

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: P530152

Luminaire Tested: **GLAN-SA5B-760-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-760-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25713 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

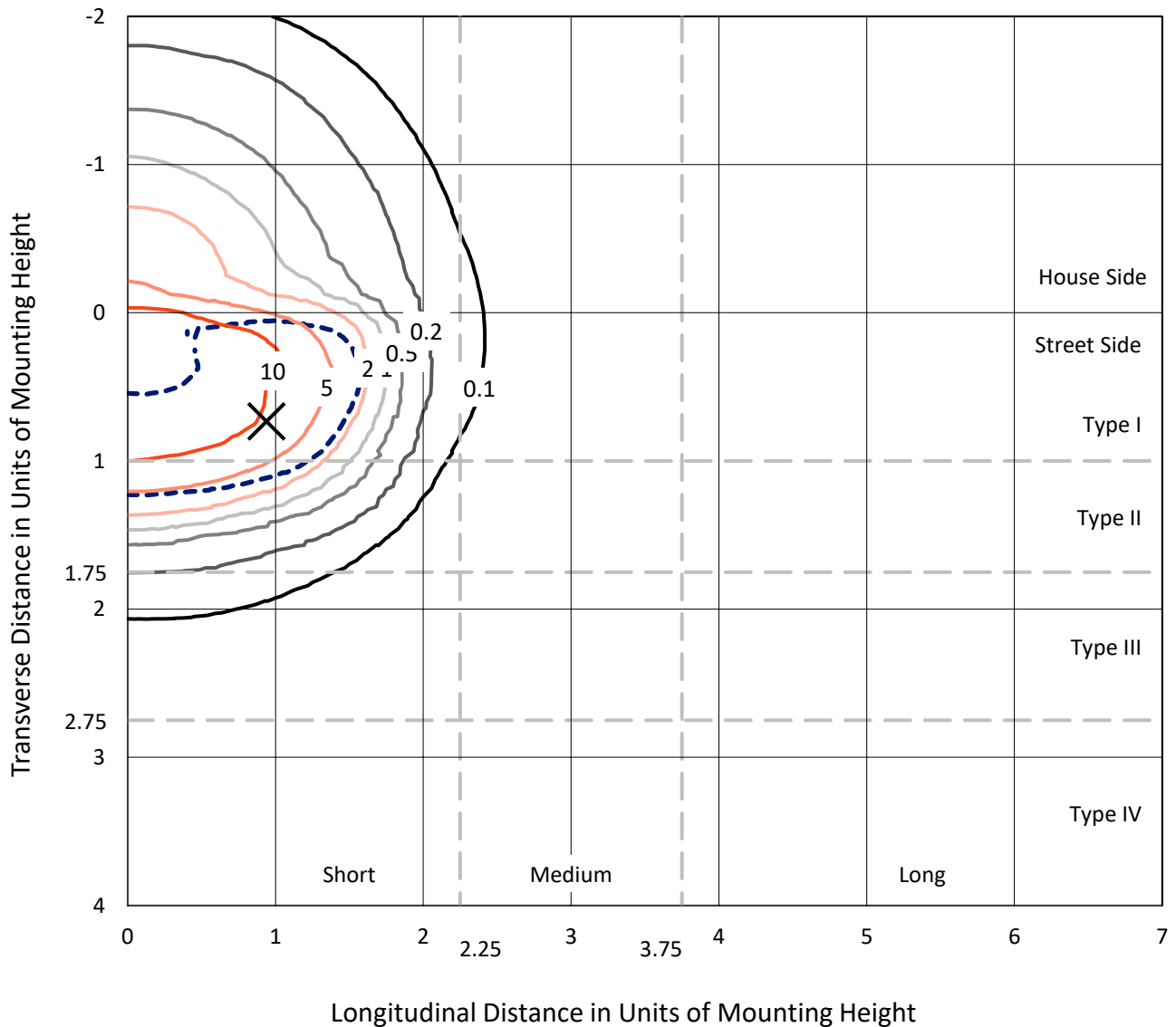
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

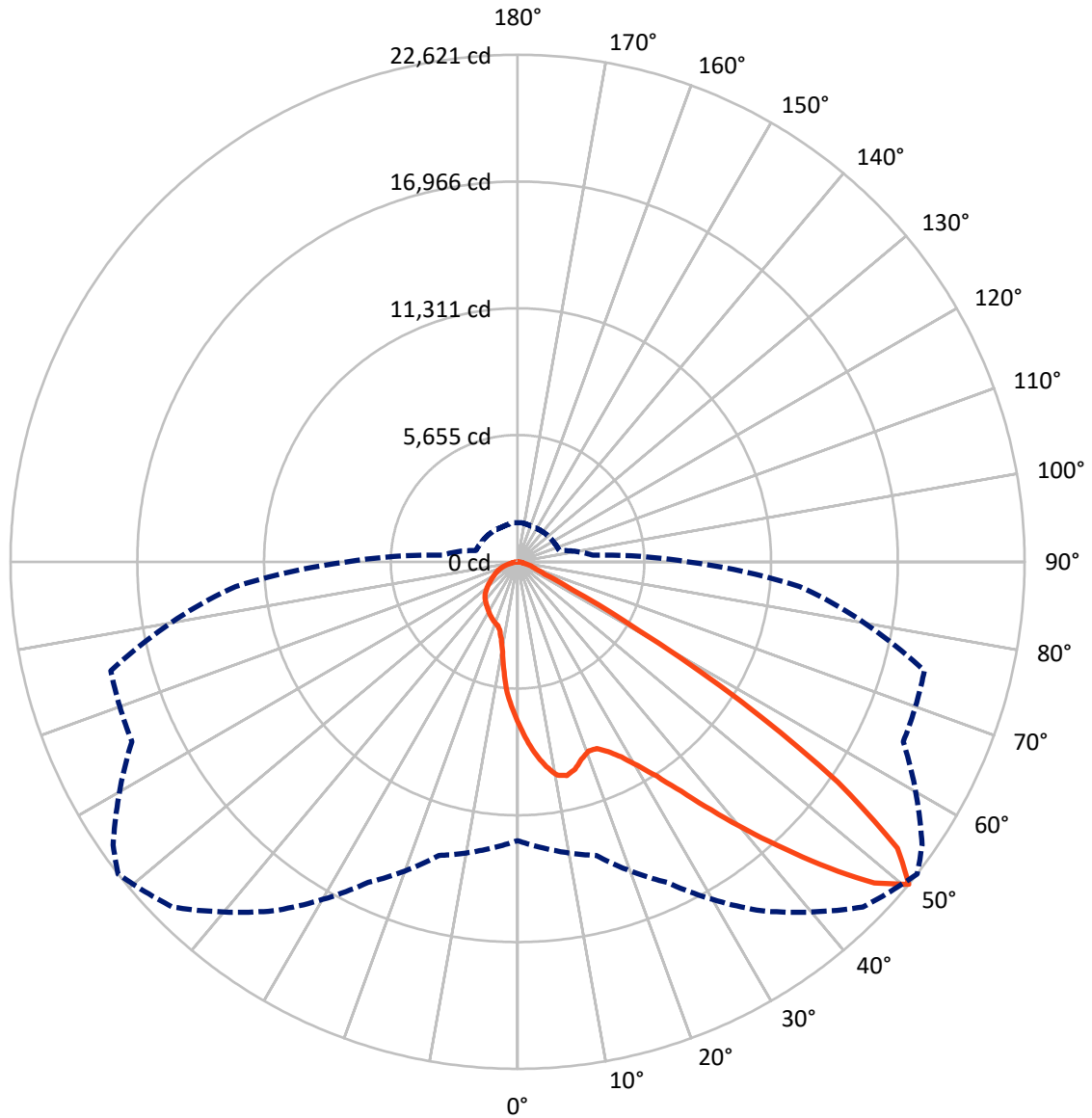
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4833.4 | 0.0 | 4833.4 |
| | % Fixture | 18.8 | 0.0 | 18.8 |
| Street Side | Lumens | 20879.6 | 0.0 | 20879.6 |
| | % Fixture | 81.2 | 0.0 | 81.2 |
| Total | Lumens | 25713.0 | 0.0 | 25713.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 668.1 | 2.6 |
| 10°-20° | 1790.5 | 7.0 |
| 20°-30° | 3016.1 | 11.7 |
| 30°-40° | 5061.3 | 19.7 |
| 40°-50° | 7742.5 | 30.1 |
| 50°-60° | 5644.9 | 22.0 |
| 60°-70° | 1256.3 | 4.9 |
| 70°-80° | 453.1 | 1.8 |
| 80°-90° | 80.2 | 0.3 |
| 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° | 25713.0 | 100.0 |
| 0°-180° | 25713.0 | 100.0 |



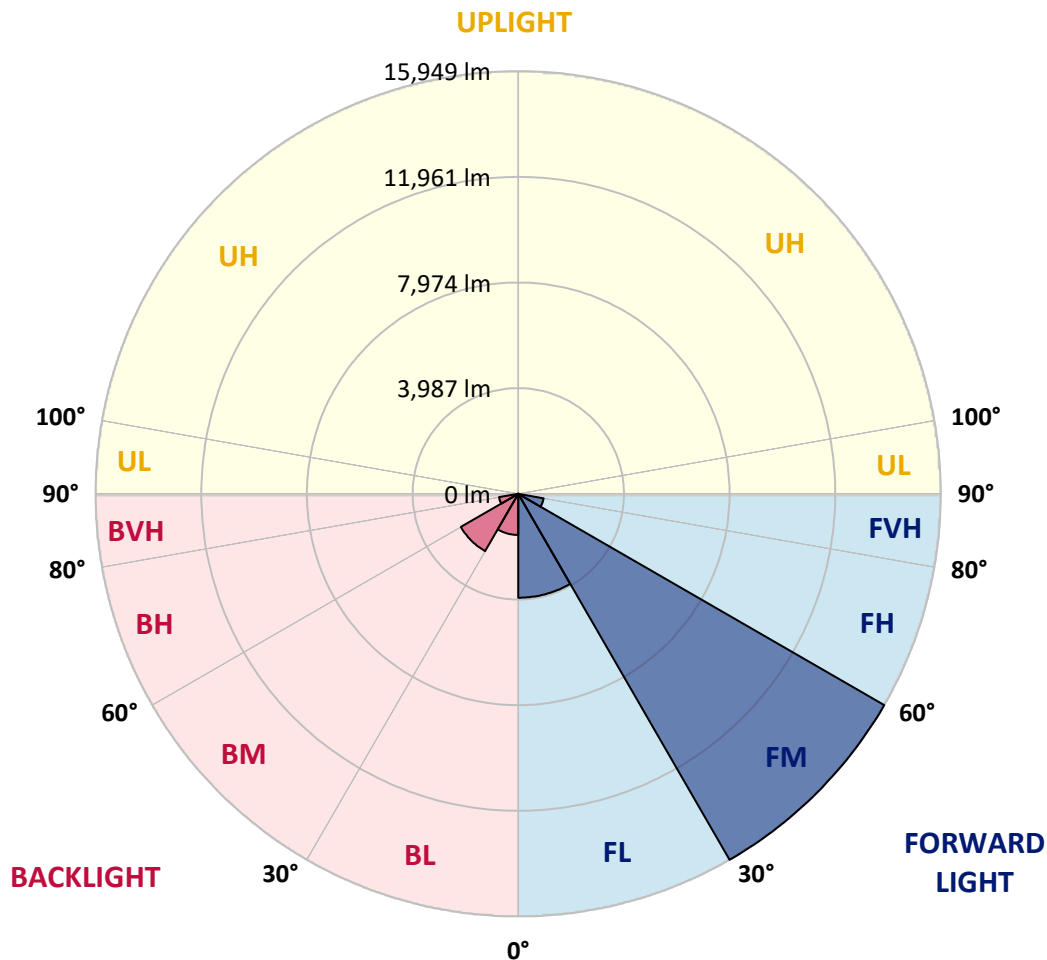
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3922.1 | 15.3 | | | |
| FM (30°-60°) | 15948.5 | 62.0 | | | |
| FH (60°-80°) | 973.0 | 3.8 | | | G1/1800 |
| FVH (80°-90°) | 35.9 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1552.6 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 2500.2 | 9.7 | B3/5000 | | |
| BH (60°-80°) | 736.4 | 2.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 44.3 | 0.2 | | | 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° | 52° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 |
