

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: P317333

Luminaire Tested: **GAN-SA9C-722-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-722-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47516 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

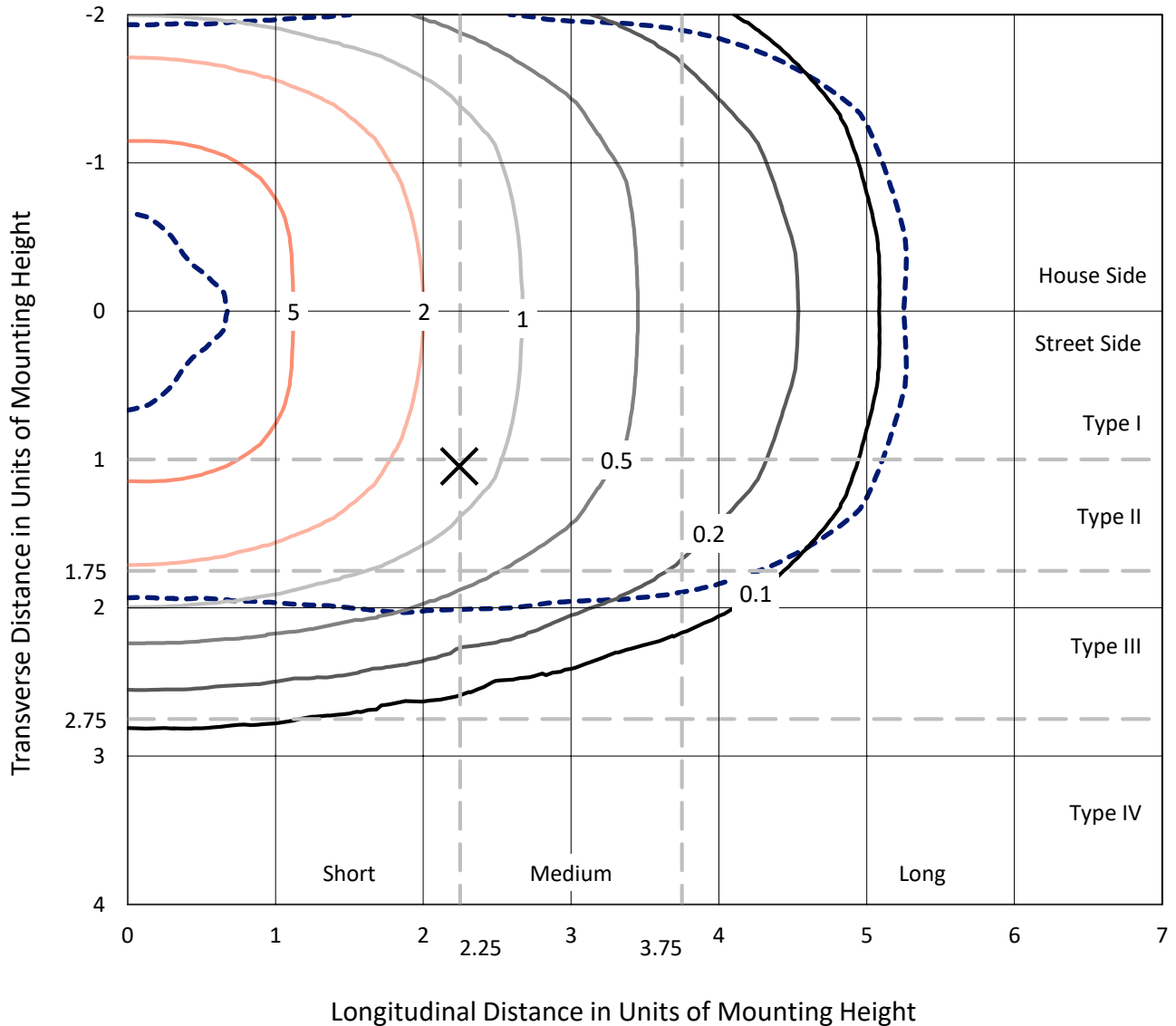
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

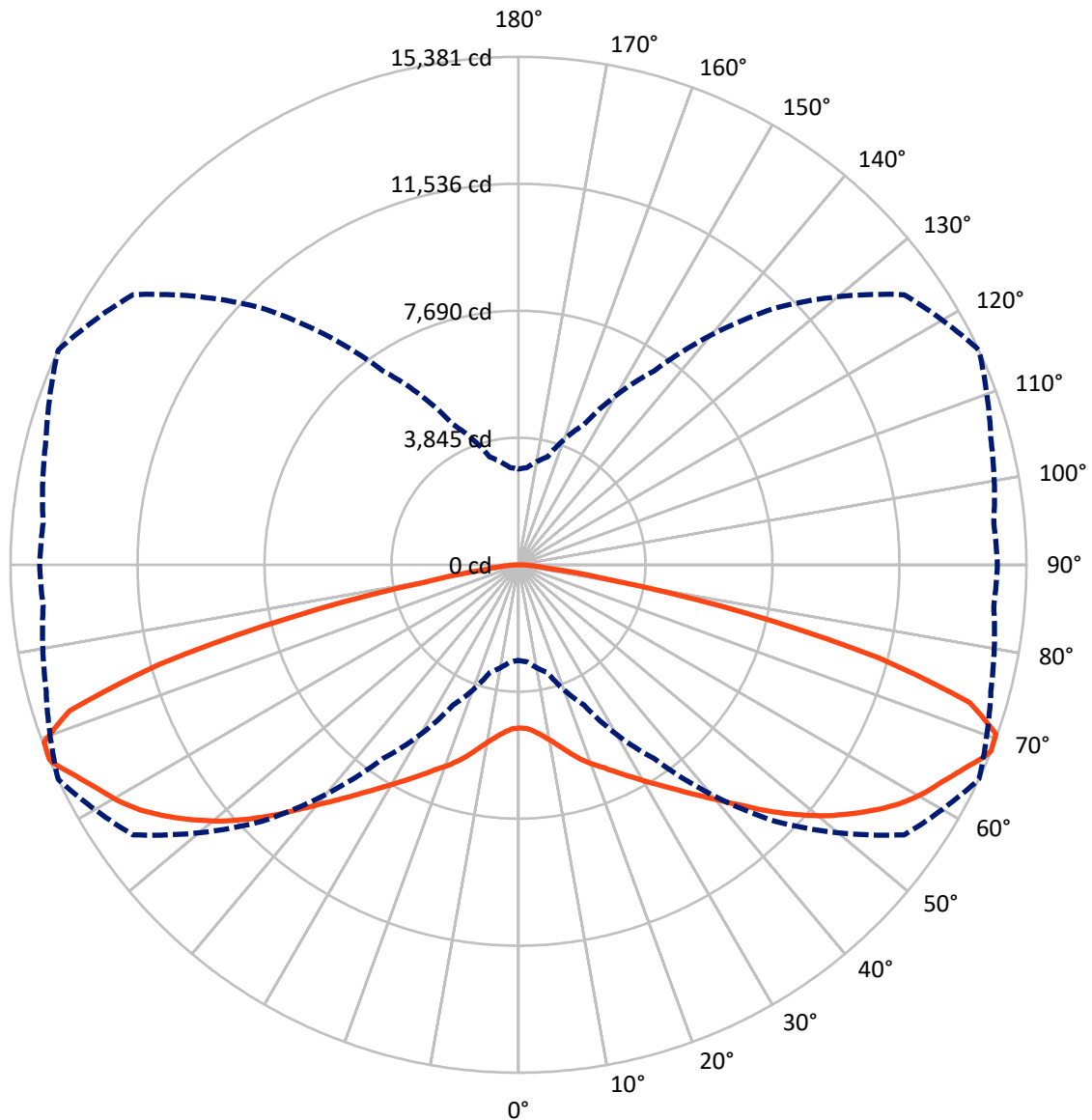
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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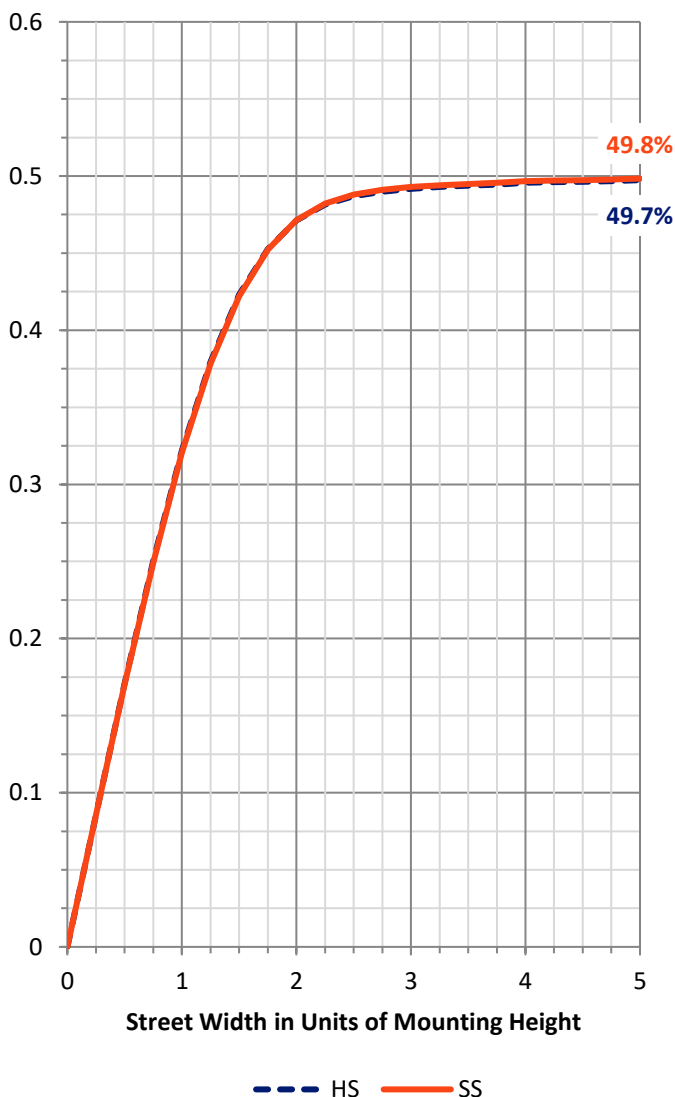
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 23758.0 | 0.0 | 23758.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 23758.0 | 0.0 | 23758.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 47516.0 | 0.0 | 47516.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 483.7 | 1.0 |
| 10°-20° | 1619.7 | 3.4 |
| 20°-30° | 3158.0 | 6.6 |
| 30°-40° | 5305.1 | 11.2 |
| 40°-50° | 8359.0 | 17.6 |
| 50°-60° | 11178.7 | 23.5 |
| 60°-70° | 10867.1 | 22.9 |
| 70°-80° | 5940.5 | 12.5 |
| 80°-90° | 604.2 | 1.3 |
| 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° | 47516.0 | 100.0 |
