

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: P530956

Luminaire Tested: **GLAN-SA6B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23940 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

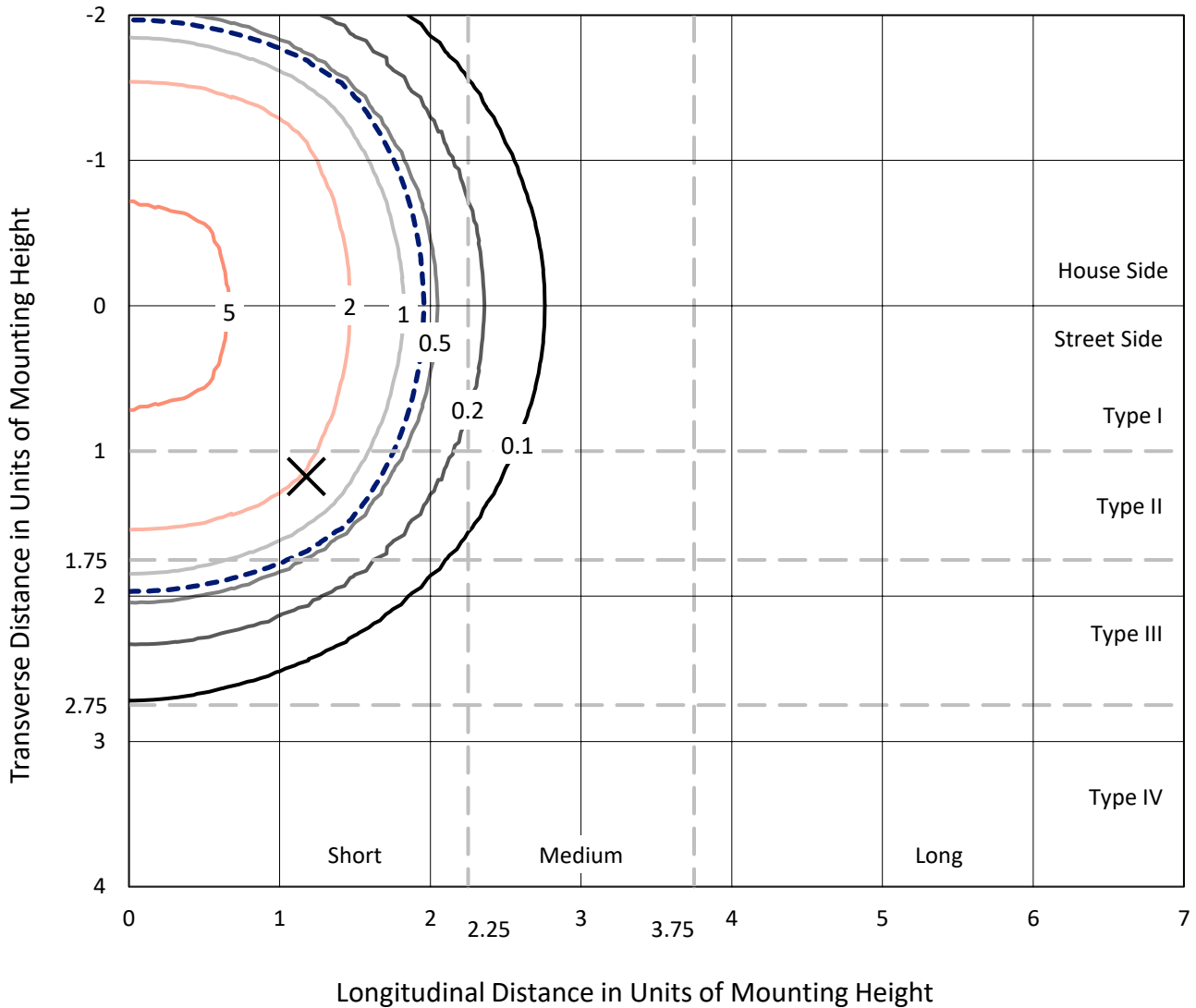
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

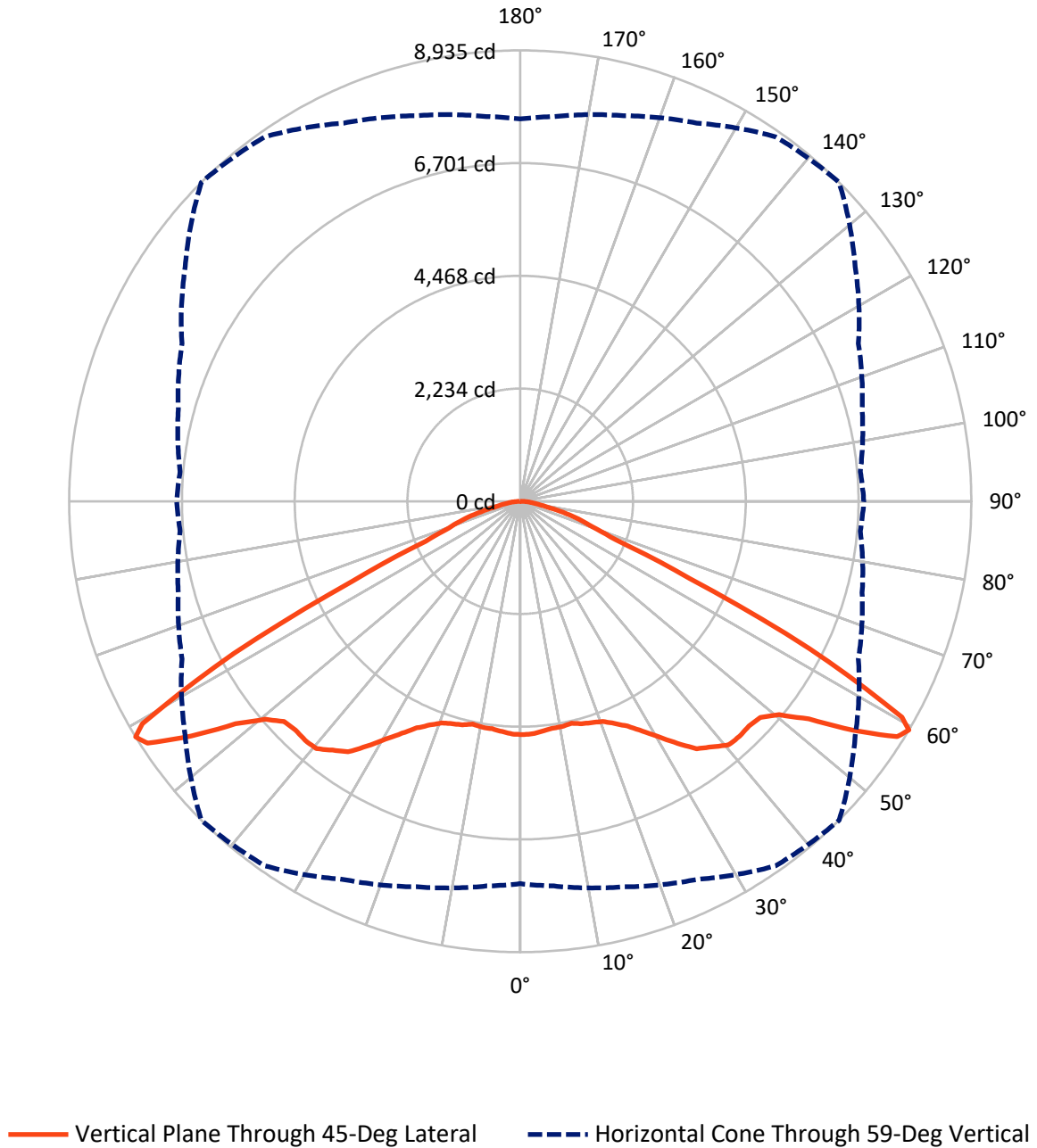
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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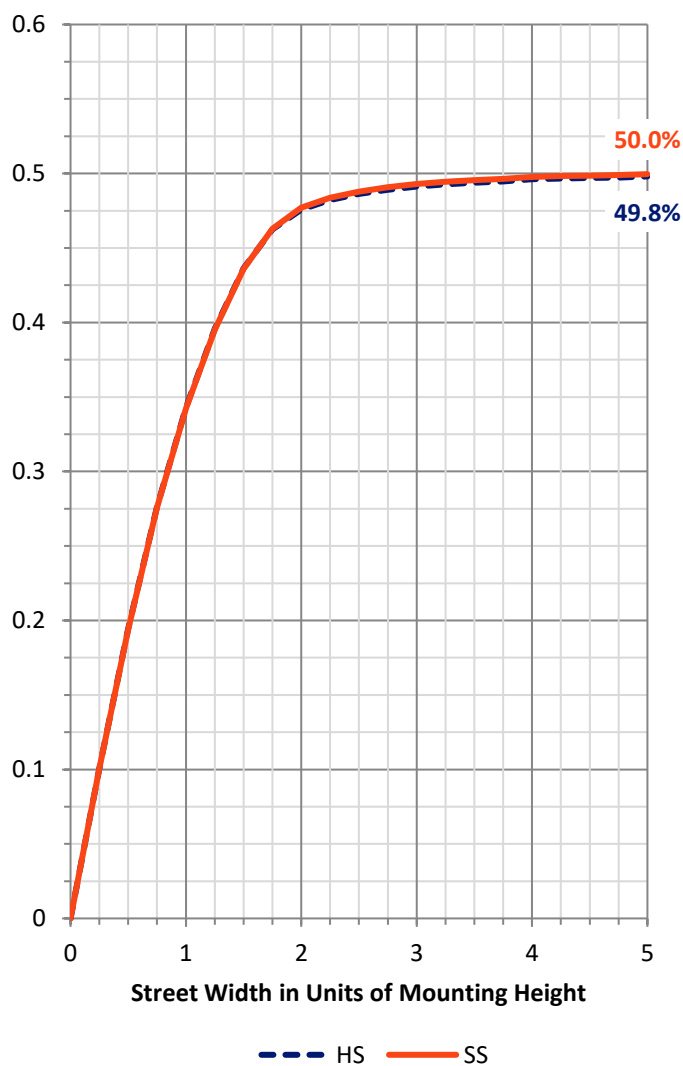
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11970.0 | 0.0 | 11970.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 11970.0 | 0.0 | 11970.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 23940.0 | 0.0 | 23940.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 435.9 | 1.8 |
| 10°-20° | 1296.3 | 5.4 |
| 20°-30° | 2263.5 | 9.5 |
| 30°-40° | 3615.1 | 15.1 |
| 40°-50° | 4924.5 | 20.6 |
| 50°-60° | 6659.2 | 27.8 |
| 60°-70° | 3651.9 | 15.3 |
| 70°-80° | 934.3 | 3.9 |
| 80°-90° | 159.3 | 0.7 |
| 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° | 23940.0 | 100.0 |
| 0°-180° | 23940.0 | 100.0 |

