

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: P458812

Luminaire Tested: **GLAN-SA3C-735-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-735-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19378 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

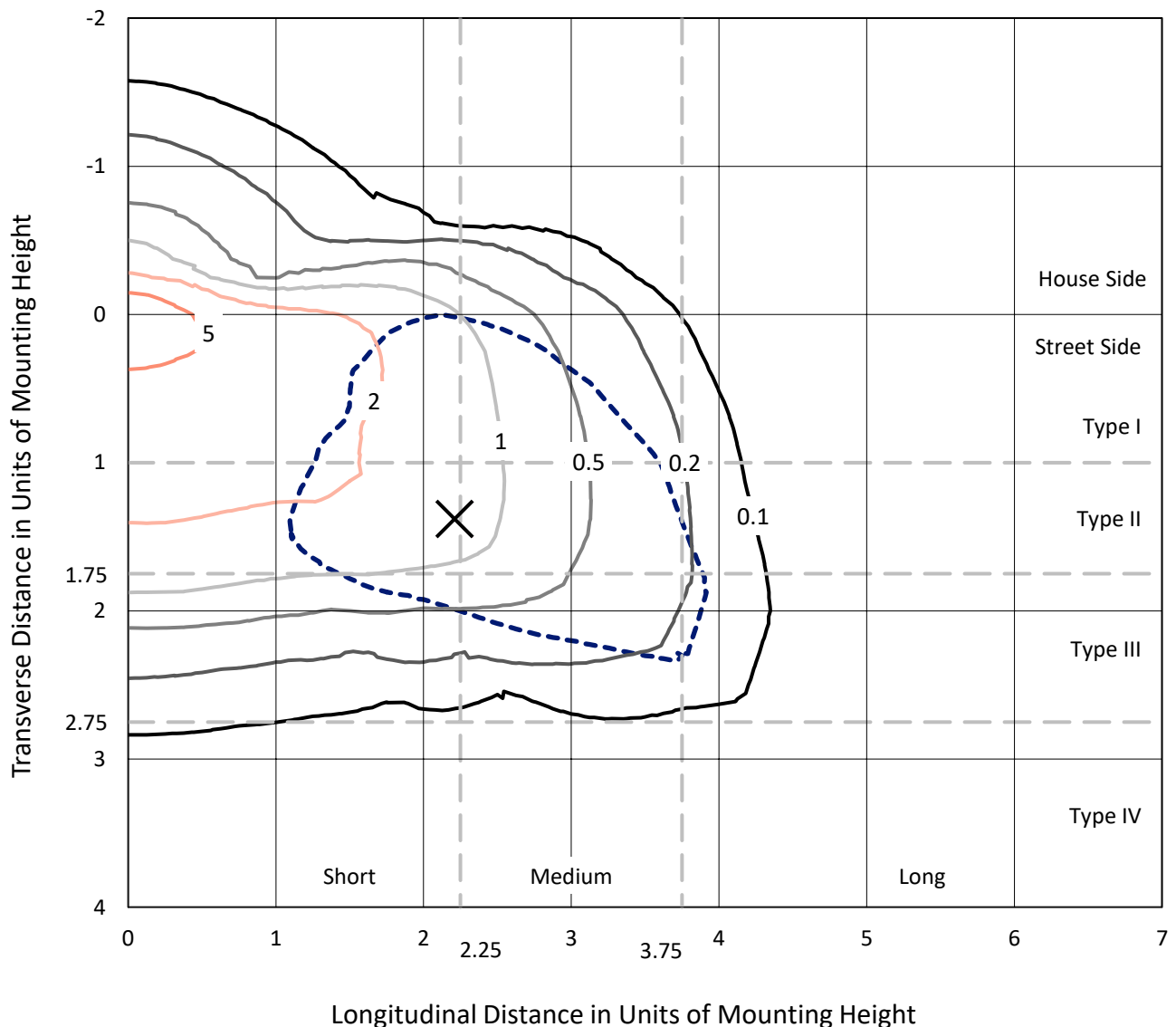
Input Watts (W): 160
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

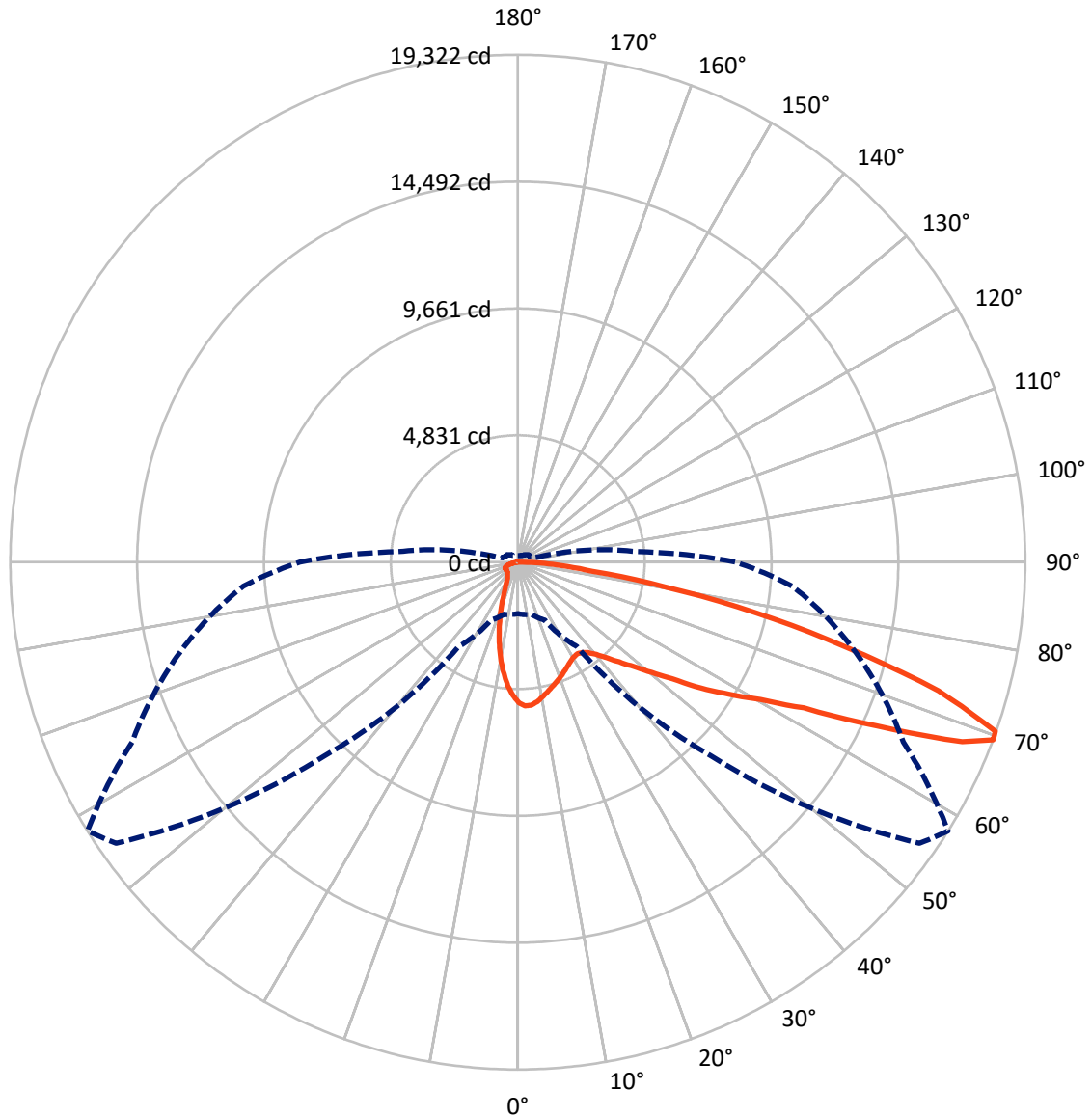
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2839.8 | 0.0 | 2839.8 |
| | % Fixture | 14.7 | 0.0 | 14.7 |
| Street Side | Lumens | 16538.2 | 0.0 | 16538.2 |
| | % Fixture | 85.3 | 0.0 | 85.3 |
| Total | Lumens | 19378.0 | 0.0 | 19378.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 454.8 | 2.3 |
| 10°-20° | 998.6 | 5.2 |
| 20°-30° | 1290.2 | 6.7 |
| 30°-40° | 1675.7 | 8.6 |
| 40°-50° | 2436.2 | 12.6 |
| 50°-60° | 3887.4 | 20.1 |
| 60°-70° | 5193.1 | 26.8 |
| 70°-80° | 2993.6 | 15.4 |
| 80°-90° | 448.4 | 2.3 |
| 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° | 19378.0 | 100.0 |
| 0°-180° | 19378.0 | 100.0 |

Coefficient of Utilization



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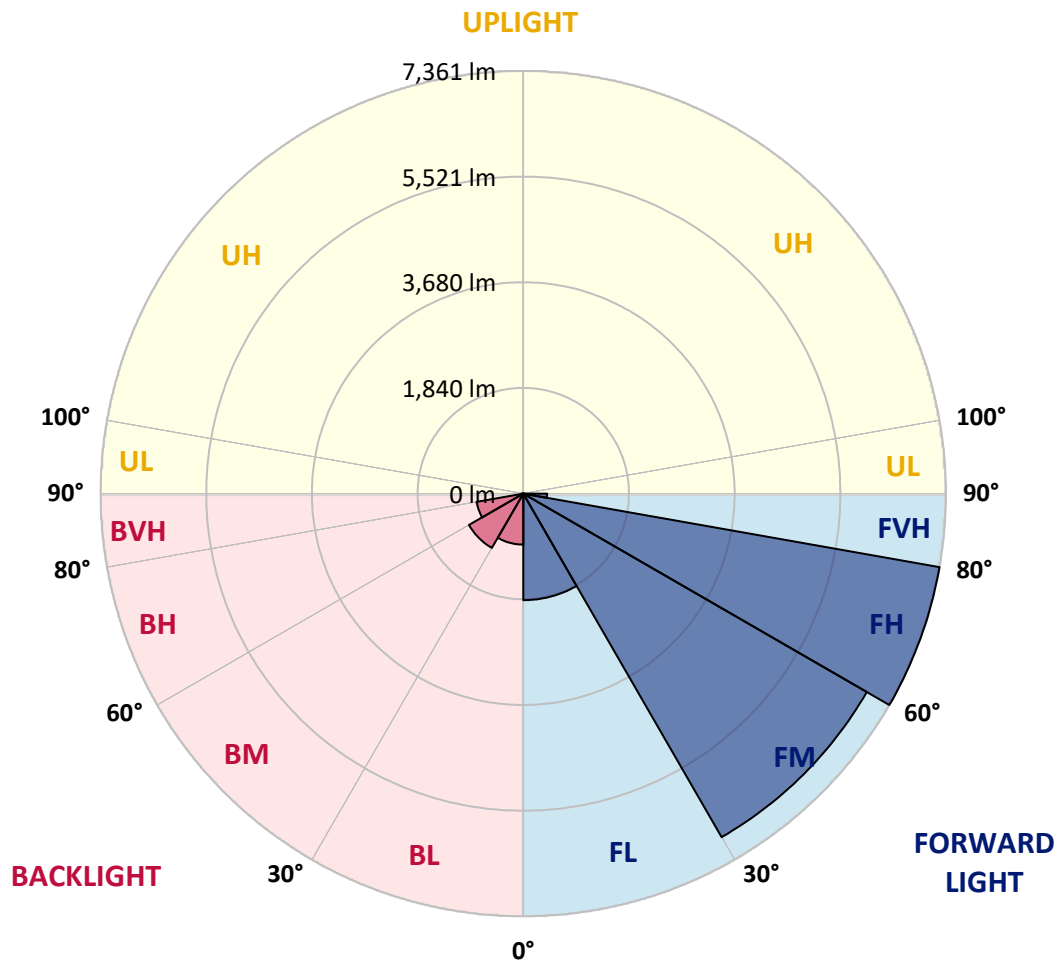
CATALOG NUMBER: GLAN-SA3C-735-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1855.9 | 9.6 | | | |
| FM (30°-60°) | 6907.2 | 35.6 | | | |
