

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: P198072

Luminaire Tested: **TT-C3-LED-E1-RW-PM-CG-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34695)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-PM-CG-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4527.2 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 45
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

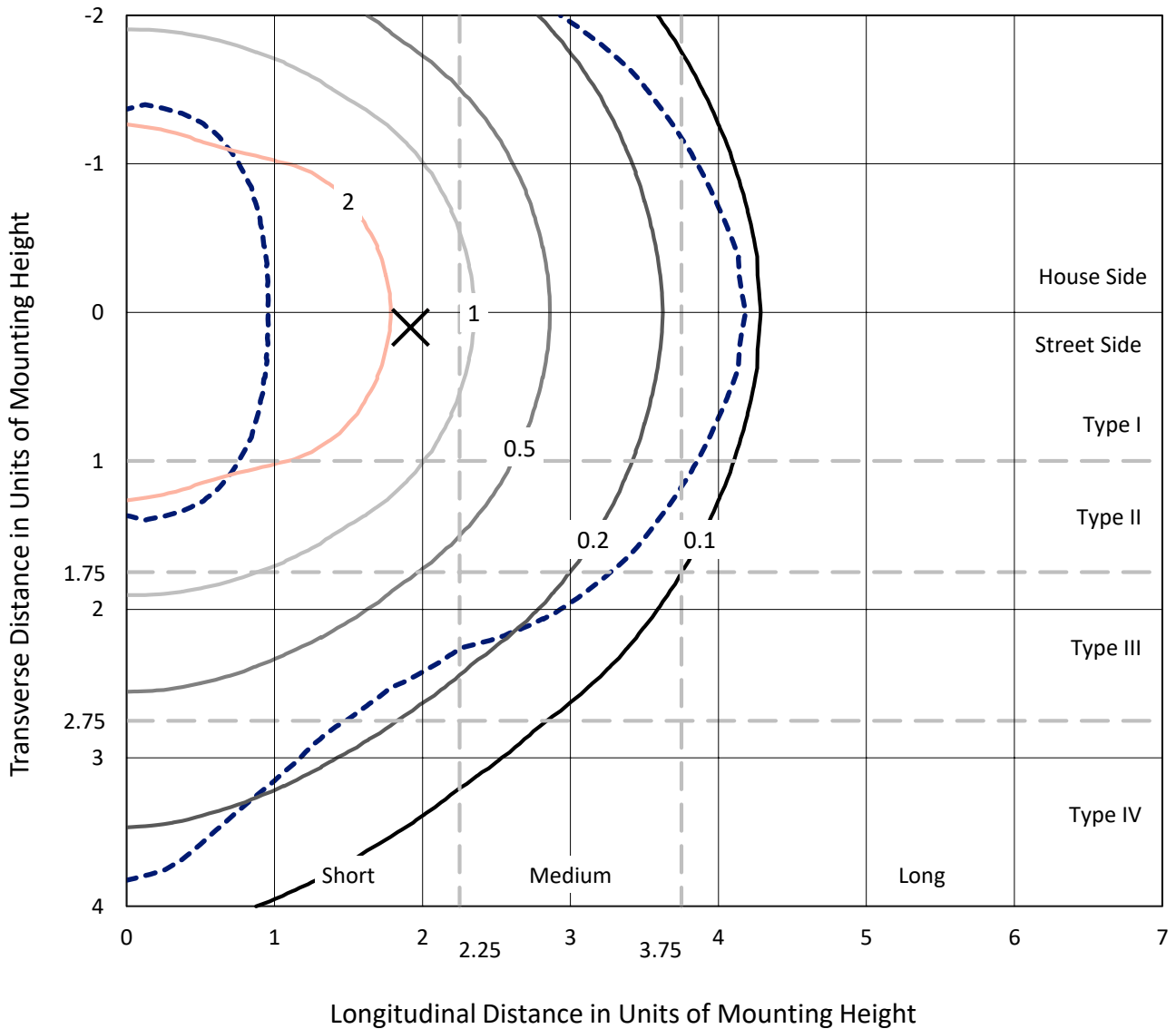


REPORT NUMBER: P198072

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Iso-Footcandle Lines of Horizontal Illumination

