

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: P198114

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198114
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
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.1 lumens
Efficiency: N/A
Efficacy: 103.1 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

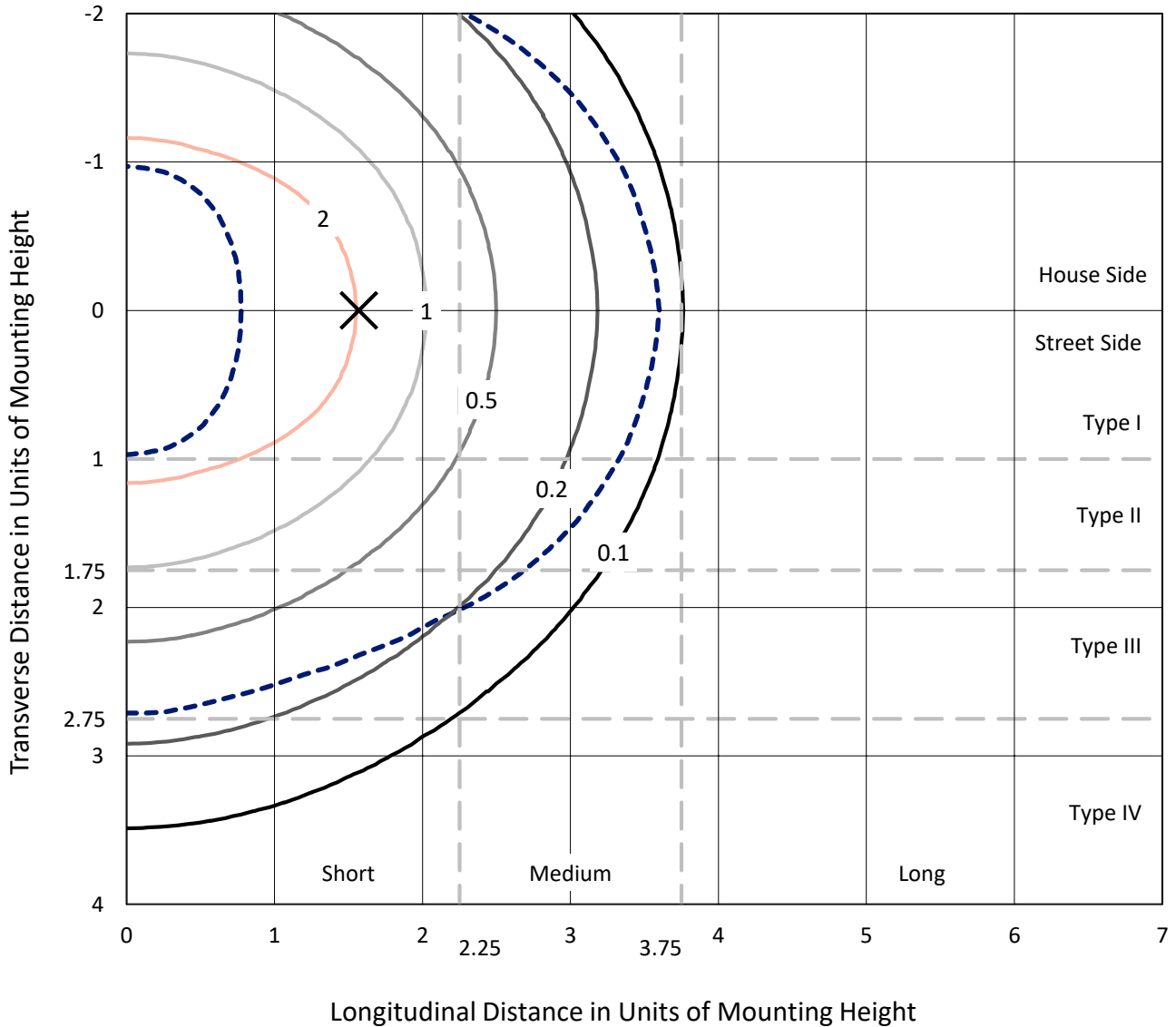


REPORT NUMBER: P198114

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Iso-Footcandle Lines of Horizontal Illumination

