

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: P266773

Luminaire Tested: **GAN-AF-03-LED-U-SLR-7027-600-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266773
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: GAN-AF-03-LED-U-SLR-7027-600-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9141.5 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 96
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

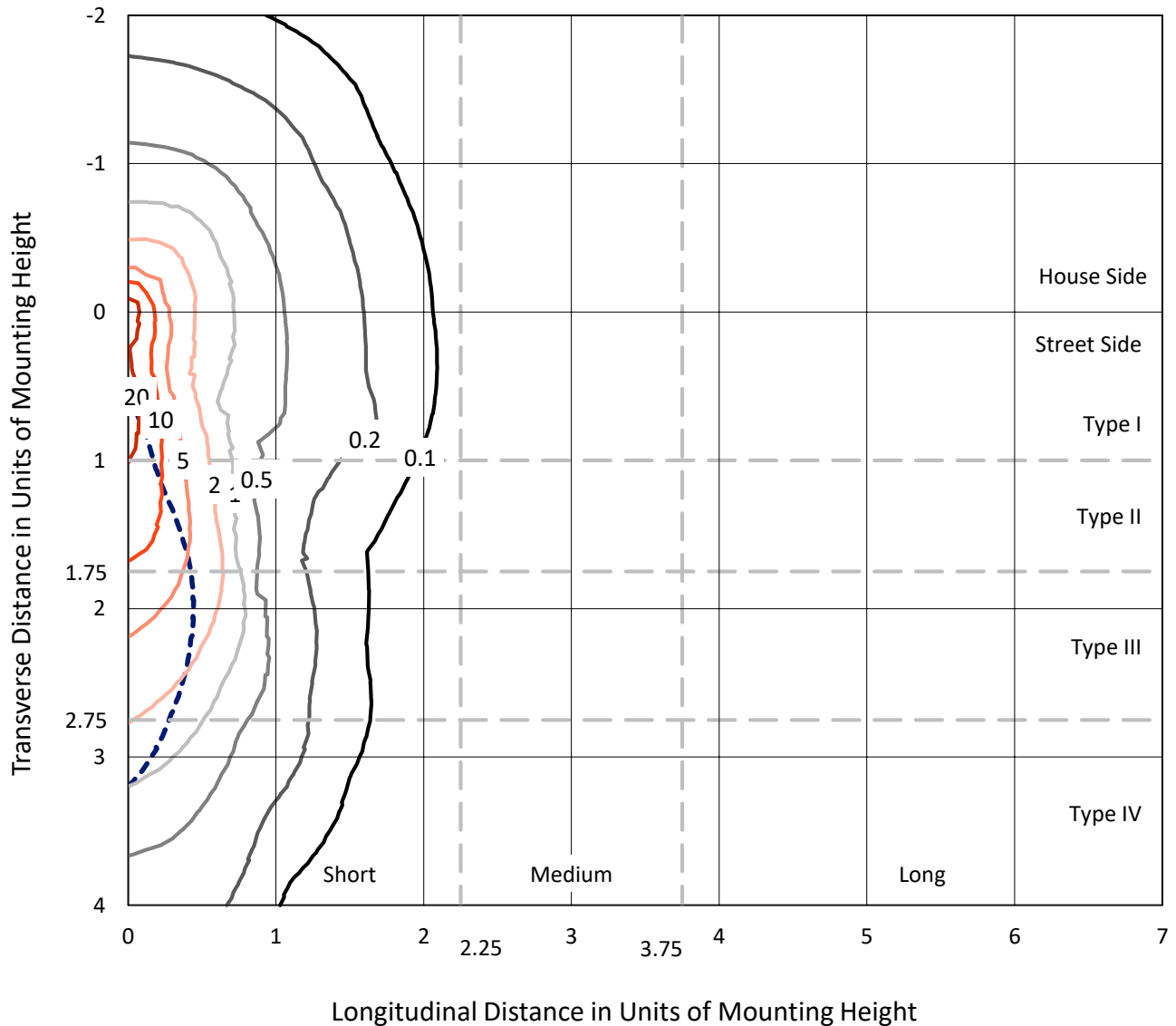


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

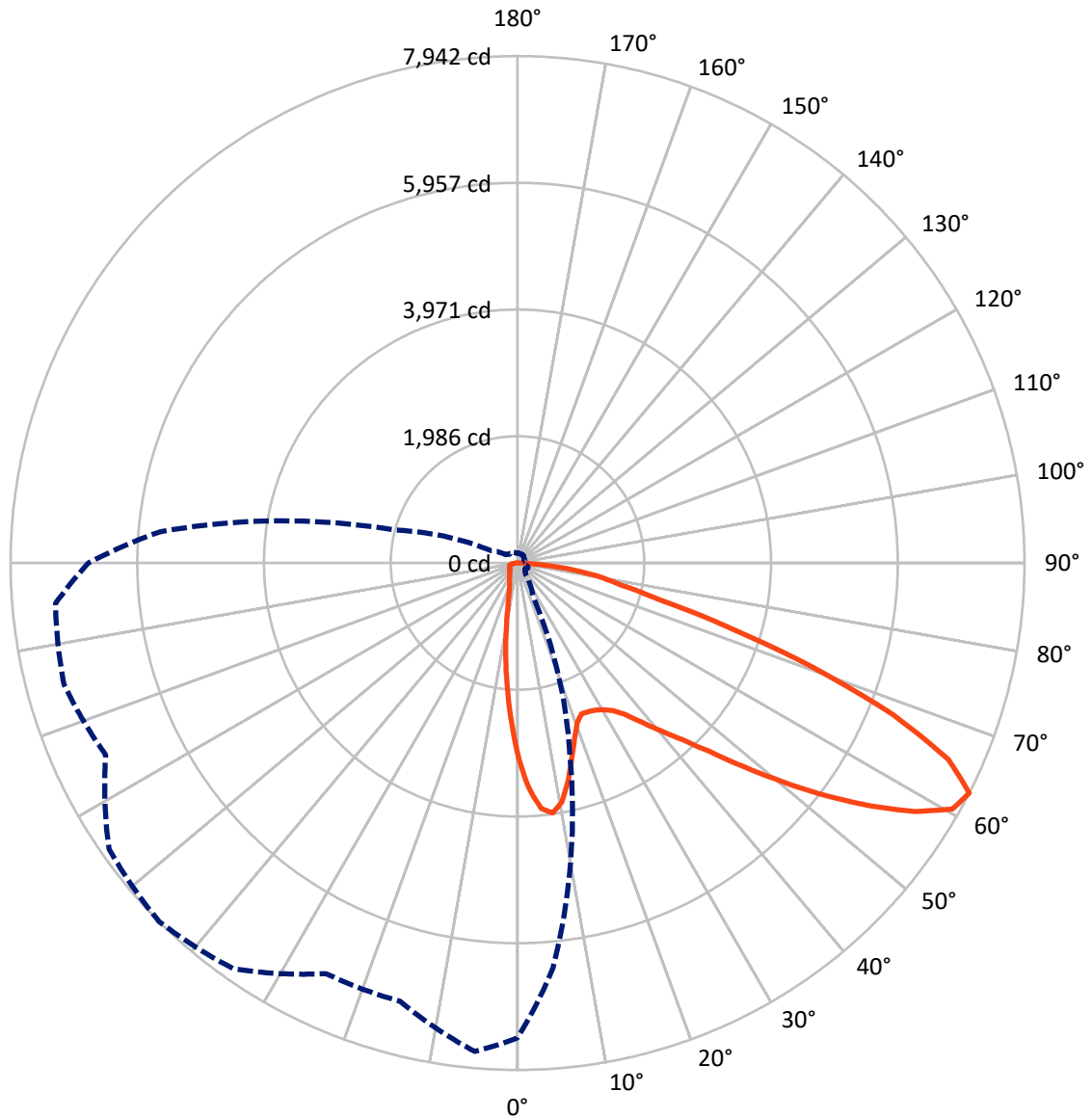


Based on 10 foot mounting height. Maximum calculated value = 30.9 fc
 Type IV - Short - Non-Cutoff

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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 | 1512.8 | 0.0 | 1512.8 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 7628.7 | 0.0 | 7628.7 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 9141.5 | 0.0 | 9141.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 224.8 | 2.5 |
| 10°-20° | 412.3 | 4.5 |
| 20°-30° | 601.1 | 6.6 |
| 30°-40° | 925.8 | 10.1 |
| 40°-50° | 1362.5 | 14.9 |
| 50°-60° | 1998.5 | 21.9 |
| 60°-70° | 2234.0 | 24.4 |
| 70°-80° | 1093.7 | 12.0 |
| 80°-90° | 288.8 | 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° | 9141.5 | 100.0 |
| 0°-180° | 9141.5 | 100.0 |



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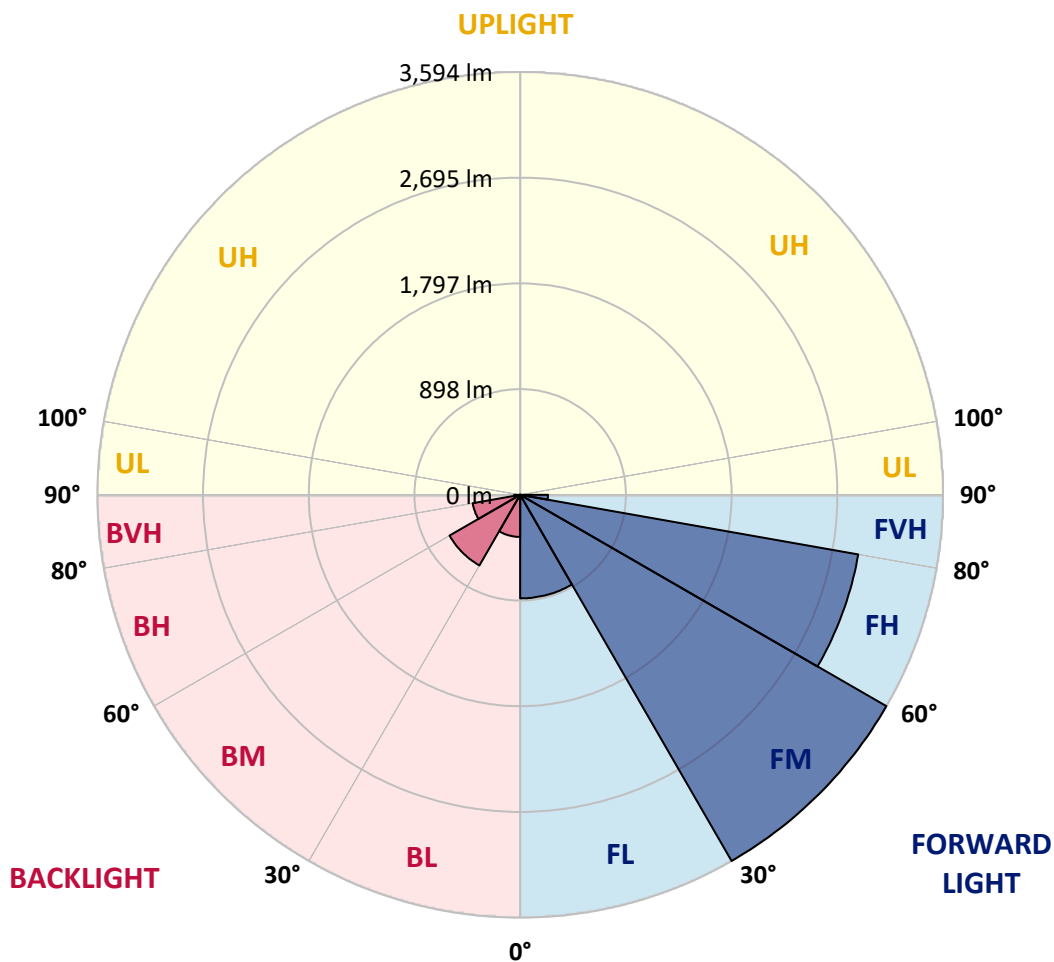
CATALOG NUMBER: GAN-AF-03-LED-U-SLR-7027-600-ADJ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 880.3 | 9.6 | | | |
| FM | (30°-60°) | 3593.6 | 39.3 | | | |
| FH | (60°-80°) | 2917.7 | 31.9 | | | G2/5000 |
| FVH | (80°-90°) | 237.1 | 2.6 | | | G3/500 |
| BL | (0°-30°) | 357.9 | 3.9 | B1/500 | | |
| BM | (30°-60°) | 693.2 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 410.1 | 4.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 51.6 | 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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 |
