

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: P634828

Luminaire Tested: GWS-SA3C-750-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14914.1 lumens
Efficiency: N/A
Efficacy: 160.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

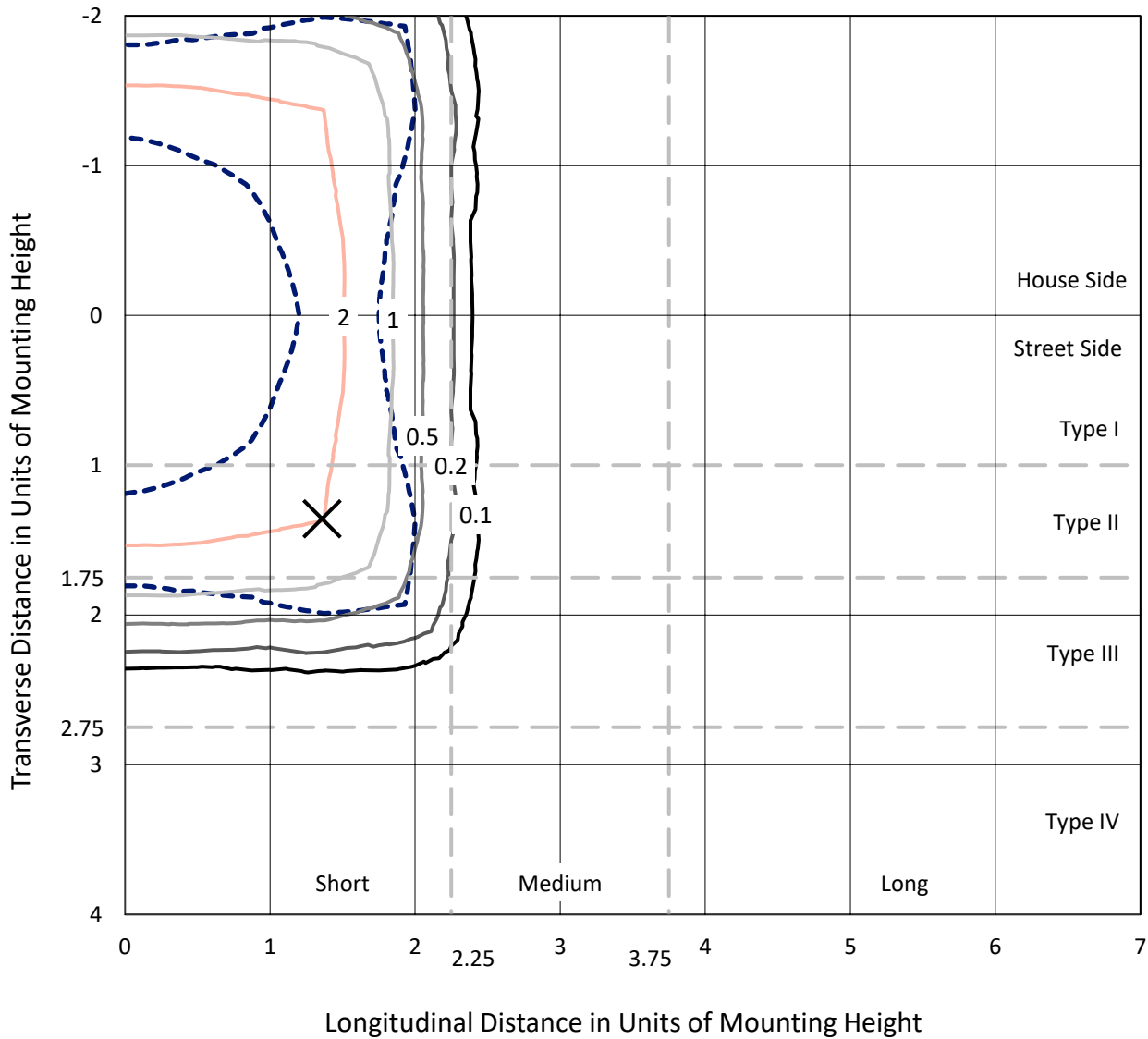
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

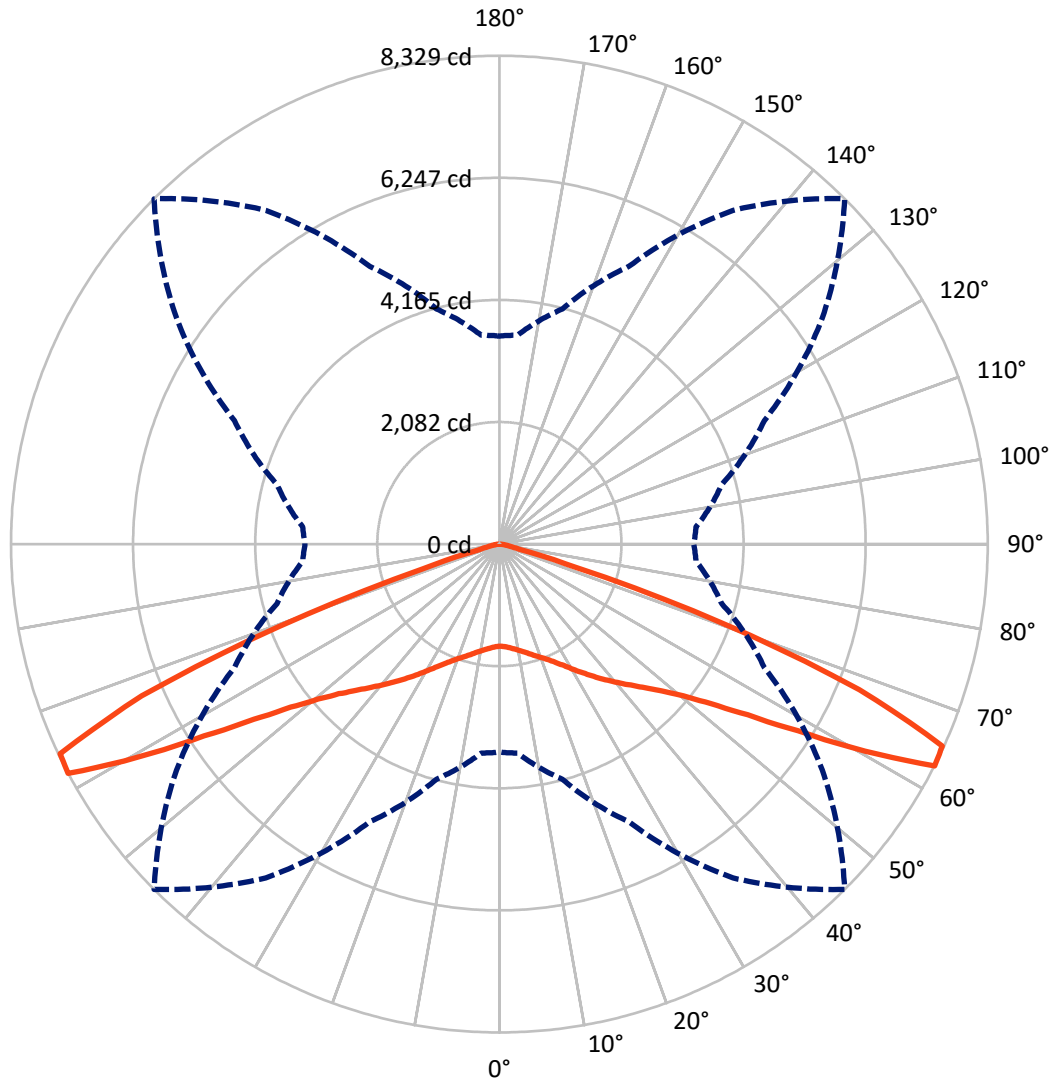
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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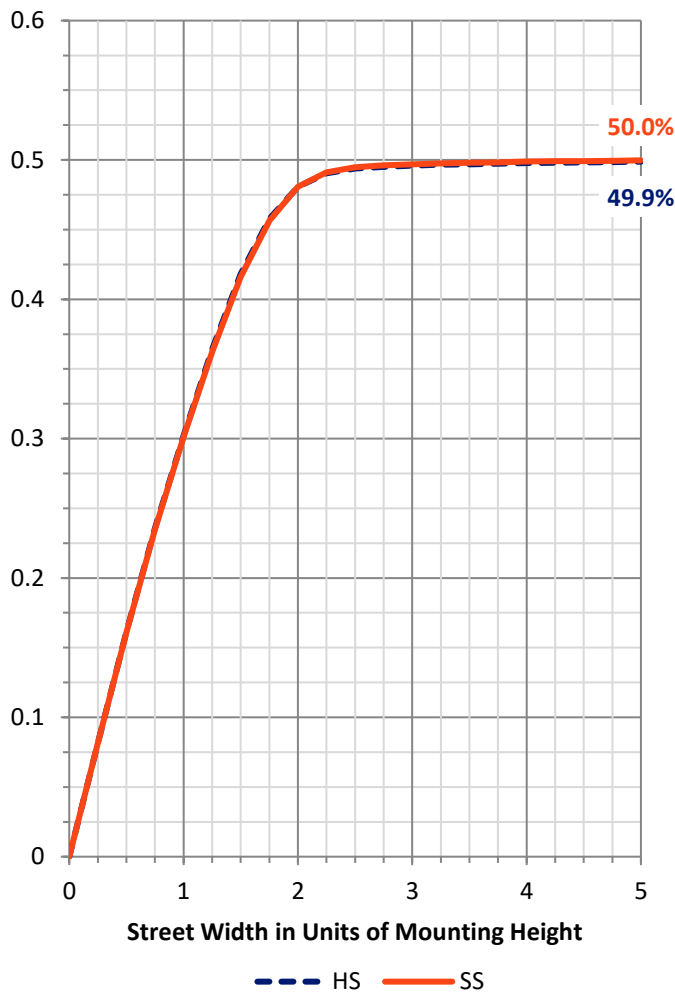
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7457.0 | 0.0 | 7457.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7457.0 | 0.0 | 7457.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14914.1 | 0.0 | 14914.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 170.7 | 1.1 |
| 10°-20° | 550.5 | 3.7 |
| 20°-30° | 1041.5 | 7.0 |
| 30°-40° | 1753.0 | 11.8 |
| 40°-50° | 2800.8 | 18.8 |
| 50°-60° | 4514.7 | 30.3 |
| 60°-70° | 3683.5 | 24.7 |
| 70°-80° | 357.7 | 2.4 |
| 80°-90° | 41.6 | 0.3 |
| 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° | 14914.1 | 100.0 |
