

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: P636331

Luminaire Tested: GWS-SA3F-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24506.2 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

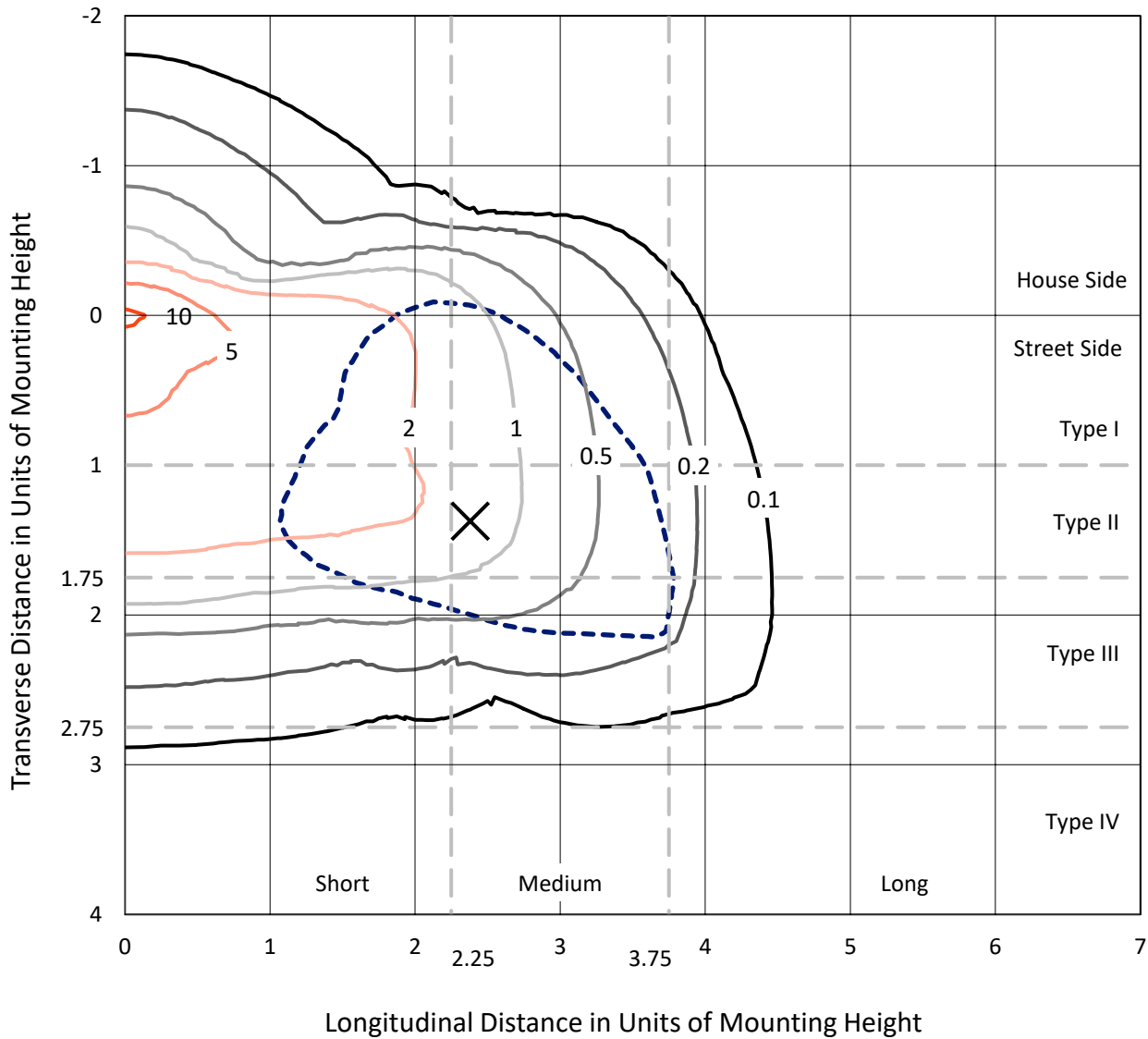
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

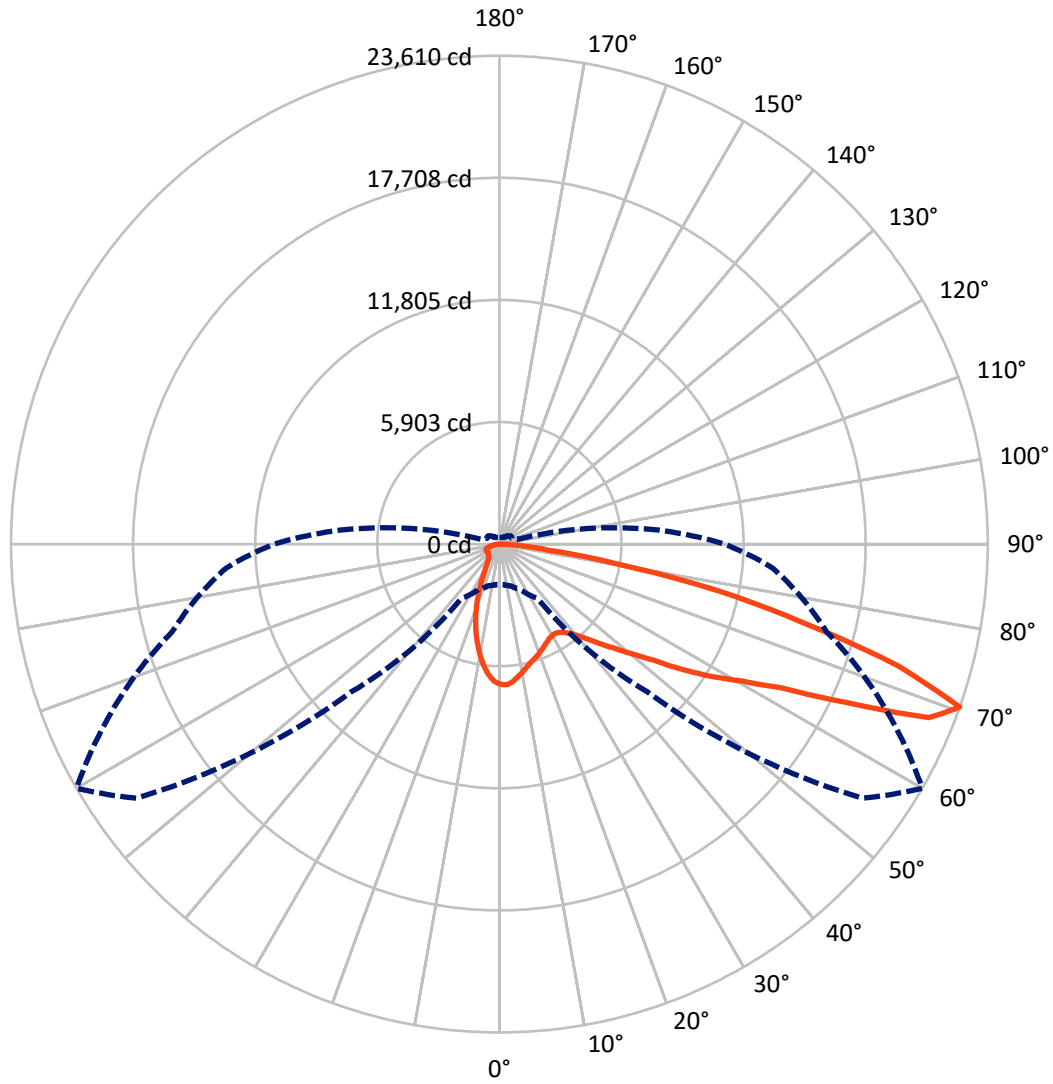
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4191.1 | 0.0 | 4191.1 |
| | % Fixture | 17.1 | 0.0 | 17.1 |
| Street Side | Lumens | 20315.1 | 0.0 | 20315.1 |
| | % Fixture | 82.9 | 0.0 | 82.9 |
| Total | Lumens | 24506.2 | 0.0 | 24506.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 584.5 | 2.4 |
| 10°-20° | 1309.5 | 5.3 |
| 20°-30° | 1677.0 | 6.8 |
| 30°-40° | 2204.0 | 9.0 |
| 40°-50° | 3197.7 | 13.0 |
| 50°-60° | 4989.1 | 20.4 |
| 60°-70° | 6531.7 | 26.7 |
| 70°-80° | 3611.8 | 14.7 |
| 80°-90° | 400.8 | 1.6 |
| 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° | 24506.2 | 100.0 |
| 0°-180° | 24506.2 | 100.0 |

Coefficient of Utilization



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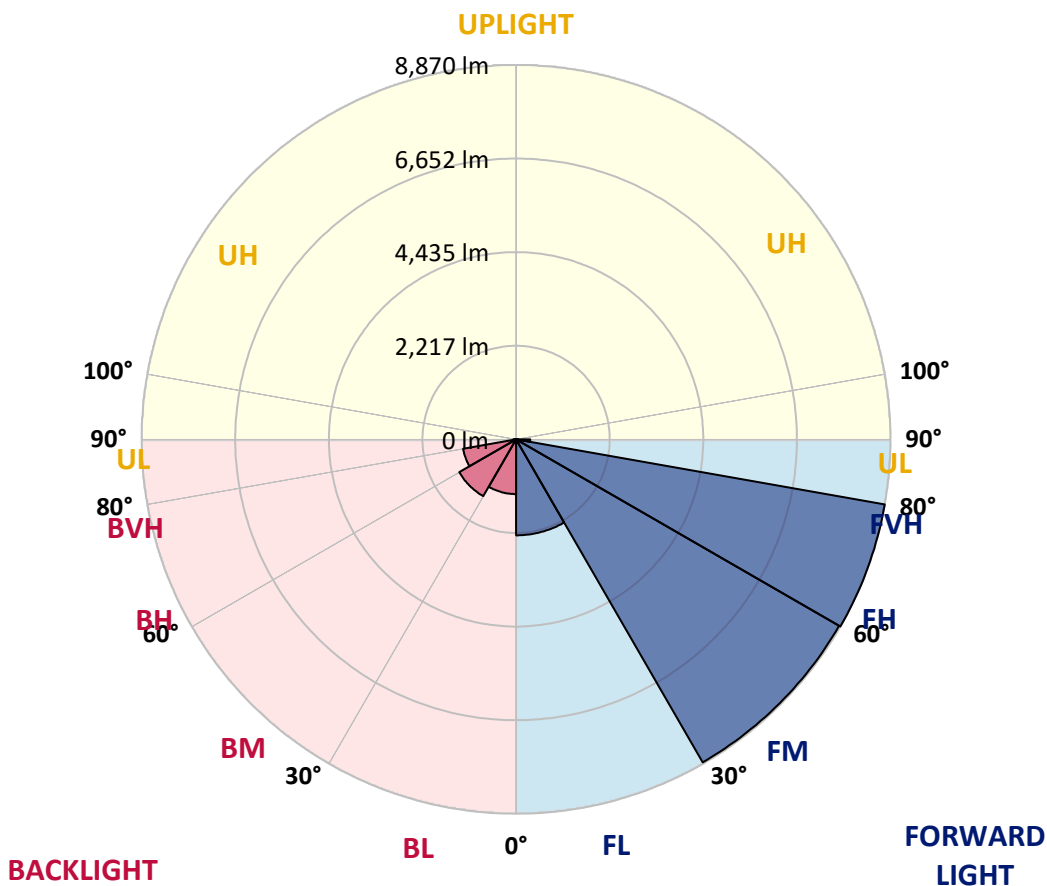
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2274.3 | 9.3 | | | |
| FM (30°-60°) | 8836.8 | 36.1 | | | |
| FH (60°-80°) | 8869.9 | 36.2 | | | G4/12000 |
| FVH (80°-90°) | 334.0 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1296.7 | 5.3 | B3/2500 | | |
| BM (30°-60°) | 1553.9 | 6.3 | B2/2500 | | |
