

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: P193072

Luminaire Tested: **GAN-AF-04-LED-U-SLR-7030**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P193072  
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-04-LED-U-SLR-7030  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA 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: 20408.5 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G4

Input Watts (W): 225  
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



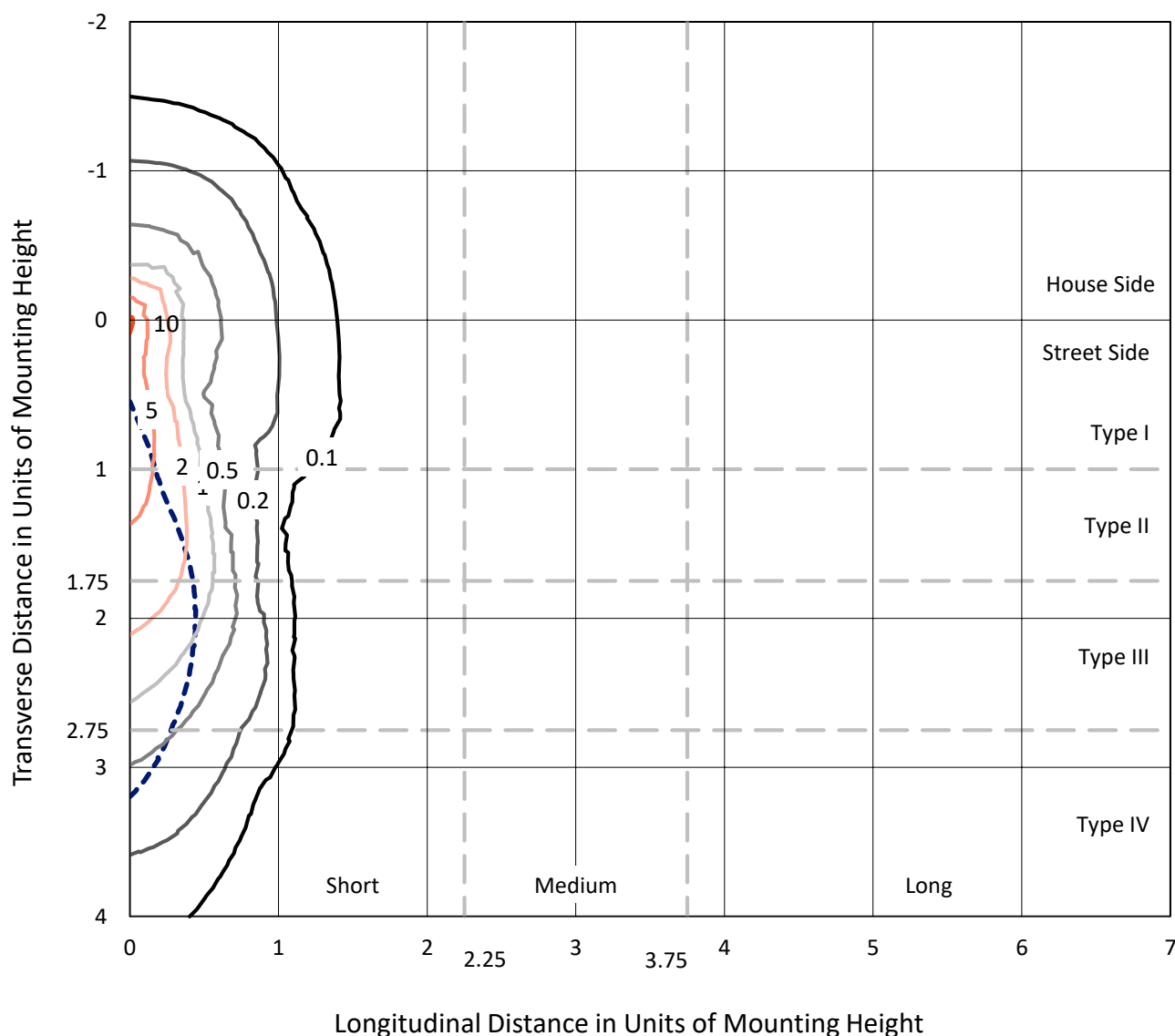
REPORT NUMBER: P193072

CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

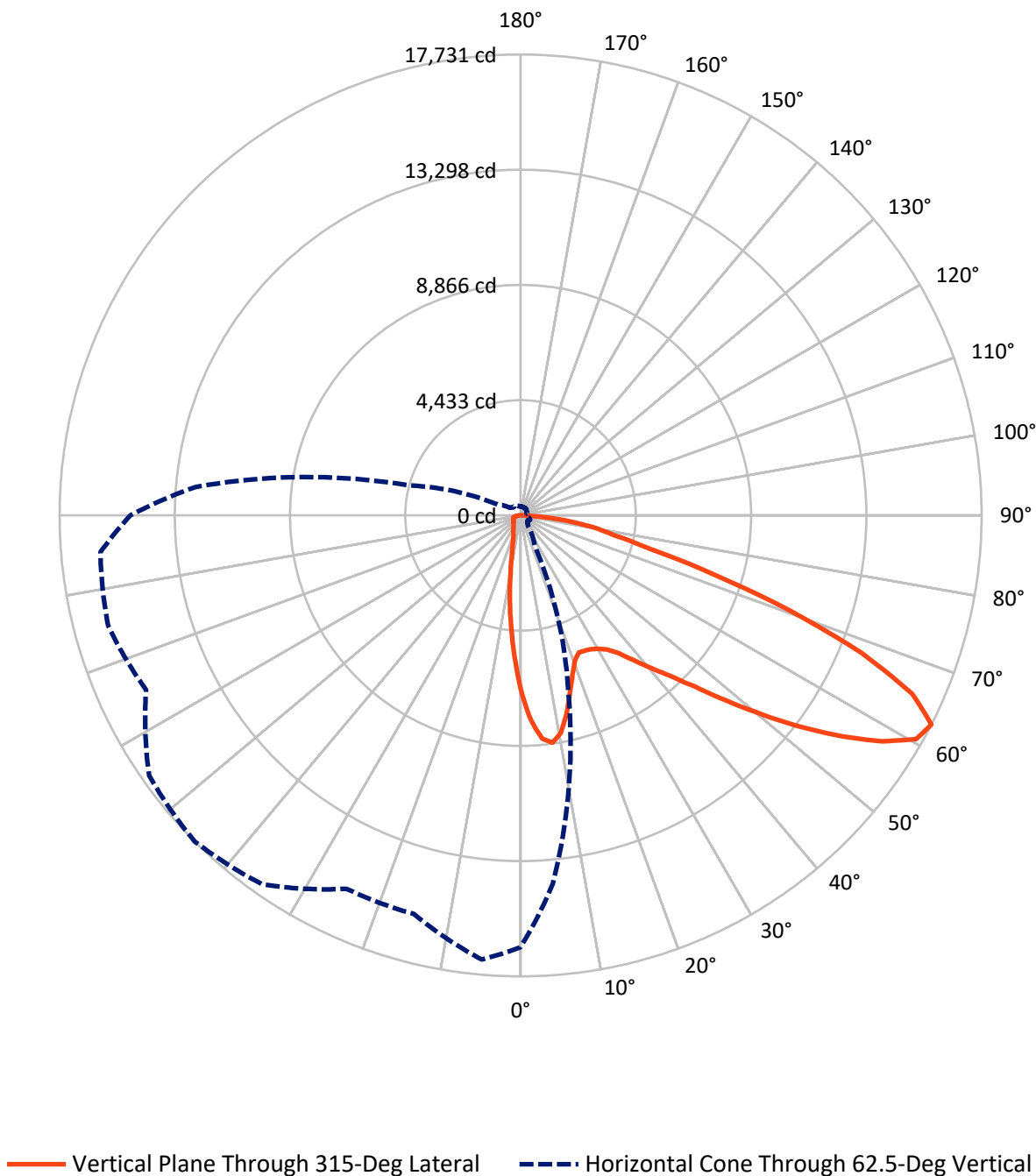


Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P193072

CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030

## Luminous Intensity Polar Plot



REPORT NUMBER: P193072

