

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: P197996

Luminaire Tested: **TT-C2-LED-E1-RW-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34691)
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3578.7 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

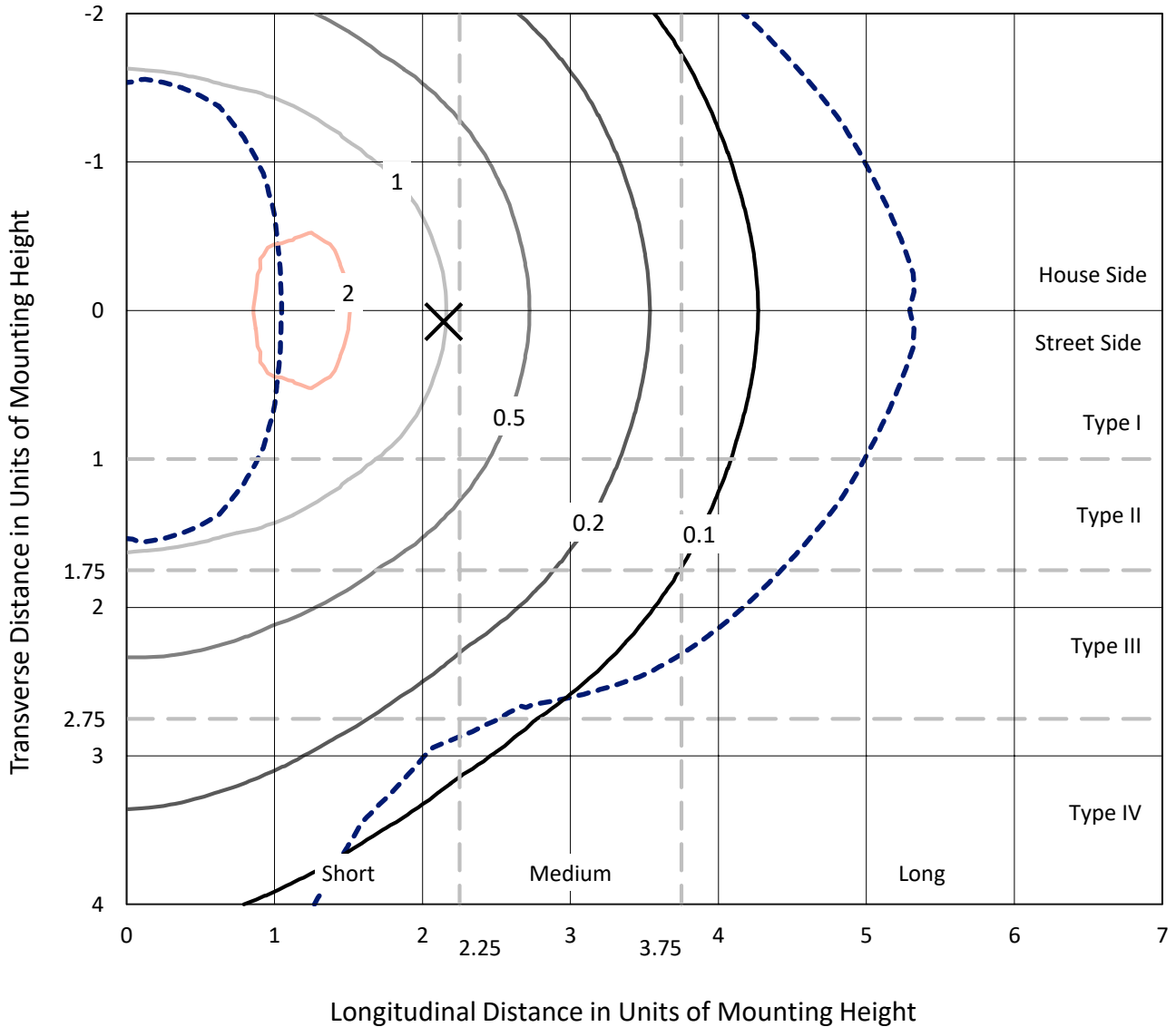
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

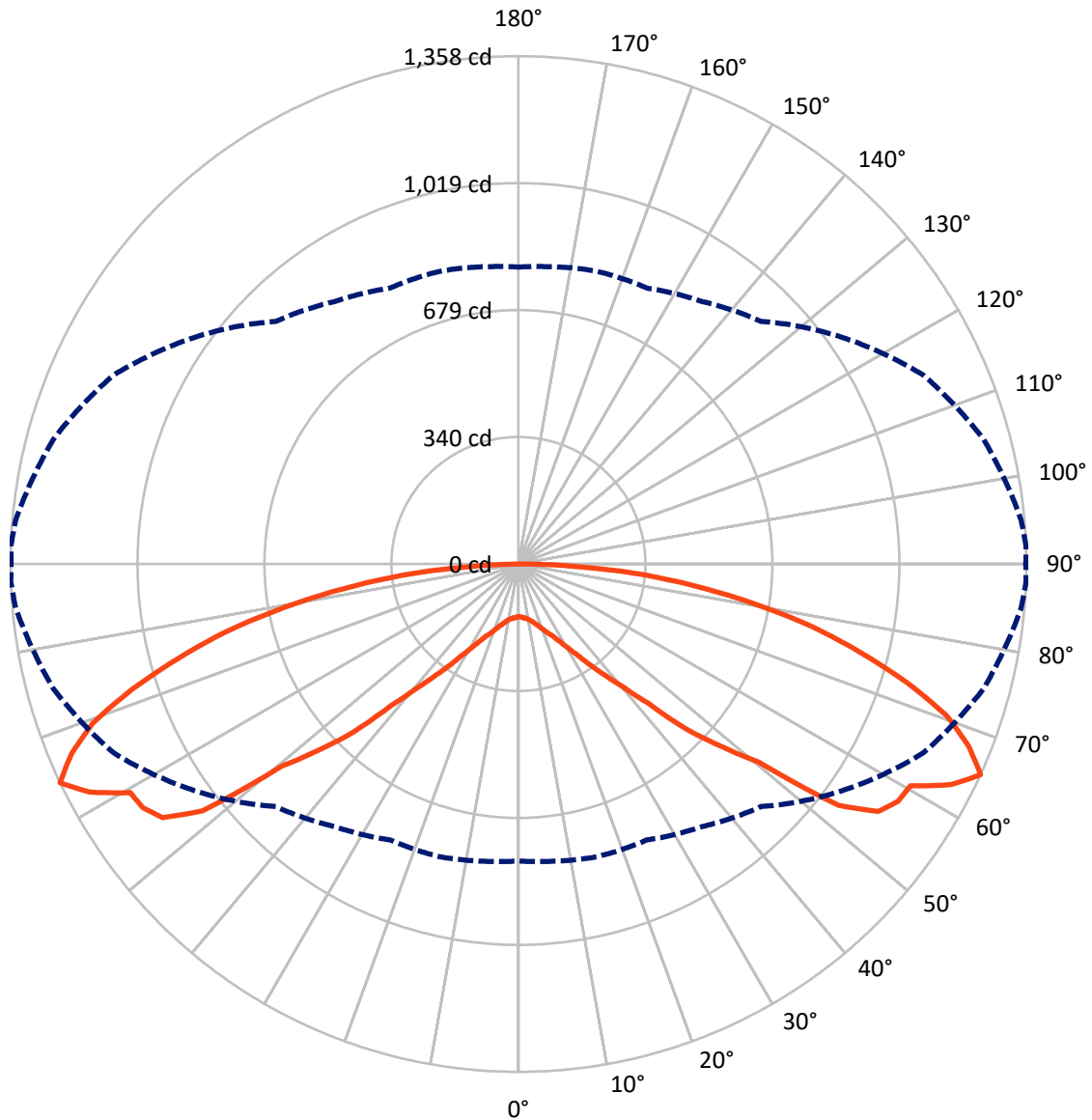
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 88-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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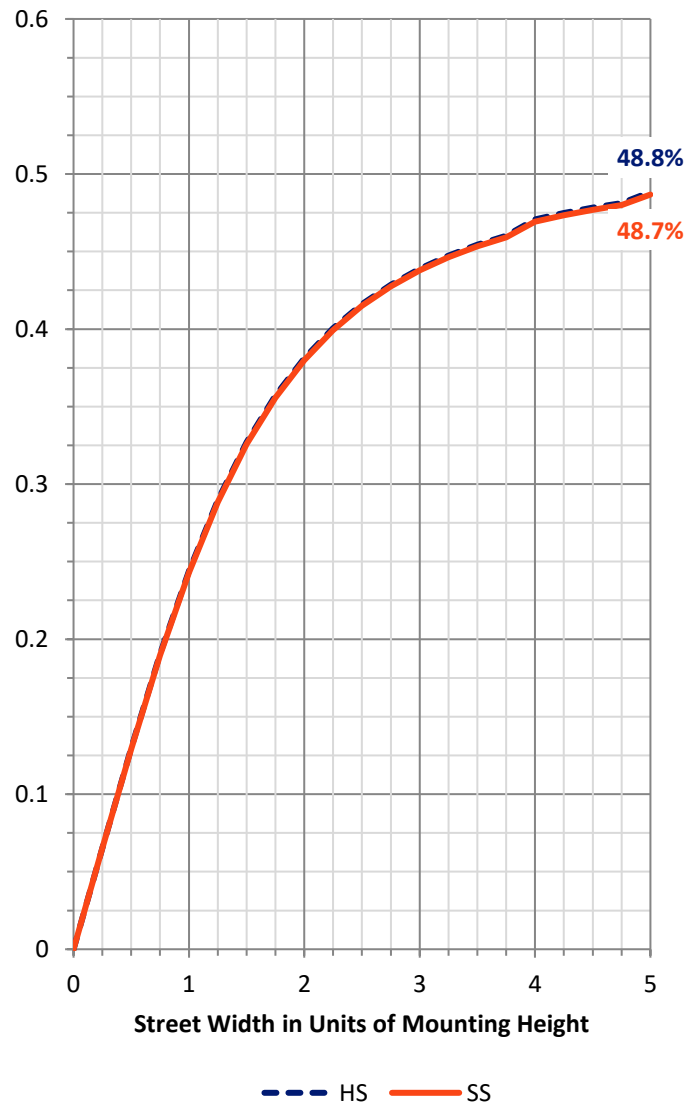
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1789.3 | 0.0 | 1789.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1789.3 | 0.0 | 1789.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3578.7 | 0.0 | 3578.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.0 | 0.4 |
| 10°-20° | 48.7 | 1.4 |
| 20°-30° | 107.6 | 3.0 |
| 30°-40° | 214.5 | 6.0 |
| 40°-50° | 410.5 | 11.5 |
| 50°-60° | 734.8 | 20.5 |
| 60°-70° | 973.7 | 27.2 |
| 70°-80° | 812.6 | 22.7 |
| 80°-90° | 262.2 | 7.3 |
| 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° | 3578.7 | 100.0 |
| 0°-180° | 3578.7 | 100.0 |



