.8 | 3047.2 | 3393.1 | 3314.8 |
| 60° | 3507.5 | 3557.5 | 3106.8 | 3165.9 | 3572.3 | 3651.7 | 3565.0 | 3197.2 | 3268.3 | 3473.6 | 3304.7 |
| 62.5° | 3473.1 | 3584.6 | 3317.4 | 3312.4 | 3620.8 | 3706.4 | 3645.4 | 3321.1 | 3432.3 | 3390.5 | 3137.5 |
| 65° | 3313.8 | 3486.9 | 3439.5 | 3274.6 | 3454.8 | 3461.8 | 3442.0 | 3265.7 | 3471.0 | 3128.1 | 2814.3 |
| 67.5° | 2966.9 | 3216.0 | 3278.6 | 2951.1 | 3006.8 | 2961.1 | 2928.0 | 2962.7 | 3269.2 | 2734.8 | 2365.2 |
| 70° | 2416.6 | 2791.4 | 2821.3 | 2360.3 | 2335.0 | 2304.2 | 2238.4 | 2429.0 | 2871.3 | 2241.4 | 1876.8 |
| 72.5° | 1776.9 | 2170.9 | 2263.0 | 1731.1 | 1613.9 | 1620.2 | 1568.2 | 1830.5 | 2334.5 | 1665.0 | 1401.2 |
| 75° | 1215.7 | 1571.9 | 1770.6 | 1207.9 | 1067.3 | 1069.8 | 1063.2 | 1297.1 | 1859.4 | 1158.2 | 1048.5 |
| 77.5° | 888.1 | 1123.0 | 1335.4 | 812.1 | 788.4 | 773.8 | 770.3 | 907.5 | 1425.6 | 841.0 | 814.2 |
| 80° | 712.6 | 829.7 | 896.9 | 562.8 | 605.2 | 604.1 | 584.6 | 624.0 | 931.0 | 615.1 | 608.9 |
| 82.5° | 494.4 | 637.6 | 726.7 | 441.1 | 408.5 | 401.7 | 406.4 | 464.8 | 658.0 | 420.5 | 399.8 |
| 85° | 260.8 | 423.5 | 719.7 | 390.9 | 242.5 | 193.4 | 240.6 | 380.6 | 570.1 | 222.8 | 195.0 |
| 87.5° | 33.3 | 122.4 | 476.5 | 156.0 | 95.7 | 51.5 | 114.3 | 214.3 | 366.1 | 45.4 | 39.7 |
| 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: GAA-AF-01-LED-U-SLL-7030-800

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 |
| 2.5° | 1563.7 | 1532.5 | 1491.7 | 1453.9 | 1414.8 | 1375.8 | 1324.9 | 1293.0 | 1271.0 | 1266.8 | 1257.5 |
| 5° | 1525.8 | 1422.1 | 1343.7 | 1276.0 | 1214.5 | 1127.7 | 1079.6 | 1039.8 | 1018.4 | 1016.4 | 1011.2 |
| 7.5° | 1350.5 | 1207.5 | 1101.7 | 1005.8 | 918.8 | 848.7 | 771.3 | 735.2 | 720.4 | 723.9 | 727.4 |
| 10° | 1168.3 | 1008.4 | 886.9 | 788.8 | 712.2 | 653.1 | 591.0 | 549.0 | 519.9 | 514.0 | 512.9 |
| 12.5° | 1035.1 | 859.7 | 741.8 | 672.5 | 613.3 | 557.6 | 491.8 | 442.2 | 404.5 | 391.6 | 383.0 |
| 15° | 978.8 | 787.0 | 663.5 | 588.8 | 523.4 | 452.8 | 391.6 | 339.8 | 305.1 | 293.9 | 287.5 |
| 17.5° | 990.8 | 766.8 | 609.5 | 514.0 | 430.4 | 356.7 | 279.5 | 235.2 | 214.3 | 209.0 | 209.0 |
