

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: P198113

Luminaire Tested: **TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P198113  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2999.1 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): 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

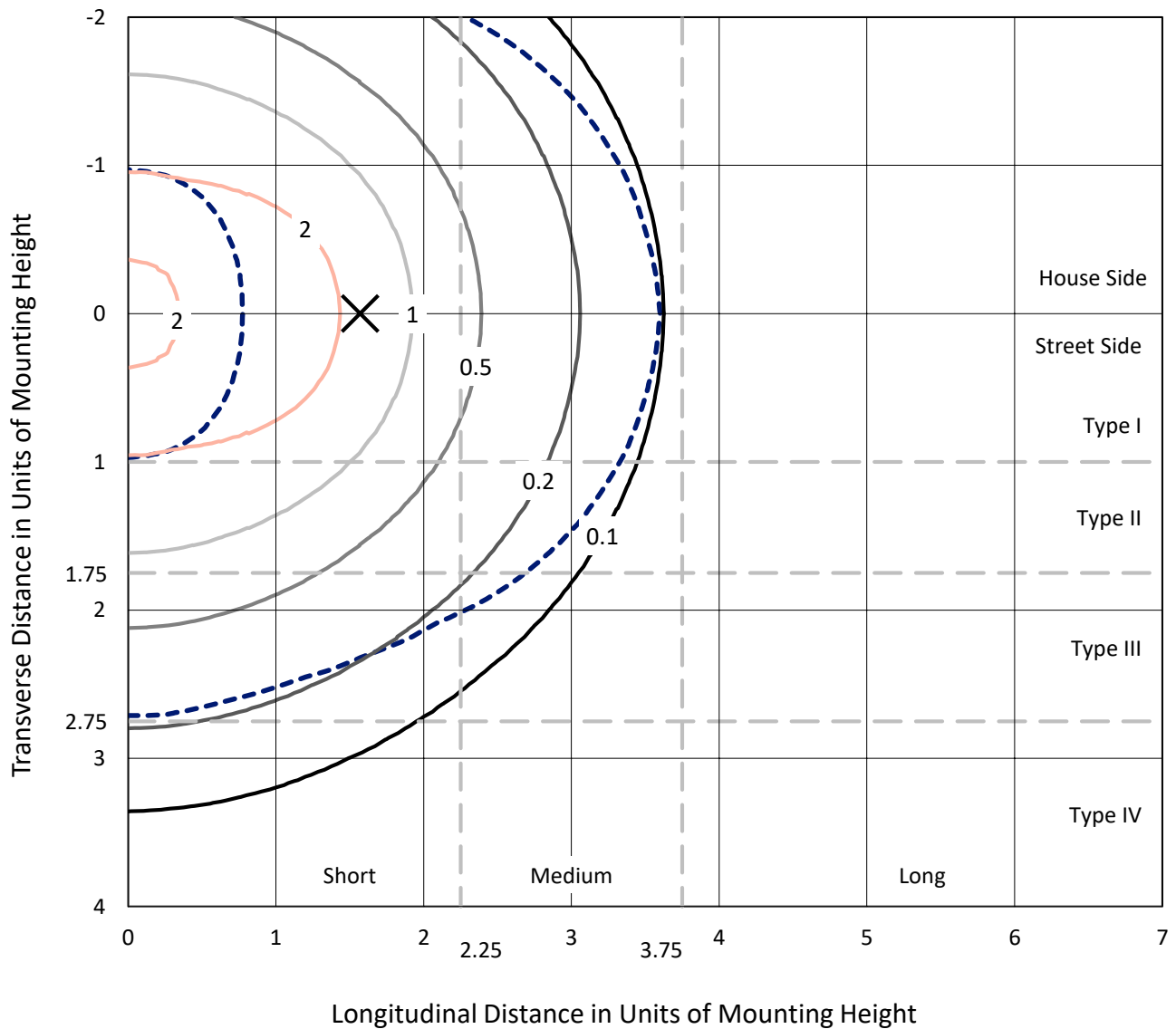


