

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: P266932

Luminaire Tested: **GAN-AF-05-LED-U-SLL-7027-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266932
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-05-LED-U-SLL-7027-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22715.4 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

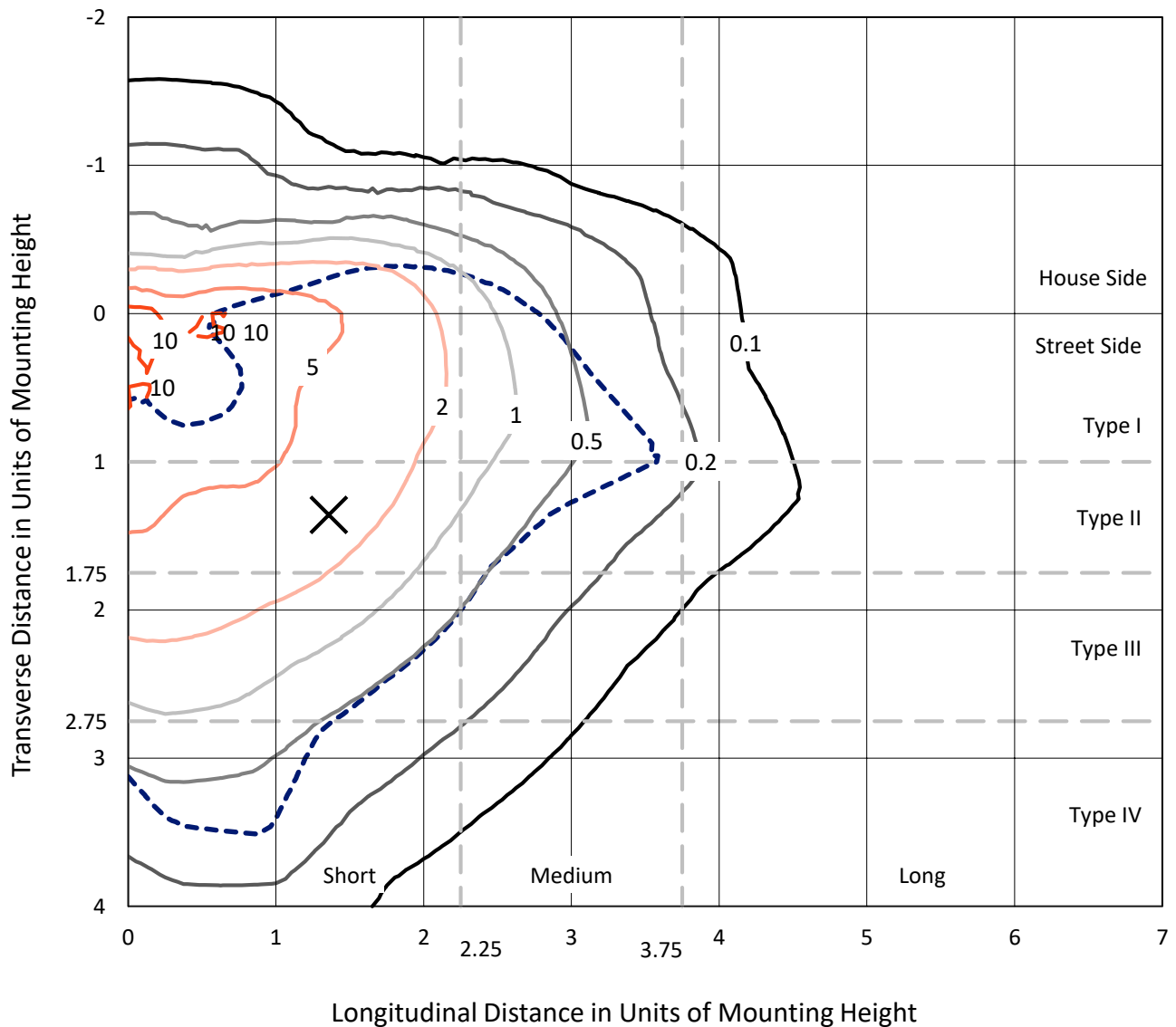
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P266932
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Iso-Footcandle Lines of Horizontal Illumination

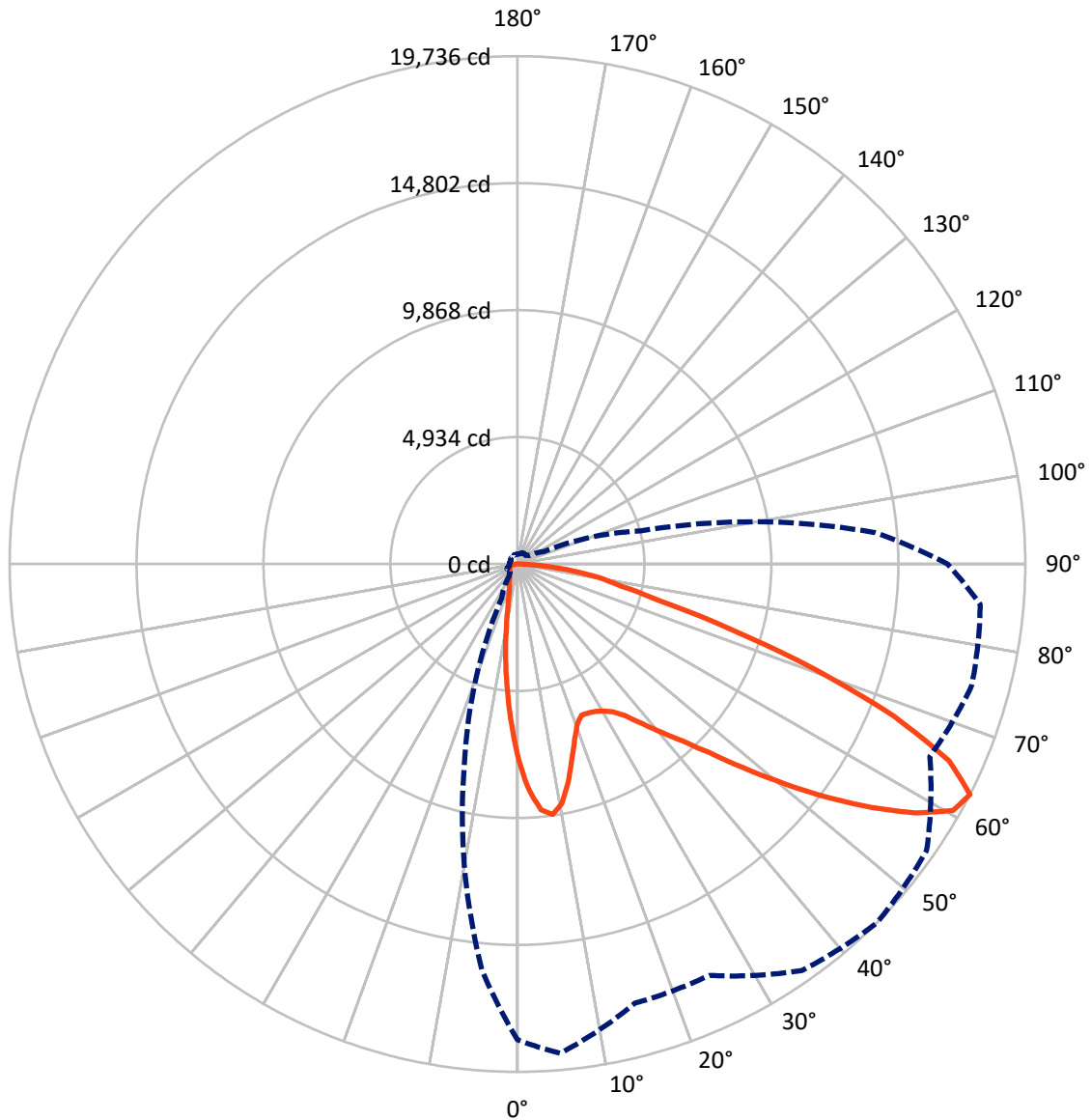
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 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 | 3759.1 | 0.0 | 3759.1 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 18956.3 | 0.0 | 18956.3 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 22715.4 | 0.0 | 22715.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 558.7 | 2.5 |
| 10°-20° | 1024.4 | 4.5 |
| 20°-30° | 1493.6 | 6.6 |
| 30°-40° | 2300.4 | 10.1 |
| 40°-50° | 3385.6 | 14.9 |
| 50°-60° | 4966.0 | 21.9 |
| 60°-70° | 5551.2 | 24.4 |
| 70°-80° | 2717.8 | 12.0 |
| 80°-90° | 717.6 | 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° | 22715.4 | 100.0 |
| 0°-180° | 22715.4 | 100.0 |



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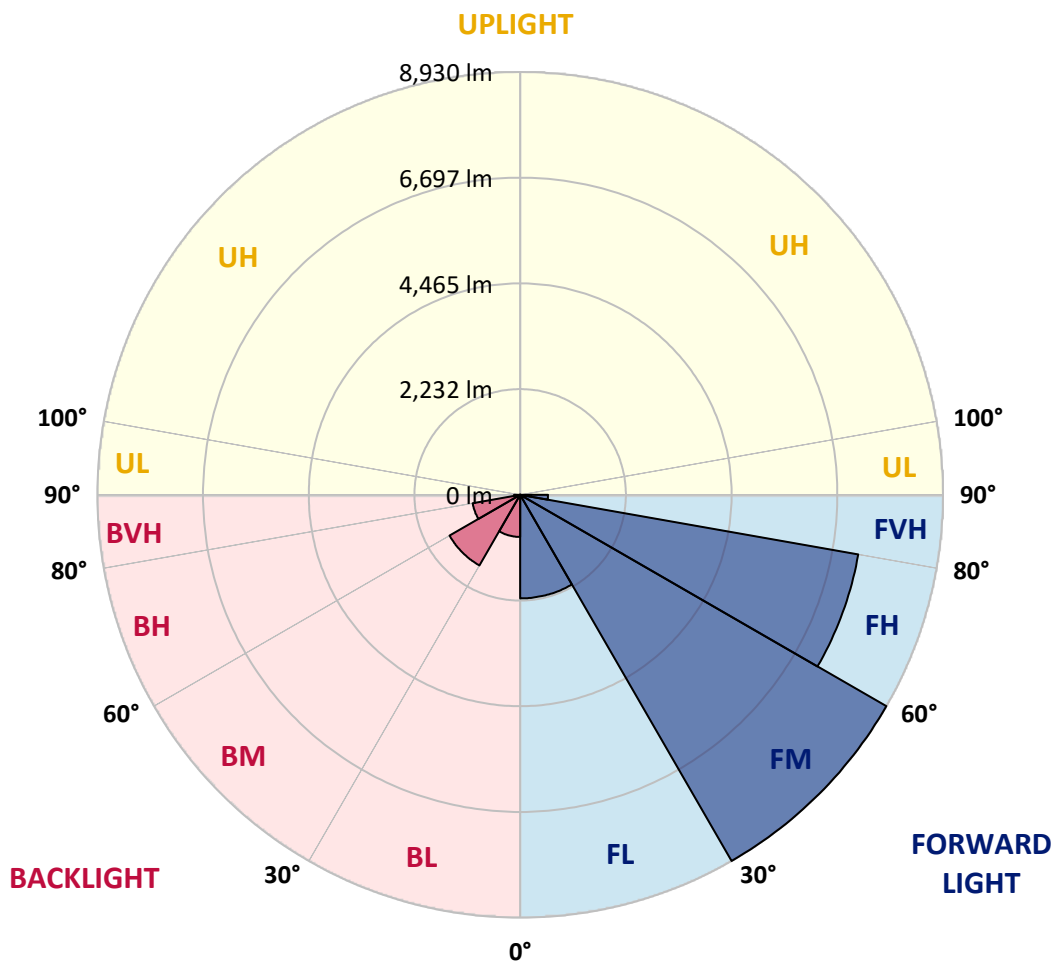
CATALOG NUMBER: GAN-AF-05-LED-U-SLL-7027-ADJ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 2187.4 | 9.6 | | | |
| FM | (30°-60°) | 8929.6 | 39.3 | | | |
| FH | (60°-80°) | 7250.0 | 31.9 | | | G3/7500 |
| FVH | (80°-90°) | 589.3 | 2.6 | | | G4/750 |
| BL | (0°-30°) | 889.3 | 3.9 | B2/1000 | | |
