

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: P649948

Luminaire Tested: **GLAN-SA6A-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649948
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-SA6A-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 615mA 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: 12743.3 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

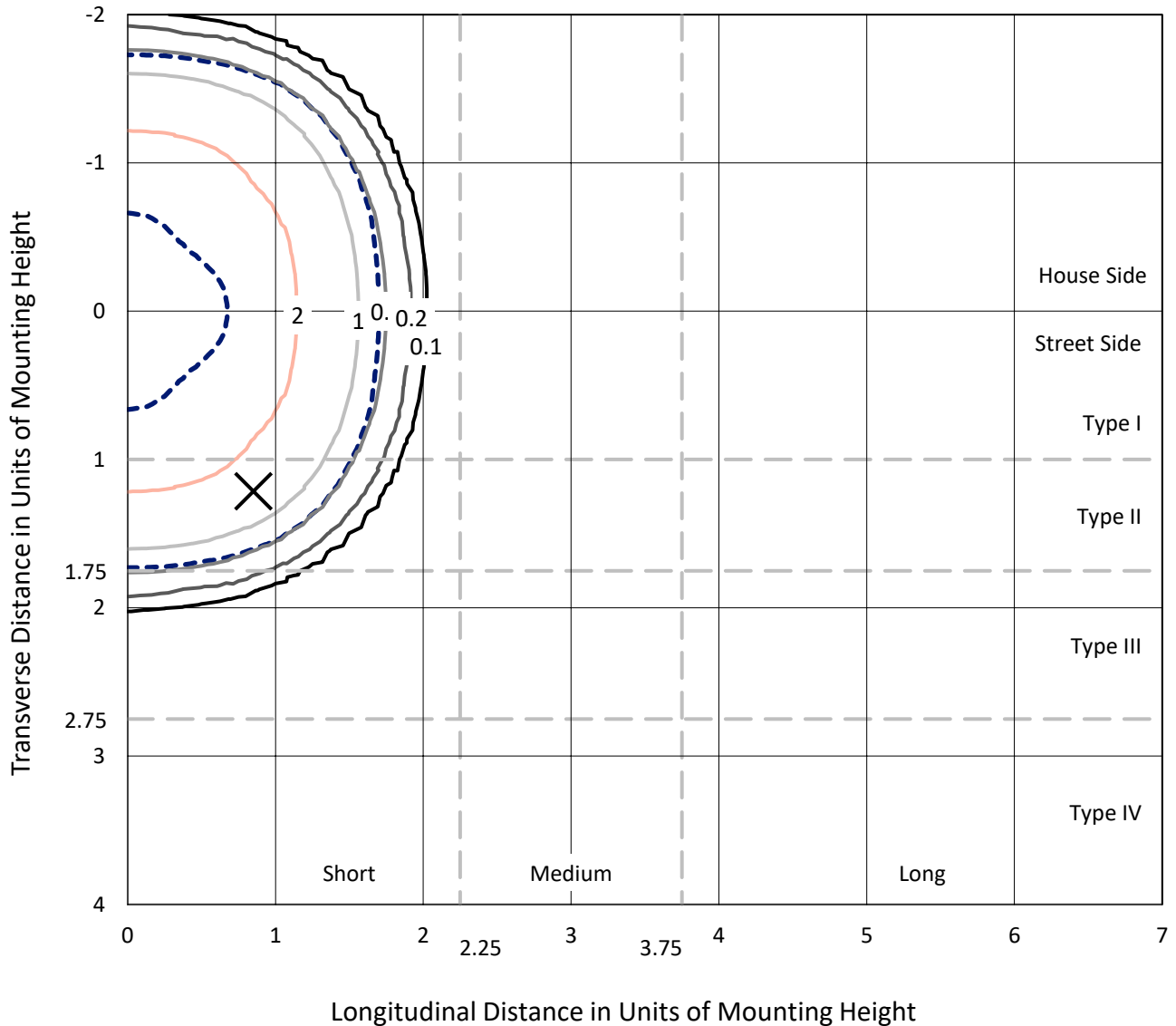
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

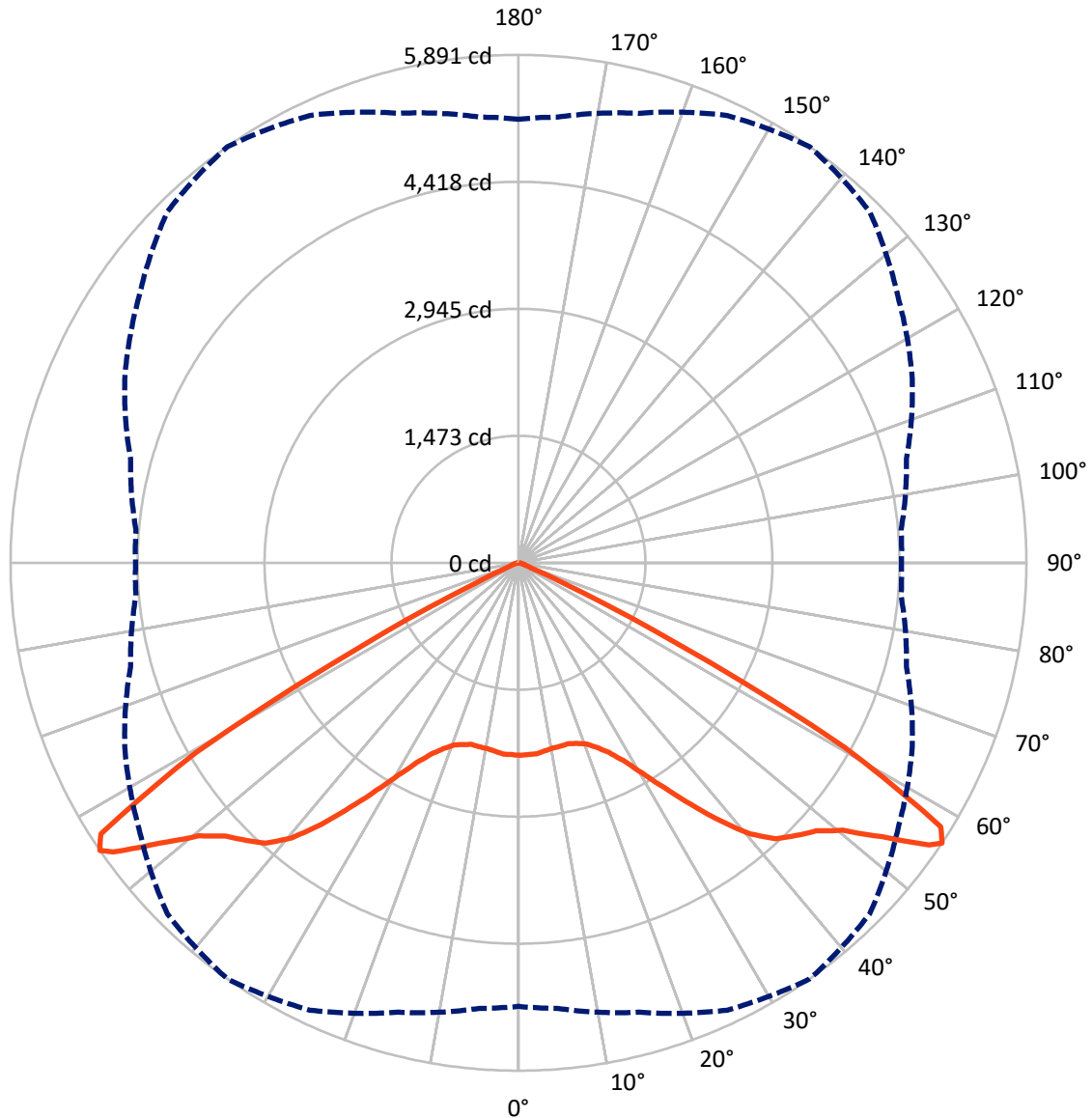
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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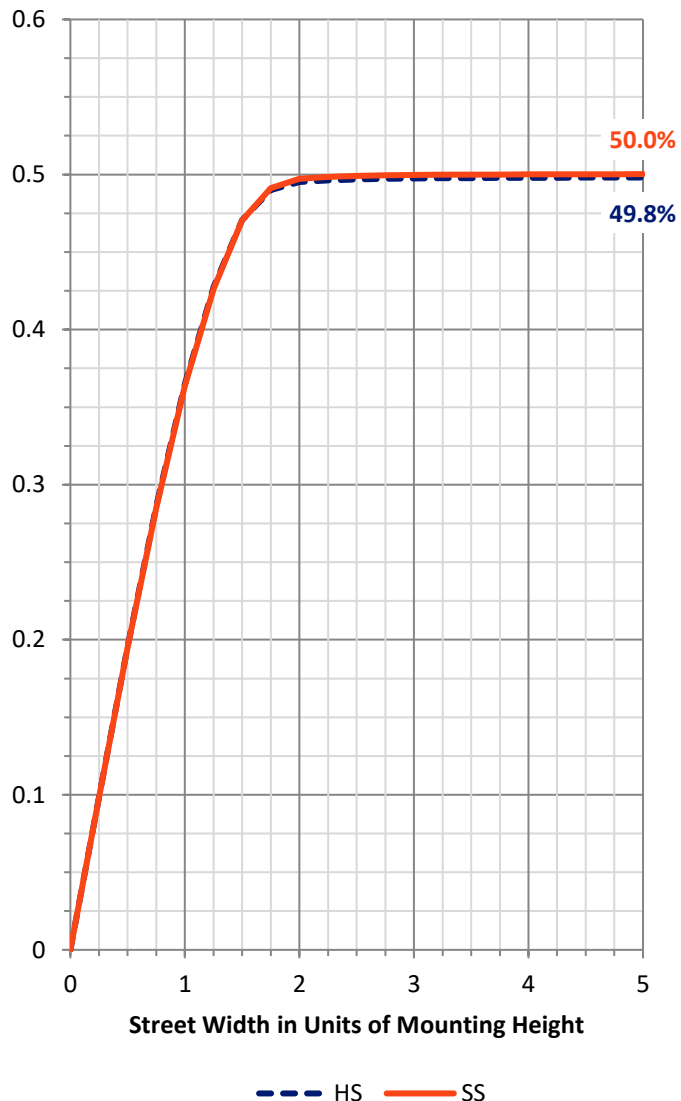
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6371.6 | 0.0 | 6371.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6371.6 | 0.0 | 6371.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12743.3 | 0.0 | 12743.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 209.9 | 1.6 |
| 10°-20° | 612.7 | 4.8 |
| 20°-30° | 1109.5 | 8.7 |
| 30°-40° | 2057.4 | 16.1 |
| 40°-50° | 3377.1 | 26.5 |
| 50°-60° | 4350.7 | 34.1 |