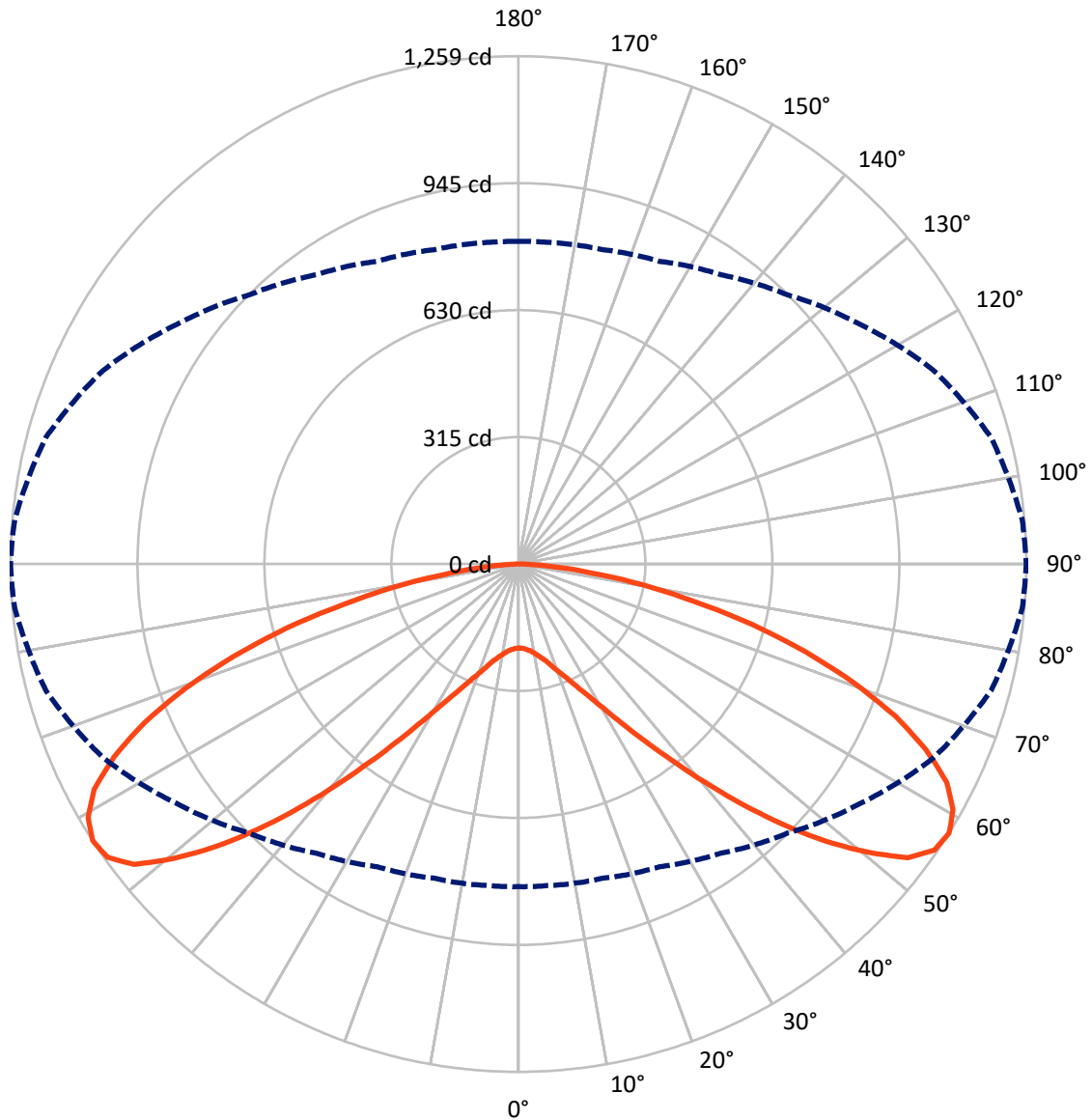
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - Full Cutoff

REPORT NUMBER: P198114
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Luminous Intensity Polar Plot



