

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: P528530

Luminaire Tested: **GLAN-SA3C-760-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-760-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17893 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

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

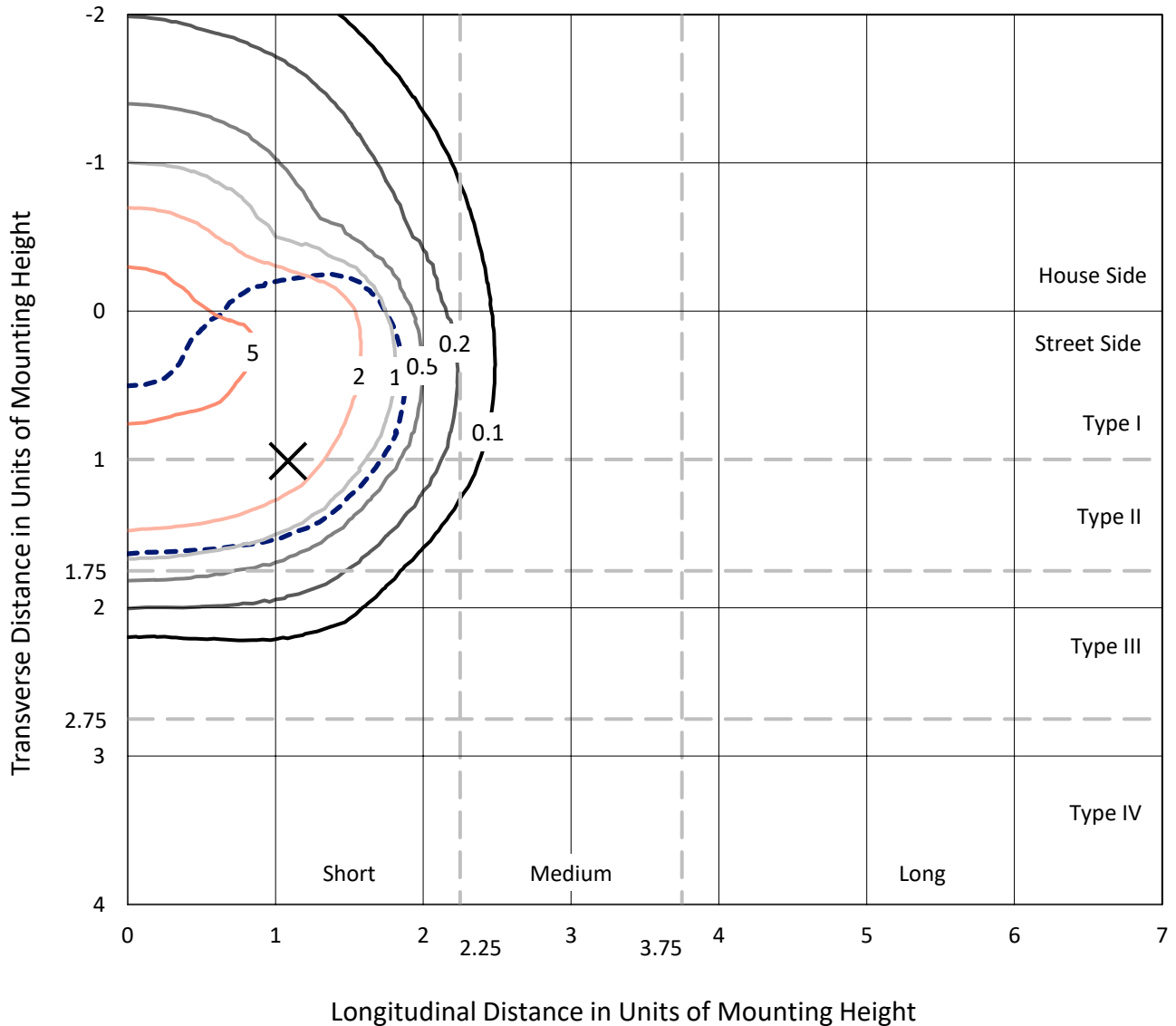




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Iso-Footcandle Lines of Horizontal Illumination

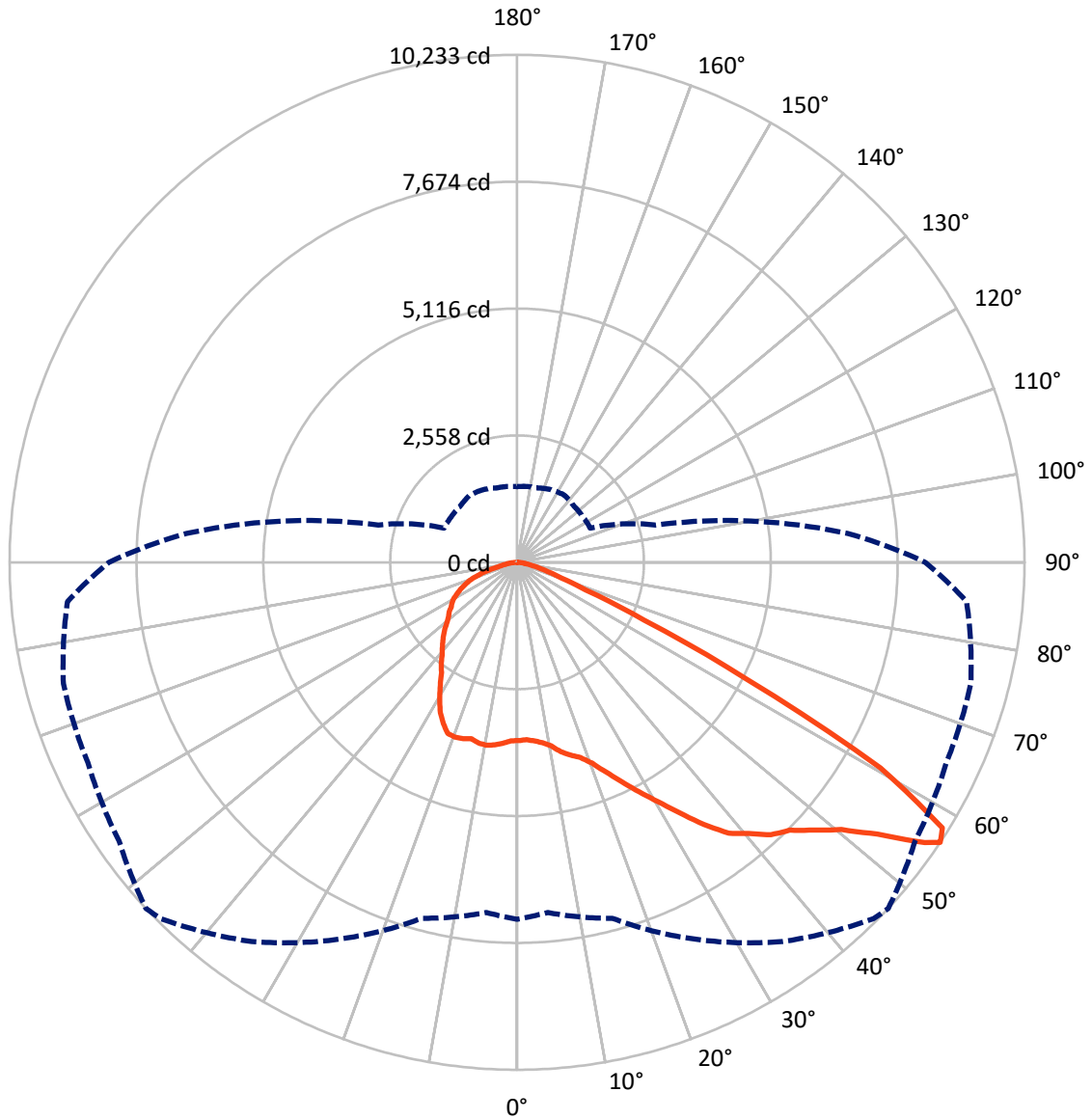
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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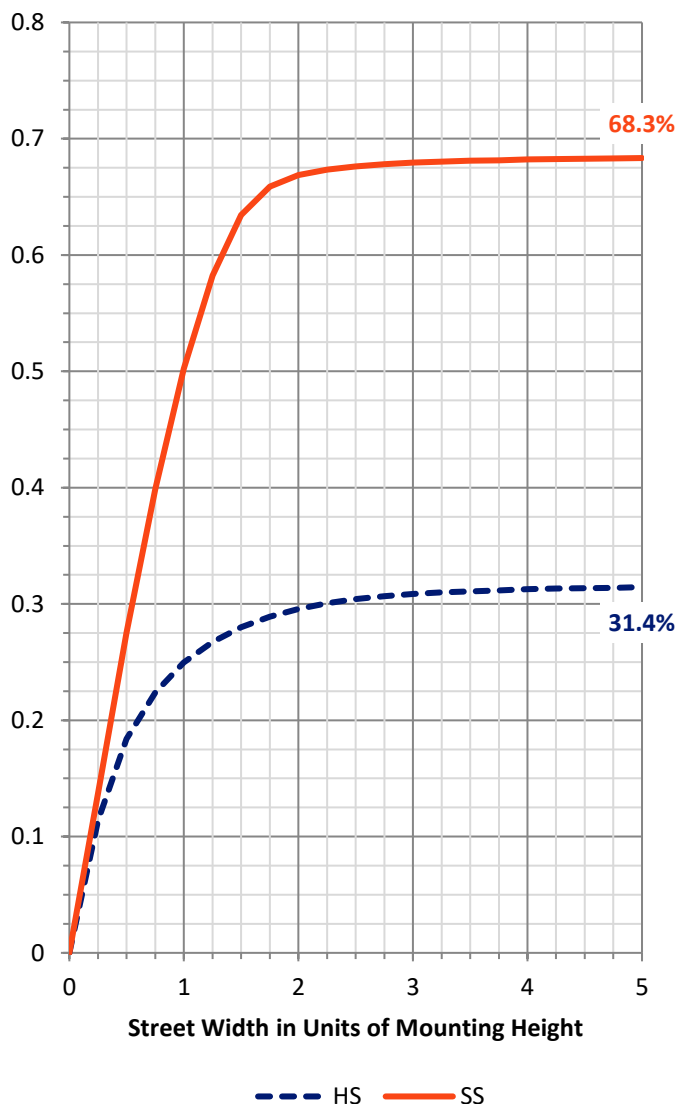
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5670.1 | 0.0 | 5670.1 |
| | % Fixture | 31.7 | 0.0 | 31.7 |
| Street Side | Lumens | 12222.9 | 0.0 | 12222.9 |
| | % Fixture | 68.3 | 0.0 | 68.3 |
| Total | Lumens | 17893.0 | 0.0 | 17893.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 350.2 | 2.0 |
| 10°-20° | 1104.7 | 6.2 |
| 20°-30° | 1952.9 | 10.9 |
| 30°-40° | 2933.1 | 16.4 |
| 40°-50° | 4025.5 | 22.5 |
| 50°-60° | 4795.8 | 26.8 |
| 60°-70° | 2052.3 | 11.5 |
| 70°-80° | 580.8 | 3.2 |
| 80°-90° | 97.7 | 0.5 |
| 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° | 17893.0 | 100.0 |
| 0°-180° | 17893.0 | 100.0 |

Coefficient of Utilization

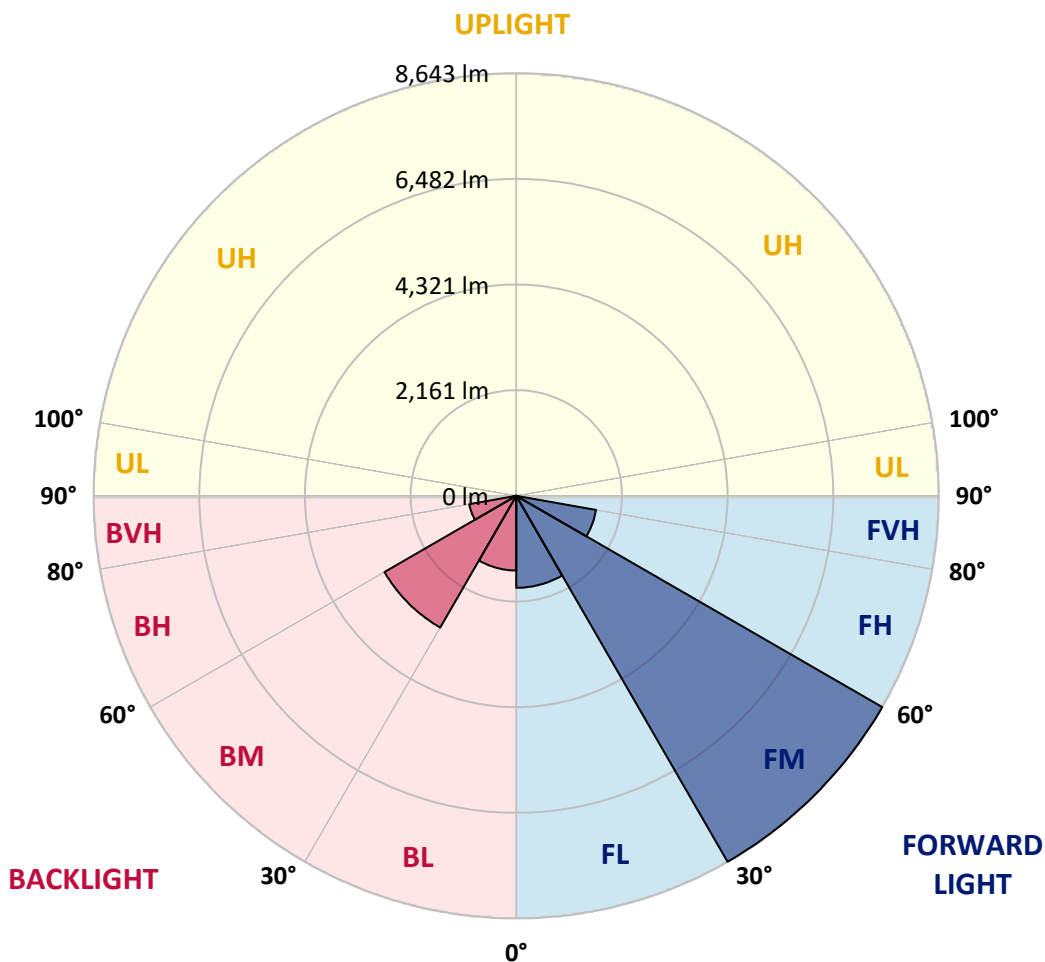


