

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: P529919

Luminaire Tested: **GLAN-SA5A-760-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529919
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-SA5A-760-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 615mA 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: 14800 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

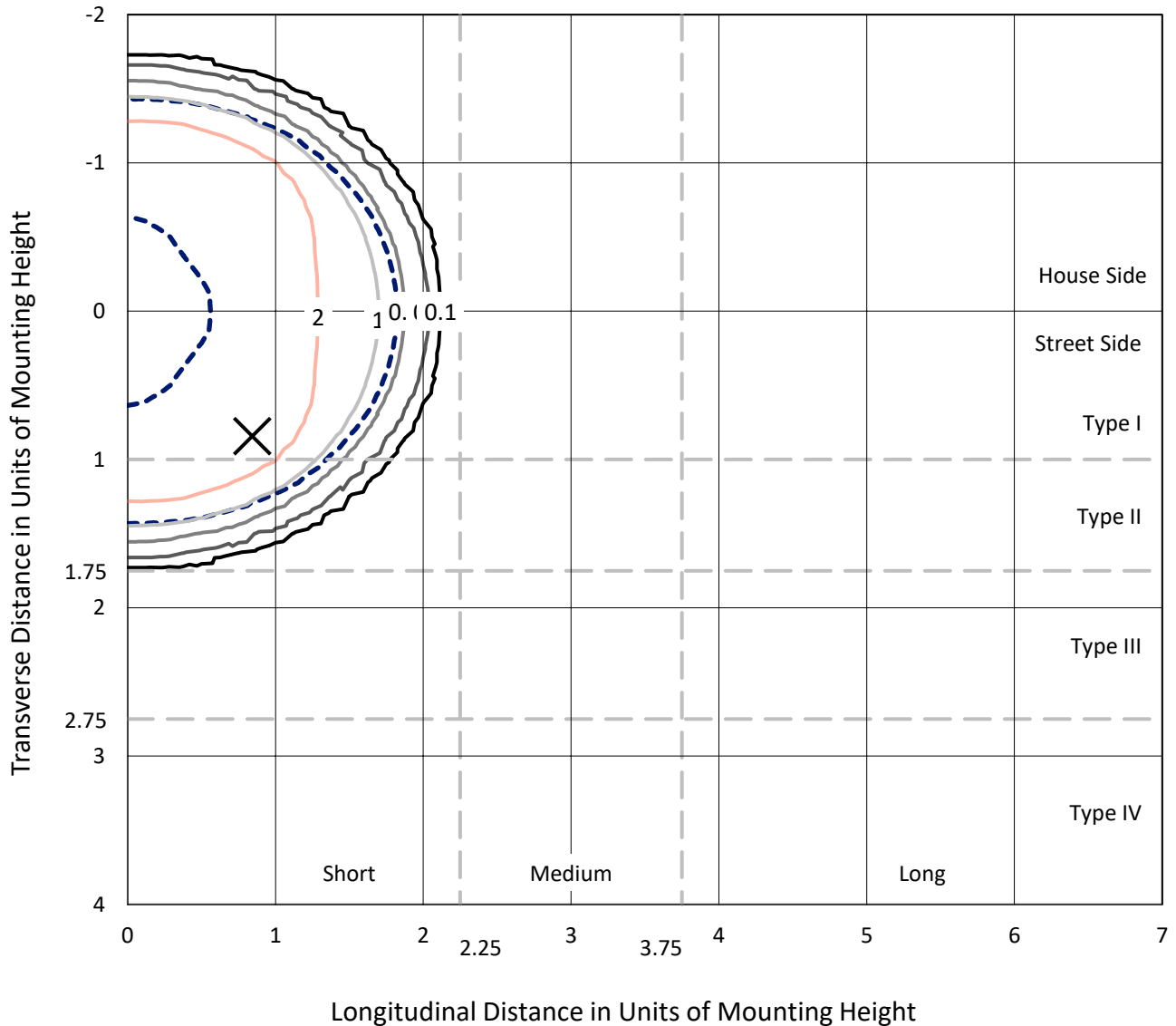
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

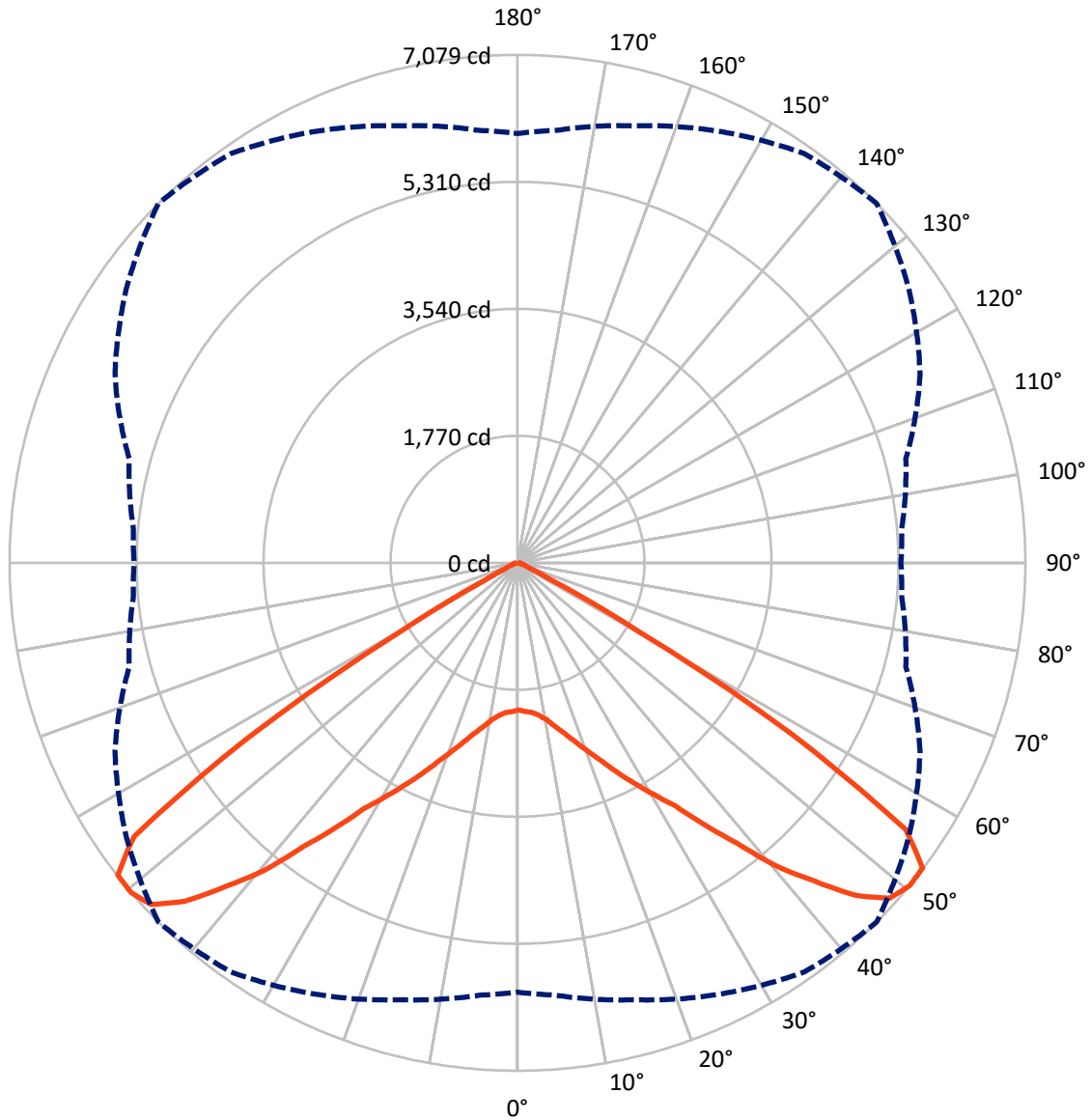
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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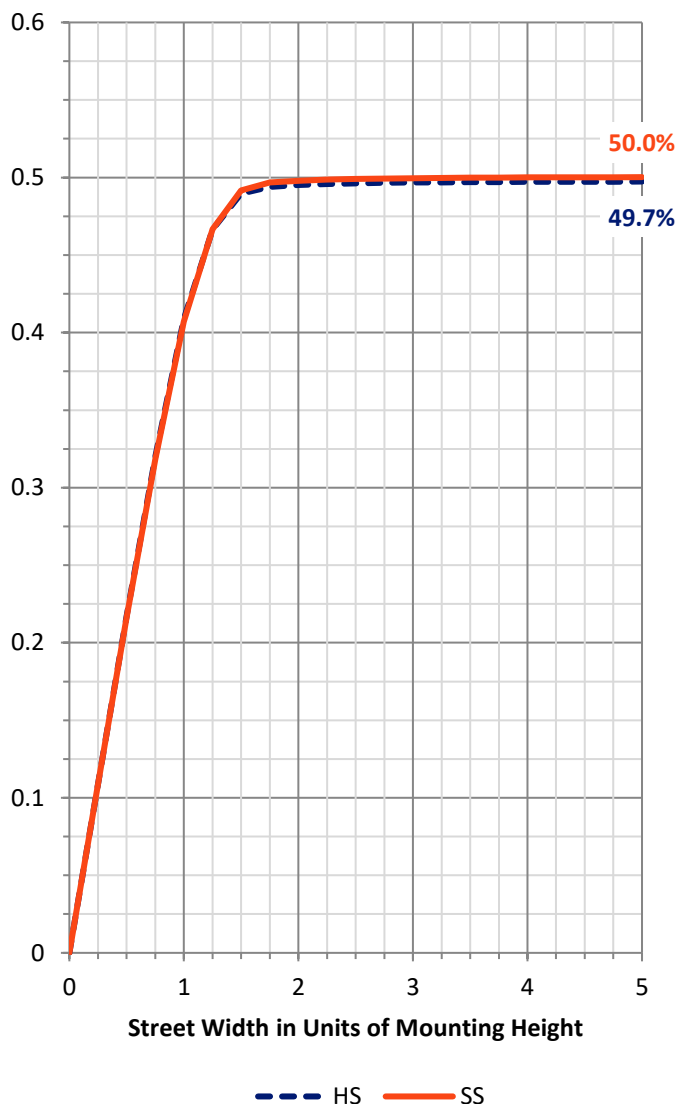
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7400.0 | 0.0 | 7400.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7400.0 | 0.0 | 7400.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14800.0 | 0.0 | 14800.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 204.1 | 1.4 |
| 10°-20° | 703.5 | 4.8 |
| 20°-30° | 1436.9 | 9.7 |
| 30°-40° | 2740.2 | 18.5 |
| 40°-50° | 4617.6 | 31.2 |
