

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: P527797

Luminaire Tested: **GLAN-SA2D-750-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-750-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9177 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

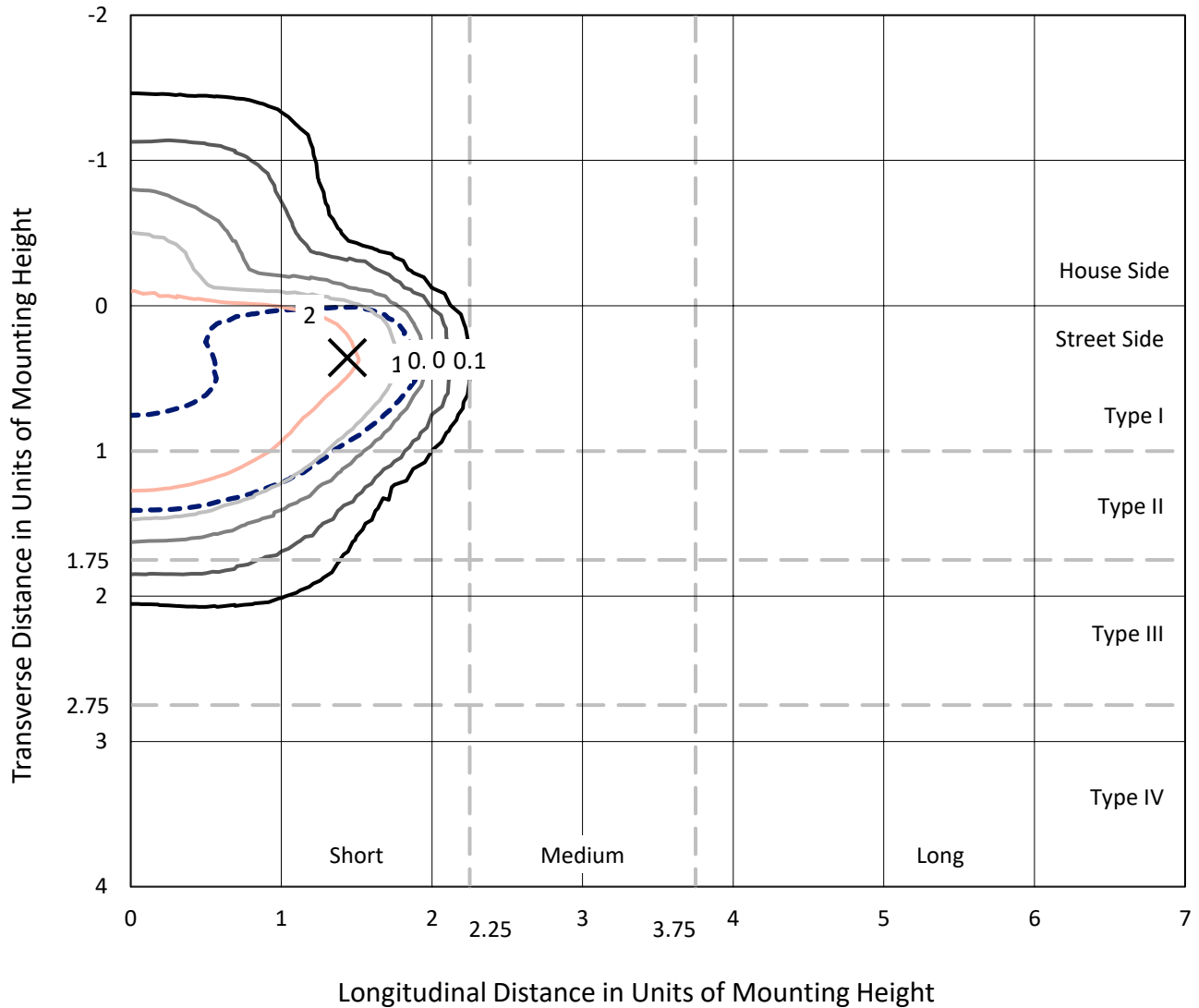
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

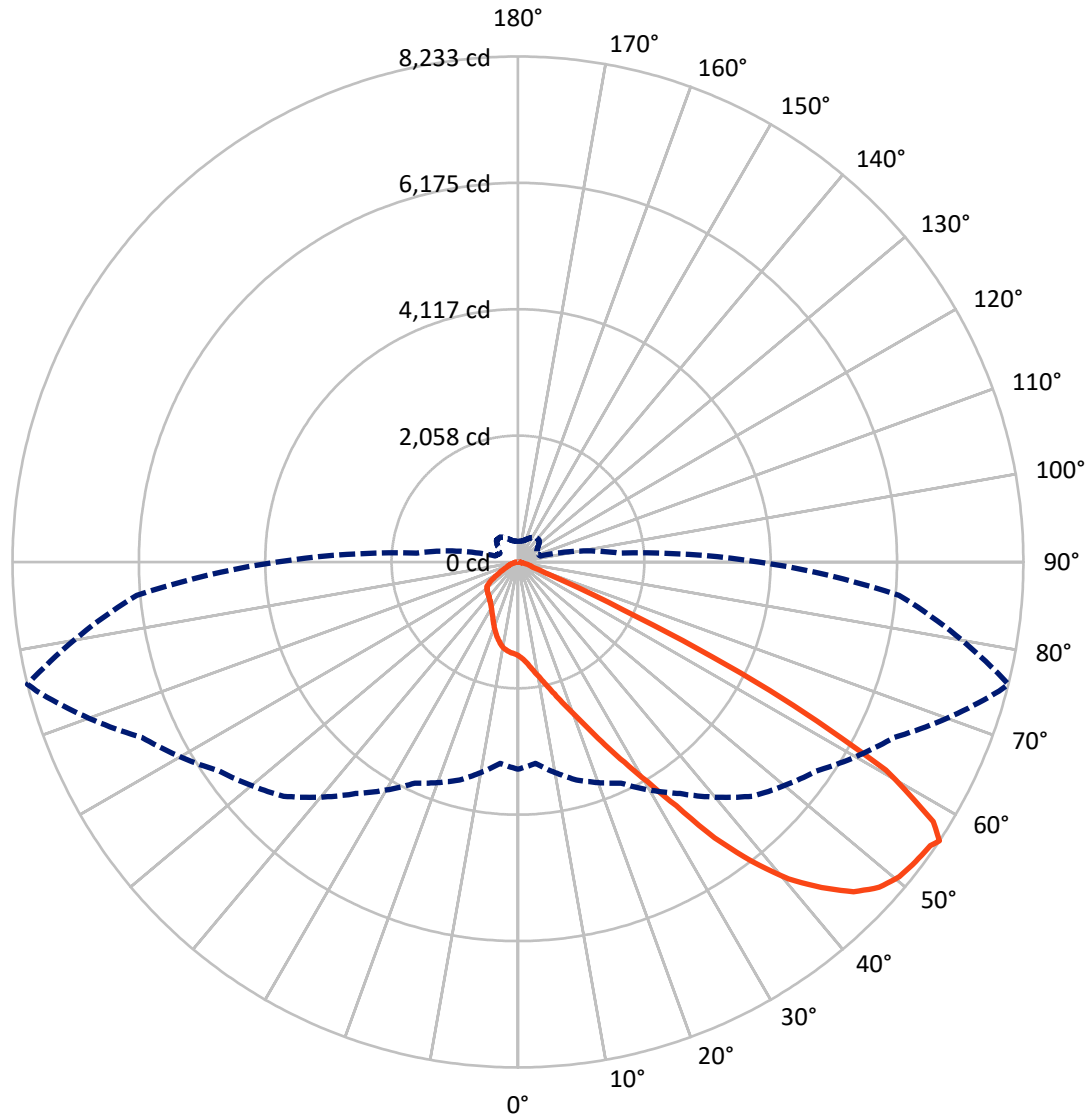
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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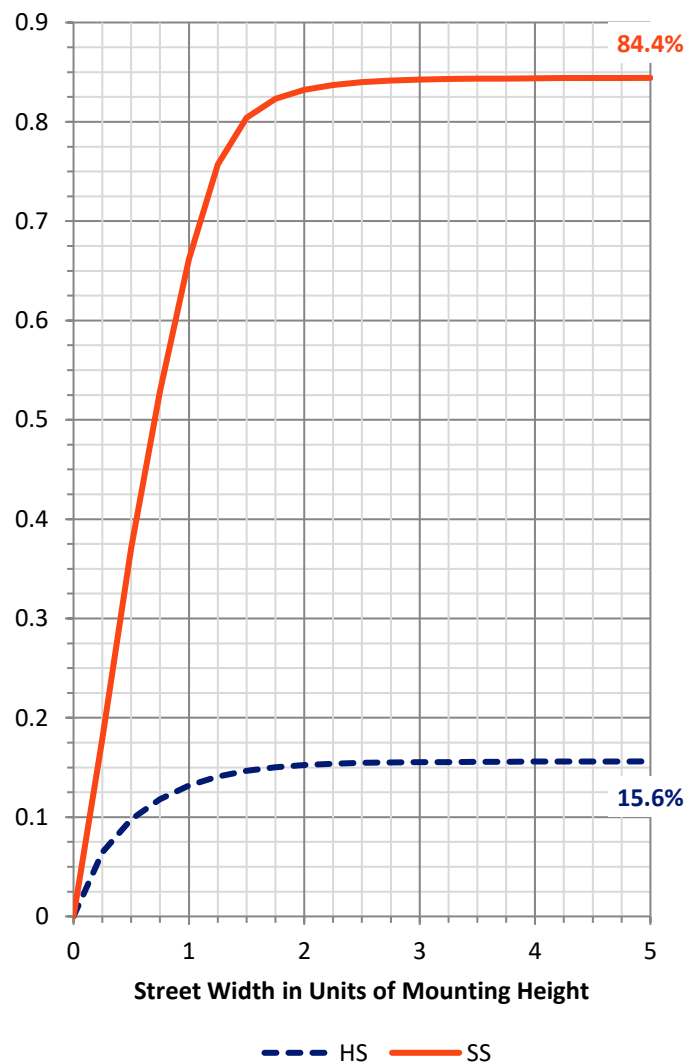
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1441.7 | 0.0 | 1441.7 |
| | % Fixture | 15.7 | 0.0 | 15.7 |
| Street Side | Lumens | 7735.3 | 0.0 | 7735.3 |
| | % Fixture | 84.3 | 0.0 | 84.3 |
| Total | Lumens | 9177.0 | 0.0 | 9177.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 153.9 | 1.7 |
| 10°-20° | 494.4 | 5.4 |
| 20°-30° | 896.4 | 9.8 |
| 30°-40° | 1545.9 | 16.8 |
| 40°-50° | 2511.3 | 27.4 |
| 50°-60° | 2647.0 | 28.8 |
| 60°-70° | 808.8 | 8.8 |
| 70°-80° | 103.7 | 1.1 |
| 80°-90° | 15.8 | 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° | 9177.0 | 100.0 |
| 0°-180° | 9177.0 | 100.0 |

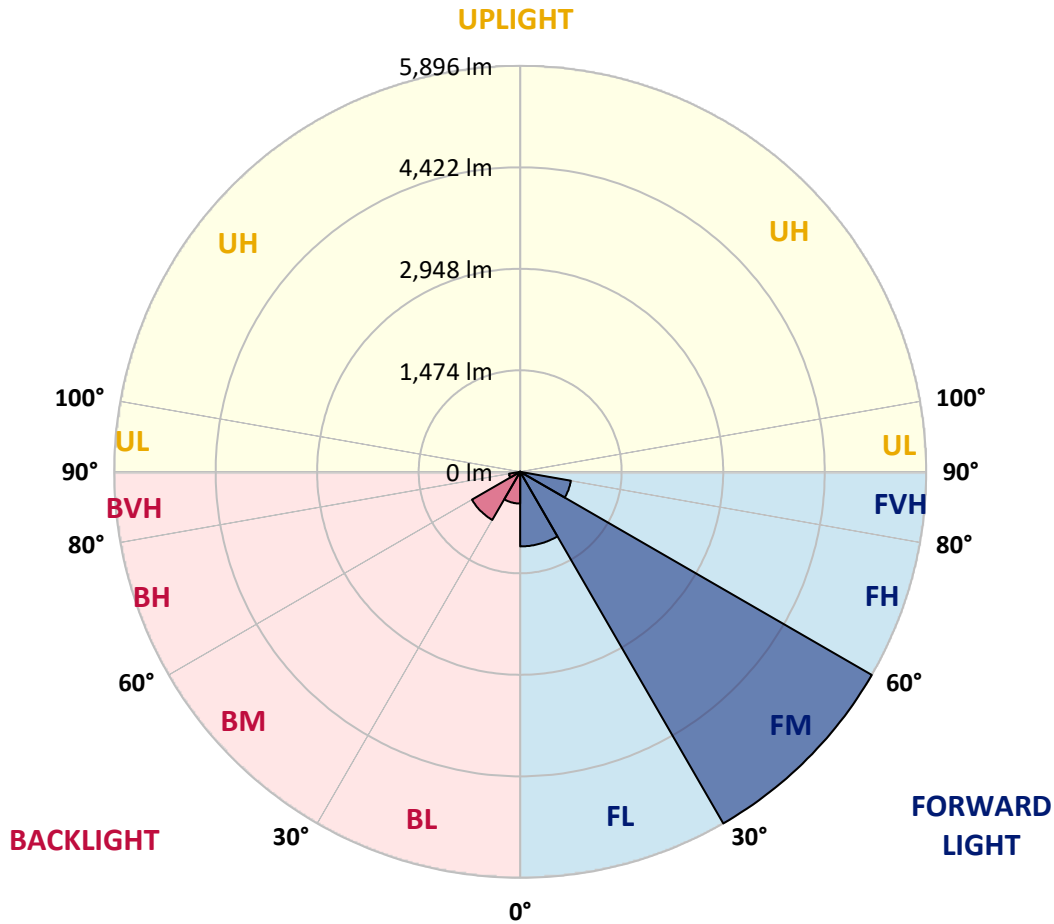


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1083.4 | 11.8 | | | |