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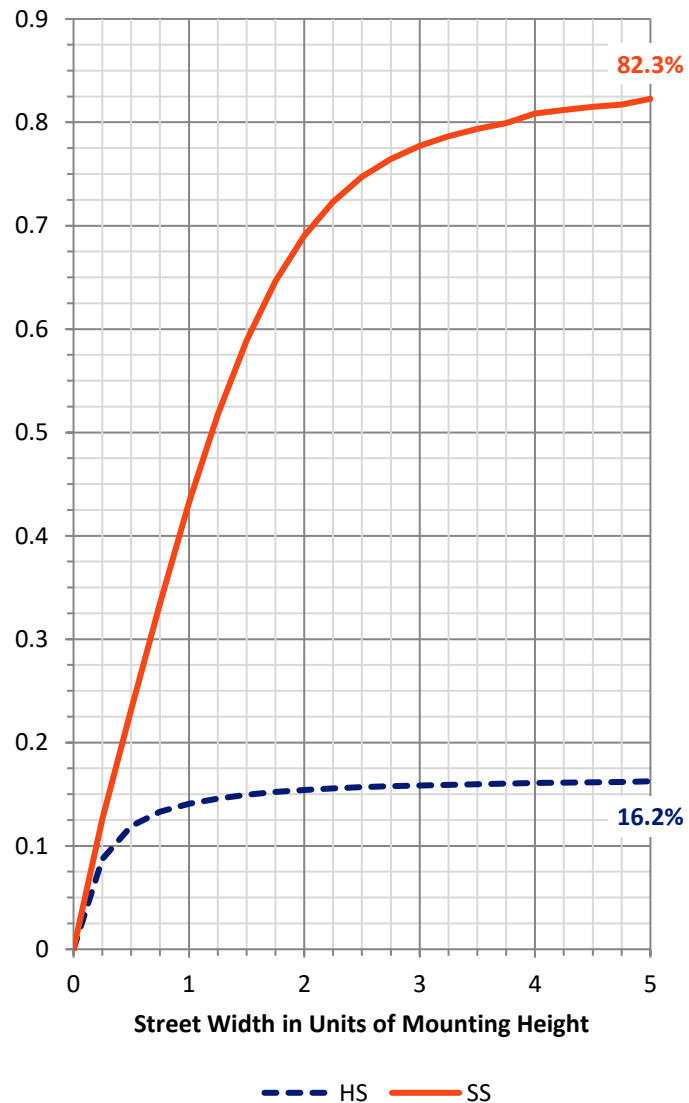
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3377.3   | 0.0    | 3377.3  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 17031.2  | 0.0    | 17031.2 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 20408.5  | 0.0    | 20408.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 501.9   | 2.5       |
| 10°-20°   | 920.4   | 4.5       |
| 20°-30°   | 1342.0  | 6.6       |
| 30°-40°   | 2066.8  | 10.1      |
| 40°-50°   | 3041.8  | 14.9      |
| 50°-60°   | 4461.7  | 21.9      |
| 60°-70°   | 4987.5  | 24.4      |
| 70°-80°   | 2441.8  | 12.0      |
| 80°-90°   | 644.7   | 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°    | 20408.5 | 100.0     |
| 0°-180°   | 20408.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P193072

