

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: P266852

Luminaire Tested: **GAN-AF-04-LED-U-SLL-7027-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266852
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-SLL-7027-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 18333.1 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

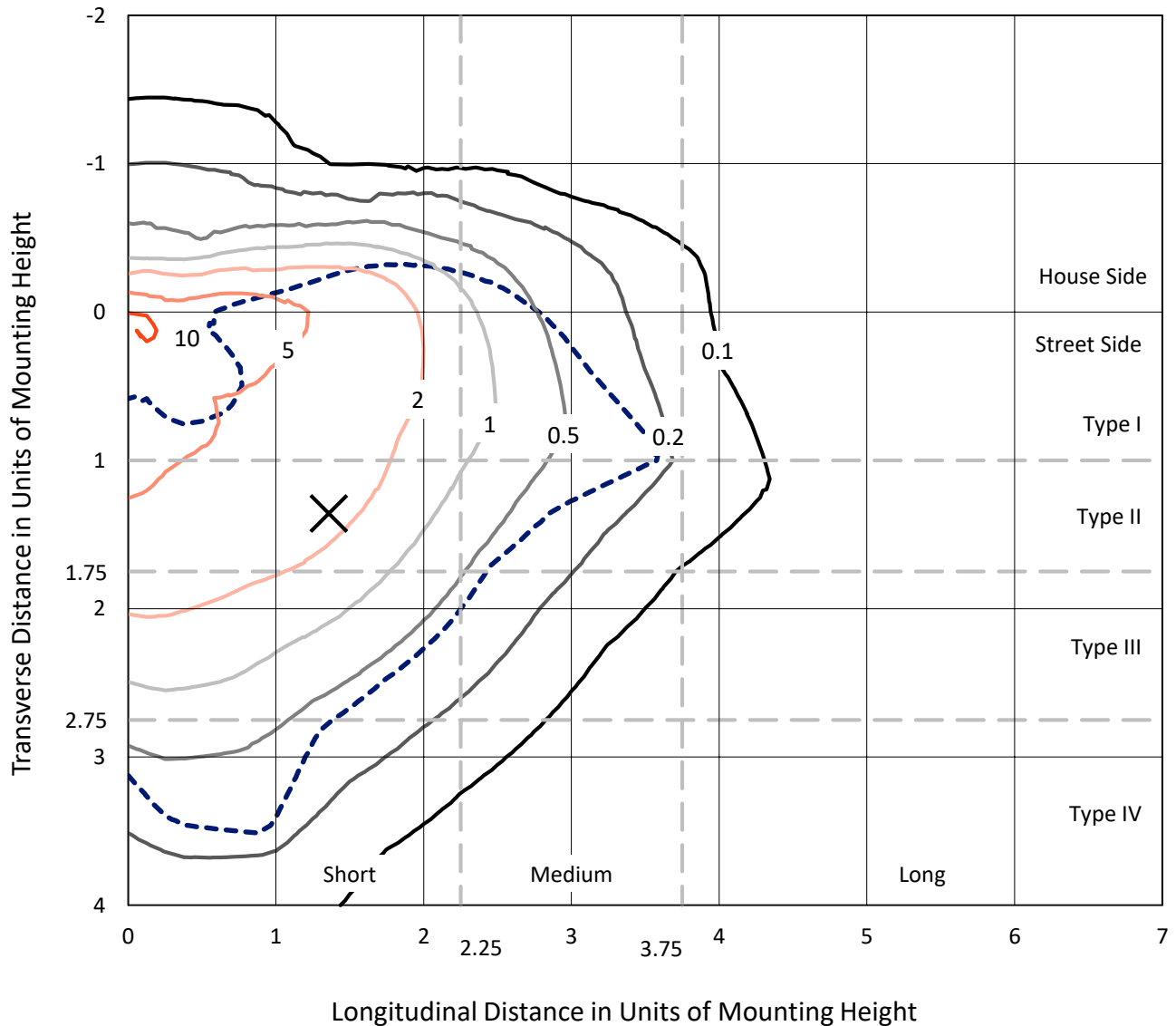
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P266852
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Iso-Footcandle Lines of Horizontal Illumination

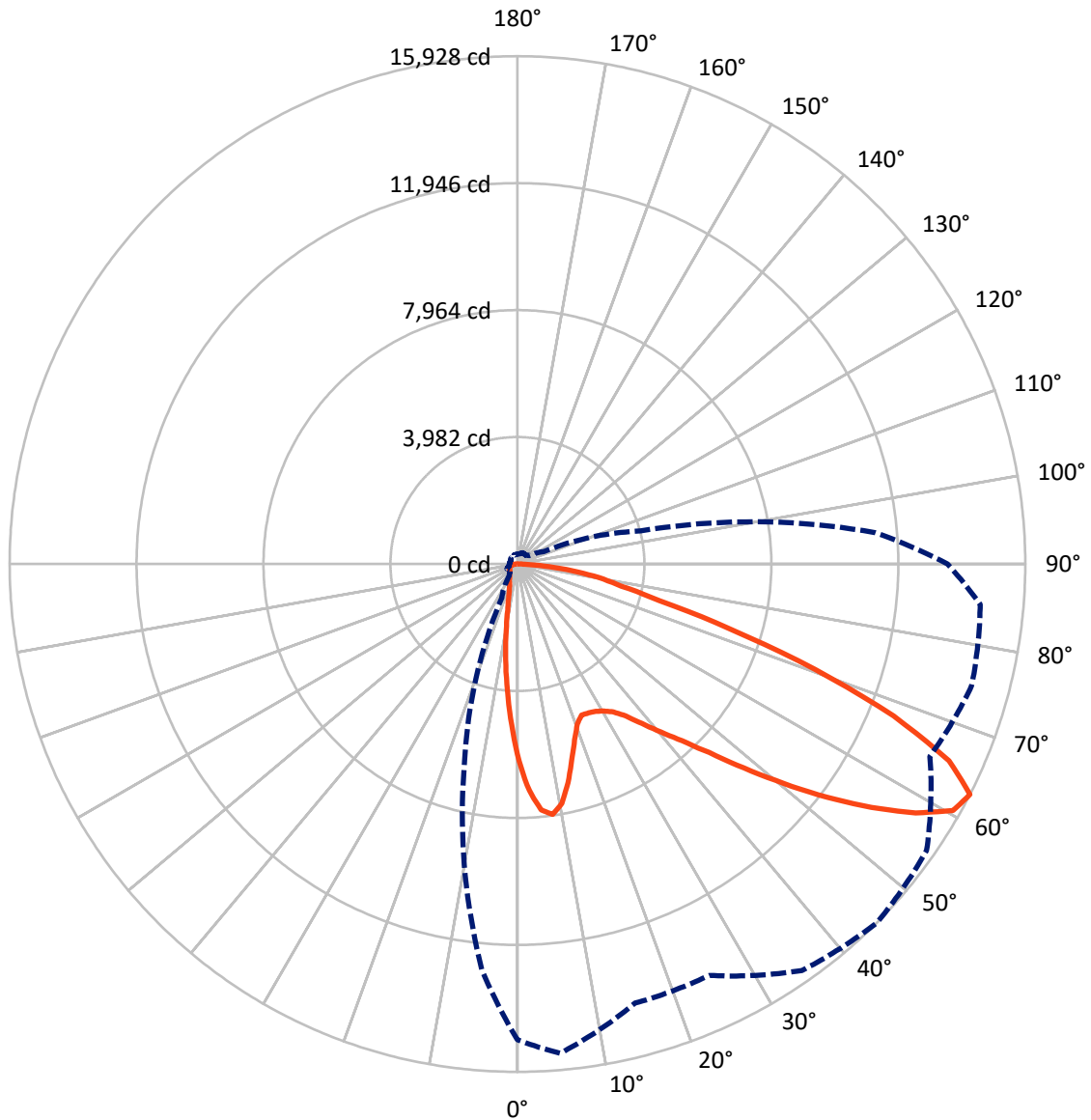
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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 | 3033.9 | 0.0 | 3033.9 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 15299.2 | 0.0 | 15299.2 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 18333.1 | 0.0 | 18333.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 450.9 | 2.5 |
| 10°-20° | 826.8 | 4.5 |
| 20°-30° | 1205.5 | 6.6 |
| 30°-40° | 1856.6 | 10.1 |
| 40°-50° | 2732.5 | 14.9 |
| 50°-60° | 4007.9 | 21.9 |
| 60°-70° | 4480.3 | 24.4 |
| 70°-80° | 2193.5 | 12.0 |
| 80°-90° | 579.1 | 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° | 18333.1 | 100.0 |
| 0°-180° | 18333.1 | 100.0 |

Coefficient of Utilization



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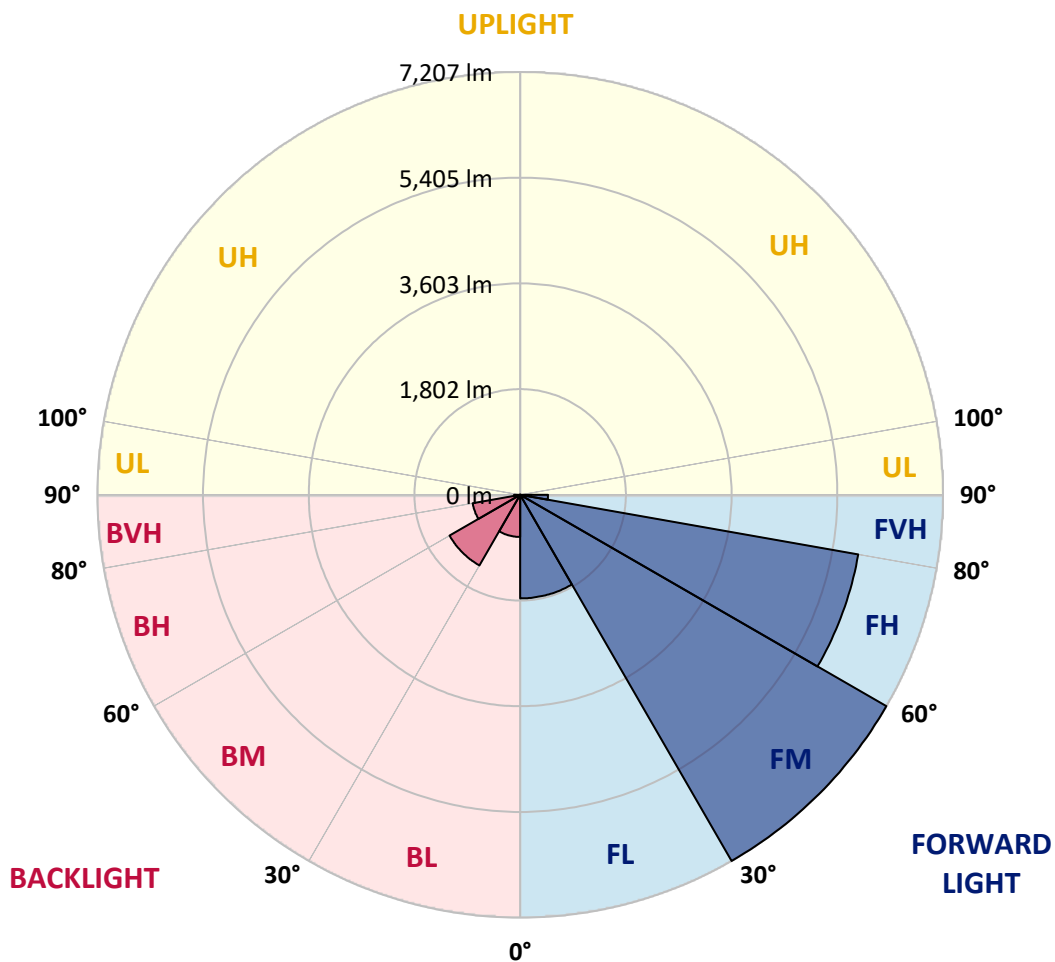
CATALOG NUMBER: GAN-AF-04-LED-U-SLL-7027-ADJ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1765.4 | 9.6 | | | |
| FM | (30°-60°) | 7206.9 | 39.3 | | | |
| FH | (60°-80°) | 5851.3 | 31.9 | | | G3/7500 |
| FVH | (80°-90°) | 475.6 | 2.6 | | | G3/500 |
| BL | (0°-30°) | 717.8 | 3.9 | B2/1000 | | |