| FH (60°-80°) | 7361.0 | 38.0 | | | G3/7500 |
| FVH (80°-90°) | 414.0 | 2.1 | | | G3/500 |
| BL (0°-30°) | 887.6 | 4.6 | B2/1000 | | |
| BM (30°-60°) | 1092.1 | 5.6 | B2/2500 | | |
| BH (60°-80°) | 825.8 | 4.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 34.4 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 2.5° | 5553.8 | 5568.9 | 5564.6 | 5559.2 | 5550.6 | 5526.8 | 5487.9 | 5481.4 | 5456.5 | 5403.6 | 5337.7 |
| 5° | 5468.4 | 5481.4 | 5482.5 | 5490.0 | 5500.8 | 5496.5 | 5468.4 | 5465.2 | 5428.4 | 5357.1 | 5246.9 |
| 7.5° | 5175.5 | 5192.8 | 5230.7 | 5272.8 | 5310.6 | 5346.3 | 5354.9 | 5360.3 | 5337.7 | 5255.5 | 5108.5 |
| 10° | 4845.9 | 4863.2 | 4880.5 | 4943.2 | 5036.1 | 5124.8 | 5198.2 | 5208.0 | 5213.4 | 5137.7 | 4958.3 |
| 12.5° | 4480.6 | 4516.3 | 4553.1 | 4646.0 | 4770.3 | 4909.7 | 5039.4 | 5059.9 | 5096.7 | 5039.4 | 4828.6 |
| 15° | 4170.5 | 4207.2 | 4260.2 | 4343.4 | 4493.6 | 4694.6 | 4877.3 | 4910.8 | 4983.2 | 4954.0 | 4707.6 |
| 17.5° | 3955.4 | 3968.4 | 4005.1 | 4100.2 | 4262.3 | 4474.2 | 4718.4 | 4785.4 | 4901.0 | 4893.5 | 4603.8 |
| 20° | 3785.7 | 3802.0 | 3824.7 | 3883.0 | 4051.6 | 4275.3 | 4570.3 | 4656.8 | 4813.5 | 4839.4 | 4501.2 |
| 22.5° | 3714.4 | 3726.3 | 3723.1 | 3754.4 | 3869.0 | 4093.7 | 4420.1 | 4522.8 | 4735.7 | 4802.7 | 4406.1 |
| 25° | 3718.7 | 3729.5 | 3713.3 | 3705.8 | 3773.9 | 3933.8 | 4263.4 | 4394.2 | 4673.0 | 4777.8 | 4319.6 |
