

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: McGRAW-EDISON

Report Number: P630866

Luminaire Tested: GWS-SA1E-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5454.4 lumens
Efficiency: N/A
Efficacy: 93.4 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

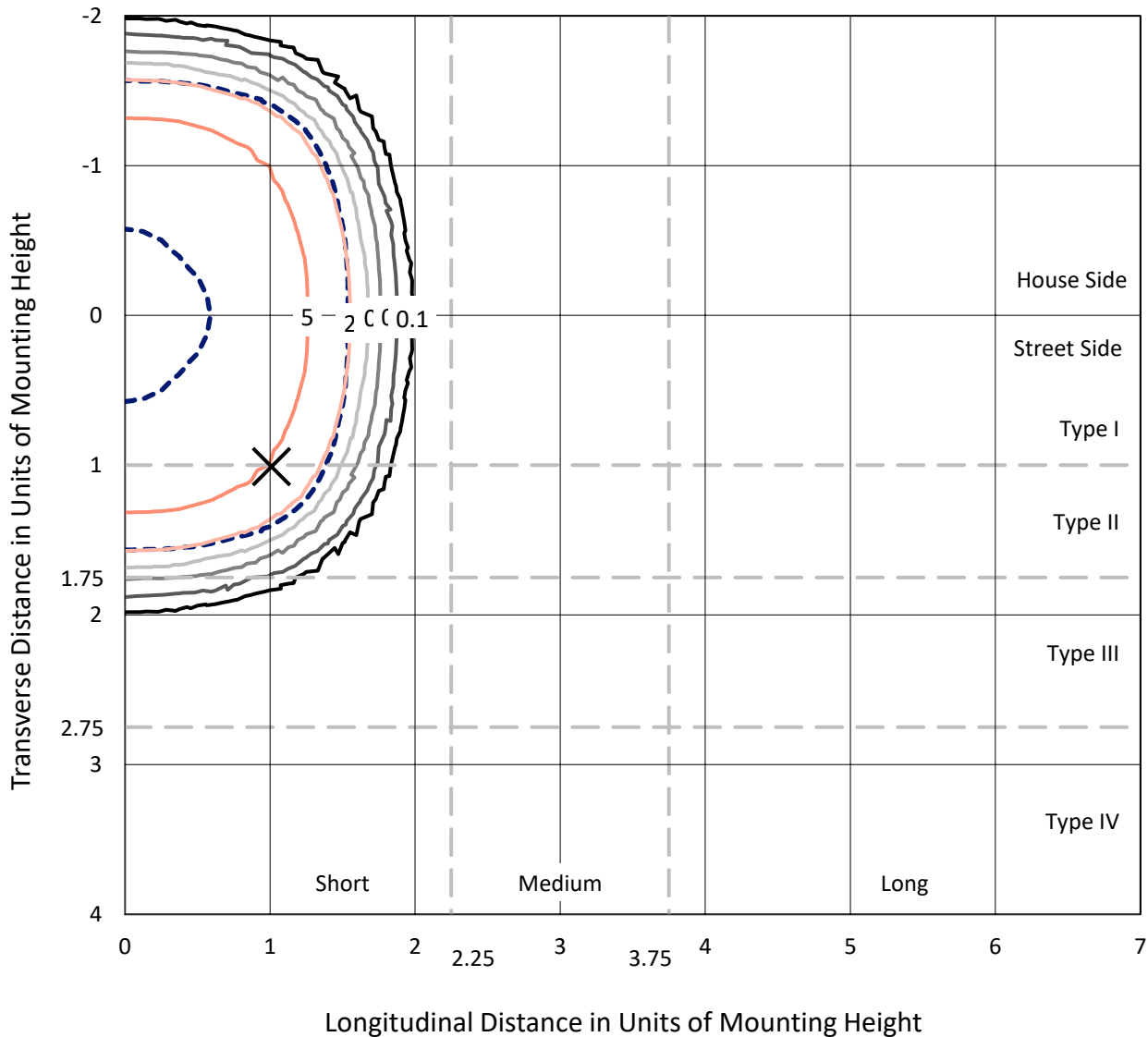
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

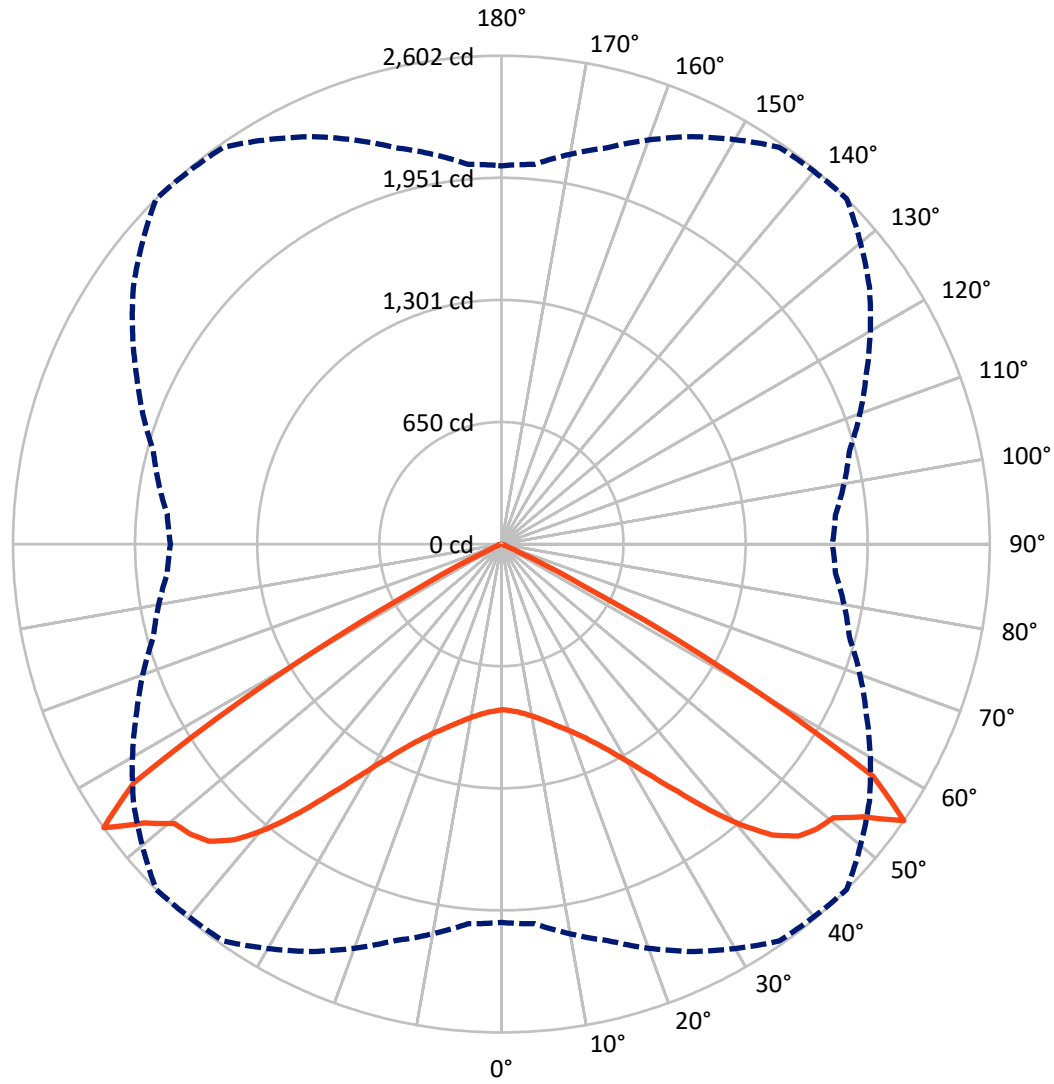
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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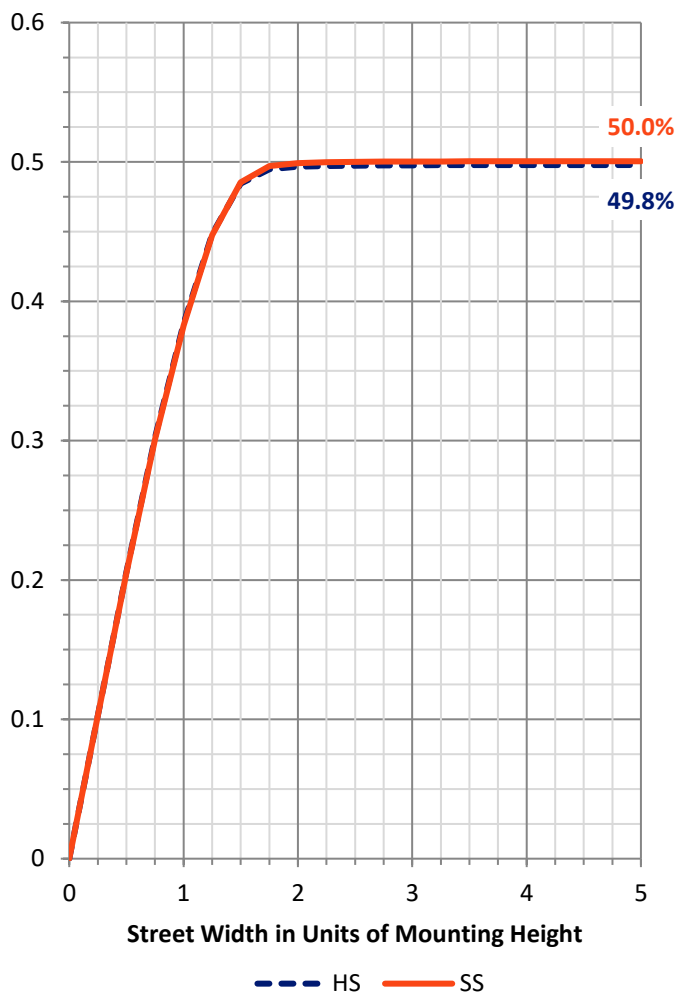
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2727.2 | 0.0 | 2727.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2727.2 | 0.0 | 2727.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5454.4 | 0.0 | 5454.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.4 | 1.6 |
| 10°-20° | 280.1 | 5.1 |
| 20°-30° | 542.4 | 9.9 |
| 30°-40° | 971.8 | 17.8 |
| 40°-50° | 1629.2 | 29.9 |
| 50°-60° | 1744.0 | 32.0 |
| 60°-70° | 191.6 | 3.5 |
| 70°-80° | 8.4 | 0.2 |
