

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: P530439

Luminaire Tested: **GLAN-SA5C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18080 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

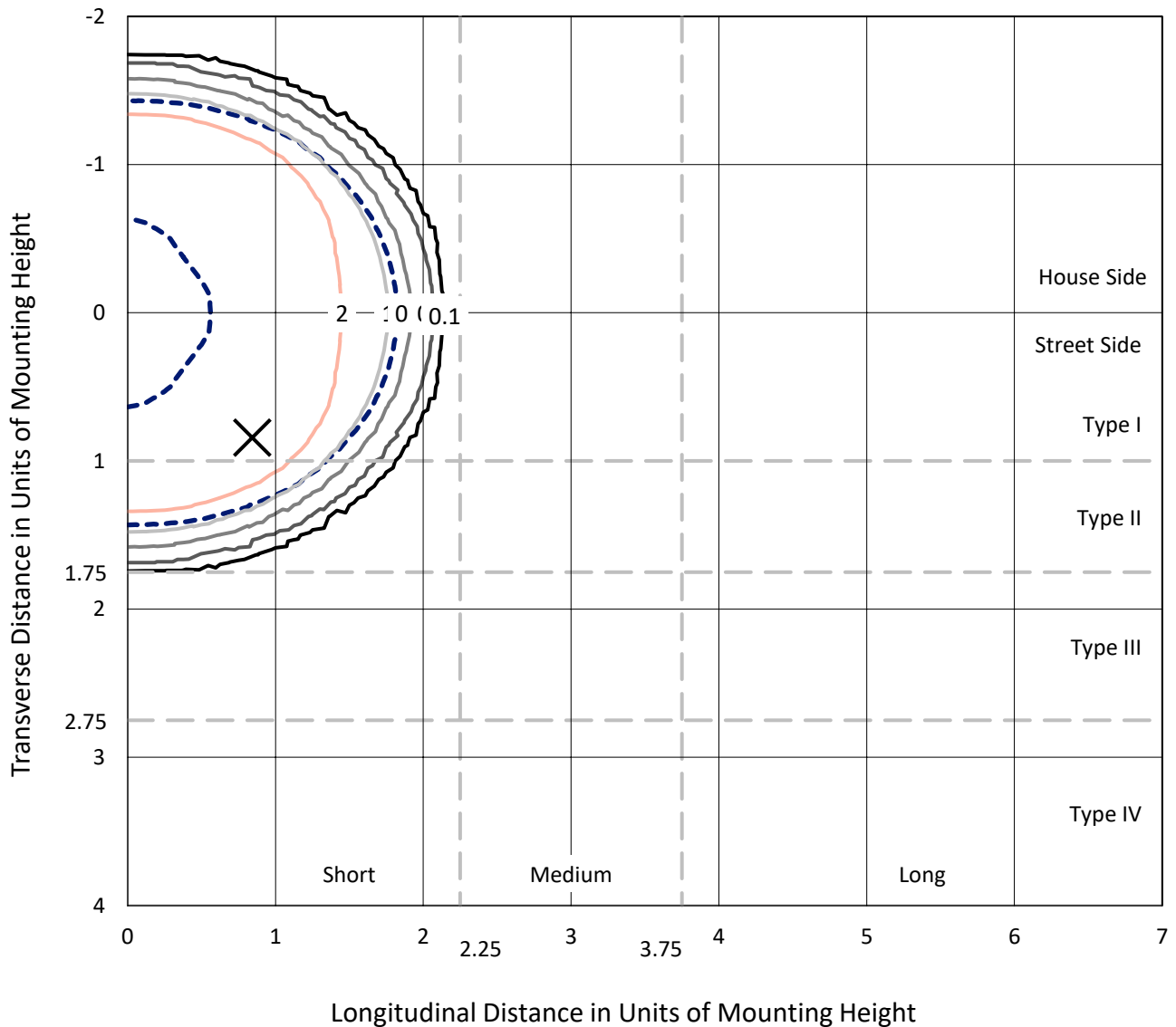
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

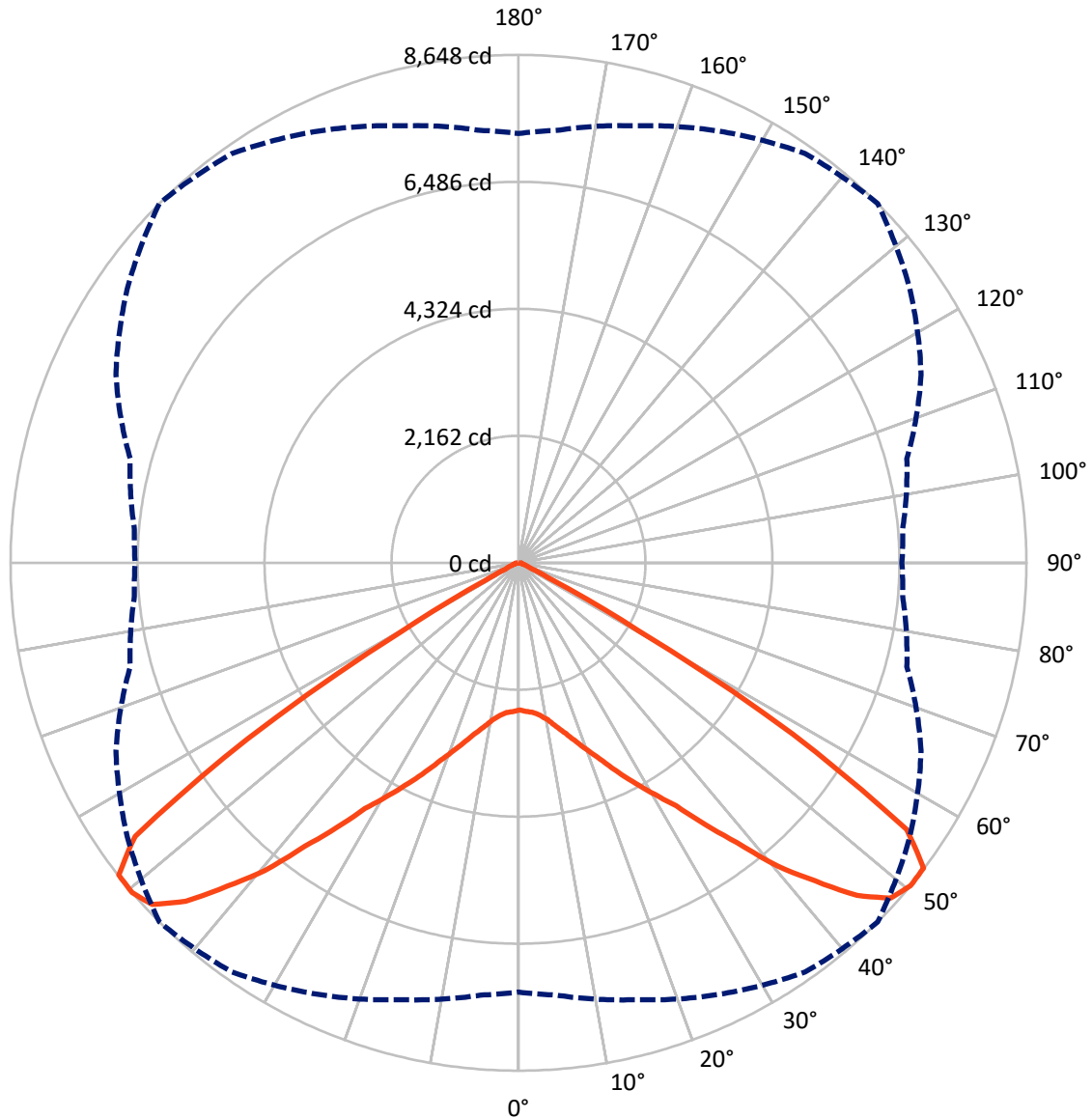
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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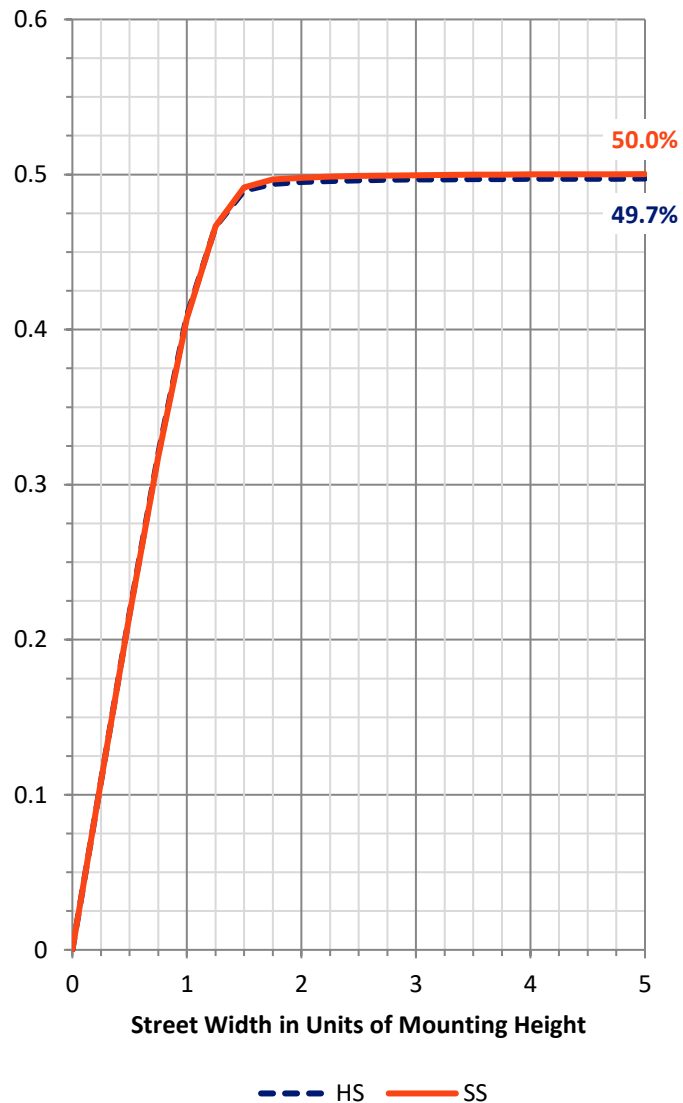
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9040.0 | 0.0 | 9040.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 9040.0 | 0.0 | 9040.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 18080.0 | 0.0 | 18080.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 249.4 | 1.4 |
| 10°-20° | 859.5 | 4.8 |
| 20°-30° | 1755.4 | 9.7 |
| 30°-40° | 3347.5 | 18.5 |
| 40°-50° | 5641.0 | 31.2 |
| 50°-60° | 5379.7 | 29.8 |
| 60°-70° | 751.0 | 4.2 |
| 70°-80° | 71.8 | 0.4 |
| 80°-90° | 24.8 | 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° | 18080.0 | 100.0 |