| FM (30°-60°) | 5896.2 | 64.2 | | | |
| FH (60°-80°) | 748.0 | 8.2 | | | G1/1800 |
| FVH (80°-90°) | 7.7 | 0.1 | | | G0/10 |
| BL (0°-30°) | 461.2 | 5.0 | B1/500 | | |
| BM (30°-60°) | 808.0 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 164.5 | 1.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 8.0 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 |
| 2.5° | 1759.3 | 1718.7 | 1720.4 | 1717.0 | 1711.9 | 1693.3 | 1637.5 | 1629.0 | 1591.8 | 1581.7 | 1547.8 |
| 5° | 1970.7 | 1935.2 | 1955.5 | 1925.1 | 1896.3 | 1879.4 | 1788.0 | 1745.7 | 1686.5 | 1664.5 | 1617.2 |
| 7.5° | 2102.7 | 2085.8 | 2079.0 | 2080.7 | 2053.6 | 2011.3 | 1970.7 | 1877.7 | 1798.2 | 1781.3 | 1681.5 |
| 10° | 2167.0 | 2156.8 | 2167.0 | 2161.9 | 2173.7 | 2178.8 | 2107.7 | 2051.9 | 1935.2 | 1906.4 | 1750.8 |
| 12.5° | 2182.2 | 2202.5 | 2210.9 | 2232.9 | 2261.7 | 2310.7 | 2305.7 | 2229.5 | 2073.9 | 2055.3 | 1857.4 |
| 15° | 2219.4 | 2236.3 | 2227.9 | 2263.4 | 2317.5 | 2400.4 | 2444.4 | 2432.5 | 2265.1 | 2231.2 | 1980.9 |
| 17.5° | 2253.2 | 2222.8 | 2251.5 | 2322.6 | 2376.7 | 2503.6 | 2610.2 | 2659.2 | 2473.1 | 2434.2 | 2094.2 |
| 20° | 2298.9 | 2290.4 | 2285.4 | 2320.9 | 2417.3 | 2586.5 | 2797.9 | 2887.6 | 2706.6 | 2666.0 | 2256.6 |
| 22.5° | 2437.6 | 2439.3 | 2435.9 | 2383.5 | 2452.8 | 2644.0 | 2962.0 | 3183.6 | 2985.7 | 2951.9 | 2441.0 |
