

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: P635339

Luminaire Tested: GWS-SA3D-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15075.3 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

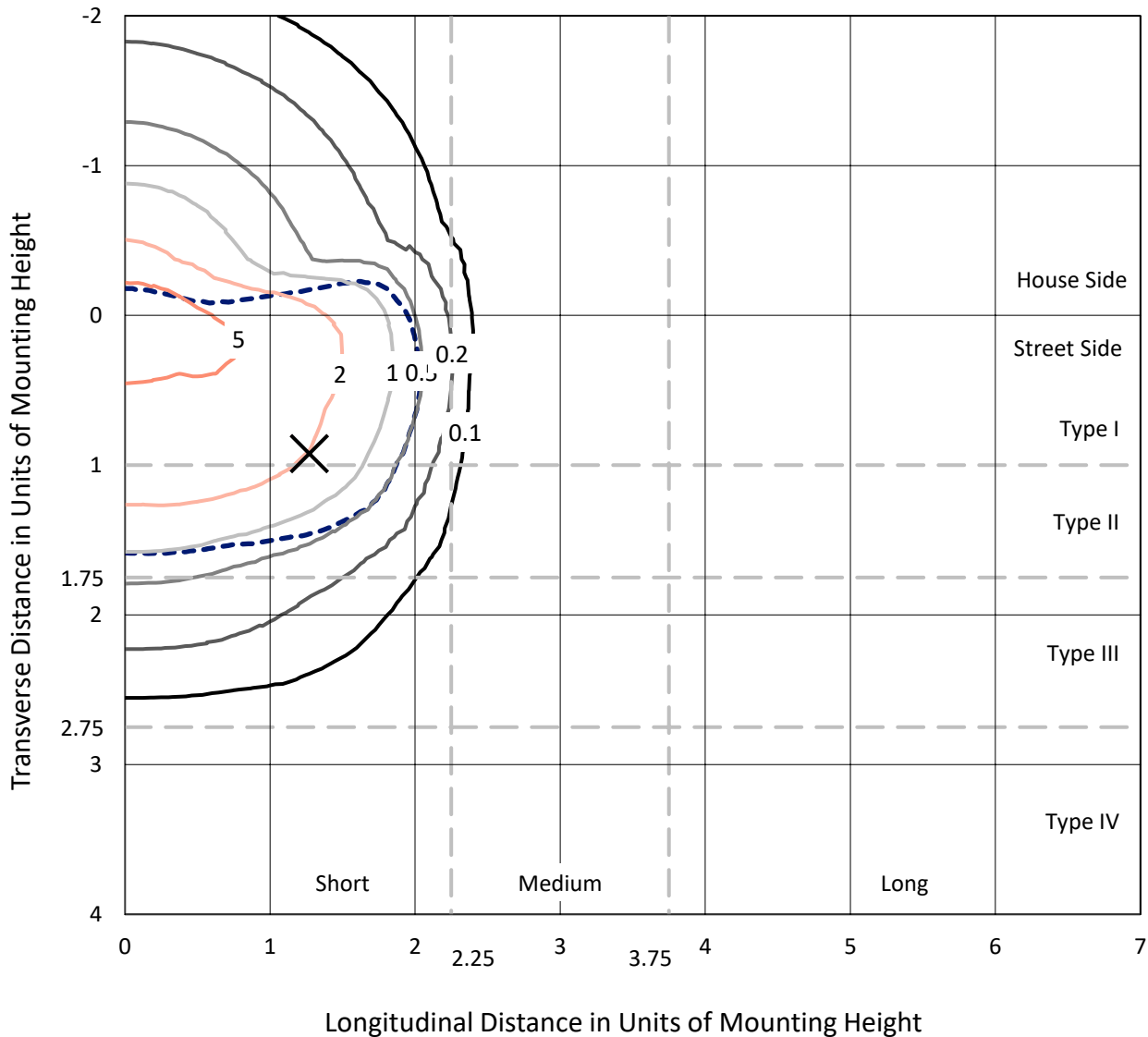
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

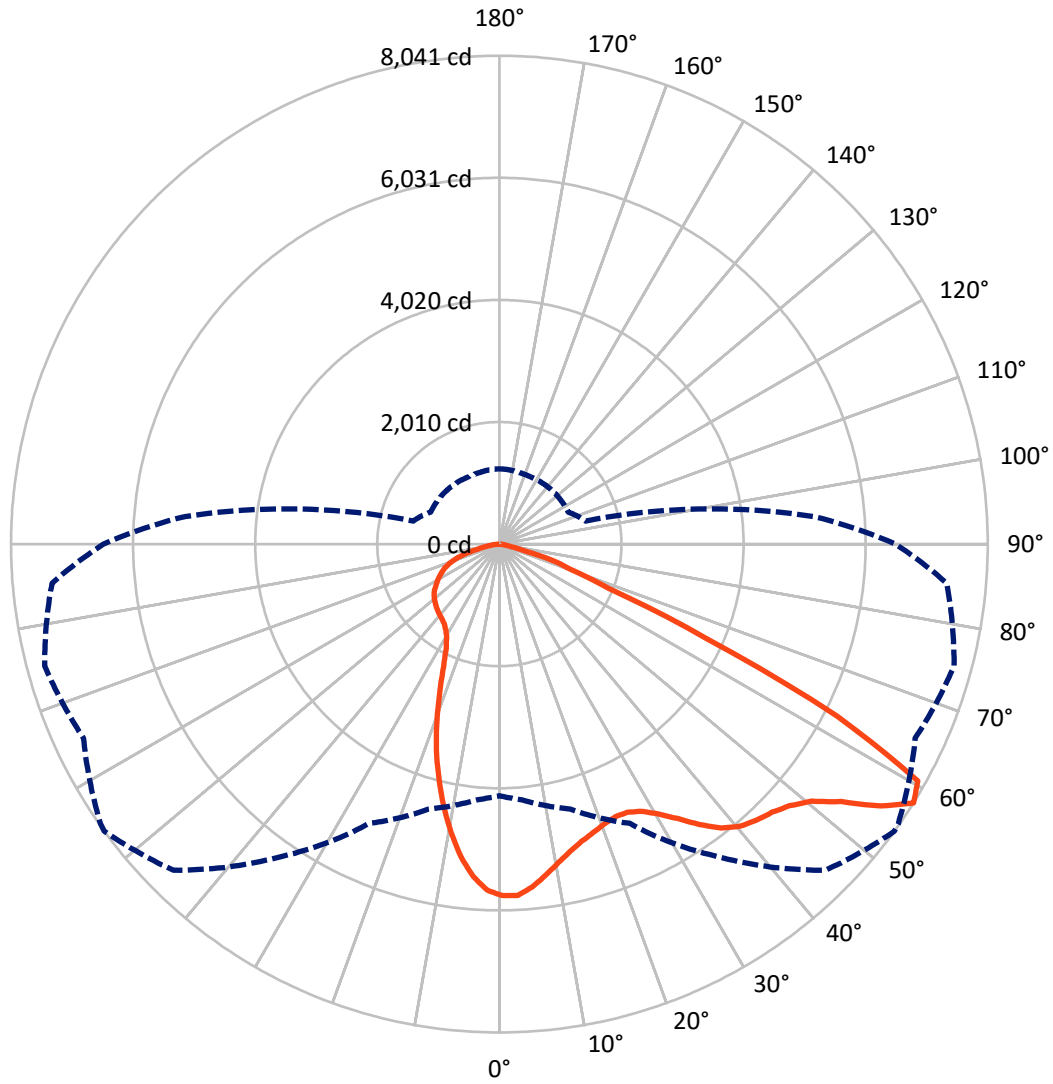
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4382.6 | 0.0 | 4382.6 |
| | % Fixture | 29.1 | 0.0 | 29.1 |
| Street Side | Lumens | 10692.7 | 0.0 | 10692.7 |
| | % Fixture | 70.9 | 0.0 | 70.9 |
| Total | Lumens | 15075.3 | 0.0 | 15075.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 508.7 | 3.4 |
| 10°-20° | 1213.9 | 8.1 |
| 20°-30° | 1679.9 | 11.1 |
| 30°-40° | 2334.2 | 15.5 |
| 40°-50° | 3082.8 | 20.4 |
| 50°-60° | 3663.4 | 24.3 |
| 60°-70° | 2029.6 | 13.5 |
| 70°-80° | 505.4 | 3.4 |
| 80°-90° | 57.5 | 0.4 |
| 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° | 15075.3 | 100.0 |
| 0°-180° | 15075.3 | 100.0 |

Coefficient of Utilization



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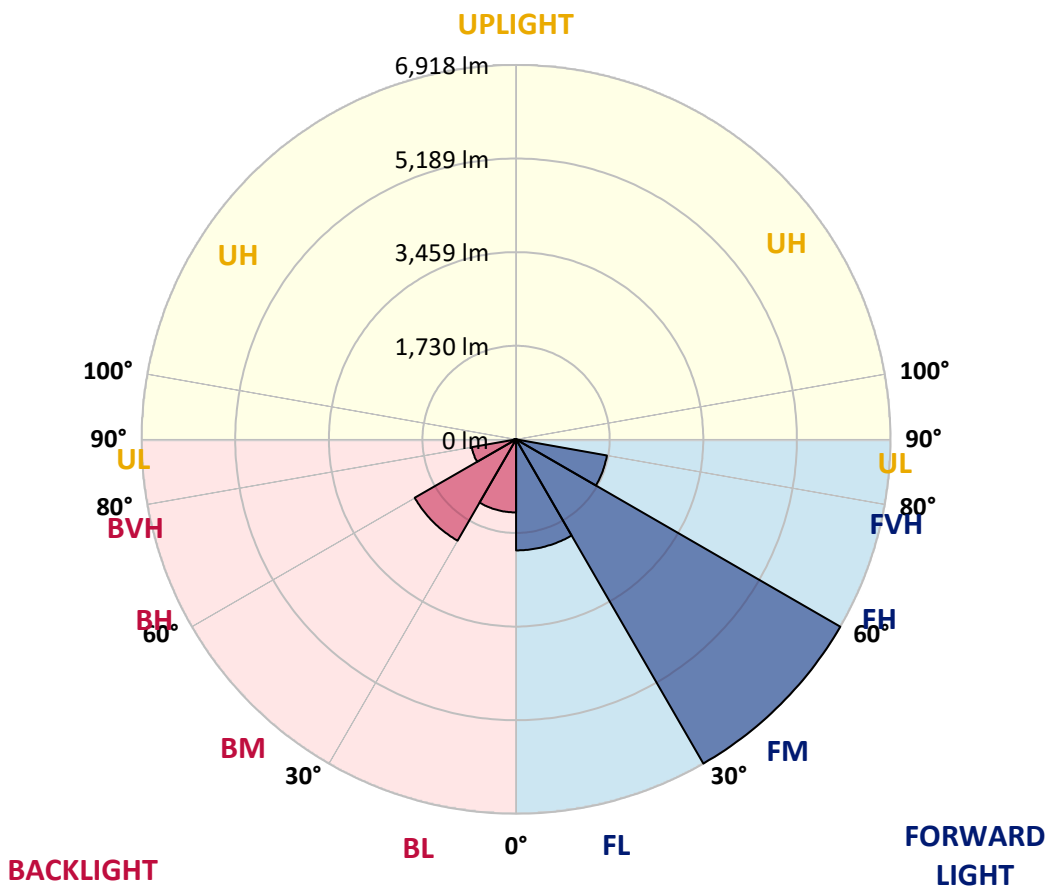
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2052.0 | 13.6 | | | |
| FM (30°-60°) | 6918.3 | 45.9 | | | |
| FH (60°-80°) | 1704.5 | 11.3 | | | G1/1800 |
| FVH (80°-90°) | 18.0 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1350.5 | 9.0 | B3/2500 | | |
| BM (30°-60°) | 2162.0 | 14.3 | B2/2500 | | |
| BH (60°-80°) | 830.5 | 5.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 39.5 | 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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 |
