

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385399

Luminaire Tested: GAW-SA1A-722-U-5NQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1A-722-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3774 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

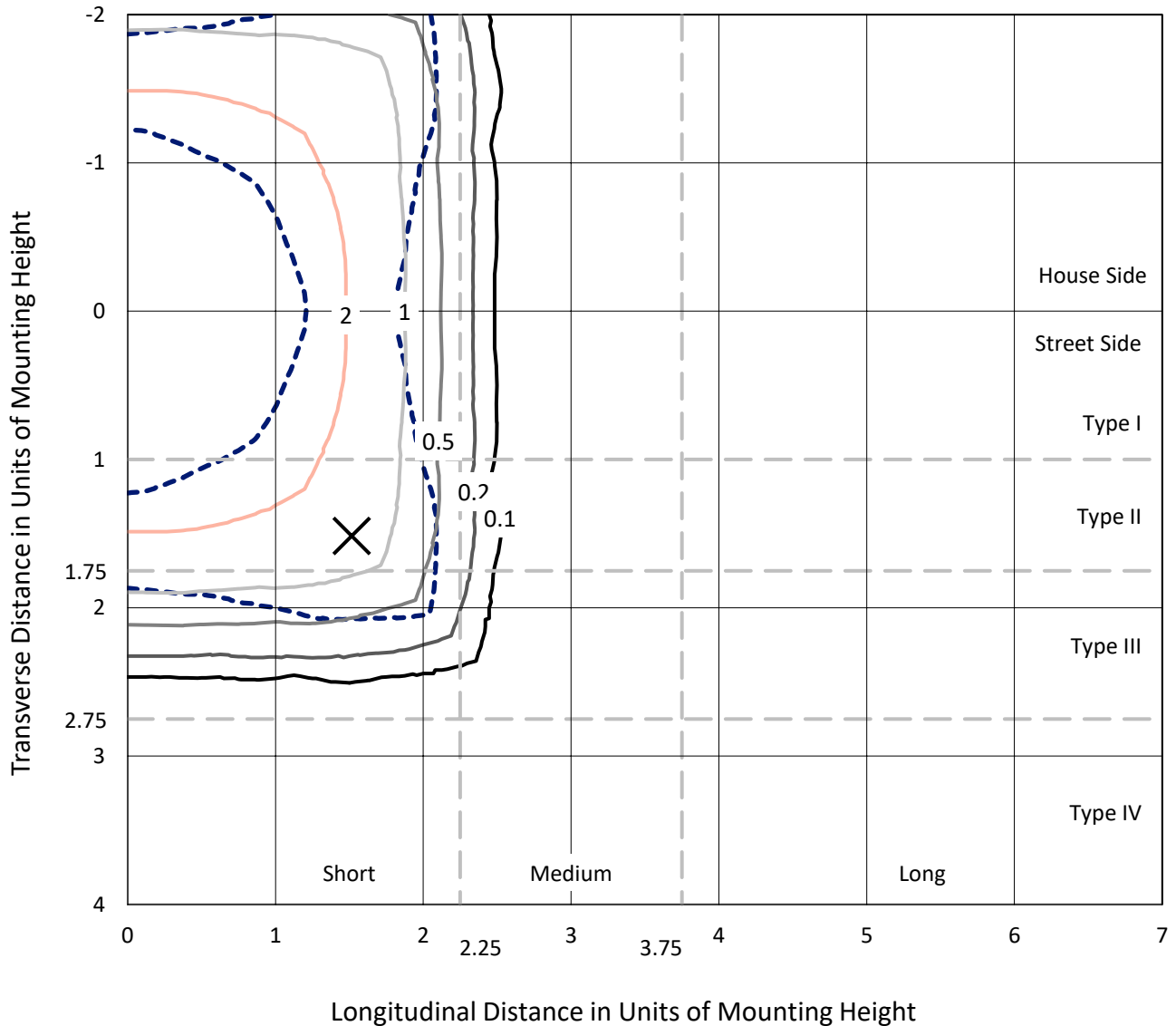
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

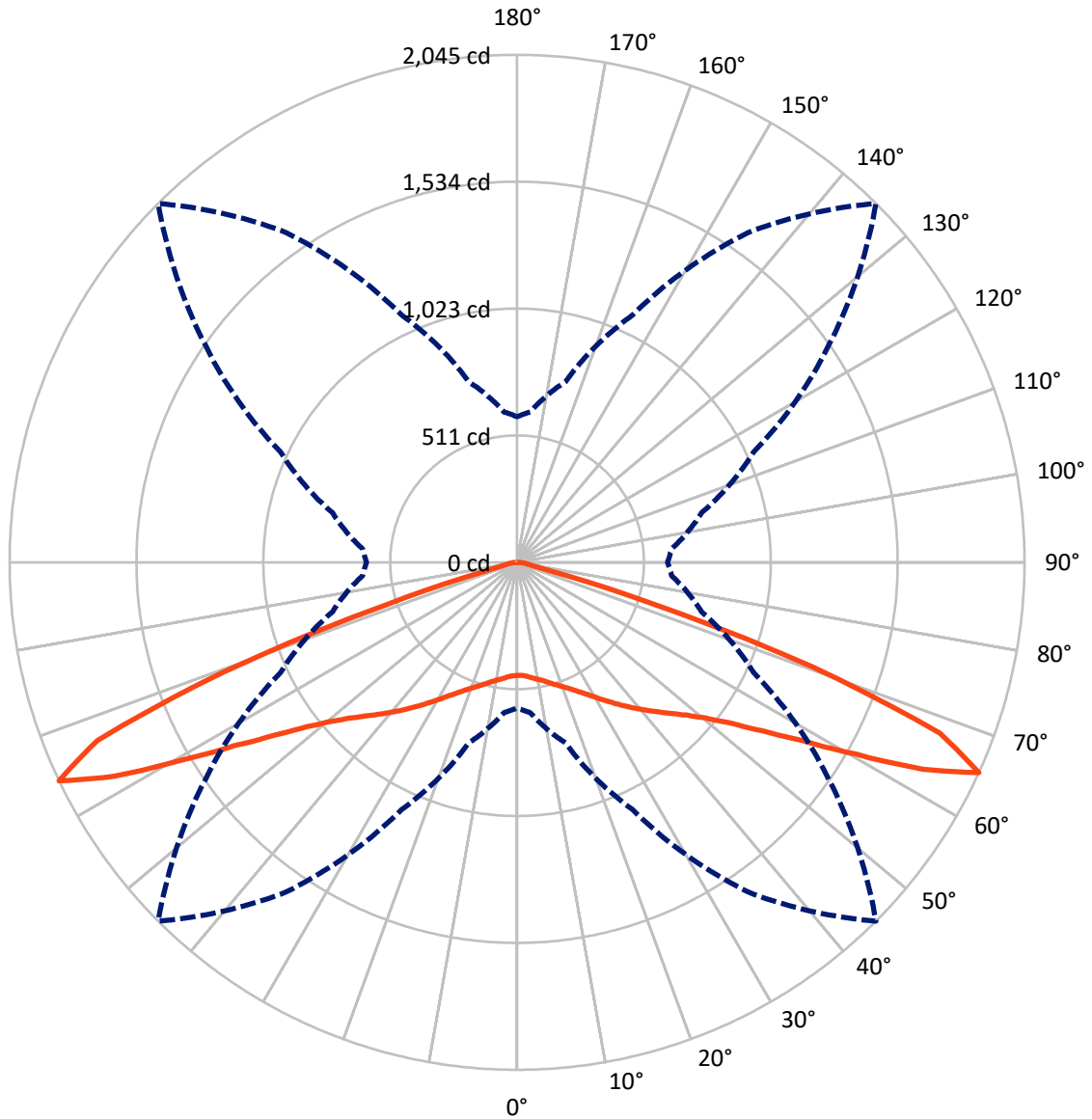
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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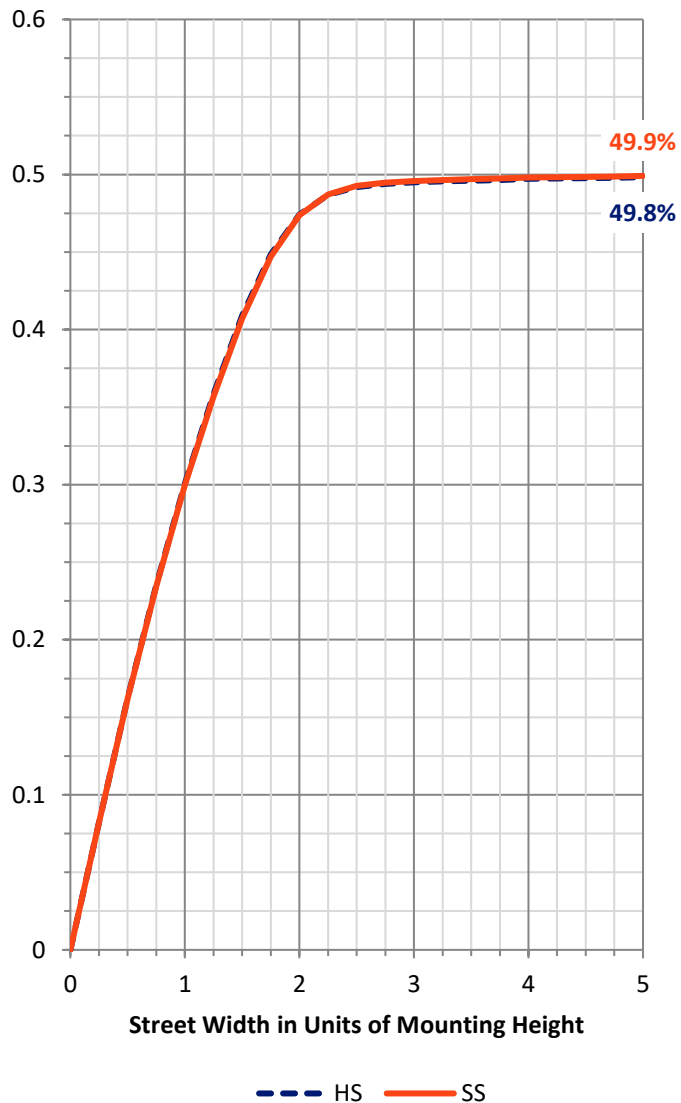
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1887.0 | 0.0 | 1887.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1887.0 | 0.0 | 1887.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3774.0 | 0.0 | 3774.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.7 | 1.2 |
| 10°-20° | 143.7 | 3.8 |
| 20°-30° | 269.7 | 7.1 |
| 30°-40° | 446.0 | 11.8 |
| 40°-50° | 690.7 | 18.3 |
| 50°-60° | 1059.4 | 28.1 |
| 60°-70° | 988.5 | 26.2 |
| 70°-80° | 115.1 | 3.0 |