| 2.5° | 8534.1 | 8369.8 | 8388.4 | 8270.7 | 8143.6 | 8106.4 | 7976.3 | 7852.3 | 7759.4 | 7561.0 | 7378.2 |
| 5° | 9327.4 | 9277.8 | 9203.4 | 9110.4 | 9014.4 | 8778.9 | 8645.6 | 8490.7 | 8149.8 | 7843.0 | 7539.4 |
| 7.5° | 9442.0 | 9432.7 | 9473.0 | 9473.0 | 9507.1 | 9417.2 | 9228.2 | 9119.7 | 8757.2 | 8258.3 | 7694.3 |
| 10° | 8636.3 | 8664.2 | 8859.4 | 9113.5 | 9466.8 | 9711.6 | 9680.6 | 9652.7 | 9256.1 | 8574.4 | 7877.1 |
| 12.5° | 7994.9 | 7932.9 | 8047.6 | 8264.5 | 8794.4 | 9386.2 | 9786.0 | 9789.1 | 9686.8 | 9079.5 | 8010.4 |
| 15° | 7632.3 | 7675.7 | 7706.7 | 7808.9 | 8208.7 | 8893.5 | 9597.0 | 9804.6 | 10253.9 | 9435.8 | 8221.1 |
| 17.5° | 7864.7 | 7719.1 | 7712.9 | 7737.7 | 7942.2 | 8456.6 | 9246.8 | 9603.1 | 10563.8 | 9894.4 | 8481.4 |
| 20° | 8168.4 | 8165.3 | 8078.5 | 8047.6 | 8044.5 | 8503.1 | 9017.5 | 9500.9 | 10728.0 | 10489.4 | 8744.8 |
| 22.5° | 8701.4 | 8701.4 | 8558.9 | 8490.7 | 8345.0 | 8720.0 | 9048.5 | 9376.9 | 11000.7 | 10898.4 | 8871.8 |
| 25° | 9593.9 | 9448.2 | 9203.4 | 9036.1 | 8952.4 | 9085.7 | 9376.9 | 9671.3 | 11239.3 | 11332.3 | 9135.2 |
| 27.5° | 10418.1 | 10188.8 | 10068.0 | 9779.8 | 9668.2 | 9590.8 | 9857.2 | 10154.7 | 11518.2 | 12007.8 | 9277.8 |
| 30° | 11354.0 | 11313.7 | 11096.8 | 10724.9 | 10449.1 | 10306.6 | 10551.4 | 10845.8 | 12029.5 | 12698.8 | 9606.2 |
| 32.5° | 13027.3 | 12661.7 | 12367.3 | 11911.7 | 11462.4 | 11158.7 | 11400.4 | 11595.7 | 12878.6 | 13420.9 | 9965.7 |
