

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: P528443

Luminaire Tested: **GLAN-SA3C-735-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-735-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10808 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

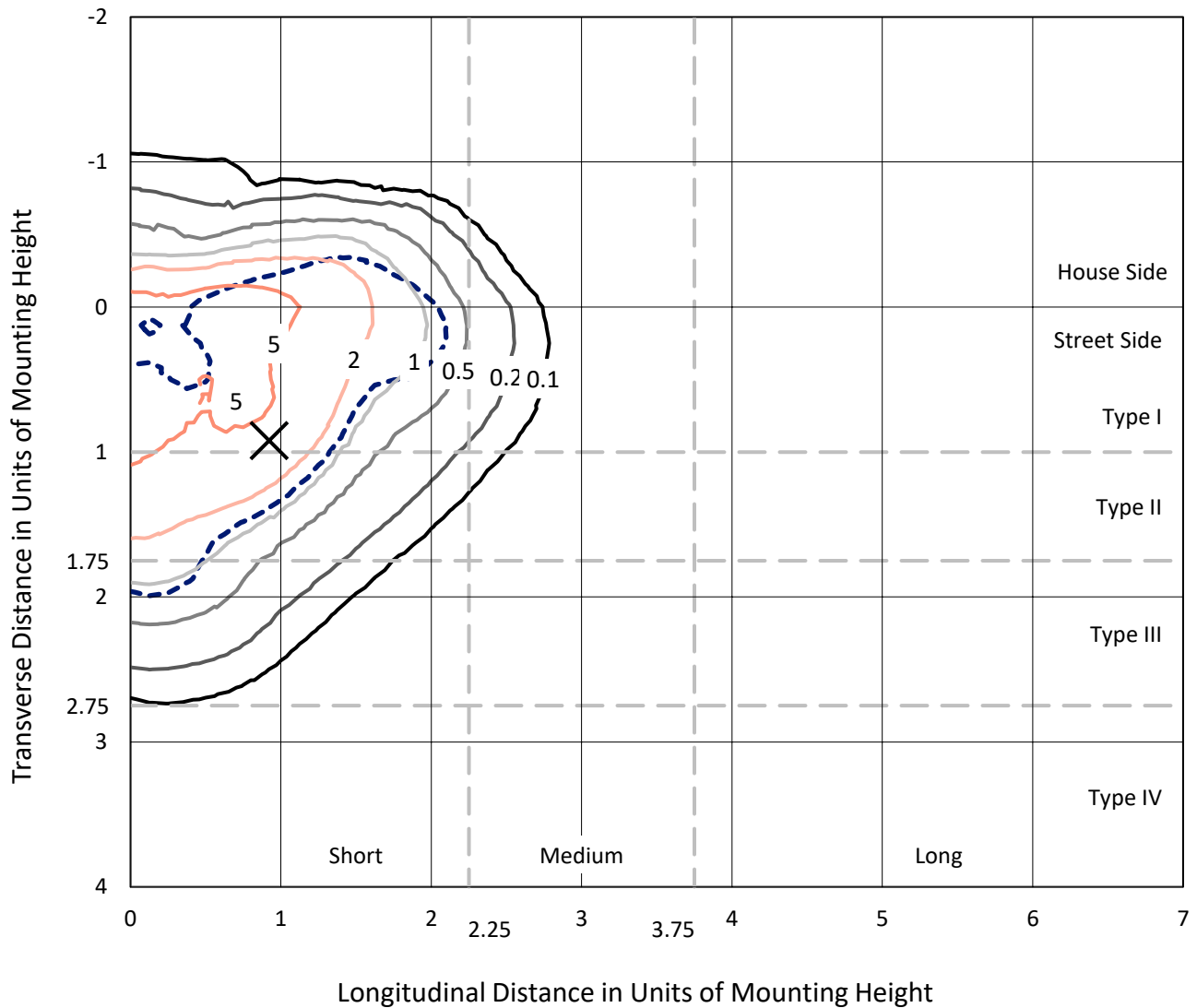
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

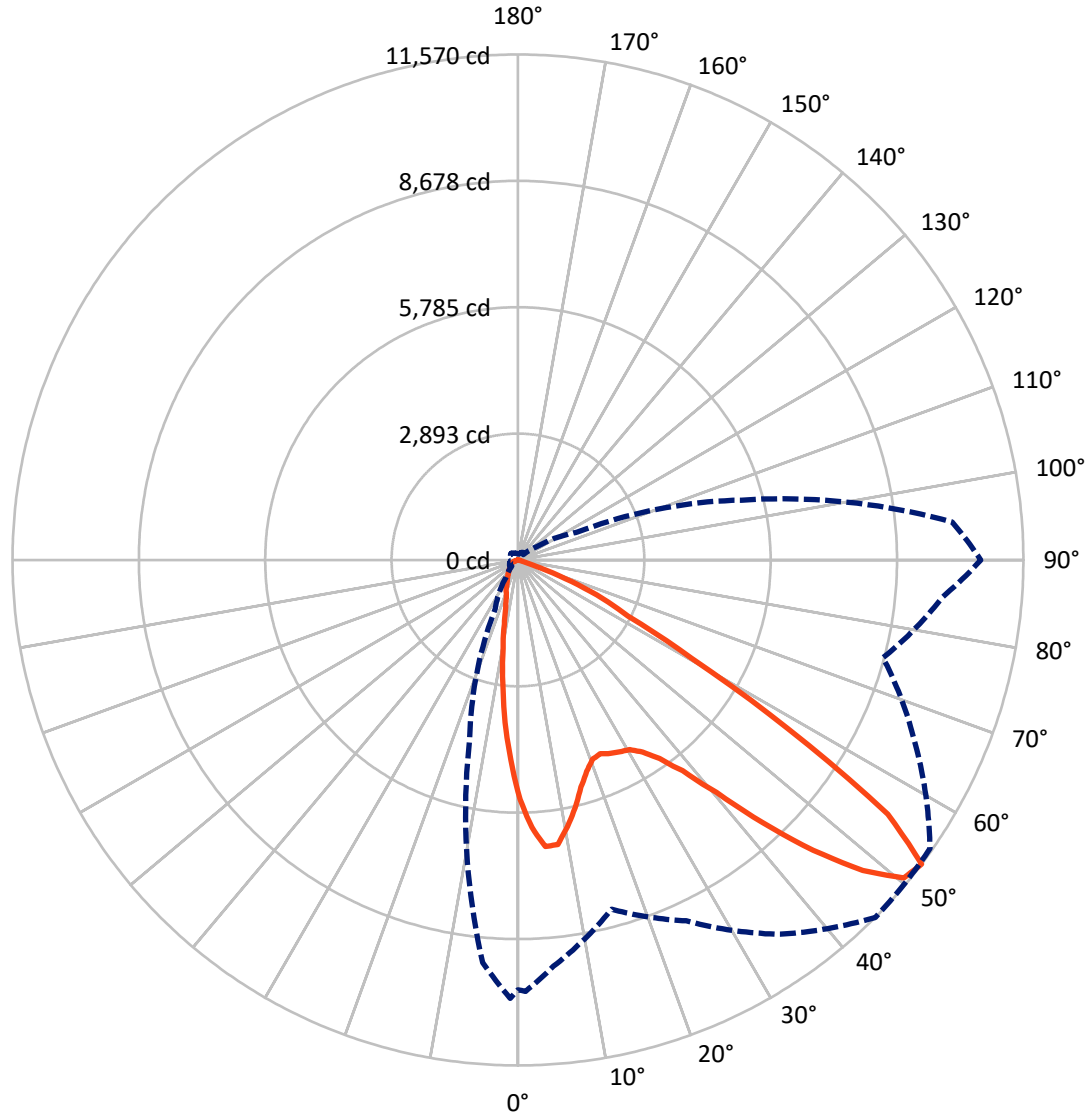
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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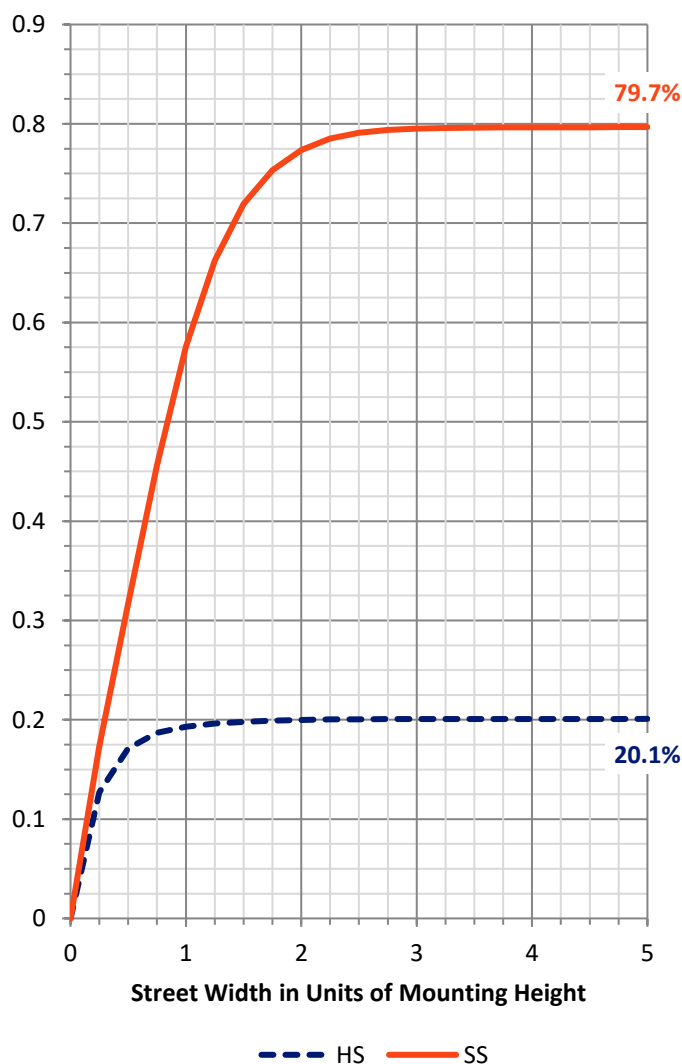
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2193.5 | 0.0 | 2193.5 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 8614.5 | 0.0 | 8614.5 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 10808.0 | 0.0 | 10808.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 399.7 | 3.7 |
| 10°-20° | 788.5 | 7.3 |
| 20°-30° | 1200.0 | 11.1 |
| 30°-40° | 1793.5 | 16.6 |
| 40°-50° | 2554.1 | 23.6 |
| 50°-60° | 2745.6 | 25.4 |
| 60°-70° | 1216.6 | 11.3 |
| 70°-80° | 98.4 | 0.9 |
| 80°-90° | 11.5 | 0.1 |
| 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° | 10808.0 | 100.0 |
| 0°-180° | 10808.0 | 100.0 |

Coefficient of Utilization



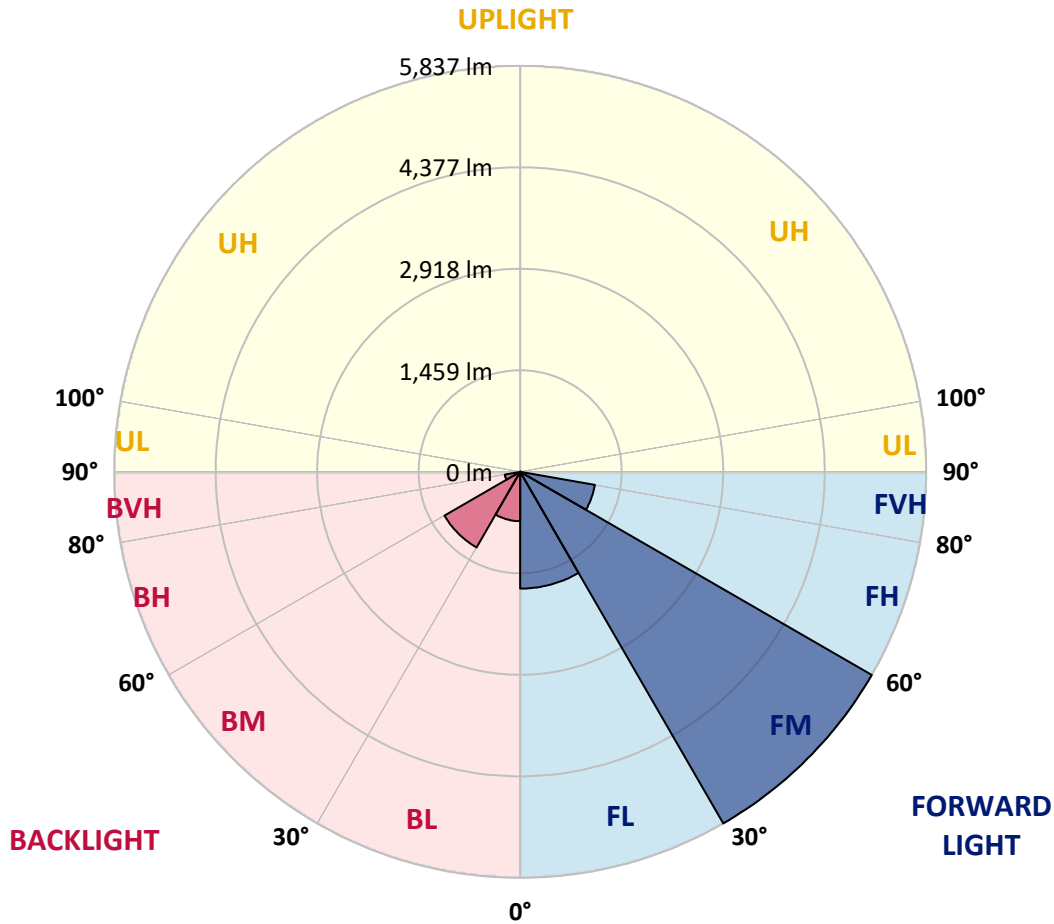
REPORT NUMBER: P528443
 CATALOG NUMBER: GLAN-SA3C-735-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1678.7 | 15.5 | | | |
| FM (30°-60°) | 5836.7 | 54.0 | | | |
| FH (60°-80°) | 1090.7 | 10.1 | | | G1/1800 |
| FVH (80°-90°) | 8.5 | 0.1 | | | G0/10 |
| BL (0°-30°) | 709.5 | 6.6 | B2/1000 | | |
| BM (30°-60°) | 1256.6 | 11.6 | B2/2500 | | |
| BH (60°-80°) | 224.4 | 2.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type III Short





REPORT NUMBER: P528443

CATALOG NUMBER: GLAN-SA3C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|--------|--------|--------|---------|---------|---------|---------|--------|---------|
| 0° | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 |