REPORT NUMBER: P198113

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030

### Iso-Footcandle Lines of Horizontal Illumination

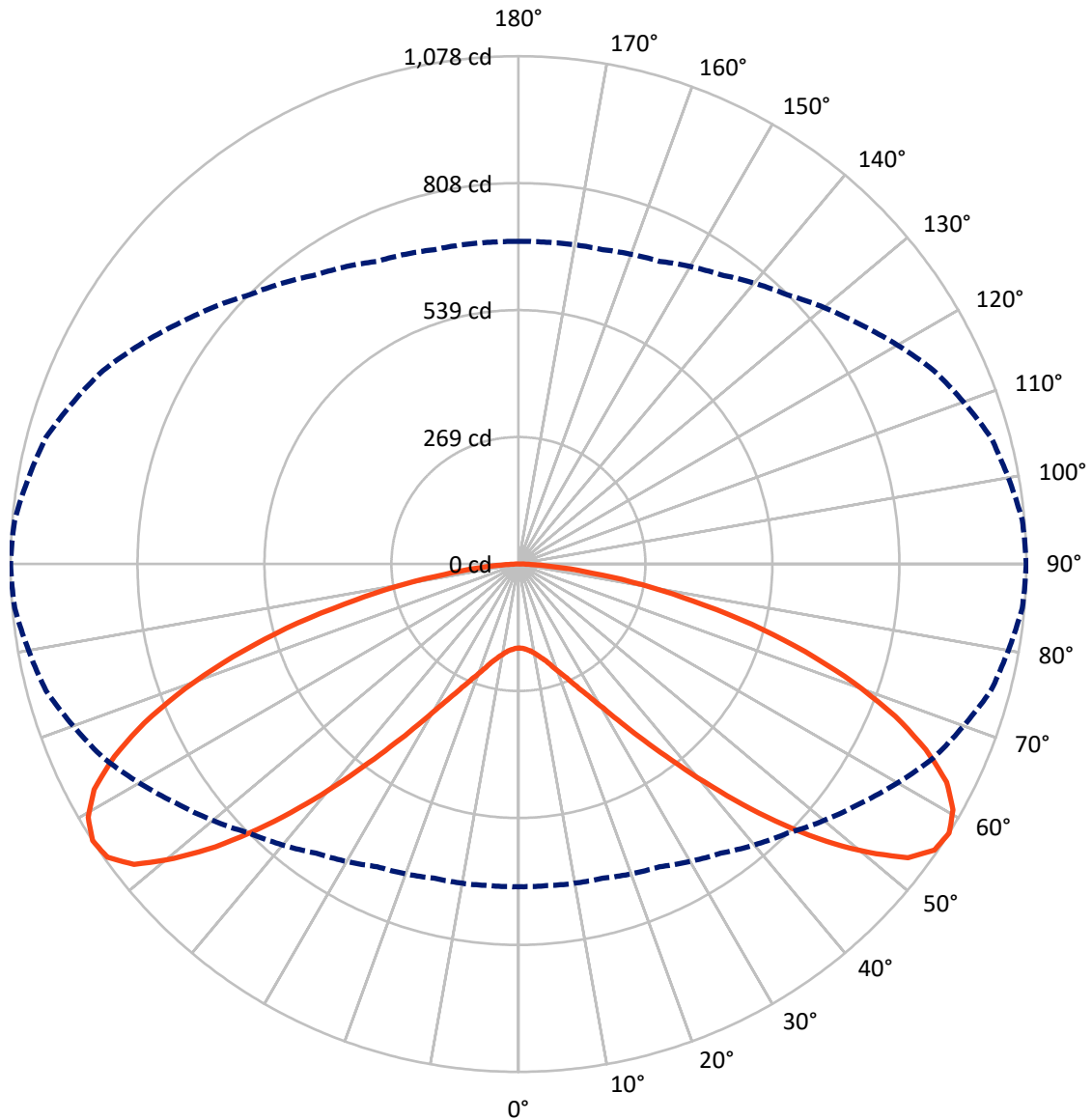
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - Full Cutoff

REPORT NUMBER: P198113  
CATALOG NUMBER: TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P198113