| 35° | 14833.9 | 14716.2 | 14207.9 | 13386.8 | 12698.8 | 12426.1 | 12568.7 | 12714.3 | 13867.1 | 14524.0 | 10570.0 |
| 37.5° | 16609.5 | 16448.4 | 16030.0 | 15339.0 | 14502.3 | 13947.7 | 14049.9 | 14220.3 | 14976.4 | 16011.4 | 11307.5 |
| 40° | 17886.2 | 17687.9 | 17477.2 | 17374.9 | 16544.4 | 15785.2 | 15726.4 | 15769.7 | 16476.3 | 17405.9 | 12125.6 |
| 42.5° | 17979.2 | 18224.0 | 18289.1 | 18701.2 | 18506.0 | 17883.1 | 17520.6 | 17529.9 | 17907.9 | 18784.9 | 12952.9 |
| 45° | 17784.0 | 17557.7 | 18038.1 | 19162.9 | 19807.5 | 20098.7 | 19488.3 | 19410.8 | 18794.2 | 19584.3 | 13365.1 |
| 47.5° | 15735.7 | 15797.6 | 16609.5 | 18388.2 | 20250.6 | 21552.1 | 21409.5 | 21152.3 | 19268.3 | 19556.5 | 13300.0 |
| 50° | 12438.5 | 12813.5 | 13566.5 | 15782.1 | 19011.1 | 21781.4 | 22621.2 | 22026.2 | 18986.3 | 18788.0 | 12636.9 |
| 52.5° | 8283.1 | 8438.0 | 8933.8 | 11794.0 | 15286.3 | 19469.7 | 21226.7 | 21363.1 | 18726.0 | 17780.9 | 11797.1 |
| 55° | 3687.6 | 3675.2 | 4372.4 | 6160.4 | 9590.8 | 14815.3 | 17343.9 | 18174.4 | 17725.1 | 16755.2 | 10979.0 |
| 57.5° | 1561.8 | 1614.5 | 1899.6 | 2661.9 | 4716.4 | 8940.0 | 11750.6 | 12478.8 | 13631.6 | 13758.6 | 8422.5 |
| 60° | 1056.7 | 1062.9 | 1140.4 | 1332.5 | 1973.9 | 4198.9 | 6163.5 | 7037.4 | 7861.6 | 7805.9 | 4468.5 |
| 62.5° | 830.5 | 852.2 | 911.0 | 988.5 | 1171.3 | 1905.8 | 2757.9 | 3244.4 | 3297.1 | 2773.4 | 1695.0 |
| 65° | 709.6 | 712.7 | 771.6 | 836.7 | 917.2 | 1109.4 | 1329.4 | 1354.2 | 1369.7 | 1320.1 | 1245.7 |
| 67.5° | 585.7 | 591.9 | 638.4 | 712.7 | 787.1 | 849.1 | 911.0 | 942.0 | 1013.3 | 1152.7 | 1134.2 |