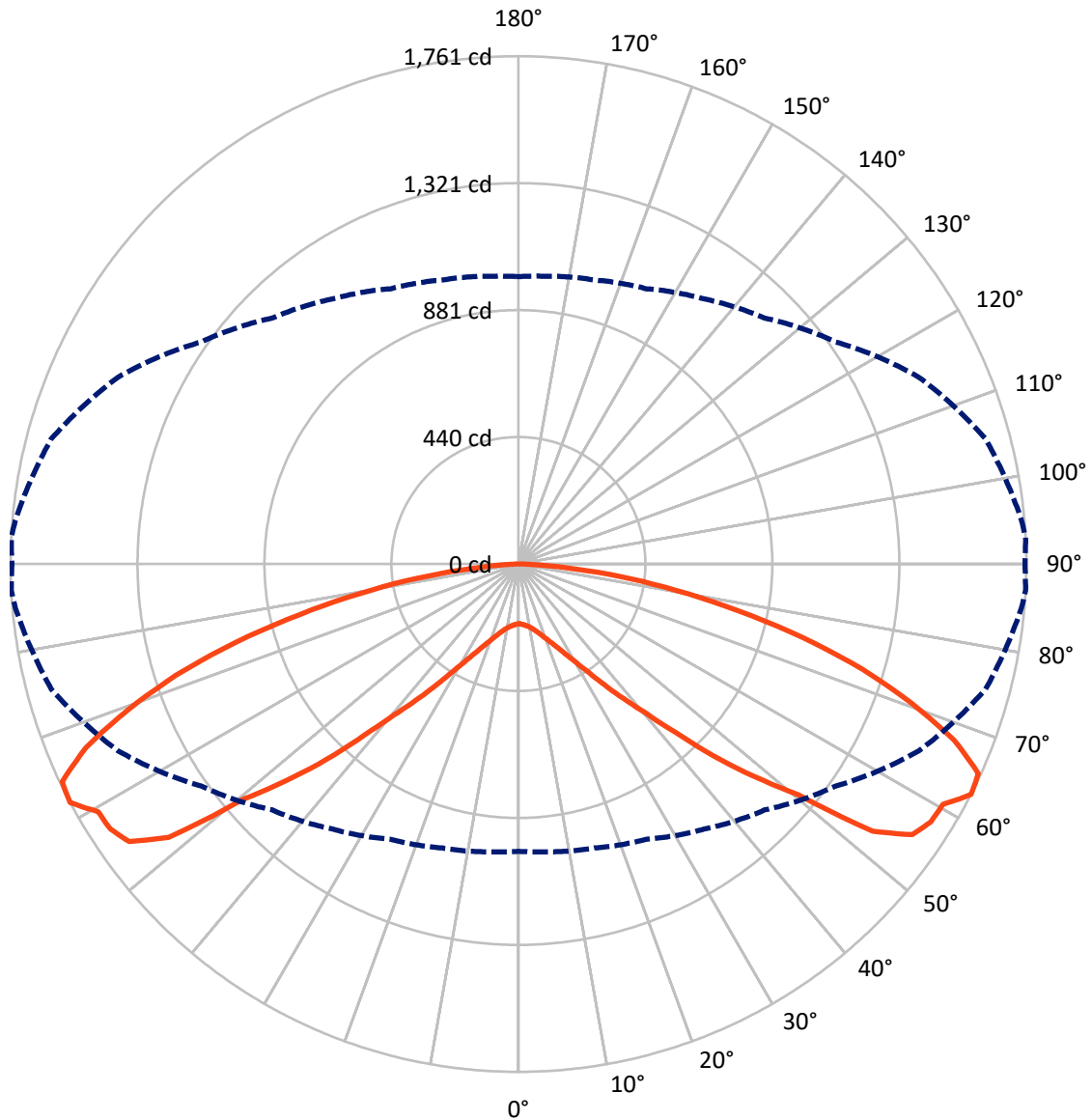
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198072
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Luminous Intensity Polar Plot