| BM | (30°-60°) | 1390.1 | 7.6 | B2/2500 | | |
| BH | (60°-80°) | 822.5 | 4.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 103.5 | 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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 |
| 2.5° | 6435.7 | 6538.6 | 6739.2 | 6889.3 | 7071.6 | 7113.9 | 7172.4 | 7115.0 | 7013.2 | 6878.2 | 6833.9 |
| 5° | 6051.8 | 6271.4 | 6758.3 | 7186.6 | 7567.5 | 7744.8 | 7794.2 | 7648.2 | 7352.8 | 6964.9 | 6728.0 |
| 7.5° | 5436.1 | 5748.4 | 6407.6 | 7038.4 | 7599.8 | 7931.3 | 7923.3 | 7583.6 | 7040.5 | 6408.6 | 6028.6 |
| 10° | 4904.9 | 5261.7 | 6017.6 | 6722.9 | 7318.6 | 7640.1 | 7516.1 | 7081.8 | 6433.8 | 5706.2 | 5293.9 |
| 12.5° | 4607.6 | 4957.3 | 5724.3 | 6432.8 | 6930.7 | 7041.5 | 6946.8 | 6521.4 | 5910.7 | 5175.0 | 4814.2 |
| 15° | 4556.3 | 4940.1 | 5607.4 | 6183.8 | 6462.9 | 6366.3 | 6253.5 | 6062.9 | 5631.6 | 5003.6 | 4627.8 |
| 17.5° | 4779.0 | 5202.3 | 5741.3 | 6010.5 | 5963.0 | 5794.8 | 5762.5 | 5783.7 | 5680.0 | 5194.2 | 4760.7 |
| 20° | 5206.2 | 5714.2 | 6060.9 | 5928.9 | 5583.1 | 5351.5 | 5359.5 | 5682.9 | 5990.3 | 5676.8 | 5182.1 |
| 22.5° | 5805.9 | 6385.4 | 6521.4 | 5972.2 | 5423.0 | 5147.7 | 5214.3 | 5738.5 | 6485.1 | 6382.4 | 5750.5 |
| 25° | 6581.9 | 7109.9 | 7012.2 | 6129.5 | 5439.1 | 5173.0 | 5226.3 | 5929.8 | 7069.8 | 7087.8 | 6454.0 |
| 27.5° | 7333.8 | 7823.5 | 7424.4 | 6338.0 | 5505.6 | 5232.4 | 5303.1 | 6231.3 | 7628.0 | 7853.7 | 7258.1 |
| 30° | 7920.3 | 8261.0 | 7587.8 | 6528.5 | 5636.5 | 5348.4 | 5436.1 | 6517.5 | 7882.0 | 8370.8 | 7876.9 |
| 32.5° | 8406.0 | 8650.9 | 7847.8 | 6764.2 | 5877.5 | 5530.8 | 5685.0 | 6865.0 | 8247.8 | 8862.6 | 8482.6 |