| 50°-60° | 4403.7 | 29.8 |
| 60°-70° | 614.7 | 4.2 |
| 70°-80° | 58.8 | 0.4 |
| 80°-90° | 20.3 | 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° | 14800.0 | 100.0 |
| 0°-180° | 14800.0 | 100.0 |

Coefficient of Utilization



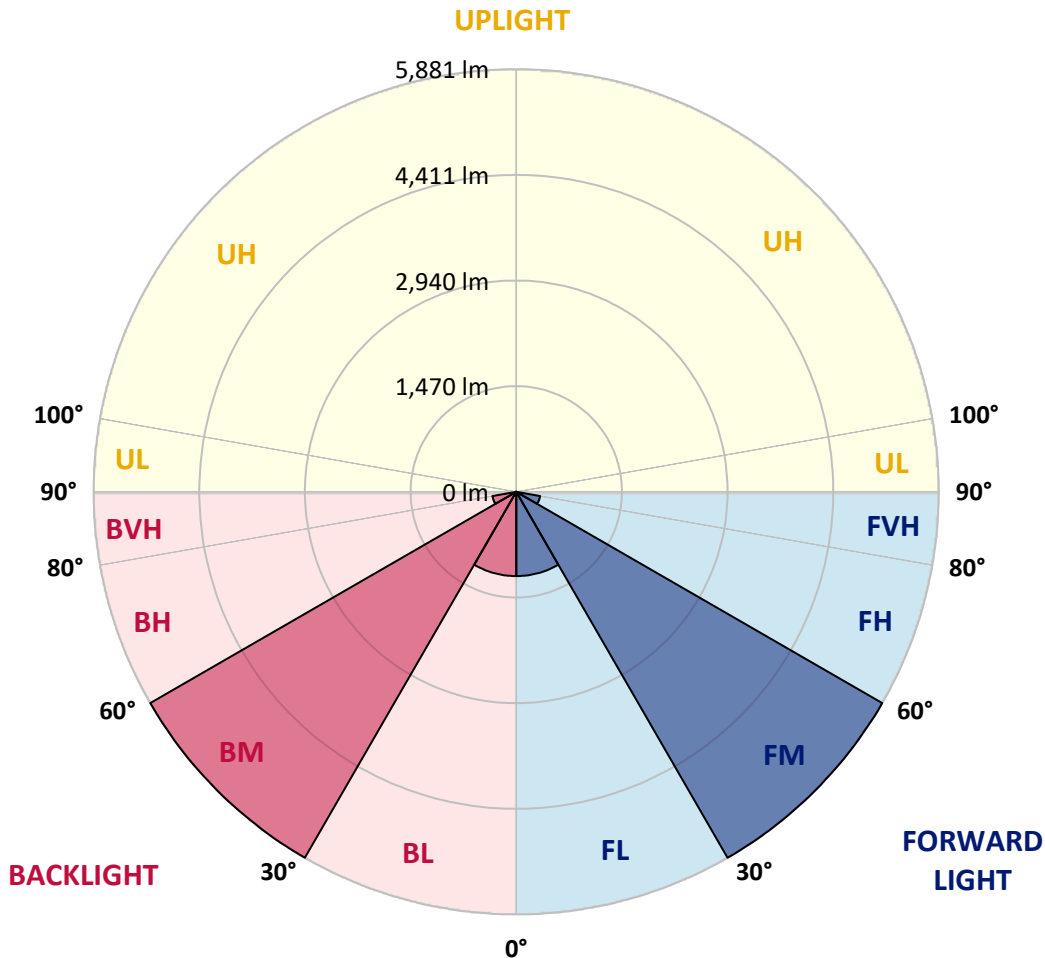
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1172.3 | 7.9 | | | |
| FM (30°-60°) | 5880.8 | 39.7 | | | |
| FH (60°-80°) | 336.8 | 2.3 | | | G0/660 |
| FVH (80°-90°) | 10.2 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1172.3 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 5880.8 | 39.7 | B4/8500 | | |
| BH (60°-80°) | 336.8 | 2.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 10.2 | 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° | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 | 2051.9 |
| 2.5° | 2044.4 | 2044.4 | 2041.9 | 2061.8 | 2051.9 | 2074.3 | 2071.8 | 2079.2 | 2086.7 | 2084.2 | 2104.1 |
| 5° | 2027.0 | 2024.5 | 2024.5 | 2046.9 | 2069.3 | 2094.2 | 2116.6 | 2131.5 | 2156.4 | 2156.4 | 2181.3 |
| 7.5° | 2044.4 | 2031.9 | 2049.4 | 2059.3 | 2101.7 | 2144.0 | 2181.3 | 2211.2 | 2268.5 | 2288.4 | 2280.9 |