| 2.5° | 5799.0 | 5816.0 | 5909.6 | 6026.5 | 6088.1 | 6228.4 | 6130.6 | 6156.1 | 6103.0 | 5915.9 | 5769.3 |
| 5° | 5622.6 | 5620.5 | 5739.5 | 6028.6 | 6302.8 | 6581.3 | 6589.8 | 6441.0 | 6179.5 | 5892.6 | 5482.3 |
| 7.5° | 5091.1 | 5174.1 | 5297.3 | 5758.6 | 6266.7 | 6475.0 | 6574.9 | 6400.6 | 5998.8 | 5588.6 | 5144.3 |
| 10° | 4689.4 | 4731.9 | 4940.2 | 5497.2 | 5869.2 | 6147.6 | 6209.3 | 6109.4 | 5801.1 | 5288.8 | 4791.4 |
| 12.5° | 4457.7 | 4478.9 | 4723.4 | 5191.1 | 5584.3 | 5790.5 | 5820.3 | 5867.0 | 5646.0 | 5165.5 | 4568.2 |
| 15° | 4459.8 | 4476.8 | 4806.3 | 5197.4 | 5352.6 | 5297.3 | 5395.1 | 5393.0 | 5488.7 | 5142.2 | 4755.3 |
| 17.5° | 4780.8 | 4799.9 | 5097.5 | 5291.0 | 5222.9 | 5093.3 | 5086.9 | 5184.7 | 5386.6 | 5433.4 | 5038.0 |
| 20° | 5333.5 | 5378.1 | 5597.1 | 5586.4 | 5203.8 | 4942.3 | 4870.1 | 4944.5 | 5414.3 | 5680.0 | 5607.7 |
| 22.5° | 6077.5 | 6139.1 | 6292.2 | 5998.8 | 5291.0 | 4840.3 | 4816.9 | 4961.5 | 5597.1 | 6230.5 | 6253.9 |
| 25° | 6940.5 | 7044.7 | 7119.1 | 6742.8 | 5601.3 | 5016.7 | 4906.2 | 5154.9 | 5843.7 | 6827.9 | 7076.6 |
| 27.5° | 7512.4 | 7620.8 | 7603.8 | 7066.0 | 5809.6 | 5063.5 | 4970.0 | 5201.7 | 6058.4 | 6970.3 | 7506.0 |
| 30° | 7958.8 | 8024.7 | 8143.7 | 7240.3 | 6018.0 | 5195.3 | 5035.9 | 5399.4 | 6128.5 | 7216.9 | 8024.7 |
| 32.5° | 8479.6 | 8524.2 | 8532.7 | 7548.5 | 6339.0 | 5361.1 | 5239.9 | 5646.0 | 6438.9 | 7452.8 | 8483.8 |
| 35° | 9004.6 | 9070.5 | 8932.4 | 7929.0 | 6536.7 | 5669.3 | 5580.1 | 6073.2 | 6687.6 | 7697.3 | 8989.8 |
| 37.5° | 9574.3 | 9608.3 | 9289.5 | 8086.3 | 6819.4 | 6171.0 | 6122.1 | 6534.5 | 7119.1 | 8139.5 | 9551.0 |
| 40° | 10052.6 | 10084.5 | 9670.0 | 8279.8 | 7117.0 | 6872.5 | 6997.9 | 7414.6 | 7705.8 | 8426.4 | 9831.5 |
| 42.5° | 10318.3 | 10392.7 | 9797.5 | 8173.5 | 7714.3 | 7667.5 | 8224.5 | 8371.2 | 8386.0 | 8507.2 | 10082.4 |
| 45° | 10390.6 | 10356.6 | 9587.1 | 8260.6 | 8237.2 | 8974.9 | 9480.8 | 9674.2 | 9062.0 | 8656.0 | 10146.2 |
