

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: P887530

Luminaire Tested: **TT-D1-740-U-RW-TC**

Issue Date: 10/9/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P887530  
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-D1-740-U-RW-TC  
Description: RW  
4000K, 70 CRI LEDS, RECTANGULAR DISTRIBUTION AND TOTALCOMFORT ACCESSORY  
Light Source:  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

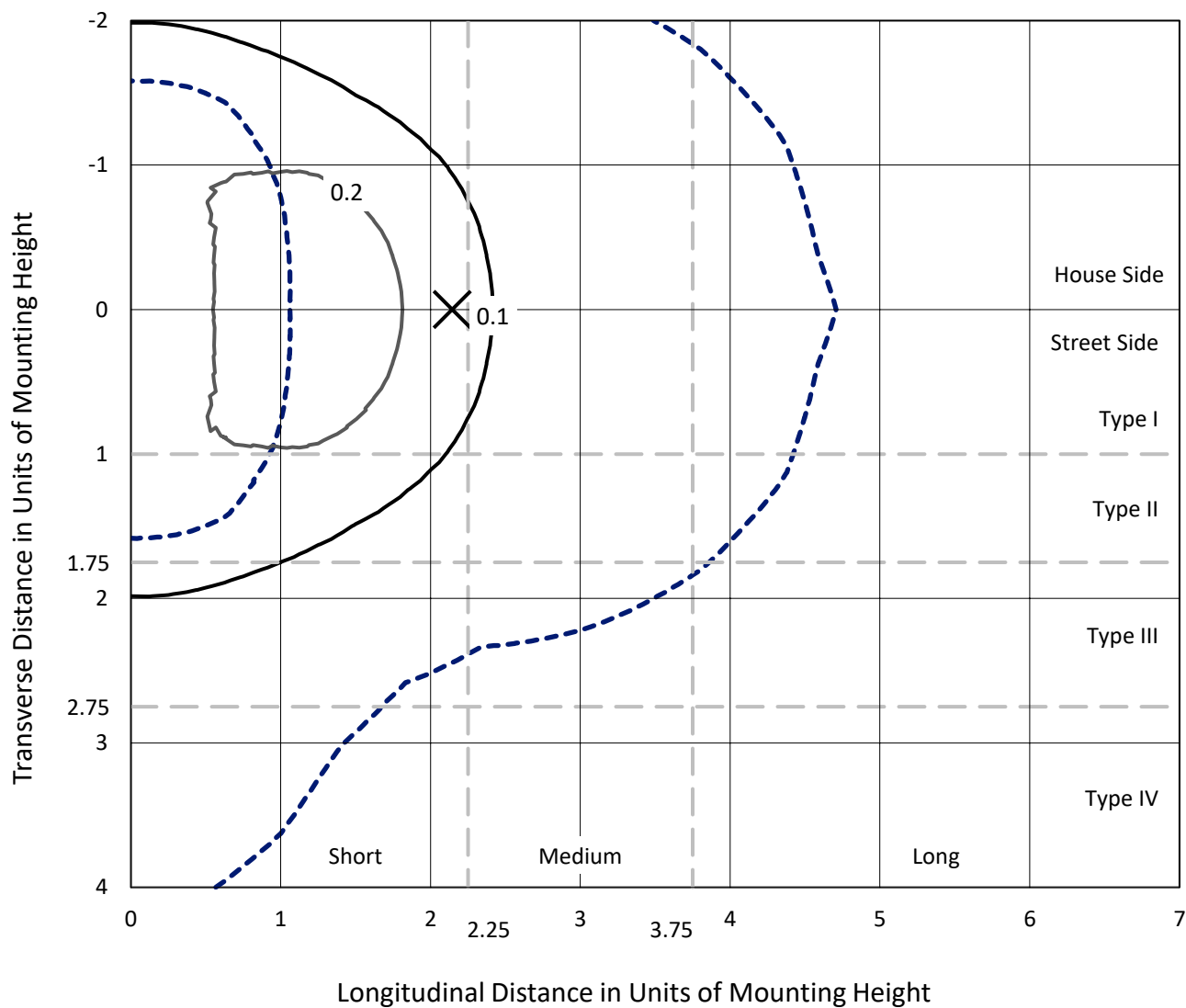
Lumens per Lamp: N/A  
Luminaire Lumens: 2767 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 28  
Input Voltage (V): 120.0  
Input Current (Ain): 0.23  
Voltage Rise (V): NR  
Power Factor: 0.979  
Total Harmonic Distortion (THDi): 13.3%  
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

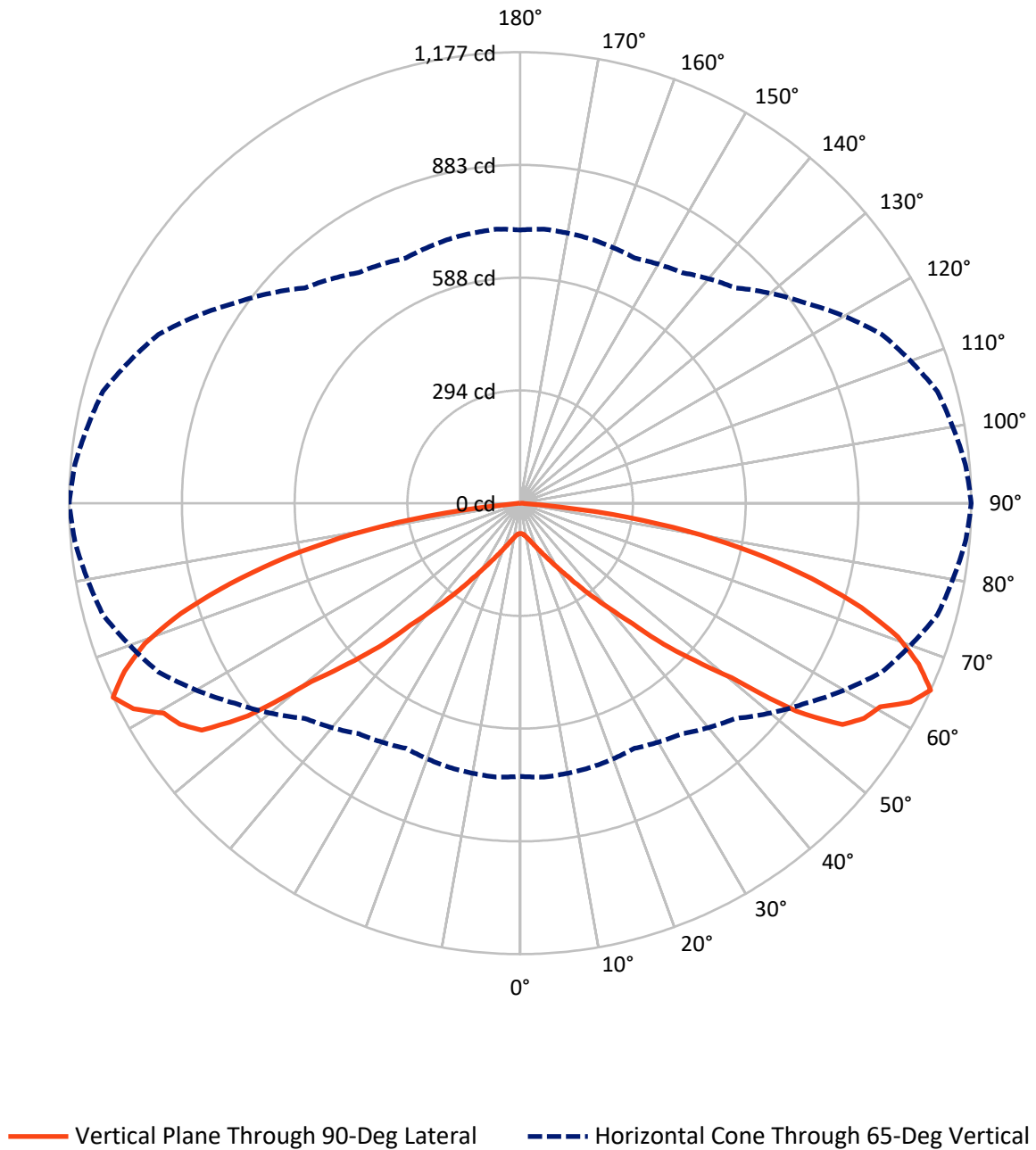
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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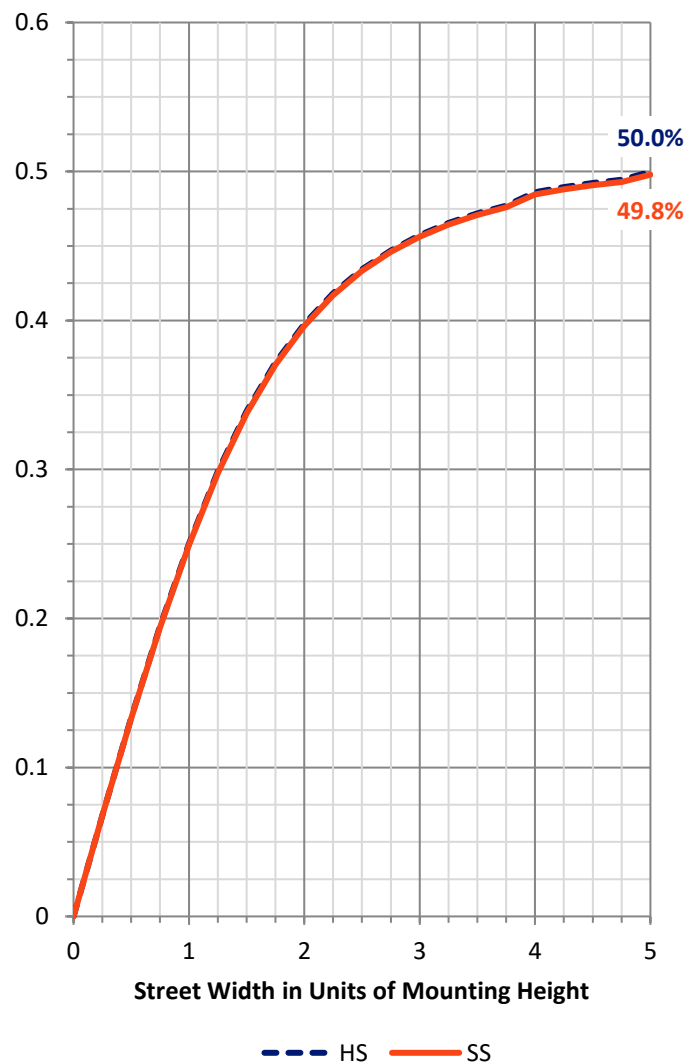
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1383.5   | 0.0    | 1383.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1383.5   | 0.0    | 1383.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2767.0   | 0.0    | 2767.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.0    | 0.3       |