| 27.5° | 3791.1 | 3798.7 | 3768.5 | 3738.2 | 3743.6 | 3834.4 | 4133.7 | 4278.6 | 4620.1 | 4788.6 | 4247.2 |
| 30° | 3888.4 | 3902.5 | 3883.0 | 3846.3 | 3806.3 | 3810.6 | 4050.5 | 4193.2 | 4595.2 | 4826.5 | 4212.6 |
| 32.5° | 4013.8 | 4026.7 | 4018.1 | 3988.9 | 3937.0 | 3879.8 | 4030.0 | 4161.8 | 4597.4 | 4903.2 | 4205.1 |
| 35° | 4145.6 | 4171.6 | 4185.6 | 4183.4 | 4141.3 | 4041.9 | 4111.0 | 4220.2 | 4649.2 | 5031.8 | 4249.4 |
| 37.5° | 4294.8 | 4316.4 | 4376.9 | 4415.8 | 4376.9 | 4261.3 | 4293.7 | 4369.3 | 4763.8 | 5217.7 | 4346.6 |
| 40° | 4439.6 | 4472.0 | 4560.6 | 4681.7 | 4666.5 | 4564.9 | 4572.5 | 4622.2 | 4965.9 | 5494.4 | 4536.8 |
| 42.5° | 4590.9 | 4629.8 | 4784.3 | 4963.7 | 4999.4 | 4920.5 | 4941.0 | 4985.3 | 5253.4 | 5878.0 | 4863.2 |
| 45° | 4785.4 | 4831.9 | 5022.1 | 5245.8 | 5386.3 | 5337.7 | 5396.0 | 5417.6 | 5638.1 | 6377.3 | 5293.3 |
| 47.5° | 5036.1 | 5090.2 | 5324.7 | 5603.5 | 5802.4 | 5846.7 | 5948.3 | 5935.3 | 6114.7 | 6968.5 | 5851.0 |
| 50° | 5458.7 | 5489.0 | 5710.5 | 5994.7 | 6268.1 | 6468.1 | 6578.3 | 6598.8 | 6705.8 | 7543.4 | 6474.6 |
| 52.5° | 5961.2 | 5988.2 | 6148.2 | 6396.8 | 6739.3 | 7163.0 | 7435.3 | 7368.3 | 7394.3 | 8243.7 | 7204.0 |
| 55° | 6526.4 | 6571.8 | 6673.4 | 6838.8 | 7282.9 | 7906.5 | 8453.4 | 8469.6 | 8182.1 | 8913.7 | 7903.3 |