| BH (60°-80°) | 1273.7 | 5.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 66.8 | 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-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 |
| 2.5° | 6686.2 | 6693.3 | 6713.0 | 6741.7 | 6770.4 | 6784.8 | 6820.6 | 6809.9 | 6802.7 | 6788.4 | 6770.4 |
| 5° | 6390.3 | 6404.6 | 6422.6 | 6478.2 | 6540.9 | 6591.1 | 6671.8 | 6680.8 | 6684.4 | 6691.5 | 6662.8 |
| 7.5° | 6013.8 | 6017.4 | 6060.4 | 6133.9 | 6216.4 | 6302.4 | 6436.9 | 6474.6 | 6506.9 | 6542.7 | 6519.4 |
| 10° | 5597.8 | 5606.8 | 5639.0 | 5744.8 | 5886.5 | 6013.8 | 6194.9 | 6257.6 | 6325.8 | 6404.6 | 6372.4 |
| 12.5° | 5257.1 | 5258.9 | 5310.9 | 5423.9 | 5578.1 | 5750.2 | 5976.1 | 6051.4 | 6141.1 | 6264.8 | 6236.1 |
| 15° | 4986.4 | 4986.4 | 5034.8 | 5131.6 | 5309.1 | 5511.7 | 5780.7 | 5877.5 | 5999.4 | 6166.2 | 6116.0 |
| 17.5° | 4771.2 | 4773.0 | 4803.5 | 4905.7 | 5063.5 | 5287.6 | 5606.8 | 5737.6 | 5872.1 | 6092.7 | 6017.4 |
| 20° | 4658.3 | 4649.3 | 4654.7 | 4717.4 | 4851.9 | 5068.9 | 5432.8 | 5585.2 | 5766.3 | 6042.5 | 5927.7 |
| 22.5° | 4652.9 | 4636.7 | 4613.4 | 4618.8 | 4697.7 | 4877.0 | 5246.4 | 5431.0 | 5658.8 | 6001.2 | 5836.3 |
| 25° | 4744.3 | 4726.4 | 4685.1 | 4638.5 | 4631.4 | 4738.9 | 5070.6 | 5280.4 | 5547.6 | 5983.3 | 5748.4 |
| 27.5° | 4898.5 | 4886.0 | 4832.2 | 4762.2 | 4688.7 | 4685.1 | 4938.0 | 5156.7 | 5466.9 | 6001.2 | 5685.7 |
| 30° | 5102.9 | 5081.4 | 5047.3 | 4957.7 | 4846.5 | 4731.8 | 4886.0 | 5090.4 | 5413.1 | 6058.6 | 5658.8 |
| 32.5° | 5334.2 | 5321.7 | 5289.4 | 5199.7 | 5081.4 | 4898.5 | 4927.2 | 5104.7 | 5413.1 | 6159.0 | 5664.1 |