| 80°-90° | 16.2 | 0.4 |
| 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° | 3774.0 | 100.0 |
| 0°-180° | 3774.0 | 100.0 |

Coefficient of Utilization

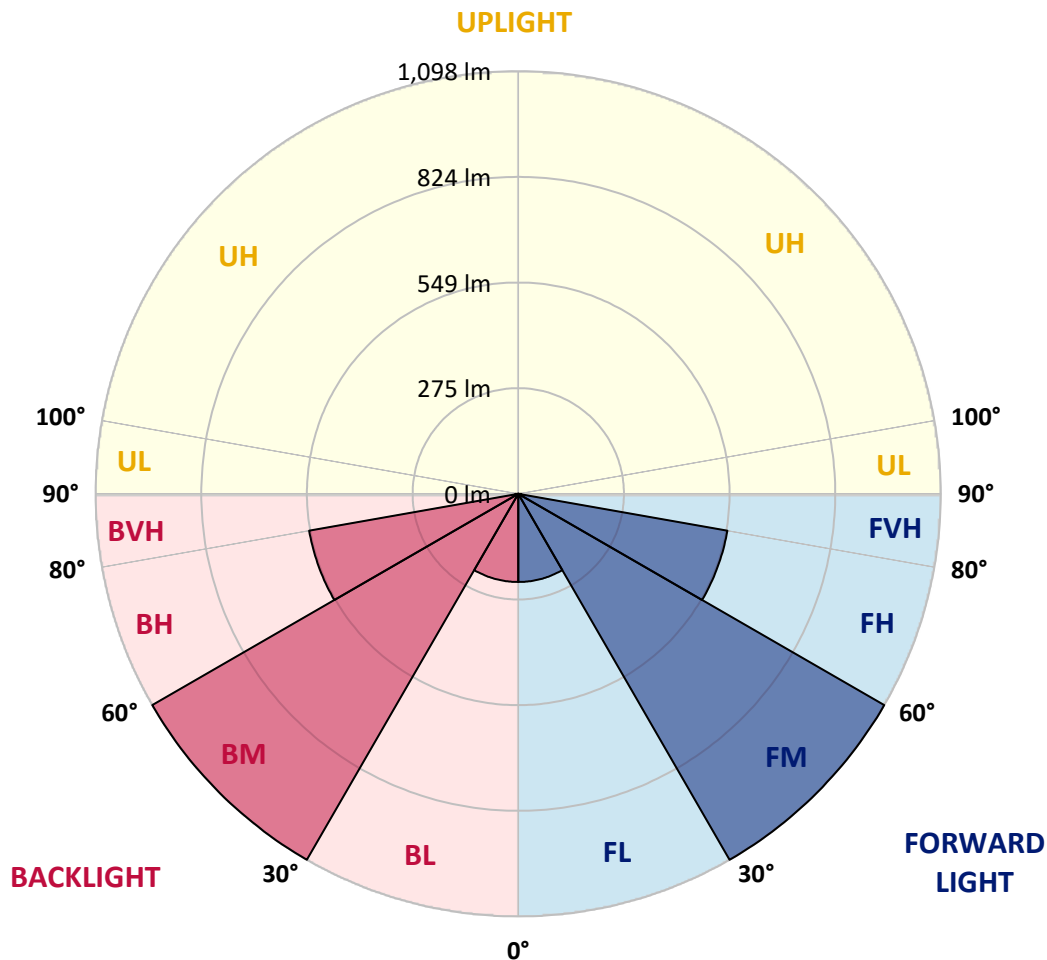


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 229.1 | 6.1 | | | |
| FM (30°-60°) | 1098.1 | 29.1 | | | |
| FH (60°-80°) | 551.8 | 14.6 | | | G0/660 |
| FVH (80°-90°) | 8.1 | 0.2 | | | G0/10 |
| BL (0°-30°) | 229.1 | 6.1 | B1/500 | | |
| BM (30°-60°) | 1098.1 | 29.1 | B2/2500 | | |
| BH (60°-80°) | 551.8 | 14.6 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 8.1 | 0.2 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 | 455.8 |
| 2.5° | 457.3 | 457.0 | 457.3 | 457.4 | 456.6 | 457.0 | 456.9 | 457.5 | 457.8 | 457.5 | 457.5 |
| 5° | 462.5 | 462.1 | 462.6 | 463.3 | 462.3 | 462.5 | 462.1 | 462.9 | 463.1 | 462.6 | 463.0 |
| 7.5° | 469.8 | 469.9 | 470.4 | 471.5 | 470.9 | 471.4 | 470.7 | 470.8 | 470.7 | 469.9 | 470.0 |
| 10° | 477.7 | 477.8 | 478.7 | 480.2 | 480.4 | 480.4 | 479.9 | 479.6 | 479.1 | 478.6 | 478.7 |