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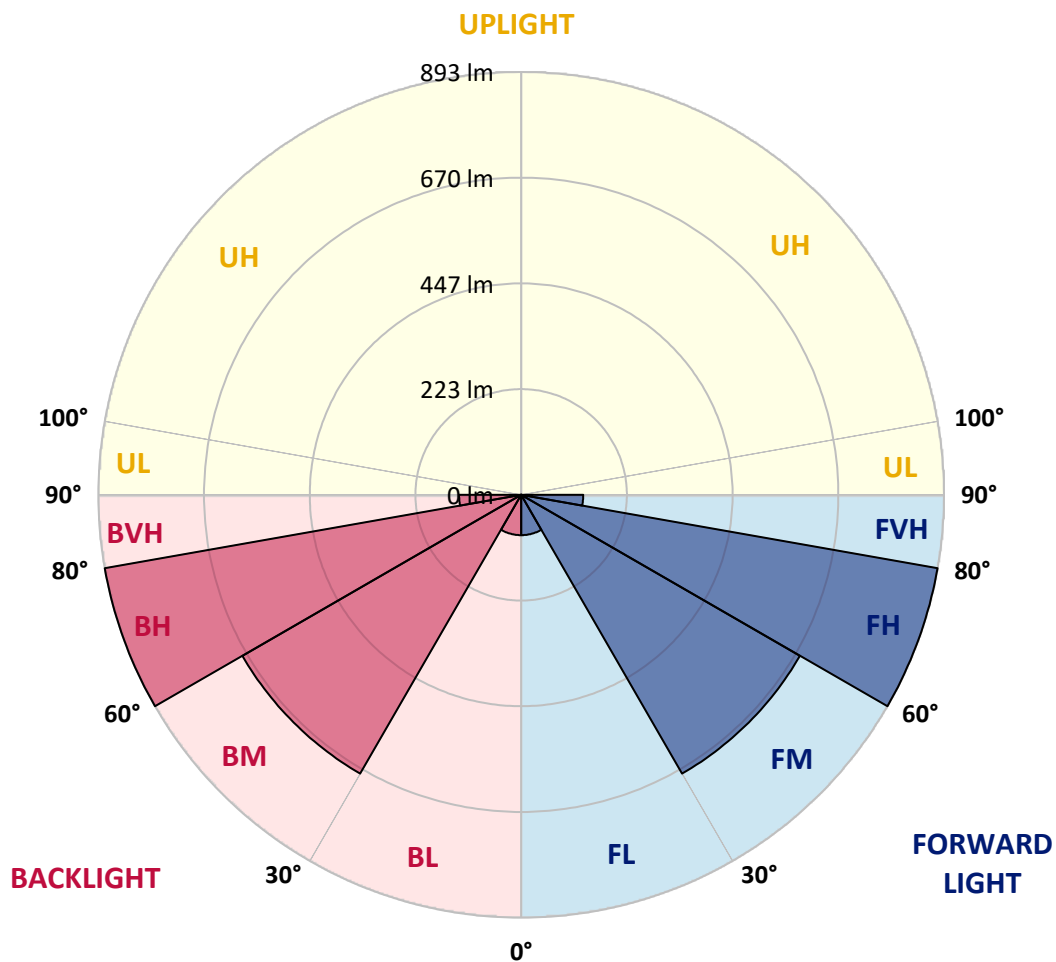
CATALOG NUMBER: TT-C2-LED-E1-RW-PM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 85.2 | 2.4 | | | |
| FM | (30°-60°) | 679.9 | 19.0 | | | |
| FH | (60°-80°) | 893.1 | 25.0 | | | G1/1800 |
| FVH | (80°-90°) | 131.1 | 3.7 | | | G2/225 |
| BL | (0°-30°) | 85.2 | 2.4 | B0/110 | | |
| BM | (30°-60°) | 679.9 | 19.0 | B1/1000 | | |
| BH | (60°-80°) | 893.1 | 25.0 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 131.1 | 3.7 | | | G2/225 |
| 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° | 88° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 | 140.1 |
| 2.5° | 141.5 | 141.5 | 141.5 | 141.5 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 |
| 5° | 143.6 | 143.6 | 144.4 | 144.4 | 145.1 | 145.1 | 145.1 | 145.1 | 144.4 | 144.4 | 144.4 |
| 7.5° | 147.2 | 147.9 | 148.6 | 148.6 | 148.6 | 147.9 | 147.2 | 147.2 | 146.5 | 146.5 | 146.5 |
| 10° | 153.5 | 153.5 | 154.2 | 154.2 | 153.5 | 152.8 | 152.1 | 151.4 | 151.4 | 151.4 | 150.7 |
| 12.5° | 161.3 | 161.3 | 162.0 | 161.3 | 159.8 | 159.1 | 157.7 | 157.0 | 157.0 | 156.3 | 156.3 |