| 35° | 5579.9 | 5578.1 | 5578.1 | 5518.9 | 5388.0 | 5160.3 | 5090.4 | 5226.6 | 5495.6 | 6320.4 | 5721.5 |
| 37.5° | 5818.3 | 5816.5 | 5873.9 | 5895.4 | 5746.6 | 5501.0 | 5368.3 | 5470.5 | 5676.7 | 6558.8 | 5863.2 |
| 40° | 6012.0 | 6019.2 | 6144.7 | 6252.2 | 6169.8 | 5942.1 | 5755.6 | 5807.6 | 5970.7 | 6897.7 | 6110.6 |
| 42.5° | 6207.4 | 6227.1 | 6415.4 | 6605.5 | 6637.7 | 6440.5 | 6252.2 | 6282.7 | 6392.1 | 7346.0 | 6480.0 |
| 45° | 6420.8 | 6429.8 | 6693.3 | 6958.7 | 7114.7 | 6998.1 | 6843.9 | 6885.2 | 6910.3 | 7900.0 | 7030.4 |
| 47.5° | 6627.0 | 6650.3 | 6991.0 | 7354.9 | 7650.8 | 7640.0 | 7554.0 | 7541.4 | 7546.8 | 8574.2 | 7681.3 |
| 50° | 6908.5 | 6942.6 | 7342.4 | 7781.7 | 8215.6 | 8414.6 | 8439.7 | 8344.7 | 8305.2 | 9323.7 | 8491.7 |
| 52.5° | 7442.8 | 7442.8 | 7801.4 | 8233.5 | 8816.3 | 9309.3 | 9477.9 | 9321.9 | 9196.4 | 10116.2 | 9352.4 |
| 55° | 8111.6 | 8140.3 | 8425.4 | 8775.0 | 9513.7 | 10250.7 | 10820.8 | 10648.7 | 10293.7 | 10978.6 | 10254.3 |
| 57.5° | 8409.2 | 8445.1 | 8896.9 | 9440.2 | 10426.4 | 11321.1 | 12111.8 | 12050.9 | 11532.7 | 11875.1 | 11190.2 |
| 60° | 7871.3 | 7946.6 | 8568.8 | 9479.7 | 11253.0 | 13047.8 | 13605.4 | 13427.9 | 12687.4 | 12816.5 | 12205.1 |
| 62.5° | 6566.0 | 6648.5 | 7338.8 | 8610.1 | 11138.2 | 14914.3 | 15959.6 | 15305.2 | 14129.0 | 14005.2 | 13557.0 |
| 65° | 3917.7 | 3914.2 | 4744.3 | 6429.8 | 9723.5 | 15432.5 | 19685.5 | 18464.5 | 16355.9 | 15636.9 | 14948.4 |
| 67.5° | 2490.5 | 2485.1 | 2659.0 | 3406.7 | 6471.0 | 14163.0 | 22081.0 | 22398.3 | 19380.7 | 16836.4 | 15063.1 |
