

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: P531188

Luminaire Tested: **GLAN-SA6C-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31404 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

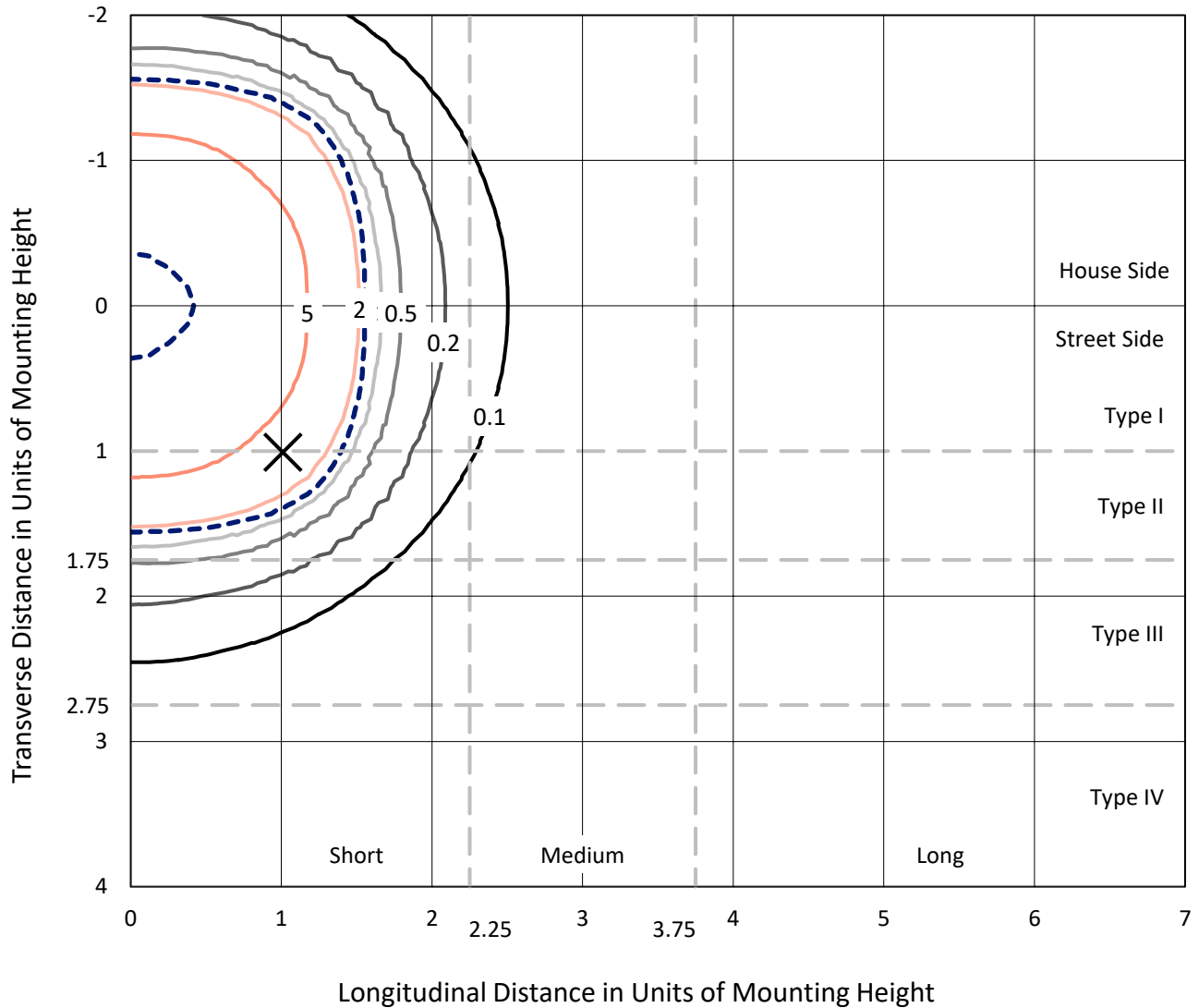
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

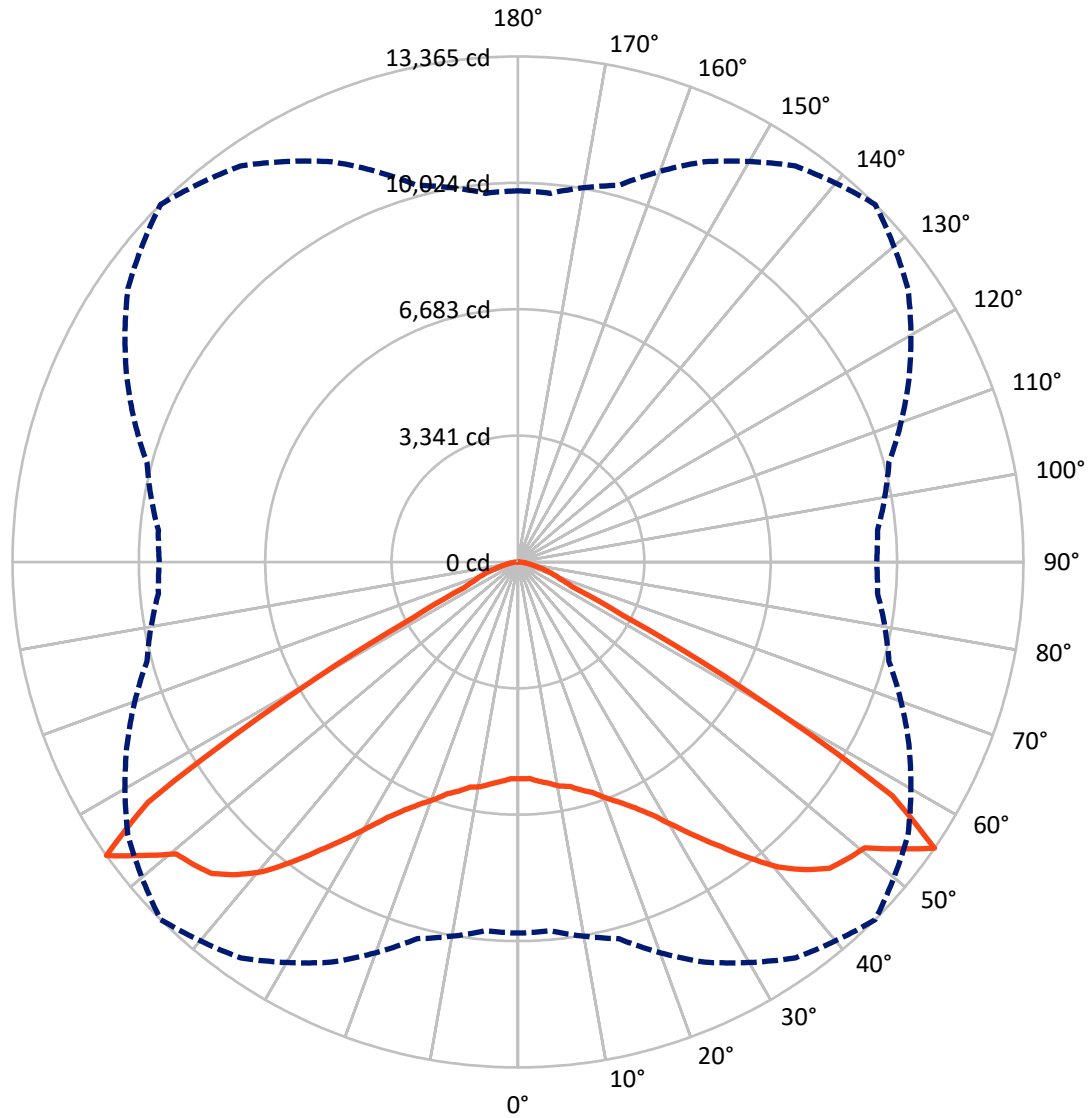
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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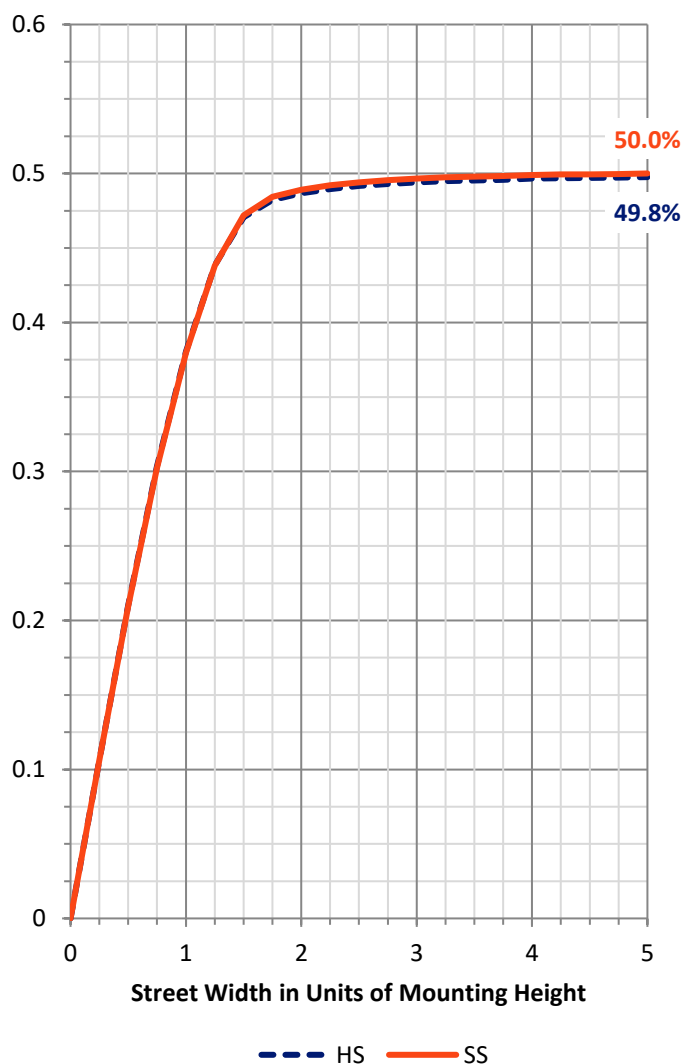
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 15702.0 | 0.0 | 15702.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 15702.0 | 0.0 | 15702.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 31404.0 | 0.0 | 31404.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 560.1 | 1.8 |
| 10°-20° | 1774.8 | 5.7 |
| 20°-30° | 3309.5 | 10.5 |
| 30°-40° | 5541.2 | 17.6 |
| 40°-50° | 8622.5 | 27.5 |
| 50°-60° | 8952.9 | 28.5 |
| 60°-70° | 1898.6 | 6.0 |
| 70°-80° | 625.3 | 2.0 |
| 80°-90° | 119.1 | 0.4 |
| 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° | 31404.0 | 100.0 |
