

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: P641365

Luminaire Tested: GWS-SA5F-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40674.3 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

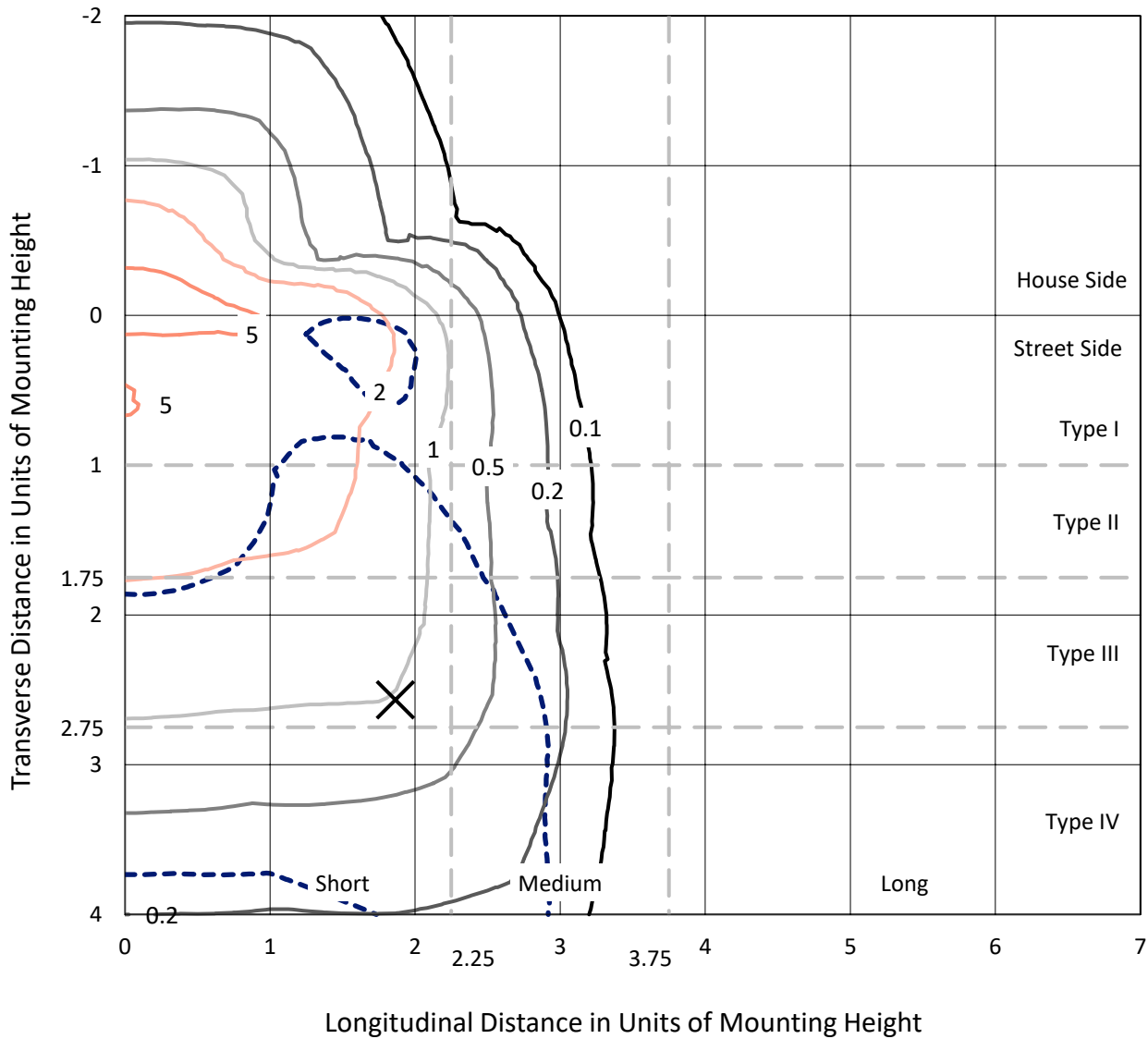
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641365
 CATALOG NUMBER: GWS-SA5F-760-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

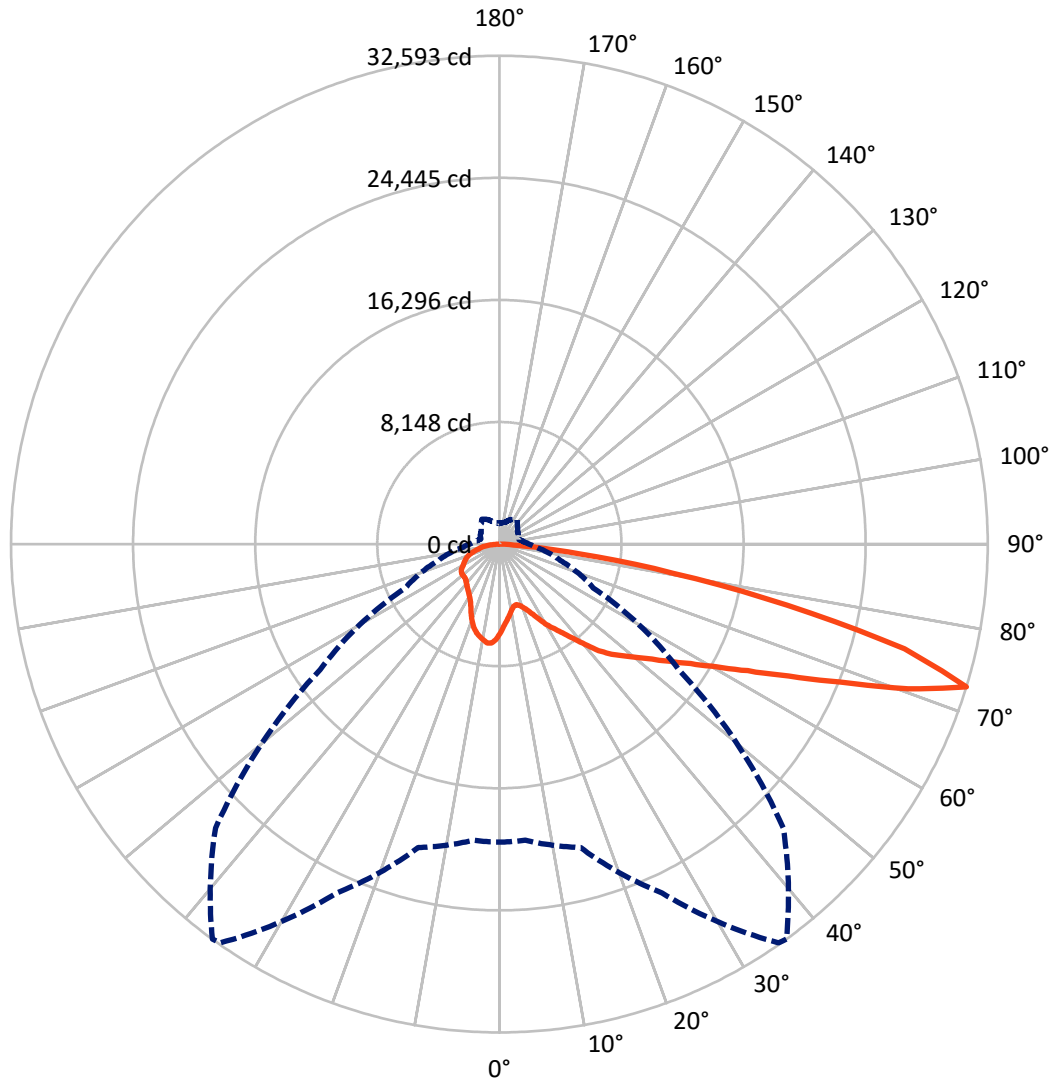
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

REPORT NUMBER: P641365
CATALOG NUMBER: GWS-SA5F-760-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P641365

CATALOG NUMBER: GWS-SA5F-760-U-T4FT-W

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9377.2 | 0.0 | 9377.2 |
| | % Fixture | 23.1 | 0.0 | 23.1 |
| Street Side | Lumens | 31297.1 | 0.0 | 31297.1 |
| | % Fixture | 76.9 | 0.0 | 76.9 |
| Total | Lumens | 40674.3 | 0.0 | 40674.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 556.4 | 1.4 |
| 10°-20° | 1569.9 | 3.9 |
| 20°-30° | 2600.0 | 6.4 |
| 30°-40° | 3893.7 | 9.6 |
| 40°-50° | 5680.5 | 14.0 |
| 50°-60° | 8085.1 | 19.9 |
| 60°-70° | 10215.0 | 25.1 |
| 70°-80° | 7279.0 | 17.9 |
| 80°-90° | 794.6 | 2.0 |
| 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° | 40674.3 | 100.0 |
| 0°-180° | 40674.3 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P641365

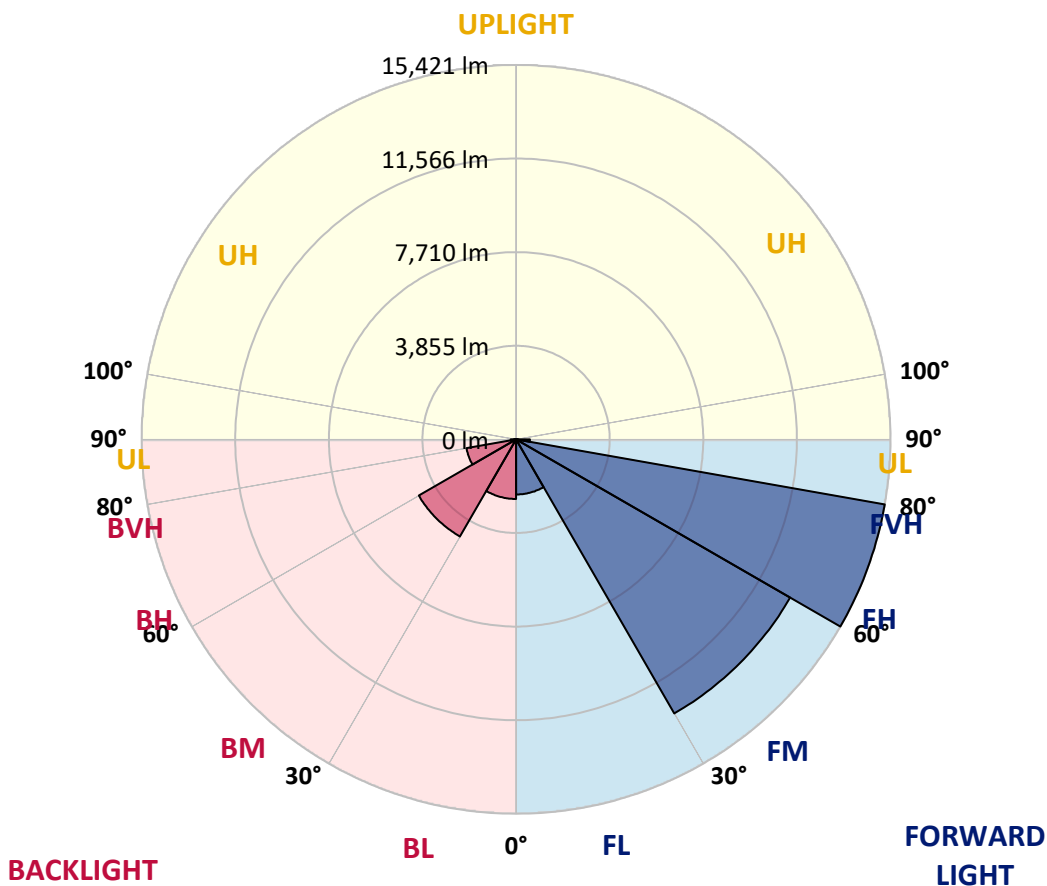