| 0°-180° | 18080.0 | 100.0 |

Coefficient of Utilization



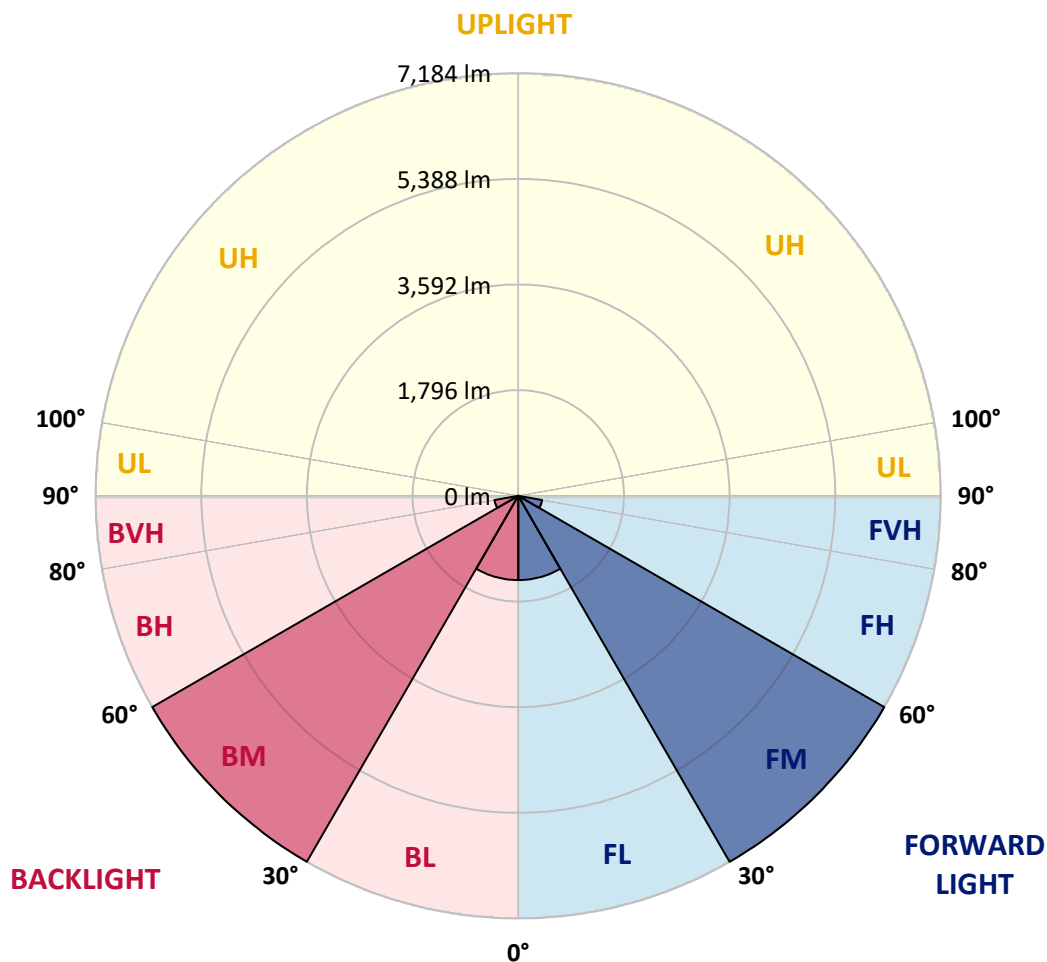
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1432.1 | 7.9 | | | |
| FM (30°-60°) | 7184.1 | 39.7 | | | |
| FH (60°-80°) | 411.4 | 2.3 | | | G0/660 |
| FVH (80°-90°) | 12.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1432.1 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 7184.1 | 39.7 | B4/8500 | | |
| BH (60°-80°) | 411.4 | 2.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 12.4 | 0.1 | | | G1/100 |
| 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° | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 | 2506.6 |
| 2.5° | 2497.5 | 2497.5 | 2494.4 | 2518.8 | 2506.6 | 2534.0 | 2530.9 | 2540.1 | 2549.2 | 2546.1 | 2570.5 |
| 5° | 2476.2 | 2473.1 | 2473.1 | 2500.5 | 2527.9 | 2558.3 | 2585.7 | 2603.9 | 2634.4 | 2634.4 | 2664.8 |
| 7.5° | 2497.5 | 2482.3 | 2503.6 | 2515.7 | 2567.4 | 2619.1 | 2664.8 | 2701.3 | 2771.2 | 2795.6 | 2786.5 |
| 10° | 2503.6 | 2521.8 | 2537.0 | 2573.5 | 2637.4 | 2716.5 | 2756.0 | 2847.3 | 2926.4 | 2981.1 | 2993.3 |
