

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: P534625

Luminaire Tested: **GLAN-SA9A-AMB-U-5MQ**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-AMB-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8852 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

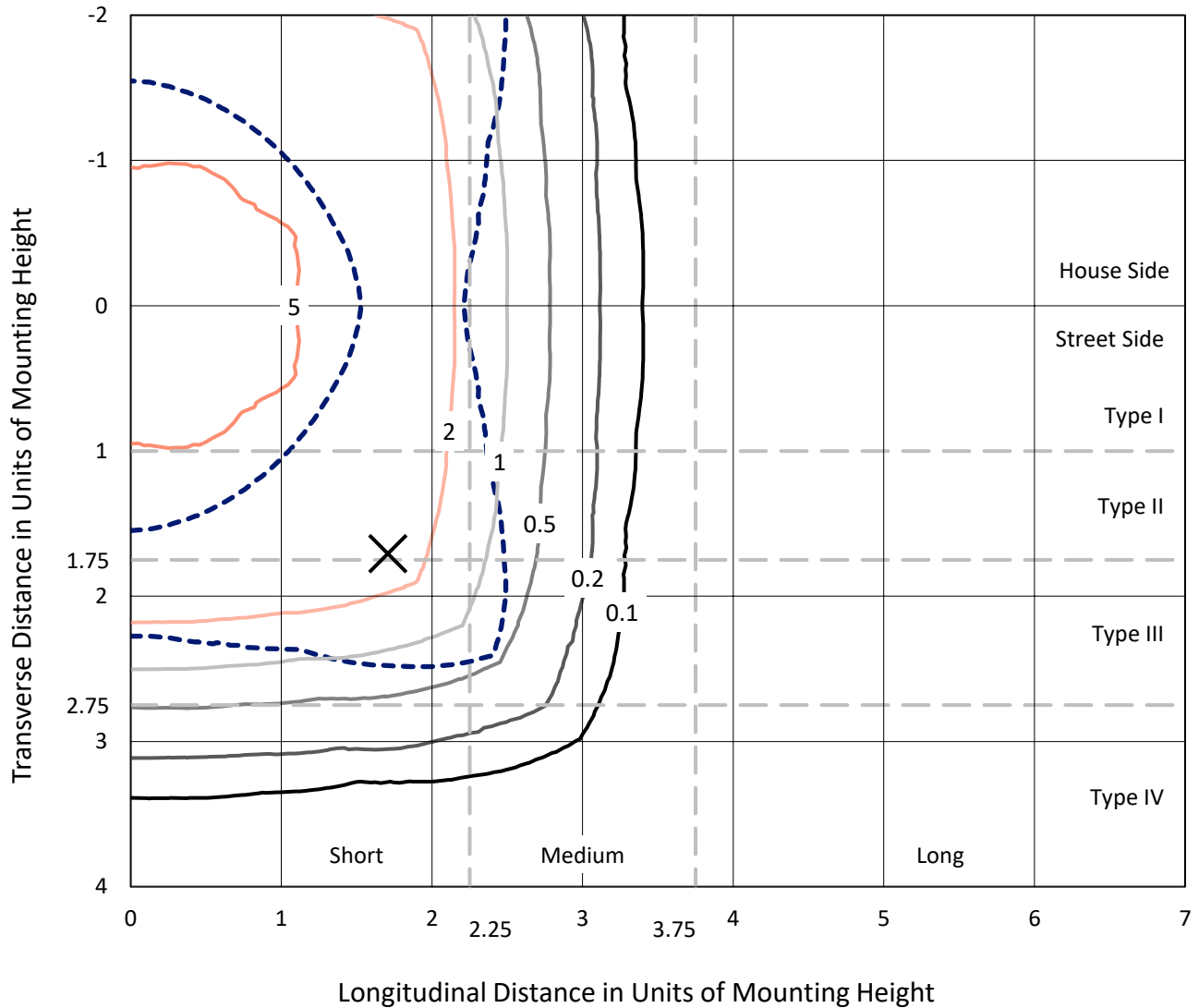
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

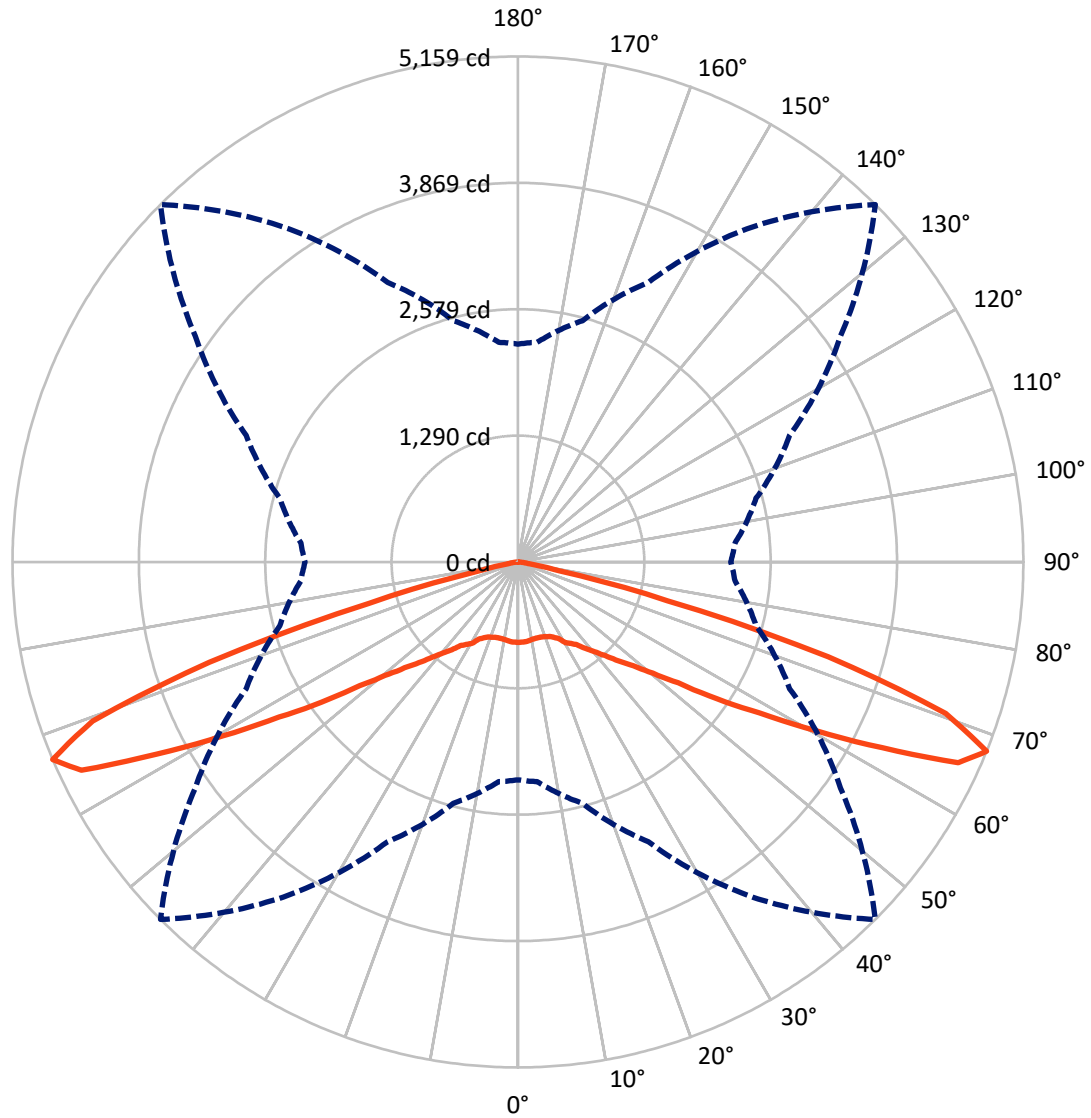
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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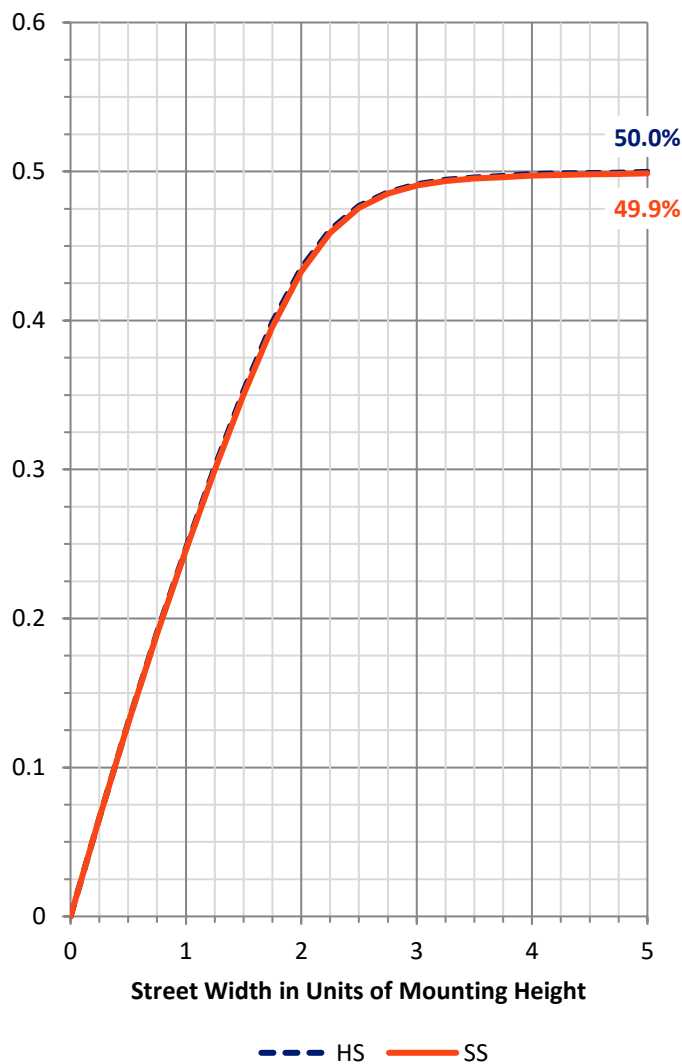
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4426.0 | 0.0 | 4426.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4426.0 | 0.0 | 4426.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 8852.0 | 0.0 | 8852.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.6 | 0.9 |
| 10°-20° | 225.7 | 2.6 |
| 20°-30° | 393.6 | 4.4 |
| 30°-40° | 658.7 | 7.4 |
| 40°-50° | 1141.7 | 12.9 |
| 50°-60° | 2186.1 | 24.7 |
| 60°-70° | 3236.8 | 36.6 |
| 70°-80° | 889.8 | 10.1 |
