

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: P526142

Luminaire Tested: **GLAN-SA1A-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-750-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4084 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

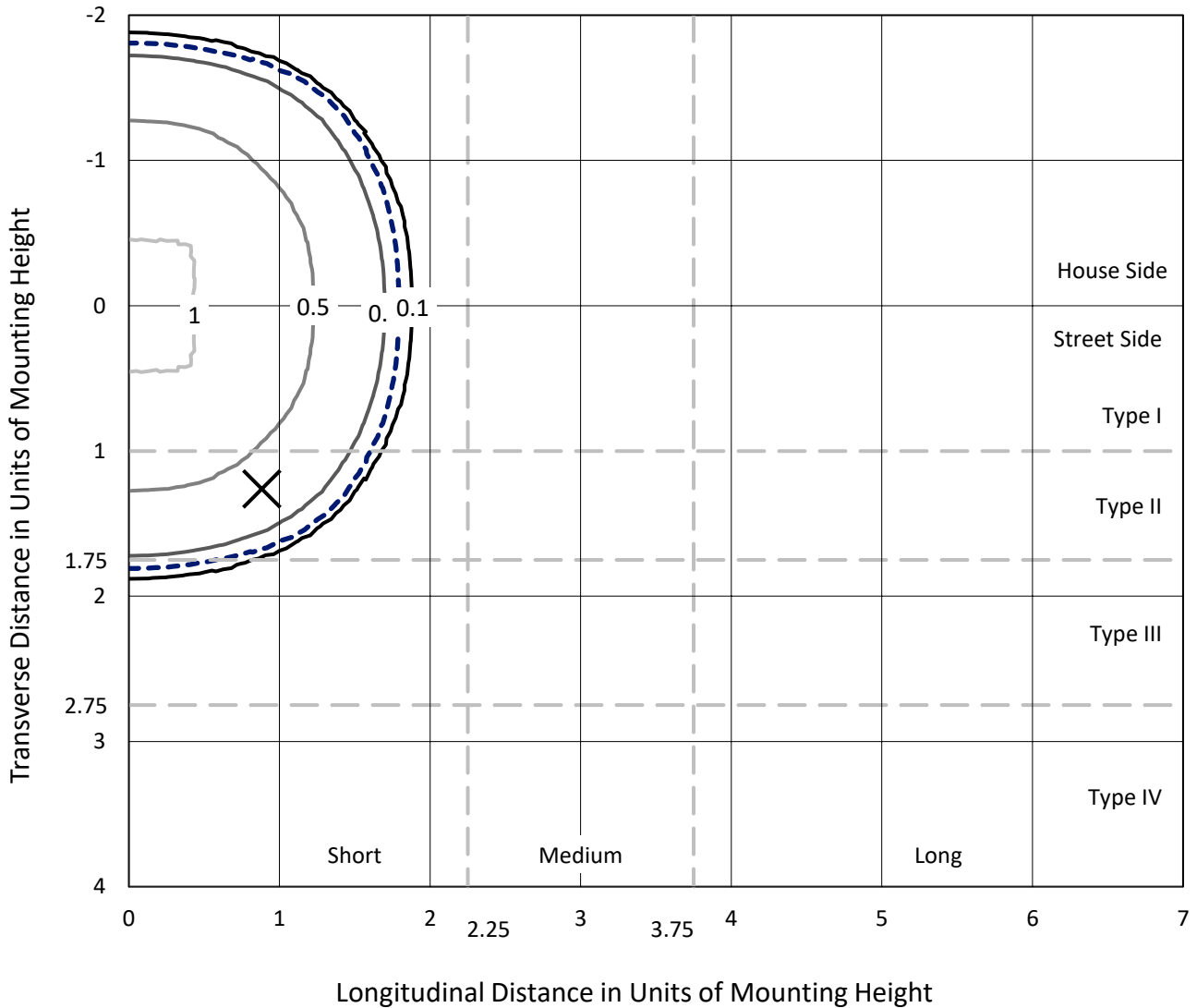
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

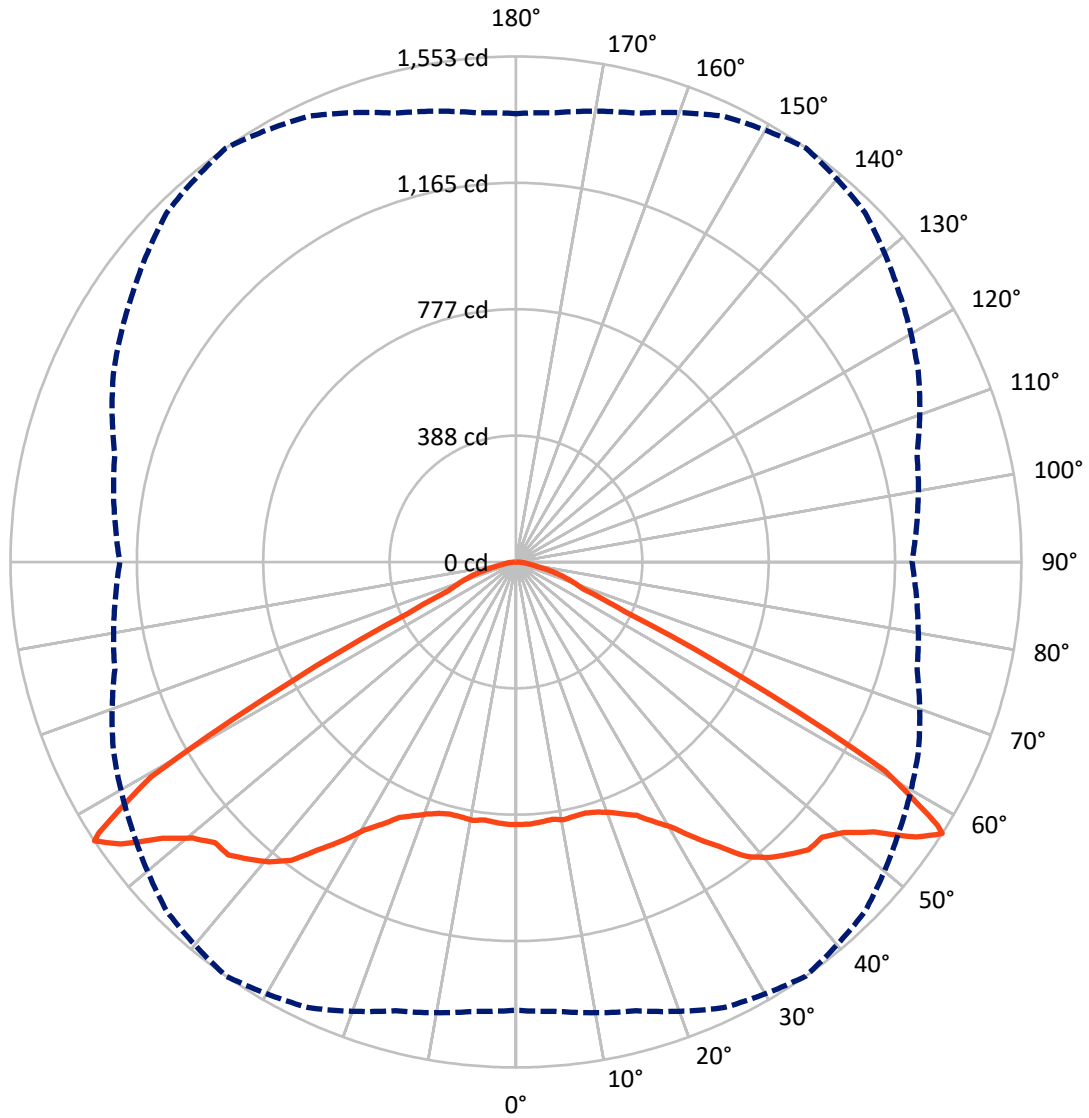
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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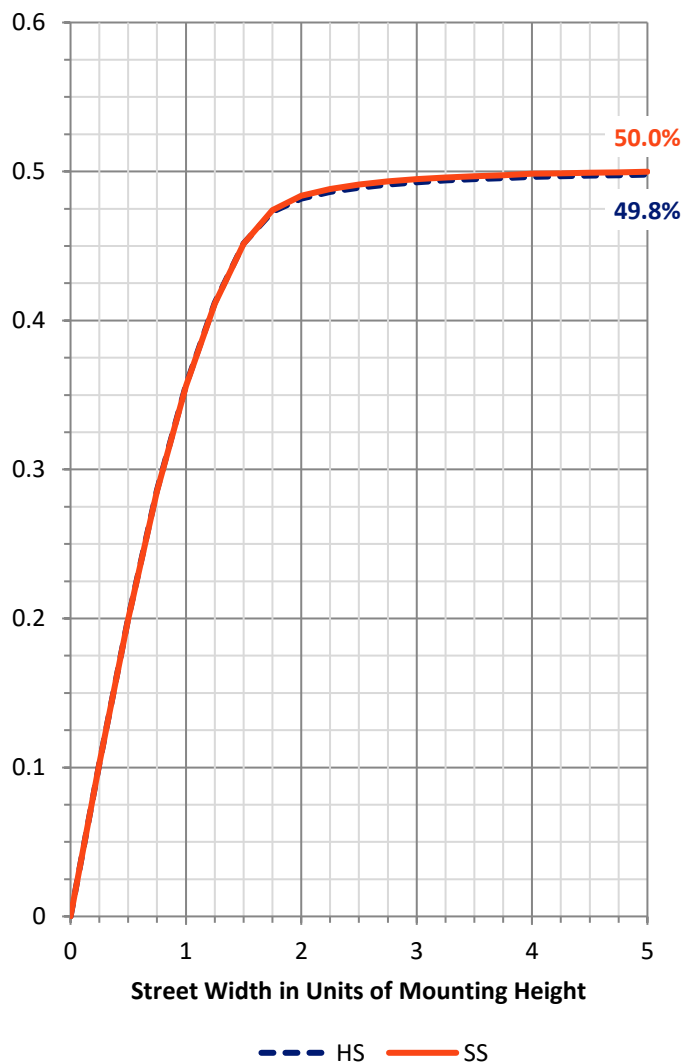
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2042.0 | 0.0 | 2042.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2042.0 | 0.0 | 2042.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4084.0 | 0.0 | 4084.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.5 | 1.9 |
| 10°-20° | 226.5 | 5.5 |
| 20°-30° | 395.5 | 9.7 |
| 30°-40° | 648.1 | 15.9 |
| 40°-50° | 950.2 | 23.3 |
| 50°-60° | 1196.9 | 29.3 |
| 60°-70° | 450.1 | 11.0 |
| 70°-80° | 119.7 | 2.9 |
| 80°-90° | 20.5 | 0.5 |