| 12.5° | 2543.1 | 2570.5 | 2613.1 | 2701.3 | 2759.1 | 2862.5 | 2917.3 | 3005.5 | 3115.0 | 3175.8 | 3218.4 |
| 15° | 2619.1 | 2628.3 | 2683.0 | 2795.6 | 2920.3 | 3014.6 | 3099.8 | 3163.7 | 3270.1 | 3340.1 | 3343.1 |
| 17.5° | 2716.5 | 2756.0 | 2832.1 | 2938.6 | 3069.4 | 3209.3 | 3276.2 | 3346.2 | 3385.7 | 3480.0 | 3501.3 |
| 20° | 2911.2 | 2917.3 | 2990.3 | 3130.2 | 3294.5 | 3422.2 | 3470.9 | 3507.4 | 3492.2 | 3589.5 | 3607.8 |
| 22.5° | 3093.7 | 3099.8 | 3191.0 | 3379.6 | 3556.1 | 3665.6 | 3686.9 | 3665.6 | 3620.0 | 3689.9 | 3696.0 |
| 25° | 3279.3 | 3334.0 | 3400.9 | 3589.5 | 3808.6 | 3954.6 | 3957.6 | 3899.8 | 3805.5 | 3817.7 | 3848.1 |
| 27.5° | 3568.2 | 3607.8 | 3677.8 | 3851.1 | 4091.5 | 4255.7 | 4228.4 | 4158.4 | 4036.7 | 4045.8 | 4036.7 |
| 30° | 3905.9 | 3942.4 | 4000.2 | 4222.3 | 4398.7 | 4578.2 | 4617.7 | 4550.8 | 4368.3 | 4328.7 | 4374.4 |
| 32.5° | 4313.5 | 4365.2 | 4471.7 | 4675.5 | 4824.6 | 4934.1 | 4961.5 | 4937.1 | 4766.8 | 4751.6 | 4782.0 |
| 35° | 4809.4 | 4879.3 | 4976.7 | 5156.2 | 5277.8 | 5475.6 | 5475.6 | 5393.4 | 5238.3 | 5256.5 | 5253.5 |