| 35° | 9026.8 | 9096.3 | 8171.3 | 7027.4 | 6249.2 | 5848.2 | 6039.8 | 7205.8 | 8596.5 | 9359.4 | 9079.2 |
| 37.5° | 9754.4 | 9664.8 | 8476.5 | 7387.1 | 6730.0 | 6345.1 | 6503.3 | 7579.5 | 8883.7 | 9922.8 | 9688.8 |
| 40° | 10474.0 | 10258.4 | 8859.5 | 7945.5 | 7431.5 | 6930.7 | 7118.1 | 7978.7 | 9151.8 | 10487.2 | 10284.5 |
| 42.5° | 11085.8 | 10766.2 | 9237.5 | 8559.2 | 8084.6 | 7576.7 | 7800.3 | 8380.7 | 9407.8 | 10968.8 | 10801.5 |
| 45° | 11538.2 | 11141.1 | 9597.2 | 9148.8 | 8984.5 | 8435.3 | 8541.1 | 8841.4 | 9684.8 | 11370.9 | 11226.8 |
| 47.5° | 11942.3 | 11518.1 | 10004.3 | 9743.3 | 9771.6 | 9551.9 | 9381.5 | 9377.5 | 10011.4 | 11699.4 | 11629.0 |
| 50° | 12483.6 | 12041.2 | 10441.8 | 10356.1 | 10952.8 | 10806.6 | 10430.7 | 10003.3 | 10424.7 | 12072.4 | 12064.2 |
| 52.5° | 13229.2 | 12869.6 | 10975.9 | 11016.3 | 12055.3 | 12151.0 | 11685.4 | 10755.1 | 11071.6 | 12756.7 | 12708.3 |
| 55° | 14111.1 | 13901.5 | 11703.5 | 11775.1 | 13407.7 | 13476.3 | 13013.7 | 11695.5 | 12022.9 | 13747.3 | 13613.3 |
| 57.5° | 14799.4 | 14755.1 | 12501.7 | 12686.1 | 14417.4 | 14725.8 | 14300.6 | 12783.9 | 13095.3 | 14581.7 | 14245.2 |
| 60° | 15073.6 | 15288.3 | 13351.2 | 13605.2 | 15351.8 | 15693.4 | 15320.6 | 13740.2 | 14045.5 | 14927.5 | 14201.8 |
| 62.5° | 14925.5 | 15405.2 | 14256.2 | 14235.1 | 15560.4 | 15928.1 | 15666.3 | 14272.5 | 14750.1 | 14570.7 | 13483.3 |
| 65° | 14241.1 | 14984.8 | 14781.3 | 14072.8 | 14846.8 | 14877.1 | 14792.4 | 14034.6 | 14916.4 | 13443.0 | 12094.5 |
| 67.5° | 12750.6 | 13821.0 | 14089.9 | 12682.1 | 12921.9 | 12725.4 | 12583.3 | 12732.4 | 14049.8 | 11753.0 | 10164.6 |
| 70° | 10385.3 | 11995.7 | 12124.8 | 10143.4 | 10034.5 | 9902.6 | 9619.4 | 10438.8 | 12339.5 | 9632.4 | 8065.4 |
