

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: P526739

Luminaire Tested: **GLAN-SA1D-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526739
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-SA1D-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3929 lumens
Efficiency: N/A
Efficacy: 60.4 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

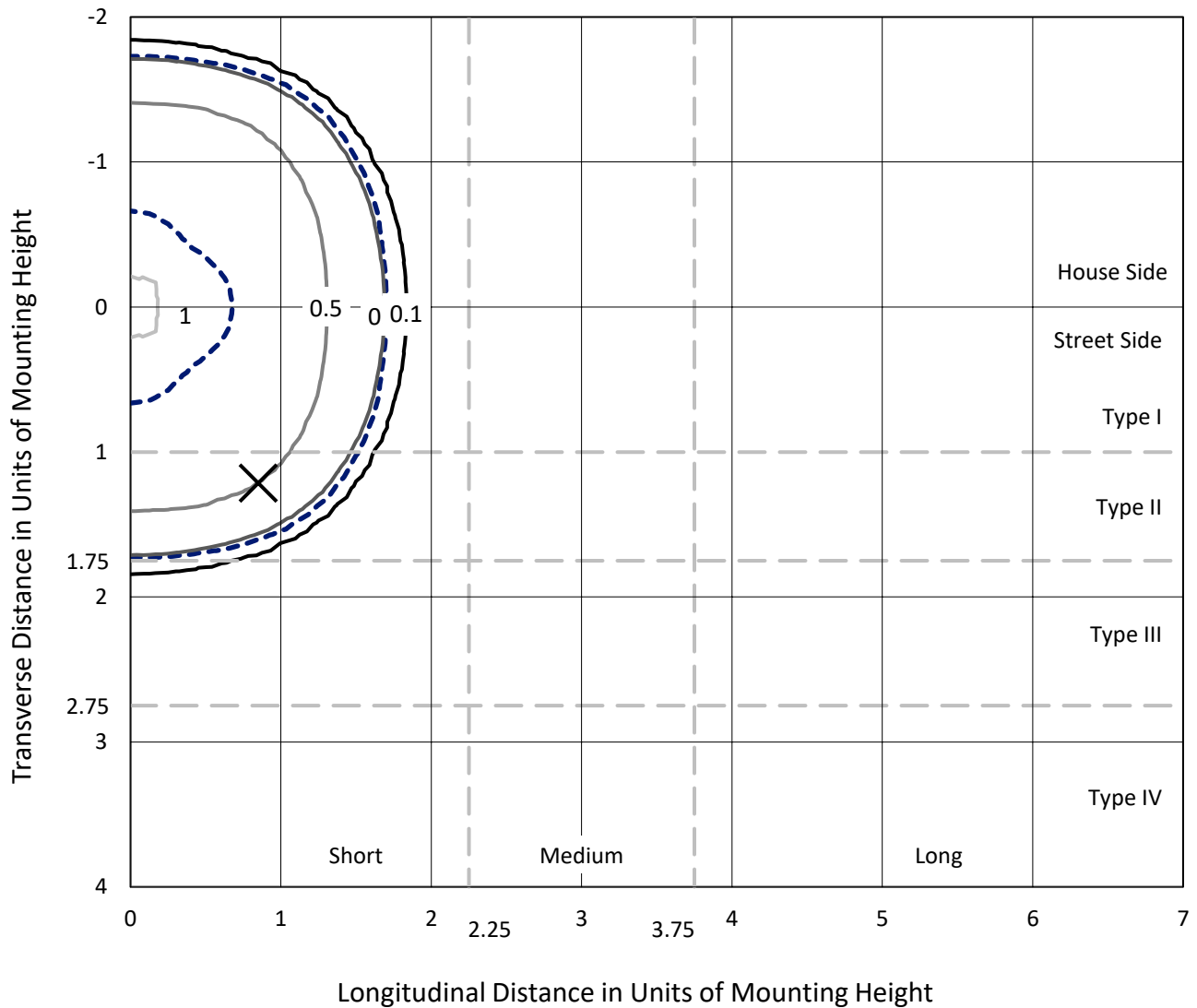
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

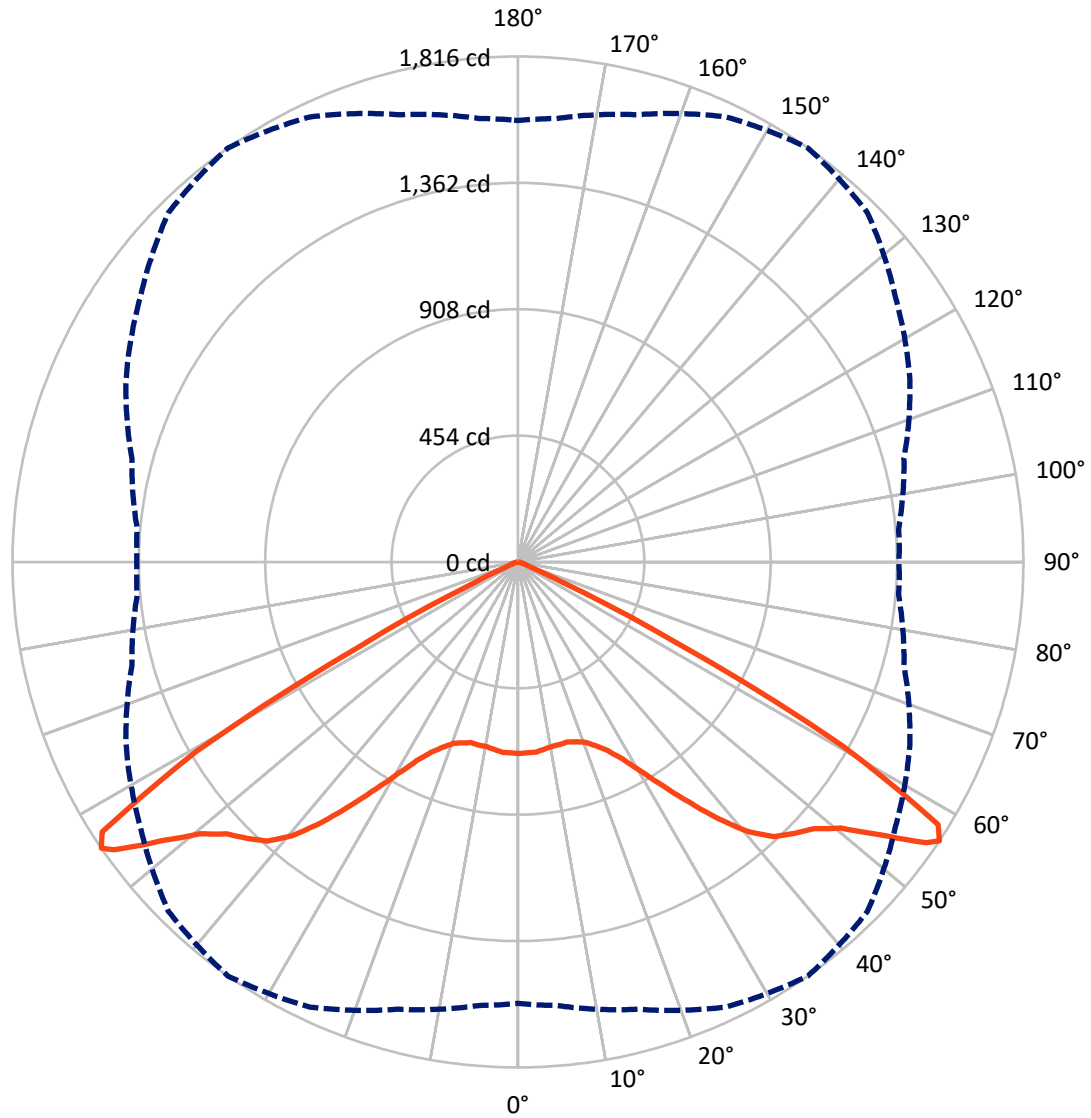
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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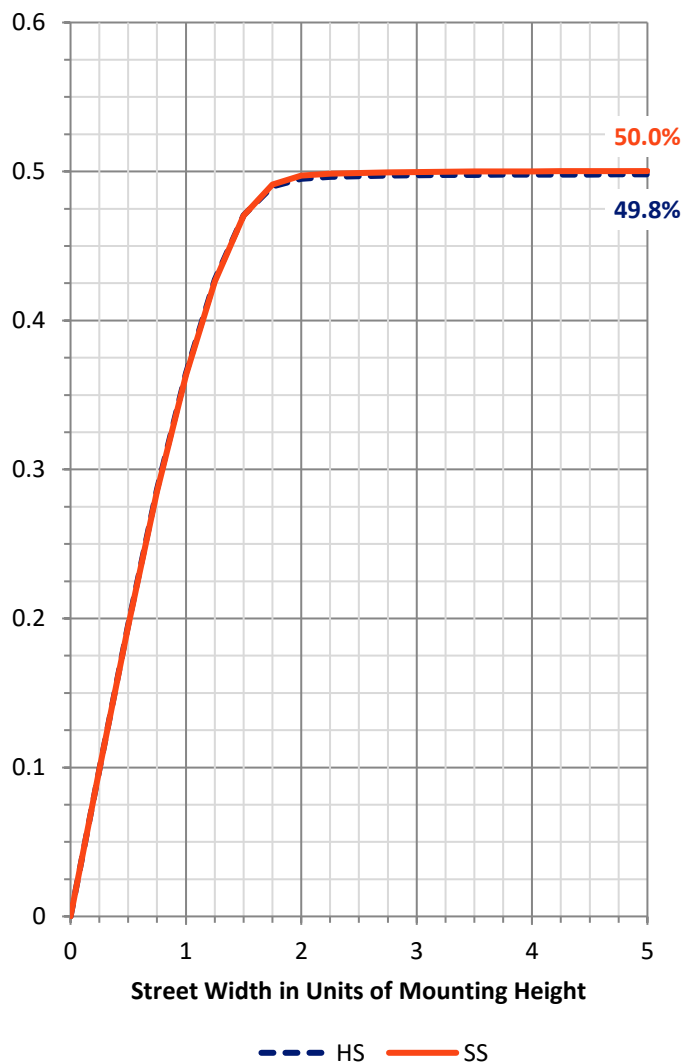
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1964.5 | 0.0 | 1964.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1964.5 | 0.0 | 1964.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3929.0 | 0.0 | 3929.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.7 | 1.6 |
| 10°-20° | 188.9 | 4.8 |
| 20°-30° | 342.1 | 8.7 |
| 30°-40° | 634.3 | 16.1 |
| 40°-50° | 1041.2 | 26.5 |
| 50°-60° | 1341.4 | 34.1 |