CATALOG NUMBER: GWS-SA5F-760-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2270.7 | 5.6 | | | |
| FM (30°-60°) | 13035.1 | 32.0 | | | |
| FH (60°-80°) | 15421.0 | 37.9 | | | G5 |
| FVH (80°-90°) | 570.3 | 1.4 | | | G4/750 |
| BL (0°-30°) | 2455.6 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 4624.3 | 11.4 | B3/5000 | | |
| BH (60°-80°) | 2073.0 | 5.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 224.3 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P641365

CATALOG NUMBER: GWS-SA5F-760-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 |
| 2.5° | 5430.6 | 5421.6 | 5403.5 | 5457.8 | 5512.1 | 5506.1 | 5581.6 | 5654.0 | 5732.5 | 5814.0 | 5922.7 |
| 5° | 4995.9 | 4989.9 | 4974.8 | 5056.3 | 5137.8 | 5134.8 | 5258.6 | 5376.3 | 5536.3 | 5711.4 | 5928.7 |
| 7.5° | 4561.2 | 4546.2 | 4567.3 | 4669.9 | 4784.6 | 4796.7 | 4965.8 | 5158.9 | 5391.4 | 5654.0 | 5961.9 |
| 10° | 4177.9 | 4174.9 | 4183.9 | 4298.6 | 4470.7 | 4482.8 | 4700.1 | 4968.8 | 5276.7 | 5626.8 | 6037.4 |
| 12.5° | 4078.3 | 4072.2 | 4048.1 | 4105.4 | 4235.2 | 4253.3 | 4491.8 | 4820.9 | 5198.2 | 5641.9 | 6140.0 |
| 15° | 4241.3 | 4226.2 | 4141.6 | 4114.5 | 4177.9 | 4193.0 | 4395.2 | 4733.3 | 5152.9 | 5669.1 | 6269.8 |
| 17.5° | 4522.0 | 4512.9 | 4353.0 | 4241.3 | 4283.5 | 4295.6 | 4446.5 | 4718.2 | 5140.8 | 5723.4 | 6429.8 |
| 20° | 4932.5 | 4893.3 | 4642.8 | 4473.7 | 4473.7 | 4491.8 | 4582.4 | 4784.6 | 5155.9 | 5789.9 | 6610.9 |