| BM | (30°-60°) | 1722.4 | 7.6 | B2/2500 | | |
| BH | (60°-80°) | 1019.1 | 4.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 128.3 | 0.6 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P266932
 CATALOG NUMBER: GAN-AF-05-LED-U-SLL-7027-ADJ

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 |
| 2.5° | 7974.2 | 8101.5 | 8350.0 | 8536.1 | 8762.1 | 8814.6 | 8887.0 | 8815.7 | 8689.7 | 8522.4 | 8467.5 |
| 5° | 7498.4 | 7770.7 | 8373.8 | 8904.4 | 9376.5 | 9596.2 | 9657.4 | 9476.4 | 9110.5 | 8629.7 | 8336.4 |
| 7.5° | 6735.5 | 7122.7 | 7939.2 | 8720.8 | 9416.5 | 9827.3 | 9817.2 | 9396.5 | 8723.4 | 7940.5 | 7469.6 |
| 10° | 6077.5 | 6519.4 | 7455.9 | 8330.1 | 9068.0 | 9466.3 | 9312.8 | 8774.6 | 7971.6 | 7070.1 | 6559.5 |
| 12.5° | 5709.1 | 6142.3 | 7092.6 | 7970.4 | 8587.3 | 8724.7 | 8607.3 | 8080.3 | 7323.6 | 6412.0 | 5965.0 |
| 15° | 5645.4 | 6121.1 | 6947.8 | 7662.1 | 8007.9 | 7887.9 | 7748.2 | 7512.2 | 6977.8 | 6199.8 | 5734.1 |
| 17.5° | 5921.3 | 6445.8 | 7113.8 | 7447.2 | 7388.5 | 7180.1 | 7140.1 | 7166.3 | 7037.6 | 6435.7 | 5898.8 |
| 20° | 6450.8 | 7080.1 | 7509.7 | 7346.1 | 6917.8 | 6630.6 | 6640.6 | 7041.5 | 7422.2 | 7033.9 | 6420.7 |
| 22.5° | 7193.7 | 7911.7 | 8080.3 | 7399.8 | 6719.2 | 6378.3 | 6460.8 | 7110.1 | 8035.3 | 7908.0 | 7125.0 |
| 25° | 8155.3 | 8809.6 | 8688.4 | 7594.6 | 6739.3 | 6409.5 | 6475.7 | 7347.3 | 8759.6 | 8782.1 | 7996.6 |
| 27.5° | 9086.7 | 9693.6 | 9199.2 | 7853.1 | 6821.5 | 6483.2 | 6570.7 | 7720.8 | 9451.3 | 9731.1 | 8993.1 |
| 30° | 9813.5 | 10235.6 | 9401.4 | 8089.1 | 6984.0 | 6626.8 | 6735.5 | 8075.4 | 9766.1 | 10371.7 | 9759.8 |
