

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: P887805

Luminaire Tested: **TT-D4-750-U-RW-TC**

Issue Date: 10/9/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P887805  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/9/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-D4-750-U-RW-TC  
Description: RW  
5000K, 70 CRI LEDS, RECTANGULAR DISTRIBUTION AND TOTALCOMFORT ACCESSORY  
Light Source:  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5407 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 57.6  
Input Voltage (V): 120.0  
Input Current (Ain): 0.48  
Voltage Rise (V): NR  
Power Factor: 0.994  
Total Harmonic Distortion (THDi): 10.3%  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



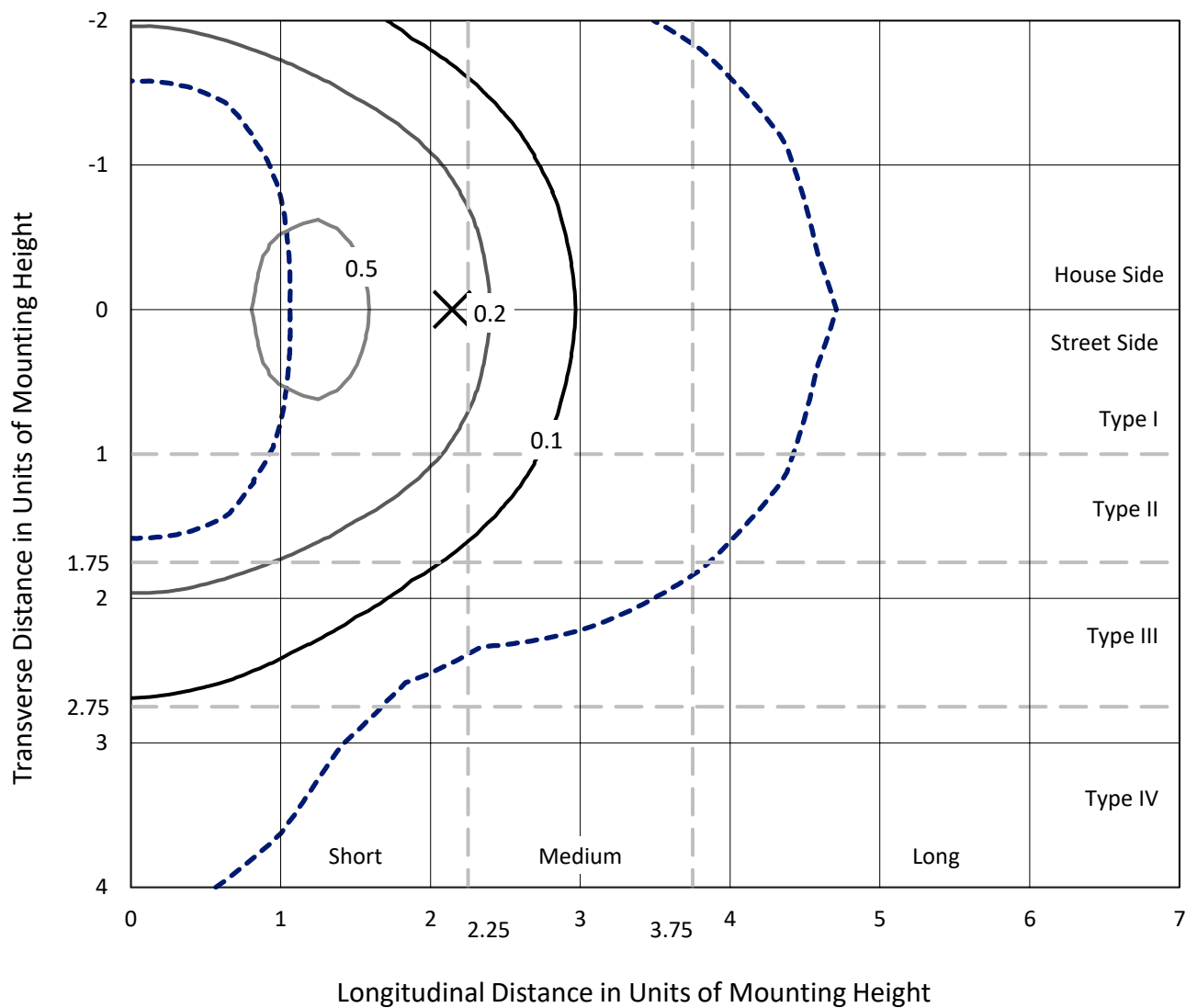
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

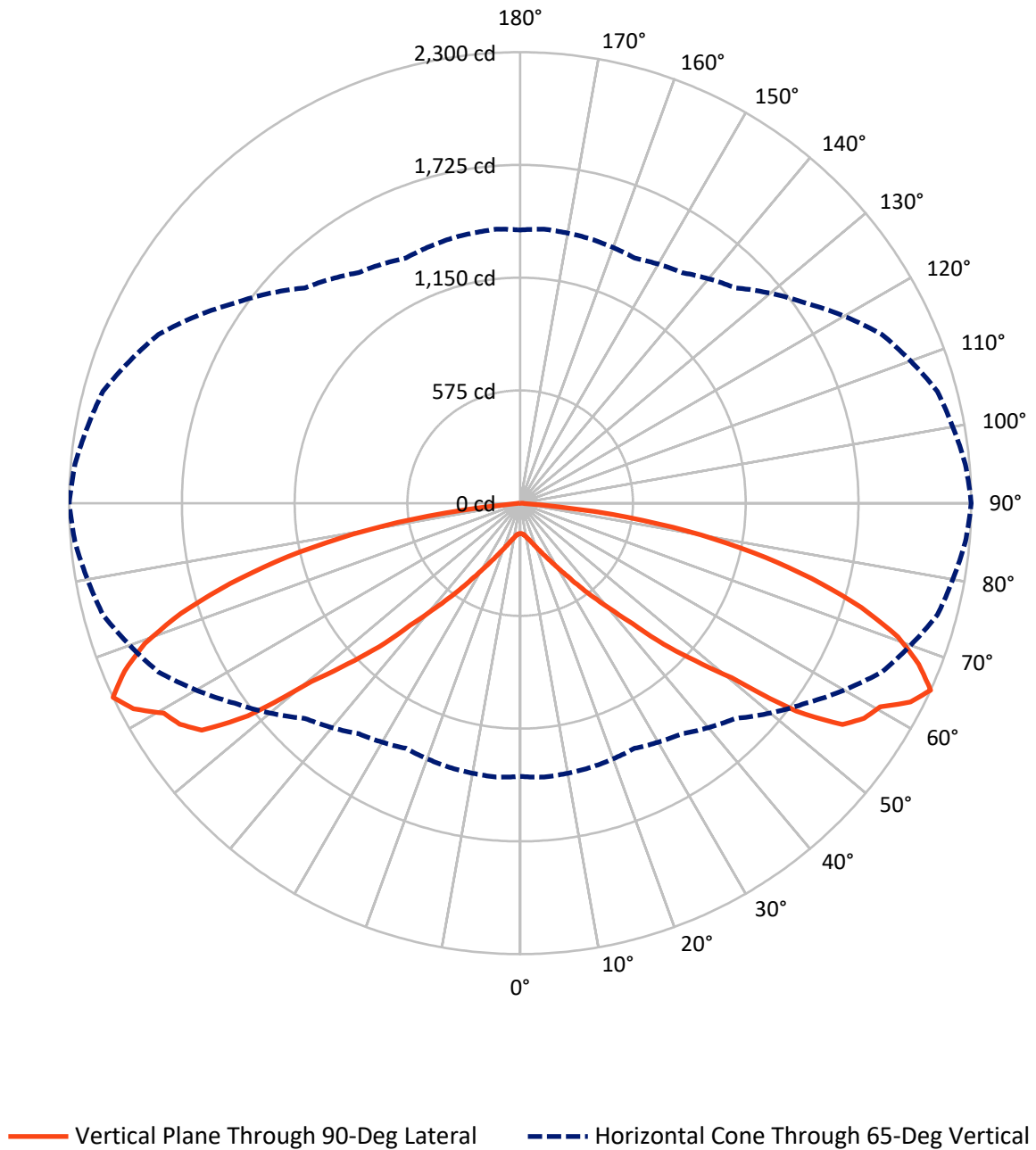


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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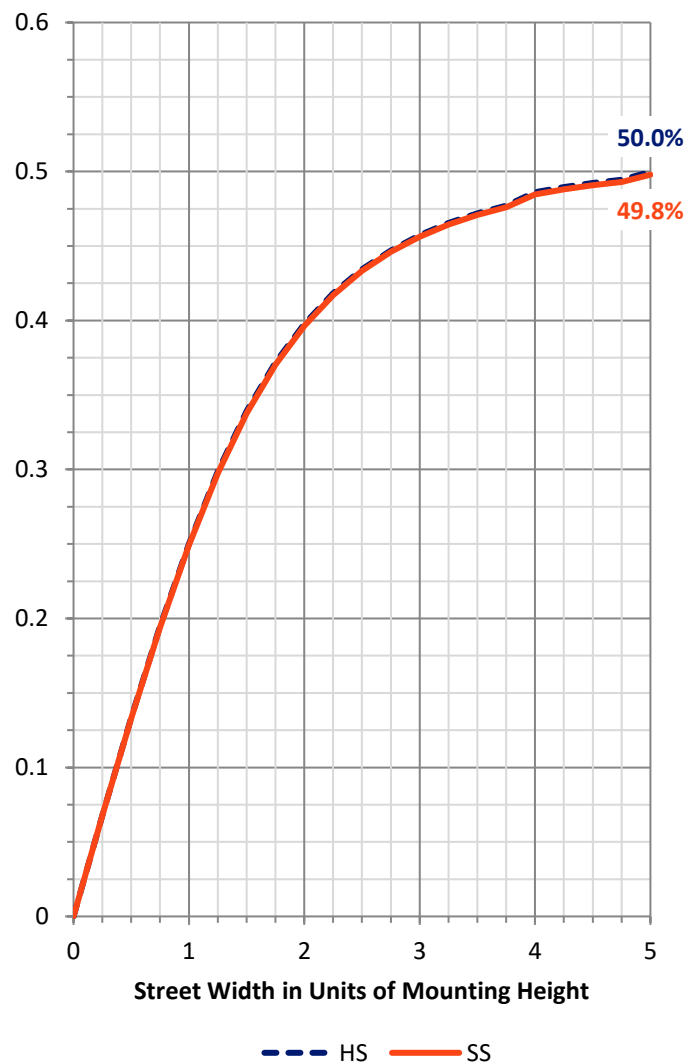
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2703.5   | 0.0    | 2703.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2703.5   | 0.0    | 2703.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5407.0   | 0.0    | 5407.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 15.7   | 0.3       |