| 57.5° | 6964.1 | 7040.9 | 7214.9 | 7450.5 | 8013.5 | 8733.3 | 9468.1 | 9479.0 | 9111.5 | 9629.2 | 8674.9 |
| 60° | 6743.7 | 6834.4 | 7232.1 | 7806.0 | 8972.1 | 10176.0 | 10680.7 | 10619.1 | 10016.1 | 10444.0 | 9616.2 |
| 62.5° | 5792.6 | 5808.8 | 6387.0 | 7284.0 | 9267.1 | 12106.2 | 12485.5 | 12225.1 | 11223.2 | 11477.2 | 10572.6 |
| 65° | 3749.0 | 3854.9 | 4313.1 | 5570.0 | 8297.7 | 13177.2 | 15647.7 | 15045.7 | 12915.6 | 12649.8 | 11373.4 |
| 67.5° | 2366.8 | 2339.7 | 2530.0 | 3180.5 | 5707.3 | 12233.7 | 18346.2 | 18251.1 | 15128.9 | 13390.1 | 11182.2 |
| 69° | 1962.6 | 1992.8 | 2057.7 | 2438.1 | 3927.3 | 10445.1 | 18665.0 | 19322.1 | 16202.1 | 13331.7 | 10487.3 |
| 70° | 1779.9 | 1794.0 | 1862.1 | 2161.4 | 3030.3 | 8748.4 | 18142.0 | 19292.9 | 16623.6 | 13087.5 | 9983.6 |
| 72.5° | 1412.5 | 1411.4 | 1528.1 | 1798.3 | 2265.2 | 4994.0 | 14896.6 | 16750.0 | 16152.4 | 11950.6 | 8249.1 |
| 75° | 1073.2 | 1090.4 | 1219.0 | 1521.6 | 2086.9 | 2728.8 | 10395.4 | 12899.4 | 12900.5 | 9439.0 | 5147.4 |
| 77.5° | 773.8 | 784.6 | 934.8 | 1277.4 | 1965.8 | 2212.2 | 6924.1 | 9252.0 | 8697.6 | 4325.0 | 1617.8 |
| 80° | 506.9 | 513.3 | 627.9 | 1011.5 | 1772.4 | 2086.9 | 4105.6 | 5662.9 | 4102.4 | 1147.7 | 535.0 |
| 82.5° | 277.7 | 310.2 | 383.7 | 654.9 | 1422.2 | 1928.0 | 2495.4 | 2866.1 | 1538.9 | 511.2 | 278.8 |