Coefficient of Utilization



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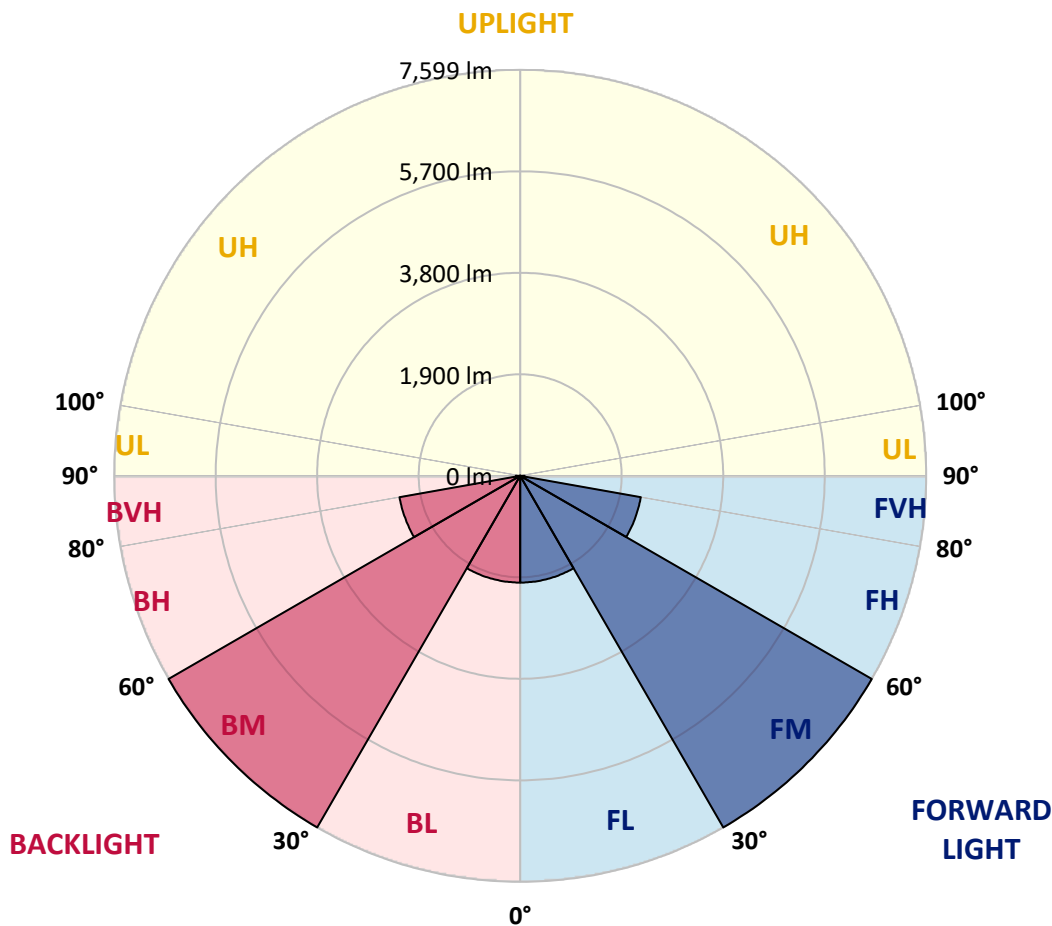
CATALOG NUMBER: GLAN-SA6B-727-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1997.8 | 8.3 | | | |
| FM (30°-60°) | 7599.4 | 31.7 | | | |
| FH (60°-80°) | 2293.1 | 9.6 | | | G2/5000 |
| FVH (80°-90°) | 79.7 | 0.3 | | | G1/100 |
| BL (0°-30°) | 1997.8 | 8.3 | B3/2500 | | |
| BM (30°-60°) | 7599.4 | 31.7 | B4/8500 | | |
| BH (60°-80°) | 2293.1 | 9.6 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 79.7 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 | 4624.1 |
| 2.5° | 4596.4 | 4630.2 | 4605.7 | 4627.1 | 4624.1 | 4614.9 | 4599.5 | 4590.3 | 4578.0 | 4596.4 | 4565.8 |
| 5° | 4578.0 | 4605.7 | 4633.3 | 4596.4 | 4596.4 | 4578.0 | 4568.8 | 4550.4 | 4550.4 | 4547.4 | 4544.3 |
| 7.5° | 4608.7 | 4581.1 | 4568.8 | 4575.0 | 4581.1 | 4541.2 | 4568.8 | 4532.0 | 4501.3 | 4522.8 | 4547.4 |
| 10° | 4581.1 | 4593.4 | 4547.4 | 4568.8 | 4535.1 | 4541.2 | 4522.8 | 4547.4 | 4513.6 | 4513.6 | 4513.6 |
| 12.5° | 4608.7 | 4575.0 | 4590.3 | 4575.0 | 4565.8 | 4513.6 | 4538.1 | 4510.5 | 4507.5 | 4538.1 | 4510.5 |
