

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P821424

Luminaire Tested: **TT-D5-750-12VDC-RW-PM**

Issue Date: 10/15/2020



Test Information

Test Method: LM-79-08
Report Number: P821424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-981-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D5-750-12VDC-RW-PM
Description: TOPTIER LED SITE LUMINAIRE
5000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

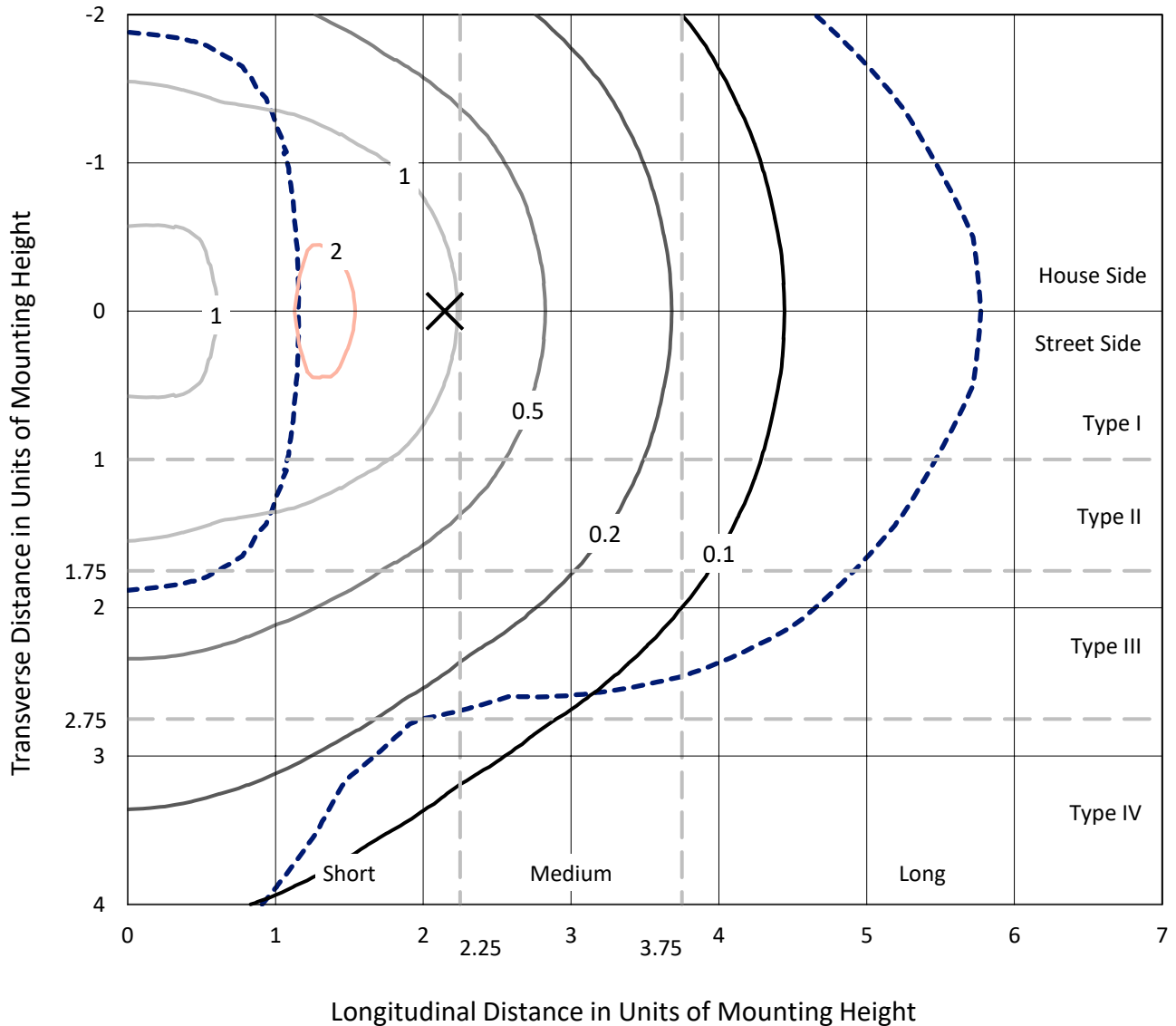
Lumens per Lamp: N/A
Luminaire Lumens: 7615 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 73
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