| 32.5° | 10415.4 | 10718.8 | 9723.7 | 8381.2 | 7282.4 | 6852.8 | 7043.9 | 8506.1 | 10219.3 | 10981.1 | 10510.3 |
| 35° | 11184.5 | 11270.8 | 10124.4 | 8707.1 | 7743.2 | 7246.2 | 7483.4 | 8928.2 | 10651.4 | 11596.6 | 11249.6 |
| 37.5° | 12086.2 | 11974.9 | 10502.9 | 9152.9 | 8338.7 | 7861.7 | 8057.8 | 9391.4 | 11007.2 | 12294.7 | 12004.9 |
| 40° | 12977.8 | 12710.5 | 10977.3 | 9844.7 | 9207.8 | 8587.3 | 8819.5 | 9885.9 | 11339.5 | 12994.0 | 12742.9 |
| 42.5° | 13735.7 | 13339.8 | 11445.6 | 10605.2 | 10017.0 | 9387.6 | 9665.0 | 10384.1 | 11656.5 | 13590.7 | 13383.5 |
| 45° | 14296.3 | 13804.3 | 11891.4 | 11335.6 | 11132.2 | 10451.6 | 10582.8 | 10954.8 | 12000.0 | 14089.0 | 13910.4 |
| 47.5° | 14797.1 | 14271.4 | 12395.8 | 12072.4 | 12107.4 | 11835.1 | 11624.1 | 11619.0 | 12404.5 | 14496.0 | 14408.8 |
| 50° | 15467.6 | 14919.4 | 12937.7 | 12831.6 | 13570.9 | 13389.7 | 12924.0 | 12394.5 | 12916.5 | 14958.1 | 14948.2 |
| 52.5° | 16391.6 | 15945.9 | 13599.5 | 13649.4 | 14936.8 | 15055.6 | 14478.6 | 13326.0 | 13718.1 | 15805.9 | 15746.1 |
| 55° | 17484.3 | 17224.6 | 14501.1 | 14589.7 | 16612.6 | 16697.5 | 16124.4 | 14491.1 | 14897.0 | 17033.5 | 16867.4 |
| 57.5° | 18337.1 | 18282.1 | 15490.1 | 15718.6 | 17863.9 | 18246.0 | 17719.0 | 15839.8 | 16225.5 | 18067.4 | 17650.3 |
| 60° | 18676.8 | 18942.6 | 16542.7 | 16857.5 | 19021.4 | 19444.7 | 18982.7 | 17024.7 | 17403.0 | 18495.7 | 17596.5 |
| 62.5° | 18493.1 | 19087.5 | 17664.0 | 17637.9 | 19279.9 | 19735.7 | 19410.9 | 17684.0 | 18275.8 | 18053.6 | 16706.3 |
| 65° | 17645.3 | 18566.9 | 18314.6 | 17436.8 | 18395.9 | 18433.3 | 18328.4 | 17389.3 | 18482.0 | 16656.4 | 14985.6 |
| 67.5° | 15798.5 | 17124.6 | 17458.0 | 15713.6 | 16010.9 | 15767.3 | 15591.3 | 15776.0 | 17408.1 | 14562.3 | 12594.3 |