| 60°-70° | 958.8 | 7.5 |
| 70°-80° | 55.6 | 0.4 |
| 80°-90° | 11.7 | 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° | 12743.3 | 100.0 |
| 0°-180° | 12743.3 | 100.0 |

Coefficient of Utilization

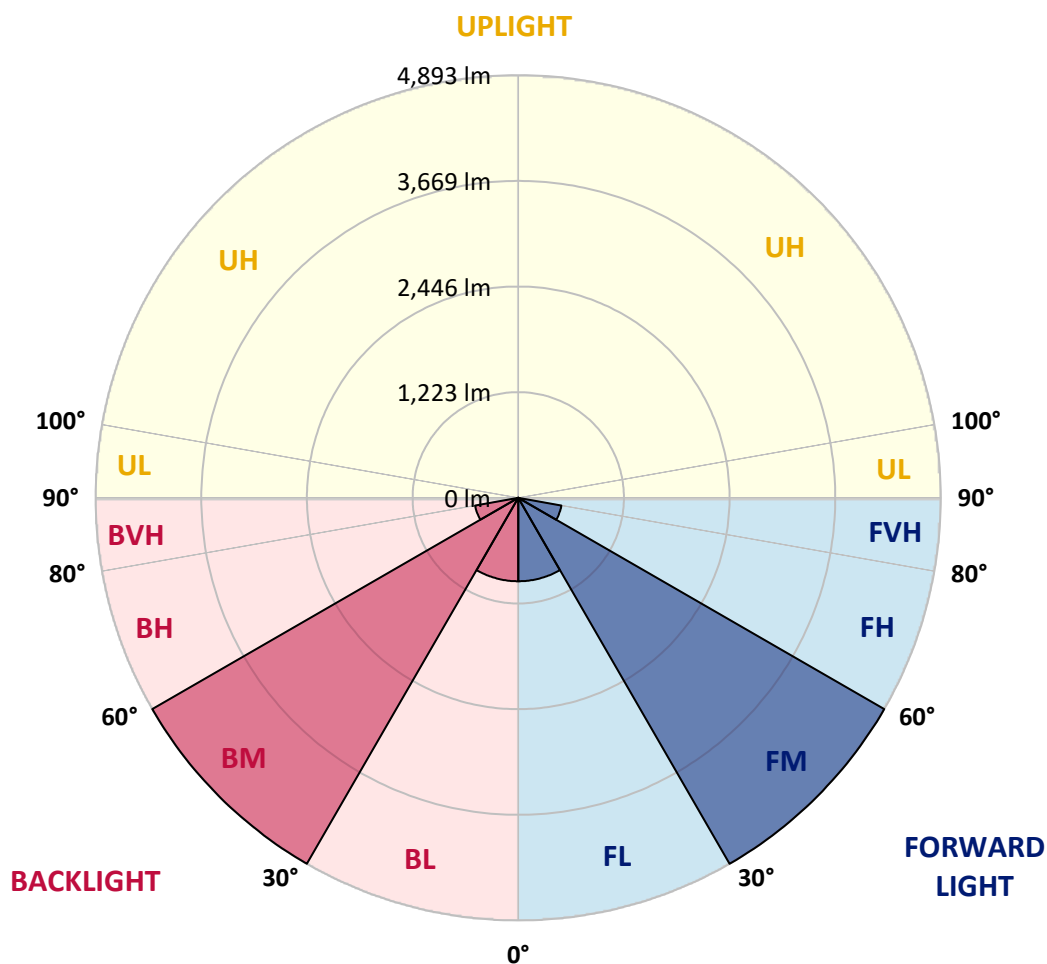


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 966.0 | 7.6 | | | |
| FM (30°-60°) | 4892.6 | 38.4 | | | |
| FH (60°-80°) | 507.2 | 4.0 | | | G0/660 |
| FVH (80°-90°) | 5.8 | 0.0 | | | G0/10 |
| BL (0°-30°) | 966.0 | 7.6 | B2/1000 | | |
| BM (30°-60°) | 4892.6 | 38.4 | B3/5000 | | |
| BH (60°-80°) | 507.2 | 4.0 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 5.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 | 2232.9 |
| 2.5° | 2237.5 | 2237.5 | 2239.8 | 2242.1 | 2226.0 | 2219.0 | 2221.4 | 2216.8 | 2214.4 | 2221.4 | 2221.4 |
| 5° | 2230.6 | 2230.6 | 2223.6 | 2226.0 | 2226.0 | 2205.2 | 2205.2 | 2209.8 | 2209.8 | 2195.9 | 2191.3 |
| 7.5° | 2212.1 | 2207.5 | 2198.3 | 2209.8 | 2202.9 | 2202.9 | 2186.7 | 2175.2 | 2170.6 | 2179.8 | 2170.6 |
| 10° | 2172.9 | 2175.2 | 2184.4 | 2189.0 | 2184.4 | 2198.3 | 2170.6 | 2154.4 | 2138.2 | 2131.3 | 2131.3 |
