

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: STREETWORKS

Report Number: P386294

Luminaire Tested: GAW-SA2A-722-U-5MQ

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2A-722-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7510 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

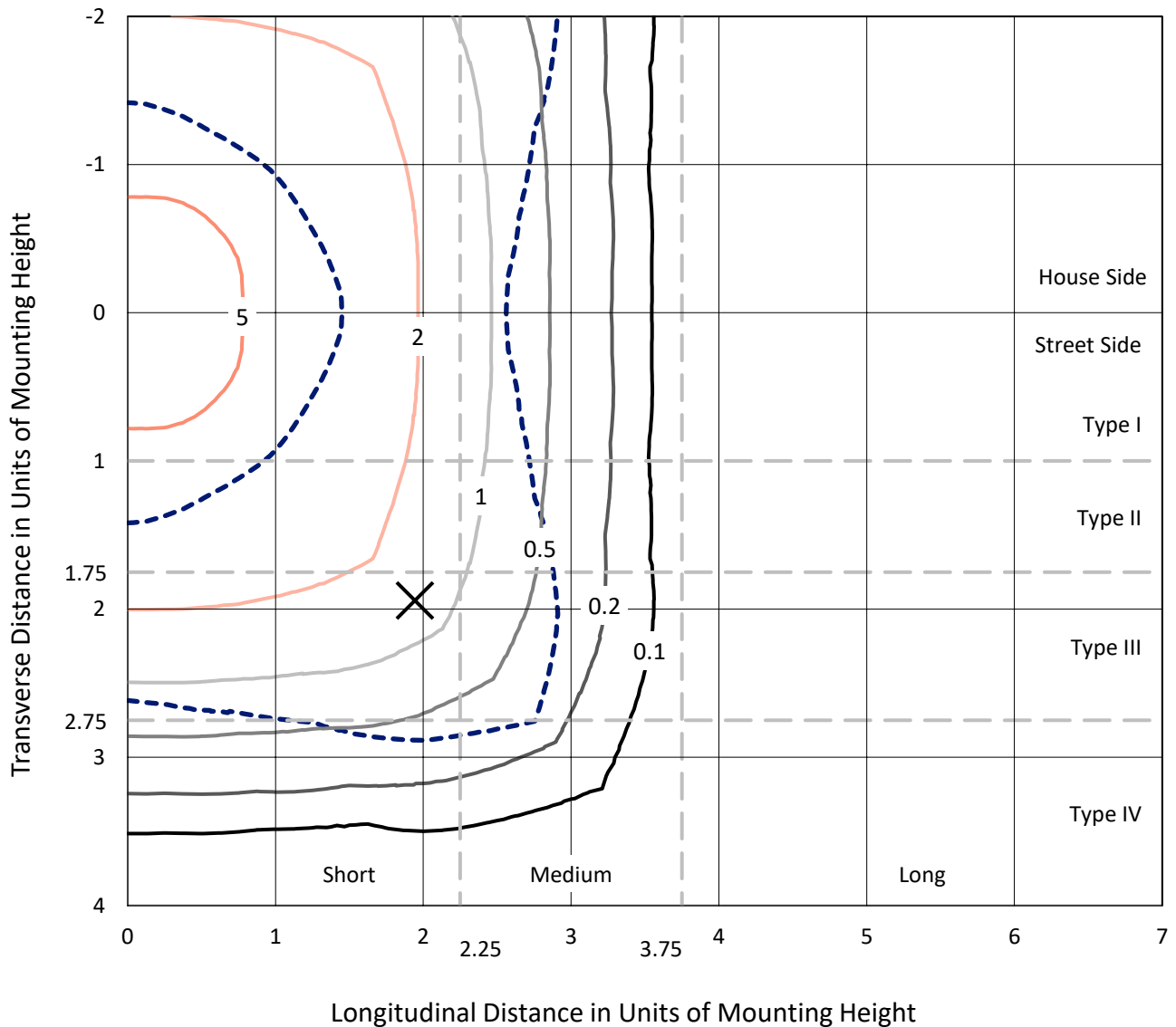
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386294
 CATALOG NUMBER: GAW-SA2A-722-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