| 10°-20°   | 57.4   | 1.1       |
| 20°-30°   | 132.4  | 2.4       |
| 30°-40°   | 288.4  | 5.3       |
| 40°-50°   | 623.7  | 11.5      |
| 50°-60°   | 1222.6 | 22.6      |
| 60°-70°   | 1652.9 | 30.6      |
| 70°-80°   | 1239.2 | 22.9      |
| 80°-90°   | 174.7  | 3.2       |
| 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°    | 5407.0 | 100.0     |
| 0°-180°   | 5407.0 | 100.0     |

**Coefficient of Utilization**



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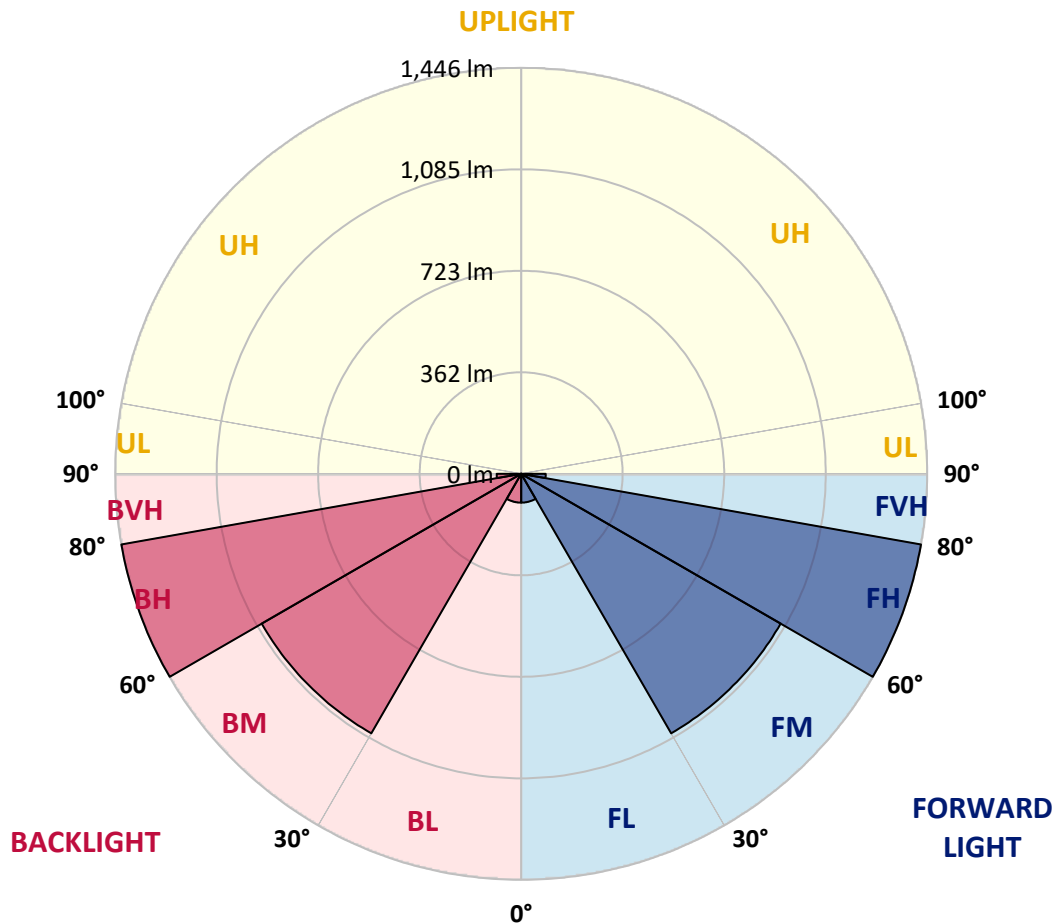
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 102.7  | 1.9       |                         |      |         |
| FM   | (30°-60°)   | 1067.3 | 19.7      |                         |      |         |
| FH   | (60°-80°)   | 1446.1 | 26.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 87.4   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 102.7  | 1.9       | B0/110                  |      |         |
| BM   | (30°-60°)   | 1067.3 | 19.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1446.1 | 26.7      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 87.4   | 1.6       |                         |      | G1/100  |