| 12.5° | 487.2 | 487.8 | 488.5 | 490.3 | 490.3 | 491.3 | 491.1 | 490.1 | 489.2 | 488.5 | 488.5 |
| 15° | 500.1 | 500.0 | 500.7 | 502.6 | 503.5 | 505.1 | 505.1 | 503.7 | 502.6 | 501.9 | 501.6 |
| 17.5° | 513.6 | 514.0 | 514.5 | 516.8 | 518.1 | 520.0 | 520.3 | 519.1 | 518.4 | 517.4 | 516.8 |
| 20° | 529.4 | 530.0 | 532.1 | 532.9 | 534.2 | 535.9 | 536.6 | 536.3 | 535.6 | 535.1 | 535.2 |
| 22.5° | 547.8 | 549.5 | 550.7 | 552.0 | 553.5 | 554.7 | 555.4 | 556.2 | 555.5 | 555.1 | 554.9 |
| 25° | 570.1 | 571.3 | 573.8 | 576.0 | 577.0 | 577.4 | 578.2 | 579.4 | 579.3 | 578.4 | 578.4 |
| 27.5° | 595.4 | 597.6 | 600.7 | 604.0 | 604.0 | 602.7 | 605.2 | 607.3 | 606.6 | 605.5 | 604.0 |
| 30° | 626.1 | 628.1 | 631.8 | 636.3 | 634.0 | 633.2 | 636.5 | 640.4 | 639.3 | 637.4 | 637.2 |
| 32.5° | 659.2 | 661.1 | 665.8 | 670.7 | 667.9 | 666.6 | 670.2 | 675.9 | 673.9 | 670.1 | 667.9 |
| 35° | 695.0 | 696.9 | 703.7 | 709.6 | 704.7 | 702.6 | 705.6 | 711.7 | 708.2 | 701.2 | 699.4 |