| 47.5° | 10056.9 | 10101.5 | 9276.7 | 8184.1 | 8923.9 | 9965.5 | 10620.2 | 10979.4 | 9565.8 | 8526.3 | 9988.9 |
| 50° | 9786.9 | 9729.5 | 9176.8 | 8128.8 | 9108.8 | 10433.1 | 11442.9 | 11523.6 | 10029.2 | 8685.8 | 9816.7 |
| 52.5° | 9840.1 | 9876.2 | 9336.3 | 8275.5 | 9113.0 | 10460.8 | 11570.4 | 11515.1 | 10044.1 | 8649.6 | 9755.0 |
| 55° | 9952.7 | 9793.3 | 9268.2 | 7952.4 | 8503.0 | 9689.1 | 10269.5 | 10184.4 | 9270.4 | 8264.9 | 9604.1 |
| 57.5° | 8588.0 | 8834.6 | 8522.1 | 7100.0 | 6978.8 | 7299.8 | 7289.2 | 7550.6 | 6915.0 | 7112.7 | 8743.2 |
| 60° | 6970.3 | 7012.8 | 7129.7 | 6073.2 | 4829.7 | 4719.1 | 4566.1 | 4400.3 | 4653.2 | 6081.7 | 7952.4 |
| 62.5° | 6130.6 | 6079.6 | 6496.3 | 5524.8 | 3409.7 | 2854.9 | 2829.4 | 2931.4 | 3590.4 | 5801.1 | 7459.2 |
| 65° | 4455.6 | 4519.3 | 4821.2 | 4287.6 | 2559.4 | 2178.9 | 2140.6 | 2442.5 | 2905.9 | 4649.0 | 5692.7 |
| 67.5° | 2720.9 | 2844.2 | 2871.9 | 2644.4 | 1736.7 | 1379.6 | 1324.3 | 1598.6 | 2098.1 | 3007.9 | 3337.4 |
| 70° | 1256.3 | 1405.1 | 1545.4 | 1443.4 | 1005.5 | 567.6 | 535.7 | 671.7 | 1058.6 | 1730.4 | 1770.7 |
| 72.5° | 380.5 | 382.6 | 535.7 | 559.1 | 325.2 | 127.5 | 112.7 | 148.8 | 359.3 | 571.8 | 601.6 |
| 75° | 27.6 | 29.8 | 72.3 | 82.9 | 61.6 | 31.9 | 34.0 | 40.4 | 76.5 | 127.5 | 95.7 |
| 77.5° | 2.1 | 2.1 | 2.1 | 10.6 | 19.1 | 21.3 | 27.6 | 31.9 | 40.4 | 46.8 | 42.5 |
| 80° | 2.1 | 0.0 | 2.1 | 8.5 | 14.9 | 21.3 | 25.5 | 29.8 | 31.9 | 36.1 | 31.9 |
| 82.5° | 0.0 | 0.0 | 0.0 | 6.4 | 14.9 | 21.3 | 23.4 | 31.9 | 36.1 | 42.5 | 36.1 |
| 85° | 0.0 | 0.0 | 0.0 | 6.4 | 14.9 | 23.4 | 21.3 | 10.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: GLAN-SA3C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 |
| 2.5° | 5794.8 | 5711.9 | 5522.7 | 5427.0 | 5201.7 | 5169.8 | 4948.7 | 4912.6 | 4838.2 | 4797.8 | 4700.0 |
| 5° | 5301.6 | 5201.7 | 4893.5 | 4634.1 | 4332.3 | 4121.8 | 3960.3 | 3813.6 | 3728.5 | 3649.9 | 3686.0 |
| 7.5° | 4899.8 | 4608.6 | 4266.4 | 3832.7 | 3484.1 | 3258.8 | 3012.2 | 2810.2 | 2691.2 | 2610.4 | 2629.5 |