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

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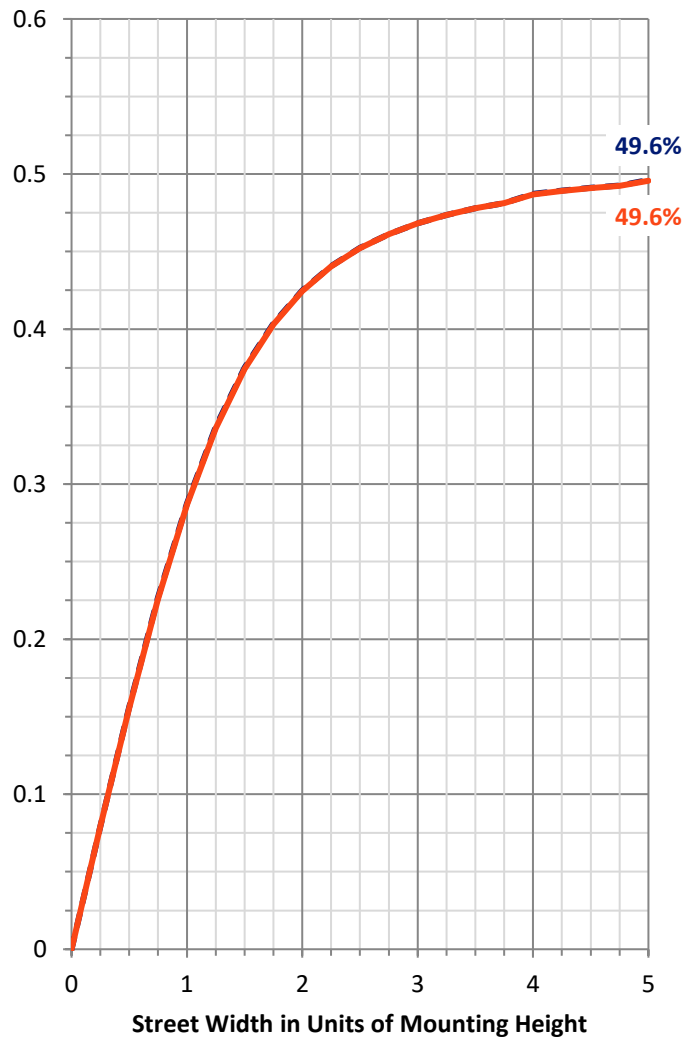
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1752.1 | 0.0 | 1752.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1752.1 | 0.0 | 1752.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3504.1 | 0.0 | 3504.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.7 | 0.6 |
| 10°-20° | 71.6 | 2.0 |
| 20°-30° | 156.1 | 4.5 |
| 30°-40° | 313.3 | 8.9 |
| 40°-50° | 585.1 | 16.7 |
| 50°-60° | 861.8 | 24.6 |
| 60°-70° | 868.2 | 24.8 |
| 70°-80° | 518.2 | 14.8 |
| 80°-90° | 109.2 | 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° | 3504.1 | 100.0 |
| 0°-180° | 3504.1 | 100.0 |



