

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: P531055

Luminaire Tested: **GLAN-SA6B-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-750-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20250 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

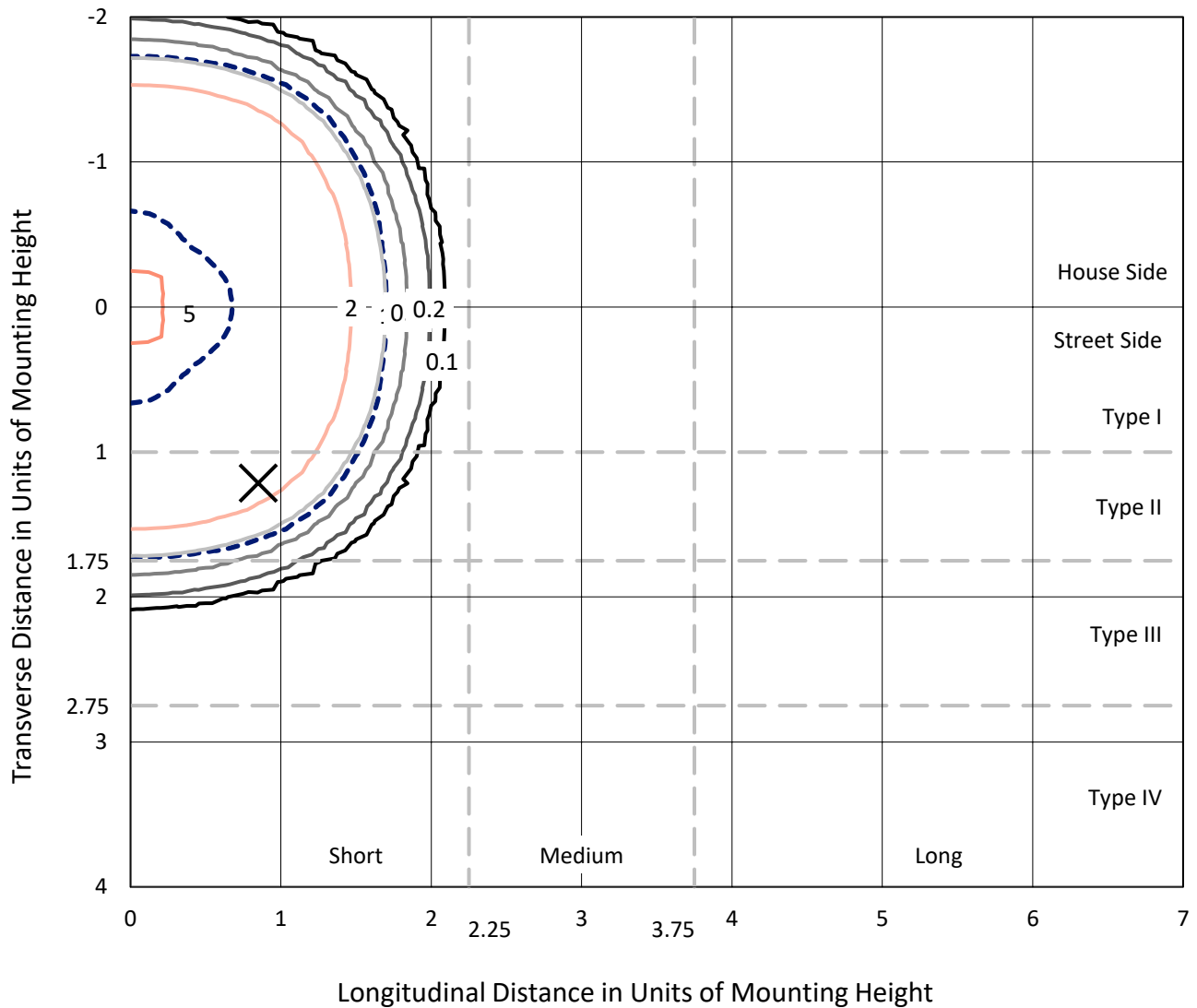
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

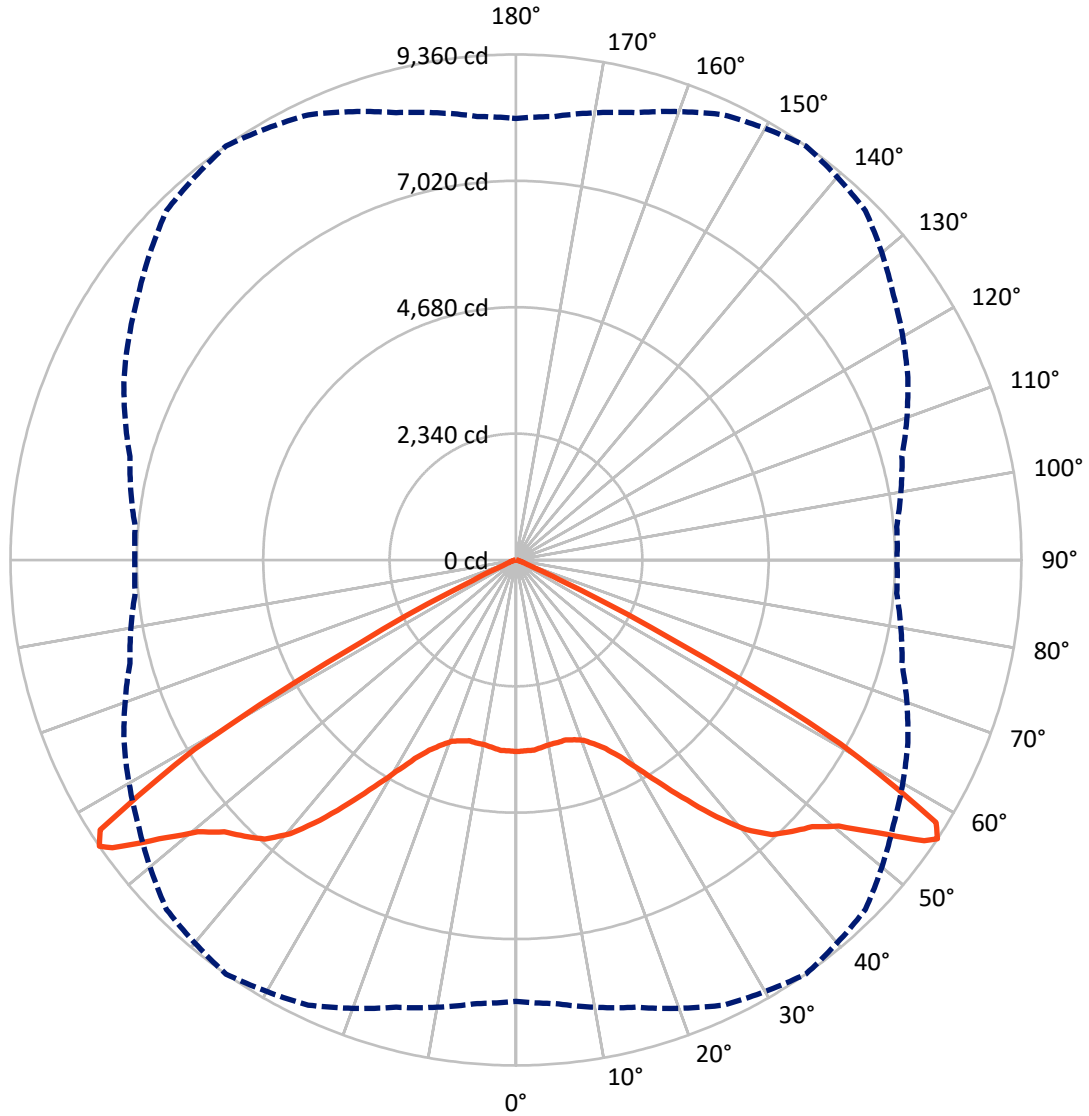
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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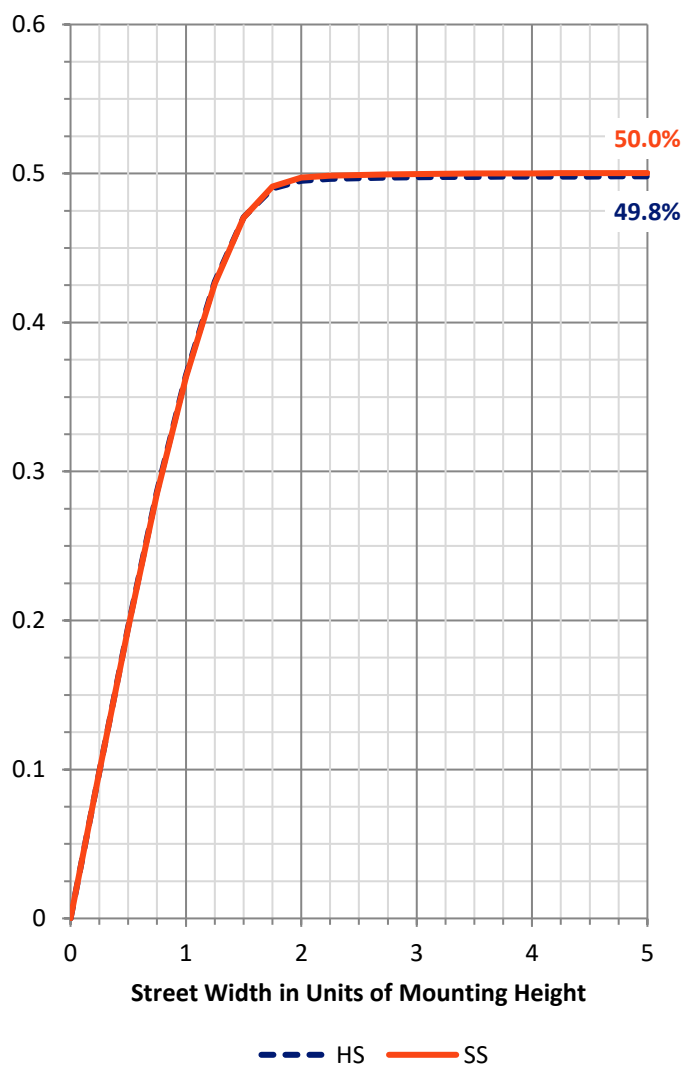
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10125.0 | 0.0 | 10125.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10125.0 | 0.0 | 10125.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 20250.0 | 0.0 | 20250.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 333.5 | 1.6 |
| 10°-20° | 973.6 | 4.8 |
| 20°-30° | 1763.1 | 8.7 |
| 30°-40° | 3269.3 | 16.1 |
| 40°-50° | 5366.4 | 26.5 |
| 50°-60° | 6913.5 | 34.1 |
| 60°-70° | 1523.7 | 7.5 |
| 70°-80° | 88.4 | 0.4 |
| 80°-90° | 18.6 | 0.1 |