| 80°-90° | 0.4 | 0.0 |
| 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° | 5454.4 | 100.0 |
| 0°-180° | 5454.4 | 100.0 |

Coefficient of Utilization



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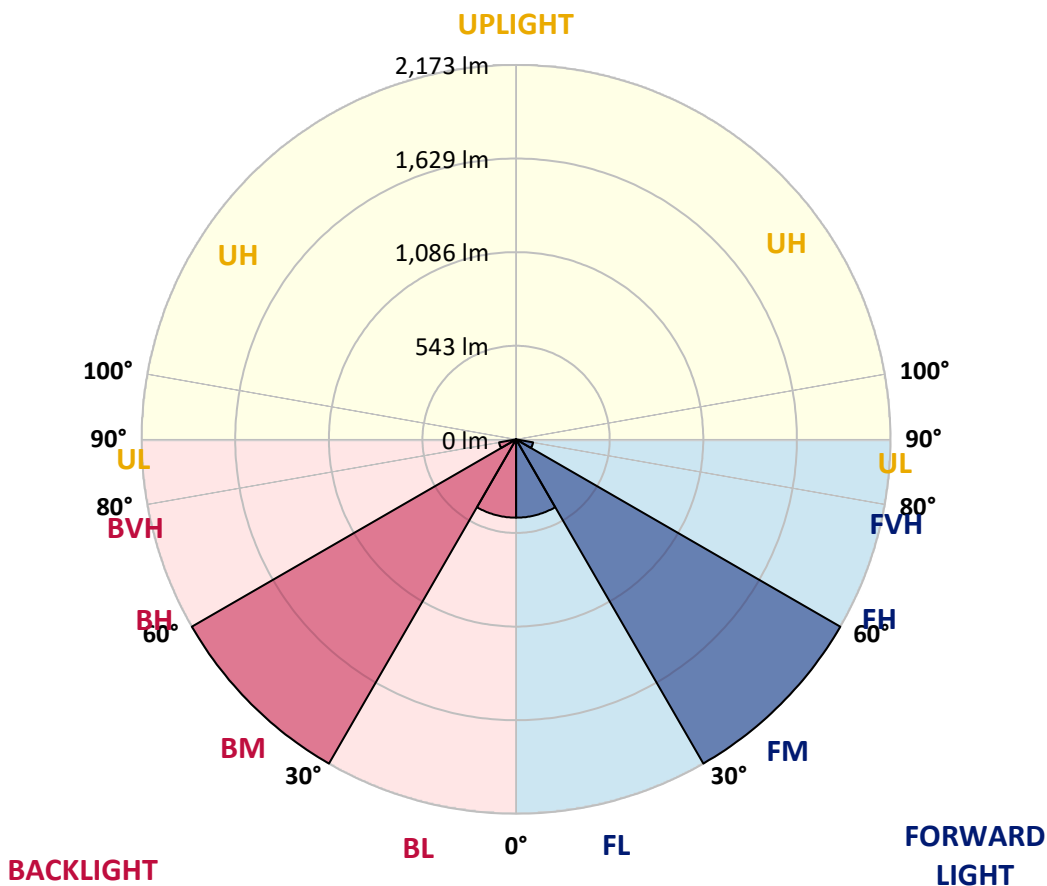
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 454.5 | 8.3 | | | |
| FM (30°-60°) | 2172.5 | 39.8 | | | |
| FH (60°-80°) | 100.0 | 1.8 | | | G0/660 |
| FVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| BL (0°-30°) | 454.5 | 8.3 | B1/500 | | |
| BM (30°-60°) | 2172.5 | 39.8 | B2/2500 | | |
| BH (60°-80°) | 100.0 | 1.8 | B0/110 | | G0/660 |
| BVH (80°-90°) | 0.2 | 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° | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 | 881.9 |
| 2.5° | 880.2 | 880.2 | 882.4 | 884.1 | 884.1 | 888.5 | 886.9 | 885.2 | 885.2 | 883.0 | 887.4 |
| 5° | 893.0 | 892.4 | 894.7 | 895.8 | 893.5 | 898.0 | 895.2 | 893.5 | 892.4 | 890.2 | 894.7 |
| 7.5° | 906.9 | 907.4 | 908.0 | 910.2 | 909.1 | 913.5 | 911.3 | 908.0 | 906.9 | 903.5 | 908.0 |
