

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: P532252

Luminaire Tested: **GLAN-SA7C-760-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-760-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43222 lumens
Efficiency: N/A
Efficacy: 114.6 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

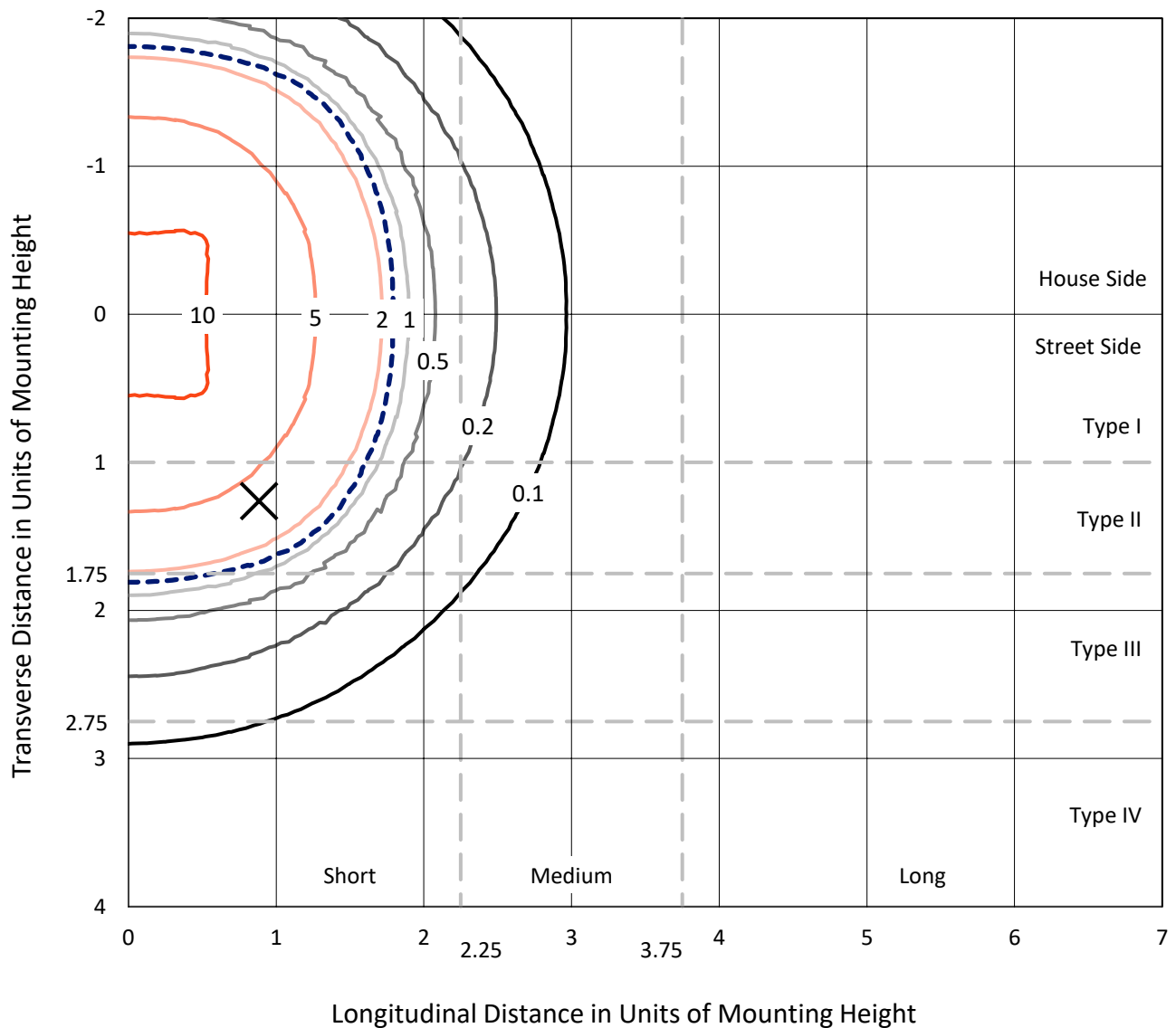
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

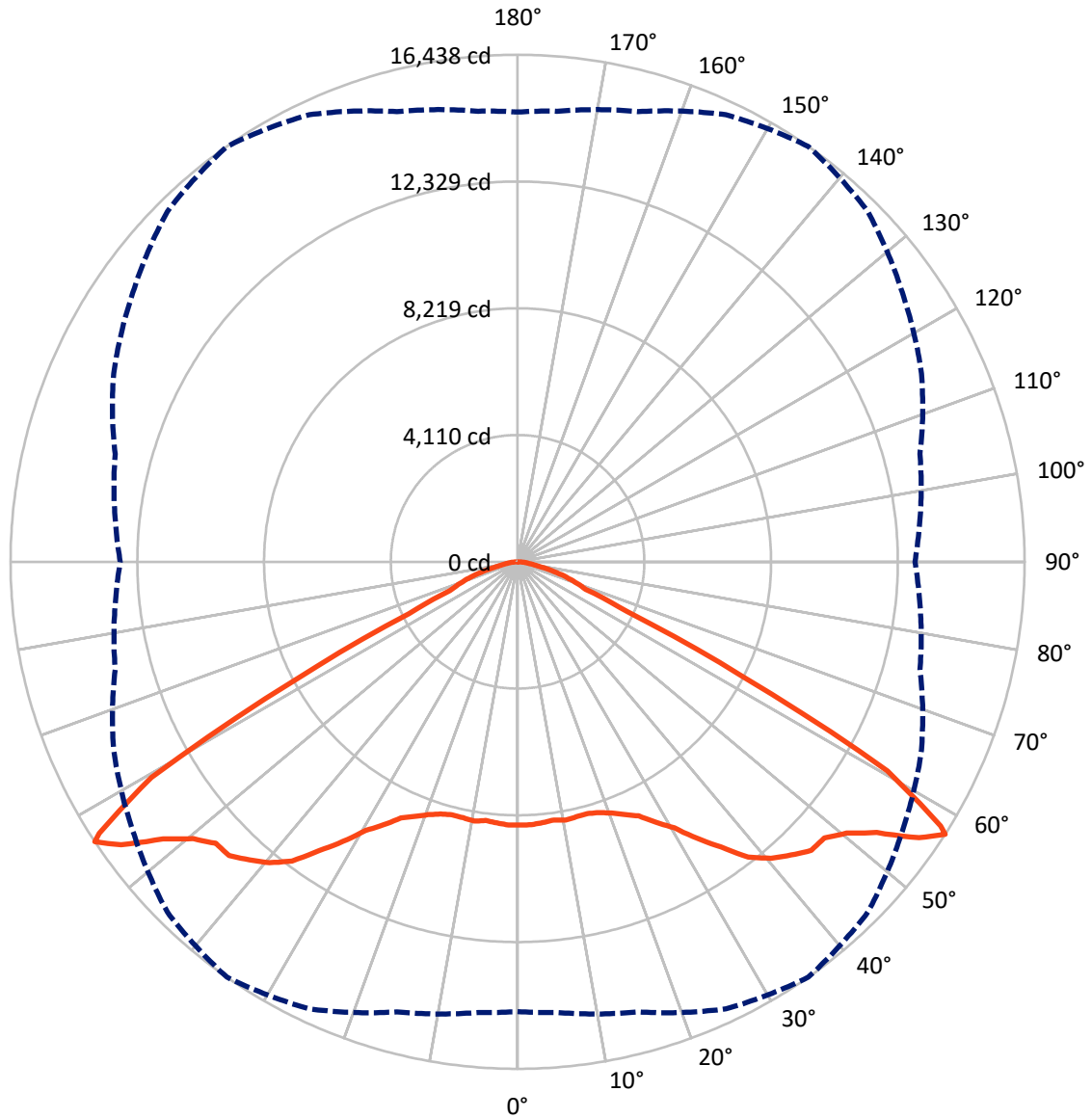
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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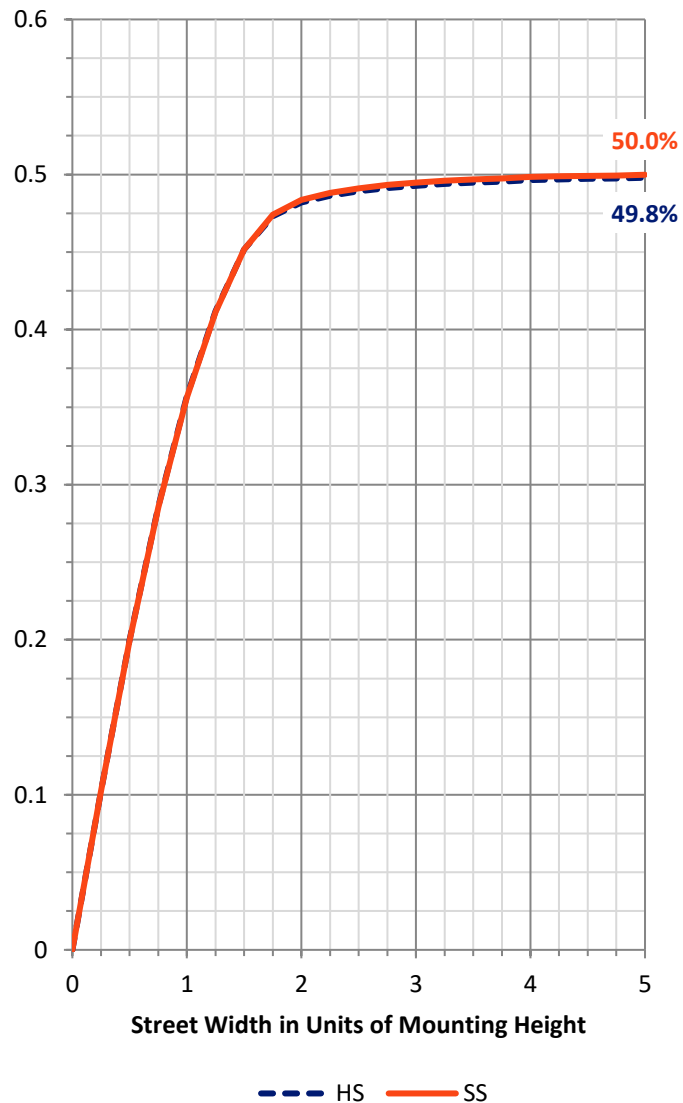
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 21611.0 | 0.0 | 21611.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 21611.0 | 0.0 | 21611.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 43222.0 | 0.0 | 43222.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 809.2 | 1.9 |
| 10°-20° | 2396.8 | 5.5 |
| 20°-30° | 4185.9 | 9.7 |
| 30°-40° | 6858.7 | 15.9 |
| 40°-50° | 10056.6 | 23.3 |
| 50°-60° | 12667.0 | 29.3 |
| 60°-70° | 4763.9 | 11.0 |
| 70°-80° | 1266.7 | 2.9 |
| 80°-90° | 217.2 | 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° | 43222.0 | 100.0 |