| 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° | 20250.0 | 100.0 |
| 0°-180° | 20250.0 | 100.0 |

Coefficient of Utilization



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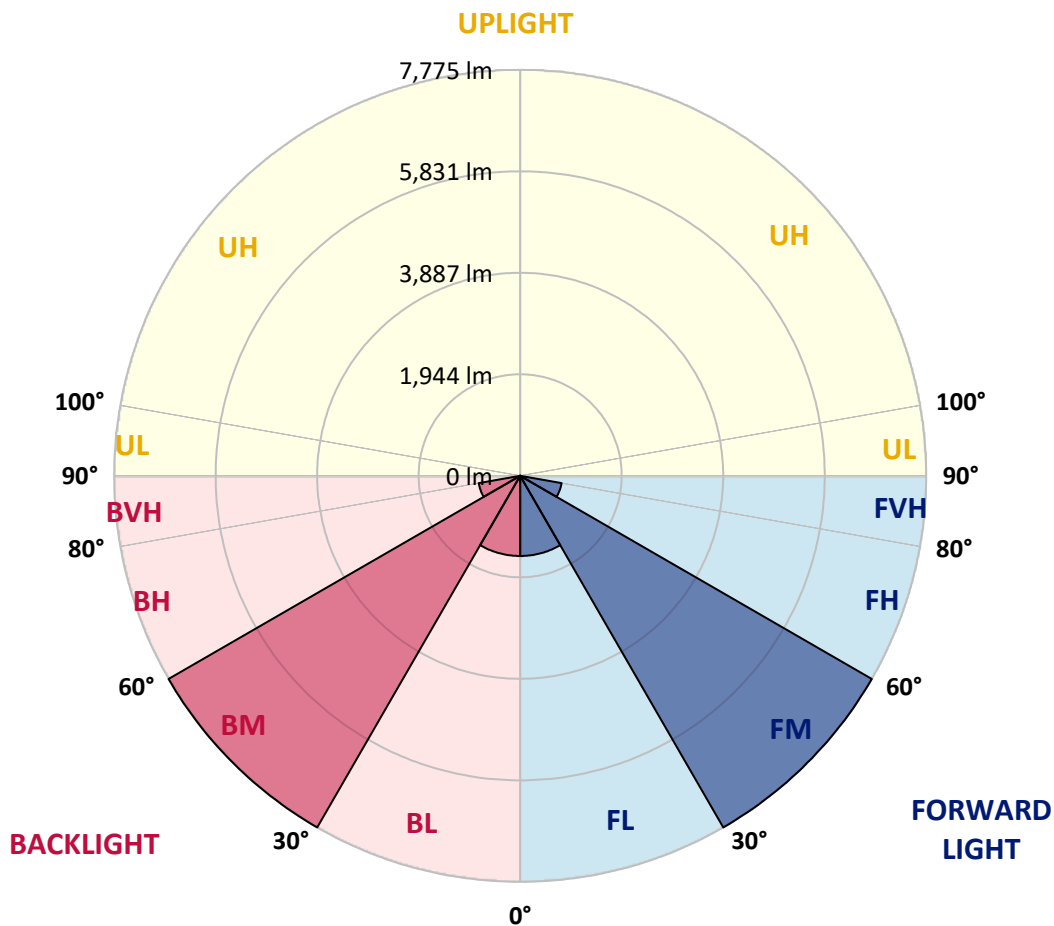
CATALOG NUMBER: GLAN-SA6B-750-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1535.1 | 7.6 | | | |
| FM (30°-60°) | 7774.6 | 38.4 | | | |
| FH (60°-80°) | 806.0 | 4.0 | | | G1/1800 |
| FVH (80°-90°) | 9.3 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1535.1 | 7.6 | B3/2500 | | |
| BM (30°-60°) | 7774.6 | 38.4 | B4/8500 | | |
| BH (60°-80°) | 806.0 | 4.0 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 9.3 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 | 3548.2 |
| 2.5° | 3555.6 | 3555.6 | 3559.2 | 3562.9 | 3537.2 | 3526.2 | 3529.9 | 3522.6 | 3518.9 | 3529.9 | 3529.9 |
| 5° | 3544.6 | 3544.6 | 3533.6 | 3537.2 | 3537.2 | 3504.2 | 3504.2 | 3511.5 | 3511.5 | 3489.5 | 3482.2 |
| 7.5° | 3515.2 | 3507.9 | 3493.2 | 3511.5 | 3500.5 | 3500.5 | 3474.8 | 3456.5 | 3449.2 | 3463.8 | 3449.2 |
| 10° | 3452.8 | 3456.5 | 3471.2 | 3478.5 | 3471.2 | 3493.2 | 3449.2 | 3423.5 | 3397.8 | 3386.8 | 3386.8 |