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1881.2 | 10.5 | | | |
| FM (30°-60°) | 8642.7 | 48.3 | | | |
| FH (60°-80°) | 1657.5 | 9.3 | | | G1/1800 |
| FVH (80°-90°) | 41.5 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1526.6 | 8.5 | B3/2500 | | |
| BM (30°-60°) | 3111.6 | 17.4 | B3/5000 | | |
| BH (60°-80°) | 975.6 | 5.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 56.3 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| 0° | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 |
| 2.5° | 3580.5 | 3573.6 | 3569.1 | 3605.6 | 3591.9 | 3594.2 | 3580.5 | 3594.2 | 3603.3 | 3582.8 | 3612.4 |
| 5° | 3573.6 | 3594.2 | 3575.9 | 3587.3 | 3617.0 | 3607.9 | 3617.0 | 3644.4 | 3637.5 | 3630.7 | 3621.5 |
| 7.5° | 3637.5 | 3639.8 | 3653.5 | 3658.1 | 3667.2 | 3658.1 | 3671.7 | 3696.9 | 3690.0 | 3651.2 | 3655.8 |
| 10° | 3728.8 | 3733.4 | 3735.6 | 3760.7 | 3776.7 | 3779.0 | 3763.0 | 3740.2 | 3737.9 | 3790.4 | 3753.9 |
| 12.5° | 3833.8 | 3822.4 | 3849.7 | 3858.9 | 3877.1 | 3897.7 | 3918.2 | 3870.3 | 3899.9 | 3902.2 | 3858.9 |
| 15° | 3986.7 | 3998.1 | 3966.1 | 3966.1 | 3973.0 | 3975.3 | 4032.3 | 4009.5 | 4004.9 | 3979.8 | 3998.1 |
| 17.5° | 4214.9 | 4137.3 | 4135.0 | 4103.0 | 4098.5 | 4116.7 | 4137.3 | 4155.5 | 4217.1 | 4166.9 | 4068.8 |
| 20° | 4381.5 | 4399.7 | 4333.5 | 4294.7 | 4301.6 | 4342.7 | 4322.1 | 4404.3 | 4447.6 | 4365.5 | 4269.6 |