| 60°-70° | 295.6 | 7.5 |
| 70°-80° | 17.1 | 0.4 |
| 80°-90° | 3.6 | 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° | 3929.0 | 100.0 |
| 0°-180° | 3929.0 | 100.0 |

Coefficient of Utilization



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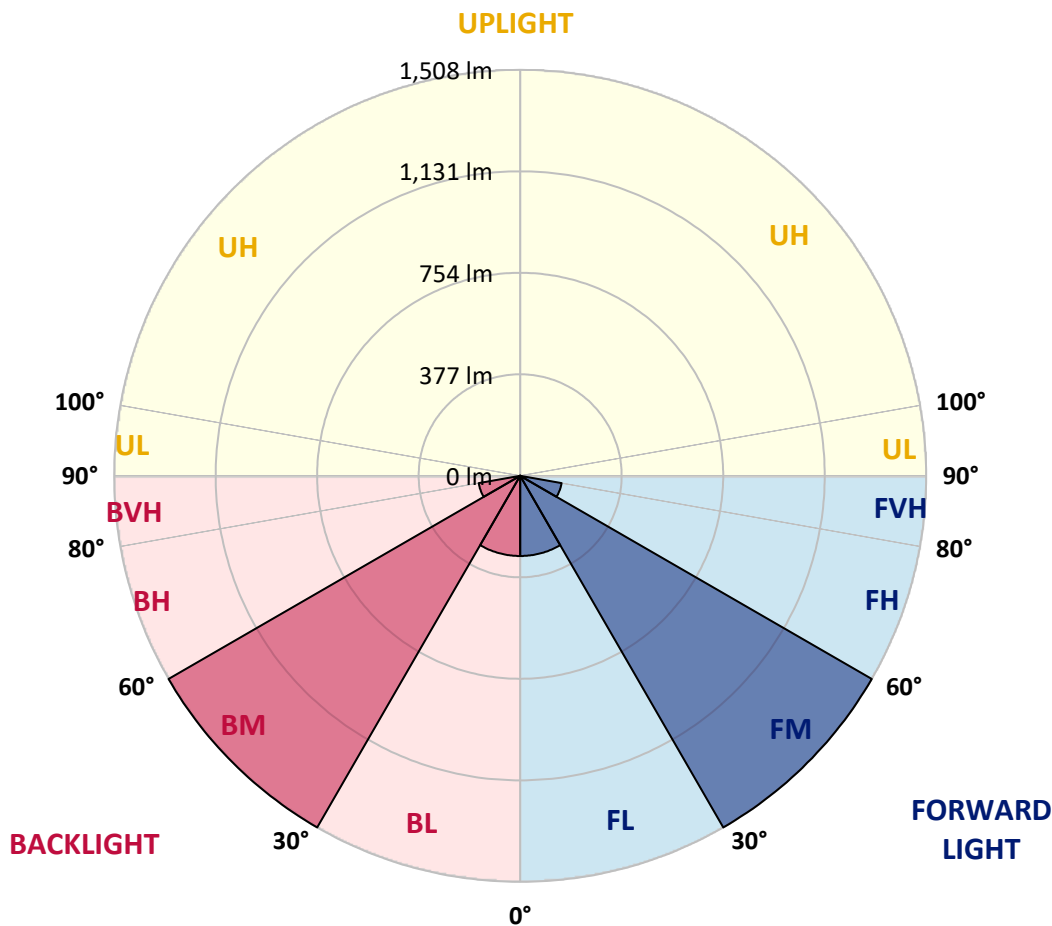
CATALOG NUMBER: GLAN-SA1D-727-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 297.8 | 7.6 | | | |
| FM (30°-60°) | 1508.5 | 38.4 | | | |
| FH (60°-80°) | 156.4 | 4.0 | | | G0/660 |
| FVH (80°-90°) | 1.8 | 0.0 | | | G0/10 |
| BL (0°-30°) | 297.8 | 7.6 | B1/500 | | |
| BM (30°-60°) | 1508.5 | 38.4 | B2/2500 | | |
| BH (60°-80°) | 156.4 | 4.0 | B1/500 | | G0/660 |
| BVH (80°-90°) | 1.8 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: 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° | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 | 688.4 |
| 2.5° | 689.9 | 689.9 | 690.6 | 691.3 | 686.3 | 684.2 | 684.9 | 683.5 | 682.7 | 684.9 | 684.9 |
| 5° | 687.7 | 687.7 | 685.6 | 686.3 | 686.3 | 679.9 | 679.9 | 681.3 | 681.3 | 677.1 | 675.6 |