| 12.5° | 2154.4 | 2168.3 | 2154.4 | 2165.9 | 2182.1 | 2170.6 | 2154.4 | 2142.8 | 2119.7 | 2110.5 | 2110.5 |
| 15° | 2152.1 | 2161.3 | 2165.9 | 2182.1 | 2175.2 | 2179.8 | 2147.5 | 2133.6 | 2099.0 | 2082.8 | 2075.9 |
| 17.5° | 2149.8 | 2161.3 | 2168.3 | 2198.3 | 2202.9 | 2205.2 | 2179.8 | 2138.2 | 2108.2 | 2092.0 | 2075.9 |
| 20° | 2175.2 | 2179.8 | 2193.7 | 2223.6 | 2242.1 | 2274.5 | 2228.3 | 2184.4 | 2119.7 | 2101.3 | 2094.4 |
| 22.5° | 2207.5 | 2230.6 | 2244.5 | 2276.8 | 2325.3 | 2353.0 | 2292.9 | 2237.5 | 2170.6 | 2147.5 | 2119.7 |
| 25° | 2311.4 | 2306.8 | 2329.9 | 2396.8 | 2436.1 | 2456.9 | 2408.4 | 2327.5 | 2239.8 | 2212.1 | 2216.8 |
| 27.5° | 2440.7 | 2445.3 | 2466.1 | 2540.1 | 2597.8 | 2630.1 | 2572.3 | 2466.1 | 2380.7 | 2334.5 | 2329.9 |
| 30° | 2609.3 | 2604.6 | 2627.7 | 2727.0 | 2830.9 | 2879.5 | 2777.8 | 2653.2 | 2570.0 | 2510.0 | 2523.8 |
| 32.5° | 2787.1 | 2789.4 | 2854.0 | 2944.1 | 3112.7 | 3207.3 | 3043.4 | 2891.0 | 2766.3 | 2724.8 | 2703.9 |
| 35° | 3050.3 | 3061.8 | 3112.7 | 3251.3 | 3438.2 | 3560.6 | 3380.5 | 3198.1 | 3055.0 | 2978.8 | 2988.0 |