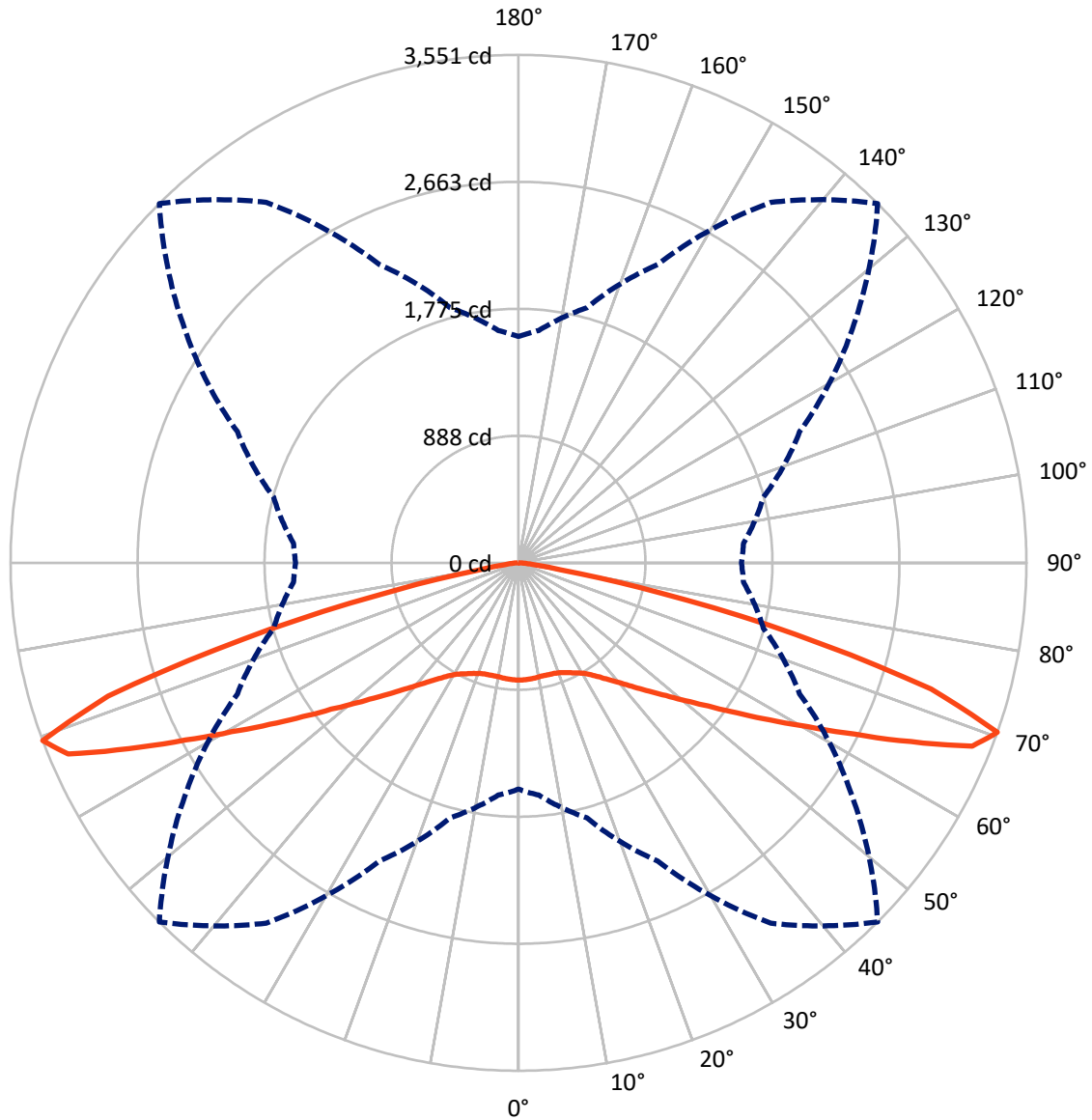
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P386294
CATALOG NUMBER: GAW-SA2A-722-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P386294
 CATALOG NUMBER: GAW-SA2A-722-U-5MQ