| 20° | 1053.7 | 763.1 | 564.9 | 445.1 | 340.7 | 255.3 | 192.1 | 166.7 | 159.9 | 159.3 | 161.1 |
| 22.5° | 1141.8 | 776.3 | 531.7 | 385.4 | 264.8 | 186.4 | 149.6 | 140.2 | 137.2 | 137.9 | 140.0 |
| 25° | 1273.2 | 820.6 | 507.5 | 332.1 | 207.8 | 152.6 | 133.4 | 127.8 | 126.4 | 128.3 | 130.9 |
| 27.5° | 1428.8 | 864.9 | 492.5 | 292.0 | 175.4 | 139.5 | 126.8 | 121.0 | 122.0 | 124.3 | 126.6 |
| 30° | 1565.6 | 901.3 | 468.8 | 263.4 | 165.3 | 140.2 | 126.8 | 118.9 | 118.0 | 118.5 | 119.1 |
| 32.5° | 1688.3 | 925.9 | 441.1 | 236.1 | 142.6 | 124.5 | 118.5 | 117.3 | 112.1 | 110.2 | 110.5 |
| 35° | 1794.0 | 925.9 | 424.5 | 220.2 | 127.8 | 110.5 | 100.6 | 94.8 | 92.1 | 92.3 | 95.0 |
| 37.5° | 1896.0 | 907.3 | 416.3 | 211.3 | 119.8 | 105.1 | 96.4 | 91.2 | 87.7 | 87.0 | 87.5 |
| 40° | 1986.0 | 880.3 | 406.9 | 207.5 | 113.7 | 101.8 | 93.6 | 89.3 | 85.6 | 84.4 | 84.7 |
| 42.5° | 2058.3 | 858.5 | 396.6 | 202.7 | 109.9 | 99.4 | 91.7 | 87.9 | 83.7 | 82.5 | 82.3 |
| 45° | 2136.4 | 851.3 | 383.0 | 192.8 | 111.8 | 99.7 | 91.2 | 87.2 | 83.0 | 81.6 | 81.2 |
| 47.5° | 2239.3 | 874.0 | 368.9 | 181.0 | 115.9 | 100.9 | 91.9 | 87.2 | 82.8 | 81.6 | 81.2 |
| 50° | 2368.9 | 927.5 | 351.0 | 163.9 | 111.8 | 104.1 | 91.7 | 86.5 | 82.8 | 81.6 | 80.7 |
| 52.5° | 2535.5 | 999.7 | 327.7 | 144.3 | 109.5 | 112.1 | 91.2 | 85.1 | 81.6 | 80.0 | 78.3 |
| 55° | 2737.9 | 1058.8 | 299.6 | 128.0 | 104.1 | 109.9 | 90.5 | 83.5 | 79.8 | 77.4 | 76.0 |
| 57.5° | 2886.1 | 1080.1 | 263.9 | 117.5 | 96.6 | 106.4 | 89.5 | 81.4 | 77.4 | 75.5 | 73.7 |
| 60° | 2856.8 | 1038.8 | 233.6 | 110.9 | 92.1 | 96.1 | 88.8 | 79.5 | 75.3 | 73.9 | 72.2 |
| 62.5° | 2622.1 | 931.0 | 214.1 | 107.9 | 89.3 | 87.7 | 89.5 | 77.7 | 73.5 | 71.9 | 71.5 |
| 65° | 2270.1 | 771.7 | 206.4 | 107.2 | 87.0 | 82.8 | 83.3 | 75.5 | 71.3 | 70.1 | 69.7 |
| 67.5° | 1872.5 | 622.9 | 199.6 | 109.5 | 84.0 | 79.2 | 77.0 | 72.7 | 69.1 | 68.0 | 67.1 |
| 70° | 1476.7 | 518.1 | 196.5 | 108.1 | 80.2 | 75.7 | 73.2 | 69.7 | 66.6 | 65.4 | 64.7 |
| 72.5° | 1189.1 | 437.6 | 194.8 | 106.7 | 75.3 | 71.0 | 68.7 | 65.6 | 62.3 | 61.9 | 61.2 |
| 75° | 1006.3 | 344.0 | 178.5 | 102.2 | 69.7 | 65.4 | 63.8 | 61.0 | 57.7 | 57.7 | 57.2 |
| 77.5° | 776.3 | 248.8 | 148.4 | 90.5 | 63.8 | 59.1 | 57.7 | 55.6 | 51.8 | 52.5 | 52.3 |