| 10°-20°   | 29.4   | 1.1       |
| 20°-30°   | 67.7   | 2.4       |
| 30°-40°   | 147.6  | 5.3       |
| 40°-50°   | 319.2  | 11.5      |
| 50°-60°   | 625.6  | 22.6      |
| 60°-70°   | 845.9  | 30.6      |
| 70°-80°   | 634.2  | 22.9      |
| 80°-90°   | 89.4   | 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°    | 2767.0 | 100.0     |
| 0°-180°   | 2767.0 | 100.0     |

**Coefficient of Utilization**



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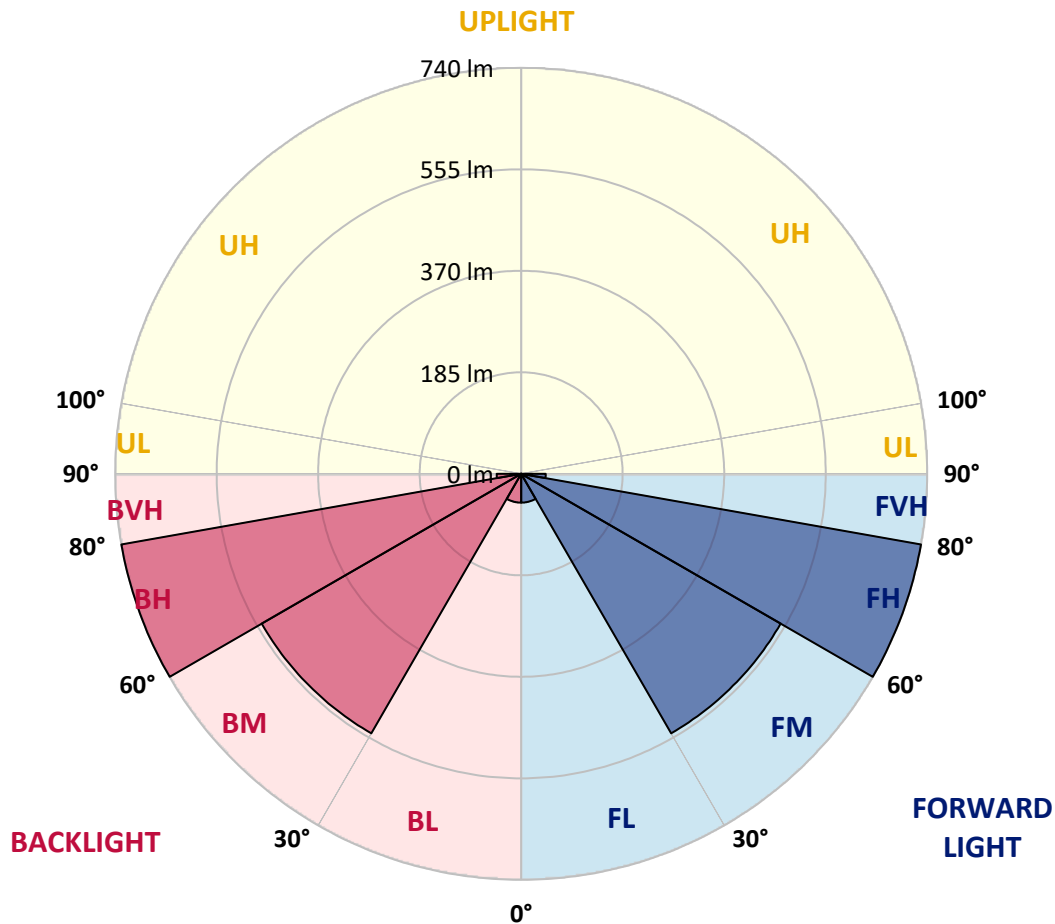
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 52.6   | 1.9       |                         |      |         |
| FM   | (30°-60°)   | 546.2  | 19.7      |                         |      |         |
| FH   | (60°-80°)   | 740.0  | 26.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 44.7   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 52.6   | 1.9       | B0/110                  |      |         |
| BM   | (30°-60°)   | 546.2  | 19.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 740.0  | 26.7      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 44.7   | 1.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°    | 75°    | 85°    | 90°    |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2  | 79.2   | 79.2   | 79.2   | 79.2   |
