

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: P528058

Luminaire Tested: **GLAN-SA3A-760-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-760-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11451 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

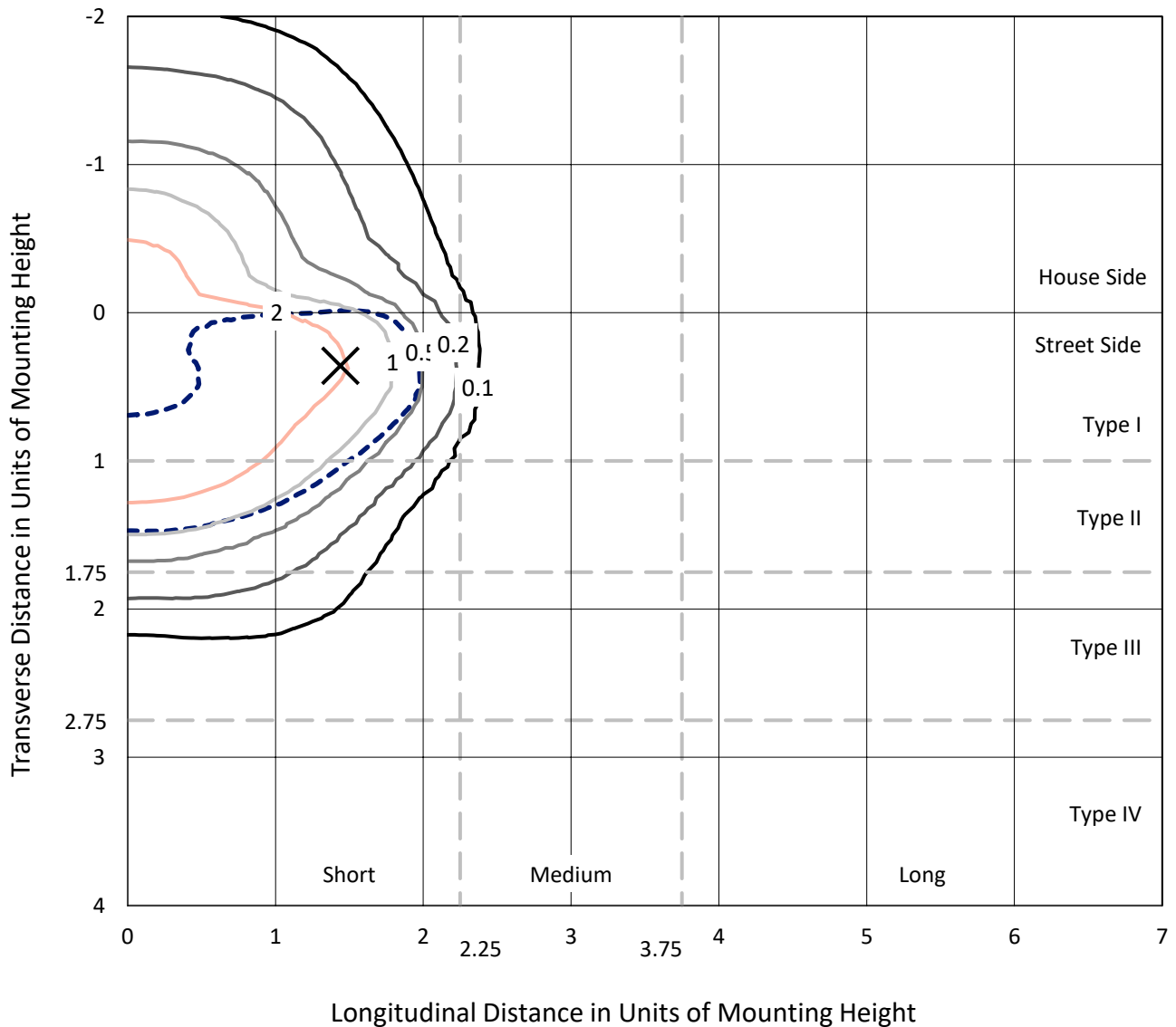
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

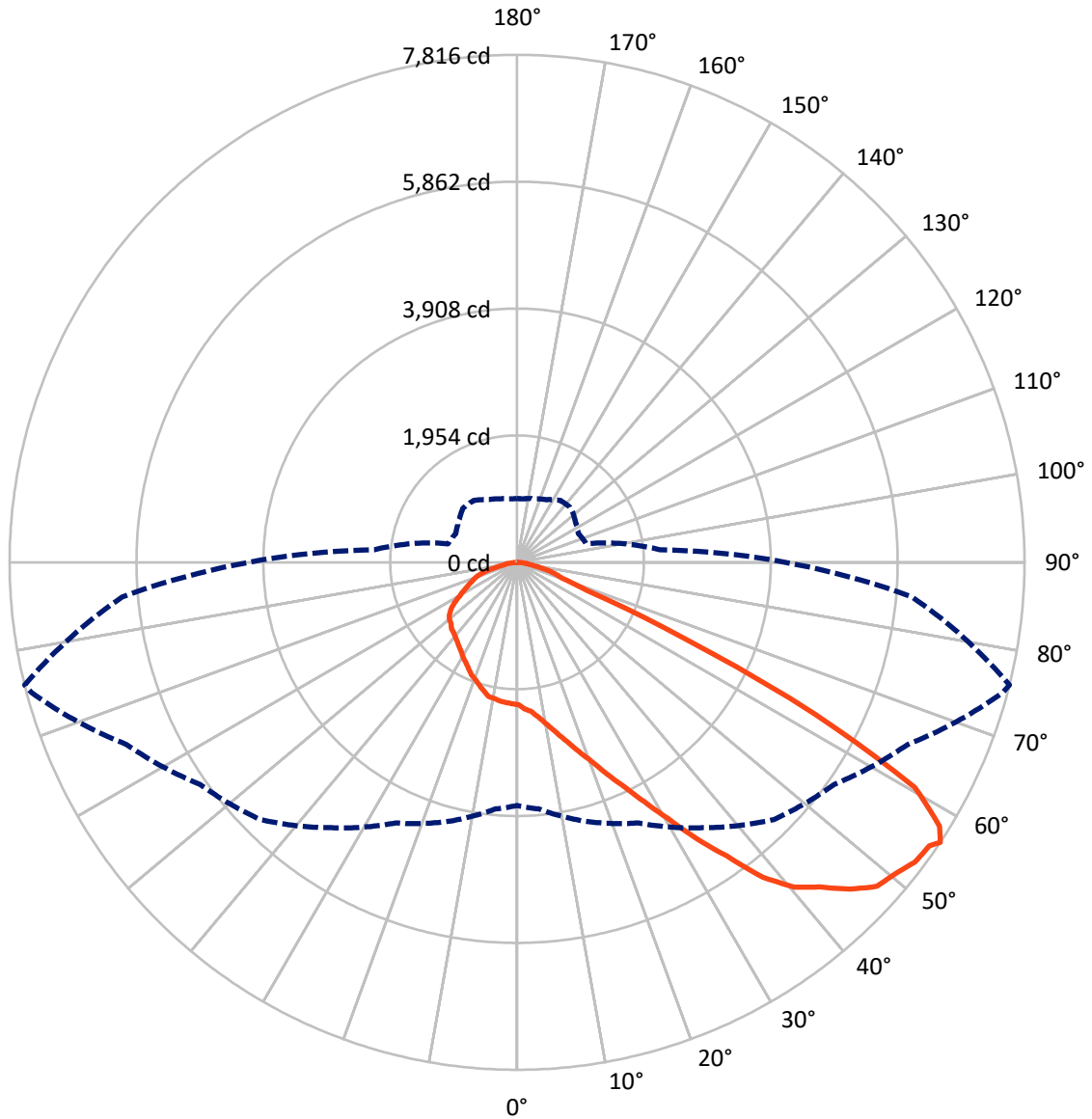
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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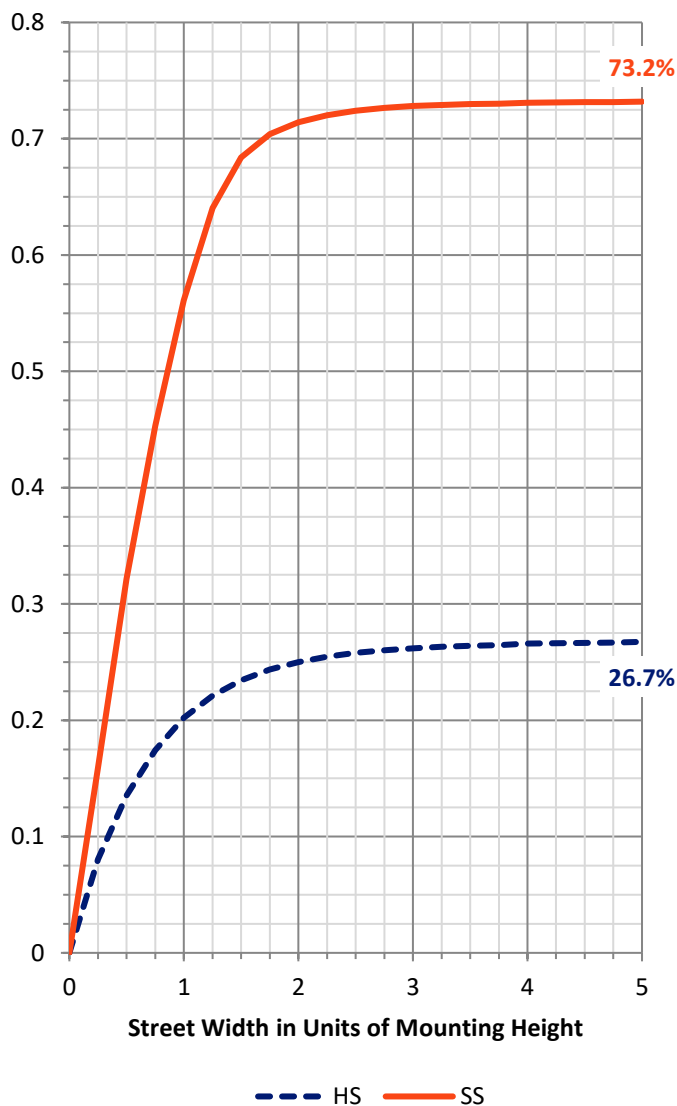
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3078.8 | 0.0 | 3078.8 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| Street Side | Lumens | 8372.2 | 0.0 | 8372.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| Total | Lumens | 11451.0 | 0.0 | 11451.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 217.3 | 1.9 |
| 10°-20° | 682.5 | 6.0 |
| 20°-30° | 1193.7 | 10.4 |
| 30°-40° | 1869.0 | 16.3 |
| 40°-50° | 2718.8 | 23.7 |
| 50°-60° | 2988.2 | 26.1 |
| 60°-70° | 1333.8 | 11.6 |
| 70°-80° | 385.3 | 3.4 |
| 80°-90° | 62.5 | 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° | 11451.0 | 100.0 |
| 0°-180° | 11451.0 | 100.0 |

Coefficient of Utilization

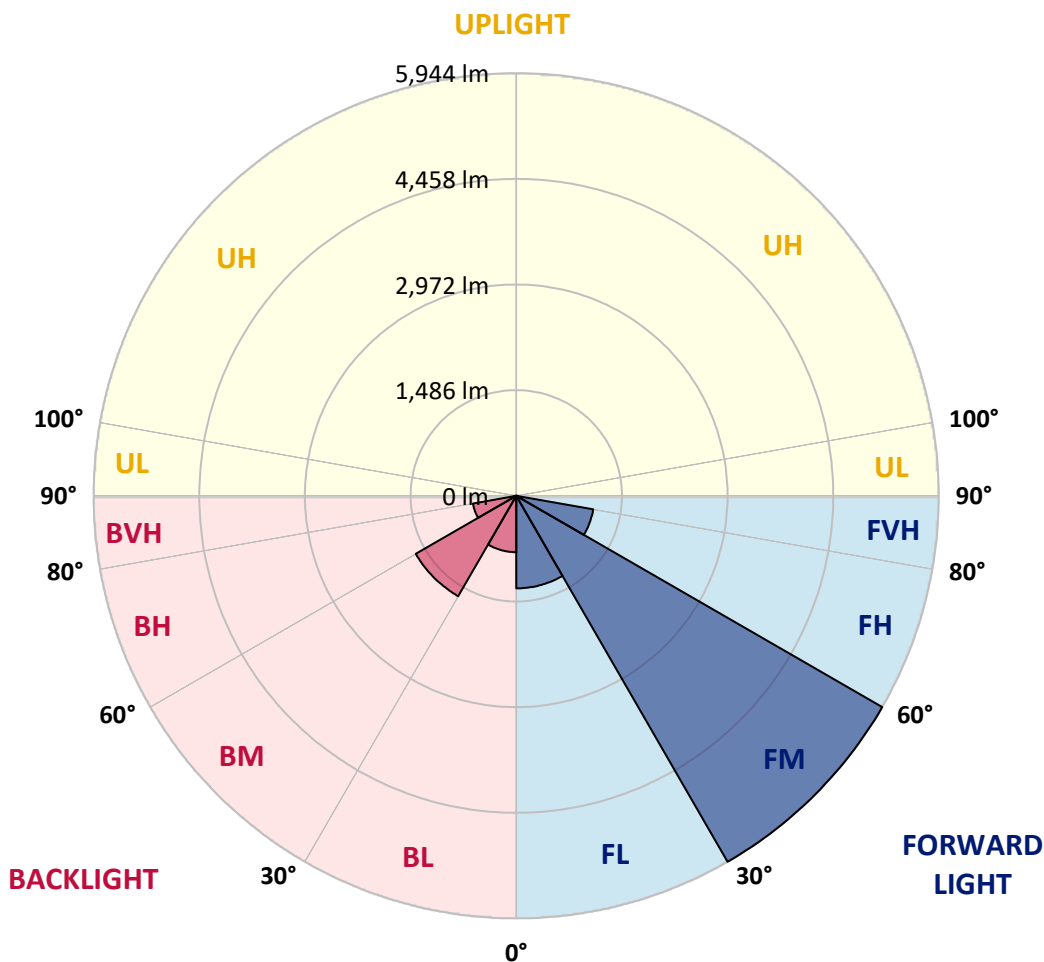


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1301.3 | 11.4 | | | |