| 37.5° | 734.0 | 735.0 | 743.8 | 749.8 | 746.4 | 740.8 | 744.5 | 749.0 | 746.0 | 737.5 | 734.1 |
| 40° | 774.5 | 778.1 | 788.2 | 795.3 | 789.4 | 780.5 | 786.7 | 793.0 | 788.5 | 777.6 | 771.8 |
| 42.5° | 821.7 | 824.4 | 838.0 | 844.2 | 834.7 | 822.2 | 830.7 | 839.2 | 834.7 | 824.2 | 819.2 |
| 45° | 870.8 | 875.1 | 891.2 | 897.5 | 883.7 | 867.8 | 878.2 | 893.1 | 892.7 | 877.6 | 872.3 |
| 47.5° | 924.3 | 928.6 | 947.8 | 956.1 | 941.2 | 919.9 | 934.6 | 955.6 | 954.1 | 937.4 | 933.2 |
| 50° | 986.1 | 990.6 | 1014.6 | 1025.0 | 1011.1 | 986.3 | 1008.4 | 1026.9 | 1024.1 | 1003.6 | 1004.0 |
| 52.5° | 1063.6 | 1063.4 | 1093.3 | 1111.3 | 1097.1 | 1075.1 | 1095.4 | 1113.5 | 1102.1 | 1073.6 | 1072.7 |
| 55° | 1131.5 | 1135.6 | 1172.7 | 1206.9 | 1206.0 | 1197.6 | 1205.8 | 1206.5 | 1174.0 | 1136.1 | 1131.5 |
| 57.5° | 1176.1 | 1184.0 | 1236.2 | 1298.1 | 1344.5 | 1355.6 | 1339.8 | 1292.0 | 1215.7 | 1155.2 | 1147.8 |
| 60° | 1148.7 | 1160.7 | 1242.7 | 1368.9 | 1505.5 | 1571.0 | 1481.9 | 1333.5 | 1183.2 | 1098.9 | 1088.9 |
