

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: P532715

Luminaire Tested: **GLAN-SA8A-750-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-750-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22052 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

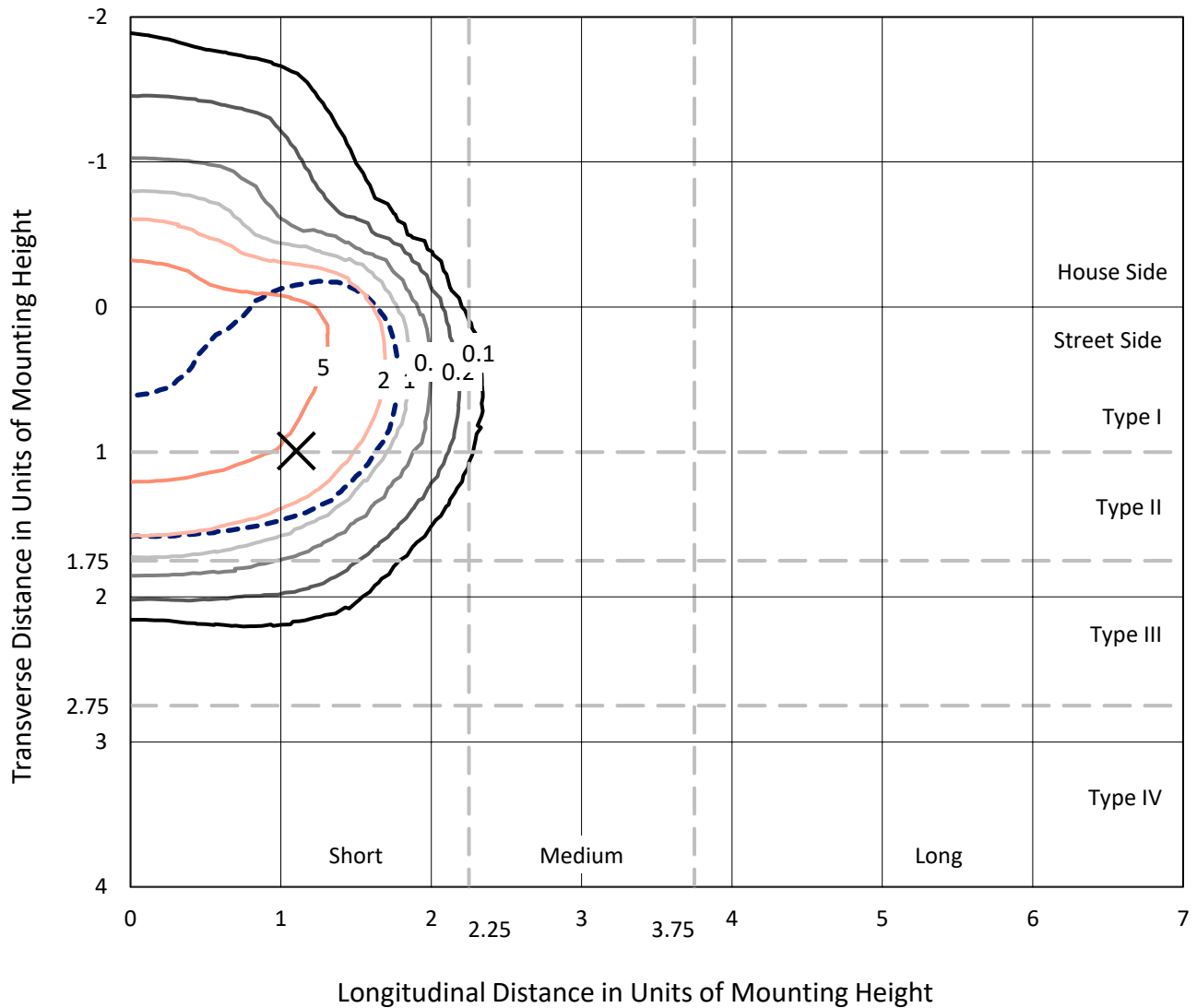
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

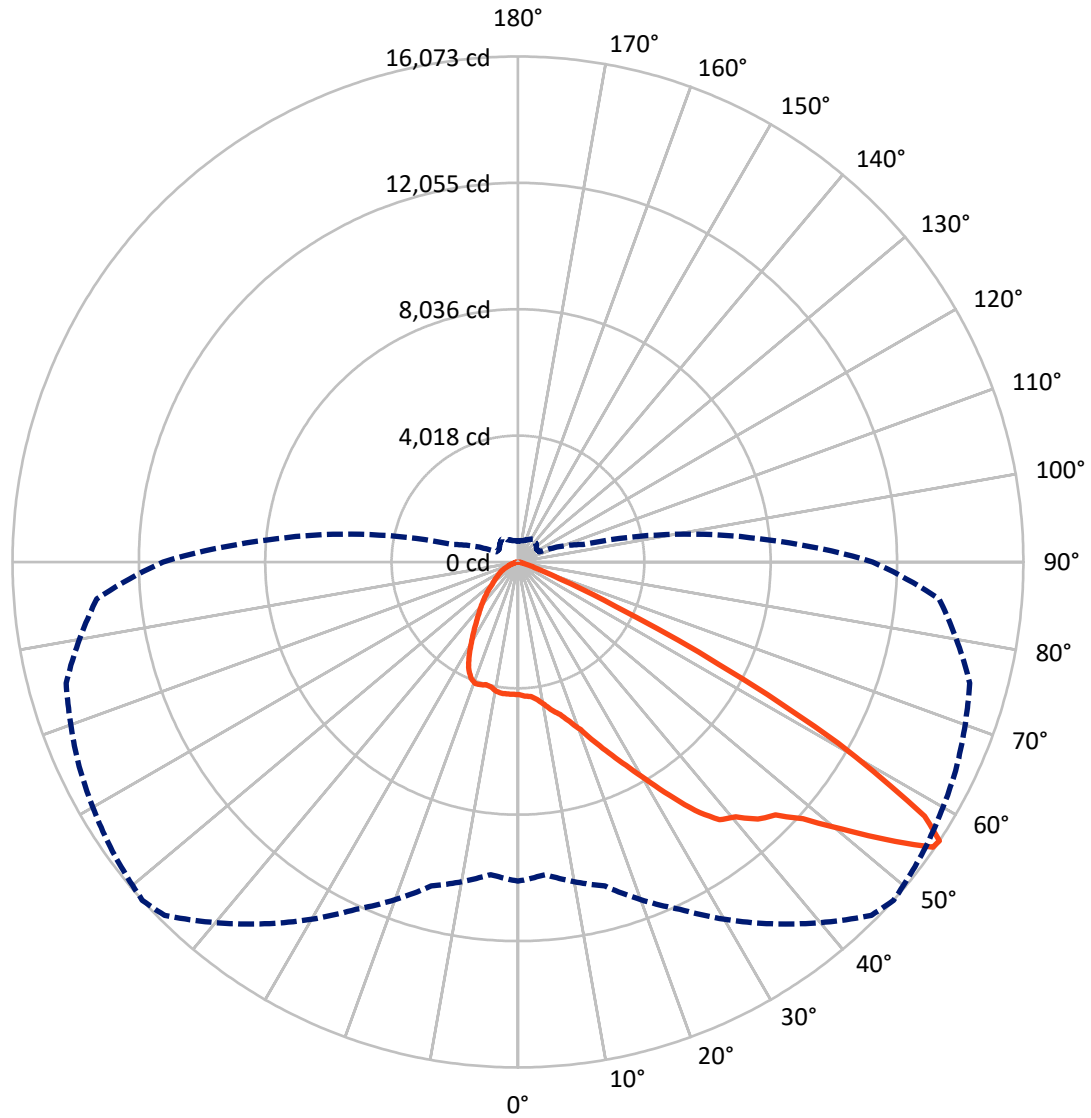
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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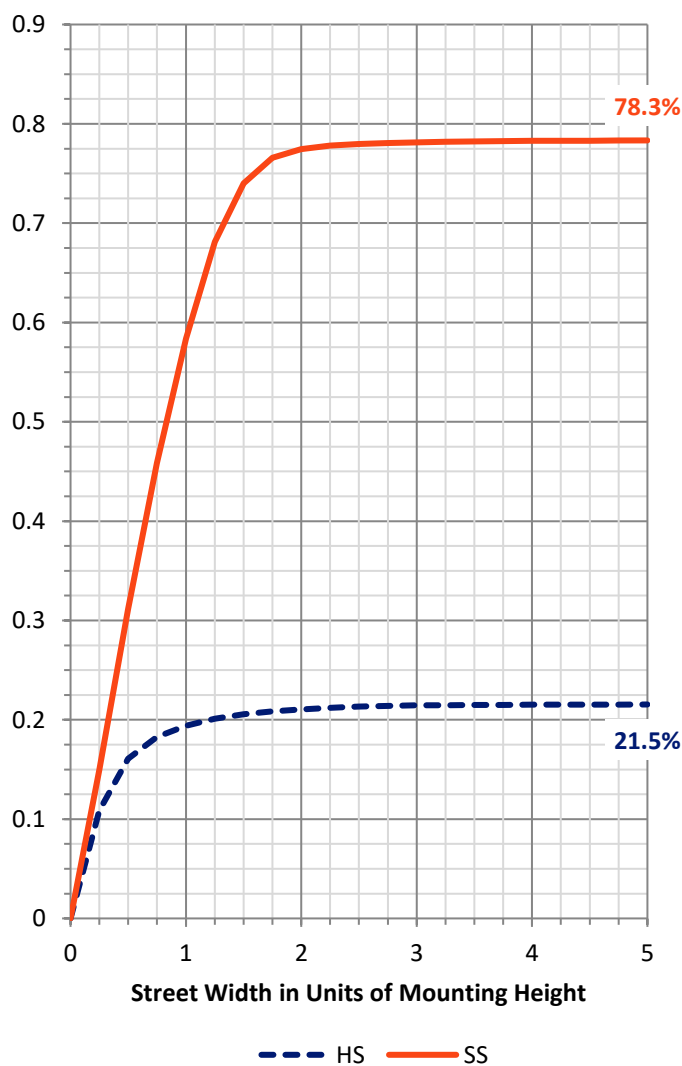
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4795.9 | 0.0 | 4795.9 |
| | % Fixture | 21.7 | 0.0 | 21.7 |
| Street Side | Lumens | 17256.1 | 0.0 | 17256.1 |
| | % Fixture | 78.3 | 0.0 | 78.3 |
| Total | Lumens | 22052.0 | 0.0 | 22052.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 410.3 | 1.9 |
| 10°-20° | 1311.2 | 5.9 |
| 20°-30° | 2378.3 | 10.8 |
| 30°-40° | 3735.8 | 16.9 |
| 40°-50° | 5449.9 | 24.7 |
| 50°-60° | 6566.0 | 29.8 |
| 60°-70° | 1922.5 | 8.7 |
| 70°-80° | 243.9 | 1.1 |
| 80°-90° | 34.2 | 0.2 |
| 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° | 22052.0 | 100.0 |
| 0°-180° | 22052.0 | 100.0 |

Coefficient of Utilization

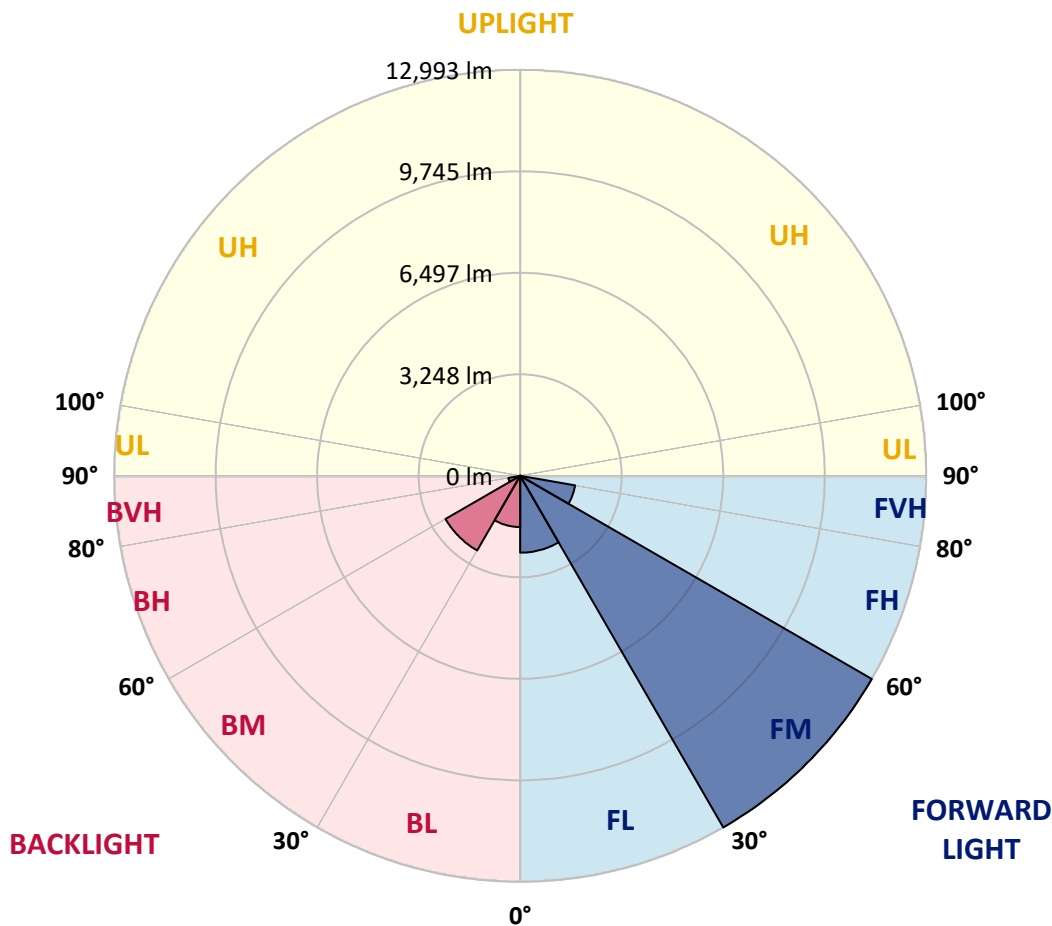


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2460.6 | 11.2 | | | |