| 15° | 4664.0 | 4608.7 | 4596.4 | 4565.8 | 4575.0 | 4575.0 | 4550.4 | 4553.5 | 4519.7 | 4538.1 | 4544.3 |
| 17.5° | 4645.5 | 4614.9 | 4605.7 | 4568.8 | 4599.5 | 4608.7 | 4562.7 | 4532.0 | 4553.5 | 4550.4 | 4547.4 |
| 20° | 4660.9 | 4673.2 | 4664.0 | 4670.1 | 4682.4 | 4657.8 | 4614.9 | 4571.9 | 4544.3 | 4584.2 | 4581.1 |
| 22.5° | 4759.1 | 4746.8 | 4740.7 | 4734.5 | 4756.0 | 4780.6 | 4722.3 | 4654.7 | 4654.7 | 4682.4 | 4694.6 |
| 25° | 4838.9 | 4835.8 | 4832.7 | 4860.3 | 4934.0 | 4934.0 | 4860.3 | 4774.4 | 4752.9 | 4771.3 | 4756.0 |
| 27.5° | 4955.4 | 4989.2 | 4976.9 | 5026.0 | 5133.4 | 5158.0 | 5059.8 | 4958.5 | 4900.2 | 4878.7 | 4906.4 |
| 30° | 5222.4 | 5182.5 | 5191.7 | 5243.9 | 5339.0 | 5418.8 | 5268.4 | 5161.0 | 5081.3 | 5078.2 | 5090.5 |
| 32.5° | 5400.4 | 5431.0 | 5458.7 | 5507.8 | 5658.1 | 5719.5 | 5538.4 | 5363.5 | 5314.5 | 5286.8 | 5296.0 |
| 35° | 5756.3 | 5728.7 | 5722.5 | 5771.6 | 5922.0 | 6023.2 | 5796.2 | 5642.8 | 5578.3 | 5639.7 | 5639.7 |
| 37.5° | 6093.8 | 6017.1 | 5958.8 | 6023.2 | 6161.3 | 6173.6 | 5980.3 | 5897.4 | 5863.7 | 5934.3 | 5931.2 |