| 25° | 2620.3 | 2598.3 | 2581.4 | 2539.1 | 2530.7 | 2696.4 | 3127.8 | 3545.6 | 3320.6 | 3297.0 | 2640.6 |
| 27.5° | 2813.2 | 2813.2 | 2762.4 | 2723.5 | 2669.4 | 2826.7 | 3280.0 | 3897.5 | 3724.9 | 3692.8 | 2814.8 |
| 30° | 3022.9 | 3034.8 | 3028.0 | 2945.1 | 2911.3 | 2968.8 | 3435.7 | 4347.4 | 4188.4 | 4147.8 | 3102.4 |
| 32.5° | 3332.5 | 3307.1 | 3335.9 | 3266.5 | 3166.7 | 3217.4 | 3680.9 | 4750.0 | 4790.6 | 4733.1 | 3479.6 |
| 35° | 3741.8 | 3726.6 | 3708.0 | 3594.7 | 3476.3 | 3516.9 | 4027.7 | 5245.7 | 5546.8 | 5518.0 | 3860.3 |
| 37.5° | 4108.9 | 4100.5 | 4085.2 | 4007.4 | 3870.4 | 3919.5 | 4421.9 | 5761.6 | 6284.3 | 6189.6 | 4398.2 |
| 40° | 4494.6 | 4540.3 | 4491.2 | 4421.9 | 4296.7 | 4405.0 | 4885.4 | 6067.8 | 6905.2 | 6790.1 | 4809.3 |
| 42.5° | 5017.3 | 4981.8 | 5003.8 | 4876.9 | 4809.3 | 4927.7 | 5350.6 | 6374.0 | 7387.3 | 7250.2 | 5245.7 |
| 45° | 5573.9 | 5575.6 | 5516.3 | 5475.7 | 5299.8 | 5428.4 | 5636.5 | 6543.2 | 7771.3 | 7664.7 | 5575.6 |
| 47.5° | 5930.8 | 5929.1 | 5993.4 | 6057.7 | 5876.7 | 5749.8 | 5831.0 | 6703.9 | 7969.2 | 7920.1 | 5695.7 |
| 50° | 5875.0 | 5891.9 | 5974.8 | 6215.0 | 6309.7 | 6138.9 | 6013.7 | 6656.5 | 8058.8 | 8053.8 | 5798.8 |
| 52.5° | 5110.4 | 5166.2 | 5304.9 | 5651.7 | 6128.7 | 6340.2 | 6204.8 | 6744.5 | 8102.8 | 8111.3 | 5952.8 |
