

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: P532961

Luminaire Tested: **GLAN-SA8B-760-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532961
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-SA8B-760-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 800mA 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: 29694 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

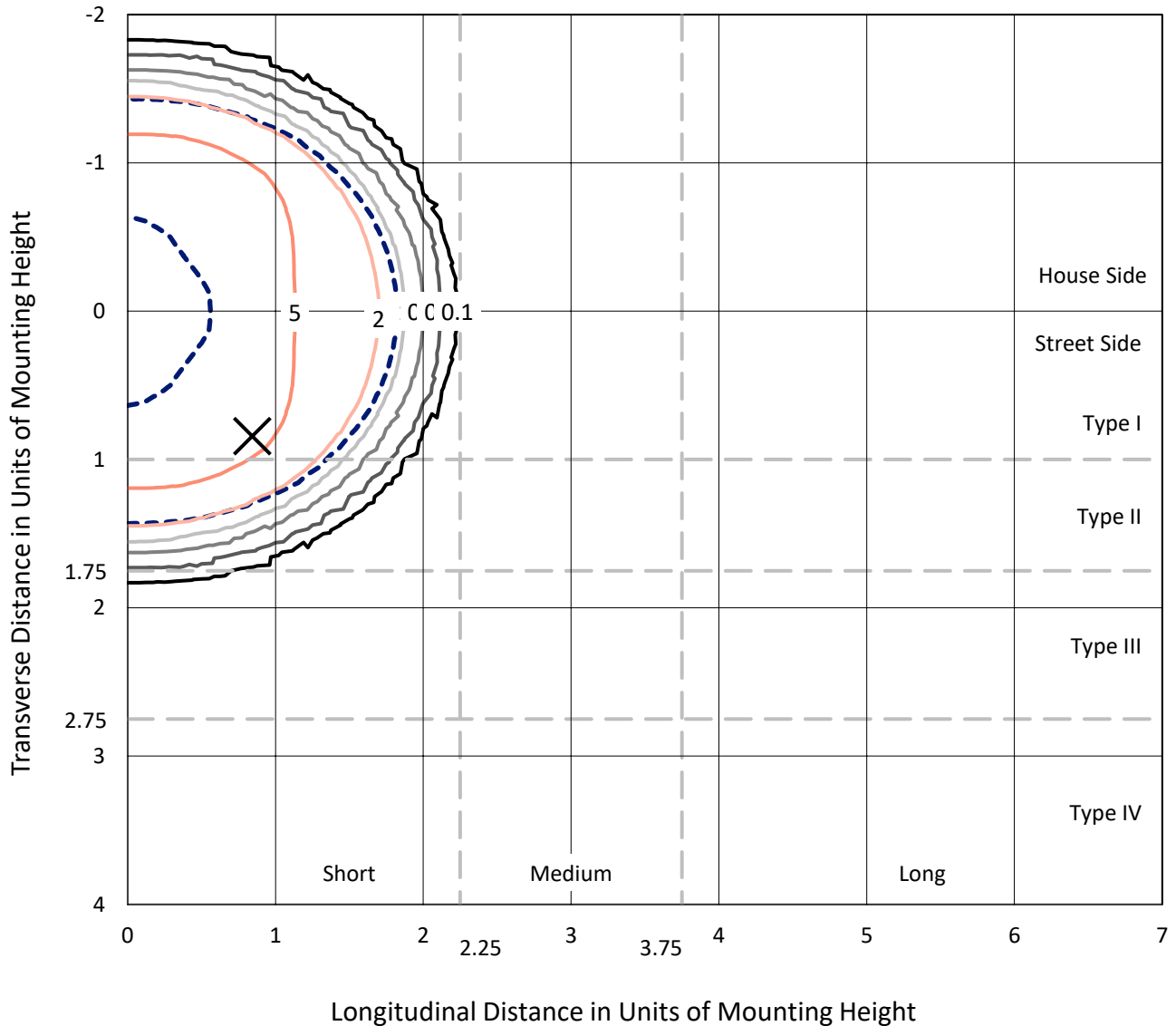
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

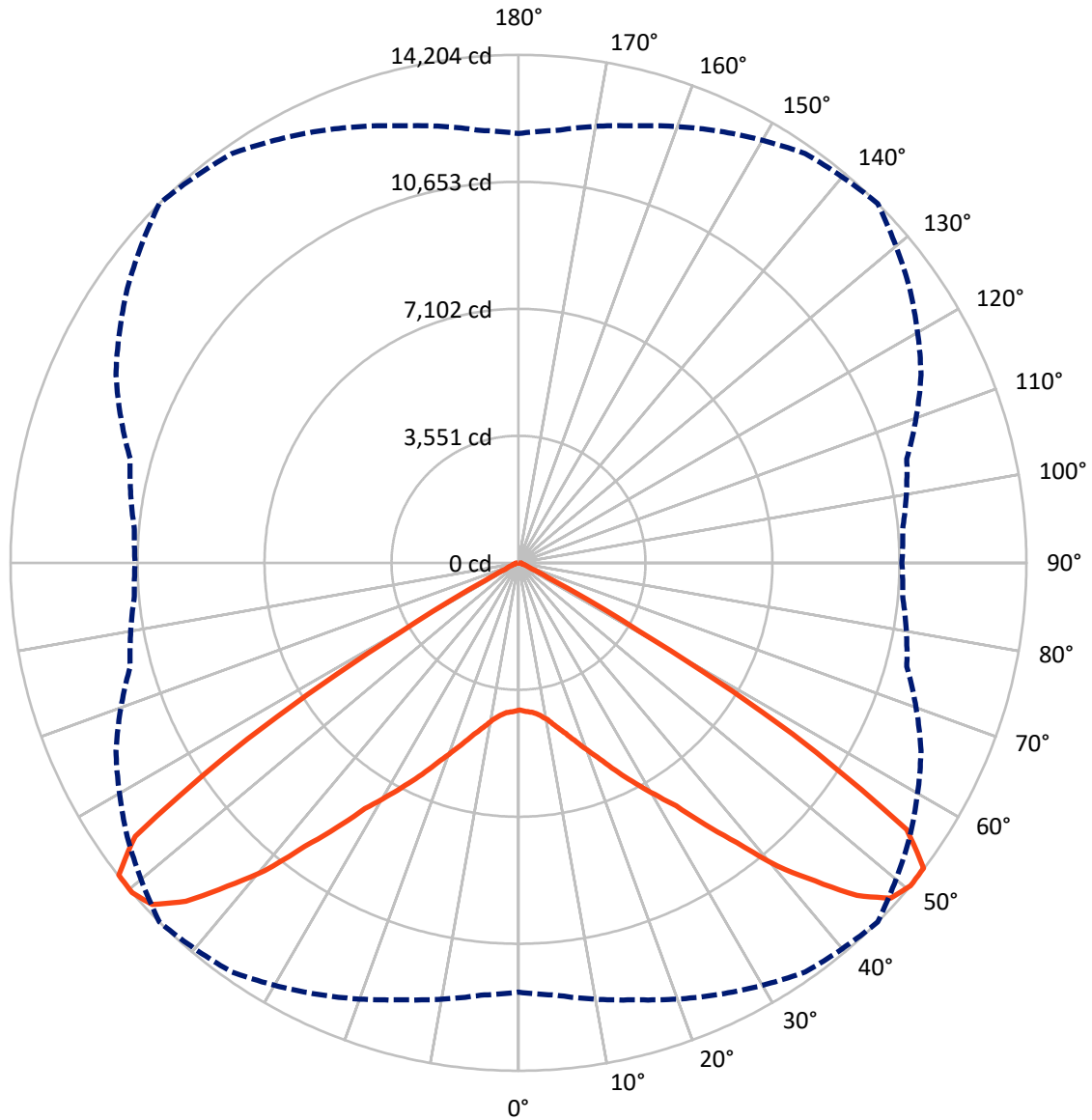
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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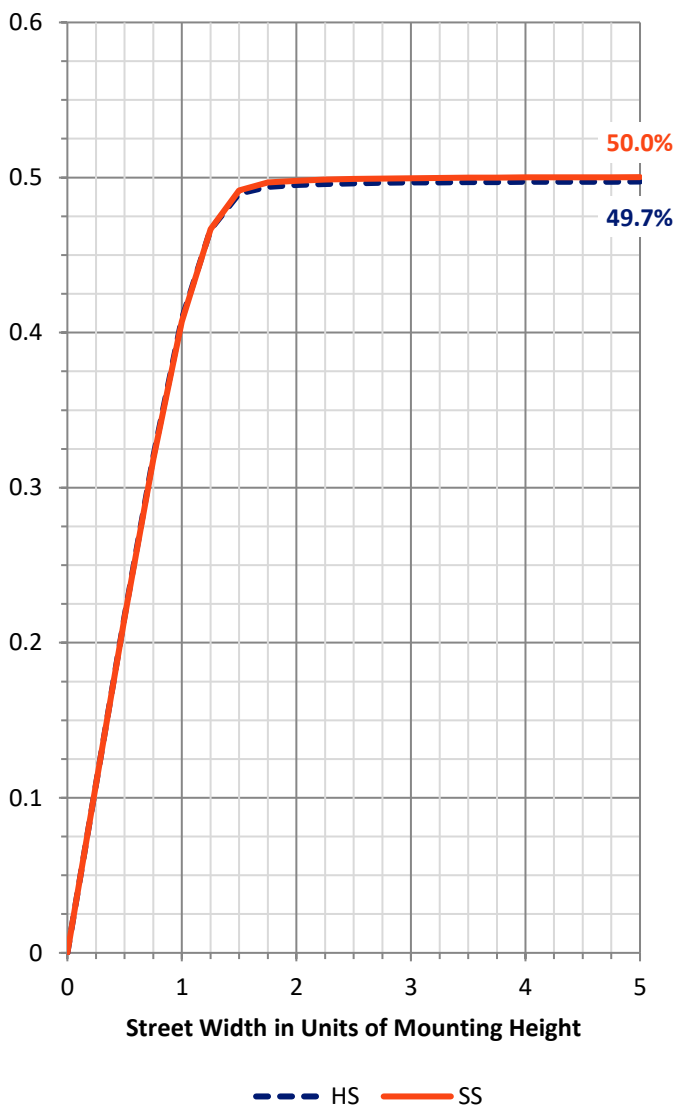
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 14847.0 | 0.0 | 14847.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 14847.0 | 0.0 | 14847.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 29694.0 | 0.0 | 29694.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 409.6 | 1.4 |
| 10°-20° | 1411.6 | 4.8 |
| 20°-30° | 2883.0 | 9.7 |
| 30°-40° | 5497.8 | 18.5 |
| 40°-50° | 9264.6 | 31.2 |
| 50°-60° | 8835.4 | 29.8 |