| 2.5° | 3209.1 | 3143.8 | 3035.3 | 2922.1 | 2853.3 | 2772.9 | 2710.0 | 2654.9 | 2544.3 | 2522.7 | 2542.3 |
| 5° | 3017.6 | 2886.4 | 2682.0 | 2475.9 | 2338.7 | 2191.4 | 2076.9 | 1985.0 | 1844.8 | 1820.1 | 1849.8 |
| 7.5° | 2710.5 | 2553.8 | 2283.4 | 2020.6 | 1826.7 | 1642.7 | 1519.2 | 1420.6 | 1311.0 | 1263.8 | 1266.9 |
| 10° | 2445.7 | 2268.8 | 1949.3 | 1663.3 | 1504.5 | 1380.4 | 1276.4 | 1175.4 | 1064.3 | 991.5 | 971.3 |
| 12.5° | 2297.5 | 2093.9 | 1725.6 | 1470.3 | 1323.2 | 1192.5 | 1080.4 | 972.3 | 853.7 | 779.4 | 758.3 |
| 15° | 2272.0 | 2050.8 | 1641.7 | 1346.7 | 1162.3 | 996.9 | 864.9 | 744.2 | 622.2 | 561.8 | 549.3 |
| 17.5° | 2382.9 | 2128.2 | 1614.7 | 1236.6 | 1011.1 | 807.0 | 644.8 | 510.1 | 410.5 | 380.4 | 377.8 |
| 20° | 2596.0 | 2276.9 | 1611.1 | 1133.2 | 861.8 | 622.6 | 449.2 | 351.2 | 307.5 | 299.0 | 299.6 |
| 22.5° | 2895.0 | 2507.6 | 1654.3 | 1055.2 | 724.7 | 464.3 | 337.8 | 293.9 | 276.9 | 268.9 | 268.9 |
| 25° | 3282.0 | 2825.2 | 1753.9 | 998.6 | 605.5 | 370.9 | 298.0 | 271.8 | 255.7 | 250.3 | 251.3 |
| 27.5° | 3656.8 | 3134.2 | 1869.5 | 953.8 | 527.7 | 336.7 | 282.3 | 258.8 | 244.7 | 239.2 | 241.7 |
| 30° | 3949.3 | 3408.6 | 1965.9 | 892.9 | 488.0 | 327.2 | 287.9 | 263.8 | 243.7 | 235.1 | 235.6 |
| 32.5° | 4191.5 | 3648.8 | 2046.8 | 849.3 | 452.7 | 280.5 | 248.2 | 237.7 | 235.1 | 225.1 | 220.2 |
| 35° | 4501.0 | 3910.6 | 2101.0 | 850.2 | 436.1 | 250.3 | 221.2 | 202.5 | 189.0 | 177.3 | 177.3 |
| 37.5° | 4864.0 | 4211.2 | 2158.8 | 861.8 | 430.2 | 232.8 | 211.6 | 193.0 | 180.4 | 169.3 | 167.4 |
| 40° | 5222.7 | 4505.5 | 2211.5 | 872.9 | 426.6 | 222.2 | 204.1 | 186.9 | 175.3 | 164.3 | 161.3 |
| 42.5° | 5527.7 | 4747.8 | 2258.9 | 878.5 | 414.6 | 221.2 | 198.4 | 183.0 | 171.8 | 159.8 | 156.8 |
| 45° | 5753.4 | 4950.9 | 2309.6 | 886.9 | 402.5 | 225.1 | 198.4 | 182.4 | 168.8 | 157.4 | 154.2 |
| 47.5° | 5954.9 | 5189.0 | 2394.5 | 886.9 | 388.0 | 217.6 | 205.1 | 183.0 | 168.3 | 156.2 | 153.8 |