| 0°-180° | 47516.0 | 100.0 |

Coefficient of Utilization

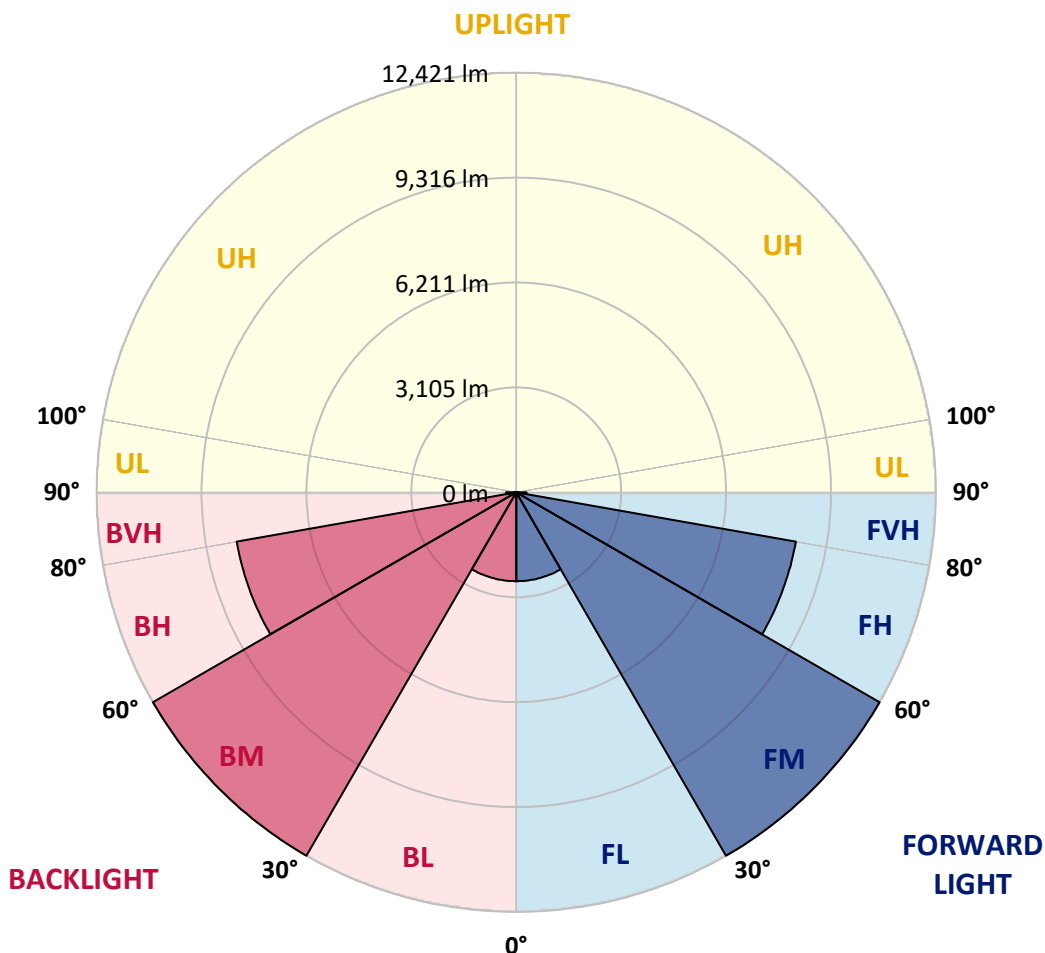


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2630.7 | 5.5 | | | |
| FM (30°-60°) | 12421.4 | 26.1 | | | |
| FH (60°-80°) | 8403.8 | 17.7 | | | G4/12000 |
| FVH (80°-90°) | 302.1 | 0.6 | | | G3/500 |
| BL (0°-30°) | 2630.7 | 5.5 | B4/5000 | | |
| BM (30°-60°) | 12421.4 | 26.1 | B5 | | |
| BH (60°-80°) | 8403.8 | 17.7 | B5 | | G5 |
| BVH (80°-90°) | 302.1 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 | 4940.5 |
| 2.5° | 4905.5 | 4907.1 | 4915.1 | 4924.6 | 4932.6 | 4953.3 | 4958.1 | 4966.0 | 4969.2 | 4977.2 | 4977.2 |
| 5° | 4862.5 | 4865.7 | 4884.8 | 4910.3 | 4939.0 | 4989.9 | 5026.6 | 5068.0 | 5088.7 | 5111.0 | 5109.4 |
| 7.5° | 4857.7 | 4865.7 | 4892.7 | 4934.2 | 4982.0 | 5066.4 | 5142.9 | 5225.7 | 5281.5 | 5332.5 | 5329.3 |
| 10° | 4907.1 | 4919.8 | 4958.1 | 5020.2 | 5091.9 | 5197.1 | 5310.2 | 5421.7 | 5518.9 | 5596.9 | 5600.1 |
| 12.5° | 4982.0 | 4997.9 | 5058.4 | 5152.4 | 5260.8 | 5396.2 | 5530.0 | 5655.9 | 5789.7 | 5906.0 | 5915.6 |
| 15° | 5080.7 | 5101.5 | 5192.3 | 5332.5 | 5498.2 | 5659.1 | 5802.5 | 5931.5 | 6086.1 | 6247.0 | 6262.9 |