| 80°-90° | 42.0 | 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° | 8852.0 | 100.0 |
| 0°-180° | 8852.0 | 100.0 |

Coefficient of Utilization



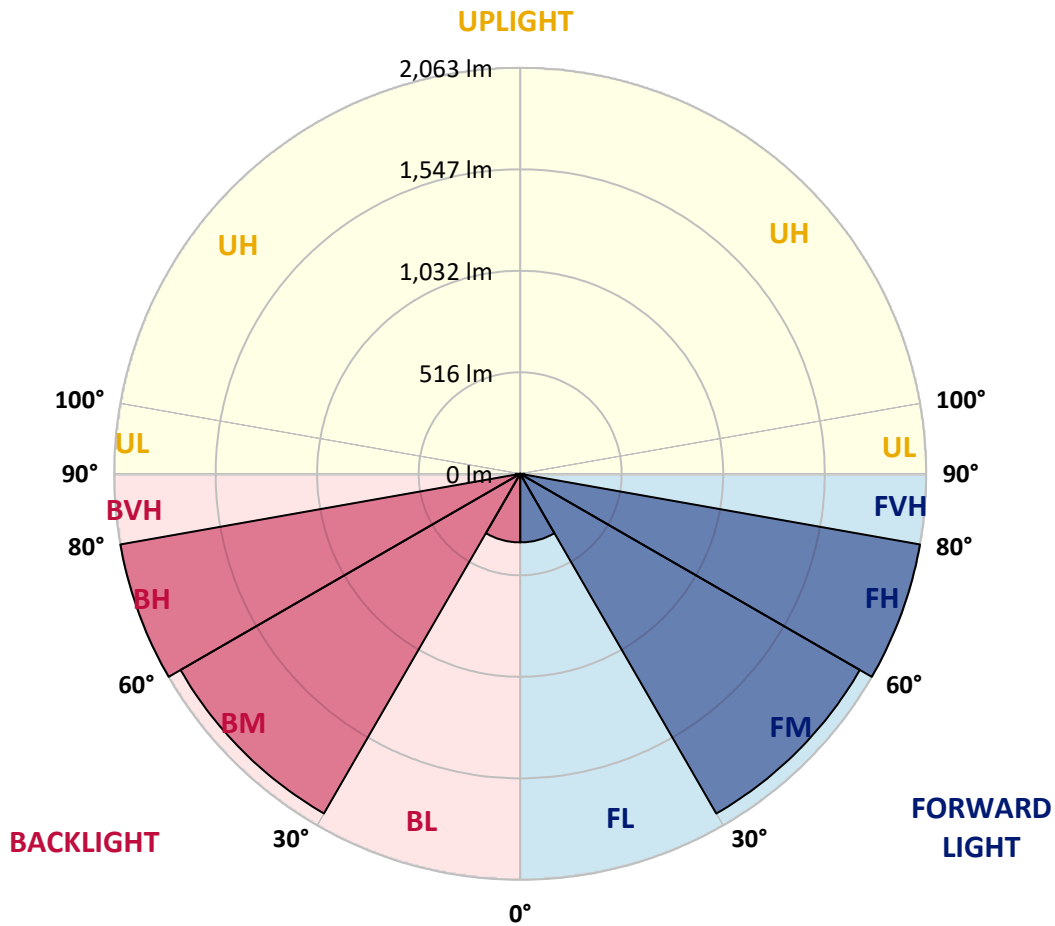
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 348.5 | 3.9 | | | |
| FM (30°-60°) | 1993.3 | 22.5 | | | |
| FH (60°-80°) | 2063.3 | 23.3 | | | G2/5000 |
| FVH (80°-90°) | 21.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 348.5 | 3.9 | B1/500 | | |
| BM (30°-60°) | 1993.3 | 22.5 | B2/2500 | | |
| BH (60°-80°) | 2063.3 | 23.3 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 21.0 | 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 V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 |
| 2.5° | 825.3 | 825.3 | 817.9 | 821.6 | 821.6 | 817.9 | 821.6 | 821.6 | 821.6 | 821.6 | 821.6 |
| 5° | 825.3 | 825.3 | 821.6 | 821.6 | 817.9 | 817.9 | 814.2 | 817.9 | 814.2 | 817.9 | 817.9 |
| 7.5° | 825.3 | 814.2 | 817.9 | 814.2 | 810.5 | 810.5 | 810.5 | 806.8 | 810.5 | 806.8 | 806.8 |
| 10° | 806.8 | 810.5 | 806.8 | 806.8 | 806.8 | 803.1 | 803.1 | 803.1 | 799.4 | 799.4 | 799.4 |