| 15° | 171.8 | 173.2 | 173.2 | 171.1 | 169.0 | 166.9 | 166.2 | 164.8 | 164.8 | 164.8 | 164.8 |
| 17.5° | 188.0 | 187.3 | 184.5 | 182.4 | 181.0 | 177.4 | 176.0 | 175.3 | 173.9 | 173.9 | 173.9 |
| 20° | 206.3 | 204.9 | 201.4 | 198.6 | 195.8 | 191.5 | 188.7 | 187.3 | 186.6 | 185.9 | 185.9 |
| 22.5° | 226.7 | 224.6 | 219.7 | 217.6 | 212.0 | 207.7 | 204.2 | 201.4 | 199.3 | 198.6 | 200.0 |
| 25° | 247.9 | 247.9 | 243.6 | 238.0 | 232.4 | 226.0 | 221.1 | 217.6 | 214.8 | 214.1 | 213.4 |
| 27.5° | 270.4 | 271.8 | 266.2 | 260.5 | 254.2 | 245.8 | 240.8 | 235.9 | 235.2 | 234.5 | 233.8 |
| 30° | 294.3 | 297.2 | 291.5 | 285.9 | 277.4 | 269.0 | 262.7 | 260.5 | 258.4 | 259.8 | 259.8 |
| 32.5° | 323.9 | 325.3 | 319.0 | 314.8 | 303.5 | 295.0 | 289.4 | 288.0 | 288.7 | 288.0 | 290.1 |
| 35° | 358.4 | 356.3 | 351.4 | 342.9 | 333.1 | 325.3 | 321.1 | 323.9 | 331.7 | 334.5 | 333.1 |
| 37.5° | 396.4 | 388.7 | 385.9 | 375.3 | 366.2 | 359.8 | 361.2 | 368.3 | 374.6 | 379.5 | 378.1 |
| 40° | 424.6 | 426.0 | 418.3 | 408.4 | 400.0 | 398.6 | 406.3 | 415.5 | 427.4 | 431.7 | 433.1 |
| 42.5° | 453.5 | 461.9 | 452.8 | 442.9 | 438.7 | 441.5 | 452.8 | 471.1 | 497.8 | 511.9 | 509.8 |
| 45° | 486.6 | 495.7 | 485.9 | 478.1 | 477.4 | 488.0 | 512.6 | 560.5 | 599.9 | 628.1 | 630.9 |