| 22.5° | 5475.9 | 5397.4 | 5044.2 | 4814.8 | 4754.4 | 4778.6 | 4817.8 | 4950.7 | 5219.3 | 5901.5 | 6837.3 |
| 25° | 6085.7 | 6013.2 | 5593.6 | 5270.6 | 5186.1 | 5195.2 | 5162.0 | 5186.1 | 5358.2 | 6055.5 | 7118.1 |
| 27.5° | 6734.7 | 6686.4 | 6239.6 | 5829.1 | 5696.3 | 5696.3 | 5578.5 | 5521.2 | 5551.4 | 6230.6 | 7432.0 |
| 30° | 7314.3 | 7247.9 | 6870.5 | 6420.8 | 6245.7 | 6245.7 | 6022.3 | 5898.5 | 5826.1 | 6444.9 | 7851.6 |
| 32.5° | 7619.2 | 7579.9 | 7329.4 | 6985.3 | 6770.9 | 6737.7 | 6544.5 | 6399.6 | 6230.6 | 6761.9 | 8419.1 |
| 35° | 8017.7 | 8008.6 | 7857.7 | 7589.0 | 7317.3 | 7269.0 | 7136.2 | 7021.5 | 6728.7 | 7157.3 | 9173.8 |
| 37.5° | 8518.8 | 8503.7 | 8479.5 | 8319.5 | 7993.5 | 7984.4 | 7866.7 | 7727.9 | 7347.5 | 7727.9 | 10088.5 |
| 40° | 9080.2 | 9053.1 | 9022.9 | 9019.9 | 8823.6 | 8790.4 | 8781.4 | 8624.4 | 8093.1 | 8416.1 | 11042.4 |
| 42.5° | 9853.0 | 9759.4 | 9475.7 | 9602.5 | 9747.4 | 9717.2 | 9831.9 | 9596.4 | 9022.9 | 9234.2 | 11945.0 |
| 45° | 10803.9 | 10574.5 | 10013.0 | 10049.2 | 10414.5 | 10474.9 | 10873.3 | 10816.0 | 10046.2 | 10179.0 | 12895.9 |
| 47.5° | 11374.4 | 11175.2 | 10653.0 | 10622.8 | 11078.6 | 11154.1 | 12020.4 | 12129.1 | 11148.0 | 11317.1 | 14070.1 |
| 50° | 11842.3 | 11703.5 | 11274.8 | 11317.1 | 11800.1 | 11875.5 | 13158.5 | 13390.9 | 12186.5 | 12482.3 | 15434.6 |