| 60°-70° | 1233.4 | 4.2 |
| 70°-80° | 118.0 | 0.4 |
| 80°-90° | 40.8 | 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° | 29694.0 | 100.0 |
| 0°-180° | 29694.0 | 100.0 |

Coefficient of Utilization

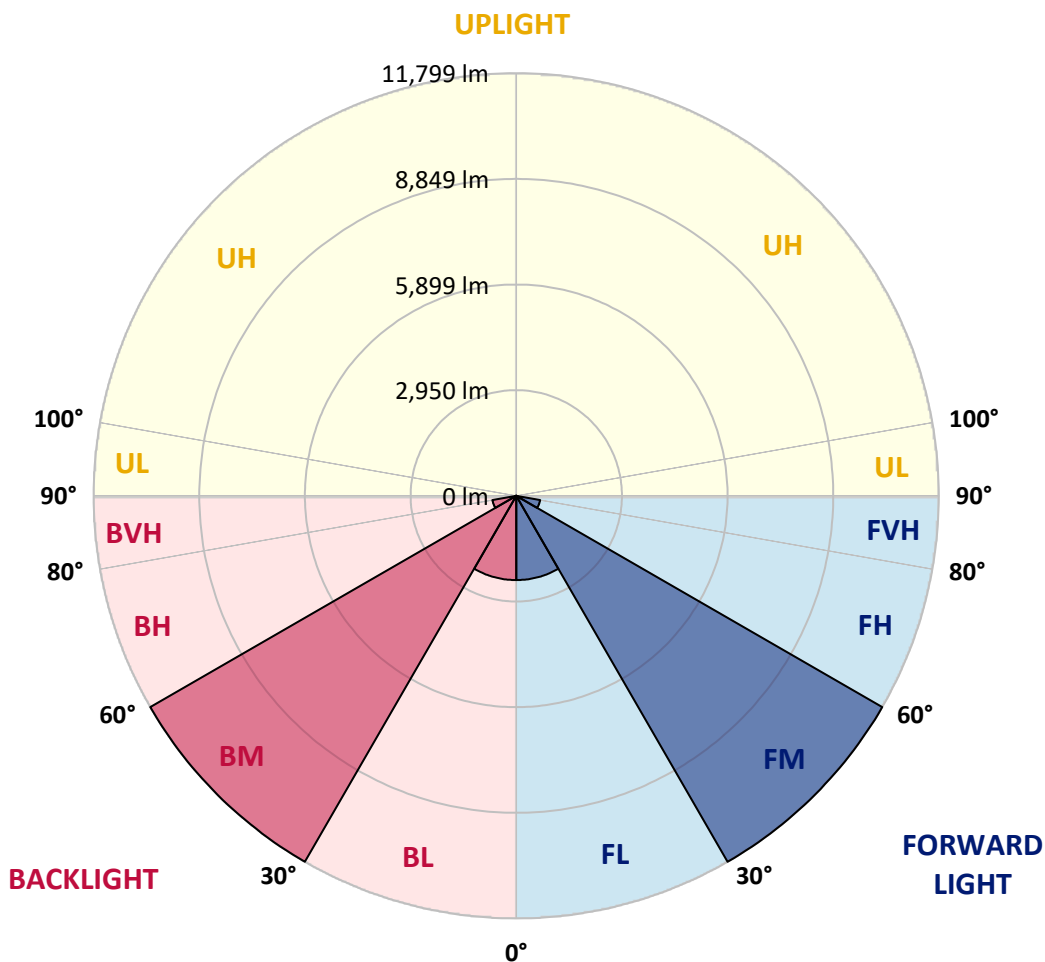


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2352.0 | 7.9 | | | |
| FM (30°-60°) | 11798.9 | 39.7 | | | |
| FH (60°-80°) | 675.7 | 2.3 | | | G1/1800 |
| FVH (80°-90°) | 20.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 2352.0 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 11798.9 | 39.7 | B5 | | |
| BH (60°-80°) | 675.7 | 2.3 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 20.4 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 | 4116.7 |
| 2.5° | 4101.8 | 4101.8 | 4096.8 | 4136.7 | 4116.7 | 4161.7 | 4156.7 | 4171.7 | 4186.7 | 4181.7 | 4221.7 |
| 5° | 4066.8 | 4061.8 | 4061.8 | 4106.8 | 4151.7 | 4201.7 | 4246.6 | 4276.6 | 4326.6 | 4326.6 | 4376.5 |
| 7.5° | 4101.8 | 4076.8 | 4111.8 | 4131.7 | 4216.7 | 4301.6 | 4376.5 | 4436.5 | 4551.4 | 4591.4 | 4576.4 |