| 0°-180° | 43222.0 | 100.0 |

Coefficient of Utilization



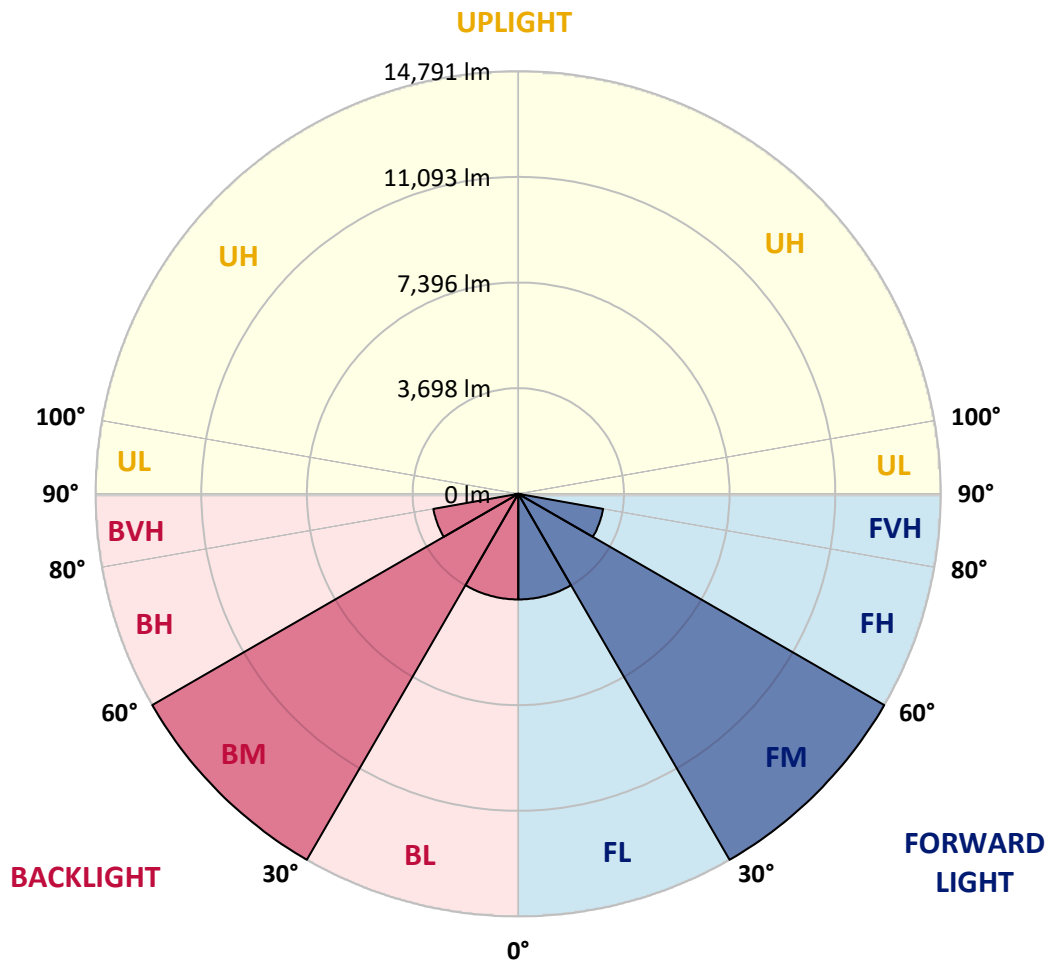
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3696.0 | 8.6 | | | |
| FM (30°-60°) | 14791.1 | 34.2 | | | |
| FH (60°-80°) | 3015.3 | 7.0 | | | G2/5000 |
| FVH (80°-90°) | 108.6 | 0.3 | | | G2/225 |
| BL (0°-30°) | 3696.0 | 8.6 | B4/5000 | | |
| BM (30°-60°) | 14791.1 | 34.2 | B5 | | |
| BH (60°-80°) | 3015.3 | 7.0 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 108.6 | 0.3 | | | G2/225 |
| 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° | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 | 8536.0 |
| 2.5° | 8493.4 | 8578.6 | 8541.4 | 8520.1 | 8536.0 | 8509.4 | 8466.8 | 8514.7 | 8504.1 | 8461.5 | 8445.5 |
| 5° | 8472.1 | 8536.0 | 8493.4 | 8536.0 | 8493.4 | 8568.0 | 8546.7 | 8466.8 | 8562.7 | 8472.1 | 8504.1 |
| 7.5° | 8456.2 | 8477.5 | 8488.1 | 8466.8 | 8450.8 | 8541.4 | 8493.4 | 8456.2 | 8402.9 | 8386.9 | 8413.6 |
| 10° | 8418.9 | 8472.1 | 8392.3 | 8498.8 | 8520.1 | 8456.2 | 8456.2 | 8386.9 | 8344.3 | 8317.7 | 8408.2 |
| 12.5° | 8514.7 | 8424.2 | 8413.6 | 8466.8 | 8482.8 | 8509.4 | 8434.9 | 8397.6 | 8317.7 | 8328.4 | 8312.4 |