| 85° | 139.4 | 148.1 | 216.1 | 382.6 | 929.4 | 1595.1 | 1737.8 | 1643.8 | 794.3 | 254.0 | 144.8 |
| 87.5° | 41.1 | 51.9 | 89.7 | 148.1 | 377.2 | 831.1 | 967.2 | 867.8 | 305.8 | 91.9 | 30.3 |
| 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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 CATALOG NUMBER: GLAN-SA3C-735-U-SL3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 2.5° | 5310.6 | 5291.2 | 5204.7 | 5126.9 | 5055.6 | 4979.9 | 4916.2 | 4860.0 | 4865.4 | 4866.5 | 4809.2 |
| 5° | 5189.6 | 5145.3 | 4981.0 | 4827.6 | 4697.9 | 4533.6 | 4393.1 | 4302.3 | 4256.9 | 4196.4 | 4218.0 |
| 7.5° | 5025.3 | 4940.0 | 4711.9 | 4456.9 | 4218.0 | 4005.1 | 3773.9 | 3615.0 | 3513.4 | 3415.1 | 3428.0 |
| 10° | 4855.7 | 4718.4 | 4386.6 | 4049.4 | 3740.4 | 3399.9 | 3104.9 | 2852.0 | 2664.0 | 2593.7 | 2547.2 |
| 12.5° | 4681.7 | 4501.2 | 4079.7 | 3631.2 | 3204.3 | 2796.9 | 2378.7 | 2107.4 | 1899.9 | 1789.7 | 1803.7 |
| 15° | 4522.8 | 4303.4 | 3759.8 | 3213.0 | 2658.6 | 2173.3 | 1756.2 | 1497.9 | 1353.1 | 1322.8 | 1340.1 |
| 17.5° | 4375.8 | 4088.3 | 3460.5 | 2806.6 | 2159.3 | 1629.7 | 1319.6 | 1173.7 | 1115.3 | 1099.1 | 1098.0 |
| 20° | 4224.5 | 3905.7 | 3124.3 | 2372.2 | 1682.7 | 1263.4 | 1082.9 | 1014.8 | 1004.0 | 1010.5 | 1011.5 |
| 22.5° | 4071.1 | 3679.8 | 2778.5 | 1941.0 | 1340.1 | 1033.2 | 946.7 | 928.3 | 937.0 | 952.1 | 954.3 |