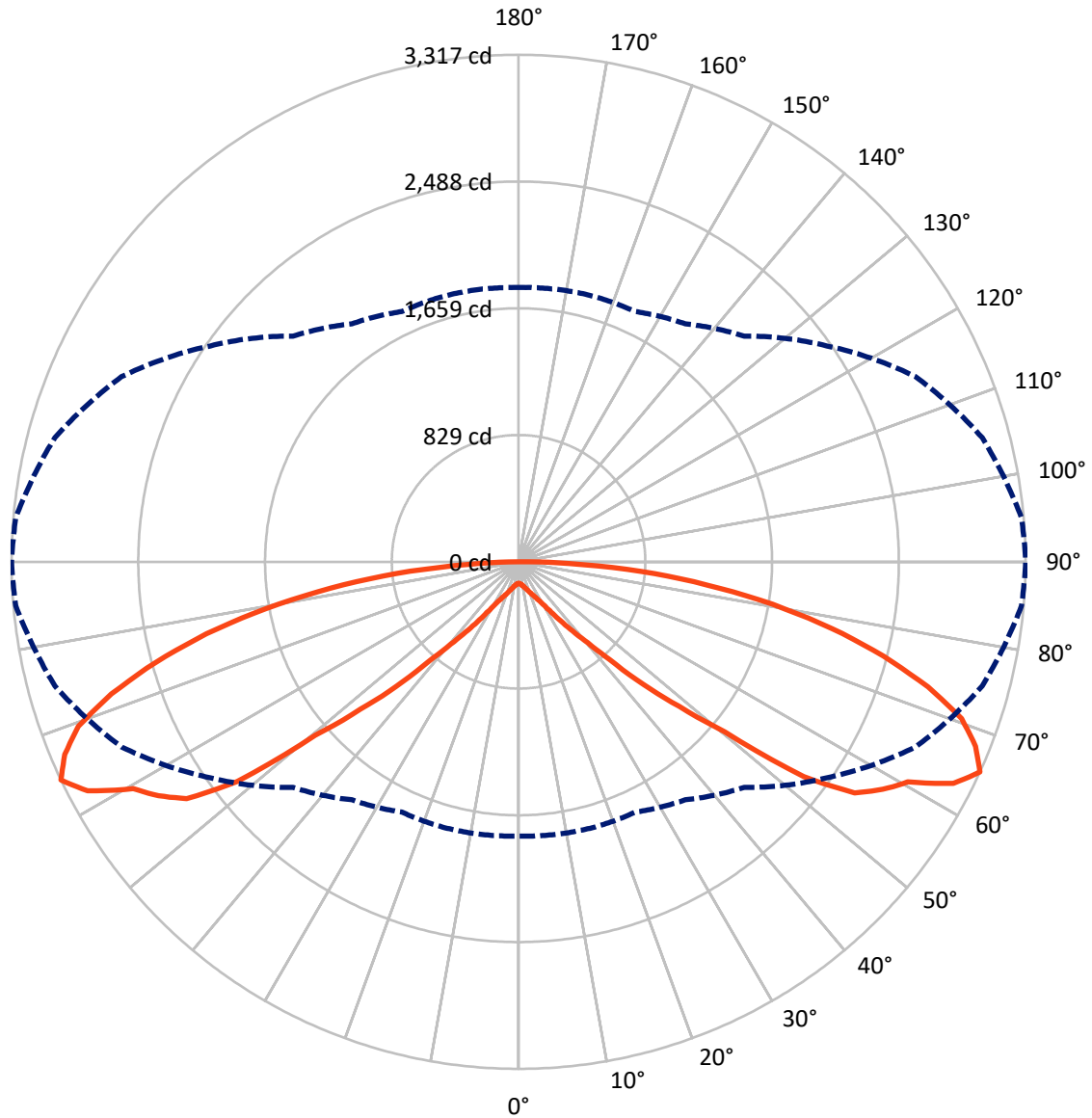
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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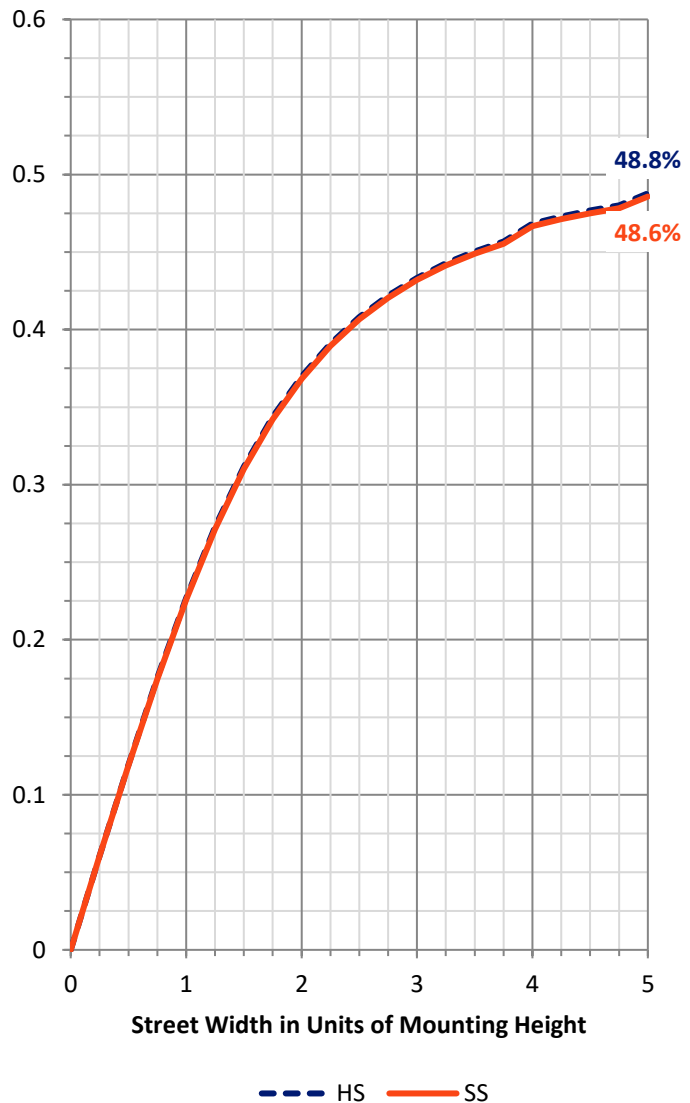
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3807.5 | 0.0 | 3807.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3807.5 | 0.0 | 3807.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7615.0 | 0.0 | 7615.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.5 | 0.2 |
| 10°-20° | 54.3 | 0.7 |
| 20°-30° | 125.5 | 1.6 |
| 30°-40° | 283.7 | 3.7 |
| 40°-50° | 691.1 | 9.1 |
| 50°-60° | 1554.2 | 20.4 |
| 60°-70° | 2271.4 | 29.8 |
| 70°-80° | 1979.2 | 26.0 |
| 80°-90° | 641.1 | 8.4 |
| 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° | 7615.0 | 100.0 |
| 0°-180° | 7615.0 | 100.0 |