| 10° | 4111.8 | 4141.7 | 4166.7 | 4226.7 | 4331.6 | 4461.5 | 4526.4 | 4676.3 | 4806.2 | 4896.1 | 4916.1 |
| 12.5° | 4176.7 | 4221.7 | 4291.6 | 4436.5 | 4531.4 | 4701.3 | 4791.2 | 4936.1 | 5116.0 | 5215.9 | 5285.8 |
| 15° | 4301.6 | 4316.6 | 4406.5 | 4591.4 | 4796.2 | 4951.1 | 5091.0 | 5195.9 | 5370.8 | 5485.7 | 5490.7 |
| 17.5° | 4461.5 | 4526.4 | 4651.3 | 4826.2 | 5041.0 | 5270.8 | 5380.7 | 5495.7 | 5560.6 | 5715.5 | 5750.5 |
| 20° | 4781.2 | 4791.2 | 4911.1 | 5140.9 | 5410.7 | 5620.6 | 5700.5 | 5760.4 | 5735.5 | 5895.3 | 5925.3 |
| 22.5° | 5081.0 | 5091.0 | 5240.9 | 5550.6 | 5840.4 | 6020.2 | 6055.2 | 6020.2 | 5945.3 | 6060.2 | 6070.2 |
| 25° | 5385.7 | 5475.7 | 5585.6 | 5895.3 | 6255.1 | 6494.9 | 6499.9 | 6404.9 | 6250.1 | 6270.0 | 6320.0 |
| 27.5° | 5860.4 | 5925.3 | 6040.2 | 6325.0 | 6719.7 | 6989.5 | 6944.5 | 6829.6 | 6629.8 | 6644.7 | 6629.8 |
| 30° | 6414.9 | 6474.9 | 6569.8 | 6934.5 | 7224.3 | 7519.1 | 7584.0 | 7474.1 | 7174.3 | 7109.4 | 7184.3 |
| 32.5° | 7084.4 | 7169.3 | 7344.2 | 7678.9 | 7923.7 | 8103.6 | 8148.6 | 8108.6 | 7828.8 | 7803.8 | 7853.8 |
| 35° | 7898.8 | 8013.7 | 8173.5 | 8468.3 | 8668.1 | 8992.9 | 8992.9 | 8858.0 | 8603.2 | 8633.2 | 8628.2 |