| 12.5° | 799.4 | 799.4 | 795.7 | 799.4 | 803.1 | 799.4 | 795.7 | 792.0 | 792.0 | 795.7 | 792.0 |
| 15° | 788.3 | 792.0 | 792.0 | 792.0 | 803.1 | 799.4 | 795.7 | 792.0 | 792.0 | 788.3 | 788.3 |
| 17.5° | 788.3 | 784.6 | 788.3 | 792.0 | 803.1 | 803.1 | 799.4 | 792.0 | 788.3 | 788.3 | 784.6 |
| 20° | 780.9 | 784.6 | 792.0 | 803.1 | 806.8 | 814.2 | 810.5 | 803.1 | 795.7 | 795.7 | 788.3 |
| 22.5° | 792.0 | 792.0 | 803.1 | 806.8 | 821.6 | 825.3 | 821.6 | 821.6 | 810.5 | 806.8 | 803.1 |
| 25° | 817.9 | 817.9 | 825.3 | 840.1 | 847.5 | 851.2 | 843.8 | 847.5 | 832.7 | 836.4 | 832.7 |
| 27.5° | 847.5 | 851.2 | 862.3 | 877.1 | 888.2 | 884.5 | 891.9 | 880.8 | 869.7 | 862.3 | 862.3 |
| 30° | 895.6 | 899.3 | 910.4 | 925.2 | 943.7 | 954.8 | 947.4 | 921.5 | 914.1 | 906.7 | 903.0 |
| 32.5° | 951.1 | 947.4 | 958.5 | 980.7 | 999.2 | 991.8 | 988.1 | 980.7 | 969.6 | 965.9 | 962.2 |
| 35° | 1010.3 | 999.2 | 1017.7 | 1039.9 | 1047.3 | 1036.2 | 1039.9 | 1047.3 | 1028.8 | 1025.1 | 1017.7 |
| 37.5° | 1069.5 | 1069.5 | 1088.0 | 1106.5 | 1117.6 | 1121.3 | 1117.6 | 1121.3 | 1110.2 | 1099.1 | 1099.1 |