| 10° | 2049.4 | 2064.3 | 2076.8 | 2106.6 | 2158.9 | 2223.7 | 2256.0 | 2330.8 | 2395.5 | 2440.3 | 2450.3 |
| 12.5° | 2081.7 | 2104.1 | 2139.0 | 2211.2 | 2258.5 | 2343.2 | 2388.0 | 2460.2 | 2549.9 | 2599.7 | 2634.5 |
| 15° | 2144.0 | 2151.5 | 2196.3 | 2288.4 | 2390.5 | 2467.7 | 2537.4 | 2589.7 | 2676.9 | 2734.1 | 2736.6 |
| 17.5° | 2223.7 | 2256.0 | 2318.3 | 2405.5 | 2512.5 | 2627.1 | 2681.9 | 2739.1 | 2771.5 | 2848.7 | 2866.1 |
| 20° | 2383.0 | 2388.0 | 2447.8 | 2562.3 | 2696.8 | 2801.4 | 2841.2 | 2871.1 | 2858.7 | 2938.3 | 2953.3 |
| 22.5° | 2532.4 | 2537.4 | 2612.1 | 2766.5 | 2910.9 | 3000.6 | 3018.0 | 3000.6 | 2963.2 | 3020.5 | 3025.5 |
| 25° | 2684.3 | 2729.2 | 2784.0 | 2938.3 | 3117.6 | 3237.2 | 3239.6 | 3192.3 | 3115.1 | 3125.1 | 3150.0 |
| 27.5° | 2920.9 | 2953.3 | 3010.6 | 3152.5 | 3349.2 | 3483.7 | 3461.3 | 3404.0 | 3304.4 | 3311.9 | 3304.4 |
| 30° | 3197.3 | 3227.2 | 3274.5 | 3456.3 | 3600.7 | 3747.6 | 3780.0 | 3725.2 | 3575.8 | 3543.4 | 3580.8 |
| 32.5° | 3531.0 | 3573.3 | 3660.5 | 3827.3 | 3949.3 | 4039.0 | 4061.4 | 4041.5 | 3902.0 | 3889.6 | 3914.5 |