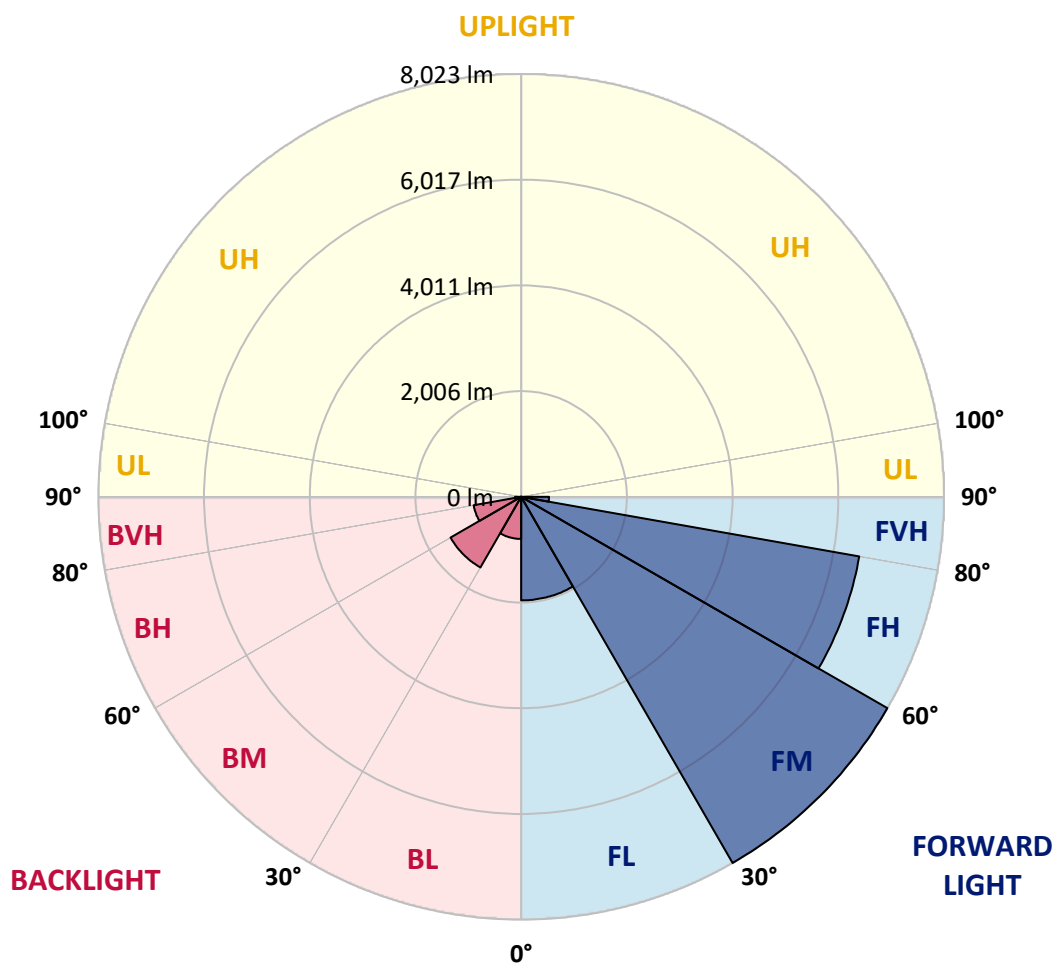
CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1965.3 | 9.6       |                         |      |         |
| FM   | (30°-60°)   | 8022.8 | 39.3      |                         |      |         |
| FH   | (60°-80°)   | 6513.7 | 31.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 529.5  | 2.6       |                         |      | G4/750  |
| BL   | (0°-30°)    | 799.0  | 3.9       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1547.5 | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 915.6  | 4.5       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 115.2  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G4**