| 52.5° | 12406.8 | 12207.6 | 11875.5 | 12074.8 | 12666.4 | 12757.0 | 14423.3 | 14673.9 | 13122.3 | 13762.2 | 16847.3 |
| 55° | 12723.8 | 12642.3 | 12648.3 | 12953.2 | 13695.8 | 13819.6 | 15748.5 | 15706.3 | 13979.6 | 14858.0 | 17909.9 |
| 57.5° | 13454.3 | 13424.1 | 13701.9 | 13816.6 | 14897.3 | 15057.2 | 17073.7 | 16711.5 | 14758.4 | 15706.3 | 18420.1 |
| 60° | 14743.3 | 14667.8 | 14909.3 | 15084.4 | 16382.5 | 16608.9 | 18552.9 | 17695.6 | 15286.7 | 16337.2 | 18248.0 |
| 62.5° | 16554.5 | 16460.9 | 16470.0 | 16747.7 | 18371.8 | 18610.3 | 20198.1 | 18516.7 | 15449.7 | 16433.8 | 17158.3 |
| 65° | 18806.5 | 18670.6 | 18516.7 | 18894.0 | 21013.1 | 21212.4 | 21988.2 | 19114.4 | 15060.3 | 15504.0 | 14882.2 |
| 67.5° | 21182.2 | 21070.5 | 20889.4 | 21680.3 | 24433.3 | 24554.1 | 23995.6 | 19063.1 | 13825.6 | 13016.6 | 10438.6 |
| 70° | 21321.0 | 21348.2 | 22205.5 | 25067.2 | 28898.0 | 28928.2 | 25894.4 | 18030.7 | 11196.3 | 8437.3 | 5201.2 |
| 72.5° | 19890.2 | 19844.9 | 20961.8 | 25686.1 | 32490.2 | 32592.8 | 26790.9 | 14607.5 | 6918.8 | 4208.1 | 2439.1 |
| 75° | 16156.1 | 16234.5 | 17408.8 | 22474.2 | 27847.5 | 27938.0 | 21840.3 | 8612.3 | 3287.4 | 2058.7 | 1560.7 |
| 77.5° | 6955.1 | 7392.8 | 9708.1 | 15833.1 | 19944.5 | 19663.8 | 11256.7 | 3489.6 | 1753.9 | 1467.1 | 1195.4 |
| 80° | 2007.4 | 2179.5 | 3459.4 | 7528.6 | 11951.0 | 11739.7 | 4455.6 | 1307.1 | 1222.6 | 1101.8 | 857.3 |
| 82.5° | 649.0 | 718.4 | 1267.9 | 2997.6 | 5355.2 | 5349.1 | 1690.5 | 772.8 | 800.0 | 748.6 | 552.4 |