| 40° | 1158.4 | 1154.6 | 1176.9 | 1191.7 | 1206.5 | 1202.8 | 1206.5 | 1217.6 | 1210.2 | 1202.8 | 1195.4 |
| 42.5° | 1269.4 | 1258.3 | 1287.9 | 1302.7 | 1313.8 | 1306.4 | 1321.2 | 1336.0 | 1332.3 | 1321.2 | 1313.8 |
| 45° | 1384.1 | 1391.5 | 1417.4 | 1439.6 | 1439.6 | 1439.6 | 1461.8 | 1476.6 | 1469.2 | 1469.2 | 1454.4 |
| 47.5° | 1535.8 | 1550.6 | 1580.2 | 1602.4 | 1609.8 | 1583.9 | 1617.2 | 1658.0 | 1646.9 | 1624.7 | 1609.8 |
| 50° | 1728.3 | 1717.2 | 1769.0 | 1809.7 | 1802.3 | 1783.8 | 1843.0 | 1876.3 | 1861.5 | 1828.2 | 1820.8 |
| 52.5° | 1950.3 | 1950.3 | 1994.7 | 2057.6 | 2072.4 | 2050.2 | 2120.6 | 2165.0 | 2120.6 | 2094.7 | 2083.6 |
| 55° | 2246.4 | 2250.1 | 2287.1 | 2364.8 | 2424.0 | 2464.7 | 2486.9 | 2468.4 | 2416.6 | 2379.6 | 2350.0 |
| 57.5° | 2575.8 | 2590.6 | 2679.4 | 2753.4 | 2838.5 | 2905.1 | 2886.6 | 2805.2 | 2694.2 | 2616.5 | 2616.5 |
| 60° | 2975.4 | 2982.8 | 3064.3 | 3219.7 | 3393.6 | 3497.3 | 3315.9 | 3105.0 | 2949.5 | 2853.3 | 2831.1 |
| 62.5° | 3064.3 | 3086.5 | 3278.9 | 3608.3 | 3985.8 | 4174.5 | 3782.2 | 3401.0 | 3127.2 | 2960.6 | 2949.5 |