| 72.5° | 7636.0 | 9329.2 | 9725.2 | 7439.6 | 6935.6 | 6962.9 | 6739.2 | 7866.8 | 10032.6 | 7155.3 | 6021.6 |
| 75° | 5224.5 | 6755.3 | 7608.9 | 5191.1 | 4586.4 | 4597.5 | 4569.4 | 5574.2 | 7990.9 | 4977.5 | 4505.9 |
| 77.5° | 3816.4 | 4826.4 | 5738.5 | 3489.9 | 3388.1 | 3325.7 | 3310.7 | 3900.3 | 6126.4 | 3613.9 | 3499.1 |
| 80° | 3062.7 | 3565.6 | 3854.7 | 2418.6 | 2601.1 | 2596.1 | 2512.4 | 2681.7 | 4001.0 | 2643.4 | 2617.2 |
| 82.5° | 2124.4 | 2740.2 | 3123.1 | 1895.7 | 1755.6 | 1726.4 | 1746.6 | 1997.4 | 2827.9 | 1807.0 | 1718.3 |
| 85° | 1120.6 | 1820.1 | 3093.0 | 1680.0 | 1042.0 | 831.4 | 1033.9 | 1635.6 | 2449.9 | 957.5 | 838.5 |
| 87.5° | 143.1 | 526.0 | 2047.9 | 670.1 | 411.2 | 221.7 | 490.8 | 921.1 | 1573.1 | 195.6 | 170.3 |
| 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 |
| 2.5° | 6720.0 | 6586.0 | 6410.6 | 6248.3 | 6080.0 | 5912.7 | 5694.0 | 5556.9 | 5462.2 | 5444.1 | 5403.8 |
| 5° | 6556.6 | 6111.3 | 5774.7 | 5483.4 | 5219.3 | 4846.4 | 4639.8 | 4468.6 | 4376.8 | 4367.7 | 4345.6 |
| 7.5° | 5803.9 | 5189.1 | 4734.6 | 4322.5 | 3948.5 | 3647.2 | 3314.7 | 3159.3 | 3096.0 | 3111.1 | 3126.2 |
| 10° | 5020.8 | 4333.6 | 3811.5 | 3390.3 | 3060.6 | 2806.8 | 2539.7 | 2359.3 | 2234.3 | 2209.1 | 2204.0 |
| 12.5° | 4448.3 | 3694.5 | 3187.6 | 2890.3 | 2635.4 | 2396.6 | 2113.4 | 1900.8 | 1738.4 | 1683.1 | 1645.8 |
| 15° | 4206.6 | 3382.2 | 2851.0 | 2530.5 | 2249.4 | 1946.1 | 1683.1 | 1460.3 | 1311.2 | 1262.7 | 1235.6 |
| 17.5° | 4258.0 | 3295.5 | 2619.3 | 2209.1 | 1849.3 | 1532.9 | 1201.4 | 1010.9 | 921.1 | 897.9 | 897.9 |
| 20° | 4528.0 | 3279.4 | 2427.8 | 1912.9 | 1464.3 | 1097.5 | 825.5 | 716.6 | 687.4 | 684.2 | 692.4 |
| 22.5° | 4906.9 | 3335.8 | 2284.7 | 1655.8 | 1137.9 | 801.2 | 642.9 | 602.7 | 589.6 | 592.6 | 601.7 |