— Vertical Plane Through 87-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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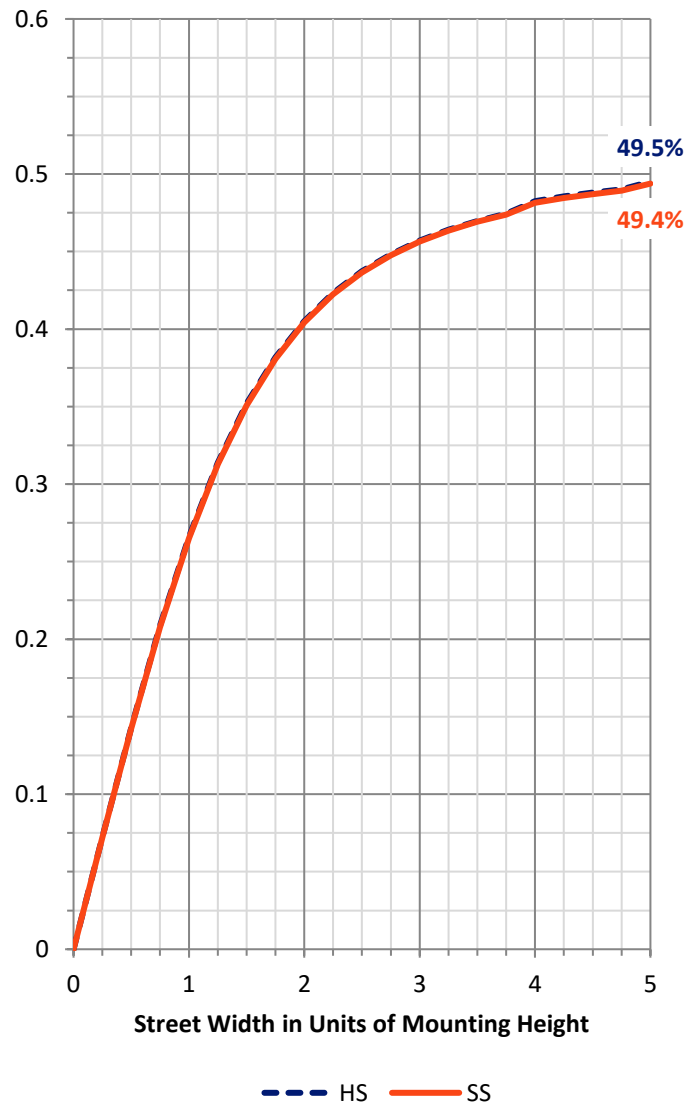
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2263.6 | 0.0 | 2263.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2263.6 | 0.0 | 2263.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4527.2 | 0.0 | 4527.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.7 | 0.5 |
| 10°-20° | 71.5 | 1.6 |
| 20°-30° | 157.8 | 3.5 |
| 30°-40° | 317.8 | 7.0 |
| 40°-50° | 606.1 | 13.4 |
| 50°-60° | 1037.8 | 22.9 |
| 60°-70° | 1257.3 | 27.8 |
| 70°-80° | 871.1 | 19.2 |
| 80°-90° | 187.2 | 4.1 |
| 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° | 4527.2 | 100.0 |
| 0°-180° | 4527.2 | 100.0 |