| 12.5° | 3423.5 | 3445.5 | 3423.5 | 3441.8 | 3467.5 | 3449.2 | 3423.5 | 3405.1 | 3368.4 | 3353.8 | 3353.8 |
| 15° | 3419.8 | 3434.5 | 3441.8 | 3467.5 | 3456.5 | 3463.8 | 3412.5 | 3390.5 | 3335.4 | 3309.7 | 3298.7 |
| 17.5° | 3416.1 | 3434.5 | 3445.5 | 3493.2 | 3500.5 | 3504.2 | 3463.8 | 3397.8 | 3350.1 | 3324.4 | 3298.7 |
| 20° | 3456.5 | 3463.8 | 3485.9 | 3533.6 | 3562.9 | 3614.3 | 3540.9 | 3471.2 | 3368.4 | 3339.1 | 3328.1 |
| 22.5° | 3507.9 | 3544.6 | 3566.6 | 3618.0 | 3695.0 | 3739.0 | 3643.6 | 3555.6 | 3449.2 | 3412.5 | 3368.4 |
| 25° | 3673.0 | 3665.7 | 3702.3 | 3808.8 | 3871.1 | 3904.2 | 3827.1 | 3698.7 | 3559.2 | 3515.2 | 3522.6 |
| 27.5° | 3878.5 | 3885.8 | 3918.8 | 4036.3 | 4128.0 | 4179.4 | 4087.6 | 3918.8 | 3783.1 | 3709.7 | 3702.3 |
| 30° | 4146.3 | 4139.0 | 4175.7 | 4333.5 | 4498.6 | 4575.6 | 4414.2 | 4216.1 | 4084.0 | 3988.6 | 4010.6 |
| 32.5° | 4428.9 | 4432.5 | 4535.3 | 4678.4 | 4946.2 | 5096.7 | 4836.2 | 4594.0 | 4395.8 | 4329.8 | 4296.8 |
| 35° | 4847.2 | 4865.5 | 4946.2 | 5166.4 | 5463.6 | 5658.1 | 5371.9 | 5082.0 | 4854.5 | 4733.4 | 4748.1 |