| 0°-180° | 31404.0 | 100.0 |

Coefficient of Utilization

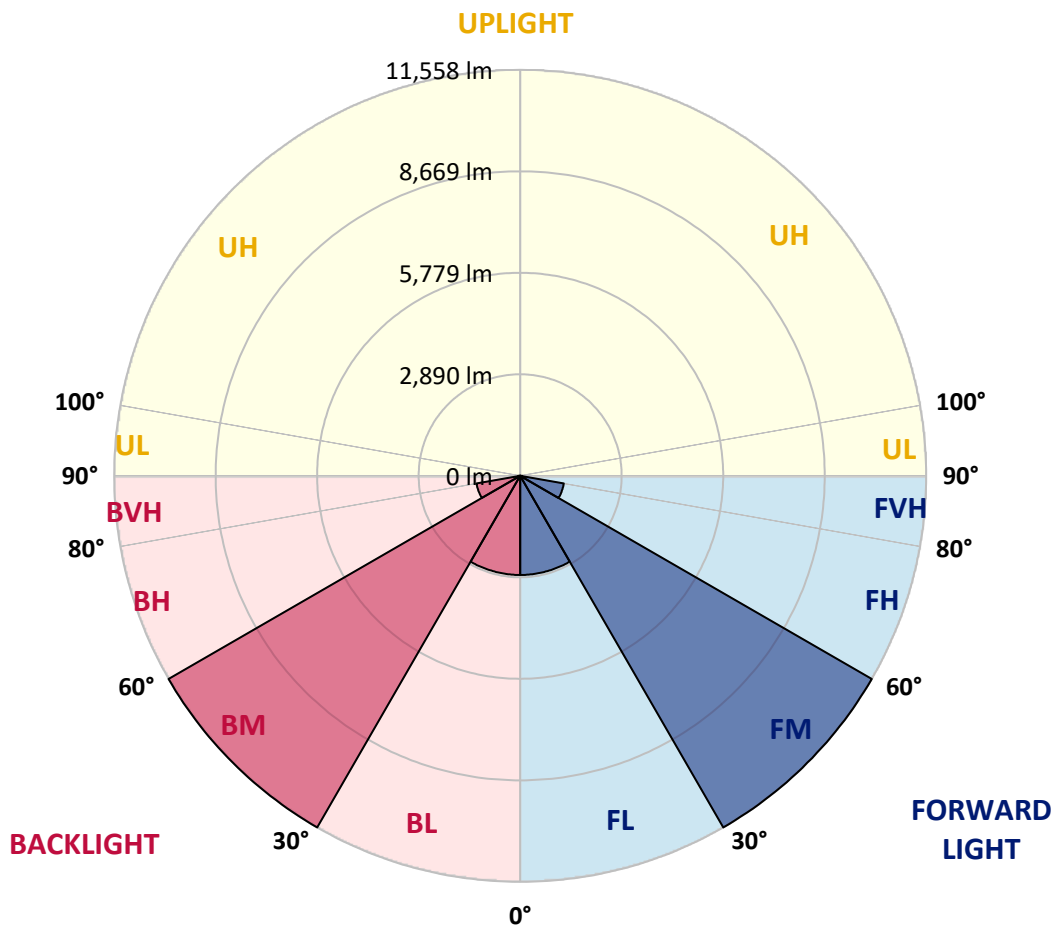


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2822.2 | 9.0 | | | |
| FM (30°-60°) | 11558.3 | 36.8 | | | |
| FH (60°-80°) | 1261.9 | 4.0 | | | G1/1800 |
| FVH (80°-90°) | 59.5 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2822.2 | 9.0 | B4/5000 | | |
| BM (30°-60°) | 11558.3 | 36.8 | B5 | | |
| BH (60°-80°) | 1261.9 | 4.0 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 59.5 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 | 5733.9 |
| 2.5° | 5802.2 | 5775.6 | 5730.1 | 5764.3 | 5790.8 | 5733.9 | 5756.7 | 5768.1 | 5760.5 | 5730.1 | 5741.5 |
| 5° | 5885.7 | 5870.5 | 5832.6 | 5859.1 | 5825.0 | 5825.0 | 5802.2 | 5771.8 | 5817.4 | 5809.8 | 5828.8 |
| 7.5° | 5885.7 | 5866.7 | 5942.6 | 5893.3 | 5908.5 | 5908.5 | 5870.5 | 5840.2 | 5862.9 | 5828.8 | 5809.8 |
| 10° | 6003.3 | 6029.9 | 5995.7 | 6007.1 | 5999.5 | 6026.1 | 5969.2 | 5950.2 | 5931.2 | 5919.8 | 5897.1 |
| 12.5° | 6143.7 | 6124.8 | 6136.1 | 6128.6 | 6155.1 | 6086.8 | 6052.7 | 6010.9 | 6045.1 | 5995.7 | 6029.9 |