| 2.5°  | 80.1  | 80.1  | 80.1  | 80.1  | 79.8  | 80.1  | 79.8  | 79.8   | 79.8   | 79.8   | 79.8   |
| 5°    | 81.3  | 81.6  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9  | 81.9   | 81.9   | 81.6   | 81.6   |
| 7.5°  | 84.1  | 84.7  | 84.7  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0   | 85.0   | 84.7   | 84.7   |
| 10°   | 88.3  | 88.6  | 88.9  | 88.9  | 88.9  | 89.2  | 89.8  | 89.8   | 89.8   | 89.5   | 90.1   |
| 12.5° | 93.2  | 93.5  | 93.5  | 93.8  | 94.4  | 94.4  | 94.7  | 95.3   | 95.6   | 95.6   | 96.2   |
| 15°   | 99.0  | 99.6  | 99.6  | 99.6  | 100.8 | 101.1 | 101.7 | 102.3  | 102.9  | 102.9  | 103.5  |
| 17.5° | 105.7 | 106.6 | 106.3 | 106.6 | 108.1 | 108.7 | 109.9 | 110.6  | 112.1  | 112.7  | 113.3  |
| 20°   | 113.9 | 114.8 | 114.5 | 115.1 | 116.3 | 117.9 | 119.1 | 121.5  | 123.0  | 123.0  | 124.3  |
| 22.5° | 124.0 | 124.9 | 124.3 | 124.6 | 126.4 | 127.6 | 130.3 | 132.8  | 135.2  | 136.4  | 137.7  |
| 25°   | 135.5 | 136.7 | 135.8 | 136.4 | 138.3 | 139.8 | 143.1 | 147.4  | 150.1  | 152.3  | 154.1  |
| 27.5° | 151.1 | 152.3 | 151.4 | 151.4 | 153.8 | 155.0 | 159.9 | 164.8  | 169.3  | 171.5  | 173.0  |