| 37.5° | 5364.6 | 5346.2 | 5482.0 | 5720.5 | 6032.4 | 6175.5 | 5933.3 | 5603.1 | 5371.9 | 5291.2 | 5342.5 |
| 40° | 5914.9 | 5933.3 | 6003.0 | 6219.5 | 6568.1 | 6663.5 | 6303.9 | 6124.1 | 5922.3 | 5881.9 | 5944.3 |
| 42.5° | 6465.3 | 6454.3 | 6505.7 | 6700.2 | 6953.4 | 6887.3 | 6674.5 | 6568.1 | 6425.0 | 6344.3 | 6428.7 |
| 45° | 6869.0 | 6850.6 | 6946.0 | 7078.1 | 7169.9 | 7045.1 | 6949.7 | 6913.0 | 6839.6 | 6751.6 | 6828.6 |
| 47.5° | 7261.6 | 7246.9 | 7338.6 | 7375.3 | 7382.7 | 7217.6 | 7235.9 | 7302.0 | 7118.5 | 6935.0 | 7023.1 |
| 50° | 7595.5 | 7569.8 | 7683.6 | 7764.3 | 7745.9 | 7481.7 | 7547.8 | 7481.7 | 7195.5 | 6979.1 | 6946.0 |
| 52.5° | 8153.2 | 8164.2 | 8285.3 | 8432.1 | 8388.1 | 8167.9 | 8072.5 | 7771.6 | 7404.7 | 7210.2 | 7096.5 |
| 55° | 8505.5 | 8450.5 | 8659.6 | 9125.6 | 9177.0 | 8949.5 | 8527.5 | 8083.5 | 7533.1 | 7294.6 | 7265.3 |
| 56° | 8175.3 | 8245.0 | 8575.2 | 9096.3 | 9360.4 | 9151.3 | 8538.5 | 8006.5 | 7401.0 | 7078.1 | 7056.1 |
| 57.5° | 7335.0 | 7298.3 | 7745.9 | 8457.8 | 9177.0 | 9088.9 | 8237.6 | 7456.1 | 6751.6 | 6388.3 | 6344.3 |