| 55° | 3890.7 | 3921.2 | 4185.0 | 4606.3 | 5134.0 | 5858.1 | 6128.7 | 6813.8 | 8136.7 | 8151.9 | 6138.9 |
| 56° | 3374.8 | 3293.6 | 3674.2 | 3973.6 | 4604.6 | 5396.2 | 5935.9 | 6759.7 | 8116.4 | 8233.1 | 6231.9 |
| 57.5° | 2547.6 | 2493.4 | 2801.3 | 3175.2 | 3782.4 | 4618.1 | 5337.0 | 6504.2 | 7979.3 | 7977.6 | 6098.3 |
| 60° | 1549.5 | 1495.4 | 1732.2 | 1952.1 | 2292.1 | 2843.6 | 3606.5 | 5179.7 | 6746.1 | 6888.2 | 4937.8 |
| 62.5° | 921.9 | 955.8 | 1189.2 | 1322.8 | 1432.8 | 1490.3 | 1865.8 | 3078.7 | 4501.4 | 4602.9 | 3063.5 |
| 65° | 614.1 | 625.9 | 801.8 | 1021.7 | 1070.8 | 852.6 | 759.5 | 1246.7 | 1952.1 | 1889.5 | 1263.6 |
| 67.5° | 378.9 | 406.0 | 537.9 | 768.0 | 850.9 | 622.5 | 360.3 | 465.2 | 537.9 | 537.9 | 365.4 |
| 70° | 230.1 | 243.6 | 358.6 | 522.7 | 583.6 | 400.9 | 262.2 | 262.2 | 258.8 | 253.7 | 218.2 |
| 72.5° | 110.0 | 118.4 | 182.7 | 269.0 | 274.0 | 211.5 | 203.0 | 221.6 | 216.5 | 214.8 | 181.0 |
| 75° | 47.4 | 50.7 | 64.3 | 84.6 | 96.4 | 89.7 | 123.5 | 159.0 | 164.1 | 159.0 | 130.3 |
| 77.5° | 15.2 | 16.9 | 23.7 | 30.4 | 32.1 | 38.9 | 52.4 | 66.0 | 76.1 | 71.0 | 64.3 |
| 80° | 1.7 | 3.4 | 6.8 | 15.2 | 23.7 | 30.4 | 38.9 | 44.0 | 49.1 | 49.1 | 45.7 |
| 82.5° | 1.7 | 1.7 | 6.8 | 13.5 | 22.0 | 28.8 | 37.2 | 42.3 | 49.1 | 50.7 | 47.4 |
