

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: P533248

Luminaire Tested: **GLAN-SA8C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39529 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

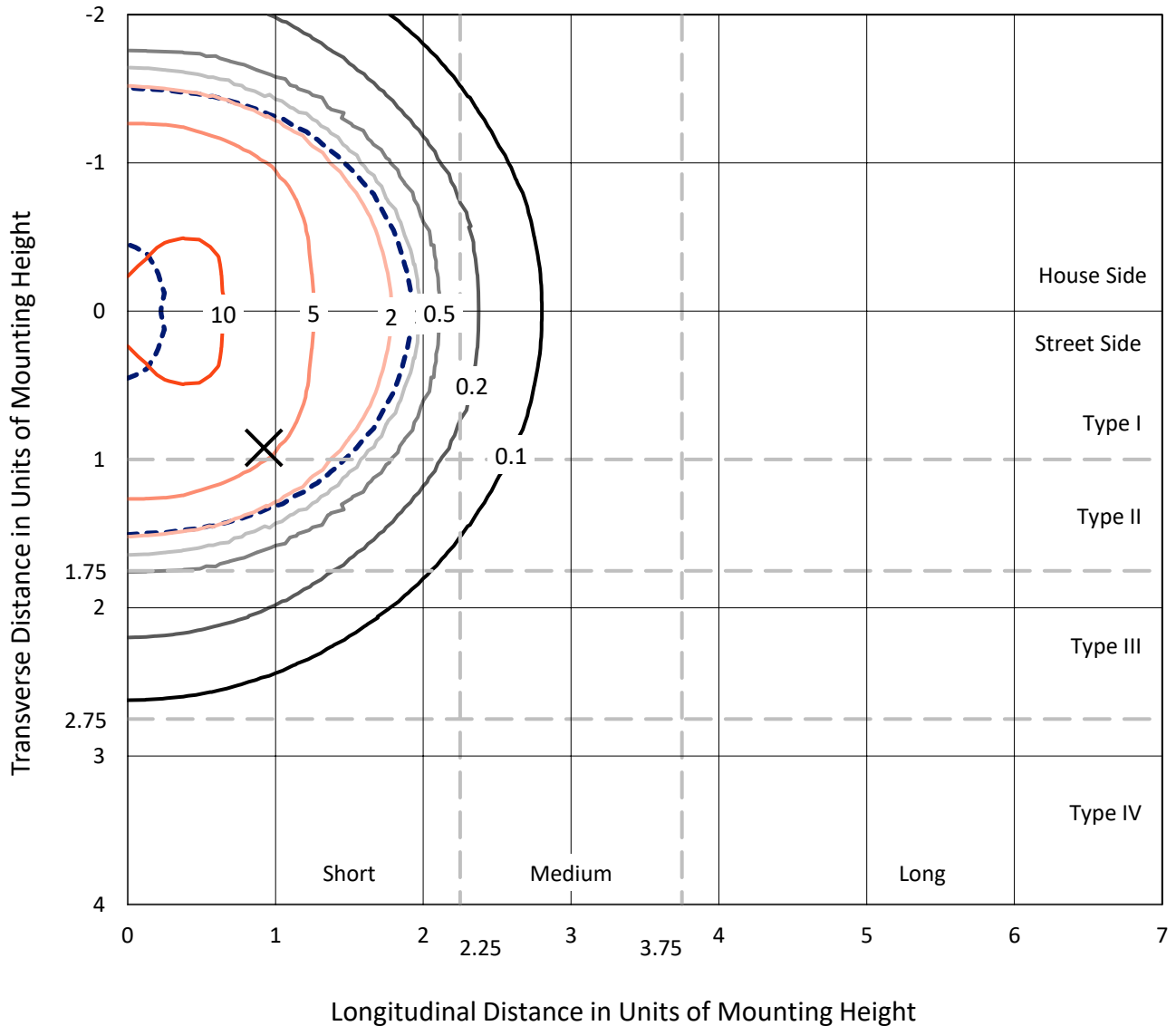
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

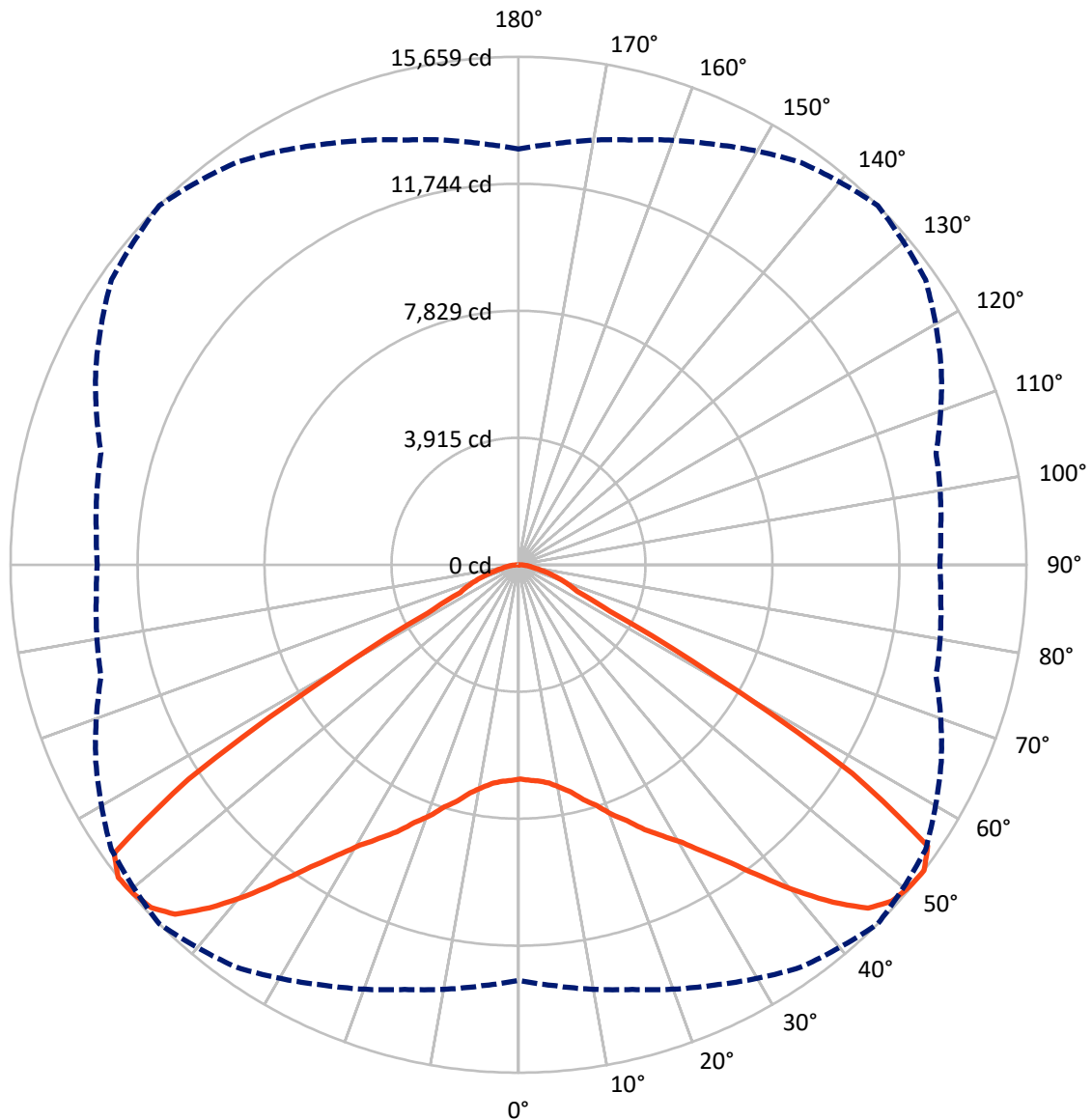
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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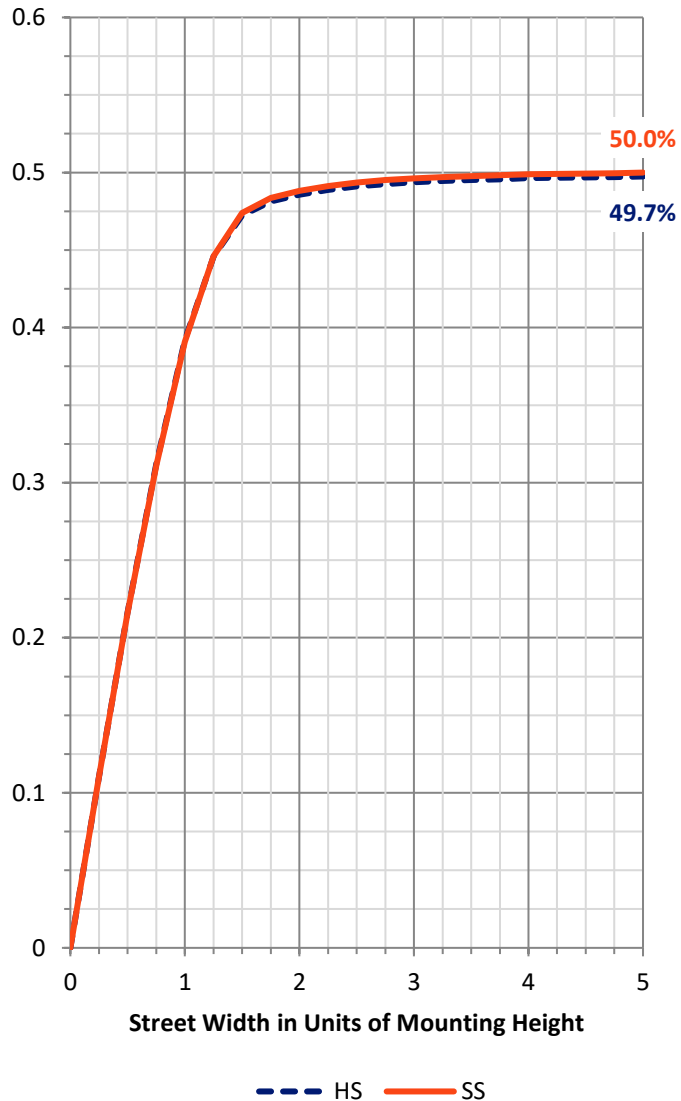
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 19764.5 | 0.0 | 19764.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 19764.5 | 0.0 | 19764.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 39529.0 | 0.0 | 39529.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 649.2 | 1.6 |
| 10°-20° | 2133.2 | 5.4 |
| 20°-30° | 4061.3 | 10.3 |
| 30°-40° | 6973.6 | 17.6 |
| 40°-50° | 10718.6 | 27.1 |
| 50°-60° | 10884.6 | 27.5 |
| 60°-70° | 3033.4 | 7.7 |
| 70°-80° | 894.8 | 2.3 |
| 80°-90° | 180.2 | 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° | 39529.0 | 100.0 |
| 0°-180° | 39529.0 | 100.0 |