| 40° | 6253.4 | 6247.2 | 6112.2 | 6149.1 | 6333.2 | 6351.6 | 6170.5 | 6072.3 | 6066.2 | 6158.3 | 6250.3 |
| 42.5° | 6419.1 | 6360.8 | 6225.8 | 6250.3 | 6363.8 | 6370.0 | 6198.1 | 6170.5 | 6238.0 | 6327.0 | 6333.2 |
| 45° | 6446.7 | 6397.6 | 6311.7 | 6250.3 | 6333.2 | 6351.6 | 6250.3 | 6268.7 | 6274.9 | 6382.3 | 6382.3 |
| 47.5° | 6501.9 | 6495.8 | 6446.7 | 6400.7 | 6416.0 | 6400.7 | 6336.2 | 6363.8 | 6455.9 | 6508.1 | 6483.5 |
| 50° | 6655.3 | 6590.9 | 6640.0 | 6600.1 | 6603.2 | 6646.1 | 6587.8 | 6615.4 | 6597.0 | 6551.0 | 6520.3 |
| 52.5° | 6992.9 | 6962.2 | 7005.1 | 7032.7 | 7063.4 | 7161.6 | 7094.1 | 6946.8 | 6808.8 | 6686.0 | 6683.0 |
| 55° | 7486.9 | 7508.3 | 7591.2 | 7732.3 | 7852.0 | 8008.5 | 7683.2 | 7330.4 | 7109.5 | 6916.2 | 6928.4 |
| 57.5° | 7953.3 | 7937.9 | 8051.5 | 8373.6 | 8723.4 | 8803.2 | 8165.0 | 7661.8 | 7302.8 | 7180.0 | 7127.9 |
| 59° | 7578.9 | 7652.6 | 7910.3 | 8269.3 | 8818.6 | 8935.2 | 8100.5 | 7391.8 | 7011.3 | 6762.7 | 6805.7 |
| 60° | 6989.8 | 7017.4 | 7247.5 | 7747.7 | 8490.2 | 8689.7 | 7667.9 | 6974.4 | 6468.2 | 6324.0 | 6388.4 |
| 62.5° | 4940.1 | 4918.6 | 5084.3 | 5492.4 | 6158.3 | 6428.3 | 5701.1 | 5213.2 | 4894.1 | 4734.5 | 4771.3 |