| FM (30°-60°) | 12993.1 | 58.9 | | | |
| FH (60°-80°) | 1785.3 | 8.1 | | | G1/1800 |
| FVH (80°-90°) | 17.2 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1639.2 | 7.4 | B3/2500 | | |
| BM (30°-60°) | 2758.6 | 12.5 | B3/5000 | | |
| BH (60°-80°) | 381.1 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 17.0 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 |
| 2.5° | 4288.2 | 4268.2 | 4268.2 | 4236.0 | 4272.2 | 4256.1 | 4268.2 | 4228.0 | 4268.2 | 4207.9 | 4256.1 |
| 5° | 4308.3 | 4312.3 | 4296.3 | 4316.3 | 4316.3 | 4340.4 | 4300.3 | 4336.4 | 4356.5 | 4312.3 | 4292.2 |
| 7.5° | 4412.7 | 4420.7 | 4416.7 | 4400.7 | 4432.8 | 4428.8 | 4424.7 | 4396.6 | 4404.7 | 4388.6 | 4364.5 |
| 10° | 4617.5 | 4613.5 | 4633.5 | 4593.4 | 4569.3 | 4597.4 | 4605.4 | 4561.3 | 4529.1 | 4517.1 | 4440.8 |
| 12.5° | 4914.6 | 4866.4 | 4838.3 | 4798.2 | 4810.2 | 4770.1 | 4842.3 | 4766.0 | 4750.0 | 4677.7 | 4601.4 |
| 15° | 5155.5 | 5147.5 | 5151.5 | 5087.3 | 5015.0 | 5031.0 | 5031.0 | 4990.9 | 4966.8 | 4878.5 | 4770.1 |
| 17.5° | 5649.4 | 5480.7 | 5516.9 | 5436.6 | 5376.3 | 5372.3 | 5336.2 | 5344.2 | 5280.0 | 5095.3 | 4930.7 |
| 20° | 6034.8 | 5962.6 | 5906.4 | 5769.8 | 5677.5 | 5705.6 | 5689.5 | 5649.4 | 5629.3 | 5388.4 | 5155.5 |
| 22.5° | 6380.1 | 6404.2 | 6311.9 | 6275.8 | 6147.3 | 6159.3 | 6191.4 | 6155.3 | 6002.7 | 5753.8 | 5408.5 |