| 50° | 6224.7 | 5515.7 | 2555.3 | 866.3 | 367.3 | 209.6 | 216.1 | 180.9 | 163.9 | 154.2 | 151.3 |
| 52.5° | 6596.7 | 5934.3 | 2810.5 | 830.7 | 335.6 | 193.9 | 214.5 | 179.9 | 159.3 | 149.3 | 145.7 |
| 55° | 7036.3 | 6382.5 | 3089.0 | 788.9 | 288.4 | 183.0 | 207.0 | 177.3 | 154.2 | 143.2 | 139.6 |
| 57.5° | 7379.5 | 6691.0 | 3285.0 | 724.7 | 247.3 | 176.8 | 183.4 | 174.9 | 148.2 | 136.7 | 133.7 |
| 60° | 7516.2 | 6679.0 | 3338.7 | 638.8 | 227.1 | 171.8 | 160.3 | 196.0 | 143.2 | 131.6 | 128.2 |
| 62.5° | 7442.4 | 6370.5 | 3187.9 | 578.4 | 222.6 | 165.3 | 150.2 | 181.4 | 139.1 | 128.2 | 123.1 |
| 65° | 7101.1 | 5823.7 | 2788.5 | 562.2 | 235.6 | 158.8 | 143.6 | 142.2 | 133.7 | 123.1 | 118.0 |
| 67.5° | 6357.9 | 5006.7 | 2232.6 | 563.9 | 252.2 | 152.3 | 137.3 | 130.2 | 126.1 | 117.6 | 113.0 |
| 70° | 5178.5 | 3958.3 | 1664.4 | 567.9 | 260.8 | 144.7 | 130.2 | 122.6 | 118.0 | 109.6 | 106.4 |
| 72.5° | 3807.6 | 3050.9 | 1209.1 | 541.7 | 262.3 | 136.3 | 120.6 | 114.1 | 109.6 | 100.5 | 97.9 |
| 75° | 2605.1 | 2333.6 | 838.7 | 448.8 | 228.7 | 124.1 | 110.0 | 104.1 | 101.0 | 89.9 | 88.5 |
| 77.5° | 1903.1 | 1751.8 | 536.6 | 333.2 | 176.3 | 109.1 | 96.9 | 92.4 | 90.5 | 78.4 | 76.4 |
| 80° | 1527.2 | 1385.9 | 335.6 | 228.1 | 129.1 | 91.4 | 81.3 | 79.0 | 76.8 | 64.8 | 63.3 |
| 82.5° | 1059.3 | 928.2 | 215.6 | 148.2 | 96.9 | 70.8 | 64.3 | 63.3 | 60.2 | 49.2 | 47.7 |
| 85° | 558.7 | 503.9 | 136.7 | 101.0 | 70.3 | 48.8 | 44.7 | 44.7 | 43.2 | 32.7 | 31.7 |
| 87.5° | 71.3 | 116.2 | 69.3 | 52.8 | 38.6 | 21.6 | 21.6 | 21.1 | 22.5 | 18.5 | 16.1 |
| 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: GAN-AF-03-LED-U-SLR-7027-600-ADJ

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 |
| 2.5° | 2496.0 | 2520.1 | 2497.0 | 2498.5 | 2524.1 | 2600.6 | 2635.2 | 2663.8 | 2694.6 | 2714.6 | 2723.8 |
| 5° | 1809.0 | 1865.4 | 1884.5 | 1924.7 | 1983.9 | 2081.5 | 2120.1 | 2148.2 | 2166.9 | 2177.9 | 2182.4 |