| 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° | 4084.0 | 100.0 |
| 0°-180° | 4084.0 | 100.0 |

Coefficient of Utilization



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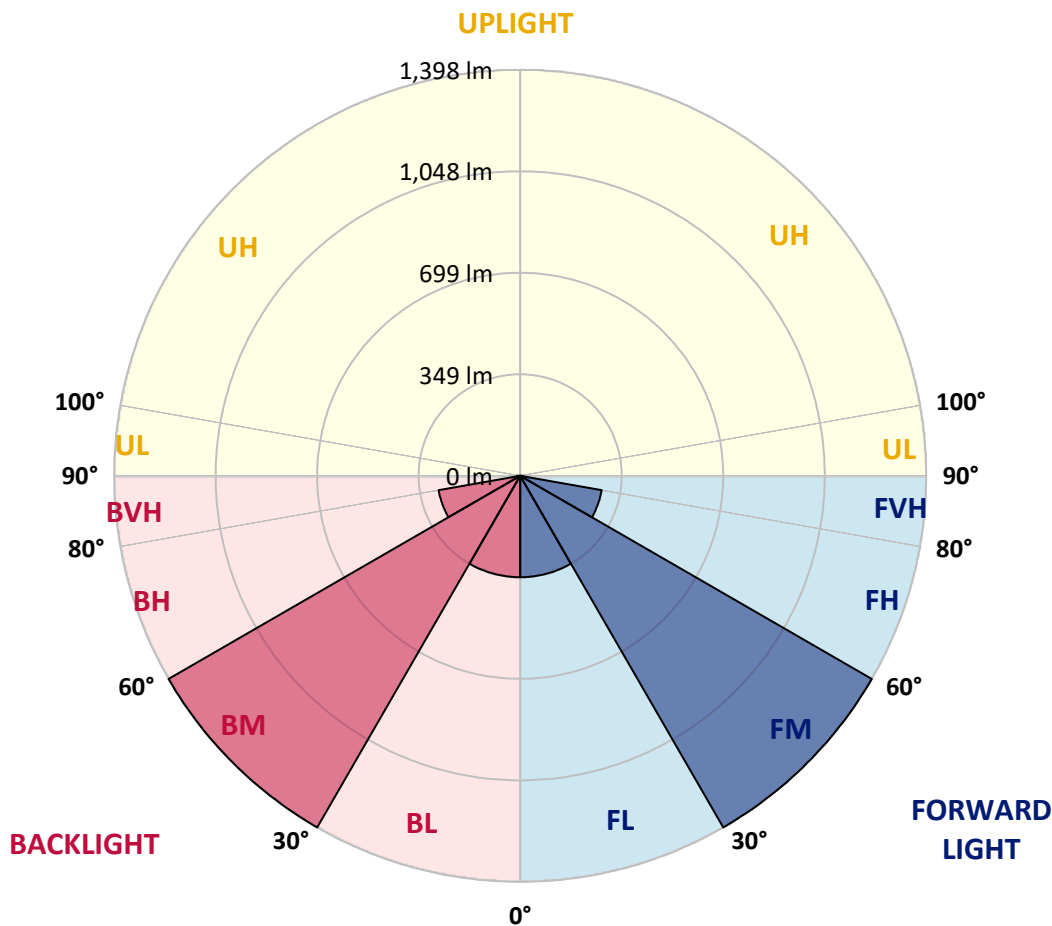
CATALOG NUMBER: GLAN-SA1A-750-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 349.2 | 8.6 | | | |
| FM (30°-60°) | 1397.6 | 34.2 | | | |
| FH (60°-80°) | 284.9 | 7.0 | | | G0/660 |
| FVH (80°-90°) | 10.3 | 0.3 | | | G1/100 |
| BL (0°-30°) | 349.2 | 8.6 | B1/500 | | |
| BM (30°-60°) | 1397.6 | 34.2 | B2/2500 | | |
| BH (60°-80°) | 284.9 | 7.0 | B1/500 | | G0/660 |
| BVH (80°-90°) | 10.3 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 | 806.6 |
| 2.5° | 802.5 | 810.6 | 807.1 | 805.1 | 806.6 | 804.0 | 800.0 | 804.5 | 803.5 | 799.5 | 798.0 |
| 5° | 800.5 | 806.6 | 802.5 | 806.6 | 802.5 | 809.6 | 807.6 | 800.0 | 809.1 | 800.5 | 803.5 |
| 7.5° | 799.0 | 801.0 | 802.0 | 800.0 | 798.5 | 807.1 | 802.5 | 799.0 | 794.0 | 792.5 | 795.0 |
| 10° | 795.5 | 800.5 | 793.0 | 803.0 | 805.1 | 799.0 | 799.0 | 792.5 | 788.4 | 785.9 | 794.5 |