| 25° | 3929.5 | 3481.0 | 2445.7 | 1562.7 | 1069.9 | 907.8 | 865.7 | 865.7 | 885.1 | 907.8 | 908.9 |
| 27.5° | 3812.8 | 3288.6 | 2113.9 | 1240.7 | 895.9 | 817.0 | 803.0 | 810.5 | 837.6 | 854.8 | 855.9 |
| 30° | 3716.6 | 3109.2 | 1800.5 | 994.3 | 787.8 | 744.6 | 741.4 | 754.3 | 773.8 | 790.0 | 791.1 |
| 32.5° | 3644.2 | 2951.4 | 1507.6 | 835.4 | 713.3 | 689.5 | 688.4 | 698.1 | 708.9 | 713.3 | 717.6 |
| 35° | 3616.1 | 2820.7 | 1239.6 | 734.9 | 663.6 | 648.4 | 648.4 | 647.3 | 651.7 | 653.8 | 656.0 |
| 37.5° | 3638.8 | 2720.2 | 1032.1 | 670.0 | 626.8 | 616.0 | 609.5 | 603.0 | 600.9 | 600.9 | 602.0 |
| 40° | 3735.0 | 2667.2 | 877.5 | 627.9 | 600.9 | 584.7 | 572.8 | 565.2 | 557.6 | 559.8 | 562.0 |
| 42.5° | 3939.2 | 2676.9 | 772.7 | 599.8 | 578.2 | 555.5 | 538.2 | 529.6 | 524.1 | 530.6 | 529.6 |
| 45° | 4264.5 | 2774.2 | 705.7 | 580.3 | 555.5 | 526.3 | 510.1 | 501.5 | 501.5 | 511.2 | 514.4 |
| 47.5° | 4719.5 | 2960.1 | 670.0 | 565.2 | 538.2 | 503.6 | 487.4 | 480.9 | 483.1 | 499.3 | 500.4 |
| 50° | 5275.0 | 3283.2 | 663.6 | 557.6 | 529.6 | 487.4 | 469.0 | 462.5 | 467.9 | 485.2 | 487.4 |
| 52.5° | 5887.7 | 3699.3 | 694.9 | 558.7 | 522.0 | 477.7 | 453.9 | 444.2 | 449.6 | 463.6 | 467.9 |
| 55° | 6614.0 | 4220.2 | 776.0 | 563.1 | 511.2 | 472.3 | 443.1 | 421.5 | 428.0 | 437.7 | 438.8 |