| FM (30°-60°) | 5944.4 | 51.9 | | | |
| FH (60°-80°) | 1099.6 | 9.6 | | | G1/1800 |
| FVH (80°-90°) | 26.9 | 0.2 | | | G1/100 |
| BL (0°-30°) | 792.2 | 6.9 | B2/1000 | | |
| BM (30°-60°) | 1631.5 | 14.2 | B2/2500 | | |
| BH (60°-80°) | 619.5 | 5.4 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 35.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 |
| 2.5° | 2413.7 | 2375.1 | 2372.1 | 2361.7 | 2367.6 | 2340.9 | 2312.7 | 2275.6 | 2237.0 | 2260.8 | 2204.4 |
| 5° | 2582.9 | 2530.9 | 2551.7 | 2516.1 | 2520.5 | 2484.9 | 2427.0 | 2384.0 | 2336.5 | 2308.3 | 2268.2 |
| 7.5° | 2642.3 | 2646.7 | 2661.6 | 2655.6 | 2625.9 | 2625.9 | 2587.3 | 2511.6 | 2428.5 | 2412.2 | 2345.4 |
| 10° | 2722.4 | 2723.9 | 2707.6 | 2712.0 | 2753.6 | 2734.3 | 2700.2 | 2667.5 | 2560.6 | 2541.3 | 2422.6 |
| 12.5° | 2750.6 | 2723.9 | 2750.6 | 2774.4 | 2823.4 | 2850.1 | 2842.7 | 2818.9 | 2704.6 | 2691.3 | 2517.6 |
| 15° | 2755.1 | 2738.8 | 2761.0 | 2814.5 | 2857.5 | 2970.3 | 3026.7 | 3010.4 | 2859.0 | 2860.5 | 2624.5 |
| 17.5° | 2734.3 | 2756.6 | 2765.5 | 2811.5 | 2910.9 | 3016.3 | 3179.6 | 3201.9 | 3077.2 | 3057.9 | 2759.5 |
| 20° | 2762.5 | 2746.2 | 2758.0 | 2799.6 | 2931.7 | 3096.5 | 3310.3 | 3457.2 | 3282.0 | 3268.7 | 2899.1 |
| 22.5° | 2870.9 | 2848.6 | 2845.6 | 2872.3 | 2967.4 | 3138.1 | 3448.3 | 3712.5 | 3531.4 | 3538.9 | 3072.7 |
