

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: McGRAW-EDISON

Report Number: P526644

Luminaire Tested: **GALN-SA1C-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6234 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

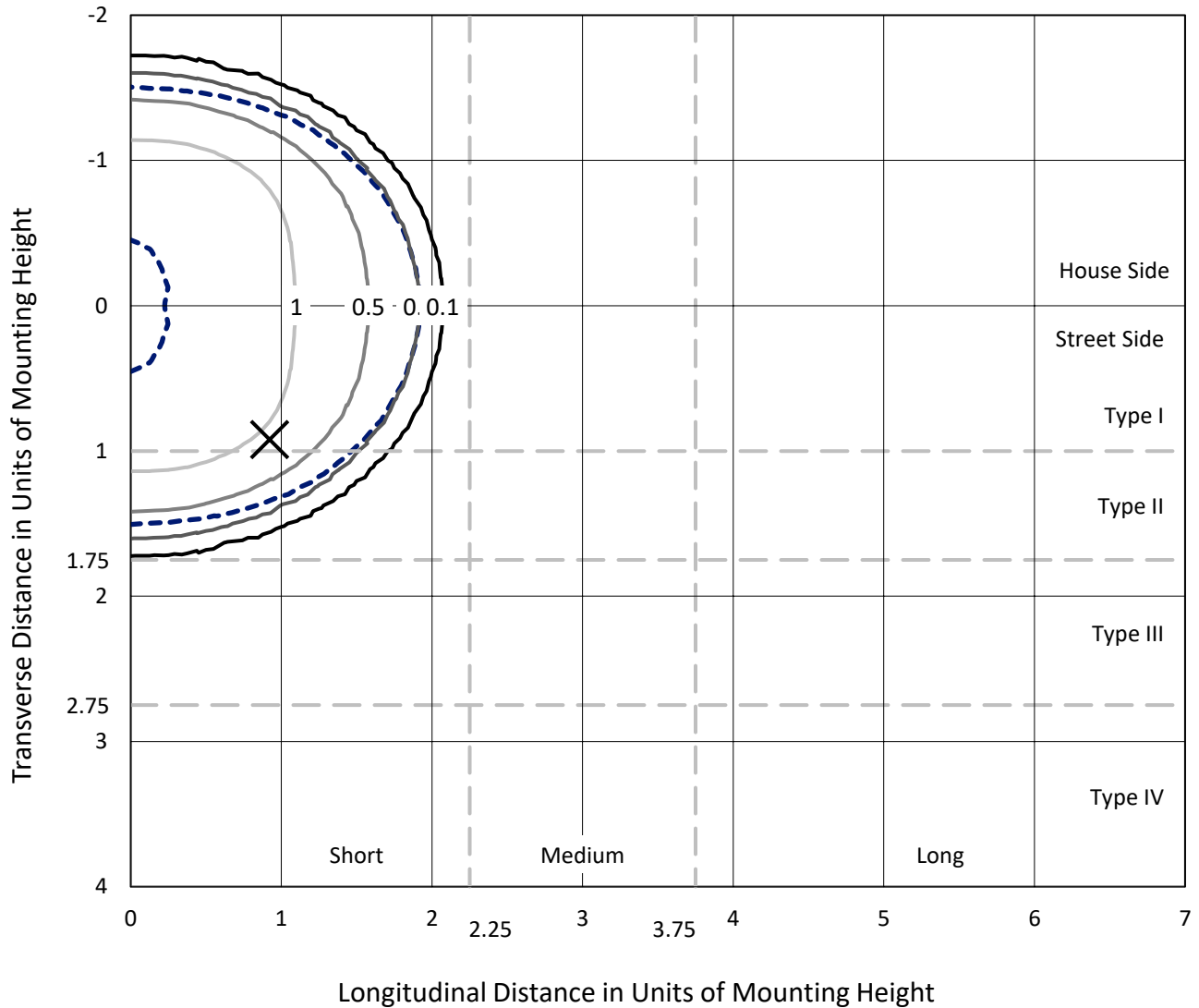
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

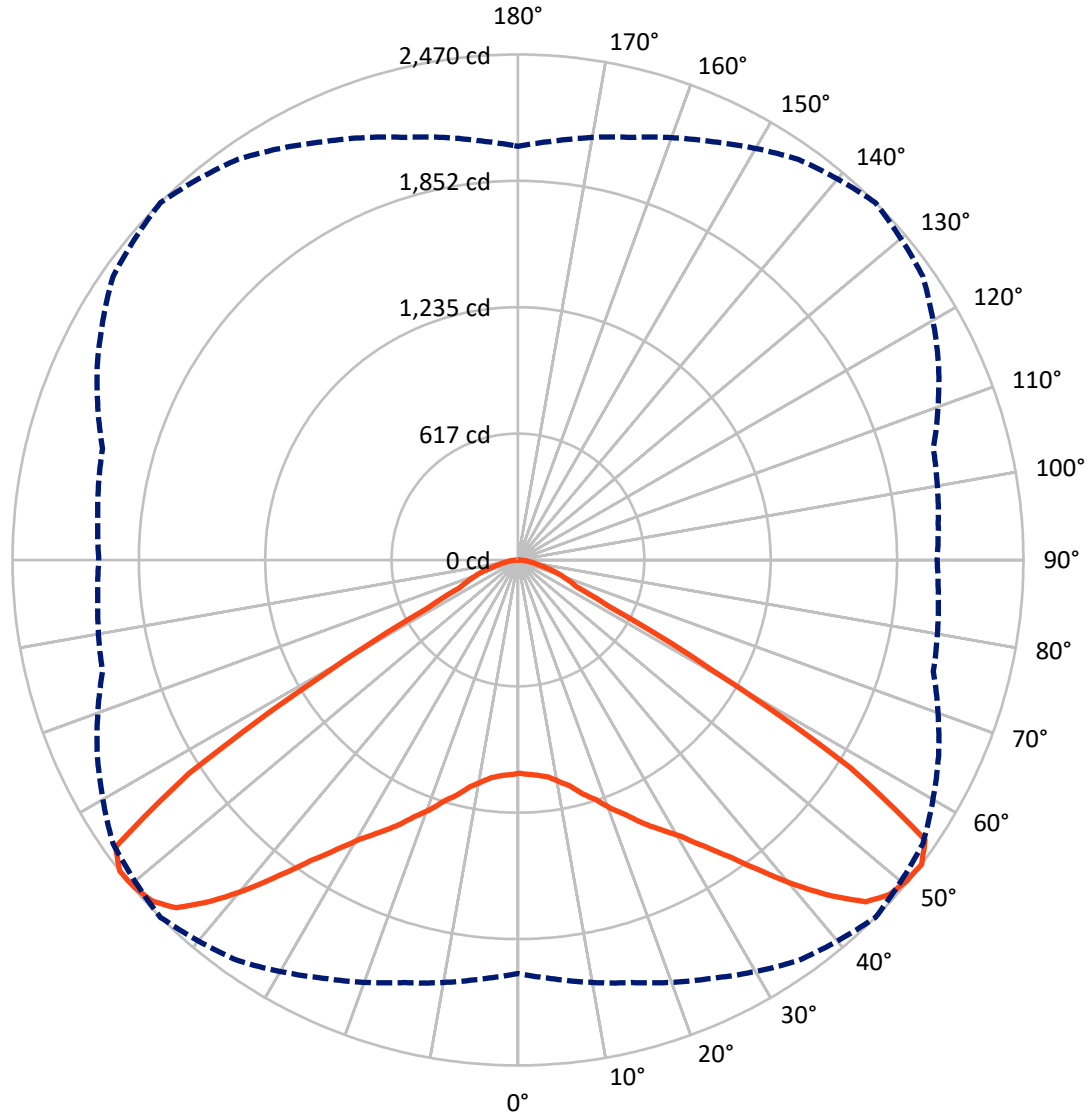
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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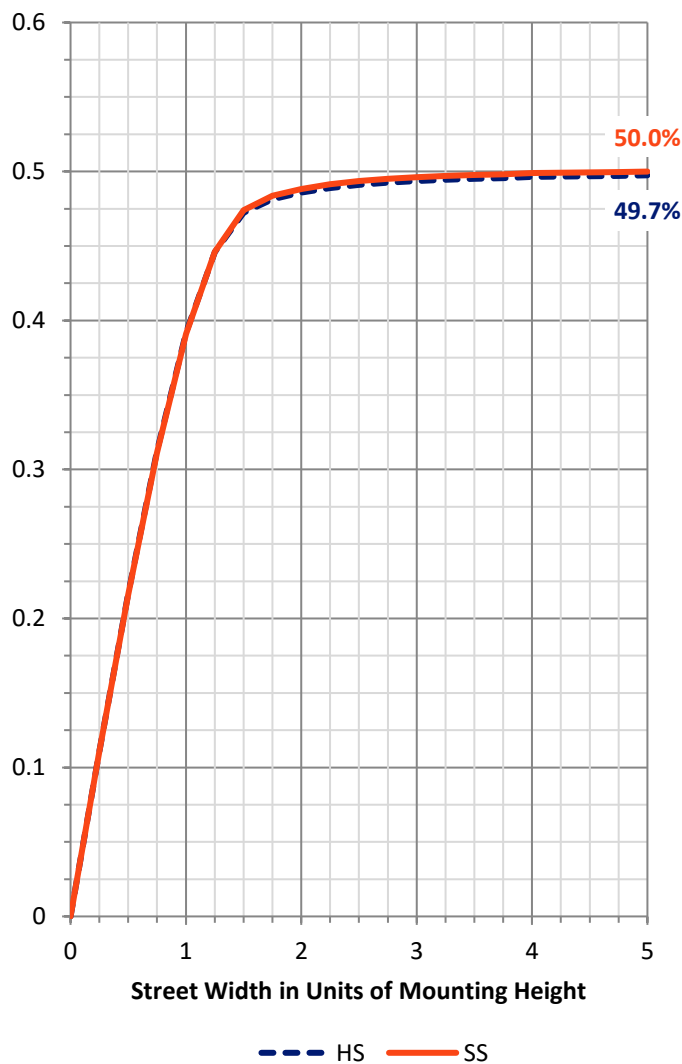
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3117.0 | 0.0 | 3117.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3117.0 | 0.0 | 3117.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6234.0 | 0.0 | 6234.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 102.4 | 1.6 |
| 10°-20° | 336.4 | 5.4 |
| 20°-30° | 640.5 | 10.3 |
| 30°-40° | 1099.8 | 17.6 |
| 40°-50° | 1690.4 | 27.1 |
| 50°-60° | 1716.6 | 27.5 |
| 60°-70° | 478.4 | 7.7 |
| 70°-80° | 141.1 | 2.3 |
| 80°-90° | 28.4 | 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° | 6234.0 | 100.0 |