| 12.5° | 804.5 | 796.0 | 795.0 | 800.0 | 801.5 | 804.0 | 797.0 | 793.5 | 785.9 | 786.9 | 785.4 |
| 15° | 794.0 | 797.5 | 798.0 | 799.0 | 800.5 | 806.6 | 800.0 | 792.5 | 789.5 | 778.9 | 779.9 |
| 17.5° | 798.0 | 794.5 | 798.0 | 809.6 | 807.6 | 812.1 | 805.1 | 793.5 | 786.4 | 780.4 | 788.4 |
| 20° | 805.1 | 803.5 | 805.1 | 819.1 | 821.7 | 825.7 | 819.6 | 809.1 | 795.5 | 788.4 | 792.5 |
| 22.5° | 812.6 | 811.6 | 812.6 | 826.2 | 840.8 | 845.8 | 839.8 | 815.1 | 808.1 | 795.0 | 790.5 |
| 25° | 826.2 | 827.2 | 837.8 | 852.9 | 862.4 | 872.0 | 860.9 | 843.3 | 820.6 | 812.6 | 803.0 |
| 27.5° | 856.4 | 858.9 | 864.9 | 887.1 | 903.7 | 912.2 | 896.6 | 872.5 | 858.4 | 841.8 | 839.3 |
| 30° | 893.6 | 893.6 | 904.2 | 923.3 | 945.9 | 959.0 | 939.9 | 911.2 | 894.1 | 885.1 | 879.5 |
| 32.5° | 942.9 | 937.4 | 941.4 | 975.1 | 1010.3 | 1021.4 | 995.7 | 960.5 | 933.4 | 921.3 | 917.3 |
| 35° | 985.2 | 988.7 | 997.8 | 1034.0 | 1073.2 | 1098.9 | 1058.6 | 1012.9 | 985.2 | 974.1 | 972.1 |
| 37.5° | 1040.0 | 1046.1 | 1050.6 | 1100.4 | 1147.7 | 1157.3 | 1118.5 | 1081.8 | 1048.1 | 1039.0 | 1034.0 |