| 15° | 6257.6 | 6246.2 | 6257.6 | 6287.9 | 6261.4 | 6257.6 | 6196.9 | 6155.1 | 6102.0 | 6113.4 | 6060.3 |
| 17.5° | 6413.2 | 6401.8 | 6405.6 | 6432.1 | 6428.3 | 6409.4 | 6363.8 | 6284.1 | 6265.2 | 6234.8 | 6200.7 |
| 20° | 6644.6 | 6625.7 | 6618.1 | 6629.5 | 6648.4 | 6663.6 | 6572.5 | 6542.2 | 6477.7 | 6428.3 | 6371.4 |
| 22.5° | 6842.0 | 6834.4 | 6864.7 | 6815.4 | 6857.2 | 6902.7 | 6815.4 | 6800.2 | 6640.9 | 6614.3 | 6553.6 |
| 25° | 7115.2 | 7103.8 | 7084.8 | 7156.9 | 7206.3 | 7202.5 | 7119.0 | 7035.5 | 6914.1 | 6883.7 | 6883.7 |
| 27.5° | 7403.6 | 7339.1 | 7437.8 | 7456.7 | 7544.0 | 7570.6 | 7498.5 | 7377.0 | 7263.2 | 7198.7 | 7213.9 |
| 30° | 7764.1 | 7703.4 | 7726.2 | 7862.8 | 7976.6 | 8075.3 | 7893.1 | 7714.8 | 7555.4 | 7441.5 | 7422.6 |
| 32.5° | 8124.6 | 8063.9 | 8132.2 | 8265.0 | 8492.7 | 8640.7 | 8462.3 | 8151.2 | 7965.2 | 7798.3 | 7832.4 |
| 35° | 8416.8 | 8462.3 | 8572.4 | 8773.5 | 9008.8 | 9247.9 | 8963.3 | 8724.2 | 8458.5 | 8272.6 | 8299.2 |
| 37.5° | 8887.4 | 9027.8 | 9115.0 | 9346.5 | 9680.5 | 9927.1 | 9631.1 | 9320.0 | 9035.4 | 8792.5 | 8709.0 |