| 15° | 8402.9 | 8440.2 | 8445.5 | 8456.2 | 8472.1 | 8536.0 | 8466.8 | 8386.9 | 8355.0 | 8243.1 | 8253.8 |
| 17.5° | 8445.5 | 8408.2 | 8445.5 | 8568.0 | 8546.7 | 8594.6 | 8520.1 | 8397.6 | 8323.0 | 8259.1 | 8344.3 |
| 20° | 8520.1 | 8504.1 | 8520.1 | 8669.2 | 8695.8 | 8738.4 | 8674.5 | 8562.7 | 8418.9 | 8344.3 | 8386.9 |
| 22.5° | 8599.9 | 8589.3 | 8599.9 | 8743.7 | 8898.1 | 8951.4 | 8887.5 | 8626.6 | 8552.0 | 8413.6 | 8365.6 |
| 25° | 8743.7 | 8754.4 | 8866.2 | 9025.9 | 9127.1 | 9228.3 | 9111.1 | 8924.8 | 8685.1 | 8599.9 | 8498.8 |
| 27.5° | 9063.2 | 9089.8 | 9153.7 | 9388.0 | 9563.8 | 9654.3 | 9489.2 | 9233.6 | 9084.5 | 8908.8 | 8882.2 |
| 30° | 9457.3 | 9457.3 | 9569.1 | 9771.4 | 10011.1 | 10149.5 | 9947.2 | 9643.6 | 9462.6 | 9366.7 | 9308.2 |
| 32.5° | 9979.1 | 9920.5 | 9963.1 | 10319.9 | 10692.7 | 10809.8 | 10538.2 | 10165.5 | 9877.9 | 9750.1 | 9707.5 |
| 35° | 10426.4 | 10463.7 | 10559.5 | 10942.9 | 11358.3 | 11629.9 | 11203.9 | 10719.3 | 10426.4 | 10309.3 | 10288.0 |
| 37.5° | 11006.8 | 11070.7 | 11118.7 | 11645.8 | 12146.4 | 12247.6 | 11837.5 | 11448.8 | 11092.0 | 10996.2 | 10942.9 |