| 40° | 1117.5 | 1113.5 | 1115.0 | 1151.7 | 1194.5 | 1200.5 | 1162.3 | 1136.1 | 1108.5 | 1102.9 | 1102.9 |
| 42.5° | 1181.4 | 1176.9 | 1181.9 | 1195.5 | 1228.2 | 1223.7 | 1202.5 | 1183.4 | 1171.9 | 1165.8 | 1171.9 |
| 45° | 1220.2 | 1219.1 | 1228.2 | 1238.3 | 1261.4 | 1246.3 | 1229.7 | 1232.7 | 1221.7 | 1211.6 | 1211.1 |
| 47.5° | 1262.4 | 1255.9 | 1266.9 | 1282.0 | 1264.4 | 1257.4 | 1256.4 | 1262.9 | 1259.4 | 1241.8 | 1236.3 |
| 50° | 1283.0 | 1280.5 | 1298.1 | 1315.8 | 1306.2 | 1290.1 | 1293.6 | 1304.2 | 1258.9 | 1235.2 | 1221.7 |
| 52.5° | 1338.4 | 1338.9 | 1372.6 | 1382.2 | 1378.1 | 1354.5 | 1362.0 | 1333.4 | 1280.0 | 1246.8 | 1248.3 |
| 55° | 1425.4 | 1421.9 | 1459.7 | 1487.8 | 1492.4 | 1462.2 | 1425.9 | 1385.7 | 1318.8 | 1285.1 | 1275.0 |
| 57° | 1377.6 | 1385.7 | 1427.5 | 1511.0 | 1553.2 | 1517.5 | 1438.5 | 1365.1 | 1276.0 | 1235.2 | 1217.1 |
| 57.5° | 1313.7 | 1326.8 | 1399.3 | 1483.3 | 1527.6 | 1524.6 | 1422.9 | 1326.8 | 1247.3 | 1183.9 | 1185.4 |
| 60° | 962.5 | 965.1 | 1030.5 | 1163.8 | 1302.2 | 1305.2 | 1181.4 | 1054.1 | 965.6 | 896.6 | 906.2 |