| 60° | 4564.6 | 4671.0 | 5063.7 | 5944.3 | 6905.7 | 6949.7 | 6105.8 | 5434.3 | 4612.3 | 4289.4 | 4366.5 |
| 62.5° | 1787.0 | 1695.2 | 1941.1 | 2597.9 | 3258.4 | 3405.1 | 3085.9 | 2564.9 | 2106.2 | 1787.0 | 1764.9 |
| 65° | 414.6 | 403.6 | 455.0 | 627.5 | 877.0 | 1016.4 | 965.0 | 693.5 | 510.0 | 484.4 | 447.7 |
| 67.5° | 234.8 | 234.8 | 223.8 | 223.8 | 245.8 | 260.5 | 249.5 | 245.8 | 256.9 | 267.9 | 264.2 |
| 70° | 165.1 | 161.5 | 154.1 | 157.8 | 150.4 | 150.4 | 161.5 | 179.8 | 194.5 | 194.5 | 198.1 |
| 72.5° | 99.1 | 99.1 | 99.1 | 110.1 | 110.1 | 110.1 | 121.1 | 135.8 | 139.4 | 135.8 | 132.1 |
| 75° | 44.0 | 44.0 | 51.4 | 62.4 | 69.7 | 73.4 | 84.4 | 91.7 | 99.1 | 91.7 | 84.4 |
| 77.5° | 11.0 | 11.0 | 18.3 | 25.7 | 33.0 | 40.4 | 55.0 | 66.0 | 69.7 | 66.0 | 55.0 |
| 80° | 3.7 | 3.7 | 7.3 | 18.3 | 33.0 | 40.4 | 55.0 | 58.7 | 62.4 | 55.0 | 44.0 |
| 82.5° | 3.7 | 3.7 | 7.3 | 18.3 | 25.7 | 33.0 | 44.0 | 51.4 | 55.0 | 47.7 | 44.0 |
| 85° | 0.0 | 3.7 | 7.3 | 14.7 | 22.0 | 29.4 | 29.4 | 22.0 | 18.3 | 11.0 | 14.7 |
| 87.5° | 0.0 | 0.0 | 3.7 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)