| 10° | 4478.9 | 4289.7 | 3813.6 | 3326.8 | 2905.9 | 2746.5 | 2553.0 | 2397.8 | 2229.9 | 2085.4 | 2017.3 |
| 12.5° | 4347.1 | 4066.5 | 3469.2 | 2973.9 | 2655.0 | 2499.9 | 2278.8 | 2100.2 | 1885.5 | 1709.1 | 1647.4 |
| 15° | 4370.5 | 4100.6 | 3375.7 | 2846.4 | 2470.1 | 2202.3 | 1938.7 | 1717.6 | 1481.6 | 1358.3 | 1294.6 |
| 17.5° | 4751.0 | 4283.4 | 3437.3 | 2712.4 | 2212.9 | 1840.9 | 1515.7 | 1235.1 | 1058.6 | 931.1 | 903.4 |
| 20° | 5218.7 | 4678.8 | 3569.1 | 2614.7 | 2002.4 | 1464.6 | 1107.5 | 865.2 | 718.5 | 697.2 | 690.9 |
| 22.5° | 5903.2 | 5325.0 | 3851.8 | 2548.8 | 1745.2 | 1141.5 | 758.9 | 629.2 | 588.8 | 584.6 | 586.7 |
| 25° | 6859.8 | 6134.9 | 4160.1 | 2493.5 | 1551.8 | 880.1 | 620.7 | 533.6 | 520.8 | 514.4 | 525.1 |
| 27.5° | 7274.3 | 6623.8 | 4323.8 | 2374.5 | 1375.4 | 792.9 | 612.2 | 529.3 | 493.2 | 482.5 | 488.9 |
| 30° | 7786.6 | 6949.0 | 4581.0 | 2170.4 | 1116.0 | 652.6 | 571.8 | 576.1 | 559.1 | 505.9 | 488.9 |
| 32.5° | 8466.8 | 7355.1 | 4710.6 | 2025.8 | 997.0 | 539.9 | 418.8 | 384.8 | 429.4 | 437.9 | 452.8 |
| 35° | 8902.6 | 7767.5 | 4776.5 | 1940.8 | 935.3 | 461.3 | 355.0 | 323.1 | 312.5 | 314.6 | 323.1 |
| 37.5° | 9712.5 | 8324.4 | 4859.4 | 1851.5 | 888.6 | 401.8 | 321.0 | 291.2 | 276.3 | 276.3 | 284.8 |
| 40° | 10197.2 | 8766.6 | 4972.1 | 1802.6 | 841.8 | 365.6 | 291.2 | 265.7 | 253.0 | 253.0 | 257.2 |
| 42.5° | 10318.3 | 8985.5 | 4933.8 | 1785.6 | 788.6 | 357.1 | 265.7 | 246.6 | 231.7 | 229.6 | 227.5 |
| 45° | 10535.2 | 9319.2 | 4940.2 | 1766.5 | 733.4 | 325.2 | 250.8 | 229.6 | 208.3 | 206.2 | 204.1 |
| 47.5° | 10773.3 | 9559.5 | 4953.0 | 1692.1 | 680.2 | 272.1 | 261.5 | 212.6 | 187.1 | 182.8 | 182.8 |
| 50° | 10569.2 | 9750.8 | 5063.5 | 1617.7 | 612.2 | 221.1 | 257.2 | 199.8 | 165.8 | 159.4 | 161.6 |
| 52.5° | 10594.7 | 9976.1 | 5297.3 | 1513.5 | 527.2 | 176.4 | 208.3 | 189.2 | 150.9 | 140.3 | 142.4 |
| 55° | 10186.5 | 9738.0 | 5329.2 | 1403.0 | 412.4 | 136.0 | 159.4 | 165.8 | 127.5 | 123.3 | 123.3 |