| 70° | 1965.1 | 1963.4 | 2088.9 | 2429.5 | 3200.5 | 10078.5 | 21414.0 | 23610.4 | 21207.8 | 16379.2 | 13262.9 |
| 72.5° | 1432.6 | 1436.2 | 1629.9 | 2035.1 | 2469.0 | 5059.9 | 17340.2 | 20201.9 | 19506.2 | 14458.9 | 10767.1 |
| 75° | 1029.2 | 1034.6 | 1151.1 | 1558.1 | 2277.1 | 2766.6 | 11530.9 | 15190.4 | 14840.8 | 11590.0 | 7406.9 |
| 77.5° | 654.5 | 661.6 | 763.8 | 1091.9 | 1839.6 | 2234.1 | 6991.0 | 10724.0 | 9874.1 | 6530.2 | 2633.9 |
| 80° | 399.8 | 423.2 | 509.2 | 814.0 | 1470.3 | 1676.5 | 3494.6 | 5649.8 | 4945.1 | 1791.2 | 885.7 |
| 82.5° | 206.2 | 224.1 | 306.6 | 503.8 | 1013.1 | 1472.1 | 1977.7 | 2374.0 | 1531.2 | 749.5 | 471.6 |
| 85° | 64.5 | 75.3 | 107.6 | 204.4 | 482.3 | 912.6 | 1308.9 | 1179.8 | 702.9 | 353.2 | 218.7 |
| 87.5° | 16.1 | 16.1 | 17.9 | 17.9 | 19.7 | 41.2 | 252.8 | 267.2 | 186.5 | 111.2 | 89.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 | 6781.2 |
| 2.5° | 6734.6 | 6691.5 | 6673.6 | 6671.8 | 6627.0 | 6562.4 | 6519.4 | 6488.9 | 6471.0 | 6467.4 | 6467.4 |
| 5° | 6614.4 | 6558.8 | 6485.3 | 6429.8 | 6309.6 | 6187.7 | 6085.5 | 6028.1 | 5961.8 | 5952.8 | 5951.0 |
| 7.5° | 6454.9 | 6374.2 | 6234.3 | 6078.3 | 5868.5 | 5665.9 | 5493.8 | 5377.3 | 5260.7 | 5239.2 | 5232.0 |
| 10° | 6282.7 | 6173.4 | 5934.9 | 5660.5 | 5346.8 | 5043.8 | 4780.2 | 4574.0 | 4437.7 | 4340.9 | 4323.0 |
| 12.5° | 6112.4 | 5967.2 | 5617.5 | 5208.7 | 4778.4 | 4364.2 | 3967.9 | 3630.9 | 3387.0 | 3245.4 | 3220.3 |