| 7.5° | 682.0 | 680.6 | 677.8 | 681.3 | 679.2 | 679.2 | 674.2 | 670.6 | 669.2 | 672.1 | 669.2 |
| 10° | 669.9 | 670.6 | 673.5 | 674.9 | 673.5 | 677.8 | 669.2 | 664.2 | 659.3 | 657.1 | 657.1 |
| 12.5° | 664.2 | 668.5 | 664.2 | 667.8 | 672.8 | 669.2 | 664.2 | 660.7 | 653.6 | 650.7 | 650.7 |
| 15° | 663.5 | 666.4 | 667.8 | 672.8 | 670.6 | 672.1 | 662.1 | 657.8 | 647.2 | 642.2 | 640.0 |
| 17.5° | 662.8 | 666.4 | 668.5 | 677.8 | 679.2 | 679.9 | 672.1 | 659.3 | 650.0 | 645.0 | 640.0 |
| 20° | 670.6 | 672.1 | 676.3 | 685.6 | 691.3 | 701.3 | 687.0 | 673.5 | 653.6 | 647.9 | 645.7 |
| 22.5° | 680.6 | 687.7 | 692.0 | 702.0 | 716.9 | 725.5 | 707.0 | 689.9 | 669.2 | 662.1 | 653.6 |
| 25° | 712.7 | 711.2 | 718.3 | 739.0 | 751.1 | 757.5 | 742.6 | 717.6 | 690.6 | 682.0 | 683.5 |
| 27.5° | 752.5 | 753.9 | 760.4 | 783.1 | 800.9 | 810.9 | 793.1 | 760.4 | 734.0 | 719.8 | 718.3 |
| 30° | 804.5 | 803.1 | 810.2 | 840.8 | 872.8 | 887.8 | 856.5 | 818.0 | 792.4 | 773.9 | 778.1 |
| 32.5° | 859.3 | 860.0 | 880.0 | 907.7 | 959.7 | 988.9 | 938.3 | 891.3 | 852.9 | 840.1 | 833.7 |