| 2.5° | 5679.4 | 5691.0 | 5698.7 | 5725.8 | 5749.0 | 5769.7 | 5791.6 | 5791.6 | 5790.3 | 5786.5 | 5778.7 |
| 5° | 5454.8 | 5467.7 | 5485.8 | 5523.2 | 5573.5 | 5609.7 | 5669.0 | 5674.2 | 5700.0 | 5710.3 | 5705.2 |
| 7.5° | 5194.1 | 5198.0 | 5221.2 | 5270.3 | 5350.3 | 5414.8 | 5500.0 | 5510.3 | 5572.2 | 5608.4 | 5601.9 |
| 10° | 4908.9 | 4896.0 | 4937.3 | 5009.6 | 5114.1 | 5222.5 | 5332.2 | 5341.2 | 5440.6 | 5509.0 | 5503.8 |
| 12.5° | 4648.3 | 4649.6 | 4690.9 | 4778.6 | 4908.9 | 5043.1 | 5190.3 | 5210.9 | 5333.5 | 5421.3 | 5412.2 |
| 15° | 4430.2 | 4435.3 | 4485.7 | 4585.0 | 4733.4 | 4893.5 | 5076.7 | 5096.1 | 5250.9 | 5367.1 | 5341.2 |
| 17.5° | 4256.0 | 4261.1 | 4305.0 | 4418.6 | 4577.3 | 4770.9 | 4994.1 | 5013.5 | 5205.7 | 5343.8 | 5290.9 |
| 20° | 4136.0 | 4133.4 | 4176.0 | 4284.4 | 4448.2 | 4658.6 | 4921.8 | 4950.2 | 5191.6 | 5352.9 | 5257.4 |
| 22.5° | 4086.9 | 4085.6 | 4116.6 | 4205.6 | 4359.2 | 4572.1 | 4878.0 | 4916.7 | 5207.0 | 5392.9 | 5236.7 |
| 25° | 4111.4 | 4106.3 | 4133.4 | 4199.2 | 4321.8 | 4538.6 | 4890.9 | 4932.2 | 5272.9 | 5475.5 | 5240.6 |
| 27.5° | 4187.6 | 4181.1 | 4204.3 | 4263.7 | 4356.6 | 4573.4 | 4981.2 | 5029.0 | 5412.2 | 5626.4 | 5292.2 |
| 30° | 4303.7 | 4299.8 | 4323.1 | 4379.8 | 4461.1 | 4689.6 | 5154.1 | 5208.3 | 5627.7 | 5861.3 | 5404.5 |
| 32.5° | 4439.2 | 4432.8 | 4474.1 | 4539.9 | 4634.1 | 4901.2 | 5386.4 | 5457.4 | 5883.2 | 6163.3 | 5592.9 |