| 37.5° | 5332.6 | 5436.0 | 5588.1 | 5770.6 | 5934.9 | 6041.4 | 6007.9 | 5937.9 | 5782.8 | 5743.3 | 5782.8 |
| 40° | 5989.7 | 6041.4 | 6233.0 | 6470.3 | 6671.1 | 6792.7 | 6649.8 | 6497.7 | 6126.6 | 6184.3 | 6290.8 |
| 42.5° | 6588.9 | 6671.1 | 6817.1 | 7078.7 | 7306.8 | 7407.2 | 7236.9 | 6935.7 | 6488.5 | 6442.9 | 6522.0 |
| 45° | 7100.0 | 7188.2 | 7379.8 | 7754.0 | 7994.3 | 8082.5 | 7705.3 | 7218.6 | 6707.6 | 6592.0 | 6625.4 |
| 47.5° | 7440.7 | 7486.3 | 7754.0 | 8109.9 | 8328.9 | 8529.7 | 7988.2 | 7413.3 | 6811.0 | 6592.0 | 6579.8 |
| 50° | 7309.9 | 7389.0 | 7702.3 | 8106.9 | 8505.4 | 8648.4 | 8131.2 | 7562.4 | 6844.5 | 6564.6 | 6528.1 |
| 52.5° | 6491.6 | 6628.5 | 6978.3 | 7522.8 | 8125.1 | 8636.2 | 8328.9 | 7513.7 | 6832.3 | 6592.0 | 6646.7 |
| 55° | 4517.3 | 4520.4 | 4946.3 | 5749.3 | 6814.0 | 8018.7 | 8040.0 | 7568.5 | 6911.4 | 6762.3 | 6765.4 |
| 57.5° | 1816.1 | 1907.3 | 2232.8 | 3038.9 | 4021.5 | 5506.0 | 6546.3 | 7020.9 | 6920.5 | 6884.0 | 6978.3 |