| 65° | 2849.6 | 2857.0 | 3127.2 | 3612.0 | 4337.3 | 4936.9 | 4119.0 | 3445.4 | 2960.6 | 2705.3 | 2675.7 |
| 67.5° | 2224.2 | 2250.1 | 2549.9 | 3149.4 | 4174.5 | 5158.9 | 4019.1 | 3060.6 | 2516.5 | 2224.2 | 2172.4 |
| 70° | 1299.0 | 1339.7 | 1554.3 | 2128.0 | 3397.3 | 4633.4 | 3312.2 | 2205.7 | 1621.0 | 1376.7 | 1354.5 |
| 72.5° | 610.6 | 625.4 | 755.0 | 1110.2 | 2139.1 | 3312.2 | 2168.7 | 1191.7 | 751.3 | 636.5 | 606.9 |
| 75° | 207.2 | 218.3 | 244.3 | 381.2 | 884.5 | 1576.5 | 877.1 | 381.2 | 251.7 | 236.9 | 229.4 |
| 77.5° | 122.1 | 118.4 | 122.1 | 129.5 | 225.7 | 425.6 | 236.9 | 144.3 | 129.5 | 133.2 | 133.2 |
| 80° | 74.0 | 74.0 | 85.1 | 88.8 | 96.2 | 114.7 | 111.0 | 103.6 | 96.2 | 81.4 | 81.4 |
| 82.5° | 37.0 | 40.7 | 59.2 | 62.9 | 62.9 | 70.3 | 74.0 | 77.7 | 70.3 | 44.4 | 44.4 |
| 85° | 22.2 | 18.5 | 33.3 | 37.0 | 37.0 | 29.6 | 40.7 | 48.1 | 44.4 | 22.2 | 25.9 |
| 87.5° | 3.7 | 3.7 | 11.1 | 11.1 | 11.1 | 7.4 | 11.1 | 14.8 | 14.8 | 7.4 | 3.7 |
| 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)