| 80° | 573.4 | 162.3 | 116.1 | 75.1 | 56.6 | 52.1 | 51.3 | 49.3 | 45.2 | 46.2 | 46.2 |
| 82.5° | 392.8 | 106.4 | 83.5 | 61.4 | 48.3 | 44.1 | 44.1 | 41.9 | 37.5 | 38.0 | 39.4 |
| 85° | 197.2 | 73.2 | 62.3 | 47.6 | 37.5 | 35.4 | 35.4 | 33.8 | 29.3 | 29.5 | 31.4 |
| 87.5° | 60.1 | 44.1 | 41.3 | 34.0 | 26.9 | 26.5 | 25.3 | 24.1 | 21.3 | 21.1 | 22.3 |
| 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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CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 |
| 2.5° | 1243.1 | 1229.7 | 1213.6 | 1177.9 | 1166.0 | 1165.2 | 1176.1 | 1164.8 | 1186.4 | 1177.2 | 1187.3 |
| 5° | 1002.5 | 989.4 | 971.3 | 925.9 | 898.2 | 879.4 | 870.5 | 844.3 | 863.2 | 849.4 | 860.9 |
| 7.5° | 737.3 | 740.3 | 728.4 | 701.7 | 641.4 | 611.2 | 593.3 | 577.4 | 591.2 | 589.8 | 611.8 |
| 10° | 518.3 | 526.4 | 518.1 | 491.1 | 442.2 | 425.6 | 428.9 | 435.2 | 453.3 | 462.6 | 496.7 |
| 12.5° | 373.1 | 372.6 | 367.2 | 343.1 | 311.0 | 312.8 | 326.2 | 337.2 | 353.8 | 363.7 | 398.4 |
| 15° | 278.6 | 274.4 | 272.0 | 252.3 | 234.0 | 238.1 | 244.6 | 245.7 | 256.3 | 262.2 | 290.4 |
| 17.5° | 210.6 | 212.7 | 215.2 | 201.2 | 187.4 | 184.8 | 179.7 | 173.3 | 176.4 | 177.5 | 191.5 |
| 20° | 167.2 | 175.6 | 182.0 | 172.1 | 158.1 | 150.5 | 144.0 | 139.8 | 139.8 | 139.5 | 143.5 |
| 22.5° | 146.1 | 152.2 | 159.0 | 152.2 | 139.5 | 132.9 | 129.2 | 125.9 | 125.5 | 125.5 | 129.2 |
| 25° | 134.7 | 139.1 | 145.6 | 141.0 | 131.5 | 126.6 | 123.1 | 118.9 | 117.3 | 116.8 | 119.4 |
| 27.5° | 129.0 | 130.9 | 134.1 | 129.9 | 122.0 | 119.6 | 118.7 | 115.0 | 112.7 | 111.6 | 114.3 |
| 30° | 119.4 | 118.9 | 119.1 | 115.0 | 108.6 | 108.3 | 109.9 | 110.7 | 109.9 | 109.7 | 113.7 |
| 32.5° | 110.5 | 109.5 | 109.2 | 105.5 | 99.7 | 98.3 | 99.7 | 101.1 | 102.7 | 105.1 | 109.7 |
| 35° | 99.2 | 101.6 | 102.9 | 99.7 | 92.6 | 88.4 | 86.8 | 84.2 | 82.8 | 82.8 | 88.2 |
| 37.5° | 90.3 | 95.7 | 97.8 | 94.8 | 87.0 | 81.2 | 78.3 | 77.9 | 78.1 | 79.0 | 84.2 |
| 40° | 87.2 | 91.2 | 93.0 | 90.1 | 82.3 | 77.0 | 75.3 | 74.8 | 75.3 | 76.7 | 81.8 |
| 42.5° | 85.3 | 88.2 | 87.9 | 84.2 | 77.9 | 74.1 | 73.2 | 72.7 | 73.2 | 74.6 | 80.2 |