| 60° | 459.3 | 462.4 | 562.8 | 857.8 | 1414.5 | 2360.6 | 3428.3 | 4639.0 | 5341.7 | 5582.0 | 5615.5 |
| 62.5° | 234.2 | 237.3 | 261.6 | 304.2 | 386.3 | 632.7 | 1125.5 | 1785.6 | 2540.1 | 2923.3 | 3023.7 |
| 65° | 191.6 | 191.6 | 206.9 | 228.1 | 231.2 | 243.4 | 292.0 | 416.8 | 605.4 | 687.5 | 696.6 |
| 67.5° | 146.0 | 146.0 | 158.2 | 170.4 | 176.4 | 173.4 | 167.3 | 173.4 | 209.9 | 200.8 | 194.7 |
| 70° | 91.3 | 94.3 | 100.4 | 112.6 | 118.6 | 121.7 | 124.7 | 130.8 | 149.1 | 155.1 | 149.1 |
| 72.5° | 54.8 | 54.8 | 57.8 | 66.9 | 76.0 | 82.1 | 91.3 | 97.3 | 106.5 | 121.7 | 118.6 |
| 75° | 24.3 | 24.3 | 30.4 | 39.5 | 48.7 | 57.8 | 66.9 | 76.0 | 82.1 | 91.3 | 94.3 |
| 77.5° | 6.1 | 9.1 | 15.2 | 27.4 | 36.5 | 48.7 | 60.8 | 70.0 | 76.0 | 76.0 | 73.0 |
| 80° | 3.0 | 3.0 | 12.2 | 21.3 | 39.5 | 51.7 | 66.9 | 73.0 | 82.1 | 76.0 | 66.9 |
| 82.5° | 3.0 | 3.0 | 12.2 | 21.3 | 36.5 | 51.7 | 70.0 | 79.1 | 85.2 | 76.0 | 63.9 |
| 85° | 0.0 | 3.0 | 9.1 | 18.3 | 30.4 | 36.5 | 30.4 | 21.3 | 12.2 | 12.2 | 9.1 |
| 87.5° | 0.0 | 0.0 | 3.0 | 3.0 | 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)