| 7.5° | 1237.2 | 1271.5 | 1309.5 | 1374.3 | 1503.6 | 1560.8 | 1586.4 | 1579.8 | 1558.7 | 1551.4 | 1543.7 |
| 10° | 932.7 | 919.1 | 912.0 | 947.7 | 1052.3 | 1110.0 | 1128.1 | 1110.6 | 1099.0 | 1101.5 | 1114.1 |
| 12.5° | 722.6 | 699.1 | 670.3 | 666.4 | 735.3 | 786.9 | 798.6 | 799.5 | 820.6 | 839.1 | 866.9 |
| 15° | 526.6 | 524.2 | 510.1 | 501.6 | 540.7 | 582.9 | 587.9 | 597.1 | 616.1 | 629.6 | 653.7 |
| 17.5° | 371.4 | 385.0 | 396.1 | 401.5 | 431.1 | 461.3 | 455.8 | 451.3 | 447.7 | 447.7 | 459.4 |
| 20° | 299.6 | 308.6 | 322.6 | 338.8 | 368.8 | 390.0 | 376.4 | 358.3 | 345.2 | 341.3 | 342.8 |
| 22.5° | 269.9 | 276.9 | 284.9 | 299.0 | 326.2 | 340.6 | 326.2 | 313.1 | 300.0 | 295.5 | 293.9 |
| 25° | 254.8 | 263.8 | 271.4 | 281.9 | 302.0 | 312.2 | 298.0 | 288.4 | 280.5 | 274.9 | 270.8 |
| 27.5° | 246.2 | 254.3 | 256.2 | 261.2 | 278.4 | 287.5 | 280.5 | 276.4 | 271.4 | 266.3 | 261.2 |
| 30° | 237.2 | 235.6 | 232.1 | 232.8 | 246.2 | 255.3 | 254.8 | 255.7 | 255.3 | 253.9 | 252.8 |
| 32.5° | 216.6 | 213.5 | 210.6 | 213.5 | 226.2 | 234.2 | 234.6 | 236.8 | 236.8 | 236.2 | 240.1 |
| 35° | 180.4 | 185.9 | 189.5 | 198.4 | 213.5 | 220.7 | 217.6 | 212.5 | 203.6 | 197.9 | 197.4 |
| 37.5° | 166.8 | 167.9 | 173.9 | 186.5 | 202.9 | 209.6 | 205.1 | 193.4 | 187.4 | 186.5 | 187.9 |
| 40° | 160.3 | 161.3 | 164.7 | 176.3 | 193.0 | 199.6 | 195.6 | 186.9 | 181.4 | 180.9 | 183.4 |
| 42.5° | 155.8 | 156.8 | 158.8 | 166.8 | 180.4 | 188.5 | 189.0 | 183.0 | 176.3 | 176.8 | 179.4 |
| 45° | 153.3 | 153.8 | 153.3 | 157.4 | 169.9 | 179.4 | 183.4 | 179.4 | 173.9 | 174.9 | 177.9 |
| 47.5° | 152.7 | 151.3 | 149.3 | 150.2 | 163.3 | 172.8 | 177.9 | 176.3 | 173.9 | 174.9 | 177.3 |
| 50° | 150.7 | 147.2 | 144.7 | 144.2 | 157.4 | 167.4 | 171.8 | 171.8 | 172.8 | 174.9 | 177.3 |
| 52.5° | 144.7 | 140.8 | 140.8 | 139.1 | 153.3 | 162.9 | 165.8 | 166.4 | 167.9 | 171.3 | 174.9 |
| 55° | 137.3 | 135.6 | 137.3 | 134.7 | 150.2 | 159.3 | 160.7 | 161.9 | 162.9 | 165.8 | 170.9 |
| 57.5° | 130.7 | 128.6 | 132.2 | 131.2 | 147.7 | 155.8 | 155.8 | 157.8 | 157.8 | 161.9 | 165.8 |