| 85° | 181.1 | 208.3 | 389.4 | 908.6 | 1657.3 | 1624.1 | 489.0 | 365.3 | 425.6 | 431.7 | 274.7 |
| 87.5° | 0.0 | 0.0 | 3.0 | 6.0 | 6.0 | 6.0 | 12.1 | 54.3 | 123.8 | 157.0 | 111.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P641365
 CATALOG NUMBER: GWS-SA5F-760-U-T4FT-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 | 5952.9 |
| 2.5° | 5989.1 | 5980.0 | 6103.8 | 6200.4 | 6291.0 | 6351.3 | 6369.4 | 6381.5 | 6405.7 | 6417.7 | 6405.7 |
| 5° | 6031.4 | 6076.6 | 6281.9 | 6432.8 | 6553.6 | 6626.0 | 6629.1 | 6623.0 | 6641.1 | 6626.0 | 6617.0 |
| 7.5° | 6121.9 | 6209.5 | 6469.1 | 6629.1 | 6707.5 | 6710.6 | 6638.1 | 6553.6 | 6511.3 | 6475.1 | 6463.0 |
| 10° | 6242.7 | 6372.5 | 6656.2 | 6761.9 | 6737.7 | 6626.0 | 6466.0 | 6333.2 | 6257.8 | 6203.4 | 6191.3 |
| 12.5° | 6408.7 | 6553.6 | 6822.3 | 6819.2 | 6668.3 | 6469.1 | 6281.9 | 6121.9 | 6013.2 | 5949.8 | 5928.7 |
| 15° | 6565.7 | 6749.8 | 6943.0 | 6801.1 | 6562.6 | 6321.1 | 6079.7 | 5865.3 | 5720.4 | 5620.8 | 5602.7 |
| 17.5° | 6758.9 | 6955.1 | 7030.5 | 6743.8 | 6429.8 | 6118.9 | 5795.9 | 5515.2 | 5318.9 | 5201.2 | 5192.2 |
| 20° | 6982.2 | 7157.3 | 7072.8 | 6644.1 | 6257.8 | 5850.2 | 5412.5 | 5098.6 | 4887.3 | 4772.6 | 4781.6 |
| 22.5° | 7241.8 | 7368.6 | 7084.9 | 6508.3 | 6019.3 | 5469.9 | 4980.8 | 4679.0 | 4537.1 | 4476.7 | 4479.7 |