Type IV Short





REPORT NUMBER: P193072

CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6895.2  | 6895.2  | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 |
| 2.5°  | 7164.3  | 7018.5  | 6776.2 | 6523.8 | 6370.1 | 6190.5 | 6050.3 | 5926.9 | 5680.1 | 5631.9 | 5675.6 |
| 5°    | 6736.9  | 6444.1  | 5987.5 | 5527.5 | 5221.3 | 4892.5 | 4636.8 | 4431.4 | 4118.4 | 4063.5 | 4129.7 |
| 7.5°  | 6051.5  | 5701.3  | 5097.8 | 4511.1 | 4078.1 | 3667.4 | 3391.4 | 3171.6 | 2926.9 | 2821.5 | 2828.2 |
| 10°   | 5460.2  | 5065.3  | 4351.8 | 3713.4 | 3358.9 | 3081.7 | 2849.6 | 2624.1 | 2376.2 | 2213.5 | 2168.6 |
| 12.5° | 5129.2  | 4674.8  | 3852.6 | 3282.5 | 2954.0 | 2662.2 | 2412.0 | 2170.9 | 1906.0 | 1740.1 | 1693.0 |
| 15°   | 5072.1  | 4578.4  | 3665.2 | 3006.6 | 2594.9 | 2225.8 | 1930.7 | 1661.5 | 1388.9 | 1254.3 | 1226.2 |
| 17.5° | 5320.0  | 4751.1  | 3604.6 | 2761.0 | 2257.2 | 1801.8 | 1439.4 | 1138.7 | 916.5  | 849.3  | 843.7  |
| 20°   | 5795.6  | 5083.3  | 3596.9 | 2529.9 | 1924.0 | 1390.0 | 1003.0 | 784.2  | 686.5  | 667.6  | 668.6  |
| 22.5° | 6463.2  | 5598.2  | 3693.3 | 2355.9 | 1617.8 | 1036.7 | 753.9  | 656.3  | 618.2  | 600.2  | 600.2  |
| 25°   | 7327.0  | 6307.2  | 3915.5 | 2229.2 | 1351.9 | 827.9  | 665.3  | 606.9  | 571.0  | 558.8  | 560.9  |
| 27.5° | 8164.0  | 6997.2  | 4173.3 | 2129.4 | 1178.1 | 751.7  | 630.5  | 577.8  | 546.4  | 534.1  | 539.6  |
| 30°   | 8816.9  | 7609.8  | 4388.8 | 1993.6 | 1089.4 | 730.4  | 642.9  | 589.0  | 544.1  | 525.0  | 526.2  |
| 32.5° | 9357.6  | 8146.1  | 4569.4 | 1895.9 | 1010.8 | 626.0  | 554.2  | 530.7  | 525.0  | 502.6  | 491.3  |
| 35°   | 10048.7 | 8730.5  | 4690.6 | 1898.3 | 973.8  | 558.8  | 493.7  | 452.2  | 421.8  | 396.1  | 396.1  |
| 37.5° | 10858.7 | 9401.4  | 4819.7 | 1924.0 | 960.3  | 519.4  | 472.3  | 430.8  | 402.7  | 378.0  | 373.5  |
| 40°   | 11659.7 | 10058.9 | 4937.4 | 1948.7 | 952.5  | 495.8  | 455.5  | 417.4  | 391.5  | 366.9  | 360.1  |
| 42.5° | 12340.8 | 10599.6 | 5042.9 | 1961.1 | 925.5  | 493.7  | 443.1  | 408.4  | 383.7  | 356.7  | 350.0  |
| 45°   | 12844.4 | 11052.7 | 5156.2 | 1980.1 | 898.6  | 502.6  | 443.1  | 407.2  | 377.0  | 351.2  | 344.3  |
| 47.5° | 13294.3 | 11584.5 | 5345.7 | 1980.1 | 866.1  | 485.7  | 457.7  | 408.4  | 375.9  | 348.9  | 343.3  |
| 50°   | 13896.8 | 12313.8 | 5704.8 | 1934.1 | 820.1  | 467.8  | 482.4  | 403.9  | 365.7  | 344.3  | 337.7  |
| 52.5° | 14726.9 | 13248.3 | 6274.6 | 1854.4 | 749.4  | 433.0  | 479.0  | 401.6  | 355.6  | 333.2  | 325.4  |
| 55°   | 15708.6 | 14249.0 | 6896.2 | 1761.4 | 644.0  | 408.4  | 462.1  | 396.1  | 344.3  | 319.7  | 311.9  |
| 57.5° | 16474.8 | 14937.9 | 7333.8 | 1617.8 | 552.0  | 394.9  | 409.5  | 390.4  | 330.9  | 305.2  | 298.4  |
| 60°   | 16780.0 | 14910.9 | 7453.7 | 1426.0 | 507.1  | 383.7  | 358.0  | 437.6  | 319.7  | 293.9  | 286.0  |
| 62.5° | 16615.2 | 14222.2 | 7117.2 | 1291.3 | 497.0  | 369.1  | 335.4  | 405.1  | 310.8  | 286.0  | 274.9  |
| 65°   | 15853.3 | 13001.6 | 6225.4 | 1255.4 | 526.2  | 354.5  | 320.9  | 317.5  | 298.4  | 274.9  | 263.7  |
| 67.5° | 14194.1 | 11177.3 | 4984.5 | 1258.7 | 563.2  | 339.9  | 306.3  | 290.5  | 281.6  | 262.6  | 252.4  |
| 70°   | 11561.0 | 8837.1  | 3715.7 | 1267.7 | 582.3  | 323.1  | 290.5  | 273.7  | 263.7  | 244.5  | 237.8  |
| 72.5° | 8500.5  | 6811.0  | 2699.2 | 1209.4 | 585.6  | 304.1  | 269.3  | 254.7  | 244.5  | 224.4  | 218.7  |
| 75°   | 5815.9  | 5210.0  | 1872.3 | 1001.8 | 510.5  | 277.1  | 245.8  | 232.1  | 225.5  | 200.8  | 197.4  |
| 77.5° | 4248.5  | 3910.9  | 1198.1 | 743.8  | 393.8  | 243.4  | 216.6  | 206.4  | 201.9  | 175.1  | 170.6  |
| 80°   | 3409.4  | 3094.1  | 749.4  | 509.3  | 288.3  | 204.2  | 181.7  | 176.1  | 171.6  | 144.8  | 141.4  |
| 82.5° | 2364.9  | 2072.1  | 481.3  | 330.9  | 216.6  | 158.2  | 143.5  | 141.4  | 134.6  | 110.0  | 106.5  |
| 85°   | 1247.5  | 1125.3  | 305.2  | 225.5  | 157.2  | 108.8  | 99.9   | 99.9   | 96.4   | 72.8   | 70.7   |
| 87.5° | 159.3   | 259.2   | 154.8  | 117.8  | 86.5   | 48.3   | 48.3   | 47.1   | 50.5   | 41.5   | 35.9   |
| 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: P193072

CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030

**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 |
| 2.5°  | 5572.4 | 5626.3 | 5574.6 | 5578.0 | 5635.3 | 5805.7 | 5883.2 | 5947.1 | 6015.6 | 6060.4 | 6080.6 |
| 5°    | 4038.8 | 4164.4 | 4207.0 | 4296.8 | 4429.2 | 4646.8 | 4733.2 | 4796.1 | 4837.6 | 4862.2 | 4872.3 |
| 7.5°  | 2762.1 | 2838.3 | 2923.7 | 3068.3 | 3356.7 | 3484.6 | 3541.7 | 3527.2 | 3480.1 | 3463.3 | 3446.5 |
| 10°   | 2082.3 | 2051.9 | 2036.3 | 2116.0 | 2349.2 | 2478.2 | 2518.7 | 2479.3 | 2453.5 | 2459.2 | 2487.2 |
| 12.5° | 1613.3 | 1560.5 | 1496.7 | 1487.6 | 1641.3 | 1756.9 | 1782.7 | 1785.0 | 1832.1 | 1873.6 | 1935.2 |
| 15°   | 1175.7 | 1170.1 | 1138.7 | 1119.7 | 1207.1 | 1301.4 | 1312.6 | 1332.8 | 1375.5 | 1405.7 | 1459.6 |
| 17.5° | 829.1  | 859.4  | 884.0  | 896.4  | 962.6  | 1029.9 | 1017.5 | 1007.5 | 999.6  | 999.6  | 1025.4 |
| 20°   | 668.6  | 688.9  | 720.2  | 756.2  | 823.5  | 870.6  | 840.3  | 799.9  | 770.8  | 761.7  | 765.2  |
| 22.5° | 602.4  | 618.2  | 636.1  | 667.6  | 728.1  | 760.7  | 728.1  | 698.9  | 669.8  | 659.7  | 656.3  |
| 25°   | 568.8  | 589.0  | 605.9  | 629.4  | 674.2  | 696.6  | 665.3  | 644.0  | 626.0  | 613.7  | 604.8  |
| 27.5° | 549.7  | 567.7  | 572.2  | 583.3  | 621.5  | 641.7  | 626.0  | 617.0  | 605.9  | 594.6  | 583.3  |
| 30°   | 529.6  | 526.2  | 518.3  | 519.4  | 549.7  | 569.9  | 568.8  | 571.0  | 569.9  | 566.5  | 564.4  |
| 32.5° | 483.6  | 476.8  | 470.1  | 476.8  | 504.9  | 522.8  | 523.9  | 528.4  | 528.4  | 527.2  | 536.3  |
| 35°   | 402.7  | 415.0  | 423.0  | 443.1  | 476.8  | 492.5  | 485.7  | 474.5  | 454.4  | 442.1  | 440.9  |
| 37.5° | 372.5  | 374.8  | 388.2  | 416.2  | 453.2  | 467.8  | 457.7  | 431.9  | 418.5  | 416.2  | 419.5  |
| 40°   | 358.0  | 360.1  | 367.9  | 393.8  | 430.8  | 445.3  | 436.4  | 417.4  | 405.1  | 403.9  | 409.5  |
| 42.5° | 347.8  | 350.0  | 354.5  | 372.5  | 402.7  | 420.7  | 421.8  | 408.4  | 393.8  | 394.9  | 400.6  |
| 45°   | 342.2  | 343.3  | 342.2  | 351.2  | 379.2  | 400.6  | 409.5  | 400.6  | 388.2  | 390.4  | 397.1  |
| 47.5° | 341.1  | 337.7  | 333.2  | 335.4  | 364.6  | 385.9  | 397.1  | 393.8  | 388.2  | 390.4  | 396.1  |
| 50°   | 336.5  | 328.8  | 323.1  | 322.0  | 351.2  | 373.5  | 383.7  | 383.7  | 385.9  | 390.4  | 396.1  |
| 52.5° | 323.1  | 314.1  | 314.1  | 310.8  | 342.2  | 363.5  | 370.2  | 371.4  | 374.8  | 382.5  | 390.4  |
| 55°   | 306.3  | 302.8  | 306.3  | 300.7  | 335.4  | 355.6  | 359.0  | 361.2  | 363.5  | 370.2  | 381.5  |
| 57.5° | 291.7  | 287.3  | 295.1  | 292.9  | 329.9  | 347.8  | 347.8  | 352.3  | 352.3  | 361.2  | 370.2  |
| 60°   | 283.8  | 274.9  | 278.2  | 280.5  | 322.0  | 341.1  | 338.8  | 343.3  | 345.6  | 353.4  | 360.1  |
| 62.5° | 273.7  | 265.9  | 265.9  | 271.5  | 313.0  | 330.9  | 329.9  | 333.2  | 342.2  | 344.3  | 351.2  |
| 65°   | 261.3  | 258.1  | 254.7  | 261.3  | 304.1  | 319.7  | 320.9  | 325.4  | 333.2  | 335.4  | 341.1  |
| 67.5° | 249.1  | 250.2  | 243.4  | 250.2  | 296.2  | 308.5  | 308.5  | 317.5  | 320.9  | 325.4  | 330.9  |
| 70°   | 235.6  | 236.8  | 231.1  | 239.0  | 290.5  | 296.2  | 295.1  | 307.3  | 309.6  | 313.0  | 318.6  |
| 72.5° | 218.7  | 218.7  | 216.6  | 227.7  | 281.6  | 283.8  | 281.6  | 291.7  | 292.9  | 296.2  | 298.4  |
| 75°   | 200.8  | 200.8  | 198.6  | 214.2  | 276.0  | 270.4  | 263.7  | 271.5  | 273.7  | 276.0  | 276.0  |
| 77.5° | 177.2  | 179.5  | 179.5  | 198.6  | 256.9  | 264.7  | 242.3  | 246.8  | 250.2  | 251.3  | 247.9  |
| 80°   | 148.0  | 153.7  | 155.9  | 180.6  | 215.3  | 244.5  | 216.6  | 219.9  | 221.0  | 221.0  | 216.6  |
| 82.5° | 113.3  | 123.4  | 129.0  | 155.9  | 164.9  | 205.3  | 188.5  | 191.9  | 188.5  | 181.7  | 179.5  |
| 85°   | 78.5   | 92.0   | 98.8   | 118.9  | 124.5  | 158.2  | 157.2  | 157.2  | 150.3  | 141.4  | 140.3  |
| 87.5° | 42.6   | 50.5   | 54.9   | 70.7   | 85.2   | 106.5  | 115.6  | 112.2  | 106.5  | 100.9  | 102.0  |
| 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: P193072