| 37.5° | 3375.9 | 3364.4 | 3449.8 | 3599.9 | 3796.1 | 3886.2 | 3733.8 | 3526.0 | 3380.5 | 3329.7 | 3362.0 |
| 40° | 3722.3 | 3733.8 | 3777.7 | 3913.9 | 4133.3 | 4193.4 | 3967.1 | 3853.9 | 3726.9 | 3701.5 | 3740.8 |
| 42.5° | 4068.6 | 4061.7 | 4094.1 | 4216.5 | 4375.7 | 4334.2 | 4200.2 | 4133.3 | 4043.3 | 3992.4 | 4045.5 |
| 45° | 4322.6 | 4311.1 | 4371.1 | 4454.3 | 4512.0 | 4433.5 | 4373.4 | 4350.3 | 4304.2 | 4248.7 | 4297.3 |
| 47.5° | 4569.7 | 4560.5 | 4618.2 | 4641.3 | 4645.9 | 4542.0 | 4553.5 | 4595.1 | 4479.7 | 4364.2 | 4419.6 |
| 50° | 4779.8 | 4763.7 | 4835.3 | 4886.1 | 4874.5 | 4708.3 | 4749.8 | 4708.3 | 4528.2 | 4391.9 | 4371.1 |
| 52.5° | 5130.8 | 5137.7 | 5214.0 | 5306.3 | 5278.6 | 5140.1 | 5080.0 | 4890.7 | 4659.8 | 4537.4 | 4465.8 |
| 55° | 5352.5 | 5317.9 | 5449.5 | 5742.8 | 5775.1 | 5631.9 | 5366.4 | 5087.0 | 4740.6 | 4590.5 | 4572.0 |
| 56° | 5144.7 | 5188.5 | 5396.4 | 5724.3 | 5890.5 | 5758.9 | 5373.3 | 5038.4 | 4657.4 | 4454.3 | 4440.4 |
| 57.5° | 4615.9 | 4592.8 | 4874.5 | 5322.5 | 5775.1 | 5719.7 | 5183.9 | 4692.1 | 4248.7 | 4020.2 | 3992.4 |