| 25° | 6866.0 | 6837.9 | 6713.4 | 6669.2 | 6548.8 | 6593.0 | 6717.4 | 6689.3 | 6593.0 | 6143.3 | 5605.2 |
| 27.5° | 7440.2 | 7343.8 | 7367.9 | 7167.1 | 7050.7 | 7175.2 | 7323.7 | 7464.3 | 7191.2 | 6601.0 | 5838.1 |
| 30° | 7845.7 | 7745.3 | 7737.3 | 7729.3 | 7701.1 | 7845.7 | 8018.3 | 8146.8 | 7926.0 | 7058.7 | 6223.6 |
| 32.5° | 8046.5 | 8070.5 | 8138.8 | 8114.7 | 8359.6 | 8656.8 | 8837.4 | 9022.1 | 8745.1 | 7805.5 | 6733.5 |
| 35° | 8580.5 | 8427.9 | 8580.5 | 8596.5 | 8849.5 | 9479.9 | 9708.7 | 10150.4 | 10082.2 | 8861.5 | 7355.8 |
| 37.5° | 8893.7 | 8881.6 | 8901.7 | 9054.3 | 9299.2 | 10078.1 | 10403.4 | 10744.7 | 10616.2 | 9495.9 | 8130.8 |
| 40° | 9411.6 | 9443.7 | 9439.7 | 9556.2 | 9825.2 | 10527.8 | 10660.3 | 10937.4 | 10949.4 | 10375.3 | 9271.1 |
| 42.5° | 10242.8 | 10114.3 | 10030.0 | 10150.4 | 10527.8 | 10917.3 | 11182.3 | 11126.1 | 11523.6 | 11443.3 | 10736.6 |
| 45° | 10989.6 | 11065.9 | 10941.4 | 11142.2 | 11278.7 | 11487.5 | 11479.4 | 11599.9 | 12105.8 | 12487.3 | 11840.8 |
| 47.5° | 11688.2 | 11736.4 | 11796.6 | 11933.2 | 12230.3 | 12262.4 | 12194.2 | 12142.0 | 12840.6 | 13234.1 | 12696.1 |
| 50° | 12105.8 | 12150.0 | 12431.0 | 12676.0 | 13230.1 | 13302.3 | 13342.5 | 13210.0 | 13683.8 | 13728.0 | 13503.1 |
| 52.5° | 11993.4 | 12041.6 | 12435.1 | 13242.1 | 14125.5 | 14788.0 | 14667.5 | 14442.7 | 14414.6 | 14587.2 | 14249.9 |