| 35° | 940.5 | 944.0 | 959.7 | 1002.4 | 1060.1 | 1097.8 | 1042.3 | 986.0 | 941.9 | 918.4 | 921.2 |
| 37.5° | 1040.9 | 1037.3 | 1063.6 | 1109.9 | 1170.4 | 1198.2 | 1151.2 | 1087.1 | 1042.3 | 1026.6 | 1036.6 |
| 40° | 1147.6 | 1151.2 | 1164.7 | 1206.7 | 1274.4 | 1292.9 | 1223.1 | 1188.2 | 1149.1 | 1141.2 | 1153.3 |
| 42.5° | 1254.4 | 1252.3 | 1262.3 | 1300.0 | 1349.1 | 1336.3 | 1295.0 | 1274.4 | 1246.6 | 1230.9 | 1247.3 |
| 45° | 1332.8 | 1329.2 | 1347.7 | 1373.3 | 1391.1 | 1366.9 | 1348.4 | 1341.3 | 1327.1 | 1310.0 | 1324.9 |
| 47.5° | 1408.9 | 1406.1 | 1423.9 | 1431.0 | 1432.4 | 1400.4 | 1403.9 | 1416.8 | 1381.2 | 1345.6 | 1362.7 |
| 50° | 1473.7 | 1468.7 | 1490.8 | 1506.5 | 1502.9 | 1451.6 | 1464.5 | 1451.6 | 1396.1 | 1354.1 | 1347.7 |
| 52.5° | 1581.9 | 1584.1 | 1607.6 | 1636.0 | 1627.5 | 1584.8 | 1566.3 | 1507.9 | 1436.7 | 1399.0 | 1376.9 |
| 55° | 1650.3 | 1639.6 | 1680.2 | 1770.6 | 1780.6 | 1736.4 | 1654.5 | 1568.4 | 1461.6 | 1415.3 | 1409.6 |
| 56° | 1586.2 | 1599.7 | 1663.8 | 1764.9 | 1816.2 | 1775.6 | 1656.7 | 1553.5 | 1436.0 | 1373.3 | 1369.1 |
| 57.5° | 1423.2 | 1416.0 | 1502.9 | 1641.0 | 1780.6 | 1763.5 | 1598.3 | 1446.7 | 1310.0 | 1239.5 | 1230.9 |