| 17.5° | 5227.3 | 5256.0 | 5375.5 | 5565.1 | 5783.4 | 5960.2 | 6110.0 | 6207.1 | 6336.2 | 6501.9 | 6532.2 |
| 20° | 5450.4 | 5487.0 | 5638.4 | 5864.6 | 6130.7 | 6315.5 | 6430.2 | 6450.9 | 6514.6 | 6662.8 | 6697.9 |
| 22.5° | 5740.3 | 5772.2 | 5941.1 | 6210.3 | 6508.3 | 6709.0 | 6769.6 | 6686.7 | 6680.3 | 6799.8 | 6833.3 |
| 25° | 6063.8 | 6092.4 | 6288.4 | 6591.1 | 6911.3 | 7132.8 | 7131.2 | 6970.3 | 6858.8 | 6951.2 | 6986.2 |
| 27.5° | 6427.0 | 6471.6 | 6659.6 | 6978.3 | 7320.8 | 7539.1 | 7526.3 | 7277.8 | 7065.9 | 7089.8 | 7120.1 |
| 30° | 6844.4 | 6893.8 | 7077.0 | 7400.5 | 7743.0 | 7956.5 | 7940.6 | 7612.4 | 7293.7 | 7230.0 | 7252.3 |
| 32.5° | 7362.2 | 7421.2 | 7594.8 | 7913.5 | 8216.2 | 8409.0 | 8362.8 | 7975.6 | 7567.8 | 7429.1 | 7449.9 |
| 35° | 7985.2 | 8020.2 | 8203.4 | 8517.3 | 8762.7 | 8894.9 | 8797.7 | 8396.2 | 7915.1 | 7747.8 | 7747.8 |
| 37.5° | 8616.1 | 8643.2 | 8848.7 | 9153.0 | 9390.4 | 9460.5 | 9270.9 | 8856.7 | 8369.1 | 8131.7 | 8136.5 |
| 40° | 9221.5 | 9294.8 | 9525.8 | 9838.1 | 10072.3 | 10091.4 | 9839.7 | 9382.4 | 8874.2 | 8628.8 | 8657.5 |