| 0°-180° | 6234.0 | 100.0 |

Coefficient of Utilization



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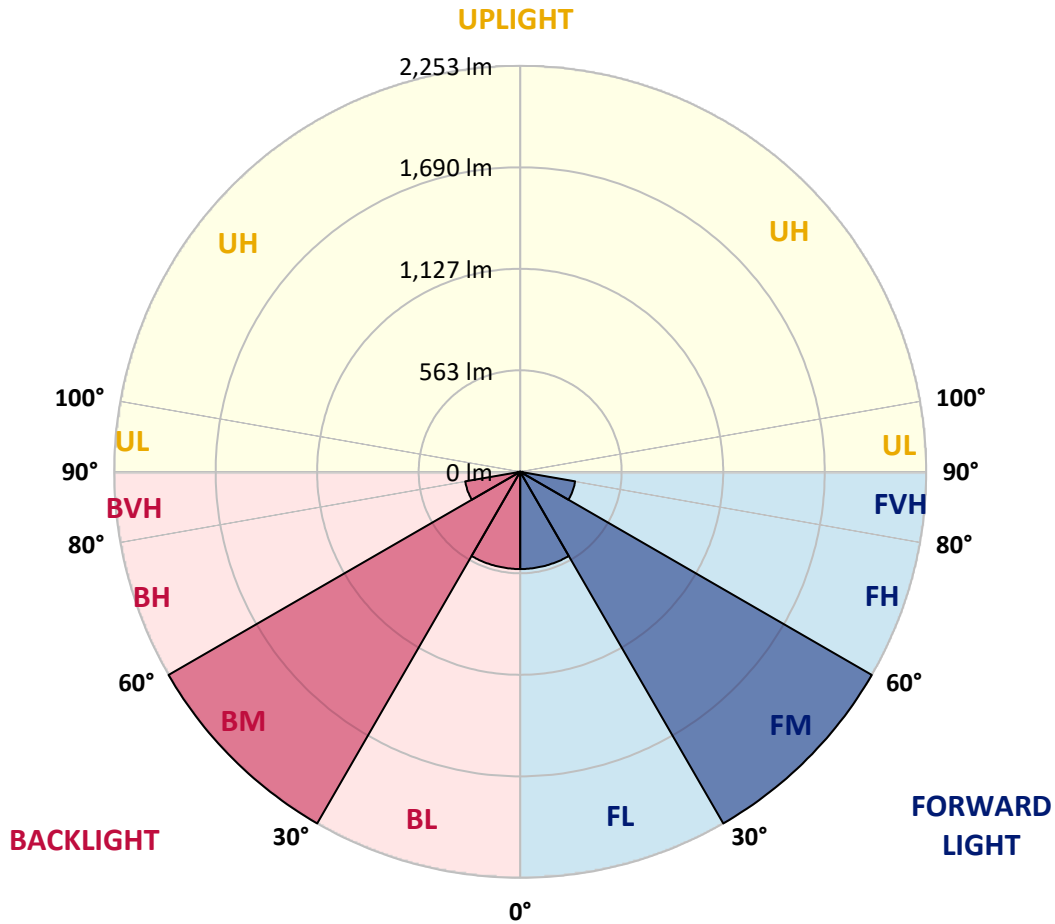
CATALOG NUMBER: GALN-SA1C-760-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 539.7 | 8.7 | | | |
| FM (30°-60°) | 2253.4 | 36.1 | | | |
| FH (60°-80°) | 309.8 | 5.0 | | | G0/660 |
| FVH (80°-90°) | 14.2 | 0.2 | | | G1/100 |
| BL (0°-30°) | 539.7 | 8.7 | B2/1000 | | |
| BM (30°-60°) | 2253.4 | 36.1 | B2/2500 | | |
| BH (60°-80°) | 309.8 | 5.0 | B1/500 | | G0/660 |
| BVH (80°-90°) | 14.2 | 0.2 | | | 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° | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 | 1042.1 |
| 2.5° | 1044.4 | 1033.6 | 1037.5 | 1039.8 | 1049.8 | 1049.1 | 1046.7 | 1049.8 | 1052.9 | 1053.7 | 1052.2 |
| 5° | 1043.6 | 1035.9 | 1039.0 | 1041.3 | 1051.4 | 1056.8 | 1055.2 | 1068.4 | 1077.7 | 1075.4 | 1087.0 |
| 7.5° | 1037.5 | 1042.1 | 1038.2 | 1049.8 | 1058.3 | 1071.5 | 1085.4 | 1097.8 | 1109.4 | 1122.6 | 1124.9 |
| 10° | 1051.4 | 1051.4 | 1058.3 | 1067.6 | 1090.1 | 1100.1 | 1120.2 | 1138.0 | 1160.5 | 1175.9 | 1169.7 |