| 30°   | 168.1 | 169.9 | 168.4 | 168.4 | 171.2 | 172.4 | 178.2 | 185.5  | 191.9  | 195.5  | 198.0  |
| 32.5° | 188.2 | 189.1 | 187.9 | 188.2 | 190.3 | 192.5 | 201.3 | 211.4  | 220.2  | 224.8  | 227.8  |
| 35°   | 211.7 | 213.5 | 210.4 | 209.8 | 213.2 | 217.4 | 228.7 | 243.9  | 257.0  | 263.4  | 266.8  |
| 37.5° | 239.1 | 240.0 | 236.9 | 236.3 | 241.5 | 247.6 | 263.4 | 283.5  | 298.2  | 306.7  | 311.2  |
| 40°   | 270.4 | 273.2 | 268.3 | 268.6 | 273.8 | 282.9 | 303.3 | 327.4  | 347.2  | 357.5  | 362.4  |
| 42.5° | 304.5 | 310.0 | 303.6 | 303.0 | 312.5 | 324.3 | 349.0 | 380.1  | 409.6  | 424.8  | 428.8  |
| 45°   | 342.3 | 350.5 | 344.4 | 343.8 | 356.6 | 372.2 | 406.9 | 454.4  | 492.8  | 520.8  | 525.7  |
| 47.5° | 386.2 | 394.1 | 386.8 | 388.6 | 403.5 | 428.5 | 475.1 | 532.7  | 579.3  | 609.7  | 614.0  |
| 50°   | 437.3 | 438.6 | 434.0 | 435.8 | 462.0 | 494.6 | 551.8 | 614.3  | 682.5  | 713.6  | 715.7  |
| 52.5° | 487.3 | 483.6 | 480.3 | 486.4 | 518.6 | 559.5 | 631.0 | 734.0  | 829.9  | 891.1  | 902.1  |
| 55°   | 536.6 | 530.8 | 530.5 | 539.7 | 580.8 | 637.4 | 729.4 | 858.8  | 956.9  | 1008.1 | 1020.2 |
| 57.5° | 583.8 | 581.4 | 581.7 | 589.3 | 641.1 | 712.9 | 820.2 | 938.0  | 1017.8 | 1052.5 | 1058.6 |