CATALOG NUMBER: GAN-AF-04-LED-U-SLR-7030

**CANDELA DISTRIBUTION (continued):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    | 285°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2 | 6895.2  | 6895.2  | 6895.2  | 6895.2  |
| 2.5°  | 6186.0 | 6338.6 | 6582.1 | 6768.3 | 6955.7 | 7136.3 | 7331.6 | 7480.8  | 7607.5  | 7656.9  | 7807.2  |
| 5°    | 4974.5 | 5165.1 | 5395.1 | 5810.2 | 6104.2 | 6428.4 | 6803.1 | 7298.9  | 7489.7  | 7753.4  | 8185.2  |
| 7.5°  | 3517.0 | 3689.9 | 4060.1 | 4395.5 | 4811.8 | 5270.6 | 5776.5 | 6460.9  | 6711.1  | 7134.1  | 7837.5  |
| 10°   | 2626.4 | 2827.2 | 3124.5 | 3407.1 | 3774.1 | 4243.0 | 4824.2 | 5589.2  | 5893.2  | 6352.2  | 7162.2  |
| 12.5° | 2116.0 | 2352.6 | 2667.9 | 2933.7 | 3217.5 | 3548.5 | 4112.8 | 4951.9  | 5359.2  | 5760.9  | 6579.8  |
| 15°   | 1625.6 | 1873.6 | 2166.4 | 2504.0 | 2817.0 | 3173.8 | 3765.1 | 4682.8  | 5151.7  | 5570.1  | 6269.1  |
| 17.5° | 1125.3 | 1337.4 | 1706.4 | 2058.7 | 2459.2 | 2915.8 | 3668.6 | 4740.0  | 5299.7  | 5782.2  | 6323.0  |
| 20°   | 797.7  | 918.9  | 1221.7 | 1630.1 | 2129.4 | 2702.6 | 3650.6 | 5040.6  | 5768.8  | 6319.5  | 6668.5  |
| 22.5° | 670.9  | 715.7  | 891.9  | 1266.7 | 1843.2 | 2543.3 | 3713.4 | 5462.4  | 6401.5  | 7104.9  | 7219.3  |
| 25°   | 611.5  | 638.4  | 730.4  | 994.0  | 1588.6 | 2427.7 | 3925.4 | 6090.6  | 7184.6  | 7890.2  | 7870.1  |
| 27.5° | 578.8  | 606.9  | 667.6  | 839.2  | 1396.8 | 2355.9 | 4137.5 | 6835.7  | 8079.8  | 8742.8  | 8491.5  |
| 30°   | 568.8  | 606.9  | 670.9  | 790.9  | 1259.9 | 2242.6 | 4311.4 | 7489.7  | 8768.6  | 9318.4  | 8774.3  |
| 32.5° | 560.9  | 566.5  | 595.7  | 682.1  | 1129.7 | 2110.3 | 4429.2 | 8076.5  | 9442.9  | 9865.9  | 9181.5  |
| 35°   | 453.2  | 481.3  | 528.4  | 611.5  | 1053.5 | 2030.6 | 4429.2 | 8582.5  | 10107.0 | 10419.0 | 9569.7  |
| 37.5° | 436.4  | 461.1  | 502.6  | 573.3  | 1010.8 | 1991.4 | 4340.6 | 9070.4  | 10785.7 | 11046.1 | 9889.4  |
| 40°   | 427.4  | 447.6  | 486.9  | 544.1  | 992.8  | 1946.5 | 4211.5 | 9501.3  | 11448.8 | 11674.4 | 10187.9 |
| 42.5° | 420.7  | 438.6  | 475.8  | 526.2  | 969.3  | 1897.1 | 4107.3 | 9846.8  | 12024.3 | 12210.6 | 10472.8 |