Coefficient of Utilization

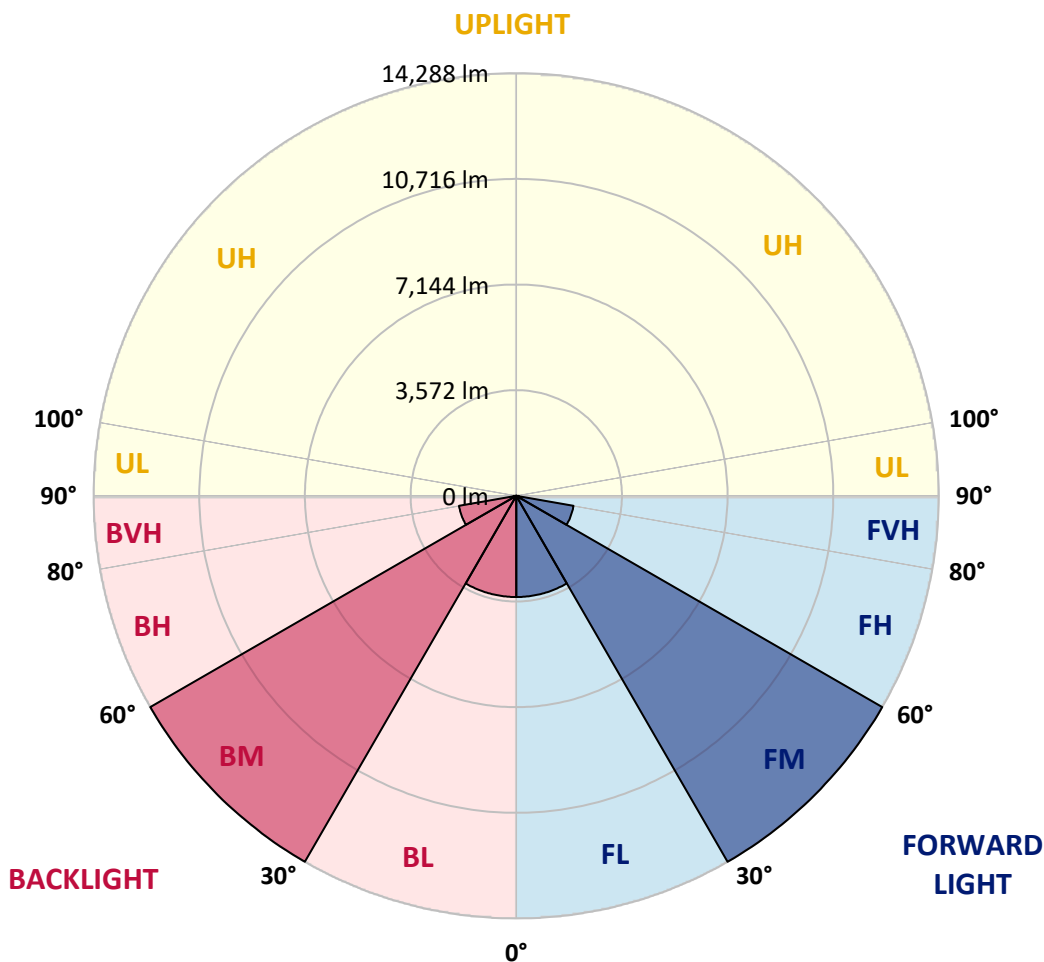


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3421.9 | 8.7 | | | |
| FM (30°-60°) | 14288.4 | 36.1 | | | |
| FH (60°-80°) | 1964.1 | 5.0 | | | G2/5000 |
| FVH (80°-90°) | 90.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 3421.9 | 8.7 | B4/5000 | | |
| BM (30°-60°) | 14288.4 | 36.1 | B5 | | |
| BH (60°-80°) | 1964.1 | 5.0 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 90.1 | 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-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 | 6607.8 |
| 2.5° | 6622.5 | 6553.8 | 6578.4 | 6593.1 | 6656.8 | 6651.9 | 6637.2 | 6656.8 | 6676.5 | 6681.4 | 6671.6 |
| 5° | 6617.6 | 6568.5 | 6588.2 | 6602.9 | 6666.7 | 6701.0 | 6691.2 | 6774.6 | 6833.4 | 6818.7 | 6892.3 |
| 7.5° | 6578.4 | 6607.8 | 6583.3 | 6656.8 | 6710.8 | 6794.2 | 6882.5 | 6961.0 | 7034.6 | 7118.0 | 7132.7 |
| 10° | 6666.7 | 6666.7 | 6710.8 | 6769.7 | 6911.9 | 6975.7 | 7103.3 | 7216.1 | 7358.3 | 7456.5 | 7417.2 |
| 12.5° | 6759.9 | 6774.6 | 6774.6 | 6926.7 | 7044.4 | 7186.6 | 7304.4 | 7456.5 | 7657.6 | 7775.3 | 7834.2 |