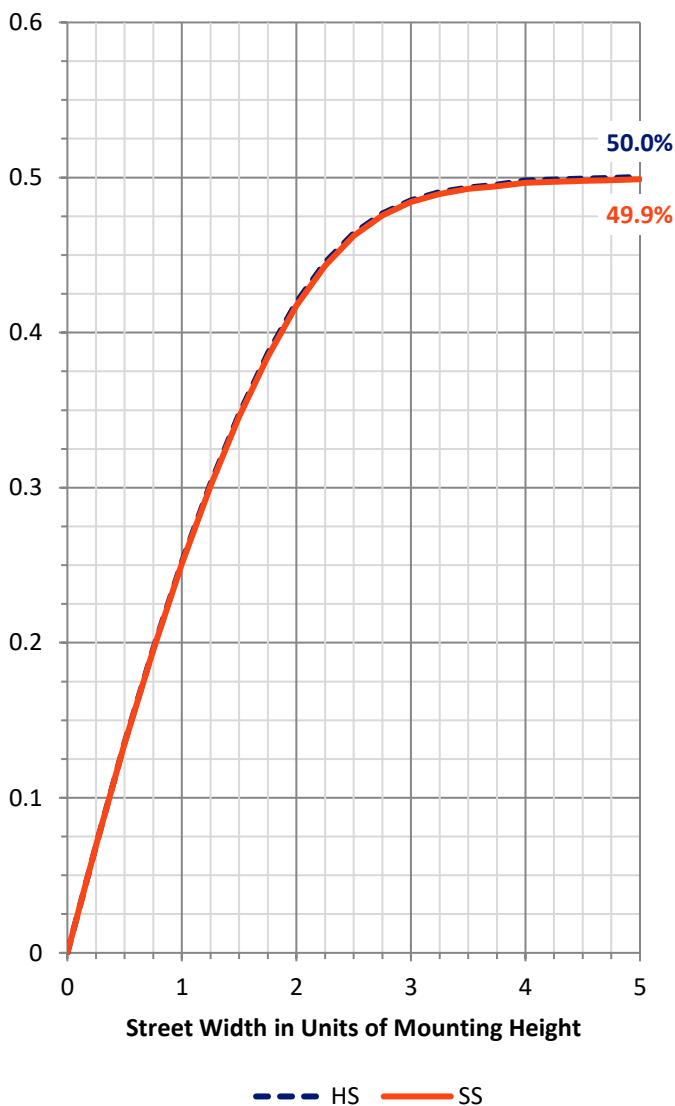
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3755.0 | 0.0 | 3755.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3755.0 | 0.0 | 3755.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7510.0 | 0.0 | 7510.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.7 | 1.0 |
| 10°-20° | 228.1 | 3.0 |
| 20°-30° | 388.2 | 5.2 |
| 30°-40° | 615.7 | 8.2 |
| 40°-50° | 1002.0 | 13.3 |
| 50°-60° | 1652.1 | 22.0 |
| 60°-70° | 2425.3 | 32.3 |
| 70°-80° | 1072.4 | 14.3 |
| 80°-90° | 48.6 | 0.6 |
| 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° | 7510.0 | 100.0 |
| 0°-180° | 7510.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P386294