| 57.5° | 8768.7 | 8245.7 | 4702.1 | 1137.3 | 272.1 | 112.7 | 114.8 | 144.6 | 110.5 | 106.3 | 108.4 |
| 60° | 7503.9 | 6619.6 | 3783.8 | 750.4 | 170.1 | 89.3 | 82.9 | 146.7 | 97.8 | 95.7 | 102.0 |
| 62.5° | 6840.6 | 5439.8 | 2869.7 | 465.5 | 116.9 | 68.0 | 57.4 | 119.0 | 85.0 | 85.0 | 93.5 |
| 65° | 4942.3 | 3654.1 | 1668.7 | 244.5 | 82.9 | 53.1 | 42.5 | 68.0 | 70.1 | 72.3 | 76.5 |
| 67.5° | 3061.1 | 1845.1 | 703.6 | 119.0 | 55.3 | 36.1 | 27.6 | 42.5 | 46.8 | 46.8 | 51.0 |
| 70° | 1511.4 | 735.5 | 233.8 | 68.0 | 42.5 | 29.8 | 19.1 | 23.4 | 23.4 | 21.3 | 23.4 |
| 72.5° | 467.7 | 221.1 | 59.5 | 42.5 | 29.8 | 19.1 | 10.6 | 8.5 | 4.3 | 0.0 | 2.1 |
| 75° | 53.1 | 42.5 | 38.3 | 29.8 | 19.1 | 8.5 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 31.9 | 36.1 | 36.1 | 29.8 | 19.1 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 25.5 | 27.6 | 29.8 | 27.6 | 17.0 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 31.9 | 36.1 | 40.4 | 36.1 | 23.4 | 10.6 | 4.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: GLAN-SA3C-735-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 |
| 2.5° | 4659.6 | 4612.9 | 4678.8 | 4581.0 | 4578.8 | 4581.0 | 4553.3 | 4527.8 | 4568.2 | 4676.6 | 4687.3 |
| 5° | 3556.4 | 3656.3 | 3688.2 | 3792.3 | 3734.9 | 3649.9 | 3666.9 | 3609.5 | 3749.8 | 3811.5 | 3762.6 |
| 7.5° | 2589.2 | 2582.8 | 2797.5 | 2810.2 | 2837.9 | 2840.0 | 2835.7 | 2723.1 | 2608.3 | 2633.8 | 2710.3 |
| 10° | 2008.8 | 1900.4 | 2004.6 | 1993.9 | 2062.0 | 2042.8 | 2070.5 | 1949.3 | 1989.7 | 1989.7 | 2038.6 |
| 12.5° | 1636.8 | 1522.0 | 1502.9 | 1475.3 | 1502.9 | 1513.5 | 1524.2 | 1500.8 | 1568.8 | 1600.7 | 1634.7 |
| 15° | 1249.9 | 1186.2 | 1169.2 | 1116.0 | 1124.5 | 1154.3 | 1179.8 | 1190.4 | 1169.2 | 1218.0 | 1222.3 |
| 17.5° | 907.7 | 905.6 | 916.2 | 914.1 | 905.6 | 899.2 | 897.1 | 869.4 | 860.9 | 865.2 | 882.2 |
| 20° | 688.7 | 705.7 | 741.9 | 778.0 | 797.2 | 773.8 | 741.9 | 695.1 | 676.0 | 680.2 | 682.4 |