| 70° | 464.8 | 474.1 | 514.4 | 576.4 | 644.5 | 681.7 | 759.2 | 787.1 | 852.2 | 960.6 | 1004.0 |
| 72.5° | 353.3 | 356.4 | 390.4 | 433.8 | 495.8 | 533.0 | 598.1 | 629.1 | 672.4 | 765.4 | 805.7 |
| 75° | 254.1 | 263.4 | 288.2 | 309.9 | 319.2 | 344.0 | 405.9 | 440.0 | 502.0 | 542.3 | 545.4 |
| 77.5° | 133.2 | 139.4 | 145.6 | 145.6 | 176.6 | 223.1 | 263.4 | 282.0 | 325.4 | 356.4 | 340.9 |
| 80° | 52.7 | 55.8 | 71.3 | 96.1 | 124.0 | 161.1 | 189.0 | 198.3 | 235.5 | 254.1 | 263.4 |
| 82.5° | 31.0 | 34.1 | 46.5 | 68.2 | 89.9 | 114.7 | 136.3 | 145.6 | 170.4 | 192.1 | 198.3 |
| 85° | 15.5 | 18.6 | 27.9 | 43.4 | 58.9 | 71.3 | 68.2 | 65.1 | 65.1 | 62.0 | 65.1 |
| 87.5° | 6.2 | 6.2 | 9.3 | 9.3 | 9.3 | 12.4 | 15.5 | 15.5 | 15.5 | 18.6 | 18.6 |
| 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-SA5B-760-U-AFL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 | 7248.1 |
| 2.5° | 7257.4 | 7133.4 | 7018.8 | 6808.0 | 6578.7 | 6513.7 | 6247.2 | 6151.1 | 6082.9 | 6002.4 | 5977.6 |
| 5° | 7294.6 | 7130.3 | 6761.6 | 6337.0 | 5999.3 | 5565.4 | 5280.3 | 4973.6 | 4750.4 | 4694.7 | 4679.2 |
| 7.5° | 7372.0 | 7090.0 | 6454.8 | 5813.3 | 5122.3 | 4533.5 | 4084.2 | 3842.5 | 3628.7 | 3616.3 | 3594.6 |
| 10° | 7458.8 | 6969.2 | 6120.1 | 5113.0 | 4229.8 | 3684.5 | 3414.9 | 3309.5 | 3256.8 | 3244.4 | 3238.2 |
| 12.5° | 7530.1 | 6944.4 | 5745.2 | 4431.3 | 3597.7 | 3269.2 | 3188.7 | 3179.4 | 3201.0 | 3207.2 | 3219.6 |
| 15° | 7561.0 | 6845.2 | 5292.7 | 3820.8 | 3204.1 | 3083.3 | 3117.4 | 3154.6 | 3170.1 | 3210.3 | 3179.4 |