| 40° | 11826.9 | 11784.3 | 11800.3 | 12189.0 | 12641.6 | 12705.5 | 12300.8 | 12023.9 | 11731.0 | 11672.5 | 11672.5 |
| 42.5° | 12503.2 | 12455.3 | 12508.5 | 12652.3 | 12998.4 | 12950.5 | 12726.8 | 12524.5 | 12402.0 | 12338.1 | 12402.0 |
| 45° | 12913.2 | 12902.6 | 12998.4 | 13104.9 | 13349.9 | 13190.1 | 13014.4 | 13046.3 | 12929.2 | 12822.7 | 12817.4 |
| 47.5° | 13360.5 | 13291.3 | 13408.4 | 13568.2 | 13381.8 | 13307.3 | 13296.6 | 13365.8 | 13328.6 | 13142.2 | 13083.6 |
| 50° | 13578.8 | 13552.2 | 13738.6 | 13925.0 | 13823.8 | 13653.4 | 13690.7 | 13802.5 | 13323.2 | 13073.0 | 12929.2 |
| 52.5° | 14164.6 | 14169.9 | 14526.7 | 14627.9 | 14585.3 | 14335.0 | 14414.9 | 14111.3 | 13546.9 | 13195.4 | 13211.4 |
| 55° | 15085.8 | 15048.5 | 15447.9 | 15746.1 | 15794.0 | 15474.5 | 15091.1 | 14665.1 | 13956.9 | 13600.1 | 13493.6 |
| 57° | 14579.9 | 14665.1 | 15107.1 | 15991.1 | 16438.4 | 16060.3 | 15224.3 | 14446.8 | 13504.3 | 13073.0 | 12881.3 |
| 57.5° | 13903.7 | 14042.1 | 14808.9 | 15698.2 | 16166.8 | 16134.8 | 15059.2 | 14042.1 | 13200.8 | 12529.8 | 12545.8 |
| 60° | 10186.8 | 10213.4 | 10905.7 | 12316.8 | 13781.2 | 13813.1 | 12503.2 | 11155.9 | 10218.7 | 9489.2 | 9590.4 |