| 47.5° | 521.1 | 528.1 | 519.0 | 514.0 | 521.1 | 541.5 | 583.7 | 647.8 | 690.1 | 723.2 | 728.8 |
| 50° | 564.7 | 561.9 | 554.9 | 554.2 | 569.7 | 607.0 | 664.0 | 728.8 | 804.9 | 826.7 | 833.7 |
| 52.5° | 607.7 | 597.1 | 595.7 | 599.2 | 626.7 | 669.0 | 745.0 | 872.5 | 984.4 | 1063.3 | 1071.7 |
| 55° | 647.8 | 635.9 | 638.7 | 647.8 | 686.6 | 750.6 | 856.3 | 1011.9 | 1109.8 | 1165.4 | 1168.2 |
| 57.5° | 684.4 | 677.4 | 683.7 | 696.4 | 754.2 | 836.5 | 948.5 | 1076.7 | 1150.6 | 1190.0 | 1197.1 |
| 60° | 721.8 | 720.4 | 728.1 | 751.3 | 813.3 | 886.5 | 980.2 | 1093.6 | 1167.5 | 1197.8 | 1204.8 |
| 62.5° | 757.0 | 761.9 | 771.8 | 794.3 | 842.2 | 899.2 | 990.1 | 1128.8 | 1239.3 | 1287.2 | 1299.2 |
| 65° | 794.3 | 798.5 | 810.5 | 814.0 | 857.0 | 917.5 | 1056.9 | 1195.0 | 1287.9 | 1349.9 | 1358.3 |
| 67.5° | 828.1 | 833.7 | 829.5 | 826.7 | 864.0 | 917.5 | 1043.6 | 1164.7 | 1242.1 | 1289.3 | 1298.5 |
| 70° | 860.5 | 854.1 | 837.2 | 815.4 | 826.0 | 862.6 | 978.1 | 1083.0 | 1161.2 | 1205.5 | 1214.7 |
| 72.5° | 868.9 | 860.5 | 815.4 | 765.4 | 749.9 | 777.4 | 883.7 | 976.7 | 1040.7 | 1082.3 | 1087.9 |
| 75° | 847.1 | 829.5 | 753.5 | 684.4 | 654.9 | 682.3 | 771.1 | 850.6 | 895.7 | 940.8 | 944.3 |