| 15° | 6853.1 | 6862.9 | 6911.9 | 7118.0 | 7294.6 | 7520.2 | 7628.2 | 7765.5 | 7878.3 | 8099.1 | 8104.0 |
| 17.5° | 6936.5 | 6990.4 | 7137.6 | 7368.2 | 7588.9 | 7804.8 | 7976.4 | 8118.7 | 8216.8 | 8305.1 | 8285.5 |
| 20° | 7250.4 | 7289.7 | 7441.7 | 7672.3 | 8001.0 | 8211.9 | 8270.8 | 8295.3 | 8359.1 | 8535.7 | 8481.7 |
| 22.5° | 7554.6 | 7569.3 | 7711.5 | 8064.7 | 8295.3 | 8574.9 | 8638.7 | 8624.0 | 8648.5 | 8692.7 | 8771.1 |
| 25° | 7868.5 | 7893.1 | 8089.3 | 8388.5 | 8712.3 | 9045.9 | 9099.8 | 8987.0 | 8952.7 | 9001.7 | 9006.6 |
| 27.5° | 8270.8 | 8275.7 | 8525.9 | 8785.9 | 9153.8 | 9467.7 | 9551.1 | 9462.8 | 9300.9 | 9340.2 | 9404.0 |
| 30° | 8781.0 | 8746.6 | 8996.8 | 9369.6 | 9757.2 | 9933.8 | 10076.0 | 10031.9 | 9855.3 | 9820.9 | 9767.0 |
| 32.5° | 9369.6 | 9379.4 | 9605.1 | 10012.3 | 10267.3 | 10561.7 | 10713.7 | 10640.2 | 10527.3 | 10468.5 | 10502.8 |
| 35° | 10198.7 | 10242.8 | 10394.9 | 10733.4 | 11145.4 | 11292.6 | 11533.0 | 11376.0 | 11081.7 | 11155.3 | 11219.0 |
| 37.5° | 10880.5 | 11008.1 | 11292.6 | 11694.9 | 11940.1 | 12209.9 | 12298.2 | 12087.3 | 11871.5 | 11783.2 | 11994.1 |
