

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: P198116

Luminaire Tested: **TT-C2-LED-E1-RW-PM-SG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198116
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3244.4 lumens
Efficiency: N/A
Efficacy: 95.4 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

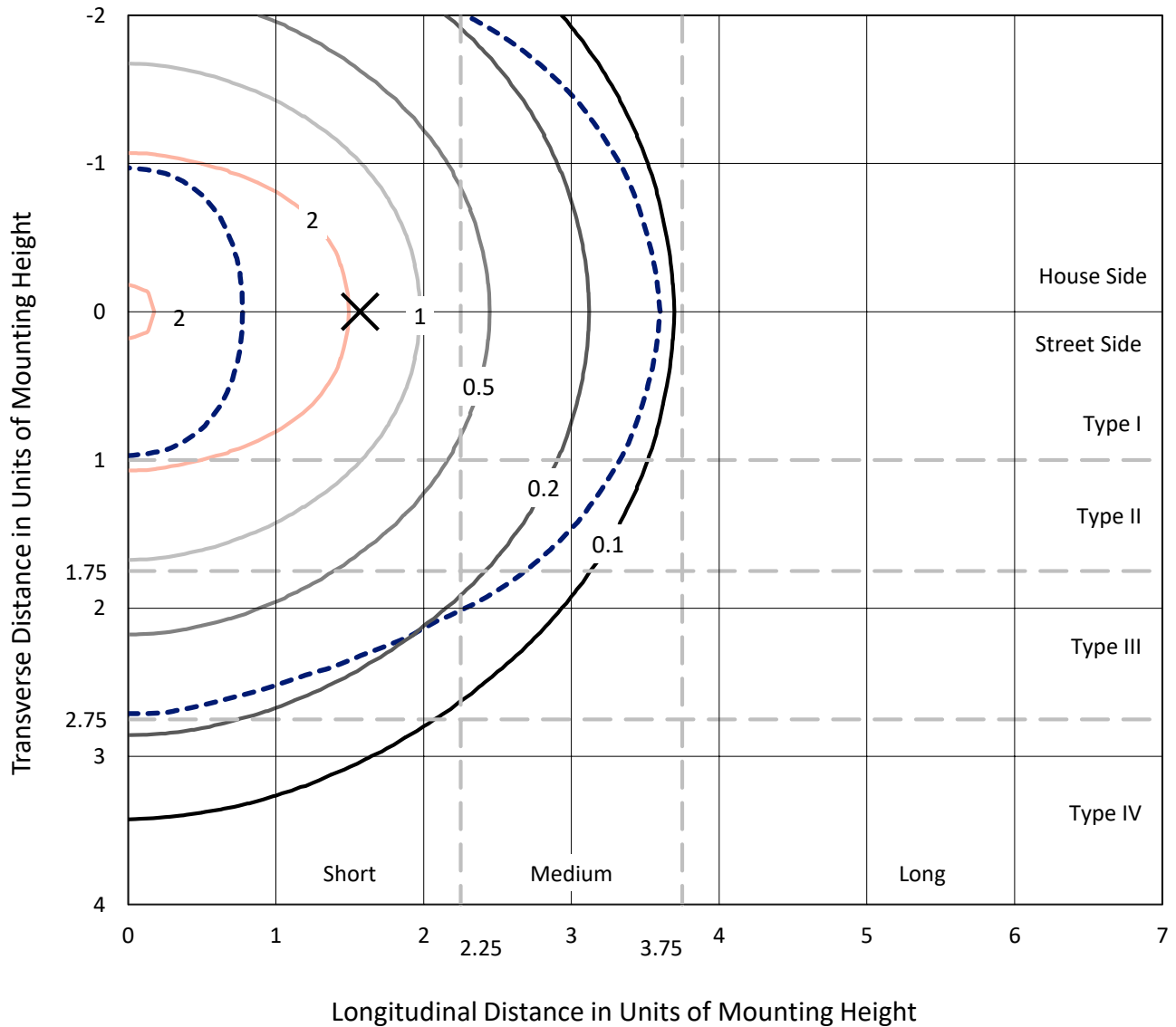


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Iso-Footcandle Lines of Horizontal Illumination

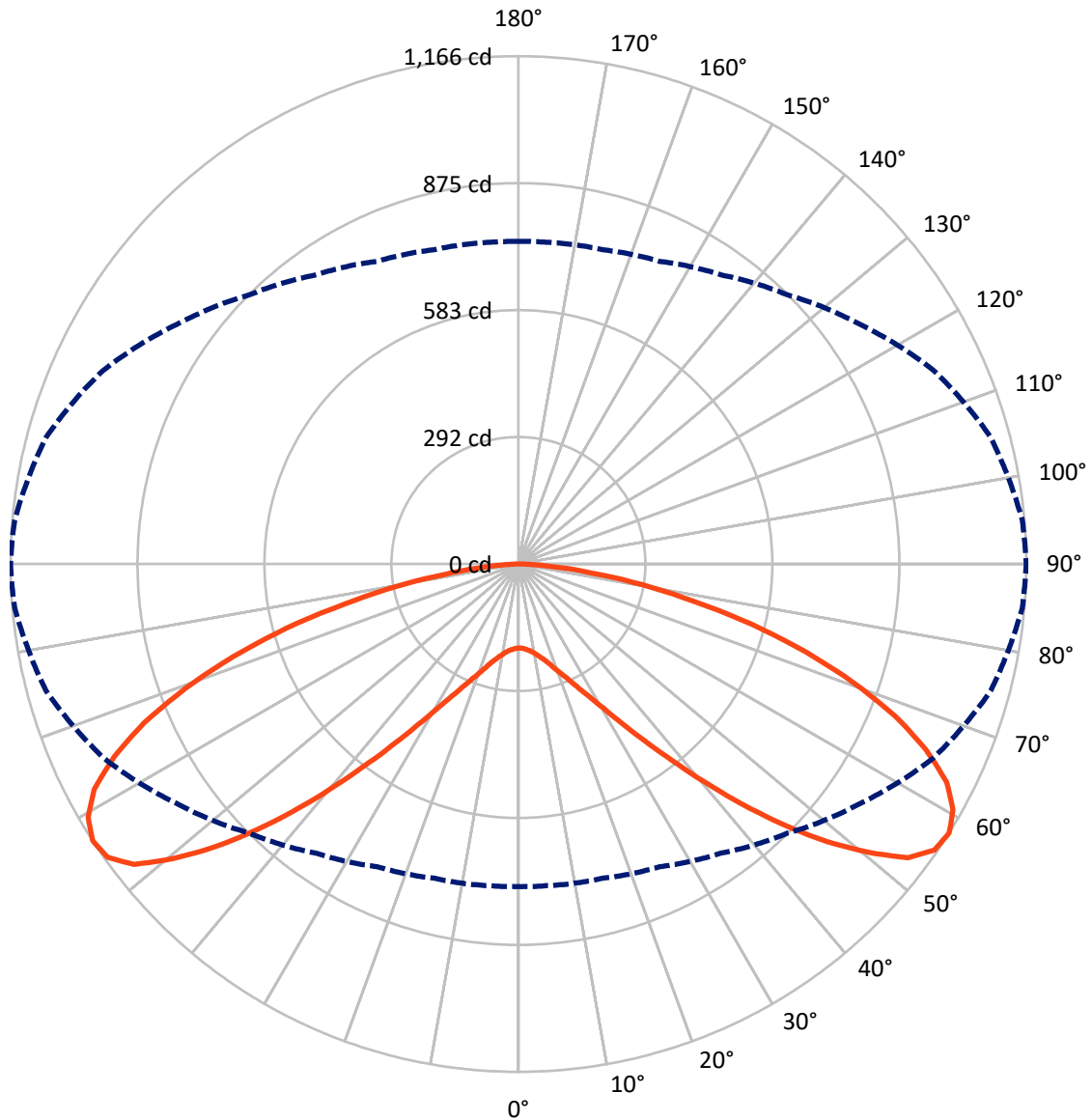
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Full Cutoff

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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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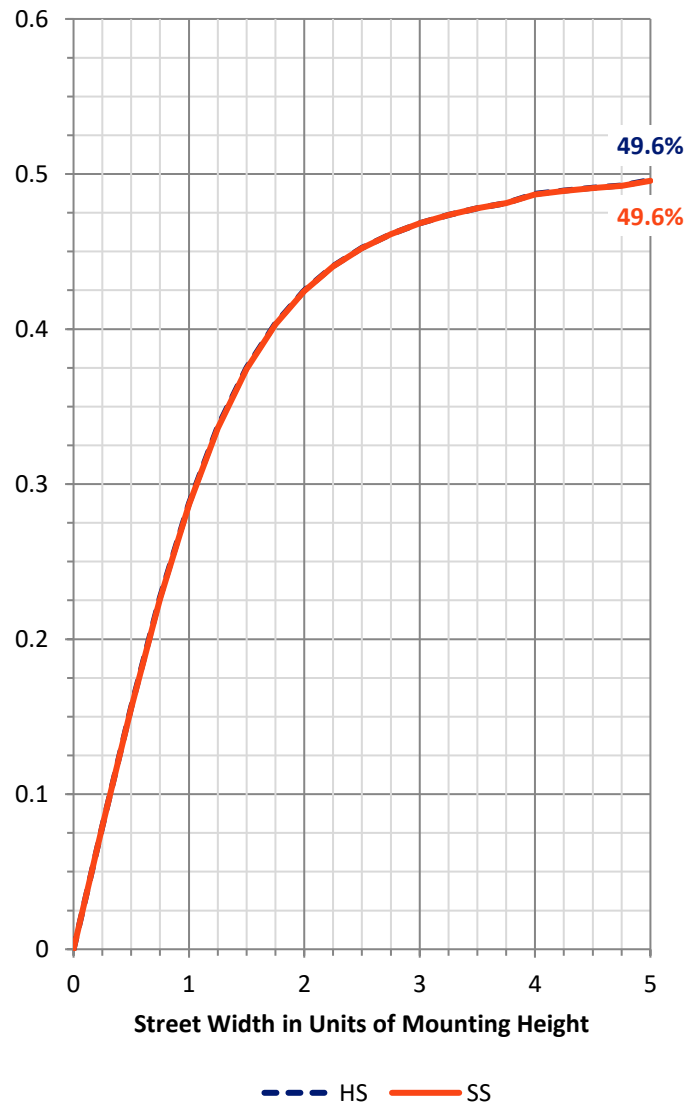
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1622.2 | 0.0 | 1622.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1622.2 | 0.0 | 1622.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3244.4 | 0.0 | 3244.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.2 | 0.6 |
| 10°-20° | 66.2 | 2.0 |
| 20°-30° | 144.5 | 4.5 |