| 10° | 923.5 | 923.5 | 924.7 | 927.4 | 928.0 | 933.6 | 931.3 | 927.4 | 924.1 | 920.8 | 925.2 |
| 12.5° | 944.7 | 945.2 | 946.9 | 950.8 | 953.0 | 959.1 | 955.8 | 948.0 | 943.0 | 939.1 | 944.1 |
| 15° | 975.2 | 974.7 | 976.9 | 982.5 | 985.2 | 989.7 | 984.7 | 974.1 | 968.0 | 963.6 | 966.9 |
| 17.5° | 1008.6 | 1008.6 | 1009.7 | 1015.2 | 1019.1 | 1025.8 | 1019.7 | 1006.9 | 1001.3 | 995.2 | 998.6 |
| 20° | 1045.2 | 1046.9 | 1048.0 | 1051.9 | 1058.6 | 1065.2 | 1060.2 | 1047.5 | 1041.4 | 1033.6 | 1037.5 |
| 22.5° | 1093.6 | 1091.9 | 1092.5 | 1099.1 | 1108.6 | 1115.3 | 1111.4 | 1096.4 | 1085.8 | 1079.7 | 1081.9 |
| 25° | 1147.5 | 1146.9 | 1148.6 | 1158.6 | 1169.2 | 1176.4 | 1170.8 | 1151.4 | 1140.8 | 1130.3 | 1134.7 |
| 27.5° | 1213.6 | 1214.2 | 1215.3 | 1227.5 | 1244.2 | 1254.7 | 1240.8 | 1221.4 | 1206.9 | 1193.1 | 1196.4 |
| 30° | 1292.0 | 1290.9 | 1294.2 | 1310.9 | 1335.3 | 1352.0 | 1335.9 | 1308.6 | 1288.1 | 1274.7 | 1276.4 |
| 32.5° | 1375.3 | 1376.4 | 1385.3 | 1412.0 | 1444.2 | 1473.7 | 1440.9 | 1404.8 | 1378.1 | 1353.1 | 1356.4 |