| 15° | 5952.8 | 5750.2 | 5271.5 | 4749.7 | 4190.3 | 3623.7 | 3062.5 | 2625.0 | 2282.5 | 2160.6 | 2131.9 |
| 17.5° | 5807.6 | 5554.8 | 4936.2 | 4274.5 | 3577.1 | 2836.5 | 2198.2 | 1809.2 | 1608.3 | 1547.4 | 1533.0 |
| 20° | 5662.3 | 5353.9 | 4595.5 | 3774.3 | 2926.2 | 2096.0 | 1606.5 | 1423.7 | 1348.3 | 1325.0 | 1317.9 |
| 22.5° | 5506.3 | 5133.4 | 4224.3 | 3281.2 | 2268.2 | 1568.9 | 1314.3 | 1233.6 | 1210.3 | 1212.1 | 1210.3 |
| 25° | 5350.4 | 4909.3 | 3835.3 | 2745.1 | 1689.0 | 1273.0 | 1147.5 | 1117.0 | 1122.4 | 1138.6 | 1142.2 |
| 27.5° | 5221.3 | 4710.3 | 3453.3 | 2157.0 | 1319.7 | 1095.5 | 1036.4 | 1034.6 | 1054.3 | 1075.8 | 1079.4 |
| 30° | 5128.0 | 4532.7 | 3076.8 | 1658.5 | 1086.6 | 973.6 | 950.3 | 961.1 | 984.4 | 1000.5 | 1005.9 |
| 32.5° | 5061.7 | 4380.3 | 2675.2 | 1303.5 | 952.1 | 887.5 | 876.8 | 887.5 | 901.9 | 918.0 | 921.6 |
| 35° | 5038.4 | 4269.2 | 2280.7 | 1063.3 | 860.6 | 824.8 | 817.6 | 823.0 | 830.2 | 839.1 | 842.7 |
| 37.5° | 5090.4 | 4213.6 | 1868.3 | 925.2 | 805.1 | 783.5 | 772.8 | 769.2 | 771.0 | 774.6 | 776.4 |
| 40° | 5244.6 | 4238.7 | 1531.2 | 844.5 | 769.2 | 749.5 | 731.6 | 724.4 | 722.6 | 726.2 | 724.4 |
| 42.5° | 5509.9 | 4344.5 | 1287.4 | 797.9 | 740.5 | 711.8 | 692.1 | 684.9 | 684.9 | 693.9 | 693.9 |
| 45° | 5899.0 | 4552.5 | 1111.7 | 763.8 | 715.4 | 679.6 | 658.0 | 654.5 | 661.6 | 676.0 | 677.8 |
| 47.5° | 6469.2 | 4857.3 | 1005.9 | 738.7 | 692.1 | 650.9 | 629.3 | 627.6 | 641.9 | 665.2 | 667.0 |
| 50° | 7145.2 | 5296.6 | 948.5 | 720.8 | 676.0 | 627.6 | 606.0 | 607.8 | 624.0 | 649.1 | 654.5 |