| 60° | 127.1 | 123.1 | 124.7 | 125.7 | 144.2 | 152.7 | 151.8 | 153.8 | 154.8 | 158.3 | 161.3 |
| 62.5° | 122.6 | 119.0 | 119.0 | 121.6 | 140.1 | 148.2 | 147.7 | 149.3 | 153.3 | 154.2 | 157.4 |
| 65° | 117.0 | 115.6 | 114.1 | 117.0 | 136.3 | 143.2 | 143.6 | 145.7 | 149.3 | 150.2 | 152.7 |
| 67.5° | 111.6 | 112.1 | 109.1 | 112.1 | 132.7 | 138.2 | 138.2 | 142.2 | 143.6 | 145.7 | 148.2 |
| 70° | 105.6 | 106.0 | 103.6 | 107.1 | 130.2 | 132.7 | 132.2 | 137.7 | 138.7 | 140.1 | 142.7 |
| 72.5° | 97.9 | 97.9 | 96.9 | 102.0 | 126.1 | 127.1 | 126.1 | 130.7 | 131.2 | 132.7 | 133.7 |
| 75° | 89.9 | 89.9 | 88.9 | 95.9 | 123.6 | 121.1 | 118.0 | 121.6 | 122.6 | 123.6 | 123.6 |
| 77.5° | 79.4 | 80.4 | 80.4 | 88.9 | 115.1 | 118.5 | 108.5 | 110.5 | 112.1 | 112.6 | 111.1 |
| 80° | 66.4 | 68.8 | 69.9 | 80.8 | 96.5 | 109.6 | 96.9 | 98.5 | 99.1 | 99.1 | 96.9 |
| 82.5° | 50.8 | 55.2 | 57.9 | 69.9 | 73.9 | 91.9 | 84.4 | 86.0 | 84.4 | 81.3 | 80.4 |
| 85° | 35.2 | 41.2 | 44.2 | 53.3 | 55.8 | 70.8 | 70.3 | 70.3 | 67.4 | 63.3 | 62.8 |
| 87.5° | 19.1 | 22.5 | 24.7 | 31.7 | 38.2 | 47.7 | 51.7 | 50.2 | 47.7 | 45.3 | 45.8 |
| 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: GAN-AF-03-LED-U-SLR-7027-600-ADJ

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 |
| 2.5° | 2770.9 | 2839.3 | 2948.2 | 3031.7 | 3115.6 | 3196.6 | 3283.9 | 3350.8 | 3407.6 | 3429.6 | 3497.0 |
| 5° | 2228.2 | 2313.7 | 2416.6 | 2602.6 | 2734.3 | 2879.4 | 3047.3 | 3269.4 | 3354.8 | 3472.9 | 3666.4 |
| 7.5° | 1575.4 | 1652.8 | 1818.6 | 1968.8 | 2155.4 | 2360.8 | 2587.5 | 2894.0 | 3006.1 | 3195.5 | 3510.7 |
| 10° | 1176.4 | 1266.3 | 1399.5 | 1526.2 | 1690.5 | 1900.5 | 2160.9 | 2503.5 | 2639.8 | 2845.3 | 3208.0 |
| 12.5° | 947.7 | 1053.8 | 1194.9 | 1314.1 | 1441.2 | 1589.6 | 1842.2 | 2218.2 | 2400.5 | 2580.4 | 2947.2 |
| 15° | 728.2 | 839.1 | 970.3 | 1121.7 | 1261.8 | 1421.7 | 1686.5 | 2097.5 | 2307.6 | 2495.0 | 2808.1 |