| 25° | 7519.6 | 7601.1 | 7063.7 | 6324.2 | 5654.0 | 5005.0 | 4537.1 | 4398.2 | 4386.2 | 4371.1 | 4377.1 |
| 27.5° | 7848.6 | 7830.5 | 7000.4 | 6064.6 | 5162.0 | 4464.6 | 4226.2 | 4262.4 | 4310.7 | 4304.7 | 4310.7 |
| 30° | 8289.3 | 8117.3 | 6918.8 | 5705.3 | 4576.3 | 4011.8 | 4042.0 | 4144.7 | 4208.1 | 4214.1 | 4232.2 |
| 32.5° | 8793.5 | 8434.2 | 6789.0 | 5216.3 | 4017.9 | 3758.3 | 3870.0 | 3993.7 | 4069.2 | 4084.3 | 4108.4 |
| 35° | 9394.2 | 8796.5 | 6559.6 | 4606.5 | 3616.4 | 3607.3 | 3710.0 | 3794.5 | 3876.0 | 3882.0 | 3882.0 |
| 37.5° | 10085.5 | 9158.7 | 6194.4 | 3933.4 | 3368.9 | 3477.5 | 3574.1 | 3592.2 | 3613.4 | 3595.3 | 3604.3 |
| 40° | 10719.4 | 9508.9 | 5675.1 | 3320.6 | 3166.6 | 3362.8 | 3444.3 | 3384.0 | 3317.5 | 3272.3 | 3281.3 |
| 42.5° | 11250.7 | 9747.4 | 4986.9 | 2891.9 | 2961.3 | 3260.2 | 3323.6 | 3199.8 | 3070.0 | 2985.5 | 2997.6 |
| 45° | 11848.4 | 9967.7 | 4177.9 | 2602.1 | 2786.3 | 3187.7 | 3230.0 | 3070.0 | 2904.0 | 2777.2 | 2759.1 |
| 47.5° | 12672.5 | 10417.5 | 3459.4 | 2399.9 | 2662.5 | 3148.5 | 3217.9 | 3000.6 | 2783.2 | 2593.1 | 2571.9 |
| 50° | 13689.8 | 11054.5 | 2858.7 | 2267.0 | 2605.1 | 3127.4 | 3214.9 | 2925.1 | 2665.5 | 2442.1 | 2427.0 |
| 52.5° | 14800.7 | 11676.3 | 2415.0 | 2164.4 | 2547.8 | 3064.0 | 3199.8 | 2840.6 | 2541.7 | 2300.2 | 2282.1 |
| 55° | 15540.2 | 11920.8 | 2116.1 | 2067.8 | 2454.2 | 2964.4 | 3139.4 | 2759.1 | 2354.6 | 2134.2 | 2107.0 |