| 0°-180° | 14914.1 | 100.0 |

Coefficient of Utilization



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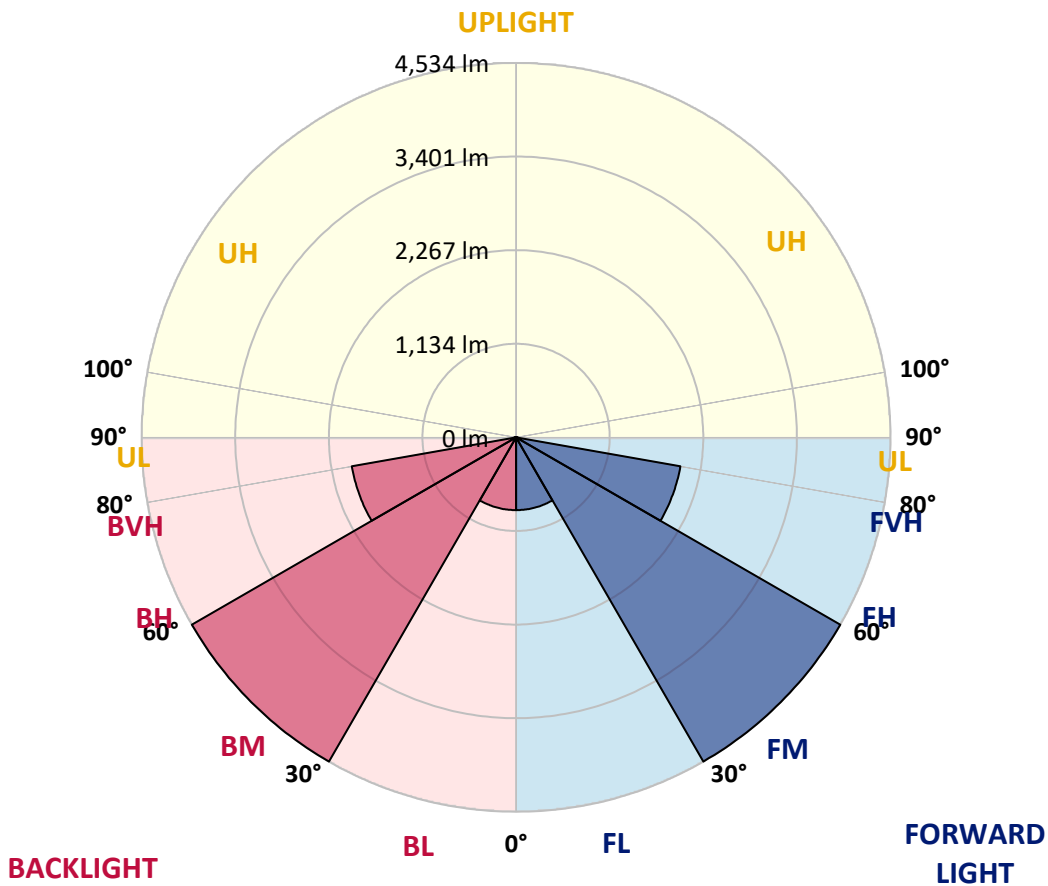
CATALOG NUMBER: GWS-SA3C-750-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 881.4 | 5.9 | | | |
| FM (30°-60°) | 4534.3 | 30.4 | | | |
| FH (60°-80°) | 2020.6 | 13.5 | | | G2/5000 |
| FVH (80°-90°) | 20.8 | 0.1 | | | G1/100 |
| BL (0°-30°) | 881.4 | 5.9 | B2/1000 | | |
| BM (30°-60°) | 4534.3 | 30.4 | B3/5000 | | |
| BH (60°-80°) | 2020.6 | 13.5 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 20.8 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 | 1739.9 |
| 2.5° | 1737.9 | 1737.9 | 1742.0 | 1745.0 | 1743.0 | 1751.2 | 1750.2 | 1748.1 | 1747.1 | 1744.0 | 1753.2 |
| 5° | 1761.4 | 1761.4 | 1764.5 | 1767.5 | 1762.4 | 1772.7 | 1768.6 | 1766.5 | 1765.5 | 1761.4 | 1769.6 |
| 7.5° | 1788.0 | 1791.1 | 1792.1 | 1797.2 | 1794.1 | 1805.4 | 1802.3 | 1798.2 | 1796.2 | 1791.1 | 1798.2 |
| 10° | 1817.7 | 1819.7 | 1820.7 | 1829.9 | 1831.0 | 1844.3 | 1841.2 | 1836.1 | 1832.0 | 1826.9 | 1837.1 |