| 17.5° | 503.9 | 599.0 | 764.4 | 922.1 | 1101.5 | 1306.0 | 1643.3 | 2123.1 | 2374.0 | 2590.1 | 2832.1 |
| 20° | 357.3 | 411.6 | 547.2 | 730.1 | 953.8 | 1210.6 | 1635.3 | 2257.8 | 2584.0 | 2830.6 | 2987.0 |
| 22.5° | 300.6 | 320.6 | 399.4 | 567.4 | 825.6 | 1139.2 | 1663.3 | 2446.8 | 2867.4 | 3182.4 | 3233.7 |
| 25° | 273.9 | 285.9 | 327.2 | 445.2 | 711.5 | 1087.5 | 1758.3 | 2728.2 | 3218.2 | 3534.2 | 3525.2 |
| 27.5° | 259.3 | 271.8 | 299.0 | 375.9 | 625.6 | 1055.2 | 1853.4 | 3061.9 | 3619.1 | 3916.2 | 3803.7 |
| 30° | 254.8 | 271.8 | 300.6 | 354.3 | 564.3 | 1004.6 | 1931.1 | 3354.8 | 3927.7 | 4174.0 | 3930.3 |
| 32.5° | 251.3 | 253.9 | 266.8 | 305.6 | 506.0 | 945.2 | 1983.9 | 3617.7 | 4229.7 | 4419.2 | 4112.6 |
| 35° | 202.9 | 215.6 | 236.8 | 273.9 | 471.9 | 909.5 | 1983.9 | 3844.2 | 4527.2 | 4667.0 | 4286.5 |
| 37.5° | 195.6 | 206.5 | 225.1 | 256.7 | 452.7 | 891.9 | 1944.2 | 4062.9 | 4831.3 | 4947.9 | 4429.7 |
| 40° | 191.5 | 200.5 | 218.1 | 243.7 | 444.8 | 871.9 | 1886.5 | 4255.9 | 5128.2 | 5229.3 | 4563.4 |
| 42.5° | 188.5 | 196.5 | 213.1 | 235.6 | 434.2 | 849.7 | 1839.6 | 4410.7 | 5386.0 | 5469.4 | 4690.9 |
| 45° | 186.9 | 195.6 | 213.5 | 239.7 | 413.1 | 820.6 | 1824.2 | 4577.9 | 5598.1 | 5669.9 | 4829.2 |
| 47.5° | 186.9 | 197.0 | 216.1 | 248.2 | 388.0 | 790.5 | 1872.8 | 4798.6 | 5798.6 | 5833.8 | 4992.1 |
| 50° | 185.4 | 196.5 | 223.0 | 239.7 | 351.2 | 752.3 | 1987.5 | 5076.5 | 6015.7 | 6019.7 | 5198.1 |
| 52.5° | 182.4 | 195.6 | 240.1 | 234.6 | 309.0 | 702.0 | 2142.3 | 5433.3 | 6336.9 | 6360.9 | 5520.8 |
| 55° | 178.9 | 193.9 | 235.6 | 223.0 | 274.4 | 642.2 | 2268.8 | 5866.9 | 6788.0 | 6854.8 | 5995.1 |
| 57.5° | 174.5 | 192.0 | 228.1 | 207.0 | 251.7 | 565.4 | 2314.7 | 6184.6 | 7103.2 | 7271.1 | 6529.8 |
| 60° | 170.4 | 190.4 | 206.0 | 197.4 | 237.7 | 500.5 | 2226.2 | 6121.7 | 7081.5 | 7443.4 | 7003.6 |
| 62.5° | 166.4 | 192.0 | 187.9 | 191.5 | 231.1 | 458.9 | 1995.0 | 5618.7 | 6723.3 | 7265.4 | 7355.0 |