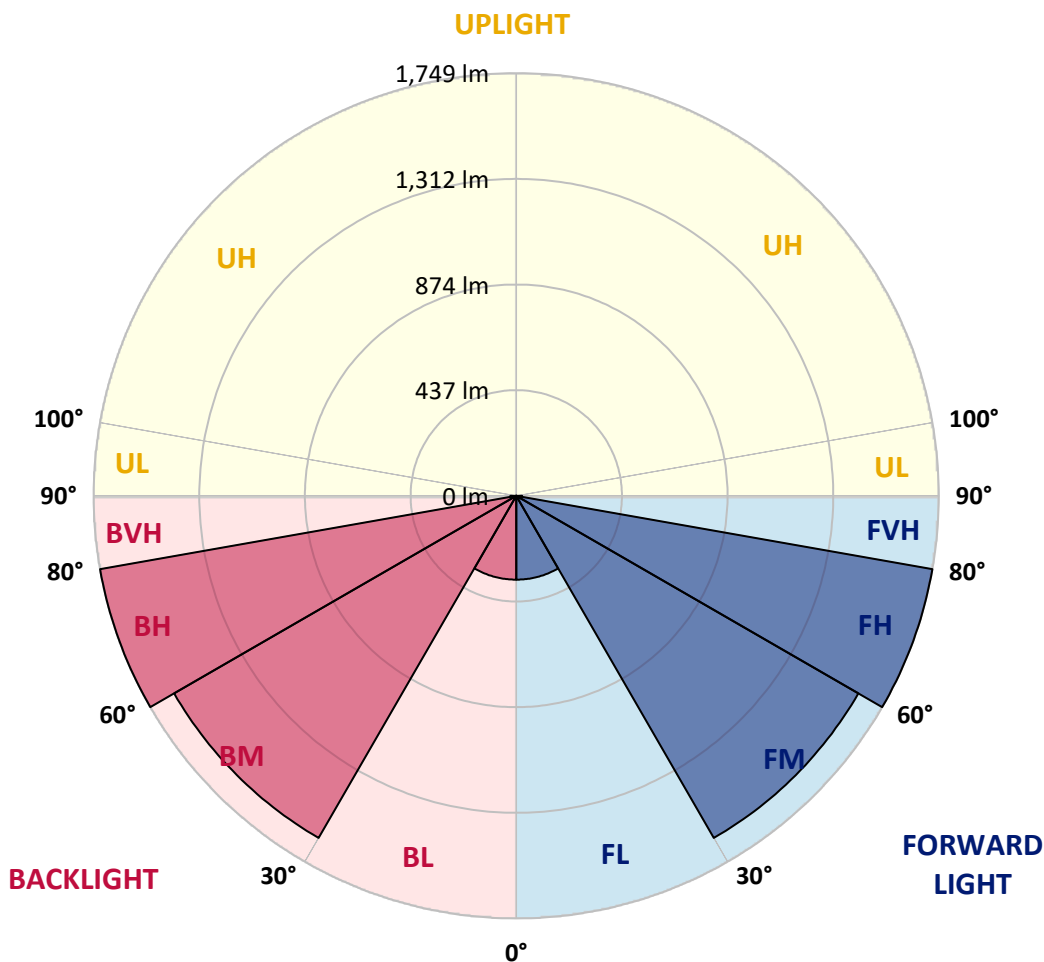
CATALOG NUMBER: GAW-SA2A-722-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 347.0 | 4.6 | | | |
| FM (30°-60°) | 1634.9 | 21.8 | | | |
| FH (60°-80°) | 1748.9 | 23.3 | | | G1/1800 |
| FVH (80°-90°) | 24.3 | 0.3 | | | G1/100 |
| BL (0°-30°) | 347.0 | 4.6 | B1/500 | | |
| BM (30°-60°) | 1634.9 | 21.8 | B2/2500 | | |
| BH (60°-80°) | 1748.9 | 23.3 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 24.3 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P386294
 CATALOG NUMBER: GAW-SA2A-722-U-5MQ