REPORT NUMBER: P198114

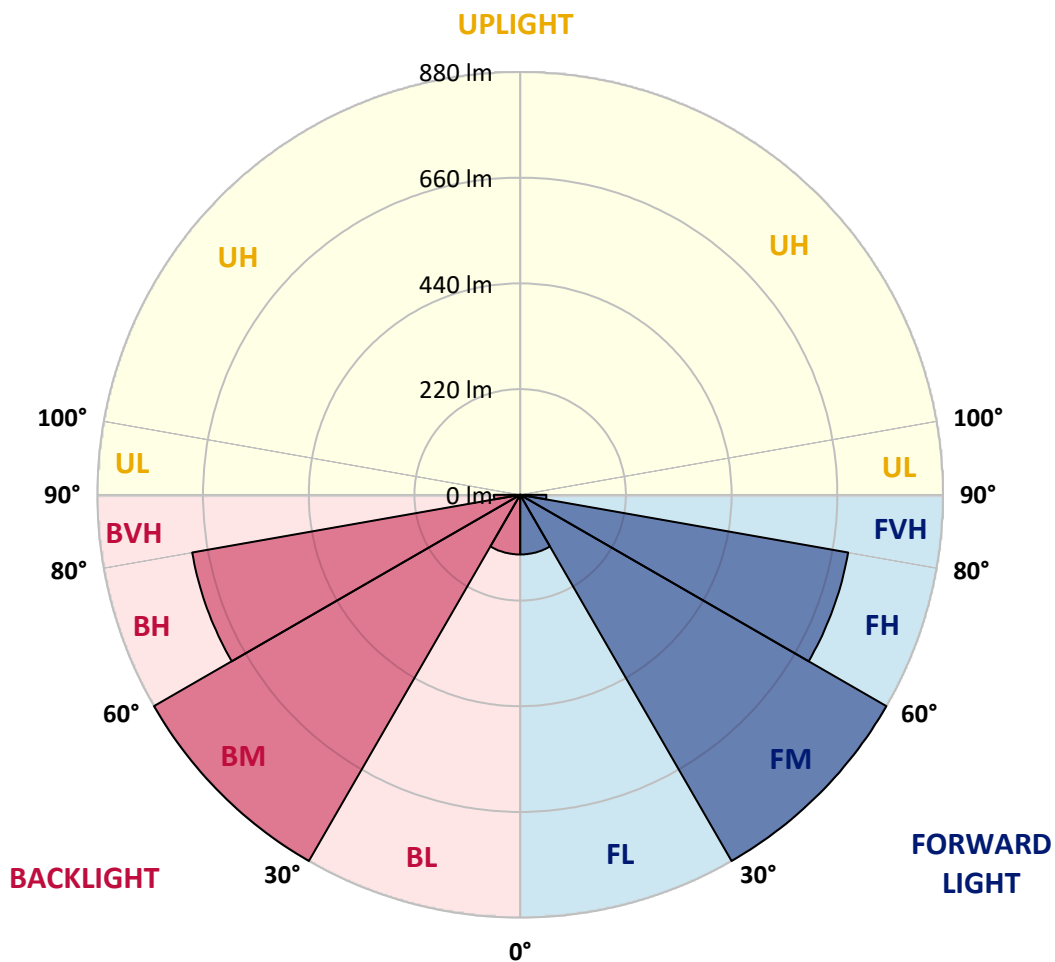
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 124.2 | 3.5 | | | |
| FM | (30°-60°) | 880.1 | 25.1 | | | |
| FH | (60°-80°) | 693.2 | 19.8 | | | G1/1800 |
| FVH | (80°-90°) | 54.6 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 124.2 | 3.5 | B1/500 | | |
| BM | (30°-60°) | 880.1 | 25.1 | B1/1000 | | |
| BH | (60°-80°) | 693.2 | 19.8 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 54.6 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 | 208.4 |
| 2.5° | 209.9 | 209.9 | 209.9 | 209.9 | 209.9 | 209.1 | 209.9 | 209.1 | 209.1 | 209.1 | 209.1 |
| 5° | 212.2 | 212.2 | 212.2 | 212.9 | 212.9 | 212.9 | 212.9 | 212.2 | 212.9 | 212.2 | 212.9 |
| 7.5° | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 217.5 | 218.3 | 217.5 | 218.3 | 217.5 | 217.5 |
| 10° | 224.4 | 224.4 | 224.4 | 224.4 | 225.1 | 225.1 | 225.1 | 225.9 | 225.9 | 225.9 | 225.9 |
| 12.5° | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 234.2 | 235.0 | 235.0 | 235.8 | 235.8 | 235.8 |
| 15° | 247.2 | 247.2 | 246.4 | 246.4 | 246.4 | 247.2 | 247.2 | 248.7 | 247.9 | 247.9 | 247.9 |
| 17.5° | 263.1 | 262.4 | 262.4 | 262.4 | 262.4 | 262.4 | 262.4 | 263.9 | 263.9 | 263.9 | 264.7 |
| 20° | 280.6 | 282.2 | 281.4 | 279.9 | 279.9 | 279.9 | 280.6 | 282.2 | 282.2 | 284.4 | 285.2 |
| 22.5° | 305.0 | 305.7 | 304.2 | 303.5 | 301.2 | 301.2 | 303.5 | 304.2 | 307.3 | 306.5 | 307.3 |
| 25° | 330.8 | 330.1 | 329.3 | 327.8 | 327.8 | 327.8 | 329.3 | 331.6 | 333.9 | 336.2 | 336.2 |
| 27.5° | 359.7 | 359.0 | 358.2 | 357.5 | 355.9 | 358.2 | 359.7 | 365.1 | 366.6 | 371.9 | 370.4 |
| 30° | 391.7 | 392.4 | 390.9 | 390.2 | 389.4 | 390.2 | 396.2 | 403.8 | 409.9 | 413.7 | 414.5 |
| 32.5° | 427.4 | 428.2 | 427.4 | 425.9 | 427.4 | 431.2 | 438.8 | 448.7 | 460.9 | 467.7 | 470.0 |
| 35° | 467.0 | 468.5 | 467.0 | 468.5 | 470.0 | 476.9 | 490.5 | 505.8 | 527.1 | 533.1 | 536.9 |
| 37.5° | 509.6 | 508.0 | 507.3 | 509.6 | 516.4 | 530.9 | 549.9 | 576.5 | 598.5 | 616.8 | 616.8 |