| 42.5° | 9854.0 | 9925.7 | 10201.3 | 10555.0 | 10762.1 | 10794.0 | 10499.3 | 9971.9 | 9444.6 | 9245.4 | 9277.3 |
| 45° | 10418.0 | 10475.4 | 10794.0 | 11205.0 | 11463.1 | 11546.0 | 11197.1 | 10647.4 | 10061.1 | 9866.8 | 9874.7 |
| 47.5° | 10811.5 | 10886.4 | 11236.9 | 11721.3 | 12097.2 | 12224.7 | 11882.2 | 11305.4 | 10668.1 | 10432.3 | 10453.1 |
| 50° | 11168.4 | 11208.2 | 11563.5 | 12092.5 | 12570.4 | 12833.3 | 12540.2 | 11955.5 | 11281.5 | 11031.4 | 11053.7 |
| 52.5° | 11367.6 | 11418.5 | 11762.7 | 12313.9 | 12879.5 | 13303.3 | 13124.9 | 12540.2 | 11874.2 | 11630.4 | 11657.5 |
| 55° | 11228.9 | 11267.2 | 11679.8 | 12363.3 | 13070.7 | 13593.3 | 13620.4 | 13112.1 | 12455.7 | 12242.2 | 12318.7 |
| 57.5° | 10598.0 | 10645.8 | 11149.3 | 12044.7 | 13094.6 | 13789.2 | 13993.2 | 13642.7 | 12999.0 | 12825.3 | 12870.0 |
| 60° | 9611.8 | 9642.1 | 10179.0 | 11185.9 | 12629.4 | 13870.5 | 14230.6 | 14076.0 | 13531.1 | 13357.5 | 13418.0 |
| 62.5° | 7854.5 | 7899.1 | 8541.2 | 9890.7 | 11646.4 | 13629.9 | 14460.0 | 14434.5 | 14026.6 | 13867.3 | 13921.5 |
| 65° | 5369.1 | 5447.2 | 6157.8 | 7864.1 | 10131.2 | 12893.9 | 14668.7 | 14851.9 | 14464.8 | 14264.0 | 14335.7 |