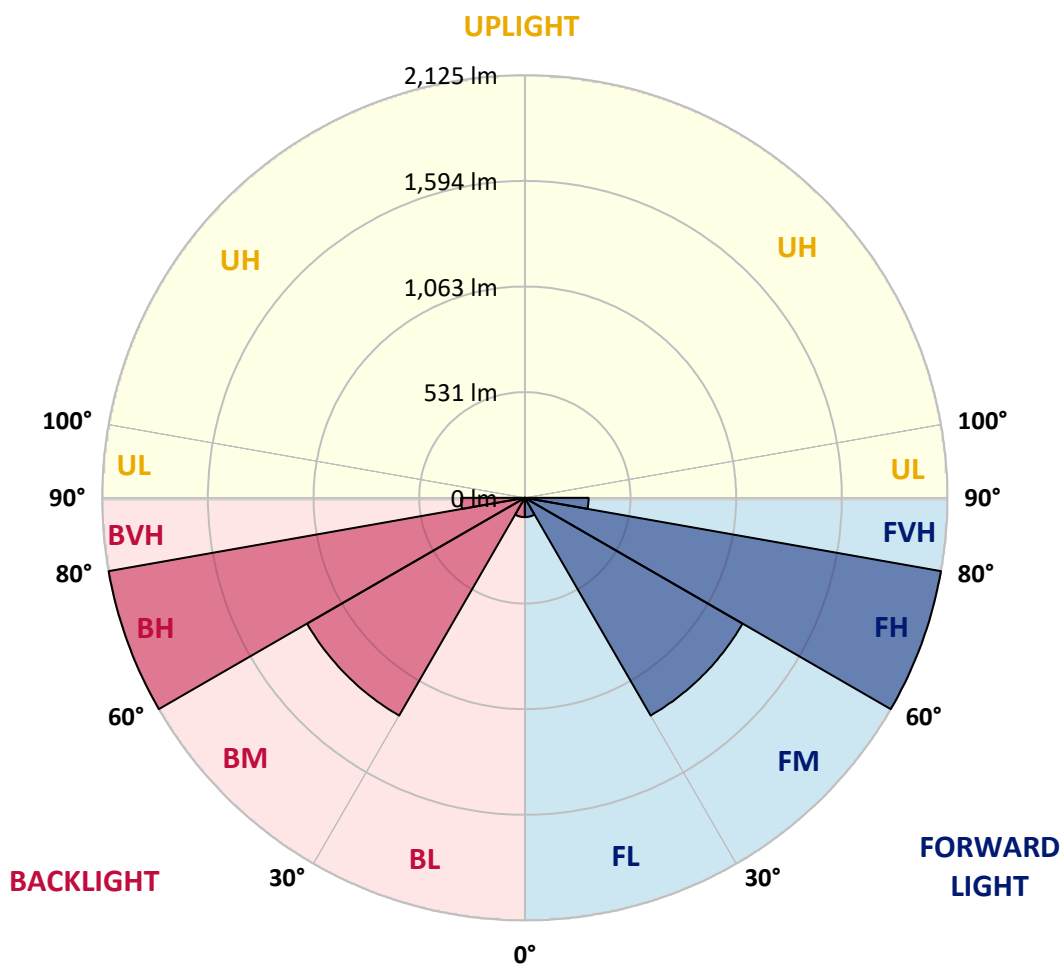


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 97.2 | 1.3 | | | |
| FM (30°-60°) | 1264.5 | 16.6 | | | |
| FH (60°-80°) | 2125.3 | 27.9 | | | G2/5000 |
| FVH (80°-90°) | 320.6 | 4.2 | | | G3/500 |
| BL (0°-30°) | 97.2 | 1.3 | B0/110 | | |
| BM (30°-60°) | 1264.5 | 16.6 | B2/2500 | | |
| BH (60°-80°) | 2125.3 | 27.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 320.6 | 4.2 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 |
| 2.5° | 140.9 | 140.9 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 |
| 5° | 146.4 | 146.4 | 146.4 | 146.4 | 148.2 | 148.2 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 |
| 7.5° | 155.4 | 153.6 | 155.4 | 155.4 | 155.4 | 153.6 | 153.6 | 153.6 | 151.8 | 151.8 | 151.8 |
| 10° | 164.4 | 164.4 | 166.2 | 164.4 | 164.4 | 162.6 | 162.6 | 162.6 | 160.8 | 160.8 | 160.8 |
| 12.5° | 177.1 | 177.1 | 177.1 | 177.1 | 175.3 | 175.3 | 173.5 | 171.7 | 169.8 | 169.8 | 169.8 |
| 15° | 193.3 | 191.5 | 191.5 | 189.7 | 187.9 | 186.1 | 184.3 | 184.3 | 182.5 | 182.5 | 182.5 |
| 17.5° | 209.6 | 209.6 | 207.8 | 206.0 | 202.4 | 200.6 | 200.6 | 198.8 | 196.9 | 196.9 | 196.9 |
| 20° | 229.5 | 229.5 | 227.7 | 224.0 | 220.4 | 218.6 | 216.8 | 216.8 | 215.0 | 215.0 | 215.0 |
| 22.5° | 253.0 | 251.2 | 247.5 | 243.9 | 240.3 | 238.5 | 236.7 | 234.9 | 234.9 | 234.9 | 234.9 |
| 25° | 278.3 | 276.4 | 274.6 | 269.2 | 263.8 | 262.0 | 258.4 | 258.4 | 256.6 | 258.4 | 258.4 |
| 27.5° | 309.0 | 307.2 | 303.6 | 298.1 | 290.9 | 287.3 | 285.5 | 285.5 | 287.3 | 287.3 | 289.1 |
| 30° | 346.9 | 343.3 | 339.7 | 332.5 | 325.2 | 319.8 | 319.8 | 321.6 | 327.0 | 330.7 | 330.7 |
| 32.5° | 392.1 | 390.3 | 384.9 | 377.6 | 365.0 | 361.4 | 365.0 | 375.8 | 383.1 | 388.5 | 392.1 |
| 35° | 444.5 | 442.7 | 435.4 | 422.8 | 413.8 | 412.0 | 422.8 | 440.9 | 464.4 | 471.6 | 475.2 |
| 37.5° | 502.3 | 504.1 | 495.1 | 480.6 | 471.6 | 475.2 | 496.9 | 531.2 | 554.7 | 571.0 | 574.6 |
| 40° | 574.6 | 578.2 | 567.3 | 551.1 | 542.1 | 556.5 | 590.8 | 630.6 | 672.1 | 692.0 | 697.4 |