| 70° | 12867.9 | 14863.3 | 15023.1 | 12568.1 | 12433.4 | 12269.7 | 11918.8 | 12933.9 | 15289.1 | 11935.1 | 9993.4 |
| 72.5° | 9461.4 | 11559.2 | 12050.0 | 9217.9 | 8593.5 | 8627.2 | 8350.0 | 9747.2 | 12430.7 | 8865.7 | 7461.0 |
| 75° | 6473.2 | 8370.0 | 9427.6 | 6432.0 | 5682.8 | 5696.5 | 5661.6 | 6906.6 | 9900.8 | 6167.4 | 5583.0 |
| 77.5° | 4728.8 | 5979.9 | 7110.1 | 4324.3 | 4198.0 | 4120.6 | 4102.0 | 4832.4 | 7590.8 | 4477.8 | 4335.5 |
| 80° | 3794.8 | 4417.9 | 4776.3 | 2996.8 | 3222.8 | 3216.7 | 3112.9 | 3322.8 | 4957.3 | 3275.3 | 3242.9 |
| 82.5° | 2632.3 | 3395.2 | 3869.7 | 2348.8 | 2175.2 | 2139.0 | 2163.9 | 2474.9 | 3503.8 | 2238.9 | 2129.1 |
| 85° | 1388.5 | 2255.1 | 3832.3 | 2081.6 | 1291.1 | 1030.1 | 1281.2 | 2026.7 | 3035.6 | 1186.2 | 1038.9 |
| 87.5° | 177.3 | 651.8 | 2537.4 | 830.5 | 509.5 | 274.7 | 608.2 | 1141.2 | 1949.2 | 242.3 | 211.0 |
| 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-05-LED-U-SLL-7027-ADJ

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 |
| 2.5° | 8326.3 | 8160.3 | 7943.0 | 7742.0 | 7533.4 | 7326.0 | 7055.2 | 6885.2 | 6767.9 | 6745.5 | 6695.4 |
| 5° | 8124.0 | 7572.2 | 7155.0 | 6794.2 | 6467.0 | 6005.0 | 5749.1 | 5536.8 | 5423.1 | 5411.8 | 5384.4 |
| 7.5° | 7191.2 | 6429.4 | 5866.4 | 5355.6 | 4892.3 | 4519.1 | 4107.1 | 3914.6 | 3836.0 | 3854.7 | 3873.4 |
| 10° | 6221.0 | 5369.3 | 4722.6 | 4200.7 | 3792.3 | 3477.6 | 3146.8 | 2923.3 | 2768.3 | 2737.1 | 2730.8 |
| 12.5° | 5511.7 | 4577.8 | 3949.6 | 3581.3 | 3265.3 | 2969.3 | 2618.5 | 2355.0 | 2154.0 | 2085.3 | 2039.2 |
| 15° | 5212.1 | 4190.7 | 3532.6 | 3135.4 | 2787.1 | 2411.2 | 2085.3 | 1809.4 | 1624.6 | 1564.6 | 1530.9 |