| 12.5° | 1066.1 | 1068.4 | 1068.4 | 1092.4 | 1110.9 | 1133.4 | 1152.0 | 1175.9 | 1207.7 | 1226.2 | 1235.5 |
| 15° | 1080.8 | 1082.3 | 1090.1 | 1122.6 | 1150.4 | 1186.0 | 1203.0 | 1224.7 | 1242.5 | 1277.3 | 1278.1 |
| 17.5° | 1093.9 | 1102.4 | 1125.6 | 1162.0 | 1196.8 | 1230.9 | 1257.9 | 1280.4 | 1295.8 | 1309.8 | 1306.7 |
| 20° | 1143.4 | 1149.6 | 1173.6 | 1210.0 | 1261.8 | 1295.1 | 1304.4 | 1308.2 | 1318.3 | 1346.1 | 1337.6 |
| 22.5° | 1191.4 | 1193.7 | 1216.2 | 1271.9 | 1308.2 | 1352.3 | 1362.4 | 1360.1 | 1363.9 | 1370.9 | 1383.3 |
| 25° | 1240.9 | 1244.8 | 1275.7 | 1322.9 | 1374.0 | 1426.6 | 1435.1 | 1417.3 | 1411.9 | 1419.6 | 1420.4 |
| 27.5° | 1304.4 | 1305.1 | 1344.6 | 1385.6 | 1443.6 | 1493.1 | 1506.3 | 1492.4 | 1466.8 | 1473.0 | 1483.1 |
| 30° | 1384.8 | 1379.4 | 1418.9 | 1477.7 | 1538.8 | 1566.6 | 1589.1 | 1582.1 | 1554.2 | 1548.8 | 1540.3 |
| 32.5° | 1477.7 | 1479.2 | 1514.8 | 1579.0 | 1619.2 | 1665.7 | 1689.6 | 1678.0 | 1660.2 | 1651.0 | 1656.4 |
| 35° | 1608.4 | 1615.4 | 1639.3 | 1692.7 | 1757.7 | 1780.9 | 1818.8 | 1794.1 | 1747.7 | 1759.3 | 1769.3 |