| 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°    | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  | 154.7  |
| 2.5°  | 156.5  | 156.5  | 156.5  | 156.5  | 155.9  | 156.5  | 155.9  | 155.9  | 155.9  | 155.9  | 155.9  |
| 5°    | 158.9  | 159.5  | 160.1  | 160.1  | 160.1  | 160.1  | 160.1  | 160.1  | 160.1  | 159.5  | 159.5  |
| 7.5°  | 164.3  | 165.4  | 165.4  | 166.0  | 166.0  | 166.0  | 166.0  | 166.0  | 166.0  | 165.4  | 165.4  |
| 10°   | 172.6  | 173.2  | 173.8  | 173.8  | 173.8  | 174.4  | 175.6  | 175.6  | 175.6  | 175.0  | 176.2  |
| 12.5° | 182.1  | 182.7  | 182.7  | 183.3  | 184.5  | 184.5  | 185.1  | 186.3  | 186.9  | 186.9  | 188.1  |
| 15°   | 193.4  | 194.6  | 194.6  | 194.6  | 197.0  | 197.6  | 198.8  | 200.0  | 201.2  | 201.2  | 202.3  |
| 17.5° | 206.5  | 208.3  | 207.7  | 208.3  | 211.3  | 212.5  | 214.8  | 216.0  | 219.0  | 220.2  | 221.4  |
| 20°   | 222.6  | 224.4  | 223.8  | 225.0  | 227.3  | 230.3  | 232.7  | 237.5  | 240.4  | 240.4  | 242.8  |
| 22.5° | 242.2  | 244.0  | 242.8  | 243.4  | 247.0  | 249.4  | 254.7  | 259.5  | 264.2  | 266.6  | 269.0  |
| 25°   | 264.8  | 267.2  | 265.4  | 266.6  | 270.2  | 273.2  | 279.7  | 288.0  | 293.4  | 297.6  | 301.1  |
| 27.5° | 295.2  | 297.6  | 295.8  | 295.8  | 300.5  | 302.9  | 312.4  | 322.0  | 330.9  | 335.1  | 338.0  |