| 65° | 161.9 | 178.5 | 177.3 | 186.5 | 229.6 | 442.2 | 1653.8 | 4864.4 | 6030.7 | 6703.2 | 7437.8 |
| 67.5° | 155.8 | 164.7 | 169.9 | 179.9 | 234.6 | 427.7 | 1334.7 | 4012.5 | 5068.4 | 5860.5 | 7005.6 |
| 70° | 149.3 | 156.8 | 162.4 | 171.8 | 231.7 | 421.1 | 1110.0 | 3164.4 | 4021.7 | 4803.1 | 6152.9 |
| 72.5° | 140.8 | 147.2 | 152.3 | 161.3 | 228.7 | 417.6 | 937.7 | 2548.3 | 3002.6 | 3567.9 | 5002.7 |
| 75° | 130.7 | 136.7 | 140.1 | 149.3 | 219.0 | 382.4 | 737.1 | 2156.3 | 2246.8 | 2481.9 | 3984.5 |
| 77.5° | 119.0 | 123.6 | 126.7 | 136.7 | 193.9 | 318.1 | 533.1 | 1663.3 | 1744.8 | 1802.0 | 3054.9 |
| 80° | 105.6 | 110.0 | 111.6 | 121.1 | 160.7 | 248.7 | 347.7 | 1228.6 | 1305.1 | 1318.2 | 1995.0 |
| 82.5° | 89.9 | 94.5 | 94.5 | 103.6 | 131.6 | 178.9 | 228.1 | 841.7 | 856.9 | 901.0 | 1410.1 |
| 85° | 72.4 | 75.8 | 75.8 | 80.4 | 102.0 | 133.7 | 156.8 | 422.7 | 418.2 | 477.4 | 1221.7 |
| 87.5° | 51.7 | 54.3 | 56.9 | 57.9 | 72.9 | 88.5 | 94.5 | 128.6 | 84.9 | 97.5 | 784.4 |
| 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):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 | 3088.6 |
| 2.5° | 3547.8 | 3576.4 | 3547.2 | 3526.1 | 3435.3 | 3360.4 | 3260.4 | 3209.1 |
| 5° | 3813.7 | 3886.4 | 3861.9 | 3773.4 | 3583.5 | 3369.9 | 3127.2 | 3017.6 |
| 7.5° | 3781.4 | 3950.8 | 3954.9 | 3789.5 | 3509.6 | 3195.0 | 2866.4 | 2710.5 |
| 10° | 3531.1 | 3747.8 | 3809.6 | 3649.4 | 3352.4 | 3000.6 | 2623.7 | 2445.7 |
| 12.5° | 3251.9 | 3463.9 | 3511.1 | 3455.8 | 3207.6 | 2854.4 | 2471.9 | 2297.5 |
| 15° | 3023.2 | 3118.1 | 3174.4 | 3222.7 | 3083.5 | 2796.1 | 2463.3 | 2272.0 |
| 17.5° | 2884.0 | 2873.4 | 2889.5 | 2973.4 | 2997.0 | 2862.9 | 2594.0 | 2382.9 |
| 20° | 2833.8 | 2672.4 | 2668.3 | 2783.9 | 2956.3 | 3022.2 | 2849.3 | 2596.0 |
| 22.5° | 2861.3 | 2600.1 | 2566.8 | 2704.1 | 2977.9 | 3251.9 | 3184.0 | 2895.0 |
| 25° | 2956.9 | 2606.1 | 2579.5 | 2712.2 | 3056.4 | 3496.6 | 3545.3 | 3282.0 |
| 27.5° | 3107.1 | 2644.3 | 2609.0 | 2745.3 | 3160.3 | 3702.1 | 3901.1 | 3656.8 |