| 25° | 5471.2 | 3526.2 | 2180.8 | 1427.0 | 892.9 | 656.1 | 573.5 | 549.3 | 543.3 | 551.3 | 562.3 |
| 27.5° | 6140.5 | 3716.7 | 2116.3 | 1254.8 | 753.9 | 599.7 | 545.2 | 519.9 | 524.0 | 534.1 | 544.3 |
| 30° | 6728.0 | 3873.0 | 2014.5 | 1131.8 | 710.5 | 602.7 | 545.2 | 511.0 | 507.0 | 508.9 | 511.9 |
| 32.5° | 7255.2 | 3978.8 | 1895.7 | 1014.8 | 612.7 | 535.1 | 508.9 | 503.9 | 481.8 | 473.6 | 474.7 |
| 35° | 7709.7 | 3978.8 | 1824.1 | 946.4 | 549.3 | 474.7 | 432.4 | 407.1 | 396.1 | 397.1 | 408.2 |
| 37.5° | 8148.0 | 3899.2 | 1788.9 | 908.0 | 515.0 | 451.5 | 414.2 | 392.0 | 376.8 | 373.9 | 375.9 |
| 40° | 8535.1 | 3783.2 | 1748.6 | 891.8 | 488.8 | 437.4 | 402.1 | 383.9 | 367.9 | 362.8 | 363.9 |
| 42.5° | 8845.4 | 3689.6 | 1704.2 | 870.7 | 472.7 | 427.4 | 394.0 | 377.9 | 359.9 | 354.7 | 353.8 |
| 45° | 9180.9 | 3658.3 | 1645.8 | 828.3 | 480.8 | 428.3 | 392.0 | 375.0 | 356.7 | 350.7 | 348.7 |
| 47.5° | 9623.5 | 3756.1 | 1585.2 | 778.0 | 497.8 | 433.3 | 395.1 | 375.0 | 355.8 | 350.7 | 348.7 |
| 50° | 10180.8 | 3985.8 | 1508.7 | 704.5 | 480.8 | 447.4 | 394.0 | 371.9 | 355.8 | 350.7 | 346.7 |
| 52.5° | 10896.4 | 4296.2 | 1408.0 | 619.8 | 470.6 | 481.8 | 392.0 | 365.8 | 350.7 | 343.6 | 336.7 |
| 55° | 11766.0 | 4550.2 | 1288.0 | 550.2 | 447.4 | 472.7 | 389.0 | 358.8 | 342.7 | 332.6 | 326.5 |
| 57.5° | 12402.9 | 4641.9 | 1133.8 | 504.8 | 415.1 | 457.5 | 385.0 | 349.7 | 332.6 | 324.5 | 316.5 |
| 60° | 12277.0 | 4464.5 | 1003.8 | 476.7 | 396.1 | 413.2 | 382.0 | 341.6 | 323.5 | 317.5 | 310.5 |
| 62.5° | 11268.2 | 4001.0 | 920.1 | 463.5 | 383.9 | 376.8 | 385.0 | 333.6 | 315.5 | 309.3 | 307.4 |