| 30°-40° | 290.1 | 8.9 |
| 40°-50° | 541.7 | 16.7 |
| 50°-60° | 797.9 | 24.6 |
| 60°-70° | 803.8 | 24.8 |
| 70°-80° | 479.8 | 14.8 |
| 80°-90° | 101.1 | 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° | 3244.4 | 100.0 |
| 0°-180° | 3244.4 | 100.0 |

Coefficient of Utilization



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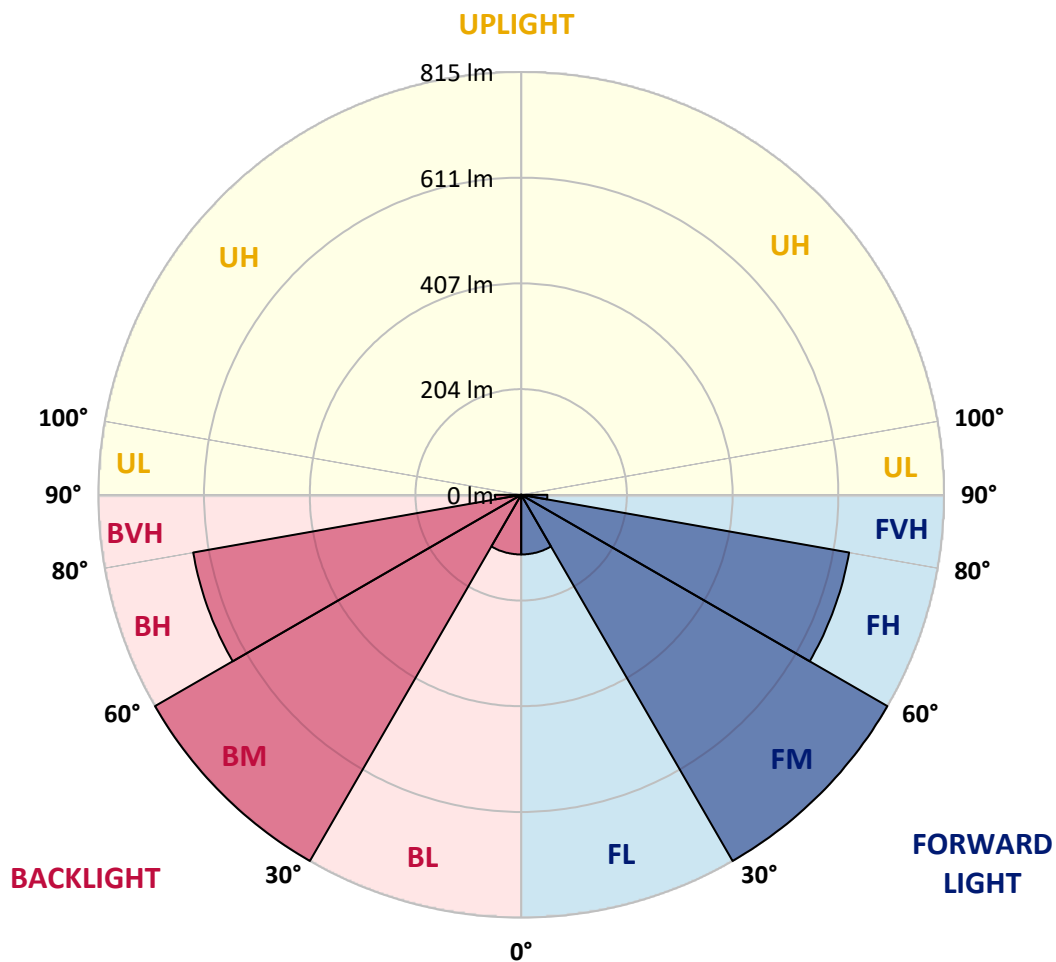
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 115.0 | 3.5 | | | |
| FM | (30°-60°) | 814.9 | 25.1 | | | |
| FH | (60°-80°) | 641.8 | 19.8 | | | G0/660 |
| FVH | (80°-90°) | 50.6 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 115.0 | 3.5 | B1/500 | | |
| BM | (30°-60°) | 814.9 | 25.1 | B1/1000 | | |
| BH | (60°-80°) | 641.8 | 19.8 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 50.6 | 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° | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 | 192.9 |
| 2.5° | 194.3 | 194.3 | 194.3 | 194.3 | 194.3 | 193.6 | 194.3 | 193.6 | 193.6 | 193.6 | 193.6 |
| 5° | 196.5 | 196.5 | 196.5 | 197.2 | 197.2 | 197.2 | 197.2 | 196.5 | 197.2 | 196.5 | 197.2 |