| 30° | 3249.8 | 2710.5 | 2666.9 | 2810.5 | 3255.4 | 3783.5 | 4119.2 | 3949.3 |
| 32.5° | 3423.3 | 2834.7 | 2757.8 | 2930.7 | 3373.0 | 3913.1 | 4313.7 | 4191.5 |
| 35° | 3593.0 | 3011.6 | 2916.2 | 3116.1 | 3504.1 | 4074.4 | 4535.7 | 4501.0 |
| 37.5° | 3779.4 | 3242.8 | 3163.9 | 3355.9 | 3683.5 | 4226.7 | 4819.1 | 4864.0 |
| 40° | 3978.5 | 3549.4 | 3455.8 | 3705.6 | 3961.9 | 4417.7 | 5115.2 | 5222.7 |
| 42.5° | 4178.9 | 3889.5 | 3777.9 | 4031.2 | 4267.8 | 4606.1 | 5368.5 | 5527.7 |
| 45° | 4408.6 | 4258.9 | 4206.1 | 4479.9 | 4562.0 | 4785.5 | 5555.4 | 5753.4 |
| 47.5° | 4675.9 | 4678.0 | 4763.0 | 4872.4 | 4858.4 | 4988.6 | 5743.4 | 5954.9 |
| 50° | 4988.0 | 5201.0 | 5388.6 | 5461.3 | 5163.8 | 5206.7 | 6004.1 | 6224.7 |
| 52.5° | 5362.9 | 5826.8 | 6058.9 | 6011.2 | 5493.0 | 5473.0 | 6417.2 | 6596.7 |
| 55° | 5831.7 | 6489.0 | 6719.7 | 6685.5 | 5871.4 | 5835.7 | 6931.9 | 7036.3 |
| 57.5° | 6374.6 | 7130.7 | 7342.8 | 7189.0 | 6325.8 | 6233.8 | 7357.4 | 7379.5 |
| 60° | 6851.4 | 7639.4 | 7825.2 | 7654.8 | 6784.0 | 6657.3 | 7623.2 | 7516.2 |
| 62.5° | 7116.7 | 7811.8 | 7942.4 | 7758.9 | 7098.0 | 7108.6 | 7681.5 | 7442.4 |
| 65° | 6998.2 | 7376.1 | 7418.3 | 7403.1 | 7017.2 | 7370.5 | 7472.0 | 7101.1 |
| 67.5° | 6348.9 | 6274.5 | 6345.4 | 6443.4 | 6323.7 | 7025.7 | 6891.5 | 6357.9 |
| 70° | 5205.0 | 4796.6 | 4937.8 | 5003.6 | 5057.8 | 6045.9 | 5981.5 | 5178.5 |
| 72.5° | 3922.7 | 3360.4 | 3471.9 | 3458.4 | 3709.6 | 4849.3 | 4651.9 | 3807.6 |
| 75° | 2779.4 | 2278.5 | 2292.6 | 2286.9 | 2588.5 | 3794.0 | 3368.5 | 2605.1 |
| 77.5° | 1944.8 | 1650.7 | 1658.4 | 1689.5 | 1740.2 | 2861.3 | 2406.6 | 1903.1 |
| 80° | 1337.1 | 1252.7 | 1294.5 | 1297.1 | 1206.1 | 1922.2 | 1777.9 | 1527.2 |
| 82.5° | 996.0 | 870.8 | 860.8 | 875.4 | 945.2 | 1557.3 | 1366.3 | 1059.3 |
| 85° | 815.7 | 515.5 | 414.6 | 519.6 | 837.7 | 1542.2 | 907.6 | 558.7 |
| 87.5° | 459.4 | 244.7 | 110.5 | 205.1 | 334.2 | 1021.2 | 262.3 | 71.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)