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030

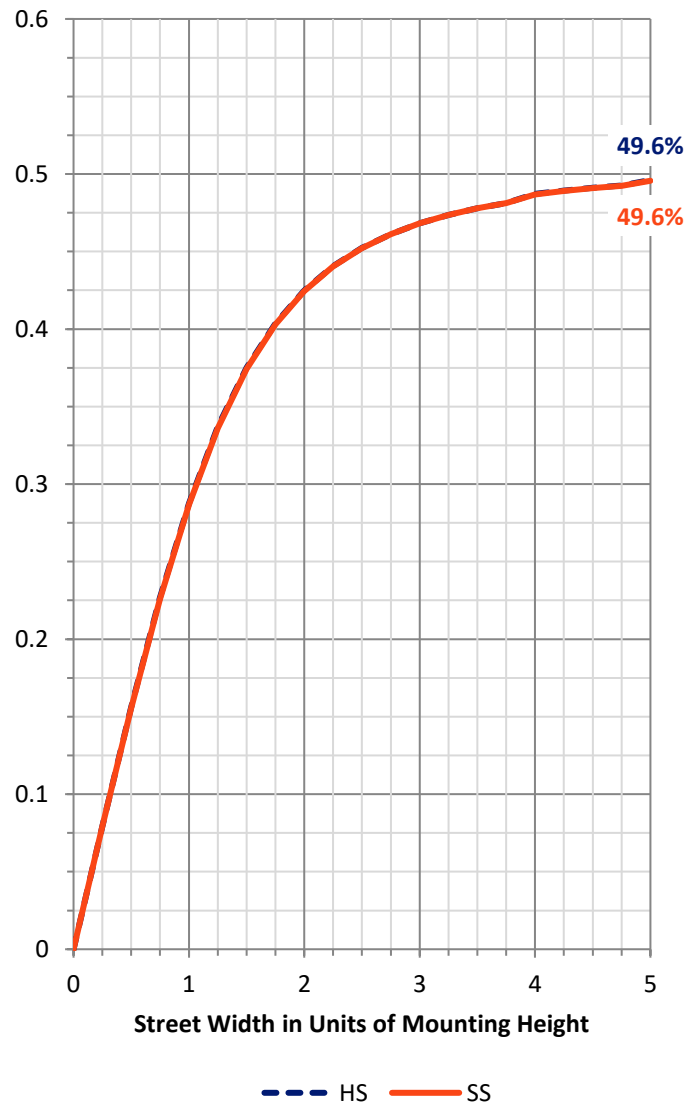
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1499.6   | 0.0    | 1499.6 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1499.6   | 0.0    | 1499.6 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 2999.1   | 0.0    | 2999.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 17.7   | 0.6       |
| 10°-20°   | 61.2   | 2.0       |
| 20°-30°   | 133.6  | 4.5       |
| 30°-40°   | 268.2  | 8.9       |
| 40°-50°   | 500.8  | 16.7      |
| 50°-60°   | 737.6  | 24.6      |
| 60°-70°   | 743.0  | 24.8      |
| 70°-80°   | 443.6  | 14.8      |
| 80°-90°   | 93.5   | 3.1       |
| 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°    | 2999.1 | 100.0     |
| 0°-180°   | 2999.1 | 100.0     |