REPORT NUMBER: P198072

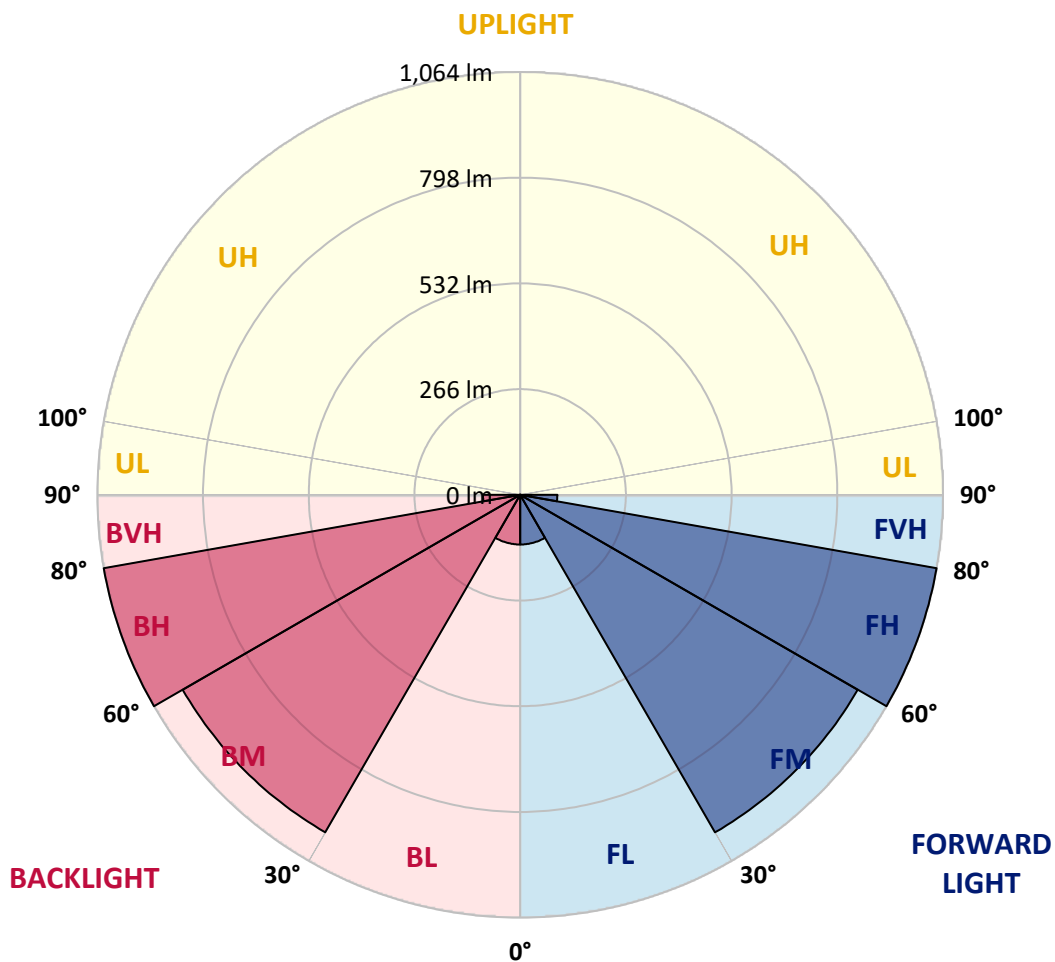
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 125.0 | 2.8 | | | |
| FM | (30°-60°) | 980.8 | 21.7 | | | |
| FH | (60°-80°) | 1064.2 | 23.5 | | | G1/1800 |
| FVH | (80°-90°) | 93.6 | 2.1 | | | G1/100 |
| BL | (0°-30°) | 125.0 | 2.8 | B1/500 | | |
| BM | (30°-60°) | 980.8 | 21.7 | B1/1000 | | |
| BH | (60°-80°) | 1064.2 | 23.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 93.6 | 2.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P198072