| 17.5° | 7619.9 | 6718.2 | 4735.0 | 3337.4 | 2984.1 | 3005.8 | 3064.7 | 3108.1 | 3132.9 | 3160.8 | 3120.5 |
| 20° | 7650.9 | 6603.5 | 4211.3 | 3049.2 | 2906.7 | 2946.9 | 3027.5 | 3061.6 | 3092.6 | 3105.0 | 3058.5 |
| 22.5° | 7623.0 | 6368.0 | 3749.5 | 2816.8 | 2832.3 | 2885.0 | 2956.2 | 2993.4 | 2974.8 | 2925.3 | 2897.4 |
| 25° | 7548.7 | 6036.4 | 3269.2 | 2668.1 | 2726.9 | 2819.9 | 2875.7 | 2847.8 | 2813.7 | 2785.8 | 2776.5 |
| 27.5° | 7545.6 | 5630.5 | 2922.2 | 2531.7 | 2637.1 | 2764.1 | 2745.5 | 2720.7 | 2736.2 | 2714.5 | 2689.7 |
| 30° | 7561.0 | 5237.0 | 2637.1 | 2454.2 | 2572.0 | 2634.0 | 2655.7 | 2630.9 | 2649.5 | 2609.2 | 2621.6 |
| 32.5° | 7480.5 | 4852.7 | 2451.1 | 2364.4 | 2494.5 | 2491.4 | 2562.7 | 2581.3 | 2537.9 | 2454.2 | 2466.6 |
| 35° | 7514.6 | 4542.8 | 2293.1 | 2324.1 | 2407.8 | 2407.8 | 2463.5 | 2441.8 | 2327.2 | 2277.6 | 2290.0 |
| 37.5° | 7750.1 | 4239.1 | 2215.6 | 2268.3 | 2324.1 | 2348.9 | 2330.3 | 2237.3 | 2209.4 | 2209.4 | 2215.6 |
| 40° | 7973.2 | 3978.8 | 2169.2 | 2255.9 | 2246.6 | 2262.1 | 2125.8 | 2135.1 | 2135.1 | 2138.2 | 2122.7 |
| 42.5° | 8171.5 | 3802.2 | 2132.0 | 2181.5 | 2197.0 | 2116.5 | 2032.8 | 2023.5 | 2045.2 | 2042.1 | 2029.7 |
| 45° | 8242.8 | 3656.6 | 2079.3 | 2097.9 | 2110.3 | 1977.0 | 1936.7 | 1918.2 | 1942.9 | 1952.2 | 1964.6 |
| 47.5° | 7970.1 | 3535.7 | 2020.4 | 1983.2 | 1958.4 | 1871.7 | 1819.0 | 1784.9 | 1815.9 | 1868.6 | 1881.0 |
| 50° | 7619.9 | 3377.7 | 1927.4 | 1856.2 | 1803.5 | 1766.3 | 1729.1 | 1695.0 | 1716.7 | 1753.9 | 1744.6 |