| 7.5° | 201.4 | 201.4 | 201.4 | 201.4 | 201.4 | 201.4 | 202.1 | 201.4 | 202.1 | 201.4 | 201.4 |
| 10° | 207.7 | 207.7 | 207.7 | 207.7 | 208.4 | 208.4 | 208.4 | 209.1 | 209.1 | 209.1 | 209.1 |
| 12.5° | 216.9 | 216.9 | 216.9 | 216.9 | 216.9 | 216.9 | 217.6 | 217.6 | 218.3 | 218.3 | 218.3 |
| 15° | 228.9 | 228.9 | 228.1 | 228.1 | 228.1 | 228.9 | 228.9 | 230.3 | 229.6 | 229.6 | 229.6 |
| 17.5° | 243.6 | 242.9 | 242.9 | 242.9 | 242.9 | 242.9 | 242.9 | 244.3 | 244.3 | 244.3 | 245.0 |
| 20° | 259.8 | 261.2 | 260.5 | 259.1 | 259.1 | 259.1 | 259.8 | 261.2 | 261.2 | 263.4 | 264.1 |
| 22.5° | 282.4 | 283.1 | 281.7 | 281.0 | 278.8 | 278.8 | 281.0 | 281.7 | 284.5 | 283.8 | 284.5 |
| 25° | 306.3 | 305.6 | 304.9 | 303.5 | 303.5 | 303.5 | 304.9 | 307.0 | 309.1 | 311.2 | 311.2 |
| 27.5° | 333.1 | 332.4 | 331.7 | 331.0 | 329.5 | 331.7 | 333.1 | 338.0 | 339.4 | 344.3 | 342.9 |
| 30° | 362.6 | 363.3 | 361.9 | 361.2 | 360.5 | 361.2 | 366.9 | 373.9 | 379.5 | 383.1 | 383.8 |
| 32.5° | 395.7 | 396.4 | 395.7 | 394.3 | 395.7 | 399.3 | 406.3 | 415.5 | 426.7 | 433.1 | 435.2 |