| 17.5° | 5275.7 | 4083.2 | 3245.3 | 2737.1 | 2291.3 | 1899.2 | 1488.4 | 1252.4 | 1141.2 | 1112.6 | 1112.6 |
| 20° | 5610.4 | 4063.3 | 3008.2 | 2370.0 | 1814.3 | 1359.9 | 1022.7 | 887.9 | 851.7 | 847.9 | 857.8 |
| 22.5° | 6079.9 | 4133.2 | 2830.7 | 2051.5 | 1409.8 | 992.6 | 796.6 | 746.8 | 730.5 | 734.3 | 745.5 |
| 25° | 6779.1 | 4369.1 | 2702.2 | 1768.1 | 1106.4 | 812.8 | 710.5 | 680.6 | 673.0 | 683.0 | 696.7 |
| 27.5° | 7608.4 | 4605.3 | 2622.2 | 1554.6 | 934.0 | 743.0 | 675.5 | 644.4 | 649.4 | 661.8 | 674.3 |
| 30° | 8336.4 | 4798.7 | 2496.1 | 1402.3 | 880.2 | 746.8 | 675.5 | 633.0 | 628.0 | 630.6 | 634.4 |
| 32.5° | 8989.3 | 4929.9 | 2348.8 | 1257.4 | 759.2 | 663.0 | 630.6 | 624.3 | 596.8 | 587.0 | 588.1 |
| 35° | 9552.5 | 4929.9 | 2260.1 | 1172.5 | 680.6 | 588.1 | 535.7 | 504.5 | 490.7 | 492.0 | 505.7 |
| 37.5° | 10095.7 | 4831.3 | 2216.5 | 1125.0 | 638.1 | 559.5 | 513.2 | 485.8 | 466.9 | 463.3 | 465.9 |
| 40° | 10575.1 | 4687.6 | 2166.5 | 1105.0 | 605.5 | 541.9 | 498.2 | 475.7 | 455.8 | 449.5 | 450.8 |
| 42.5° | 10959.9 | 4571.5 | 2111.6 | 1078.9 | 585.6 | 529.5 | 488.3 | 468.2 | 445.7 | 439.5 | 438.4 |
| 45° | 11375.6 | 4532.8 | 2039.2 | 1026.5 | 595.7 | 530.7 | 485.8 | 464.6 | 442.1 | 434.5 | 432.1 |
| 47.5° | 11923.8 | 4653.8 | 1964.2 | 964.1 | 616.9 | 536.9 | 489.4 | 464.6 | 440.8 | 434.5 | 432.1 |
| 50° | 12614.3 | 4938.6 | 1869.4 | 872.9 | 595.7 | 554.4 | 488.3 | 460.8 | 440.8 | 434.5 | 429.6 |
| 52.5° | 13500.8 | 5323.1 | 1744.4 | 768.0 | 583.1 | 596.8 | 485.8 | 453.3 | 434.5 | 425.7 | 417.1 |
| 55° | 14578.6 | 5637.9 | 1595.7 | 681.9 | 554.4 | 585.6 | 482.0 | 444.5 | 424.5 | 412.1 | 404.5 |