| 52.5° | 7959.2 | 5895.4 | 952.1 | 713.6 | 667.0 | 613.2 | 591.7 | 588.1 | 604.2 | 629.3 | 634.7 |
| 55° | 8800.1 | 6623.4 | 1022.0 | 715.4 | 654.5 | 606.0 | 577.4 | 564.8 | 579.1 | 597.1 | 598.9 |
| 57.5° | 9725.3 | 7444.6 | 1195.9 | 711.8 | 638.3 | 598.9 | 564.8 | 536.1 | 545.1 | 555.8 | 561.2 |
| 60° | 10768.8 | 8411.0 | 1570.7 | 719.0 | 631.1 | 582.7 | 539.7 | 502.0 | 500.3 | 507.4 | 509.2 |
| 62.5° | 12163.8 | 9725.3 | 1992.0 | 731.6 | 647.3 | 563.0 | 502.0 | 462.6 | 455.4 | 459.0 | 460.8 |
| 65° | 13230.7 | 10352.9 | 1859.4 | 720.8 | 681.3 | 548.7 | 466.2 | 424.9 | 410.6 | 407.0 | 407.0 |
| 67.5° | 12796.7 | 9522.7 | 1294.6 | 692.1 | 697.5 | 550.5 | 437.5 | 385.5 | 367.6 | 358.6 | 356.8 |
| 70° | 10889.0 | 7735.1 | 900.1 | 663.4 | 679.6 | 546.9 | 407.0 | 353.2 | 329.9 | 317.4 | 315.6 |
| 72.5° | 8602.9 | 5906.2 | 728.0 | 606.0 | 616.8 | 493.1 | 362.2 | 317.4 | 297.6 | 281.5 | 281.5 |
| 75° | 5536.8 | 3604.0 | 607.8 | 539.7 | 503.8 | 383.7 | 313.8 | 283.3 | 263.6 | 247.4 | 247.4 |
| 77.5° | 1862.9 | 1337.6 | 471.6 | 457.2 | 376.5 | 288.7 | 263.6 | 243.9 | 227.7 | 213.4 | 211.6 |
| 80° | 756.7 | 634.7 | 346.1 | 346.1 | 263.6 | 220.5 | 206.2 | 197.2 | 186.5 | 168.5 | 168.5 |
| 82.5° | 439.3 | 385.5 | 242.1 | 209.8 | 175.7 | 152.4 | 143.4 | 134.5 | 134.5 | 121.9 | 121.9 |
| 85° | 211.6 | 213.4 | 145.2 | 129.1 | 100.4 | 87.9 | 84.3 | 78.9 | 77.1 | 69.9 | 68.1 |
| 87.5° | 114.8 | 116.5 | 73.5 | 57.4 | 39.4 | 34.1 | 28.7 | 26.9 | 25.1 | 23.3 | 23.3 |
| 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)