| 22.5° | 588.8 | 614.3 | 663.2 | 703.6 | 722.8 | 680.2 | 622.8 | 582.5 | 573.9 | 571.8 | 569.7 |
| 25° | 533.6 | 563.3 | 599.5 | 612.2 | 610.1 | 584.6 | 542.1 | 525.1 | 520.8 | 516.6 | 497.4 |
| 27.5° | 503.8 | 514.4 | 520.8 | 535.7 | 542.1 | 525.1 | 514.4 | 488.9 | 484.7 | 484.7 | 471.9 |
| 30° | 486.8 | 480.4 | 488.9 | 478.3 | 486.8 | 474.0 | 476.2 | 476.2 | 465.5 | 469.8 | 469.8 |
| 32.5° | 452.8 | 454.9 | 454.9 | 433.7 | 440.0 | 425.1 | 440.0 | 452.8 | 454.9 | 457.0 | 474.0 |
| 35° | 331.6 | 369.9 | 389.0 | 389.0 | 395.4 | 384.8 | 382.6 | 367.8 | 348.6 | 329.5 | 321.0 |
| 37.5° | 291.2 | 306.1 | 331.6 | 346.5 | 357.1 | 348.6 | 329.5 | 306.1 | 295.5 | 287.0 | 278.5 |
| 40° | 259.3 | 272.1 | 289.1 | 306.1 | 327.4 | 316.7 | 287.0 | 276.3 | 263.6 | 263.6 | 255.1 |
| 42.5° | 233.8 | 240.2 | 250.8 | 276.3 | 299.7 | 278.5 | 257.2 | 248.7 | 242.3 | 240.2 | 238.1 |
| 45° | 210.4 | 212.6 | 223.2 | 244.5 | 272.1 | 250.8 | 229.6 | 219.0 | 221.1 | 223.2 | 221.1 |
| 47.5° | 189.2 | 193.4 | 199.8 | 225.3 | 242.3 | 231.7 | 208.3 | 201.9 | 201.9 | 201.9 | 204.1 |
| 50° | 163.7 | 174.3 | 187.1 | 208.3 | 221.1 | 214.7 | 195.6 | 187.1 | 182.8 | 182.8 | 184.9 |
| 52.5° | 146.7 | 155.2 | 172.2 | 197.7 | 214.7 | 204.1 | 184.9 | 172.2 | 163.7 | 161.6 | 165.8 |
| 55° | 127.5 | 142.4 | 170.1 | 189.2 | 212.6 | 201.9 | 180.7 | 165.8 | 150.9 | 148.8 | 148.8 |
| 57.5° | 114.8 | 138.2 | 163.7 | 187.1 | 206.2 | 197.7 | 180.7 | 161.6 | 142.4 | 140.3 | 140.3 |
| 60° | 108.4 | 133.9 | 159.4 | 180.7 | 206.2 | 193.4 | 178.6 | 157.3 | 136.0 | 136.0 | 133.9 |
| 62.5° | 102.0 | 125.4 | 150.9 | 172.2 | 197.7 | 187.1 | 172.2 | 150.9 | 129.7 | 129.7 | 125.4 |
| 65° | 85.0 | 108.4 | 125.4 | 144.6 | 172.2 | 161.6 | 146.7 | 131.8 | 114.8 | 110.5 | 112.7 |
| 67.5° | 59.5 | 74.4 | 91.4 | 110.5 | 127.5 | 123.3 | 116.9 | 106.3 | 91.4 | 89.3 | 87.2 |
| 70° | 29.8 | 40.4 | 55.3 | 74.4 | 89.3 | 85.0 | 80.8 | 72.3 | 63.8 | 61.6 | 61.6 |