| 65° | 9755.5 | 3316.6 | 886.8 | 460.7 | 373.9 | 355.8 | 357.7 | 324.5 | 306.4 | 301.3 | 299.3 |
| 67.5° | 8047.2 | 2676.7 | 857.6 | 470.6 | 360.8 | 340.6 | 330.5 | 312.4 | 297.2 | 292.3 | 288.3 |
| 70° | 6346.0 | 2226.2 | 844.5 | 464.7 | 344.7 | 325.5 | 314.4 | 299.3 | 286.2 | 281.2 | 278.1 |
| 72.5° | 5110.5 | 1880.5 | 837.5 | 458.6 | 323.5 | 305.3 | 295.4 | 282.2 | 268.1 | 266.1 | 263.1 |
| 75° | 4324.4 | 1478.4 | 767.0 | 439.5 | 299.3 | 281.2 | 274.2 | 262.0 | 247.9 | 247.9 | 245.9 |
| 77.5° | 3335.8 | 1069.3 | 637.9 | 389.0 | 274.2 | 254.0 | 247.9 | 238.9 | 222.7 | 225.7 | 224.8 |
| 80° | 2464.1 | 697.4 | 498.9 | 322.5 | 242.9 | 223.8 | 220.8 | 211.6 | 194.6 | 198.5 | 198.5 |
| 82.5° | 1688.1 | 457.5 | 358.8 | 264.0 | 207.6 | 189.5 | 189.5 | 180.4 | 161.2 | 163.2 | 169.3 |
| 85° | 847.6 | 314.4 | 268.1 | 204.5 | 161.2 | 152.2 | 152.2 | 145.2 | 126.0 | 127.0 | 135.0 |
| 87.5° | 258.1 | 189.5 | 177.3 | 146.2 | 115.9 | 113.8 | 108.9 | 103.8 | 91.6 | 90.6 | 95.7 |
| 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-04-LED-U-SLL-7027-ADJ

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 | 6194.0 |
| 2.5° | 5342.3 | 5284.9 | 5215.3 | 5062.2 | 5010.7 | 5007.7 | 5054.1 | 5005.7 | 5098.4 | 5059.2 | 5102.5 |
| 5° | 4308.4 | 4251.9 | 4174.2 | 3978.8 | 3859.8 | 3779.2 | 3740.9 | 3628.1 | 3709.7 | 3650.3 | 3699.6 |
| 7.5° | 3168.5 | 3181.5 | 3130.2 | 3015.3 | 2756.3 | 2626.4 | 2549.7 | 2481.2 | 2540.6 | 2534.6 | 2629.2 |
| 10° | 2227.2 | 2262.6 | 2226.2 | 2110.3 | 1900.8 | 1829.2 | 1843.2 | 1870.5 | 1948.1 | 1988.4 | 2134.6 |
| 12.5° | 1603.5 | 1601.4 | 1578.2 | 1474.4 | 1336.3 | 1344.5 | 1401.8 | 1449.2 | 1520.8 | 1563.1 | 1712.2 |
| 15° | 1197.3 | 1179.1 | 1169.1 | 1084.3 | 1005.8 | 1022.9 | 1051.1 | 1056.1 | 1101.5 | 1126.7 | 1247.7 |