| 45° | 83.7 | 85.6 | 83.7 | 79.2 | 73.5 | 71.5 | 71.7 | 71.5 | 71.9 | 73.5 | 78.8 |
| 47.5° | 82.3 | 83.0 | 80.7 | 76.2 | 70.1 | 69.7 | 70.6 | 71.3 | 71.7 | 73.0 | 78.6 |
| 50° | 80.2 | 80.2 | 78.1 | 73.5 | 67.3 | 67.5 | 68.7 | 70.3 | 70.6 | 71.9 | 76.5 |
| 52.5° | 77.7 | 77.4 | 76.0 | 71.5 | 64.9 | 65.6 | 65.6 | 67.5 | 68.0 | 69.7 | 74.4 |
| 55° | 75.5 | 75.1 | 74.4 | 70.1 | 62.9 | 64.0 | 63.3 | 64.0 | 65.2 | 66.8 | 71.9 |
| 57.5° | 73.7 | 72.7 | 72.7 | 68.9 | 61.2 | 61.7 | 60.1 | 61.0 | 62.3 | 63.8 | 69.1 |
| 60° | 71.7 | 70.8 | 71.3 | 67.3 | 58.6 | 58.2 | 57.5 | 59.3 | 59.8 | 61.4 | 66.8 |
| 62.5° | 69.7 | 68.9 | 69.1 | 65.4 | 56.8 | 55.6 | 55.6 | 57.2 | 57.5 | 59.8 | 64.9 |
| 65° | 68.0 | 67.1 | 66.8 | 63.6 | 54.7 | 53.3 | 54.0 | 54.7 | 55.1 | 57.5 | 62.3 |
| 67.5° | 66.4 | 64.5 | 64.5 | 61.9 | 52.3 | 50.9 | 52.3 | 52.1 | 52.8 | 54.9 | 58.8 |
| 70° | 64.3 | 61.7 | 61.9 | 60.8 | 49.9 | 48.3 | 49.5 | 49.3 | 49.7 | 51.1 | 55.1 |
| 72.5° | 61.0 | 58.8 | 59.3 | 58.8 | 47.6 | 45.2 | 45.7 | 45.7 | 45.7 | 46.9 | 51.1 |
| 75° | 56.8 | 55.1 | 56.6 | 57.7 | 44.8 | 41.5 | 41.9 | 41.9 | 41.3 | 41.9 | 47.1 |
| 77.5° | 51.5 | 50.6 | 55.3 | 53.7 | 41.5 | 37.5 | 37.5 | 37.1 | 35.7 | 36.6 | 42.2 |
| 80° | 46.0 | 45.2 | 51.1 | 45.0 | 37.8 | 32.7 | 32.1 | 30.9 | 29.5 | 30.2 | 35.9 |
| 82.5° | 40.1 | 39.4 | 42.9 | 34.5 | 32.7 | 26.9 | 25.8 | 23.7 | 22.3 | 23.0 | 28.1 |
| 85° | 32.9 | 32.9 | 33.1 | 26.0 | 24.8 | 20.6 | 19.3 | 16.4 | 14.8 | 15.2 | 20.2 |
| 87.5° | 23.4 | 24.1 | 22.3 | 17.8 | 14.8 | 11.5 | 10.6 | 8.9 | 7.5 | 8.7 | 10.6 |
| 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: GAA-AF-01-LED-U-SLL-7030-800

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 | 1441.3 |
| 2.5° | 1238.9 | 1264.7 | 1294.0 | 1331.5 | 1363.7 | 1416.4 | 1467.1 | 1497.5 |
| 5° | 926.3 | 969.3 | 1022.6 | 1091.4 | 1155.5 | 1251.5 | 1347.0 | 1408.2 |
| 7.5° | 662.9 | 708.9 | 766.6 | 852.4 | 943.0 | 1065.6 | 1191.8 | 1264.9 |
| 10° | 548.6 | 595.7 | 644.2 | 702.1 | 776.3 | 909.7 | 1058.8 | 1141.3 |
| 12.5° | 453.8 | 504.2 | 556.5 | 617.5 | 686.1 | 805.3 | 977.2 | 1072.2 |
| 15° | 347.3 | 403.6 | 465.2 | 542.4 | 628.4 | 766.2 | 957.0 | 1060.2 |