| 35° | 3936.9 | 3994.1 | 4073.8 | 4220.7 | 4320.4 | 4482.2 | 4482.2 | 4415.0 | 4288.0 | 4302.9 | 4300.4 |
| 37.5° | 4365.2 | 4449.8 | 4574.3 | 4723.8 | 4858.2 | 4945.4 | 4918.0 | 4860.7 | 4733.7 | 4701.3 | 4733.7 |
| 40° | 4903.0 | 4945.4 | 5102.3 | 5296.5 | 5460.8 | 5560.4 | 5443.4 | 5318.9 | 5015.1 | 5062.4 | 5149.6 |
| 42.5° | 5393.6 | 5460.8 | 5580.4 | 5794.5 | 5981.3 | 6063.4 | 5924.0 | 5677.5 | 5311.4 | 5274.1 | 5338.8 |
| 45° | 5811.9 | 5884.1 | 6041.0 | 6347.3 | 6544.0 | 6616.2 | 6307.5 | 5909.0 | 5490.7 | 5396.1 | 5423.5 |
| 47.5° | 6090.8 | 6128.2 | 6347.3 | 6638.7 | 6817.9 | 6982.3 | 6539.0 | 6068.4 | 5575.4 | 5396.1 | 5386.1 |
| 50° | 5983.8 | 6048.5 | 6305.0 | 6636.2 | 6962.4 | 7079.4 | 6656.1 | 6190.4 | 5602.8 | 5373.7 | 5343.8 |
| 52.5° | 5313.9 | 5426.0 | 5712.3 | 6158.1 | 6651.1 | 7069.4 | 6817.9 | 6150.6 | 5592.8 | 5396.1 | 5440.9 |
| 55° | 3697.8 | 3700.3 | 4048.9 | 4706.3 | 5577.9 | 6564.0 | 6581.4 | 6195.4 | 5657.5 | 5535.5 | 5538.0 |
| 57.5° | 1486.6 | 1561.3 | 1827.7 | 2487.6 | 3291.9 | 4507.1 | 5358.7 | 5747.2 | 5665.0 | 5635.1 | 5712.3 |