| 22.5° | 4675.8 | 4614.2 | 4630.2 | 4543.5 | 4550.3 | 4593.7 | 4591.4 | 4675.8 | 4700.9 | 4570.9 | 4431.7 |
| 25° | 4874.4 | 4858.4 | 4872.1 | 4803.6 | 4812.8 | 4847.0 | 4901.7 | 5041.0 | 4999.9 | 4856.1 | 4534.3 |
| 27.5° | 5164.2 | 5132.2 | 5120.8 | 5095.7 | 5086.6 | 5177.9 | 5241.8 | 5390.1 | 5360.4 | 5150.5 | 4716.9 |
| 30° | 5460.8 | 5440.3 | 5451.7 | 5349.0 | 5385.5 | 5579.5 | 5597.8 | 5800.9 | 5787.2 | 5417.5 | 4920.0 |
| 32.5° | 5666.2 | 5677.6 | 5698.2 | 5641.1 | 5803.1 | 5958.3 | 6019.9 | 6250.4 | 6261.8 | 5876.2 | 5312.5 |
| 35° | 5997.1 | 5958.3 | 5969.7 | 6035.9 | 6111.2 | 6394.2 | 6494.6 | 6647.5 | 6743.3 | 6357.7 | 5689.0 |
| 37.5° | 6204.8 | 6245.9 | 6197.9 | 6302.9 | 6499.2 | 6839.2 | 6930.5 | 7087.9 | 7188.3 | 6832.3 | 6202.5 |
| 40° | 6528.8 | 6462.6 | 6496.9 | 6572.2 | 6773.0 | 7215.7 | 7190.6 | 7352.6 | 7384.6 | 7236.2 | 6681.7 |
| 42.5° | 6878.0 | 6846.0 | 6798.1 | 6969.2 | 7138.1 | 7459.9 | 7510.1 | 7434.8 | 7596.8 | 7631.0 | 7366.3 |
| 45° | 7295.6 | 7334.4 | 7341.2 | 7345.8 | 7494.1 | 7774.8 | 7706.3 | 7640.2 | 7827.3 | 8076.0 | 7790.8 |
| 47.5° | 7683.5 | 7560.3 | 7649.3 | 7772.5 | 7982.5 | 7984.7 | 8064.6 | 7907.2 | 8105.7 | 8327.0 | 8174.1 |
| 50° | 7813.6 | 7754.3 | 7872.9 | 8105.7 | 8429.7 | 8464.0 | 8473.1 | 8249.5 | 8352.1 | 8527.9 | 8306.5 |
| 52.5° | 7763.4 | 7742.8 | 8046.4 | 8406.9 | 8881.6 | 9055.0 | 9100.6 | 8824.5 | 8881.6 | 8801.7 | 8598.6 |