| 57.5° | 15757.6 | 11606.9 | 1907.8 | 1980.3 | 2333.5 | 2825.5 | 3024.7 | 2587.0 | 2239.9 | 2064.8 | 2043.7 |
| 60° | 15383.3 | 10816.0 | 1778.0 | 1907.8 | 2200.6 | 2647.4 | 2825.5 | 2487.4 | 2149.3 | 1992.3 | 1977.2 |
| 62.5° | 14326.7 | 9596.4 | 1678.4 | 1832.3 | 2064.8 | 2460.2 | 2698.7 | 2366.7 | 2049.7 | 1925.9 | 1904.8 |
| 65° | 12201.6 | 7869.7 | 1596.9 | 1753.9 | 1935.0 | 2282.1 | 2559.9 | 2245.9 | 1941.0 | 1847.4 | 1823.3 |
| 67.5° | 8533.8 | 5527.2 | 1509.3 | 1660.3 | 1805.2 | 2110.1 | 2415.0 | 2134.2 | 1829.3 | 1759.9 | 1735.7 |
| 70° | 4171.8 | 2931.2 | 1403.7 | 1551.6 | 1666.3 | 1935.0 | 2270.1 | 1998.4 | 1681.4 | 1642.2 | 1609.0 |
| 72.5° | 1986.3 | 1639.2 | 1279.9 | 1403.7 | 1476.1 | 1702.5 | 2028.6 | 1802.2 | 1506.3 | 1421.8 | 1364.5 |
| 75° | 1331.2 | 1165.2 | 1116.9 | 1228.6 | 1246.7 | 1427.8 | 1738.8 | 1554.6 | 1328.2 | 1231.6 | 1183.3 |
| 77.5° | 1008.2 | 890.5 | 938.8 | 1038.4 | 1002.2 | 1174.3 | 1430.9 | 1385.6 | 1198.4 | 1110.9 | 1086.7 |
| 80° | 709.4 | 649.0 | 745.6 | 806.0 | 778.8 | 999.2 | 1289.0 | 1186.3 | 987.1 | 890.5 | 872.4 |
| 82.5° | 446.8 | 434.7 | 549.4 | 558.5 | 567.5 | 790.9 | 1059.6 | 932.8 | 766.7 | 630.9 | 585.6 |
| 85° | 223.4 | 247.5 | 329.0 | 329.0 | 326.0 | 407.5 | 603.7 | 525.3 | 413.6 | 329.0 | 320.0 |
| 87.5° | 75.5 | 105.7 | 141.9 | 114.7 | 87.5 | 69.4 | 78.5 | 96.6 | 102.6 | 99.6 | 99.6 |
| 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)