| 85° | 0.0 | 1.7 | 5.1 | 11.8 | 18.6 | 18.6 | 16.9 | 16.9 | 11.8 | 11.8 | 11.8 |
| 87.5° | 0.0 | 0.0 | 1.7 | 1.7 | 1.7 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 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-SA2D-750-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 | 1527.5 |
| 2.5° | 1541.1 | 1537.7 | 1492.0 | 1463.2 | 1448.0 | 1417.6 | 1399.0 | 1385.4 | 1375.3 | 1363.4 | 1365.1 |
| 5° | 1561.4 | 1549.5 | 1473.4 | 1421.0 | 1358.4 | 1324.5 | 1295.8 | 1272.1 | 1256.9 | 1253.5 | 1246.7 |
| 7.5° | 1618.9 | 1556.3 | 1441.3 | 1346.5 | 1267.0 | 1233.2 | 1207.8 | 1192.6 | 1199.4 | 1184.1 | 1196.0 |
| 10° | 1662.9 | 1569.8 | 1402.3 | 1265.3 | 1185.8 | 1160.4 | 1146.9 | 1158.8 | 1175.7 | 1168.9 | 1160.4 |
| 12.5° | 1717.0 | 1583.3 | 1339.8 | 1187.5 | 1113.1 | 1094.5 | 1118.2 | 1140.1 | 1174.0 | 1187.5 | 1170.6 |
| 15° | 1777.9 | 1598.6 | 1260.3 | 1097.9 | 1050.5 | 1065.7 | 1106.3 | 1145.2 | 1179.1 | 1196.0 | 1206.1 |
| 17.5° | 1852.3 | 1593.5 | 1182.4 | 1026.8 | 991.3 | 1035.3 | 1084.3 | 1119.8 | 1170.6 | 1196.0 | 1189.2 |
| 20° | 1921.7 | 1576.6 | 1096.2 | 955.8 | 957.5 | 998.1 | 1038.6 | 1096.2 | 1123.2 | 1157.1 | 1145.2 |
| 22.5° | 1987.6 | 1546.1 | 1006.5 | 906.7 | 906.7 | 969.3 | 989.6 | 1026.8 | 1050.5 | 1067.4 | 1065.7 |