| 67.5° | 3242.2 | 3299.5 | 3814.1 | 5192.3 | 7752.6 | 11409.0 | 14453.6 | 15326.7 | 14773.8 | 14450.4 | 14509.4 |
| 68° | 2898.0 | 2950.6 | 3380.8 | 4685.6 | 7171.0 | 10990.0 | 14257.6 | 15380.9 | 14807.3 | 14447.2 | 14499.8 |
| 70° | 1750.9 | 1786.0 | 2074.4 | 2896.5 | 4781.2 | 8718.0 | 12920.9 | 15336.2 | 15020.8 | 14491.8 | 14522.1 |
| 72.5° | 1140.7 | 1151.9 | 1199.7 | 1486.5 | 2442.4 | 4875.2 | 9697.9 | 14291.1 | 15341.0 | 14751.5 | 14746.8 |
| 75° | 948.0 | 941.6 | 946.4 | 979.8 | 1204.5 | 2138.1 | 5667.0 | 11289.5 | 14624.1 | 14342.1 | 14241.7 |
| 77.5° | 801.4 | 796.6 | 795.0 | 796.6 | 806.2 | 1032.4 | 2459.9 | 7032.4 | 11190.7 | 12686.7 | 12776.0 |
| 80° | 648.4 | 642.1 | 662.8 | 653.2 | 624.5 | 642.1 | 1030.8 | 2925.1 | 5275.1 | 5675.0 | 5318.1 |
| 82.5° | 471.6 | 447.7 | 536.9 | 511.4 | 487.5 | 452.5 | 568.8 | 944.8 | 1258.6 | 863.5 | 607.0 |
| 85° | 363.3 | 337.8 | 407.9 | 391.9 | 334.6 | 231.0 | 337.8 | 462.0 | 509.8 | 291.6 | 229.4 |
| 87.5° | 148.2 | 156.1 | 294.7 | 232.6 | 196.0 | 111.5 | 138.6 | 184.8 | 248.5 | 124.3 | 95.6 |
| 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)