| 37.5° | 8758.1 | 8927.9 | 9177.7 | 9477.5 | 9747.3 | 9922.2 | 9867.2 | 9752.3 | 9497.5 | 9432.5 | 9497.5 |
| 40° | 9837.2 | 9922.2 | 10236.9 | 10626.6 | 10956.3 | 11156.2 | 10921.4 | 10671.6 | 10062.0 | 10157.0 | 10331.8 |
| 42.5° | 10821.4 | 10956.3 | 11196.2 | 11625.8 | 12000.5 | 12165.4 | 11885.6 | 11391.0 | 10656.6 | 10581.6 | 10711.5 |
| 45° | 11660.8 | 11805.7 | 12120.4 | 12734.9 | 13129.6 | 13274.5 | 12655.0 | 11855.6 | 11016.3 | 10826.4 | 10881.4 |
| 47.5° | 12220.3 | 12295.3 | 12734.9 | 13319.5 | 13679.2 | 14008.9 | 13119.6 | 12175.4 | 11186.2 | 10826.4 | 10806.5 |
| 50° | 12005.5 | 12135.4 | 12650.0 | 13314.5 | 13969.0 | 14203.8 | 13354.4 | 12420.2 | 11241.1 | 10781.5 | 10721.5 |
| 52.5° | 10661.6 | 10886.4 | 11460.9 | 12355.2 | 13344.5 | 14183.8 | 13679.2 | 12340.2 | 11221.1 | 10826.4 | 10916.4 |
| 55° | 7419.1 | 7424.1 | 8123.6 | 9442.5 | 11191.2 | 13169.6 | 13204.6 | 12430.2 | 11351.0 | 11106.2 | 11111.2 |
| 57.5° | 2982.6 | 3132.5 | 3667.1 | 4991.1 | 6604.8 | 9042.9 | 10751.5 | 11530.9 | 11366.0 | 11306.1 | 11460.9 |