| 57.5° | 15367.8 | 5751.5 | 1404.8 | 625.6 | 514.5 | 566.9 | 477.0 | 433.3 | 412.1 | 402.1 | 392.1 |
| 60° | 15211.5 | 5531.8 | 1243.8 | 590.6 | 490.7 | 511.9 | 473.2 | 423.3 | 400.9 | 393.4 | 384.7 |
| 62.5° | 13961.6 | 4957.3 | 1140.0 | 574.3 | 475.7 | 466.9 | 477.0 | 413.3 | 390.9 | 383.3 | 380.8 |
| 65° | 12087.4 | 4109.4 | 1098.8 | 570.7 | 463.3 | 440.8 | 443.4 | 402.1 | 379.7 | 373.3 | 370.9 |
| 67.5° | 9970.8 | 3316.5 | 1062.7 | 583.1 | 447.0 | 422.1 | 409.5 | 387.1 | 368.3 | 362.1 | 357.2 |
| 70° | 7863.0 | 2758.3 | 1046.4 | 575.6 | 427.1 | 403.2 | 389.5 | 370.9 | 354.7 | 348.5 | 344.6 |
| 72.5° | 6332.2 | 2330.1 | 1037.6 | 568.2 | 400.9 | 378.4 | 365.9 | 349.6 | 332.2 | 329.7 | 325.9 |
| 75° | 5358.2 | 1831.9 | 950.2 | 544.5 | 370.9 | 348.5 | 339.6 | 324.6 | 307.2 | 307.2 | 304.6 |
| 77.5° | 4133.2 | 1324.9 | 790.4 | 482.0 | 339.6 | 314.6 | 307.2 | 295.9 | 276.0 | 279.7 | 278.5 |
| 80° | 3053.1 | 864.1 | 618.2 | 399.6 | 300.9 | 277.1 | 273.4 | 262.2 | 240.9 | 246.0 | 246.0 |
| 82.5° | 2091.6 | 566.9 | 444.5 | 327.2 | 257.3 | 234.7 | 234.7 | 223.5 | 199.9 | 202.3 | 209.8 |
| 85° | 1050.2 | 389.5 | 332.2 | 253.5 | 199.9 | 188.6 | 188.6 | 179.8 | 156.0 | 157.4 | 167.4 |
| 87.5° | 319.6 | 234.7 | 219.7 | 181.1 | 143.5 | 141.2 | 134.8 | 128.5 | 113.6 | 112.4 | 118.7 |
| 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: GAN-AF-05-LED-U-SLL-7027-ADJ

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 | 7674.5 |
| 2.5° | 6619.3 | 6548.1 | 6462.0 | 6272.1 | 6208.5 | 6204.8 | 6262.3 | 6202.3 | 6317.2 | 6268.5 | 6322.1 |
| 5° | 5338.2 | 5268.3 | 5172.1 | 4929.9 | 4782.4 | 4682.7 | 4635.2 | 4495.3 | 4596.4 | 4522.7 | 4584.1 |