| 62.5° | 5373.0 | 5495.4 | 5772.3 | 6906.6 | 8173.9 | 8482.8 | 7689.3 | 6997.1 | 6187.7 | 5633.9 | 5687.1 |
| 65° | 2843.6 | 2827.6 | 2960.7 | 3280.2 | 3903.2 | 4063.0 | 3956.5 | 3408.0 | 3125.8 | 3035.3 | 3040.6 |
| 67.5° | 2311.1 | 2337.7 | 2321.7 | 2337.7 | 2380.3 | 2449.5 | 2433.5 | 2454.8 | 2470.8 | 2497.4 | 2492.1 |
| 70° | 1959.6 | 1959.6 | 1970.3 | 1975.6 | 1975.6 | 2007.5 | 2044.8 | 2114.0 | 2119.4 | 2146.0 | 2156.6 |
| 72.5° | 1544.3 | 1533.6 | 1549.6 | 1586.9 | 1592.2 | 1618.8 | 1672.1 | 1714.7 | 1730.6 | 1730.6 | 1698.7 |
| 75° | 1049.0 | 1059.7 | 1081.0 | 1112.9 | 1144.9 | 1192.8 | 1235.4 | 1262.0 | 1272.7 | 1256.7 | 1240.7 |
| 77.5° | 591.1 | 601.7 | 617.7 | 665.6 | 702.9 | 745.5 | 793.4 | 820.1 | 846.7 | 852.0 | 820.1 |
| 80° | 351.5 | 351.5 | 378.1 | 415.4 | 458.0 | 500.6 | 543.2 | 575.1 | 585.8 | 585.8 | 569.8 |
| 82.5° | 213.0 | 218.3 | 239.6 | 276.9 | 314.2 | 340.8 | 378.1 | 404.7 | 426.0 | 420.7 | 410.0 |
| 85° | 111.8 | 111.8 | 133.1 | 165.1 | 191.7 | 218.3 | 218.3 | 202.4 | 191.7 | 165.1 | 154.4 |
| 87.5° | 37.3 | 32.0 | 42.6 | 42.6 | 37.3 | 42.6 | 42.6 | 47.9 | 47.9 | 47.9 | 47.9 |
| 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)