| 60° | 754.4 | 759.4 | 924.3 | 1408.9 | 2323.2 | 3876.9 | 5630.6 | 7619.0 | 8773.1 | 9167.8 | 9222.7 |
| 62.5° | 384.7 | 389.7 | 429.7 | 499.6 | 634.5 | 1039.2 | 1848.5 | 2932.7 | 4171.7 | 4801.2 | 4966.1 |
| 65° | 314.8 | 314.8 | 339.7 | 374.7 | 379.7 | 399.7 | 479.6 | 684.5 | 994.2 | 1129.1 | 1144.1 |
| 67.5° | 239.8 | 239.8 | 259.8 | 279.8 | 289.8 | 284.8 | 274.8 | 284.8 | 344.7 | 329.7 | 319.7 |
| 70° | 149.9 | 154.9 | 164.9 | 184.9 | 194.8 | 199.8 | 204.8 | 214.8 | 244.8 | 254.8 | 244.8 |
| 72.5° | 89.9 | 89.9 | 94.9 | 109.9 | 124.9 | 134.9 | 149.9 | 159.9 | 174.9 | 199.8 | 194.8 |
| 75° | 40.0 | 40.0 | 50.0 | 64.9 | 79.9 | 94.9 | 109.9 | 124.9 | 134.9 | 149.9 | 154.9 |
| 77.5° | 10.0 | 15.0 | 25.0 | 45.0 | 60.0 | 79.9 | 99.9 | 114.9 | 124.9 | 124.9 | 119.9 |
| 80° | 5.0 | 5.0 | 20.0 | 35.0 | 64.9 | 84.9 | 109.9 | 119.9 | 134.9 | 124.9 | 109.9 |
| 82.5° | 5.0 | 5.0 | 20.0 | 35.0 | 60.0 | 84.9 | 114.9 | 129.9 | 139.9 | 124.9 | 104.9 |
| 85° | 0.0 | 5.0 | 15.0 | 30.0 | 50.0 | 60.0 | 50.0 | 35.0 | 20.0 | 20.0 | 15.0 |
| 87.5° | 0.0 | 0.0 | 5.0 | 5.0 | 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)