| 25° | 2955.5 | 2967.4 | 2957.0 | 2955.5 | 3014.9 | 3200.4 | 3630.9 | 4016.8 | 3869.9 | 3826.8 | 3277.6 |
| 27.5° | 3101.0 | 3129.2 | 3108.4 | 3136.6 | 3123.2 | 3293.9 | 3761.5 | 4353.8 | 4235.0 | 4177.2 | 3463.1 |
| 30° | 3302.8 | 3317.7 | 3298.4 | 3298.4 | 3258.3 | 3424.6 | 3880.3 | 4705.6 | 4656.6 | 4577.9 | 3681.4 |
| 32.5° | 3568.5 | 3590.8 | 3552.2 | 3529.9 | 3524.0 | 3619.0 | 4094.0 | 5053.0 | 5136.1 | 5069.3 | 3970.8 |
| 35° | 3920.3 | 3907.0 | 3861.0 | 3840.2 | 3760.0 | 3917.4 | 4411.7 | 5452.3 | 5670.5 | 5551.7 | 4321.1 |
| 37.5° | 4230.6 | 4209.8 | 4206.8 | 4091.1 | 4110.4 | 4239.5 | 4681.9 | 5755.1 | 6188.5 | 6154.4 | 4690.8 |
| 40° | 4520.1 | 4539.4 | 4570.5 | 4505.2 | 4475.5 | 4618.0 | 4996.6 | 5986.7 | 6590.8 | 6577.5 | 4975.8 |
| 42.5° | 4830.3 | 4812.5 | 4867.4 | 4812.5 | 4768.0 | 4969.8 | 5338.0 | 6147.0 | 6944.1 | 6834.3 | 5274.1 |
| 45° | 5280.1 | 5223.7 | 5243.0 | 5247.4 | 5214.8 | 5289.0 | 5479.0 | 6262.8 | 7192.0 | 7180.1 | 5492.3 |
| 47.5° | 5655.6 | 5657.1 | 5624.5 | 5599.2 | 5499.8 | 5574.0 | 5636.3 | 6335.5 | 7477.0 | 7457.7 | 5577.0 |
| 50° | 5795.2 | 5775.9 | 5870.9 | 5925.8 | 5931.7 | 5780.3 | 5759.5 | 6375.6 | 7626.9 | 7542.3 | 5661.6 |
| 52.5° | 5293.4 | 5311.2 | 5461.2 | 5787.7 | 5976.3 | 5992.6 | 5903.5 | 6458.7 | 7687.8 | 7670.0 | 5729.9 |