| 12.5° | 1857.6 | 1858.6 | 1861.7 | 1872.9 | 1876.0 | 1886.2 | 1885.2 | 1878.0 | 1872.9 | 1865.7 | 1877.0 |
| 15° | 1908.7 | 1909.7 | 1914.8 | 1926.1 | 1931.2 | 1943.5 | 1939.4 | 1928.1 | 1921.0 | 1912.8 | 1922.0 |
| 17.5° | 1961.9 | 1966.0 | 1971.1 | 1982.4 | 1989.5 | 2003.8 | 1998.7 | 1986.4 | 1980.3 | 1972.1 | 1978.3 |
| 20° | 2030.4 | 2031.5 | 2034.5 | 2046.8 | 2051.9 | 2068.3 | 2069.3 | 2057.0 | 2054.0 | 2045.8 | 2055.0 |
| 22.5° | 2106.1 | 2107.1 | 2110.2 | 2123.5 | 2132.7 | 2142.9 | 2149.1 | 2141.9 | 2136.8 | 2126.6 | 2137.8 |
| 25° | 2190.0 | 2200.2 | 2203.3 | 2219.7 | 2229.9 | 2236.0 | 2243.2 | 2240.1 | 2233.0 | 2220.7 | 2225.8 |
| 27.5° | 2307.6 | 2309.7 | 2314.8 | 2333.2 | 2339.3 | 2345.5 | 2352.6 | 2353.7 | 2343.4 | 2329.1 | 2336.3 |
| 30° | 2441.6 | 2440.6 | 2451.9 | 2466.2 | 2471.3 | 2476.4 | 2486.6 | 2492.8 | 2479.5 | 2464.1 | 2471.3 |
| 32.5° | 2578.7 | 2591.0 | 2605.3 | 2618.6 | 2615.5 | 2617.6 | 2633.9 | 2645.2 | 2626.8 | 2599.2 | 2605.3 |
| 35° | 2733.2 | 2741.3 | 2759.7 | 2779.2 | 2775.1 | 2772.0 | 2782.3 | 2793.5 | 2767.9 | 2732.1 | 2741.3 |