| 25° | 2080.7 | 1488.6 | 932.1 | 859.3 | 879.6 | 920.2 | 937.2 | 949.0 | 938.8 | 952.4 | 954.1 |
| 27.5° | 2146.7 | 1429.4 | 871.2 | 817.0 | 854.3 | 884.7 | 879.6 | 872.9 | 849.2 | 830.6 | 842.4 |
| 30° | 2217.7 | 1360.1 | 818.7 | 788.3 | 808.6 | 835.7 | 815.4 | 795.1 | 757.8 | 727.4 | 729.1 |
| 32.5° | 2319.2 | 1327.9 | 773.1 | 754.5 | 781.5 | 784.9 | 762.9 | 732.5 | 695.3 | 666.5 | 664.8 |
| 35° | 2508.7 | 1307.6 | 734.2 | 732.5 | 737.5 | 739.2 | 717.2 | 680.0 | 664.8 | 641.1 | 649.6 |
| 37.5° | 2698.1 | 1297.5 | 707.1 | 700.3 | 698.6 | 700.3 | 675.0 | 639.4 | 668.2 | 666.5 | 669.9 |
| 40° | 2940.0 | 1343.1 | 668.2 | 659.7 | 661.4 | 661.4 | 629.3 | 619.1 | 669.9 | 675.0 | 676.6 |
| 42.5° | 3185.3 | 1400.7 | 642.8 | 615.7 | 622.5 | 622.5 | 605.6 | 593.8 | 629.3 | 595.4 | 590.4 |
| 45° | 3398.4 | 1485.2 | 615.7 | 571.8 | 588.7 | 597.1 | 592.1 | 571.8 | 549.8 | 492.3 | 492.3 |
| 47.5° | 3467.8 | 1559.7 | 583.6 | 529.5 | 543.0 | 580.2 | 565.0 | 522.7 | 483.8 | 436.4 | 433.1 |
| 50° | 3589.6 | 1640.9 | 558.2 | 480.4 | 509.2 | 554.8 | 539.6 | 497.3 | 453.4 | 419.5 | 421.2 |
| 52.5° | 3714.8 | 1733.9 | 510.9 | 422.9 | 458.4 | 534.5 | 534.5 | 487.2 | 419.5 | 395.8 | 392.5 |
| 55° | 3902.5 | 1730.5 | 426.3 | 346.8 | 409.4 | 504.1 | 512.6 | 436.4 | 375.5 | 356.9 | 356.9 |