| 55° | 4260.3 | 4346.4 | 4592.8 | 4969.8 | 5416.6 | 5908.0 | 6059.4 | 6544.8 | 7720.5 | 7705.6 | 6032.7 |
| 56° | 3745.2 | 3812.0 | 4132.6 | 4428.0 | 4989.1 | 5600.7 | 5961.4 | 6636.8 | 7745.7 | 7815.5 | 6103.9 |
| 57.5° | 3014.9 | 3092.0 | 3322.1 | 3657.6 | 4319.7 | 5015.9 | 5691.3 | 6524.0 | 7647.7 | 7674.4 | 6155.9 |
| 60° | 1885.2 | 1892.6 | 2168.7 | 2389.9 | 2856.0 | 3535.9 | 4343.4 | 5676.4 | 7077.7 | 7039.1 | 5529.5 |
| 62.5° | 1236.5 | 1238.0 | 1488.9 | 1670.0 | 1882.2 | 2038.1 | 2556.2 | 3764.5 | 5222.2 | 5153.9 | 3936.7 |
| 65° | 868.4 | 887.7 | 1082.1 | 1324.1 | 1410.2 | 1328.6 | 1312.2 | 1984.7 | 2916.9 | 2818.9 | 2115.3 |
| 67.5° | 635.3 | 636.8 | 809.0 | 1068.8 | 1193.5 | 1010.9 | 820.9 | 969.3 | 1154.9 | 1151.9 | 979.7 |
| 70° | 420.1 | 437.9 | 570.0 | 798.6 | 941.1 | 812.0 | 671.0 | 693.2 | 734.8 | 734.8 | 728.8 |
| 72.5° | 244.9 | 261.3 | 348.8 | 506.2 | 528.5 | 507.7 | 531.4 | 593.8 | 620.5 | 619.0 | 611.6 |
| 75° | 139.5 | 147.0 | 166.3 | 210.8 | 262.7 | 310.2 | 390.4 | 449.8 | 476.5 | 492.8 | 473.5 |
| 77.5° | 81.6 | 86.1 | 98.0 | 120.2 | 136.6 | 167.7 | 212.3 | 253.8 | 289.5 | 285.0 | 288.0 |
| 80° | 43.0 | 43.0 | 54.9 | 71.3 | 95.0 | 118.8 | 141.0 | 164.8 | 184.1 | 188.5 | 193.0 |
| 82.5° | 25.2 | 26.7 | 35.6 | 52.0 | 68.3 | 84.6 | 108.4 | 124.7 | 142.5 | 144.0 | 147.0 |
| 85° | 13.4 | 14.8 | 22.3 | 34.1 | 46.0 | 52.0 | 53.4 | 50.5 | 54.9 | 52.0 | 59.4 |