| 72.5° | 4.3 | 12.8 | 23.4 | 34.0 | 46.8 | 48.9 | 46.8 | 44.6 | 42.5 | 40.4 | 42.5 |
| 75° | 0.0 | 0.0 | 0.0 | 8.5 | 19.1 | 23.4 | 27.6 | 31.9 | 31.9 | 27.6 | 34.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 10.6 | 21.3 | 27.6 | 34.0 | 29.8 | 40.4 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 12.8 | 21.3 | 29.8 | 34.0 | 29.8 | 42.5 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 14.9 | 21.3 | 27.6 | 31.9 | 29.8 | 38.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 12.8 | 8.5 | 4.3 | 2.1 | 2.1 | 6.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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| 0° | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 | 5480.2 |
| 2.5° | 4746.8 | 4897.7 | 5059.3 | 5120.9 | 5312.2 | 5456.8 | 5554.6 | 5765.0 | 5796.9 | 5799.0 |
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| 7.5° | 2710.3 | 2922.9 | 3039.8 | 3377.8 | 3728.5 | 4075.0 | 4425.8 | 4821.2 | 5084.8 | 5091.1 |
| 10° | 2181.0 | 2319.2 | 2527.5 | 2780.5 | 3075.9 | 3428.8 | 3896.5 | 4355.6 | 4623.5 | 4689.4 |
| 12.5° | 1755.9 | 1998.2 | 2236.3 | 2497.7 | 2723.1 | 2988.8 | 3492.6 | 4104.8 | 4325.9 | 4457.7 |
| 15° | 1352.0 | 1573.0 | 1853.6 | 2159.8 | 2414.8 | 2769.8 | 3343.8 | 4043.2 | 4415.2 | 4459.8 |
| 17.5° | 997.0 | 1194.7 | 1454.0 | 1743.1 | 2125.7 | 2629.5 | 3369.3 | 4355.6 | 4706.4 | 4780.8 |
| 20° | 716.4 | 831.2 | 1035.2 | 1371.1 | 1857.9 | 2465.9 | 3394.8 | 4672.4 | 5205.9 | 5333.5 |
| 22.5° | 567.6 | 614.3 | 748.3 | 1045.9 | 1558.2 | 2293.7 | 3575.5 | 5278.2 | 5892.6 | 6077.5 |
| 25° | 493.2 | 518.7 | 582.5 | 824.8 | 1369.0 | 2276.7 | 3864.6 | 6005.2 | 6806.6 | 6940.5 |
| 27.5° | 476.2 | 480.4 | 535.7 | 756.8 | 1266.9 | 2164.0 | 3975.1 | 6521.8 | 7376.3 | 7512.4 |
| 30° | 501.7 | 569.7 | 573.9 | 639.8 | 1077.8 | 1940.8 | 4032.5 | 7021.3 | 7858.9 | 7958.8 |
| 32.5° | 433.7 | 412.4 | 427.3 | 495.3 | 948.1 | 1811.1 | 4140.9 | 7457.1 | 8409.4 | 8479.6 |
| 35° | 301.9 | 316.7 | 350.7 | 429.4 | 829.0 | 1675.1 | 4168.6 | 7937.5 | 8932.4 | 9004.6 |