| 56° | 3929.6 | 1652.7 | 384.0 | 324.8 | 387.4 | 495.6 | 497.3 | 422.9 | 358.6 | 338.3 | 338.3 |
| 57.5° | 3726.6 | 1492.0 | 336.6 | 297.7 | 360.3 | 480.4 | 482.1 | 411.1 | 345.1 | 316.3 | 312.9 |
| 60° | 2867.3 | 1009.9 | 280.8 | 265.6 | 326.5 | 433.1 | 441.5 | 373.8 | 302.8 | 280.8 | 279.1 |
| 62.5° | 1618.9 | 559.9 | 247.0 | 240.2 | 280.8 | 368.8 | 394.1 | 326.5 | 257.1 | 245.3 | 248.7 |
| 65° | 739.2 | 307.9 | 208.1 | 194.5 | 226.7 | 284.2 | 318.0 | 269.0 | 211.5 | 197.9 | 197.9 |
| 67.5° | 270.7 | 209.8 | 177.6 | 153.9 | 159.0 | 184.4 | 206.4 | 174.2 | 140.4 | 120.1 | 125.2 |
| 70° | 192.8 | 175.9 | 155.6 | 133.6 | 123.5 | 120.1 | 118.4 | 98.1 | 69.4 | 54.1 | 57.5 |
| 72.5° | 155.6 | 145.5 | 130.3 | 113.3 | 96.4 | 81.2 | 69.4 | 50.7 | 32.1 | 22.0 | 20.3 |
| 75° | 111.6 | 106.6 | 94.7 | 81.2 | 67.7 | 57.5 | 47.4 | 32.1 | 16.9 | 8.5 | 8.5 |
| 77.5° | 57.5 | 57.5 | 55.8 | 50.7 | 42.3 | 33.8 | 27.1 | 18.6 | 10.1 | 3.4 | 3.4 |
| 80° | 44.0 | 47.4 | 49.1 | 44.0 | 38.9 | 30.4 | 22.0 | 13.5 | 6.8 | 1.7 | 1.7 |
| 82.5° | 42.3 | 49.1 | 52.4 | 45.7 | 38.9 | 28.8 | 22.0 | 13.5 | 6.8 | 1.7 | 1.7 |
| 85° | 10.1 | 10.1 | 15.2 | 16.9 | 22.0 | 23.7 | 18.6 | 11.8 | 5.1 | 1.7 | 1.7 |
| 87.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 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)