| 60° | 376.0 | 378.5 | 460.7 | 702.2 | 1157.9 | 1932.3 | 2806.4 | 3797.4 | 4372.6 | 4569.4 | 4596.8 |
| 62.5° | 191.7 | 194.2 | 214.2 | 249.0 | 316.2 | 517.9 | 921.3 | 1461.7 | 2079.2 | 2393.0 | 2475.2 |
| 65° | 156.9 | 156.9 | 169.3 | 186.8 | 189.2 | 199.2 | 239.1 | 341.1 | 495.5 | 562.8 | 570.2 |
| 67.5° | 119.5 | 119.5 | 129.5 | 139.4 | 144.4 | 141.9 | 137.0 | 141.9 | 171.8 | 164.3 | 159.4 |
| 70° | 74.7 | 77.2 | 82.2 | 92.1 | 97.1 | 99.6 | 102.1 | 107.1 | 122.0 | 127.0 | 122.0 |
| 72.5° | 44.8 | 44.8 | 47.3 | 54.8 | 62.3 | 67.2 | 74.7 | 79.7 | 87.2 | 99.6 | 97.1 |
| 75° | 19.9 | 19.9 | 24.9 | 32.4 | 39.8 | 47.3 | 54.8 | 62.3 | 67.2 | 74.7 | 77.2 |
| 77.5° | 5.0 | 7.5 | 12.5 | 22.4 | 29.9 | 39.8 | 49.8 | 57.3 | 62.3 | 62.3 | 59.8 |
| 80° | 2.5 | 2.5 | 10.0 | 17.4 | 32.4 | 42.3 | 54.8 | 59.8 | 67.2 | 62.3 | 54.8 |
| 82.5° | 2.5 | 2.5 | 10.0 | 17.4 | 29.9 | 42.3 | 57.3 | 64.7 | 69.7 | 62.3 | 52.3 |
| 85° | 0.0 | 2.5 | 7.5 | 14.9 | 24.9 | 29.9 | 24.9 | 17.4 | 10.0 | 10.0 | 7.5 |
| 87.5° | 0.0 | 0.0 | 2.5 | 2.5 | 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)