| 37.5° | 1715.9 | 1736.1 | 1780.9 | 1844.4 | 1883.0 | 1925.6 | 1939.5 | 1906.3 | 1872.2 | 1858.3 | 1891.6 |
| 40° | 1880.7 | 1874.5 | 1924.0 | 1987.5 | 2044.7 | 2087.3 | 2069.5 | 2036.2 | 1951.9 | 1952.7 | 1962.0 |
| 42.5° | 2022.3 | 2025.4 | 2063.3 | 2139.1 | 2217.3 | 2243.6 | 2187.1 | 2105.9 | 2012.2 | 2002.2 | 2022.3 |
| 45° | 2141.4 | 2153.8 | 2175.5 | 2276.8 | 2353.4 | 2382.0 | 2277.6 | 2181.7 | 2056.3 | 2014.6 | 2047.8 |
| 47.5° | 2184.0 | 2204.1 | 2251.3 | 2344.1 | 2420.0 | 2443.2 | 2359.6 | 2221.9 | 2097.3 | 2029.3 | 2047.1 |
| 50° | 2190.2 | 2183.2 | 2260.6 | 2345.7 | 2412.2 | 2462.5 | 2389.0 | 2251.3 | 2087.3 | 2051.7 | 2046.3 |
| 52.5° | 2020.8 | 2054.8 | 2137.6 | 2254.4 | 2389.0 | 2469.5 | 2415.3 | 2267.5 | 2101.2 | 2061.0 | 2047.8 |
| 55° | 1635.5 | 1595.2 | 1746.1 | 1942.6 | 2190.2 | 2413.8 | 2406.0 | 2276.1 | 2109.7 | 2076.5 | 2058.7 |
| 57.5° | 912.9 | 924.5 | 1009.6 | 1223.1 | 1542.6 | 1914.0 | 2139.1 | 2186.3 | 2105.9 | 2086.5 | 2095.8 |
| 60° | 422.4 | 426.3 | 462.6 | 562.4 | 760.5 | 1085.4 | 1381.7 | 1682.7 | 1821.2 | 1849.0 | 1849.0 |