| 55° | 10997.6 | 10953.5 | 11495.5 | 12752.3 | 14406.5 | 15996.5 | 16012.6 | 15775.7 | 15322.0 | 15205.6 | 14137.5 |
| 56° | 10150.4 | 9977.8 | 10668.4 | 12186.1 | 14045.2 | 15892.1 | 16072.8 | 15819.9 | 15394.3 | 14872.3 | 13442.9 |
| 57.5° | 8315.5 | 8480.1 | 9166.7 | 10423.5 | 12796.4 | 15141.3 | 15245.7 | 15185.5 | 14864.3 | 13988.9 | 11828.8 |
| 60° | 4585.4 | 4874.4 | 5480.7 | 7018.6 | 9110.5 | 11620.0 | 11704.3 | 12194.2 | 12254.4 | 10712.5 | 8138.8 |
| 62.5° | 1947.4 | 1915.2 | 2545.6 | 3677.9 | 5187.6 | 7014.5 | 7171.1 | 7673.0 | 7765.4 | 6175.4 | 4083.5 |
| 65° | 791.0 | 835.2 | 1152.4 | 1851.0 | 2742.4 | 3196.1 | 3416.9 | 3581.6 | 3886.7 | 2549.7 | 1505.7 |
| 67.5° | 522.0 | 518.0 | 678.6 | 1056.0 | 1477.6 | 1425.4 | 1425.4 | 1505.7 | 1393.3 | 1039.9 | 650.5 |
| 70° | 373.4 | 385.5 | 485.8 | 730.8 | 919.5 | 682.6 | 654.5 | 626.4 | 710.7 | 686.6 | 526.0 |
| 72.5° | 244.9 | 261.0 | 325.2 | 437.7 | 477.8 | 373.4 | 373.4 | 449.7 | 586.2 | 554.1 | 429.6 |
| 75° | 160.6 | 164.6 | 200.8 | 253.0 | 236.9 | 192.7 | 212.8 | 301.1 | 425.6 | 409.6 | 305.2 |
| 77.5° | 108.4 | 112.4 | 136.5 | 164.6 | 132.5 | 108.4 | 116.4 | 152.6 | 208.8 | 208.8 | 160.6 |
| 80° | 40.2 | 44.2 | 56.2 | 52.2 | 60.2 | 76.3 | 84.3 | 104.4 | 124.5 | 124.5 | 108.4 |
| 82.5° | 0.0 | 4.0 | 12.0 | 28.1 | 44.2 | 60.2 | 68.3 | 80.3 | 92.3 | 104.4 | 100.4 |