| 62.5° | 507.7 | 519.3 | 545.4 | 652.6 | 772.3 | 801.5 | 726.6 | 661.1 | 584.7 | 532.3 | 537.4 |
| 65° | 268.7 | 267.2 | 279.8 | 309.9 | 368.8 | 383.9 | 373.8 | 322.0 | 295.4 | 286.8 | 287.3 |
| 67.5° | 218.4 | 220.9 | 219.4 | 220.9 | 224.9 | 231.5 | 229.9 | 232.0 | 233.5 | 236.0 | 235.5 |
| 70° | 185.2 | 185.2 | 186.2 | 186.7 | 186.7 | 189.7 | 193.2 | 199.8 | 200.3 | 202.8 | 203.8 |
| 72.5° | 145.9 | 144.9 | 146.4 | 149.9 | 150.4 | 153.0 | 158.0 | 162.0 | 163.5 | 163.5 | 160.5 |
| 75° | 99.1 | 100.1 | 102.1 | 105.2 | 108.2 | 112.7 | 116.7 | 119.2 | 120.3 | 118.7 | 117.2 |
| 77.5° | 55.9 | 56.9 | 58.4 | 62.9 | 66.4 | 70.4 | 75.0 | 77.5 | 80.0 | 80.5 | 77.5 |
| 80° | 33.2 | 33.2 | 35.7 | 39.2 | 43.3 | 47.3 | 51.3 | 54.3 | 55.3 | 55.3 | 53.8 |
| 82.5° | 20.1 | 20.6 | 22.6 | 26.2 | 29.7 | 32.2 | 35.7 | 38.2 | 40.3 | 39.7 | 38.7 |
| 85° | 10.6 | 10.6 | 12.6 | 15.6 | 18.1 | 20.6 | 20.6 | 19.1 | 18.1 | 15.6 | 14.6 |
| 87.5° | 3.5 | 3.0 | 4.0 | 4.0 | 3.5 | 4.0 | 4.0 | 4.5 | 4.5 | 4.5 | 4.5 |
| 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)