| 57.5° | 7355.3 | 4877.3 | 918.6 | 564.1 | 502.5 | 462.5 | 424.7 | 396.6 | 396.6 | 403.1 | 406.3 |
| 60° | 8261.0 | 5592.7 | 1106.7 | 565.2 | 503.6 | 448.5 | 399.9 | 368.5 | 364.2 | 367.4 | 368.5 |
| 62.5° | 9160.1 | 6191.4 | 1138.0 | 562.0 | 514.4 | 434.4 | 372.8 | 340.4 | 332.9 | 331.8 | 329.6 |
| 65° | 9556.8 | 6080.1 | 932.7 | 546.8 | 526.3 | 425.8 | 351.2 | 313.4 | 300.4 | 296.1 | 296.1 |
| 67.5° | 8910.5 | 5143.1 | 701.4 | 526.3 | 518.7 | 417.2 | 330.7 | 290.7 | 275.6 | 266.9 | 266.9 |
| 69° | 8303.1 | 4574.7 | 630.1 | 512.3 | 499.3 | 403.1 | 317.7 | 278.8 | 260.5 | 250.7 | 247.5 |
| 70° | 7834.1 | 4183.4 | 599.8 | 500.4 | 480.9 | 386.9 | 308.0 | 270.2 | 249.6 | 238.8 | 236.7 |
| 72.5° | 6251.9 | 3282.1 | 525.2 | 455.0 | 409.6 | 325.3 | 273.4 | 243.2 | 223.7 | 211.8 | 208.6 |
| 75° | 3603.1 | 1778.9 | 435.5 | 395.5 | 329.6 | 252.9 | 231.3 | 211.8 | 196.7 | 185.9 | 182.6 |
| 77.5° | 1108.8 | 687.3 | 315.6 | 312.3 | 242.1 | 195.6 | 184.8 | 177.2 | 166.4 | 154.5 | 152.4 |
| 80° | 466.9 | 350.2 | 214.0 | 210.7 | 161.0 | 136.2 | 132.9 | 131.8 | 127.5 | 117.8 | 114.6 |
| 82.5° | 256.1 | 197.8 | 149.1 | 129.7 | 97.3 | 78.9 | 82.1 | 83.2 | 80.0 | 70.2 | 63.8 |
| 85° | 125.4 | 108.1 | 72.4 | 58.4 | 44.3 | 28.1 | 27.0 | 32.4 | 30.3 | 21.6 | 23.8 |
| 87.5° | 24.9 | 30.3 | 19.5 | 8.6 | 4.3 | 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 |

(END OF REPORT)