| 17.5° | 905.0 | 914.0 | 925.2 | 864.7 | 805.2 | 794.1 | 772.0 | 744.8 | 757.9 | 762.9 | 823.3 |
| 20° | 718.6 | 754.8 | 782.1 | 739.8 | 679.3 | 647.0 | 618.8 | 600.6 | 600.6 | 599.7 | 616.7 |
| 22.5° | 627.8 | 654.1 | 683.3 | 654.1 | 599.7 | 571.4 | 555.3 | 541.1 | 539.2 | 539.2 | 555.3 |
| 25° | 578.5 | 597.6 | 625.8 | 605.6 | 565.4 | 544.3 | 529.1 | 511.0 | 503.9 | 502.0 | 512.9 |
| 27.5° | 554.3 | 562.3 | 576.4 | 558.3 | 524.0 | 514.0 | 510.0 | 493.8 | 484.7 | 479.8 | 490.8 |
| 30° | 512.9 | 511.0 | 511.9 | 493.8 | 466.6 | 465.6 | 472.7 | 475.7 | 472.7 | 471.6 | 488.8 |
| 32.5° | 474.7 | 470.6 | 469.6 | 453.6 | 428.3 | 422.3 | 428.3 | 434.4 | 441.3 | 451.5 | 471.6 |
| 35° | 426.2 | 436.3 | 442.4 | 428.3 | 398.0 | 380.0 | 372.8 | 361.7 | 355.8 | 355.8 | 378.9 |
| 37.5° | 388.0 | 411.2 | 420.2 | 407.1 | 373.9 | 348.7 | 336.7 | 334.6 | 335.5 | 339.6 | 361.7 |
| 40° | 375.0 | 392.0 | 400.0 | 387.0 | 353.8 | 330.5 | 323.5 | 321.6 | 323.5 | 329.6 | 351.7 |
| 42.5° | 366.9 | 378.9 | 377.9 | 361.7 | 334.6 | 318.4 | 314.4 | 312.4 | 314.4 | 320.4 | 344.7 |
| 45° | 359.9 | 367.9 | 359.9 | 340.6 | 315.5 | 307.4 | 308.4 | 307.4 | 309.3 | 315.5 | 338.7 |
| 47.5° | 353.8 | 356.7 | 346.7 | 327.5 | 301.3 | 299.3 | 303.4 | 306.4 | 308.4 | 313.4 | 337.7 |
| 50° | 344.7 | 344.7 | 335.5 | 315.5 | 289.3 | 290.2 | 295.4 | 302.3 | 303.4 | 309.3 | 328.5 |
| 52.5° | 333.6 | 332.6 | 326.5 | 307.4 | 279.2 | 282.2 | 282.2 | 290.2 | 292.3 | 299.3 | 319.4 |
| 55° | 324.5 | 322.5 | 319.4 | 301.3 | 270.1 | 275.2 | 272.0 | 275.2 | 280.2 | 287.2 | 309.3 |
| 57.5° | 316.5 | 312.4 | 312.4 | 296.4 | 263.1 | 265.1 | 258.1 | 262.0 | 268.1 | 274.2 | 297.2 |