| 52.5° | 7102.4 | 3129.8 | 1809.7 | 1735.3 | 1645.5 | 1654.8 | 1620.7 | 1602.1 | 1614.5 | 1614.5 | 1605.2 |
| 55° | 6364.9 | 2572.0 | 1611.4 | 1558.7 | 1484.3 | 1509.1 | 1515.3 | 1490.5 | 1465.7 | 1487.4 | 1468.8 |
| 57.5° | 4344.5 | 1815.9 | 1437.8 | 1437.8 | 1363.5 | 1397.6 | 1394.5 | 1335.6 | 1276.7 | 1282.9 | 1270.5 |
| 60° | 2513.1 | 1447.1 | 1326.3 | 1313.9 | 1236.4 | 1264.3 | 1270.5 | 1230.2 | 1140.4 | 1146.6 | 1134.2 |
| 62.5° | 1428.5 | 1236.4 | 1158.9 | 1140.4 | 1124.9 | 1149.7 | 1149.7 | 1097.0 | 1019.5 | 1025.7 | 1013.3 |
| 65° | 1214.7 | 1146.6 | 1035.0 | 1031.9 | 1025.7 | 1031.9 | 1007.1 | 951.3 | 883.2 | 855.3 | 858.4 |
| 67.5° | 1103.2 | 1059.8 | 951.3 | 923.4 | 904.8 | 901.7 | 855.3 | 802.6 | 771.6 | 746.8 | 743.7 |
| 70° | 966.8 | 932.7 | 852.2 | 815.0 | 796.4 | 753.0 | 706.5 | 672.4 | 629.1 | 616.7 | 629.1 |
| 72.5° | 765.4 | 762.3 | 731.3 | 691.0 | 650.7 | 616.7 | 576.4 | 529.9 | 489.6 | 480.3 | 458.6 |
| 75° | 529.9 | 536.1 | 542.3 | 536.1 | 502.0 | 458.6 | 412.1 | 375.0 | 325.4 | 297.5 | 291.3 |
| 77.5° | 347.1 | 356.4 | 365.7 | 353.3 | 331.6 | 291.3 | 260.3 | 213.8 | 176.6 | 154.9 | 151.8 |
| 80° | 254.1 | 266.5 | 272.7 | 263.4 | 238.6 | 207.6 | 173.5 | 136.3 | 108.5 | 89.9 | 89.9 |
| 82.5° | 195.2 | 207.6 | 213.8 | 198.3 | 173.5 | 148.7 | 124.0 | 96.1 | 74.4 | 58.9 | 55.8 |
| 85° | 68.2 | 65.1 | 77.5 | 80.6 | 96.1 | 89.9 | 74.4 | 55.8 | 43.4 | 31.0 | 27.9 |
| 87.5° | 18.6 | 18.6 | 21.7 | 21.7 | 18.6 | 15.5 | 15.5 | 15.5 | 12.4 | 9.3 | 9.3 |
| 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)