| 40° | 9502.1 | 9597.0 | 9695.6 | 9968.9 | 10363.5 | 10610.2 | 10329.4 | 9923.3 | 9642.5 | 9392.1 | 9380.7 |
| 42.5° | 10177.6 | 10268.7 | 10371.1 | 10705.1 | 10940.3 | 11126.3 | 10868.2 | 10651.9 | 10340.8 | 10143.4 | 10132.0 |
| 45° | 10963.1 | 10898.6 | 11012.4 | 11232.5 | 11429.9 | 11551.3 | 11384.3 | 11278.1 | 11054.2 | 10872.0 | 10853.1 |
| 47.5° | 11486.8 | 11429.9 | 11634.8 | 11832.1 | 11862.5 | 11729.6 | 11763.8 | 11862.5 | 11627.2 | 11327.4 | 11422.3 |
| 50° | 11790.4 | 11790.4 | 11927.0 | 12109.1 | 12052.2 | 11881.4 | 12150.9 | 12158.5 | 11923.2 | 11657.5 | 11657.5 |
| 52.5° | 11262.9 | 11380.5 | 11767.6 | 12363.4 | 12553.1 | 12602.4 | 12541.7 | 12283.7 | 11668.9 | 11126.3 | 11099.7 |
| 55° | 9813.3 | 9786.7 | 10310.4 | 11676.5 | 12780.8 | 13365.2 | 12591.1 | 11403.3 | 10154.8 | 9543.9 | 9483.1 |
| 57.5° | 6382.8 | 6413.2 | 7194.9 | 8587.6 | 10579.8 | 11668.9 | 10363.5 | 8693.8 | 7194.9 | 6352.4 | 6432.1 |
| 60° | 2872.6 | 2975.1 | 3449.4 | 4489.2 | 6200.7 | 7088.6 | 6215.8 | 4716.9 | 3620.2 | 3142.1 | 3183.8 |
| 62.5° | 1650.7 | 1669.7 | 1688.7 | 2003.6 | 2641.2 | 3123.1 | 2743.6 | 2117.5 | 1867.0 | 1783.5 | 1783.5 |