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 | 820.2 |
| 2.5° | 819.0 | 818.2 | 820.0 | 819.7 | 818.2 | 818.5 | 818.5 | 819.2 | 819.2 | 818.7 | 818.7 |
| 5° | 816.0 | 815.5 | 817.5 | 817.5 | 816.0 | 816.5 | 817.0 | 817.7 | 817.5 | 817.0 | 816.7 |
| 7.5° | 812.3 | 812.0 | 814.0 | 814.0 | 813.0 | 813.5 | 813.0 | 813.2 | 812.8 | 812.3 | 811.5 |
| 10° | 806.0 | 806.5 | 808.3 | 808.8 | 808.8 | 809.0 | 808.5 | 807.3 | 806.5 | 805.8 | 805.0 |
| 12.5° | 800.3 | 800.1 | 802.6 | 803.8 | 805.8 | 808.0 | 806.5 | 803.1 | 801.6 | 800.1 | 799.6 |
| 15° | 796.6 | 796.8 | 799.3 | 801.6 | 805.0 | 809.8 | 808.0 | 802.6 | 799.6 | 797.8 | 797.3 |
| 17.5° | 795.9 | 796.3 | 799.6 | 803.6 | 807.3 | 812.5 | 811.5 | 806.0 | 801.1 | 797.8 | 797.1 |
| 20° | 797.6 | 797.8 | 802.8 | 808.5 | 815.0 | 820.0 | 817.7 | 811.8 | 805.0 | 800.1 | 798.8 |
| 22.5° | 800.8 | 801.8 | 808.0 | 817.0 | 826.9 | 833.6 | 830.9 | 820.7 | 810.3 | 804.1 | 802.3 |
| 25° | 811.0 | 811.3 | 819.7 | 831.9 | 843.8 | 851.5 | 848.3 | 833.9 | 820.5 | 813.5 | 811.3 |
| 27.5° | 832.1 | 832.9 | 841.3 | 855.5 | 865.7 | 870.7 | 868.7 | 857.0 | 845.6 | 838.1 | 838.8 |
| 30° | 862.7 | 863.7 | 873.1 | 888.8 | 895.0 | 896.3 | 895.8 | 890.3 | 879.9 | 869.9 | 870.7 |
| 32.5° | 900.0 | 900.5 | 913.2 | 927.3 | 932.3 | 933.3 | 932.3 | 927.3 | 914.9 | 901.5 | 902.2 |
| 35° | 948.0 | 949.5 | 961.6 | 975.3 | 979.3 | 981.3 | 979.5 | 973.1 | 960.1 | 947.0 | 946.5 |
| 37.5° | 1007.1 | 1007.4 | 1020.0 | 1034.2 | 1039.2 | 1039.7 | 1037.7 | 1033.5 | 1017.3 | 1005.4 | 1004.6 |
| 40° | 1075.7 | 1076.7 | 1091.6 | 1106.8 | 1108.8 | 1106.5 | 1109.3 | 1106.8 | 1090.1 | 1076.5 | 1078.7 |
| 42.5° | 1159.2 | 1161.5 | 1179.4 | 1194.3 | 1188.6 | 1187.3 | 1189.1 | 1189.8 | 1176.4 | 1159.7 | 1158.2 |
| 45° | 1256.4 | 1258.4 | 1280.8 | 1292.7 | 1289.0 | 1280.8 | 1284.2 | 1290.2 | 1271.6 | 1250.9 | 1252.9 |
| 47.5° | 1367.3 | 1372.2 | 1396.1 | 1407.3 | 1398.1 | 1386.9 | 1393.6 | 1402.6 | 1380.7 | 1355.1 | 1353.8 |
| 50° | 1490.5 | 1496.8 | 1528.6 | 1544.2 | 1535.0 | 1514.4 | 1525.6 | 1531.6 | 1500.0 | 1466.9 | 1464.2 |
| 52.5° | 1622.0 | 1628.2 | 1668.3 | 1700.6 | 1694.6 | 1662.5 | 1678.2 | 1672.0 | 1635.7 | 1591.2 | 1587.7 |
| 55° | 1770.9 | 1773.4 | 1816.6 | 1868.8 | 1874.8 | 1851.2 | 1850.2 | 1840.0 | 1786.3 | 1734.9 | 1732.4 |
| 57.5° | 1924.0 | 1925.8 | 1981.7 | 2043.3 | 2071.4 | 2071.4 | 2043.6 | 2021.9 | 1950.6 | 1891.0 | 1884.7 |
| 60° | 2089.3 | 2095.5 | 2157.4 | 2241.2 | 2306.8 | 2326.2 | 2276.9 | 2218.0 | 2140.5 | 2067.7 | 2060.5 |
| 62.5° | 2236.4 | 2243.6 | 2338.3 | 2463.1 | 2568.5 | 2639.1 | 2518.8 | 2422.8 | 2281.7 | 2164.9 | 2151.2 |
| 65° | 2255.1 | 2274.5 | 2412.4 | 2638.3 | 2874.2 | 3015.1 | 2784.5 | 2548.1 | 2290.9 | 2128.6 | 2114.6 |
| 67.5° | 2059.5 | 2092.3 | 2278.7 | 2630.4 | 3117.8 | 3420.3 | 2954.2 | 2476.5 | 2125.8 | 1946.4 | 1931.0 |
| 70° | 1582.5 | 1630.2 | 1845.2 | 2300.8 | 3075.8 | 3550.8 | 2847.9 | 2168.1 | 1772.4 | 1579.3 | 1557.7 |
| 72.5° | 868.2 | 887.8 | 1081.2 | 1575.5 | 2465.8 | 3017.4 | 2375.4 | 1603.1 | 1175.4 | 956.4 | 920.1 |
| 75° | 275.4 | 282.4 | 380.8 | 644.7 | 1394.9 | 1998.6 | 1508.9 | 786.9 | 433.2 | 319.4 | 315.7 |
| 77.5° | 122.3 | 123.0 | 137.7 | 188.2 | 480.4 | 1012.6 | 577.1 | 214.2 | 147.6 | 129.0 | 133.2 |
| 80° | 77.3 | 77.3 | 85.3 | 93.2 | 130.7 | 294.0 | 156.1 | 101.9 | 87.0 | 80.8 | 82.5 |
| 82.5° | 37.0 | 41.0 | 55.4 | 59.7 | 71.8 | 98.9 | 80.0 | 66.6 | 58.2 | 43.2 | 40.3 |
| 85° | 24.4 | 20.4 | 35.0 | 39.5 | 41.8 | 47.5 | 46.5 | 44.0 | 38.0 | 21.6 | 24.1 |
| 87.5° | 10.9 | 10.4 | 18.1 | 16.7 | 15.7 | 11.9 | 17.9 | 22.1 | 21.4 | 10.7 | 10.7 |
| 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)