| 40° | 11925.4 | 11886.2 | 12200.1 | 12602.4 | 12965.4 | 13235.2 | 13122.4 | 12911.4 | 12376.7 | 12381.6 | 12440.5 |
| 42.5° | 12823.1 | 12842.8 | 13083.1 | 13563.9 | 14059.3 | 14226.1 | 13868.0 | 13352.9 | 12759.4 | 12695.6 | 12823.1 |
| 45° | 13578.6 | 13657.1 | 13794.4 | 14437.1 | 14922.7 | 15104.2 | 14442.0 | 13833.7 | 13039.0 | 12774.1 | 12985.0 |
| 47.5° | 13848.4 | 13975.9 | 14275.2 | 14863.9 | 15344.6 | 15491.8 | 14962.0 | 14088.8 | 13299.0 | 12867.3 | 12980.1 |
| 50° | 13887.6 | 13843.5 | 14334.1 | 14873.7 | 15295.5 | 15614.4 | 15148.4 | 14275.2 | 13235.2 | 13009.6 | 12975.2 |
| 52.5° | 12813.3 | 13029.2 | 13554.1 | 14294.8 | 15148.4 | 15658.6 | 15315.2 | 14378.2 | 13323.5 | 13068.4 | 12985.0 |
| 55° | 10370.4 | 10115.3 | 11071.9 | 12317.9 | 13887.6 | 15305.4 | 15256.3 | 14432.2 | 13377.5 | 13166.5 | 13053.7 |
| 57.5° | 5788.6 | 5862.1 | 6401.8 | 7755.7 | 9781.7 | 12136.4 | 13563.9 | 13863.1 | 13352.9 | 13230.3 | 13289.2 |
| 60° | 2678.4 | 2703.0 | 2933.5 | 3566.3 | 4822.2 | 6882.5 | 8761.3 | 10669.6 | 11547.7 | 11724.3 | 11724.3 |