| 30°   | 328.5  | 332.1  | 329.1  | 329.1  | 334.5  | 336.8  | 348.1  | 362.4  | 374.9  | 382.1  | 386.8  |
| 32.5° | 367.8  | 369.6  | 367.2  | 367.8  | 372.0  | 376.1  | 393.4  | 413.0  | 430.3  | 439.2  | 445.1  |
| 35°   | 413.6  | 417.2  | 411.2  | 410.0  | 416.6  | 424.9  | 446.9  | 476.7  | 502.3  | 514.8  | 521.3  |
| 37.5° | 467.2  | 469.0  | 463.0  | 461.8  | 471.9  | 483.8  | 514.8  | 554.1  | 582.6  | 599.3  | 608.2  |
| 40°   | 528.5  | 533.8  | 524.3  | 524.9  | 535.0  | 552.9  | 592.7  | 639.8  | 678.4  | 698.7  | 708.2  |
| 42.5° | 595.1  | 605.8  | 593.3  | 592.1  | 610.6  | 633.8  | 682.0  | 742.7  | 800.4  | 830.2  | 837.9  |
| 45°   | 668.9  | 685.0  | 673.1  | 671.9  | 696.9  | 727.2  | 795.1  | 887.9  | 962.9  | 1017.7 | 1027.2 |
| 47.5° | 754.6  | 770.1  | 755.8  | 759.4  | 788.5  | 837.3  | 928.4  | 1040.9 | 1131.9 | 1191.4 | 1199.8 |
| 50°   | 854.6  | 857.0  | 848.0  | 851.6  | 902.8  | 966.5  | 1078.4 | 1200.4 | 1333.7 | 1394.4 | 1398.5 |
| 52.5° | 952.2  | 945.1  | 938.5  | 950.4  | 1013.5 | 1093.2 | 1233.1 | 1434.2 | 1621.7 | 1741.3 | 1762.7 |
| 55°   | 1048.6 | 1037.3 | 1036.7 | 1054.6 | 1134.9 | 1245.6 | 1425.3 | 1678.2 | 1869.9 | 1969.8 | 1993.7 |
| 57.5° | 1140.8 | 1136.1 | 1136.7 | 1151.6 | 1252.7 | 1393.2 | 1602.7 | 1833.0 | 1988.9 | 2056.7 | 2068.6 |