| 7.5° | 3926.0 | 3942.1 | 3878.4 | 3736.1 | 3415.1 | 3254.1 | 3159.2 | 3074.3 | 3148.0 | 3140.5 | 3257.9 |
| 10° | 2759.7 | 2803.3 | 2758.3 | 2614.7 | 2355.0 | 2266.3 | 2283.9 | 2317.5 | 2413.7 | 2463.7 | 2644.7 |
| 12.5° | 1986.7 | 1984.1 | 1955.5 | 1826.9 | 1655.8 | 1665.7 | 1737.0 | 1795.6 | 1884.3 | 1936.7 | 2121.5 |
| 15° | 1483.5 | 1461.0 | 1448.4 | 1343.5 | 1246.2 | 1267.4 | 1302.5 | 1308.7 | 1364.9 | 1396.1 | 1546.0 |
| 17.5° | 1121.4 | 1132.6 | 1146.2 | 1071.4 | 997.7 | 984.0 | 956.4 | 922.7 | 939.0 | 945.2 | 1020.1 |
| 20° | 890.3 | 935.2 | 969.0 | 916.5 | 841.6 | 801.6 | 766.8 | 744.2 | 744.2 | 743.0 | 764.2 |
| 22.5° | 777.9 | 810.5 | 846.7 | 810.5 | 743.0 | 708.0 | 688.0 | 670.6 | 668.1 | 668.1 | 688.0 |
| 25° | 716.8 | 740.5 | 775.4 | 750.4 | 700.5 | 674.3 | 655.6 | 633.0 | 624.3 | 621.8 | 635.6 |
| 27.5° | 686.8 | 696.7 | 714.2 | 691.8 | 649.4 | 636.9 | 631.9 | 611.8 | 600.6 | 594.4 | 608.2 |
| 30° | 635.6 | 633.0 | 634.4 | 611.8 | 578.1 | 576.9 | 585.6 | 589.4 | 585.6 | 584.3 | 605.5 |
| 32.5° | 588.1 | 583.1 | 581.9 | 561.9 | 530.7 | 523.3 | 530.7 | 538.2 | 546.9 | 559.5 | 584.3 |
| 35° | 528.3 | 540.7 | 548.1 | 530.7 | 493.2 | 470.7 | 462.0 | 448.3 | 440.8 | 440.8 | 469.5 |
| 37.5° | 480.8 | 509.5 | 520.7 | 504.5 | 463.3 | 432.1 | 417.1 | 414.6 | 415.8 | 420.9 | 448.3 |
| 40° | 464.6 | 485.8 | 495.8 | 479.4 | 438.4 | 409.5 | 400.9 | 398.3 | 400.9 | 408.3 | 435.8 |
| 42.5° | 454.5 | 469.5 | 468.2 | 448.3 | 414.6 | 394.5 | 389.5 | 387.1 | 389.5 | 397.1 | 427.1 |
| 45° | 445.7 | 455.8 | 445.7 | 422.1 | 390.9 | 380.8 | 382.0 | 380.8 | 383.3 | 390.9 | 419.6 |
| 47.5° | 438.4 | 442.1 | 429.6 | 405.9 | 373.3 | 370.9 | 375.9 | 379.7 | 382.0 | 388.3 | 418.3 |