| 55° | 7523.8 | 7585.4 | 7891.2 | 8626.0 | 9353.9 | 9890.2 | 9976.9 | 9627.8 | 9264.9 | 9326.6 | 9102.9 |
| 56° | 7195.2 | 7087.9 | 7430.2 | 8377.2 | 9333.4 | 10161.8 | 10232.5 | 9796.7 | 9550.2 | 9470.3 | 9098.4 |
| 57.5° | 6104.4 | 5965.2 | 6414.7 | 7537.5 | 8815.4 | 10059.1 | 10111.6 | 9867.4 | 9502.3 | 9340.3 | 8434.3 |
| 60° | 3573.6 | 3642.1 | 4212.6 | 5198.4 | 6800.4 | 8247.2 | 8422.9 | 8600.9 | 8356.7 | 7631.0 | 6277.8 |
| 62.5° | 1725.2 | 1681.8 | 2090.3 | 2980.3 | 4144.1 | 5264.6 | 5212.1 | 5711.9 | 5985.7 | 5422.0 | 3963.8 |
| 65° | 903.7 | 899.1 | 1141.0 | 1627.1 | 2277.4 | 2765.8 | 2813.7 | 3083.0 | 3459.5 | 2793.2 | 2012.7 |
| 67.5° | 664.1 | 682.3 | 803.3 | 1143.3 | 1465.0 | 1494.7 | 1487.9 | 1622.5 | 1659.0 | 1403.4 | 1236.8 |
| 70° | 520.3 | 529.4 | 618.4 | 869.4 | 1090.8 | 976.7 | 956.2 | 972.1 | 1079.4 | 1125.0 | 1070.3 |
| 72.5° | 376.5 | 385.7 | 461.0 | 586.5 | 682.3 | 666.3 | 680.0 | 769.0 | 901.4 | 949.3 | 892.3 |
| 75° | 251.0 | 257.9 | 298.9 | 358.3 | 403.9 | 435.9 | 461.0 | 563.7 | 686.9 | 714.3 | 686.9 |
| 77.5° | 173.4 | 180.3 | 207.7 | 253.3 | 257.9 | 278.4 | 287.5 | 335.5 | 410.8 | 445.0 | 426.7 |
| 80° | 98.1 | 98.1 | 111.8 | 130.1 | 159.7 | 187.1 | 191.7 | 230.5 | 264.7 | 287.5 | 292.1 |
| 82.5° | 45.6 | 47.9 | 59.3 | 79.9 | 105.0 | 130.1 | 134.6 | 159.7 | 184.8 | 207.7 | 214.5 |