| 37.5° | 2891.7 | 2904.0 | 2931.6 | 2955.1 | 2949.0 | 2934.7 | 2945.9 | 2958.2 | 2933.6 | 2892.7 | 2888.6 |
| 40° | 3068.7 | 3088.1 | 3128.0 | 3147.4 | 3131.1 | 3103.4 | 3122.9 | 3152.5 | 3128.0 | 3080.9 | 3069.7 |
| 42.5° | 3276.3 | 3299.8 | 3339.7 | 3369.4 | 3333.6 | 3288.6 | 3321.3 | 3364.3 | 3358.1 | 3295.7 | 3276.3 |
| 45° | 3533.1 | 3548.4 | 3597.5 | 3611.8 | 3558.6 | 3496.2 | 3555.6 | 3621.0 | 3605.7 | 3538.2 | 3512.6 |
| 47.5° | 3812.3 | 3835.8 | 3878.8 | 3905.4 | 3819.5 | 3741.7 | 3824.6 | 3912.5 | 3896.2 | 3832.8 | 3803.1 |
| 50° | 4168.3 | 4199.0 | 4255.2 | 4277.7 | 4159.1 | 4070.1 | 4176.4 | 4287.9 | 4256.2 | 4171.3 | 4132.5 |
| 52.5° | 4555.9 | 4580.5 | 4676.6 | 4721.6 | 4610.2 | 4514.0 | 4607.1 | 4716.5 | 4649.0 | 4536.5 | 4484.3 |
| 55° | 4897.6 | 4922.1 | 5063.3 | 5212.6 | 5207.5 | 5141.0 | 5188.1 | 5190.1 | 5007.0 | 4820.9 | 4765.6 |
| 57.5° | 4971.2 | 4995.8 | 5264.8 | 5655.5 | 5931.7 | 6008.4 | 5870.3 | 5579.8 | 5118.5 | 4792.2 | 4729.8 |
| 60° | 4578.4 | 4606.1 | 5033.6 | 5747.6 | 6655.9 | 7168.4 | 6532.2 | 5571.7 | 4773.8 | 4331.9 | 4272.6 |