| 85° | 0.0 | 4.0 | 12.0 | 20.1 | 32.1 | 36.1 | 40.2 | 28.1 | 24.1 | 24.1 | 20.1 |
| 87.5° | 0.0 | 0.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 8.0 | 4.0 | 4.0 |
| 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-SA8A-750-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 | 4211.9 |
| 2.5° | 4211.9 | 4207.9 | 4207.9 | 4195.9 | 4220.0 | 4207.9 | 4216.0 | 4211.9 | 4159.7 | 4199.9 | 4171.8 |
| 5° | 4256.1 | 4284.2 | 4240.0 | 4232.0 | 4199.9 | 4211.9 | 4211.9 | 4171.8 | 4207.9 | 4203.9 | 4195.9 |
| 7.5° | 4368.5 | 4320.4 | 4272.2 | 4224.0 | 4216.0 | 4203.9 | 4159.7 | 4143.7 | 4171.8 | 4139.7 | 4187.9 |
| 10° | 4416.7 | 4424.7 | 4352.5 | 4288.2 | 4228.0 | 4143.7 | 4083.5 | 4047.3 | 4003.2 | 4051.3 | 4079.4 |
| 12.5° | 4637.6 | 4557.2 | 4432.8 | 4332.4 | 4127.6 | 4043.3 | 3983.1 | 3967.0 | 4043.3 | 4059.4 | 4031.3 |
| 15° | 4713.8 | 4701.8 | 4541.2 | 4316.3 | 4103.5 | 4003.2 | 4015.2 | 3983.1 | 3991.1 | 3951.0 | 3959.0 |
| 17.5° | 4870.4 | 4733.9 | 4545.2 | 4264.1 | 4099.5 | 4075.4 | 4003.2 | 3874.7 | 3802.4 | 3770.3 | 3798.4 |
| 20° | 5043.1 | 4910.6 | 4637.6 | 4284.2 | 4135.7 | 4071.4 | 3834.5 | 3677.9 | 3529.4 | 3449.1 | 3453.1 |
| 22.5° | 5195.7 | 5031.0 | 4597.4 | 4292.2 | 4167.8 | 3902.8 | 3617.7 | 3308.5 | 3123.8 | 2999.4 | 3003.4 |