| 62.5° | 1996.6 | 1986.8 | 2045.6 | 2158.4 | 2423.3 | 3164.1 | 4223.7 | 5739.5 | 6946.3 | 7790.0 | 8010.8 |
| 65° | 1805.2 | 1800.3 | 1829.8 | 1869.0 | 1888.6 | 1991.7 | 2227.1 | 2693.2 | 3085.6 | 3311.3 | 3272.0 |
| 67.5° | 1579.6 | 1574.7 | 1584.5 | 1609.0 | 1643.4 | 1697.3 | 1756.2 | 1854.3 | 1991.7 | 1981.8 | 1957.3 |
| 70° | 1275.4 | 1275.4 | 1290.2 | 1309.8 | 1349.0 | 1412.8 | 1481.5 | 1550.2 | 1667.9 | 1692.4 | 1687.5 |
| 72.5° | 941.9 | 927.2 | 956.6 | 995.8 | 1035.1 | 1113.6 | 1187.1 | 1250.9 | 1334.3 | 1358.8 | 1349.0 |
| 75° | 598.5 | 608.3 | 627.9 | 672.1 | 740.7 | 794.7 | 873.2 | 927.2 | 981.1 | 1000.7 | 1005.6 |
| 77.5° | 333.6 | 343.4 | 377.7 | 431.7 | 500.4 | 559.2 | 627.9 | 672.1 | 706.4 | 711.3 | 716.2 |
| 80° | 201.1 | 206.0 | 240.4 | 289.4 | 348.3 | 412.1 | 466.0 | 510.2 | 539.6 | 524.9 | 520.0 |
| 82.5° | 122.6 | 127.5 | 157.0 | 201.1 | 250.2 | 299.2 | 358.1 | 397.4 | 426.8 | 407.2 | 387.5 |
| 85° | 63.8 | 68.7 | 93.2 | 122.6 | 161.9 | 186.4 | 186.4 | 166.8 | 161.9 | 152.1 | 147.2 |
| 87.5° | 19.6 | 19.6 | 24.5 | 29.4 | 24.5 | 29.4 | 34.3 | 39.2 | 39.2 | 44.2 | 39.2 |
| 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)