| 62.5° | 3547.4 | 3577.0 | 4151.9 | 5223.9 | 6948.5 | 8329.4 | 6724.5 | 4985.6 | 3926.9 | 3367.3 | 3315.2 |
| 65° | 1693.9 | 1693.9 | 2424.2 | 3746.8 | 6365.4 | 8301.8 | 6168.0 | 3688.5 | 2363.9 | 1815.6 | 1770.6 |
| 67.5° | 419.4 | 421.4 | 624.0 | 1458.6 | 4329.9 | 6625.2 | 4400.5 | 1770.6 | 832.6 | 589.2 | 573.8 |
| 70° | 261.9 | 260.8 | 289.5 | 394.8 | 1514.9 | 4021.0 | 1799.3 | 533.9 | 338.6 | 298.7 | 296.6 |
| 72.5° | 203.6 | 203.6 | 217.9 | 252.7 | 396.9 | 1369.6 | 524.7 | 296.6 | 245.5 | 220.9 | 220.9 |
| 75° | 160.6 | 160.6 | 170.8 | 189.2 | 234.2 | 352.9 | 279.2 | 219.9 | 190.3 | 173.9 | 171.8 |
| 77.5° | 119.7 | 121.7 | 129.9 | 142.2 | 159.6 | 198.4 | 177.0 | 165.7 | 148.3 | 136.0 | 132.0 |
| 80° | 77.7 | 80.8 | 91.0 | 98.2 | 104.3 | 130.9 | 115.6 | 120.7 | 112.5 | 98.2 | 96.2 |
| 82.5° | 41.9 | 43.0 | 55.2 | 57.3 | 59.3 | 71.6 | 73.6 | 76.7 | 79.8 | 62.4 | 58.3 |
| 85° | 15.3 | 15.3 | 18.4 | 21.5 | 23.5 | 25.6 | 34.8 | 43.0 | 45.0 | 35.8 | 34.8 |
| 87.5° | 3.1 | 3.1 | 3.1 | 2.0 | 2.0 | 2.0 | 6.1 | 11.3 | 18.4 | 14.3 | 14.3 |
| 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)