| 60° | 308.4 | 304.3 | 306.4 | 289.3 | 252.0 | 249.9 | 246.9 | 254.9 | 256.9 | 264.0 | 287.2 |
| 62.5° | 299.3 | 296.4 | 297.2 | 281.2 | 243.9 | 238.9 | 238.9 | 245.9 | 246.9 | 256.9 | 279.2 |
| 65° | 292.3 | 288.3 | 287.2 | 273.2 | 234.7 | 228.8 | 231.9 | 234.7 | 236.9 | 246.9 | 268.1 |
| 67.5° | 285.2 | 277.1 | 277.1 | 266.1 | 224.8 | 218.6 | 224.8 | 223.8 | 226.7 | 235.9 | 253.0 |
| 70° | 276.0 | 265.1 | 266.1 | 261.0 | 214.7 | 207.6 | 212.7 | 211.6 | 213.6 | 219.6 | 236.9 |
| 72.5° | 262.0 | 253.0 | 254.9 | 253.0 | 204.5 | 194.6 | 196.5 | 196.5 | 196.5 | 201.6 | 219.6 |
| 75° | 243.9 | 236.9 | 242.9 | 247.9 | 192.4 | 178.4 | 180.4 | 180.4 | 177.3 | 180.4 | 202.6 |
| 77.5° | 221.7 | 217.7 | 237.8 | 230.8 | 178.4 | 161.2 | 161.2 | 159.2 | 153.3 | 157.3 | 181.4 |
| 80° | 197.5 | 194.6 | 219.6 | 193.4 | 162.2 | 140.0 | 138.1 | 132.9 | 127.0 | 130.1 | 154.1 |
| 82.5° | 172.4 | 169.3 | 184.4 | 148.1 | 140.0 | 115.9 | 110.9 | 101.8 | 95.7 | 98.8 | 120.9 |
| 85° | 141.2 | 141.2 | 142.1 | 111.8 | 106.8 | 88.8 | 82.6 | 70.5 | 63.5 | 65.4 | 86.6 |
| 87.5° | 100.8 | 103.8 | 95.7 | 76.5 | 63.5 | 49.3 | 45.4 | 38.3 | 32.2 | 37.3 | 45.4 |
| 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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| 77.5° | 185.4 | 194.6 | 218.6 | 353.8 | 668.2 | 1076.3 | 3513.2 | 3816.4 |
| 80° | 158.2 | 163.2 | 183.4 | 259.0 | 457.5 | 673.2 | 2779.4 | 3062.7 |
| 82.5° | 127.0 | 128.9 | 142.1 | 194.6 | 297.2 | 432.4 | 1861.4 | 2124.4 |
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| 87.5° | 42.3 | 43.4 | 43.4 | 77.7 | 105.8 | 139.1 | 232.8 | 143.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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