| 60°   | 1230.1 | 1238.4 | 1232.5 | 1256.9 | 1366.4 | 1506.8 | 1669.3 | 1892.5 | 2044.2 | 2103.2 | 2109.1 |
| 62.5° | 1317.0 | 1325.3 | 1323.0 | 1342.6 | 1415.8 | 1533.6 | 1705.0 | 1965.1 | 2140.1 | 2224.0 | 2232.9 |
| 65°   | 1393.2 | 1402.1 | 1394.4 | 1379.5 | 1435.4 | 1552.1 | 1778.2 | 2035.3 | 2201.9 | 2278.1 | 2299.5 |
| 67.5° | 1449.1 | 1451.5 | 1422.3 | 1383.1 | 1414.6 | 1511.0 | 1728.8 | 1975.2 | 2120.4 | 2170.4 | 2191.2 |
| 70°   | 1480.1 | 1462.2 | 1409.2 | 1333.1 | 1314.6 | 1389.0 | 1605.0 | 1821.7 | 1971.0 | 2022.2 | 2042.5 |
| 72.5° | 1445.5 | 1420.0 | 1325.9 | 1205.1 | 1146.2 | 1203.3 | 1414.6 | 1618.7 | 1741.9 | 1793.7 | 1818.7 |
| 75°   | 1324.1 | 1285.5 | 1164.1 | 1014.7 | 932.6  | 987.9  | 1176.0 | 1358.7 | 1464.6 | 1504.5 | 1533.0 |
| 77.5° | 1084.9 | 1055.7 | 932.6  | 780.2  | 695.7  | 735.6  | 898.6  | 1042.1 | 1149.8 | 1178.3 | 1218.8 |
| 80°   | 758.8  | 726.6  | 646.3  | 518.3  | 440.4  | 459.4  | 583.2  | 697.5  | 790.9  | 829.0  | 866.5  |
| 82.5° | 375.5  | 351.1  | 322.0  | 251.1  | 192.8  | 194.0  | 264.2  | 318.4  | 401.7  | 435.6  | 473.7  |
| 85°   | 13.7   | 15.5   | 18.4   | 22.6   | 17.9   | 13.7   | 25.6   | 30.4   | 20.8   | 32.7   | 20.2   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)