| 45°   | 417.4  | 436.4  | 476.8  | 535.2  | 922.1  | 1832.1 | 4072.4 | 10220.3 | 12497.8 | 12658.2 | 10781.2 |
| 47.5° | 417.4  | 439.8  | 482.4  | 554.2  | 866.1  | 1764.7 | 4181.3 | 10712.9 | 12945.5 | 13023.9 | 11144.8 |
| 50°   | 414.0  | 438.6  | 498.1  | 535.2  | 784.2  | 1679.5 | 4437.0 | 11333.3 | 13430.0 | 13439.1 | 11604.8 |
| 52.5° | 407.2  | 436.4  | 536.3  | 523.9  | 690.0  | 1567.4 | 4782.6 | 12129.9 | 14147.0 | 14200.9 | 12325.0 |
| 55°   | 399.4  | 433.0  | 526.2  | 498.1  | 612.5  | 1433.8 | 5065.3 | 13098.0 | 15154.4 | 15303.6 | 13384.0 |
| 57.5° | 389.3  | 428.6  | 509.3  | 462.1  | 562.0  | 1262.2 | 5167.4 | 13807.0 | 15857.9 | 16232.5 | 14577.8 |
| 60°   | 380.3  | 425.2  | 460.0  | 440.9  | 530.7  | 1117.4 | 4969.9 | 13666.8 | 15809.6 | 16617.4 | 15635.6 |
| 62.5° | 371.4  | 428.6  | 419.5  | 427.4  | 516.0  | 1024.3 | 4453.9 | 12543.8 | 15009.7 | 16220.2 | 16419.9 |
| 65°   | 361.2  | 398.2  | 396.1  | 416.2  | 512.8  | 987.2  | 3692.1 | 10859.9 | 13463.7 | 14964.8 | 16605.0 |
| 67.5° | 347.8  | 367.9  | 379.2  | 401.6  | 523.9  | 954.7  | 2979.7 | 8958.2  | 11315.3 | 13083.5 | 15640.3 |
| 70°   | 333.2  | 350.0  | 362.4  | 383.7  | 517.3  | 940.1  | 2478.2 | 7064.4  | 8978.5  | 10722.9 | 13736.4 |
| 72.5° | 314.1  | 328.8  | 339.9  | 360.1  | 510.5  | 932.3  | 2093.4 | 5689.1  | 6703.3  | 7965.3  | 11168.4 |
| 75°   | 291.7  | 305.2  | 313.0  | 333.2  | 489.2  | 853.8  | 1645.8 | 4814.0  | 5016.0  | 5541.0  | 8895.5  |
| 77.5° | 265.9  | 276.0  | 282.8  | 305.2  | 433.0  | 710.1  | 1190.3 | 3713.4  | 3895.2  | 4023.0  | 6820.0  |
| 80°   | 235.6  | 245.8  | 249.1  | 270.4  | 359.0  | 555.4  | 776.4  | 2743.0  | 2913.5  | 2942.7  | 4453.9  |
| 82.5° | 200.8  | 210.9  | 210.9  | 231.1  | 293.9  | 399.4  | 509.3  | 1879.2  | 1912.8  | 2011.6  | 3148.0  |
| 85°   | 161.6  | 169.4  | 169.4  | 179.5  | 227.7  | 298.4  | 350.0  | 943.5   | 933.4   | 1065.9  | 2727.3  |
| 87.5° | 115.6  | 121.2  | 126.7  | 129.0  | 162.7  | 197.4  | 210.9  | 287.3   | 189.6   | 217.7   | 1751.2  |
| 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: P193072