| 35° | 4591.5 | 4586.3 | 4643.1 | 4738.6 | 4874.1 | 5195.4 | 5667.7 | 5745.2 | 6143.9 | 6505.3 | 5843.2 |
| 37.5° | 4739.9 | 4739.9 | 4849.6 | 4991.5 | 5161.9 | 5515.5 | 5932.3 | 5981.3 | 6324.6 | 6808.5 | 6111.7 |
| 40° | 4871.5 | 4879.3 | 5044.4 | 5257.4 | 5474.2 | 5804.5 | 6106.5 | 6147.8 | 6404.6 | 7017.6 | 6345.2 |
| 42.5° | 5017.3 | 5023.8 | 5216.1 | 5494.8 | 5752.9 | 6038.1 | 6212.3 | 6233.0 | 6420.1 | 7122.1 | 6510.4 |
| 45° | 5133.5 | 5142.5 | 5381.3 | 5679.4 | 5995.5 | 6213.6 | 6296.2 | 6314.3 | 6442.0 | 7178.9 | 6630.4 |
| 47.5° | 5194.1 | 5207.0 | 5480.6 | 5827.8 | 6159.4 | 6371.0 | 6434.3 | 6442.0 | 6532.4 | 7278.2 | 6775.0 |
| 50° | 5183.8 | 5209.6 | 5518.0 | 5901.3 | 6280.7 | 6529.8 | 6656.2 | 6669.1 | 6716.9 | 7424.1 | 6944.0 |
| 52.5° | 5275.4 | 5287.0 | 5598.1 | 5989.1 | 6453.6 | 6822.7 | 7042.1 | 7060.2 | 7038.2 | 7533.8 | 7044.7 |
| 55° | 5123.2 | 5178.6 | 5498.7 | 5976.2 | 6716.9 | 7275.7 | 7613.8 | 7604.7 | 7329.9 | 7656.3 | 7212.4 |
| 57.5° | 4143.7 | 4225.0 | 4517.9 | 5072.8 | 6283.3 | 7593.1 | 8040.9 | 8019.0 | 7555.7 | 7750.6 | 7394.4 |
| 60° | 2868.7 | 2881.6 | 3146.2 | 3539.8 | 4849.6 | 6707.9 | 7915.7 | 7963.5 | 7597.0 | 7631.8 | 7057.6 |
| 62.5° | 2294.5 | 2290.6 | 2315.1 | 2325.4 | 3084.2 | 4715.4 | 6248.4 | 6422.7 | 6311.7 | 5946.5 | 5001.9 |
| 65° | 1958.9 | 1973.1 | 2045.4 | 2008.0 | 2013.1 | 2655.8 | 3733.3 | 3757.8 | 3680.4 | 3548.8 | 2645.5 |
| 67.5° | 1533.1 | 1557.6 | 1685.4 | 1831.2 | 1784.7 | 1709.9 | 1937.0 | 1925.4 | 1517.6 | 1174.3 | 970.4 |
| 70° | 960.1 | 975.6 | 1112.4 | 1437.6 | 1553.7 | 1404.0 | 1245.3 | 1240.1 | 813.0 | 668.5 | 733.0 |