REPORT NUMBER: P198113

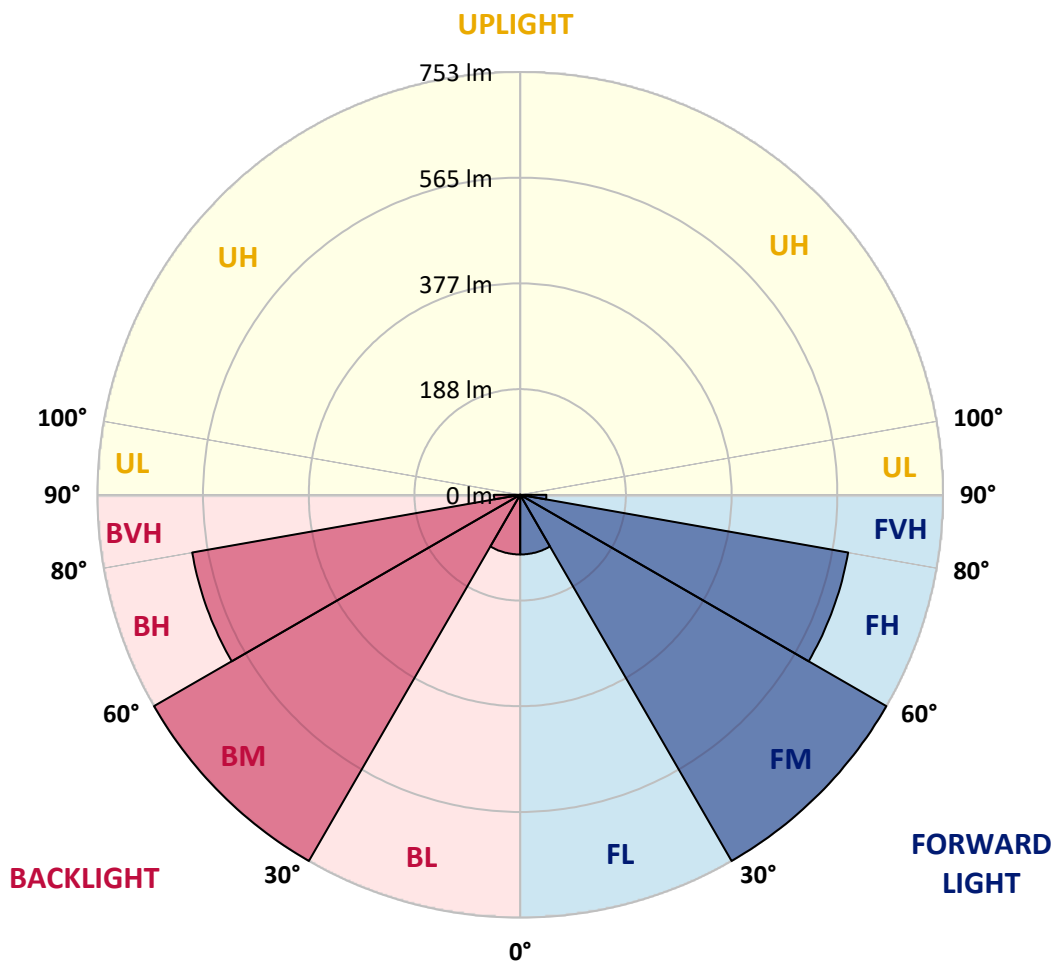
CATALOG NUMBER: TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 106.3  | 3.5       |                         |      |         |
| FM   | (30°-60°)   | 753.3  | 25.1      |                         |      |         |
| FH   | (60°-80°)   | 593.3  | 19.8      |                         |      | G0/660  |
| FVH  | (80°-90°)   | 46.7   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 106.3  | 3.5       | B0/110                  |      |         |
| BM   | (30°-60°)   | 753.3  | 25.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 593.3  | 19.8      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 46.7   | 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 III Short