| 62.5° | 314.9 | 313.3 | 322.6 | 340.4 | 382.2 | 499.0 | 666.1 | 905.2 | 1095.5 | 1228.5 | 1263.4 |
| 65° | 284.7 | 283.9 | 288.6 | 294.8 | 297.9 | 314.1 | 351.2 | 424.7 | 486.6 | 522.2 | 516.0 |
| 67.5° | 249.1 | 248.3 | 249.9 | 253.8 | 259.2 | 267.7 | 277.0 | 292.4 | 314.1 | 312.6 | 308.7 |
| 70° | 201.1 | 201.1 | 203.5 | 206.6 | 212.8 | 222.8 | 233.6 | 244.5 | 263.0 | 266.9 | 266.1 |
| 72.5° | 148.5 | 146.2 | 150.9 | 157.0 | 163.2 | 175.6 | 187.2 | 197.3 | 210.4 | 214.3 | 212.8 |
| 75° | 94.4 | 95.9 | 99.0 | 106.0 | 116.8 | 125.3 | 137.7 | 146.2 | 154.7 | 157.8 | 158.6 |
| 77.5° | 52.6 | 54.2 | 59.6 | 68.1 | 78.9 | 88.2 | 99.0 | 106.0 | 111.4 | 112.2 | 113.0 |
| 80° | 31.7 | 32.5 | 37.9 | 45.6 | 54.9 | 65.0 | 73.5 | 80.5 | 85.1 | 82.8 | 82.0 |
| 82.5° | 19.3 | 20.1 | 24.8 | 31.7 | 39.5 | 47.2 | 56.5 | 62.7 | 67.3 | 64.2 | 61.1 |
| 85° | 10.1 | 10.8 | 14.7 | 19.3 | 25.5 | 29.4 | 29.4 | 26.3 | 25.5 | 24.0 | 23.2 |
| 87.5° | 3.1 | 3.1 | 3.9 | 4.6 | 3.9 | 4.6 | 5.4 | 6.2 | 6.2 | 7.0 | 6.2 |
| 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)