| 25° | 5380.4 | 5147.5 | 4613.5 | 4308.3 | 4083.5 | 3633.8 | 3224.2 | 2923.1 | 2702.2 | 2617.9 | 2646.0 |
| 27.5° | 5484.8 | 5219.8 | 4701.8 | 4344.4 | 3862.6 | 3252.3 | 2810.6 | 2529.6 | 2401.1 | 2360.9 | 2356.9 |
| 30° | 5797.9 | 5380.4 | 4810.2 | 4272.2 | 3493.2 | 2842.8 | 2433.2 | 2260.6 | 2136.1 | 2099.9 | 2108.0 |
| 32.5° | 6263.7 | 5673.5 | 4950.7 | 4083.5 | 3115.8 | 2477.4 | 2188.3 | 2059.8 | 1943.4 | 1875.1 | 1867.1 |
| 35° | 6653.2 | 6175.4 | 5099.3 | 3790.3 | 2678.1 | 2196.3 | 2015.6 | 1855.0 | 1678.4 | 1602.1 | 1582.0 |
| 37.5° | 7396.0 | 6741.5 | 5067.2 | 3348.7 | 2260.6 | 1987.5 | 1830.9 | 1634.2 | 1481.6 | 1377.2 | 1365.2 |
| 40° | 8383.7 | 7404.0 | 4910.6 | 2810.6 | 1951.4 | 1802.8 | 1634.2 | 1445.5 | 1256.8 | 1168.4 | 1160.4 |
| 42.5° | 9584.3 | 8215.1 | 4625.5 | 2264.6 | 1642.2 | 1618.1 | 1465.5 | 1248.7 | 1080.1 | 1015.8 | 1019.9 |
| 45° | 10560.0 | 8909.7 | 4336.4 | 1818.9 | 1413.3 | 1437.4 | 1304.9 | 1100.2 | 983.7 | 931.5 | 931.5 |
| 47.5° | 11427.3 | 9379.5 | 4023.2 | 1501.7 | 1200.5 | 1256.8 | 1140.3 | 1019.9 | 919.5 | 879.3 | 871.3 |
| 50° | 12262.4 | 9857.3 | 3710.0 | 1216.6 | 1023.9 | 1080.1 | 1068.0 | 971.7 | 891.4 | 843.2 | 847.2 |
| 52.5° | 12784.4 | 9933.6 | 3312.5 | 995.8 | 895.4 | 959.6 | 999.8 | 911.4 | 823.1 | 795.0 | 787.0 |
| 55° | 12146.0 | 8949.9 | 2569.7 | 819.1 | 758.9 | 843.2 | 919.5 | 819.1 | 750.8 | 702.7 | 698.6 |