| 65° | 2626.5 | 2724.7 | 2792.2 | 3046.9 | 3399.8 | 3685.1 | 3384.4 | 3172.7 | 2994.7 | 2862.8 | 2859.7 |
| 67.5° | 1773.5 | 1761.3 | 1776.6 | 1834.9 | 1954.6 | 2034.3 | 2028.2 | 1920.8 | 1905.5 | 1880.9 | 1908.5 |
| 70° | 1494.3 | 1488.2 | 1460.6 | 1460.6 | 1485.1 | 1503.5 | 1525.0 | 1537.3 | 1561.8 | 1592.5 | 1589.4 |
| 72.5° | 1212.0 | 1196.7 | 1178.3 | 1169.1 | 1199.7 | 1208.9 | 1236.6 | 1248.8 | 1270.3 | 1267.2 | 1294.9 |
| 75° | 800.8 | 800.8 | 822.3 | 846.9 | 856.1 | 874.5 | 877.6 | 914.4 | 914.4 | 920.5 | 896.0 |
| 77.5° | 448.0 | 435.7 | 451.1 | 475.6 | 497.1 | 530.8 | 564.6 | 592.2 | 607.5 | 601.4 | 601.4 |
| 80° | 260.8 | 260.8 | 276.2 | 303.8 | 331.4 | 362.1 | 386.6 | 408.1 | 423.4 | 417.3 | 405.0 |
| 82.5° | 162.6 | 162.6 | 178.0 | 205.6 | 227.1 | 245.5 | 279.2 | 306.8 | 325.2 | 319.1 | 303.8 |
| 85° | 82.8 | 82.8 | 101.3 | 119.7 | 147.3 | 159.6 | 156.5 | 144.2 | 141.1 | 125.8 | 125.8 |
| 87.5° | 21.5 | 21.5 | 30.7 | 33.8 | 27.6 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 33.8 |
| 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)