| 42.5° | 659.5 | 664.9 | 650.5 | 634.2 | 628.8 | 652.3 | 701.1 | 766.1 | 840.2 | 863.7 | 872.7 |
| 45° | 764.3 | 767.9 | 749.8 | 735.4 | 731.8 | 773.3 | 856.4 | 964.9 | 1082.3 | 1136.5 | 1145.5 |
| 47.5° | 889.0 | 887.2 | 870.9 | 852.8 | 856.4 | 916.1 | 1040.7 | 1187.1 | 1311.8 | 1394.9 | 1413.0 |
| 50° | 1031.7 | 1022.7 | 1010.0 | 988.3 | 1011.8 | 1098.6 | 1255.8 | 1432.8 | 1642.4 | 1716.5 | 1749.0 |
| 52.5° | 1174.4 | 1158.2 | 1147.3 | 1132.9 | 1174.4 | 1286.5 | 1506.9 | 1815.9 | 2132.1 | 2301.9 | 2336.3 |
| 55° | 1302.7 | 1290.1 | 1284.7 | 1286.5 | 1351.5 | 1512.3 | 1801.4 | 2197.1 | 2502.5 | 2643.4 | 2668.7 |
| 57.5° | 1429.2 | 1422.0 | 1416.6 | 1427.4 | 1530.4 | 1740.0 | 2065.2 | 2435.6 | 2686.8 | 2791.6 | 2809.6 |
| 60° | 1548.5 | 1555.7 | 1552.1 | 1584.6 | 1709.3 | 1920.7 | 2202.5 | 2567.5 | 2809.6 | 2905.4 | 2925.3 |
| 62.5° | 1680.4 | 1685.8 | 1685.8 | 1721.9 | 1823.1 | 2009.2 | 2296.5 | 2722.9 | 3030.1 | 3171.0 | 3192.7 |
| 65° | 1794.2 | 1797.8 | 1805.0 | 1806.8 | 1900.8 | 2086.9 | 2462.7 | 2865.7 | 3140.3 | 3302.9 | 3317.4 |
| 67.5° | 1879.1 | 1882.7 | 1873.7 | 1864.7 | 1936.9 | 2105.0 | 2450.1 | 2847.6 | 3091.5 | 3214.4 | 3225.2 |
| 70° | 1947.8 | 1931.5 | 1906.2 | 1861.1 | 1884.5 | 2011.0 | 2345.3 | 2703.0 | 2948.8 | 3059.0 | 3075.3 |
| 72.5° | 1956.8 | 1942.4 | 1862.9 | 1761.7 | 1732.8 | 1843.0 | 2161.0 | 2482.6 | 2694.0 | 2798.8 | 2800.6 |
| 75° | 1902.6 | 1864.7 | 1732.8 | 1581.0 | 1526.8 | 1631.6 | 1904.4 | 2197.1 | 2367.0 | 2455.5 | 2464.5 |
| 77.5° | 1720.1 | 1684.0 | 1517.8 | 1344.3 | 1282.9 | 1373.2 | 1604.5 | 1841.2 | 2003.8 | 2090.5 | 2095.9 |
| 80° | 1396.7 | 1384.0 | 1232.3 | 1073.3 | 999.2 | 1051.6 | 1254.0 | 1440.1 | 1572.0 | 1674.9 | 1684.0 |
| 82.5° | 1029.9 | 1019.1 | 903.4 | 764.3 | 704.7 | 748.0 | 892.6 | 1029.9 | 1152.8 | 1235.9 | 1241.3 |
| 85° | 643.2 | 621.6 | 549.3 | 451.7 | 412.0 | 440.9 | 536.6 | 628.8 | 739.0 | 804.0 | 807.7 |
| 87.5° | 215.0 | 206.0 | 177.1 | 146.4 | 122.9 | 128.3 | 157.2 | 191.5 | 280.1 | 309.0 | 327.0 |
| 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)