| 87.5° | 4.5 | 4.5 | 7.4 | 5.9 | 5.9 | 7.4 | 8.9 | 8.9 | 11.9 | 11.9 | 11.9 |
| 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-SA3A-760-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 | 2191.0 |
| 2.5° | 2202.9 | 2202.9 | 2177.6 | 2130.1 | 2122.7 | 2103.4 | 2085.6 | 2084.1 | 2070.8 | 2058.9 | 2053.0 |
| 5° | 2244.4 | 2198.4 | 2161.3 | 2118.3 | 2067.8 | 2044.0 | 2017.3 | 1987.6 | 1975.8 | 1987.6 | 1986.2 |
| 7.5° | 2291.9 | 2253.3 | 2142.0 | 2061.9 | 2004.0 | 1980.2 | 1950.5 | 1919.4 | 1922.3 | 1922.3 | 1901.5 |
| 10° | 2338.0 | 2286.0 | 2107.9 | 2005.4 | 1920.8 | 1903.0 | 1886.7 | 1898.6 | 1913.4 | 1916.4 | 1903.0 |
| 12.5° | 2415.1 | 2297.9 | 2091.5 | 1949.0 | 1895.6 | 1857.0 | 1867.4 | 1900.1 | 1931.2 | 1922.3 | 1932.7 |
| 15° | 2473.0 | 2308.3 | 2017.3 | 1891.1 | 1824.4 | 1842.2 | 1879.3 | 1901.5 | 1953.5 | 1947.6 | 1957.9 |
| 17.5° | 2529.4 | 2314.2 | 1944.6 | 1814.0 | 1785.8 | 1834.7 | 1862.9 | 1926.8 | 1943.1 | 1978.7 | 1992.1 |
| 20° | 2645.2 | 2326.1 | 1870.4 | 1766.5 | 1757.6 | 1814.0 | 1862.9 | 1892.6 | 1928.3 | 1959.4 | 1959.4 |
| 22.5° | 2704.6 | 2320.1 | 1821.4 | 1704.1 | 1732.3 | 1767.9 | 1812.5 | 1862.9 | 1862.9 | 1892.6 | 1894.1 |
| 25° | 2778.8 | 2296.4 | 1744.2 | 1674.4 | 1695.2 | 1729.3 | 1779.8 | 1762.0 | 1781.3 | 1781.3 | 1805.1 |