| 85° | 22.8 | 25.1 | 34.2 | 47.9 | 63.9 | 77.6 | 75.3 | 77.6 | 82.2 | 77.6 | 79.9 |
| 87.5° | 6.8 | 6.8 | 9.1 | 11.4 | 9.1 | 11.4 | 11.4 | 13.7 | 16.0 | 18.3 | 20.5 |
| 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-760-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 | 3594.2 |
| 2.5° | 3614.7 | 3621.5 | 3575.9 | 3619.3 | 3603.3 | 3601.0 | 3633.0 | 3628.4 | 3639.8 | 3635.2 | 3607.9 |
| 5° | 3617.0 | 3601.0 | 3648.9 | 3605.6 | 3626.1 | 3669.5 | 3639.8 | 3708.3 | 3674.0 | 3696.9 | 3646.6 |
| 7.5° | 3687.7 | 3692.3 | 3683.2 | 3701.4 | 3692.3 | 3712.8 | 3696.9 | 3712.8 | 3685.4 | 3687.7 | 3733.4 |
| 10° | 3749.3 | 3735.6 | 3751.6 | 3728.8 | 3744.8 | 3737.9 | 3701.4 | 3690.0 | 3699.1 | 3687.7 | 3717.4 |
| 12.5° | 3863.4 | 3838.3 | 3826.9 | 3799.5 | 3781.3 | 3712.8 | 3655.8 | 3623.8 | 3667.2 | 3674.0 | 3660.3 |
| 15° | 3979.8 | 3982.1 | 3929.6 | 3868.0 | 3753.9 | 3651.2 | 3664.9 | 3676.3 | 3676.3 | 3694.6 | 3660.3 |
| 17.5° | 4052.8 | 4052.8 | 4004.9 | 3881.7 | 3765.3 | 3706.0 | 3692.3 | 3655.8 | 3623.8 | 3619.3 | 3617.0 |
| 20° | 4180.6 | 4141.8 | 4032.3 | 3879.4 | 3760.7 | 3733.4 | 3630.7 | 3544.0 | 3477.8 | 3455.0 | 3452.7 |
| 22.5° | 4326.7 | 4228.6 | 4075.7 | 3884.0 | 3753.9 | 3715.1 | 3523.4 | 3393.3 | 3274.7 | 3224.5 | 3231.3 |
| 25° | 4461.3 | 4303.9 | 4100.8 | 3863.4 | 3728.8 | 3541.7 | 3327.2 | 3146.9 | 3023.7 | 2982.6 | 2962.0 |