| 35° | 1465.3 | 1468.1 | 1488.1 | 1527.6 | 1580.4 | 1619.8 | 1574.3 | 1514.8 | 1477.0 | 1444.8 | 1445.9 |
| 37.5° | 1571.5 | 1578.1 | 1605.9 | 1664.8 | 1740.4 | 1793.2 | 1726.5 | 1647.6 | 1598.7 | 1558.7 | 1555.9 |
| 40° | 1711.0 | 1718.7 | 1756.5 | 1826.5 | 1918.2 | 1966.6 | 1889.3 | 1808.2 | 1747.6 | 1704.3 | 1697.6 |
| 42.5° | 1871.0 | 1881.0 | 1922.1 | 1993.8 | 2085.5 | 2118.3 | 2042.7 | 1974.3 | 1919.9 | 1868.8 | 1866.5 |
| 45° | 2051.6 | 2057.1 | 2090.5 | 2145.5 | 2211.6 | 2219.4 | 2162.7 | 2124.9 | 2069.9 | 2022.1 | 2018.2 |
| 47.5° | 2221.1 | 2226.6 | 2249.4 | 2277.8 | 2293.3 | 2265.5 | 2255.5 | 2238.9 | 2167.7 | 2108.8 | 2096.6 |
| 50° | 2350.0 | 2354.4 | 2382.8 | 2393.9 | 2350.5 | 2291.6 | 2311.1 | 2275.5 | 2198.3 | 2132.2 | 2113.3 |
| 52.5° | 2341.1 | 2352.2 | 2425.0 | 2488.4 | 2461.1 | 2413.3 | 2361.1 | 2284.4 | 2164.4 | 2073.8 | 2050.5 |
| 55° | 2015.5 | 2030.5 | 2186.6 | 2395.0 | 2581.2 | 2601.7 | 2392.8 | 2145.5 | 1919.9 | 1787.1 | 1763.2 |