| 65° | 1392.7 | 1381.3 | 1385.1 | 1411.7 | 1480.0 | 1578.6 | 1536.9 | 1480.0 | 1487.6 | 1480.0 | 1468.6 |
| 67.5° | 1184.0 | 1199.1 | 1187.8 | 1206.7 | 1210.5 | 1225.7 | 1252.3 | 1275.0 | 1278.8 | 1286.4 | 1278.8 |
| 70° | 971.5 | 975.3 | 982.8 | 998.0 | 1001.8 | 1013.2 | 1051.2 | 1070.1 | 1081.5 | 1081.5 | 1096.7 |
| 72.5° | 743.8 | 740.0 | 747.6 | 762.7 | 781.7 | 785.5 | 819.7 | 846.2 | 861.4 | 842.4 | 846.2 |
| 75° | 489.5 | 493.3 | 504.7 | 516.1 | 542.7 | 569.2 | 580.6 | 607.2 | 611.0 | 618.5 | 599.6 |
| 77.5° | 292.2 | 299.8 | 311.2 | 333.9 | 356.7 | 379.5 | 406.0 | 425.0 | 432.6 | 425.0 | 402.2 |
| 80° | 189.7 | 189.7 | 204.9 | 223.9 | 250.5 | 269.4 | 284.6 | 299.8 | 311.2 | 299.8 | 292.2 |
| 82.5° | 117.6 | 117.6 | 136.6 | 159.4 | 178.4 | 189.7 | 212.5 | 231.5 | 242.9 | 235.3 | 223.9 |
| 85° | 60.7 | 64.5 | 79.7 | 98.7 | 113.8 | 121.4 | 117.6 | 106.3 | 94.9 | 91.1 | 83.5 |
| 87.5° | 19.0 | 19.0 | 22.8 | 22.8 | 19.0 | 19.0 | 22.8 | 19.0 | 22.8 | 22.8 | 22.8 |
| 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)