| 60° | 2872.5 | 2939.5 | 3186.6 | 3740.8 | 4345.7 | 4373.4 | 3842.3 | 3419.8 | 2902.6 | 2699.3 | 2747.9 |
| 62.5° | 1124.5 | 1066.8 | 1221.5 | 1634.8 | 2050.5 | 2142.8 | 1941.9 | 1614.1 | 1325.5 | 1124.5 | 1110.7 |
| 65° | 260.9 | 254.0 | 286.3 | 394.9 | 551.9 | 639.6 | 607.3 | 436.4 | 321.0 | 304.8 | 281.7 |
| 67.5° | 147.8 | 147.8 | 140.9 | 140.9 | 154.7 | 164.0 | 157.0 | 154.7 | 161.6 | 168.6 | 166.2 |
| 70° | 103.9 | 101.6 | 97.0 | 99.3 | 94.7 | 94.7 | 101.6 | 113.1 | 122.4 | 122.4 | 124.7 |
| 72.5° | 62.3 | 62.3 | 62.3 | 69.3 | 69.3 | 69.3 | 76.2 | 85.4 | 87.8 | 85.4 | 83.2 |
| 75° | 27.7 | 27.7 | 32.3 | 39.2 | 43.8 | 46.2 | 53.1 | 57.7 | 62.3 | 57.7 | 53.1 |
| 77.5° | 6.9 | 6.9 | 11.5 | 16.1 | 20.7 | 25.4 | 34.6 | 41.6 | 43.8 | 41.6 | 34.6 |
| 80° | 2.3 | 2.3 | 4.6 | 11.5 | 20.7 | 25.4 | 34.6 | 37.0 | 39.2 | 34.6 | 27.7 |
| 82.5° | 2.3 | 2.3 | 4.6 | 11.5 | 16.1 | 20.7 | 27.7 | 32.3 | 34.6 | 30.0 | 27.7 |
| 85° | 0.0 | 2.3 | 4.6 | 9.2 | 13.9 | 18.5 | 18.5 | 13.9 | 11.5 | 6.9 | 9.2 |
| 87.5° | 0.0 | 0.0 | 2.3 | 2.3 | 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)