| 27.5° | 4554.9 | 4383.7 | 4100.8 | 3881.7 | 3635.2 | 3347.7 | 3128.6 | 2898.1 | 2790.9 | 2763.5 | 2768.1 |
| 30° | 4680.4 | 4484.1 | 4171.5 | 3842.9 | 3448.1 | 3096.7 | 2834.3 | 2683.6 | 2619.7 | 2596.9 | 2612.9 |
| 32.5° | 4974.8 | 4746.6 | 4269.6 | 3749.3 | 3226.8 | 2845.7 | 2633.4 | 2549.0 | 2455.4 | 2409.8 | 2393.8 |
| 35° | 5294.3 | 4995.3 | 4365.5 | 3591.9 | 2978.0 | 2617.5 | 2485.1 | 2407.5 | 2295.7 | 2245.5 | 2254.6 |
| 37.5° | 5746.1 | 5314.8 | 4372.3 | 3331.7 | 2708.7 | 2489.7 | 2368.7 | 2247.8 | 2156.5 | 2078.9 | 2056.1 |
| 40° | 6355.4 | 5750.7 | 4356.4 | 3057.9 | 2492.0 | 2339.1 | 2250.1 | 2099.4 | 1996.8 | 1942.0 | 1953.4 |
| 42.5° | 6891.7 | 6261.8 | 4290.2 | 2747.5 | 2295.7 | 2236.4 | 2136.0 | 1987.6 | 1887.2 | 1830.2 | 1825.6 |
| 45° | 7343.5 | 6638.4 | 4164.7 | 2482.8 | 2131.4 | 2122.3 | 2005.9 | 1891.8 | 1811.9 | 1759.4 | 1782.2 |
| 47.5° | 7761.1 | 6941.9 | 3975.3 | 2218.1 | 1980.8 | 1999.0 | 1887.2 | 1816.5 | 1766.3 | 1718.4 | 1716.1 |
| 50° | 7911.7 | 6937.3 | 3808.7 | 1999.0 | 1859.8 | 1850.7 | 1846.1 | 1770.8 | 1718.4 | 1677.3 | 1695.5 |
| 52.5° | 8162.7 | 7014.9 | 3628.4 | 1848.4 | 1750.3 | 1752.6 | 1768.6 | 1713.8 | 1654.5 | 1629.4 | 1652.2 |
| 55° | 8523.3 | 7026.3 | 3231.3 | 1672.7 | 1659.0 | 1675.0 | 1675.0 | 1638.5 | 1588.3 | 1567.7 | 1556.3 |
| 56° | 8228.9 | 6686.3 | 2898.1 | 1627.1 | 1613.4 | 1613.4 | 1656.7 | 1615.7 | 1554.0 | 1538.1 | 1524.4 |