| 40° | 552.1 | 552.9 | 553.7 | 553.7 | 566.6 | 586.4 | 617.6 | 653.3 | 686.0 | 709.6 | 710.3 |
| 42.5° | 597.8 | 597.8 | 597.8 | 604.6 | 620.6 | 651.8 | 692.1 | 744.6 | 789.4 | 811.5 | 814.5 |
| 45° | 644.2 | 647.2 | 648.7 | 657.9 | 681.4 | 721.0 | 774.2 | 837.3 | 894.4 | 924.1 | 922.5 |
| 47.5° | 689.8 | 693.6 | 696.7 | 710.3 | 742.3 | 784.9 | 851.0 | 927.1 | 991.7 | 1025.2 | 1028.2 |
| 50° | 737.0 | 734.7 | 740.8 | 757.5 | 793.2 | 848.0 | 918.7 | 1006.2 | 1080.0 | 1121.0 | 1124.1 |
| 52.5° | 768.1 | 767.4 | 773.5 | 791.0 | 832.8 | 894.4 | 975.8 | 1075.4 | 1155.3 | 1197.8 | 1210.0 |
| 55° | 790.2 | 789.4 | 796.3 | 816.8 | 862.4 | 927.9 | 1016.1 | 1121.0 | 1201.6 | 1245.8 | 1251.8 |
| 57.5° | 800.1 | 800.8 | 806.9 | 828.2 | 875.4 | 943.8 | 1035.1 | 1136.2 | 1213.1 | 1254.1 | 1259.4 |
| 60° | 798.6 | 799.3 | 804.6 | 825.2 | 871.6 | 937.7 | 1026.0 | 1121.0 | 1194.0 | 1232.1 | 1238.2 |
| 62.5° | 782.6 | 781.8 | 786.4 | 803.9 | 845.0 | 906.6 | 991.0 | 1080.7 | 1149.9 | 1184.9 | 1191.8 |
| 65° | 749.1 | 748.4 | 748.4 | 763.6 | 798.6 | 851.0 | 930.9 | 1010.8 | 1075.4 | 1108.9 | 1110.4 |
| 67.5° | 694.4 | 694.4 | 692.8 | 702.0 | 727.8 | 778.8 | 847.2 | 920.2 | 972.7 | 1003.9 | 1008.5 |
| 70° | 620.6 | 622.1 | 616.8 | 622.1 | 643.4 | 683.7 | 744.6 | 803.1 | 844.2 | 879.9 | 882.2 |
| 72.5° | 540.0 | 533.9 | 531.6 | 533.1 | 549.1 | 575.0 | 627.4 | 676.9 | 714.9 | 739.2 | 743.8 |
| 75° | 435.8 | 435.8 | 434.3 | 432.0 | 441.1 | 467.0 | 502.0 | 542.3 | 574.2 | 590.9 | 597.0 |
| 77.5° | 333.9 | 336.9 | 332.4 | 332.4 | 339.2 | 359.0 | 389.4 | 411.4 | 434.3 | 445.7 | 442.6 |
| 80° | 237.3 | 236.5 | 234.2 | 232.7 | 240.3 | 251.7 | 276.1 | 289.0 | 295.8 | 306.5 | 311.1 |
| 82.5° | 146.8 | 148.3 | 150.6 | 143.7 | 146.8 | 157.4 | 170.4 | 177.2 | 180.2 | 184.8 | 184.0 |
| 85° | 72.3 | 73.0 | 73.8 | 74.5 | 74.5 | 78.3 | 85.9 | 89.0 | 91.3 | 93.5 | 92.0 |
| 87.5° | 26.6 | 25.1 | 24.3 | 24.3 | 24.3 | 25.1 | 28.9 | 28.1 | 29.7 | 29.7 | 31.2 |
| 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)