| 60° | 885.7 | 906.3 | 982.5 | 1153.3 | 1339.9 | 1348.4 | 1184.7 | 1054.4 | 894.9 | 832.3 | 847.2 |
| 62.5° | 346.7 | 328.9 | 376.6 | 504.1 | 632.2 | 660.7 | 598.7 | 497.6 | 408.7 | 346.7 | 342.4 |
| 65° | 80.4 | 78.3 | 88.3 | 121.7 | 170.2 | 197.2 | 187.2 | 134.6 | 99.0 | 94.0 | 86.9 |
| 67.5° | 45.6 | 45.6 | 43.4 | 43.4 | 47.7 | 50.5 | 48.4 | 47.7 | 49.8 | 52.0 | 51.3 |
| 70° | 32.0 | 31.3 | 29.9 | 30.6 | 29.2 | 29.2 | 31.3 | 34.9 | 37.7 | 37.7 | 38.4 |
| 72.5° | 19.2 | 19.2 | 19.2 | 21.4 | 21.4 | 21.4 | 23.5 | 26.3 | 27.1 | 26.3 | 25.6 |
| 75° | 8.5 | 8.5 | 10.0 | 12.1 | 13.5 | 14.2 | 16.4 | 17.8 | 19.2 | 17.8 | 16.4 |
| 77.5° | 2.1 | 2.1 | 3.6 | 5.0 | 6.4 | 7.8 | 10.7 | 12.8 | 13.5 | 12.8 | 10.7 |
| 80° | 0.7 | 0.7 | 1.4 | 3.6 | 6.4 | 7.8 | 10.7 | 11.4 | 12.1 | 10.7 | 8.5 |
| 82.5° | 0.7 | 0.7 | 1.4 | 3.6 | 5.0 | 6.4 | 8.5 | 10.0 | 10.7 | 9.3 | 8.5 |
| 85° | 0.0 | 0.7 | 1.4 | 2.8 | 4.3 | 5.7 | 5.7 | 4.3 | 3.6 | 2.1 | 2.8 |
| 87.5° | 0.0 | 0.0 | 0.7 | 0.7 | 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)