| 37.5° | 278.5 | 287.0 | 314.6 | 365.6 | 729.1 | 1598.6 | 4130.3 | 8288.3 | 9474.4 | 9574.3 |
| 40° | 259.3 | 270.0 | 284.8 | 331.6 | 654.7 | 1513.5 | 4077.2 | 8605.0 | 9806.0 | 10052.6 |
| 42.5° | 244.5 | 253.0 | 265.7 | 316.7 | 591.0 | 1428.5 | 4002.8 | 9051.4 | 10103.6 | 10318.3 |
| 45° | 227.5 | 240.2 | 255.1 | 308.2 | 554.8 | 1371.1 | 3947.5 | 9023.8 | 10275.8 | 10390.6 |
| 47.5° | 210.4 | 231.7 | 248.7 | 287.0 | 544.2 | 1343.5 | 3970.9 | 8919.6 | 10135.5 | 10056.9 |
| 50° | 193.4 | 221.1 | 250.8 | 238.1 | 518.7 | 1288.2 | 3998.5 | 9062.0 | 9801.8 | 9786.9 |
| 52.5° | 178.6 | 210.4 | 233.8 | 195.6 | 461.3 | 1235.1 | 4266.4 | 9249.1 | 10037.7 | 9840.1 |
| 55° | 157.3 | 189.2 | 187.1 | 157.3 | 374.1 | 1194.7 | 4476.8 | 9253.3 | 9878.3 | 9952.7 |
| 57.5° | 142.4 | 167.9 | 146.7 | 131.8 | 276.3 | 999.1 | 4134.6 | 7759.0 | 8456.2 | 8588.0 |
| 60° | 131.8 | 163.7 | 110.5 | 104.2 | 180.7 | 720.6 | 3609.5 | 6009.5 | 6721.6 | 6970.3 |
| 62.5° | 121.2 | 155.2 | 87.2 | 85.0 | 125.4 | 512.3 | 2967.5 | 5029.5 | 5792.6 | 6130.6 |
| 65° | 106.3 | 110.5 | 70.1 | 65.9 | 89.3 | 276.3 | 1806.9 | 3462.8 | 4330.1 | 4455.6 |
| 67.5° | 87.2 | 85.0 | 57.4 | 53.1 | 59.5 | 133.9 | 797.2 | 1734.6 | 2510.5 | 2720.9 |
| 70° | 70.1 | 70.1 | 48.9 | 42.5 | 42.5 | 61.6 | 208.3 | 690.9 | 1135.1 | 1256.3 |
| 72.5° | 51.0 | 53.1 | 38.3 | 34.0 | 31.9 | 29.8 | 34.0 | 138.2 | 297.6 | 380.5 |
| 75° | 44.6 | 46.8 | 38.3 | 29.8 | 23.4 | 19.1 | 14.9 | 12.8 | 17.0 | 27.6 |
| 77.5° | 48.9 | 48.9 | 40.4 | 27.6 | 21.3 | 14.9 | 8.5 | 4.3 | 4.3 | 2.1 |
| 80° | 61.6 | 63.8 | 53.1 | 36.1 | 25.5 | 17.0 | 10.6 | 4.3 | 2.1 | 2.1 |
| 82.5° | 65.9 | 72.3 | 59.5 | 44.6 | 31.9 | 19.1 | 10.6 | 2.1 | 0.0 | 0.0 |
| 85° | 17.0 | 27.6 | 46.8 | 40.4 | 31.9 | 19.1 | 10.6 | 2.1 | 0.0 | 0.0 |
| 87.5° | 0.0 | 2.1 | 6.4 | 6.4 | 8.5 | 8.5 | 6.4 | 2.1 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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