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**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6895.2  | 6895.2  | 6895.2  | 6895.2  | 6895.2  | 6895.2  | 6895.2  | 6895.2  |
| 2.5°  | 7920.5  | 7984.4  | 7919.3  | 7872.2  | 7669.2  | 7502.1  | 7278.8  | 7164.3  |
| 5°    | 8514.0  | 8676.6  | 8621.6  | 8424.2  | 8000.2  | 7523.4  | 6981.4  | 6736.9  |
| 7.5°  | 8442.1  | 8820.3  | 8829.2  | 8460.2  | 7835.2  | 7133.0  | 6399.2  | 6051.5  |
| 10°   | 7883.5  | 8367.0  | 8505.0  | 8147.1  | 7484.0  | 6698.8  | 5857.4  | 5460.2  |
| 12.5° | 7259.7  | 7733.2  | 7838.6  | 7715.3  | 7161.0  | 6372.3  | 5518.5  | 5129.2  |
| 15°   | 6749.3  | 6961.4  | 7087.0  | 7194.6  | 6883.9  | 6242.2  | 5499.4  | 5072.1  |
| 17.5° | 6438.5  | 6414.9  | 6450.8  | 6638.1  | 6690.9  | 6391.3  | 5791.2  | 5320.0  |
| 20°   | 6326.3  | 5966.2  | 5957.3  | 6215.2  | 6600.1  | 6747.0  | 6361.1  | 5795.6  |
| 22.5° | 6388.1  | 5804.6  | 5730.5  | 6036.9  | 6648.3  | 7259.7  | 7108.3  | 6463.2  |
| 25°   | 6601.1  | 5818.0  | 5758.6  | 6054.8  | 6823.4  | 7806.0  | 7914.8  | 7327.0  |
| 27.5° | 6936.7  | 5903.4  | 5824.8  | 6128.9  | 7055.5  | 8264.9  | 8709.2  | 8164.0  |
| 30°   | 7255.3  | 6051.5  | 5953.9  | 6274.6  | 7267.6  | 8446.8  | 9196.2  | 8816.9  |
| 32.5° | 7642.2  | 6328.6  | 6156.9  | 6542.9  | 7530.0  | 8736.2  | 9630.2  | 9357.6  |
| 35°   | 8021.5  | 6723.5  | 6510.3  | 6956.7  | 7822.9  | 9096.3  | 10126.1 | 10048.7 |
| 37.5° | 8437.6  | 7239.5  | 7063.4  | 7491.9  | 8223.4  | 9436.1  | 10758.9 | 10858.7 |
| 40°   | 8882.0  | 7923.9  | 7715.3  | 8272.8  | 8845.0  | 9862.5  | 11419.7 | 11659.7 |
| 42.5° | 9329.5  | 8683.4  | 8434.4  | 8999.8  | 9528.2  | 10283.2 | 11985.0 | 12340.8 |
| 45°   | 9842.3  | 9508.0  | 9390.2  | 10001.6 | 10184.5 | 10683.7 | 12402.4 | 12844.4 |
| 47.5° | 10439.1 | 10443.6 | 10633.2 | 10877.8 | 10846.3 | 11136.9 | 12822.0 | 13294.3 |
| 50°   | 11135.8 | 11611.5 | 12030.0 | 12192.7 | 11528.5 | 11623.9 | 13404.3 | 13896.8 |
| 52.5° | 11972.7 | 13008.3 | 13526.6 | 13420.0 | 12263.4 | 12218.5 | 14326.5 | 14726.9 |
| 55°   | 13019.5 | 14486.9 | 15001.9 | 14925.6 | 13108.1 | 13028.4 | 15475.3 | 15708.6 |
| 57.5° | 14231.1 | 15919.5 | 16392.9 | 16049.6 | 14122.3 | 13917.0 | 16425.5 | 16474.8 |
| 60°   | 15295.7 | 17055.0 | 17470.0 | 17089.7 | 15145.4 | 14862.7 | 17019.0 | 16780.0 |
| 62.5° | 15888.2 | 17439.8 | 17731.3 | 17321.9 | 15846.6 | 15870.1 | 17149.2 | 16615.2 |
| 65°   | 15623.4 | 16467.0 | 16561.3 | 16527.6 | 15666.0 | 16454.7 | 16681.2 | 15853.3 |
| 67.5° | 14173.8 | 14007.8 | 14166.0 | 14384.8 | 14117.8 | 15685.0 | 15385.6 | 14194.1 |
| 70°   | 11620.5 | 10708.4 | 11023.6 | 11170.5 | 11291.7 | 13497.4 | 13353.7 | 11561.0 |
| 72.5° | 8757.4  | 7502.1  | 7751.1  | 7720.8  | 8281.8  | 10826.2 | 10385.3 | 8500.5  |
| 75°   | 6205.2  | 5086.7  | 5118.0  | 5105.6  | 5778.8  | 8470.3  | 7520.0  | 5815.9  |
| 77.5° | 4341.8  | 3685.5  | 3702.2  | 3771.7  | 3885.0  | 6388.1  | 5372.8  | 4248.5  |
| 80°   | 2985.3  | 2796.8  | 2890.0  | 2895.6  | 2692.4  | 4291.1  | 3969.3  | 3409.4  |
| 82.5° | 2223.5  | 1944.3  | 1921.8  | 1954.3  | 2110.3  | 3476.7  | 3050.4  | 2364.9  |
| 85°   | 1820.8  | 1151.0  | 925.5   | 1160.0  | 1870.2  | 3443.1  | 2026.1  | 1247.5  |
| 87.5° | 1025.4  | 546.4   | 246.8   | 457.7   | 746.0   | 2279.7  | 585.6   | 159.3   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)