REPORT NUMBER: P198113

CATALOG NUMBER: TT-C2-LED-E1-RW-PM-SG-MS/DIM-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°    | 85°    | 90°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 178.4 | 178.4 | 178.4 | 178.4 | 178.4 | 178.4 | 178.4 | 178.4 | 178.4  | 178.4  | 178.4  |
| 2.5°  | 179.7 | 179.7 | 179.7 | 179.7 | 179.7 | 179.0 | 179.7 | 179.0 | 179.0  | 179.0  | 179.0  |
| 5°    | 181.6 | 181.6 | 181.6 | 182.3 | 182.3 | 182.3 | 182.3 | 181.6 | 182.3  | 181.6  | 182.3  |
| 7.5°  | 186.2 | 186.2 | 186.2 | 186.2 | 186.2 | 186.2 | 186.8 | 186.2 | 186.8  | 186.2  | 186.2  |
| 10°   | 192.0 | 192.0 | 192.0 | 192.0 | 192.7 | 192.7 | 192.7 | 193.3 | 193.3  | 193.3  | 193.3  |
| 12.5° | 200.5 | 200.5 | 200.5 | 200.5 | 200.5 | 200.5 | 201.1 | 201.1 | 201.8  | 201.8  | 201.8  |
| 15°   | 211.6 | 211.6 | 210.9 | 210.9 | 210.9 | 211.6 | 211.6 | 212.9 | 212.2  | 212.2  | 212.2  |
| 17.5° | 225.2 | 224.6 | 224.6 | 224.6 | 224.6 | 224.6 | 224.6 | 225.9 | 225.9  | 225.9  | 226.5  |
| 20°   | 240.2 | 241.5 | 240.8 | 239.5 | 239.5 | 239.5 | 240.2 | 241.5 | 241.5  | 243.4  | 244.1  |
| 22.5° | 261.0 | 261.7 | 260.4 | 259.7 | 257.8 | 257.8 | 259.7 | 260.4 | 263.0  | 262.3  | 263.0  |
| 25°   | 283.2 | 282.5 | 281.9 | 280.6 | 280.6 | 280.6 | 281.9 | 283.8 | 285.8  | 287.7  | 287.7  |
| 27.5° | 307.9 | 307.2 | 306.6 | 305.9 | 304.6 | 306.6 | 307.9 | 312.4 | 313.7  | 318.3  | 317.0  |
| 30°   | 335.2 | 335.9 | 334.6 | 333.9 | 333.3 | 333.9 | 339.1 | 345.6 | 350.9  | 354.1  | 354.8  |
| 32.5° | 365.8 | 366.5 | 365.8 | 364.5 | 365.8 | 369.1 | 375.6 | 384.0 | 394.5  | 400.3  | 402.3  |
| 35°   | 399.7 | 401.0 | 399.7 | 401.0 | 402.3 | 408.1 | 419.9 | 432.9 | 451.1  | 456.3  | 459.6  |
| 37.5° | 436.1 | 434.8 | 434.2 | 436.1 | 442.0 | 454.3 | 470.6 | 493.4 | 512.3  | 527.9  | 527.9  |
| 40°   | 472.6 | 473.2 | 473.9 | 473.9 | 484.9 | 501.9 | 528.6 | 559.1 | 587.1  | 607.3  | 608.0  |
| 42.5° | 511.6 | 511.6 | 511.6 | 517.5 | 531.2 | 557.8 | 592.3 | 637.3 | 675.7  | 694.5  | 697.1  |
| 45°   | 551.3 | 553.9 | 555.2 | 563.1 | 583.2 | 617.1 | 662.6 | 716.7 | 765.5  | 790.9  | 789.6  |
| 47.5° | 590.4 | 593.6 | 596.3 | 608.0 | 635.3 | 671.8 | 728.4 | 793.5 | 848.8  | 877.5  | 880.1  |
| 50°   | 630.8 | 628.8 | 634.0 | 648.3 | 678.9 | 725.8 | 786.3 | 861.2 | 924.3  | 959.5  | 962.1  |
| 52.5° | 657.4 | 656.8 | 662.0 | 677.0 | 712.8 | 765.5 | 835.1 | 920.4 | 988.8  | 1025.2 | 1035.6 |
| 55°   | 676.3 | 675.7 | 681.5 | 699.1 | 738.2 | 794.1 | 869.6 | 959.5 | 1028.5 | 1066.2 | 1071.4 |
| 57.5° | 684.8 | 685.4 | 690.6 | 708.9 | 749.2 | 807.8 | 885.9 | 972.5 | 1038.2 | 1073.4 | 1077.9 |
| 60°   | 683.5 | 684.1 | 688.7 | 706.3 | 746.0 | 802.6 | 878.1 | 959.5 | 1022.0 | 1054.5 | 1059.7 |
| 62.5° | 669.8 | 669.2 | 673.1 | 688.0 | 723.2 | 775.9 | 848.2 | 925.0 | 984.2  | 1014.2 | 1020.0 |
| 65°   | 641.2 | 640.5 | 640.5 | 653.5 | 683.5 | 728.4 | 796.7 | 865.1 | 920.4  | 949.1  | 950.4  |
| 67.5° | 594.3 | 594.3 | 593.0 | 600.8 | 622.9 | 666.6 | 725.1 | 787.6 | 832.5  | 859.2  | 863.1  |
| 70°   | 531.2 | 532.5 | 527.9 | 532.5 | 550.7 | 585.2 | 637.3 | 687.4 | 722.5  | 753.1  | 755.1  |
| 72.5° | 462.2 | 457.0 | 455.0 | 456.3 | 470.0 | 492.1 | 537.0 | 579.3 | 611.9  | 632.7  | 636.6  |
| 75°   | 373.0 | 373.0 | 371.7 | 369.7 | 377.5 | 399.7 | 429.6 | 464.1 | 491.5  | 505.8  | 511.0  |
| 77.5° | 285.8 | 288.4 | 284.5 | 284.5 | 290.3 | 307.2 | 333.3 | 352.2 | 371.7  | 381.4  | 378.8  |
| 80°   | 203.1 | 202.4 | 200.5 | 199.2 | 205.7 | 215.5 | 236.3 | 247.4 | 253.2  | 262.3  | 266.2  |
| 82.5° | 125.6 | 126.9 | 128.9 | 123.0 | 125.6 | 134.7 | 145.8 | 151.7 | 154.3  | 158.2  | 157.5  |
| 85°   | 61.8  | 62.5  | 63.1  | 63.8  | 63.8  | 67.0  | 73.6  | 76.2  | 78.1   | 80.1   | 78.8   |
| 87.5° | 22.8  | 21.5  | 20.8  | 20.8  | 20.8  | 21.5  | 24.7  | 24.1  | 25.4   | 25.4   | 26.7   |
| 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)