| 35° | 432.4 | 433.8 | 432.4 | 433.8 | 435.2 | 441.5 | 454.2 | 468.3 | 488.0 | 493.6 | 497.1 |
| 37.5° | 471.8 | 470.4 | 469.7 | 471.8 | 478.1 | 491.5 | 509.1 | 533.8 | 554.2 | 571.1 | 571.1 |
| 40° | 511.2 | 511.9 | 512.6 | 512.6 | 524.6 | 542.9 | 571.8 | 604.9 | 635.2 | 657.0 | 657.7 |
| 42.5° | 553.5 | 553.5 | 553.5 | 559.8 | 574.6 | 603.5 | 640.8 | 689.4 | 730.9 | 751.3 | 754.2 |
| 45° | 596.4 | 599.2 | 600.6 | 609.1 | 630.9 | 667.5 | 716.8 | 775.3 | 828.1 | 855.6 | 854.1 |
| 47.5° | 638.7 | 642.2 | 645.0 | 657.7 | 687.3 | 726.7 | 788.0 | 858.4 | 918.2 | 949.2 | 952.0 |
| 50° | 682.3 | 680.2 | 685.9 | 701.3 | 734.4 | 785.1 | 850.6 | 931.6 | 999.9 | 1037.9 | 1040.7 |
| 52.5° | 711.2 | 710.5 | 716.1 | 732.3 | 771.1 | 828.1 | 903.4 | 995.7 | 1069.6 | 1109.1 | 1120.3 |
| 55° | 731.6 | 730.9 | 737.3 | 756.3 | 798.5 | 859.1 | 940.8 | 1037.9 | 1112.6 | 1153.4 | 1159.0 |
| 57.5° | 740.8 | 741.5 | 747.1 | 766.8 | 810.5 | 873.9 | 958.4 | 1052.0 | 1123.1 | 1161.2 | 1166.1 |
| 60° | 739.4 | 740.1 | 745.0 | 764.0 | 807.0 | 868.2 | 949.9 | 1037.9 | 1105.5 | 1140.7 | 1146.4 |