| 72.5° | 560.1 | 562.6 | 601.4 | 801.4 | 1031.1 | 960.1 | 916.2 | 882.7 | 522.6 | 533.0 | 584.6 |
| 75° | 308.4 | 308.4 | 307.1 | 345.8 | 406.5 | 360.0 | 348.4 | 339.4 | 349.7 | 396.2 | 434.9 |
| 77.5° | 64.5 | 65.8 | 69.7 | 91.6 | 118.7 | 144.5 | 182.0 | 183.2 | 228.4 | 264.5 | 295.5 |
| 80° | 29.7 | 31.0 | 38.7 | 49.0 | 63.2 | 83.9 | 111.0 | 112.3 | 138.1 | 166.5 | 187.1 |
| 82.5° | 15.5 | 16.8 | 20.6 | 25.8 | 33.6 | 43.9 | 61.9 | 61.9 | 82.6 | 98.1 | 111.0 |
| 85° | 5.2 | 5.2 | 7.7 | 10.3 | 14.2 | 18.1 | 24.5 | 24.5 | 36.1 | 47.7 | 55.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 2.6 | 5.2 | 5.2 | 6.5 | 7.7 | 12.9 |
| 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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CATALOG NUMBER: GWS-SA3D-750-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 | 5787.8 |
| 2.5° | 5761.9 | 5721.9 | 5723.2 | 5731.0 | 5706.5 | 5669.0 | 5644.5 | 5613.5 | 5594.2 | 5590.3 | 5604.5 |
| 5° | 5679.4 | 5632.9 | 5600.6 | 5567.1 | 5497.4 | 5414.8 | 5350.3 | 5297.4 | 5262.5 | 5249.6 | 5234.1 |
| 7.5° | 5565.8 | 5505.1 | 5423.8 | 5329.6 | 5203.2 | 5056.1 | 4952.8 | 4856.0 | 4788.9 | 4769.6 | 4760.5 |
| 10° | 5452.2 | 5364.5 | 5219.9 | 5044.4 | 4834.1 | 4635.4 | 4448.2 | 4305.0 | 4191.4 | 4126.9 | 4147.6 |
| 12.5° | 5334.8 | 5226.4 | 5000.6 | 4730.9 | 4437.9 | 4138.5 | 3893.3 | 3655.9 | 3472.7 | 3381.0 | 3353.9 |
| 15° | 5231.6 | 5084.4 | 4769.6 | 4404.4 | 4014.6 | 3637.8 | 3283.0 | 2926.8 | 2694.5 | 2568.0 | 2533.2 |