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 87° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 | 206.5 |
| 2.5° | 208.3 | 208.3 | 209.2 | 209.2 | 209.2 | 209.2 | 209.2 | 209.2 | 209.2 | 209.2 | 209.2 |
| 5° | 212.0 | 212.0 | 212.0 | 213.0 | 213.0 | 213.0 | 213.0 | 213.0 | 212.0 | 212.0 | 212.0 |
| 7.5° | 217.6 | 217.6 | 217.6 | 218.5 | 218.5 | 218.5 | 217.6 | 217.6 | 216.7 | 216.7 | 216.7 |
| 10° | 225.0 | 225.0 | 225.9 | 225.9 | 225.0 | 225.0 | 224.1 | 223.1 | 224.1 | 223.1 | 223.1 |
| 12.5° | 235.2 | 237.0 | 236.1 | 236.1 | 234.2 | 234.2 | 233.3 | 233.3 | 233.3 | 232.4 | 232.4 |
| 15° | 250.0 | 250.0 | 250.9 | 249.1 | 249.1 | 246.3 | 245.4 | 244.4 | 245.4 | 245.4 | 244.4 |
| 17.5° | 267.6 | 267.6 | 267.6 | 264.8 | 262.9 | 261.1 | 260.2 | 259.2 | 258.3 | 259.2 | 259.2 |
| 20° | 294.4 | 292.6 | 288.9 | 287.0 | 282.4 | 280.5 | 278.7 | 277.8 | 276.8 | 276.8 | 276.8 |
| 22.5° | 322.2 | 320.4 | 315.7 | 312.0 | 308.3 | 303.7 | 301.8 | 298.1 | 297.2 | 299.1 | 298.1 |
| 25° | 349.1 | 351.8 | 346.3 | 341.6 | 338.9 | 331.5 | 326.8 | 325.9 | 324.1 | 323.1 | 324.1 |
| 27.5° | 382.4 | 384.2 | 379.6 | 373.1 | 367.6 | 362.0 | 357.4 | 355.5 | 356.5 | 356.5 | 357.4 |
| 30° | 419.4 | 423.1 | 415.7 | 412.0 | 403.7 | 396.3 | 392.6 | 394.4 | 396.3 | 399.1 | 398.1 |
| 32.5° | 462.0 | 462.0 | 458.3 | 451.8 | 442.6 | 436.1 | 434.2 | 437.0 | 445.3 | 449.0 | 448.1 |
| 35° | 512.0 | 508.3 | 504.6 | 496.3 | 484.2 | 480.5 | 484.2 | 493.5 | 505.5 | 512.0 | 515.7 |
| 37.5° | 563.9 | 556.5 | 550.9 | 541.6 | 536.1 | 534.2 | 542.6 | 560.2 | 573.1 | 585.2 | 590.7 |
| 40° | 608.3 | 608.3 | 600.9 | 590.7 | 585.2 | 593.5 | 606.4 | 631.4 | 656.4 | 669.4 | 678.7 |
| 42.5° | 652.7 | 658.3 | 650.0 | 641.6 | 641.6 | 652.7 | 677.7 | 716.6 | 763.8 | 791.6 | 796.3 |
| 45° | 699.0 | 709.2 | 698.1 | 692.6 | 698.1 | 720.3 | 767.6 | 842.5 | 912.9 | 958.3 | 950.9 |
| 47.5° | 747.2 | 756.4 | 746.3 | 743.5 | 756.4 | 796.3 | 868.5 | 964.8 | 1035.1 | 1082.3 | 1100.9 |
| 50° | 806.4 | 800.0 | 796.3 | 795.3 | 822.2 | 881.4 | 974.9 | 1078.6 | 1191.6 | 1234.2 | 1257.3 |
| 52.5° | 856.4 | 845.3 | 843.5 | 850.0 | 894.4 | 965.7 | 1082.3 | 1273.1 | 1429.6 | 1535.1 | 1538.8 |