| 27.5° | 2863.4 | 2245.9 | 1677.4 | 1621.0 | 1662.5 | 1699.7 | 1707.1 | 1695.2 | 1672.9 | 1670.0 | 1661.1 |
| 30° | 2931.7 | 2183.6 | 1628.4 | 1603.2 | 1637.3 | 1658.1 | 1634.3 | 1609.1 | 1570.5 | 1567.5 | 1546.8 |
| 32.5° | 3025.2 | 2106.4 | 1567.5 | 1558.6 | 1597.2 | 1598.7 | 1591.3 | 1552.7 | 1496.3 | 1472.5 | 1448.8 |
| 35° | 3182.6 | 2061.9 | 1521.5 | 1534.9 | 1546.8 | 1542.3 | 1529.0 | 1487.4 | 1431.0 | 1420.6 | 1411.7 |
| 37.5° | 3298.4 | 2029.2 | 1474.0 | 1490.4 | 1500.7 | 1506.7 | 1466.6 | 1420.6 | 1422.1 | 1401.3 | 1395.4 |
| 40° | 3429.0 | 2008.4 | 1435.4 | 1442.9 | 1444.3 | 1463.6 | 1414.7 | 1392.4 | 1402.8 | 1389.4 | 1398.3 |
| 42.5° | 3596.7 | 2014.4 | 1395.4 | 1389.4 | 1417.6 | 1410.2 | 1386.4 | 1356.8 | 1362.7 | 1322.6 | 1328.6 |
| 45° | 3685.8 | 2054.4 | 1371.6 | 1344.9 | 1376.1 | 1374.6 | 1343.4 | 1315.2 | 1279.6 | 1202.4 | 1205.3 |
| 47.5° | 3745.2 | 2064.8 | 1315.2 | 1297.4 | 1330.0 | 1349.3 | 1313.7 | 1248.4 | 1197.9 | 1143.0 | 1129.6 |
| 50° | 3806.0 | 2084.1 | 1288.5 | 1251.4 | 1264.7 | 1310.7 | 1266.2 | 1203.9 | 1154.9 | 1105.9 | 1113.3 |
| 52.5° | 3859.5 | 2121.2 | 1236.5 | 1181.6 | 1205.3 | 1255.8 | 1232.1 | 1156.4 | 1102.9 | 1062.8 | 1051.0 |
| 55° | 4097.0 | 2204.4 | 1148.9 | 1077.7 | 1134.1 | 1197.9 | 1184.6 | 1092.5 | 1034.6 | 1013.9 | 1010.9 |
| 56° | 4134.1 | 2207.3 | 1102.9 | 1042.1 | 1094.0 | 1178.6 | 1162.3 | 1064.3 | 1012.4 | 979.7 | 981.2 |