| 17.5° | 5143.8 | 4952.8 | 4525.7 | 4071.4 | 3605.6 | 3068.7 | 2632.6 | 2302.2 | 2143.5 | 2073.8 | 2068.6 |
| 20° | 5057.3 | 4823.8 | 4284.4 | 3712.7 | 3133.3 | 2531.9 | 2142.2 | 1987.3 | 1930.5 | 1906.0 | 1904.7 |
| 22.5° | 4979.9 | 4688.3 | 4030.1 | 3353.9 | 2663.5 | 2128.0 | 1913.8 | 1846.7 | 1831.2 | 1831.2 | 1828.6 |
| 25° | 4914.1 | 4552.8 | 3769.5 | 2973.2 | 2239.0 | 1894.4 | 1795.0 | 1766.7 | 1773.1 | 1784.7 | 1786.0 |
| 27.5° | 4887.0 | 4447.0 | 3517.8 | 2582.2 | 1946.0 | 1758.9 | 1713.7 | 1709.9 | 1727.9 | 1746.0 | 1748.6 |
| 30° | 4915.4 | 4374.7 | 3259.7 | 2208.0 | 1770.5 | 1676.3 | 1655.7 | 1663.4 | 1685.4 | 1703.4 | 1703.4 |
| 32.5° | 5003.1 | 4338.6 | 2996.5 | 1934.4 | 1668.6 | 1618.2 | 1611.8 | 1619.5 | 1636.3 | 1646.6 | 1647.9 |
| 35° | 5151.5 | 4352.7 | 2724.2 | 1749.9 | 1602.8 | 1575.7 | 1574.4 | 1579.5 | 1586.0 | 1592.4 | 1593.7 |
| 37.5° | 5338.7 | 4416.0 | 2432.5 | 1642.8 | 1560.2 | 1544.7 | 1542.1 | 1540.8 | 1542.1 | 1542.1 | 1543.4 |
| 40° | 5521.9 | 4511.5 | 2171.9 | 1579.5 | 1530.5 | 1517.6 | 1511.1 | 1502.1 | 1500.8 | 1498.2 | 1496.9 |
| 42.5° | 5657.4 | 4585.0 | 1964.1 | 1534.4 | 1503.4 | 1487.9 | 1480.2 | 1466.0 | 1464.7 | 1463.4 | 1462.1 |
| 45° | 5759.4 | 4647.0 | 1791.2 | 1490.5 | 1475.0 | 1460.8 | 1444.0 | 1431.1 | 1433.7 | 1436.3 | 1436.3 |
| 47.5° | 5874.2 | 4701.2 | 1664.7 | 1449.2 | 1440.2 | 1426.0 | 1405.3 | 1396.3 | 1405.3 | 1414.4 | 1414.4 |
| 50° | 6013.6 | 4777.3 | 1561.5 | 1407.9 | 1404.0 | 1387.3 | 1369.2 | 1365.3 | 1375.6 | 1388.5 | 1388.5 |