| 60°   | 629.5 | 633.8 | 630.7 | 643.2 | 699.2 | 771.1 | 854.3 | 968.5  | 1046.1 | 1076.3 | 1079.3 |
| 62.5° | 674.0 | 678.2 | 677.0 | 687.1 | 724.5 | 784.8 | 872.5 | 1005.6 | 1095.2 | 1138.1 | 1142.7 |
| 65°   | 712.9 | 717.5 | 713.6 | 705.9 | 734.6 | 794.3 | 910.0 | 1041.6 | 1126.8 | 1165.8 | 1176.8 |
| 67.5° | 741.6 | 742.8 | 727.9 | 707.8 | 723.9 | 773.3 | 884.7 | 1010.8 | 1085.1 | 1110.7 | 1121.3 |
| 70°   | 757.4 | 748.3 | 721.2 | 682.2 | 672.7 | 710.8 | 821.4 | 932.2  | 1008.7 | 1034.9 | 1045.2 |
| 72.5° | 739.7 | 726.7 | 678.5 | 616.7 | 586.6 | 615.8 | 723.9 | 828.4  | 891.4  | 917.9  | 930.7  |
| 75°   | 677.6 | 657.8 | 595.7 | 519.3 | 477.2 | 505.6 | 601.8 | 695.3  | 749.5  | 769.9  | 784.5  |
| 77.5° | 555.2 | 540.3 | 477.2 | 399.3 | 356.0 | 376.4 | 459.9 | 533.3  | 588.4  | 603.0  | 623.7  |
| 80°   | 388.3 | 371.9 | 330.7 | 265.3 | 225.4 | 235.1 | 298.5 | 356.9  | 404.7  | 424.2  | 443.4  |
| 82.5° | 192.2 | 179.7 | 164.8 | 128.5 | 98.7  | 99.3  | 135.2 | 162.9  | 205.6  | 222.9  | 242.4  |
| 85°   | 7.0   | 7.9   | 9.4   | 11.6  | 9.1   | 7.0   | 13.1  | 15.5   | 10.7   | 16.8   | 10.4   |
| 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)