| 55° | 900.0 | 887.9 | 894.4 | 910.1 | 970.3 | 1069.4 | 1216.6 | 1439.7 | 1572.1 | 1650.8 | 1657.3 |
| 57.5° | 937.0 | 930.5 | 941.6 | 962.9 | 1040.7 | 1159.2 | 1324.0 | 1508.3 | 1617.5 | 1680.5 | 1686.9 |
| 60° | 970.3 | 969.4 | 981.4 | 1017.5 | 1104.6 | 1212.0 | 1348.1 | 1512.9 | 1626.8 | 1683.2 | 1691.6 |
| 62.5° | 996.2 | 1001.8 | 1019.4 | 1052.7 | 1122.2 | 1206.4 | 1342.5 | 1532.3 | 1676.8 | 1750.8 | 1761.0 |
| 65° | 1018.5 | 1024.0 | 1041.6 | 1052.7 | 1114.8 | 1195.3 | 1373.1 | 1545.3 | 1669.4 | 1746.2 | 1752.7 |
| 67.5° | 1030.5 | 1037.0 | 1034.2 | 1036.1 | 1084.2 | 1147.2 | 1300.9 | 1449.0 | 1550.8 | 1621.2 | 1629.5 |
| 70° | 1028.6 | 1023.1 | 1000.9 | 977.7 | 987.9 | 1032.4 | 1171.2 | 1295.3 | 1387.9 | 1443.4 | 1446.2 |
| 72.5° | 989.8 | 980.5 | 927.7 | 874.0 | 858.3 | 887.9 | 1009.2 | 1102.7 | 1181.4 | 1232.3 | 1248.1 |
| 75° | 901.8 | 883.3 | 806.4 | 737.0 | 701.8 | 724.0 | 817.5 | 899.0 | 957.4 | 1007.4 | 1017.5 |
| 77.5° | 741.6 | 730.5 | 653.7 | 577.7 | 538.9 | 553.7 | 627.7 | 675.9 | 738.8 | 790.7 | 777.7 |
| 80° | 539.8 | 537.9 | 475.9 | 408.3 | 380.5 | 387.0 | 426.8 | 474.0 | 513.9 | 552.7 | 554.6 |
| 82.5° | 352.8 | 347.2 | 305.5 | 256.5 | 227.8 | 231.5 | 256.5 | 281.5 | 319.4 | 344.4 | 351.8 |
| 85° | 175.0 | 172.2 | 153.7 | 123.1 | 107.4 | 107.4 | 119.4 | 134.3 | 152.8 | 163.9 | 163.0 |
| 87.5° | 48.1 | 43.5 | 42.6 | 31.5 | 25.9 | 27.8 | 27.8 | 30.6 | 38.9 | 41.7 | 44.4 |
| 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° | 206.5 |
| 2.5° | 209.2 |
| 5° | 212.0 |
| 7.5° | 216.7 |
| 10° | 224.1 |
| 12.5° | 232.4 |
| 15° | 244.4 |
| 17.5° | 258.3 |
| 20° | 276.8 |
| 22.5° | 300.0 |
| 25° | 324.1 |
| 27.5° | 356.5 |
| 30° | 399.1 |
| 32.5° | 449.0 |
| 35° | 513.9 |
| 37.5° | 586.1 |
| 40° | 675.0 |
| 42.5° | 791.6 |
| 45° | 959.2 |
| 47.5° | 1091.6 |
| 50° | 1245.3 |
| 52.5° | 1544.4 |
| 55° | 1659.2 |
| 57.5° | 1688.8 |
| 60° | 1692.5 |
| 62.5° | 1756.4 |
| 65° | 1760.1 |
| 67.5° | 1623.1 |
| 70° | 1450.8 |
| 72.5° | 1246.2 |
| 75° | 1024.9 |
| 77.5° | 791.6 |
| 80° | 553.7 |
| 82.5° | 346.3 |
| 85° | 162.0 |
| 87.5° | 40.7 |
| 90° | 0.0 |

(END OF REPORT)