| 77.5° | 759.8 | 748.5 | 664.0 | 580.2 | 547.1 | 567.6 | 641.5 | 697.8 | 749.9 | 793.6 | 802.0 |
| 80° | 623.9 | 614.0 | 539.4 | 471.1 | 426.7 | 440.8 | 495.0 | 540.1 | 590.1 | 624.6 | 635.2 |
| 82.5° | 459.1 | 457.7 | 404.2 | 340.1 | 309.1 | 307.7 | 348.6 | 392.9 | 430.9 | 464.0 | 471.1 |
| 85° | 288.7 | 288.7 | 252.1 | 213.4 | 181.0 | 181.7 | 206.3 | 238.7 | 286.6 | 307.7 | 309.8 |
| 87.5° | 97.9 | 92.9 | 86.6 | 70.4 | 56.3 | 50.7 | 54.2 | 62.0 | 94.4 | 116.9 | 121.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| | 90° |
|-------|--------|
| 0° | 140.1 |
| 2.5° | 142.2 |
| 5° | 144.4 |
| 7.5° | 146.5 |
| 10° | 150.7 |
| 12.5° | 157.0 |
| 15° | 164.1 |
| 17.5° | 173.9 |
| 20° | 185.9 |
| 22.5° | 199.3 |
| 25° | 213.4 |
| 27.5° | 234.5 |
| 30° | 259.1 |
| 32.5° | 289.4 |
| 35° | 333.8 |
| 37.5° | 379.5 |
| 40° | 436.6 |
| 42.5° | 515.4 |
| 45° | 623.9 |
| 47.5° | 728.8 |
| 50° | 826.0 |
| 52.5° | 1054.1 |
| 55° | 1171.0 |
| 57.5° | 1196.4 |
| 60° | 1202.7 |
| 62.5° | 1292.8 |
| 65° | 1356.9 |
| 67.5° | 1297.8 |
| 70° | 1212.6 |
| 72.5° | 1083.7 |
| 75° | 949.9 |
| 77.5° | 802.0 |
| 80° | 626.7 |
| 82.5° | 471.1 |
| 85° | 304.9 |
| 87.5° | 117.6 |
| 90° | 0.0 |

(END OF REPORT)