| 57.5° | 1295.3 | 1299.2 | 1489.8 | 1782.1 | 2201.6 | 2333.9 | 1984.3 | 1617.6 | 1337.0 | 1190.8 | 1180.8 |
| 60° | 476.2 | 468.4 | 612.4 | 854.6 | 1268.1 | 1408.1 | 1168.0 | 818.0 | 583.5 | 480.1 | 471.8 |
| 62.5° | 114.5 | 115.6 | 143.4 | 215.0 | 397.9 | 492.3 | 389.0 | 217.3 | 138.4 | 116.1 | 115.0 |
| 65° | 57.8 | 56.7 | 57.2 | 61.7 | 85.0 | 101.7 | 83.4 | 58.9 | 56.7 | 57.2 | 56.7 |
| 67.5° | 37.2 | 36.7 | 37.8 | 38.3 | 37.8 | 35.6 | 35.0 | 36.1 | 36.1 | 36.7 | 35.6 |
| 70° | 22.8 | 22.2 | 23.3 | 25.0 | 23.9 | 21.1 | 22.2 | 23.3 | 22.2 | 21.7 | 21.7 |
| 72.5° | 12.2 | 12.2 | 13.3 | 14.4 | 13.3 | 12.2 | 12.2 | 12.8 | 12.2 | 12.2 | 12.2 |
| 75° | 5.6 | 5.6 | 6.1 | 6.7 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 |
| 77.5° | 1.7 | 1.7 | 2.2 | 2.2 | 1.7 | 1.7 | 1.7 | 1.7 | 2.2 | 2.2 | 2.2 |
| 80° | 0.6 | 1.1 | 1.1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.1 | 1.1 | 1.1 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 85° | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 |
| 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)