| 57.5° | 4140.0 | 2171.7 | 1037.6 | 1009.4 | 1053.9 | 1150.4 | 1129.6 | 1042.1 | 970.8 | 941.1 | 932.2 |
| 60° | 3642.8 | 1695.2 | 956.0 | 938.2 | 990.1 | 1064.3 | 1056.9 | 981.2 | 901.0 | 866.9 | 883.2 |
| 62.5° | 2483.4 | 1242.5 | 892.1 | 889.2 | 915.9 | 988.6 | 969.3 | 901.0 | 834.2 | 812.0 | 801.6 |
| 65° | 1445.8 | 942.6 | 829.8 | 817.9 | 840.2 | 878.8 | 892.1 | 820.9 | 751.1 | 736.3 | 731.8 |
| 67.5° | 853.5 | 779.3 | 749.6 | 730.3 | 722.9 | 746.7 | 757.1 | 715.5 | 645.7 | 624.9 | 642.8 |
| 70° | 714.0 | 693.2 | 694.7 | 662.1 | 644.2 | 627.9 | 619.0 | 581.9 | 524.0 | 497.3 | 489.9 |
| 72.5° | 616.0 | 607.1 | 601.2 | 571.5 | 555.2 | 518.1 | 479.5 | 442.4 | 399.3 | 377.0 | 378.5 |
| 75° | 470.6 | 467.6 | 470.6 | 455.7 | 427.5 | 397.8 | 362.2 | 314.7 | 282.0 | 253.8 | 259.8 |
| 77.5° | 280.6 | 289.5 | 293.9 | 288.0 | 276.1 | 249.4 | 227.1 | 195.9 | 164.8 | 142.5 | 139.5 |
| 80° | 193.0 | 200.4 | 207.8 | 200.4 | 188.5 | 169.2 | 145.5 | 121.7 | 99.5 | 87.6 | 84.6 |
| 82.5° | 147.0 | 154.4 | 158.8 | 151.4 | 136.6 | 115.8 | 99.5 | 83.1 | 65.3 | 53.4 | 50.5 |
| 85° | 53.4 | 60.9 | 59.4 | 71.3 | 77.2 | 74.2 | 63.8 | 49.0 | 37.1 | 26.7 | 25.2 |
| 87.5° | 14.8 | 13.4 | 14.8 | 14.8 | 14.8 | 13.4 | 11.9 | 11.9 | 11.9 | 7.4 | 5.9 |
| 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)