| 62.5° | 724.6 | 723.9 | 728.1 | 744.3 | 782.3 | 839.4 | 917.5 | 1000.6 | 1064.7 | 1097.1 | 1103.4 |
| 65° | 693.6 | 692.9 | 692.9 | 707.0 | 739.4 | 788.0 | 861.9 | 935.8 | 995.7 | 1026.7 | 1028.1 |
| 67.5° | 642.9 | 642.9 | 641.5 | 649.9 | 673.9 | 721.1 | 784.4 | 852.0 | 900.6 | 929.5 | 933.7 |
| 70° | 574.6 | 576.0 | 571.1 | 576.0 | 595.7 | 633.0 | 689.4 | 743.6 | 781.6 | 814.7 | 816.8 |
| 72.5° | 500.0 | 494.3 | 492.2 | 493.6 | 508.4 | 532.3 | 580.9 | 626.7 | 661.9 | 684.4 | 688.7 |
| 75° | 403.5 | 403.5 | 402.1 | 400.0 | 408.4 | 432.4 | 464.7 | 502.1 | 531.6 | 547.1 | 552.8 |
| 77.5° | 309.1 | 311.9 | 307.7 | 307.7 | 314.1 | 332.4 | 360.5 | 381.0 | 402.1 | 412.6 | 409.8 |
| 80° | 219.7 | 219.0 | 216.9 | 215.5 | 222.5 | 233.1 | 255.6 | 267.6 | 273.9 | 283.8 | 288.0 |
| 82.5° | 135.9 | 137.3 | 139.4 | 133.1 | 135.9 | 145.8 | 157.7 | 164.1 | 166.9 | 171.1 | 170.4 |
| 85° | 66.9 | 67.6 | 68.3 | 69.0 | 69.0 | 72.5 | 79.6 | 82.4 | 84.5 | 86.6 | 85.2 |
| 87.5° | 24.6 | 23.2 | 22.5 | 22.5 | 22.5 | 23.2 | 26.8 | 26.1 | 27.5 | 27.5 | 28.9 |
| 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)