| 17.5° | 238.1 | 300.9 | 376.6 | 471.8 | 577.1 | 753.4 | 993.2 | 1112.1 |
| 20° | 163.9 | 209.7 | 290.6 | 402.2 | 528.9 | 751.8 | 1062.5 | 1211.5 |
| 22.5° | 137.2 | 157.6 | 216.7 | 338.2 | 492.5 | 772.0 | 1170.2 | 1351.0 |
| 25° | 126.8 | 139.1 | 173.0 | 282.6 | 466.0 | 818.5 | 1318.5 | 1531.5 |
| 27.5° | 120.8 | 131.8 | 157.1 | 246.3 | 445.1 | 872.3 | 1462.6 | 1706.5 |
| 30° | 123.1 | 134.4 | 152.6 | 227.7 | 416.7 | 917.3 | 1590.7 | 1843.0 |
| 32.5° | 110.9 | 115.9 | 130.9 | 211.3 | 396.3 | 955.1 | 1702.8 | 1956.0 |
| 35° | 94.6 | 103.2 | 116.8 | 203.6 | 396.8 | 980.5 | 1824.9 | 2100.4 |
| 37.5° | 90.1 | 98.7 | 108.6 | 200.7 | 402.2 | 1007.5 | 1965.2 | 2269.8 |
| 40° | 87.2 | 95.2 | 103.7 | 199.2 | 407.4 | 1032.1 | 2102.7 | 2437.2 |
| 42.5° | 85.3 | 92.6 | 103.2 | 193.4 | 409.9 | 1054.1 | 2215.6 | 2579.6 |
| 45° | 85.1 | 92.6 | 105.1 | 187.8 | 413.9 | 1077.8 | 2310.4 | 2684.9 |
| 47.5° | 85.3 | 95.7 | 101.6 | 181.0 | 413.9 | 1117.4 | 2421.6 | 2778.9 |
| 50° | 84.4 | 100.9 | 97.8 | 171.4 | 404.3 | 1192.5 | 2574.0 | 2904.8 |
| 52.5° | 84.0 | 100.2 | 90.5 | 156.7 | 387.6 | 1311.6 | 2769.3 | 3078.4 |
| 55° | 82.8 | 96.6 | 85.3 | 134.7 | 368.2 | 1441.6 | 2978.5 | 3283.6 |
| 57.5° | 81.6 | 85.6 | 82.5 | 115.4 | 338.2 | 1533.0 | 3122.5 | 3443.7 |
| 60° | 91.4 | 74.8 | 80.2 | 106.0 | 298.0 | 1558.0 | 3116.9 | 3507.5 |
| 62.5° | 84.7 | 70.1 | 77.2 | 103.9 | 269.9 | 1487.7 | 2972.9 | 3473.1 |
| 65° | 66.4 | 67.1 | 74.1 | 109.9 | 262.4 | 1301.3 | 2717.7 | 3313.8 |
| 67.5° | 60.8 | 64.0 | 71.0 | 117.8 | 263.2 | 1041.9 | 2336.4 | 2966.9 |
| 70° | 57.2 | 60.8 | 67.5 | 121.7 | 265.0 | 776.7 | 1847.2 | 2416.6 |
| 72.5° | 53.3 | 56.3 | 63.6 | 122.4 | 252.7 | 564.2 | 1423.7 | 1776.9 |
| 75° | 48.5 | 51.3 | 57.9 | 106.7 | 209.4 | 391.4 | 1089.1 | 1215.7 |
| 77.5° | 43.2 | 45.2 | 50.9 | 82.3 | 155.5 | 250.5 | 817.5 | 888.1 |
| 80° | 36.8 | 38.0 | 42.7 | 60.3 | 106.4 | 156.7 | 646.8 | 712.6 |
| 82.5° | 29.5 | 30.0 | 33.1 | 45.2 | 69.1 | 100.6 | 433.2 | 494.4 |
| 85° | 20.9 | 20.9 | 22.8 | 32.9 | 47.1 | 63.8 | 235.2 | 260.8 |
| 87.5° | 9.8 | 10.0 | 10.0 | 18.0 | 24.6 | 32.4 | 54.2 | 33.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)