| 57.5° | 7590.0 | 5857.9 | 2425.8 | 1572.3 | 1551.8 | 1583.7 | 1606.5 | 1563.2 | 1506.1 | 1483.3 | 1497.0 |
| 60° | 5234.9 | 3963.8 | 1823.3 | 1453.6 | 1453.6 | 1506.1 | 1524.4 | 1460.5 | 1435.4 | 1433.1 | 1414.8 |
| 62.5° | 3055.6 | 2309.4 | 1426.3 | 1346.4 | 1350.9 | 1394.3 | 1408.0 | 1371.5 | 1339.5 | 1378.3 | 1396.6 |
| 65° | 1620.2 | 1378.3 | 1223.2 | 1232.3 | 1234.6 | 1268.8 | 1328.1 | 1325.8 | 1323.6 | 1335.0 | 1337.3 |
| 67.5° | 1173.0 | 1145.6 | 1111.3 | 1102.2 | 1106.8 | 1131.9 | 1191.2 | 1236.8 | 1234.6 | 1207.2 | 1186.6 |
| 70° | 1045.2 | 1006.4 | 985.8 | 988.1 | 969.9 | 999.5 | 1047.4 | 1077.1 | 1024.6 | 992.7 | 979.0 |
| 72.5° | 869.4 | 858.0 | 844.3 | 846.6 | 810.1 | 803.3 | 748.5 | 748.5 | 734.8 | 725.7 | 741.7 |
| 75° | 664.1 | 659.5 | 666.3 | 654.9 | 616.1 | 575.1 | 543.1 | 513.5 | 467.8 | 449.6 | 440.4 |
| 77.5° | 419.9 | 433.6 | 449.6 | 424.5 | 408.5 | 378.8 | 346.9 | 317.2 | 280.7 | 260.1 | 260.1 |
| 80° | 285.3 | 296.7 | 308.1 | 303.5 | 285.3 | 257.9 | 232.8 | 200.8 | 175.7 | 159.7 | 157.5 |
| 82.5° | 216.8 | 225.9 | 241.9 | 223.6 | 205.4 | 182.6 | 162.0 | 139.2 | 116.4 | 98.1 | 98.1 |
| 85° | 77.6 | 89.0 | 98.1 | 107.3 | 114.1 | 116.4 | 100.4 | 82.2 | 66.2 | 52.5 | 50.2 |
| 87.5° | 20.5 | 22.8 | 25.1 | 22.8 | 22.8 | 22.8 | 25.1 | 22.8 | 20.5 | 16.0 | 16.0 |
| 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)