| 62.5° | 963.5 | 983.8 | 1103.9 | 1334.7 | 1644.0 | 1835.6 | 1584.9 | 1266.9 | 1054.2 | 938.1 | 920.9 |
| 65° | 586.8 | 608.2 | 753.0 | 1098.6 | 1621.6 | 2045.0 | 1537.9 | 1051.6 | 769.5 | 625.0 | 606.5 |
| 67.5° | 195.6 | 201.8 | 287.1 | 607.2 | 1274.4 | 1837.4 | 1276.6 | 629.5 | 334.9 | 222.0 | 215.5 |
| 70° | 76.5 | 77.2 | 91.1 | 176.0 | 601.8 | 1262.0 | 664.1 | 179.1 | 95.2 | 75.3 | 76.9 |
| 72.5° | 56.2 | 56.5 | 60.4 | 73.5 | 156.8 | 556.0 | 162.5 | 73.9 | 58.8 | 52.7 | 52.7 |
| 75° | 45.2 | 45.2 | 48.0 | 53.6 | 70.3 | 127.5 | 71.3 | 53.0 | 46.0 | 42.1 | 41.6 |
| 77.5° | 35.7 | 36.5 | 38.6 | 42.2 | 47.6 | 61.4 | 49.4 | 42.0 | 37.1 | 33.4 | 32.7 |
| 80° | 26.6 | 27.3 | 30.8 | 32.6 | 34.2 | 42.6 | 36.5 | 32.8 | 29.3 | 25.1 | 24.3 |
| 82.5° | 17.4 | 18.2 | 22.5 | 23.6 | 23.2 | 27.8 | 24.6 | 24.2 | 21.5 | 16.2 | 15.4 |
| 85° | 11.4 | 11.7 | 15.0 | 15.7 | 14.4 | 12.7 | 15.7 | 16.5 | 15.0 | 10.5 | 10.1 |
| 87.5° | 5.4 | 5.4 | 7.6 | 7.1 | 6.5 | 5.3 | 7.1 | 8.4 | 8.5 | 5.1 | 5.0 |
| 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)