| 52.5° | 6115.5 | 4843.1 | 1487.9 | 1366.6 | 1366.6 | 1344.7 | 1329.2 | 1327.9 | 1339.5 | 1352.4 | 1353.7 |
| 55° | 6306.5 | 4996.7 | 1462.1 | 1318.9 | 1313.7 | 1296.9 | 1285.3 | 1276.3 | 1290.5 | 1302.1 | 1302.1 |
| 57.5° | 6522.0 | 5200.6 | 1468.6 | 1250.5 | 1244.0 | 1238.8 | 1229.8 | 1219.5 | 1223.4 | 1236.3 | 1237.6 |
| 60° | 6065.2 | 4805.7 | 1397.6 | 1182.1 | 1178.2 | 1175.6 | 1164.0 | 1145.9 | 1151.1 | 1161.4 | 1162.7 |
| 62.5° | 4236.6 | 3193.9 | 1130.5 | 1096.9 | 1109.8 | 1108.5 | 1093.0 | 1072.4 | 1073.7 | 1087.9 | 1087.9 |
| 65° | 2199.0 | 1727.9 | 992.4 | 1019.5 | 1038.8 | 1031.1 | 1005.3 | 987.2 | 984.6 | 1002.7 | 998.8 |
| 67.5° | 948.5 | 943.3 | 903.3 | 938.2 | 958.8 | 942.0 | 914.9 | 885.3 | 887.8 | 894.3 | 889.1 |
| 70° | 764.0 | 787.2 | 804.0 | 841.4 | 858.2 | 827.2 | 797.5 | 780.7 | 766.5 | 765.2 | 756.2 |
| 72.5° | 610.4 | 642.7 | 680.1 | 718.8 | 724.0 | 693.0 | 655.6 | 640.1 | 618.1 | 616.8 | 607.8 |
| 75° | 459.4 | 486.5 | 516.2 | 547.2 | 547.2 | 517.5 | 493.0 | 485.2 | 459.4 | 451.7 | 443.9 |
| 77.5° | 313.6 | 330.4 | 353.6 | 361.3 | 369.1 | 357.5 | 332.9 | 320.0 | 290.4 | 282.6 | 272.3 |
| 80° | 197.4 | 209.1 | 223.3 | 228.4 | 236.2 | 222.0 | 202.6 | 188.4 | 167.8 | 161.3 | 156.1 |
| 82.5° | 118.7 | 126.5 | 135.5 | 138.1 | 144.5 | 134.2 | 116.1 | 105.8 | 94.2 | 89.0 | 85.2 |
| 85° | 60.7 | 64.5 | 69.7 | 71.0 | 69.7 | 59.4 | 52.9 | 47.7 | 40.0 | 38.7 | 36.1 |
| 87.5° | 15.5 | 18.1 | 19.4 | 18.1 | 16.8 | 12.9 | 9.0 | 6.5 | 2.6 | 2.6 | 1.3 |
| 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)