| 56° | 11286.7 | 8002.3 | 2148.1 | 754.9 | 718.7 | 811.1 | 891.4 | 783.0 | 706.7 | 678.6 | 658.5 |
| 57.5° | 9556.2 | 6548.8 | 1586.0 | 670.5 | 666.5 | 754.9 | 847.2 | 746.8 | 658.5 | 634.4 | 634.4 |
| 60° | 5958.6 | 3686.0 | 959.6 | 562.1 | 578.2 | 670.5 | 762.9 | 666.5 | 586.2 | 586.2 | 598.3 |
| 62.5° | 2714.3 | 1533.8 | 582.2 | 477.8 | 497.9 | 578.2 | 678.6 | 602.3 | 558.1 | 602.3 | 610.3 |
| 65° | 923.5 | 662.5 | 421.6 | 381.4 | 393.5 | 477.8 | 582.2 | 610.3 | 606.3 | 634.4 | 650.5 |
| 67.5° | 518.0 | 425.6 | 353.3 | 317.2 | 309.2 | 353.3 | 477.8 | 610.3 | 586.2 | 574.2 | 582.2 |
| 70° | 437.7 | 361.4 | 313.2 | 281.1 | 269.0 | 285.1 | 369.4 | 461.7 | 413.6 | 401.5 | 393.5 |
| 72.5° | 353.3 | 301.1 | 273.0 | 253.0 | 216.8 | 184.7 | 168.6 | 176.7 | 196.7 | 208.8 | 228.9 |
| 75° | 248.9 | 228.9 | 228.9 | 204.8 | 156.6 | 116.4 | 92.3 | 76.3 | 52.2 | 36.1 | 40.2 |
| 77.5° | 140.5 | 140.5 | 144.5 | 124.5 | 100.4 | 76.3 | 56.2 | 40.2 | 20.1 | 8.0 | 4.0 |
| 80° | 96.4 | 104.4 | 112.4 | 100.4 | 84.3 | 68.3 | 48.2 | 28.1 | 12.0 | 0.0 | 0.0 |
| 82.5° | 96.4 | 108.4 | 116.4 | 100.4 | 84.3 | 64.2 | 48.2 | 28.1 | 12.0 | 4.0 | 0.0 |
| 85° | 20.1 | 24.1 | 28.1 | 32.1 | 48.2 | 48.2 | 36.1 | 24.1 | 12.0 | 4.0 | 0.0 |
| 87.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 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)