| 50° | 427.1 | 427.1 | 415.8 | 390.9 | 358.3 | 359.6 | 365.9 | 374.7 | 375.9 | 383.3 | 407.1 |
| 52.5° | 413.3 | 412.1 | 404.5 | 380.8 | 345.8 | 349.6 | 349.6 | 359.6 | 362.1 | 370.9 | 395.9 |
| 55° | 402.1 | 399.6 | 395.9 | 373.3 | 334.7 | 340.8 | 337.1 | 340.8 | 347.1 | 355.9 | 383.3 |
| 57.5° | 392.1 | 387.1 | 387.1 | 367.0 | 325.9 | 328.4 | 319.6 | 324.6 | 332.2 | 339.6 | 368.3 |
| 60° | 382.0 | 377.1 | 379.7 | 358.3 | 312.3 | 309.6 | 306.0 | 315.9 | 318.4 | 327.2 | 355.9 |
| 62.5° | 370.9 | 367.0 | 368.3 | 348.5 | 302.2 | 295.9 | 295.9 | 304.6 | 306.0 | 318.4 | 345.8 |
| 65° | 362.1 | 357.2 | 355.9 | 338.4 | 291.0 | 283.4 | 287.2 | 291.0 | 293.4 | 306.0 | 332.2 |
| 67.5° | 353.4 | 343.4 | 343.4 | 329.7 | 278.5 | 271.0 | 278.5 | 277.1 | 281.0 | 292.2 | 313.4 |
| 70° | 342.2 | 328.4 | 329.7 | 323.4 | 266.0 | 257.3 | 263.5 | 262.2 | 264.7 | 272.2 | 293.4 |
| 72.5° | 324.6 | 313.4 | 315.9 | 313.4 | 253.5 | 240.9 | 243.5 | 243.5 | 243.5 | 249.8 | 272.2 |
| 75° | 302.2 | 293.4 | 300.9 | 307.2 | 238.5 | 221.1 | 223.5 | 223.5 | 219.7 | 223.5 | 250.9 |
| 77.5° | 274.7 | 269.8 | 294.7 | 285.9 | 221.1 | 199.9 | 199.9 | 197.3 | 189.8 | 194.8 | 224.8 |
| 80° | 244.8 | 240.9 | 272.2 | 239.8 | 201.0 | 173.6 | 171.0 | 164.7 | 157.4 | 161.1 | 191.1 |
| 82.5° | 213.5 | 209.8 | 228.4 | 183.6 | 173.6 | 143.5 | 137.4 | 126.1 | 118.7 | 122.3 | 149.8 |
| 85° | 174.8 | 174.8 | 176.1 | 138.6 | 132.4 | 110.0 | 102.3 | 87.5 | 78.7 | 81.1 | 107.3 |
| 87.5° | 124.9 | 128.5 | 118.7 | 95.0 | 78.7 | 61.2 | 56.2 | 47.4 | 40.0 | 46.3 | 56.2 |
| 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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