

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: P198009

Luminaire Tested: **TT-C6-LED-E1-RW-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198009
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-C6-LED-E1-RW-PM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7518.7 lumens
Efficiency: N/A
Efficacy: 69.6 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): 108
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

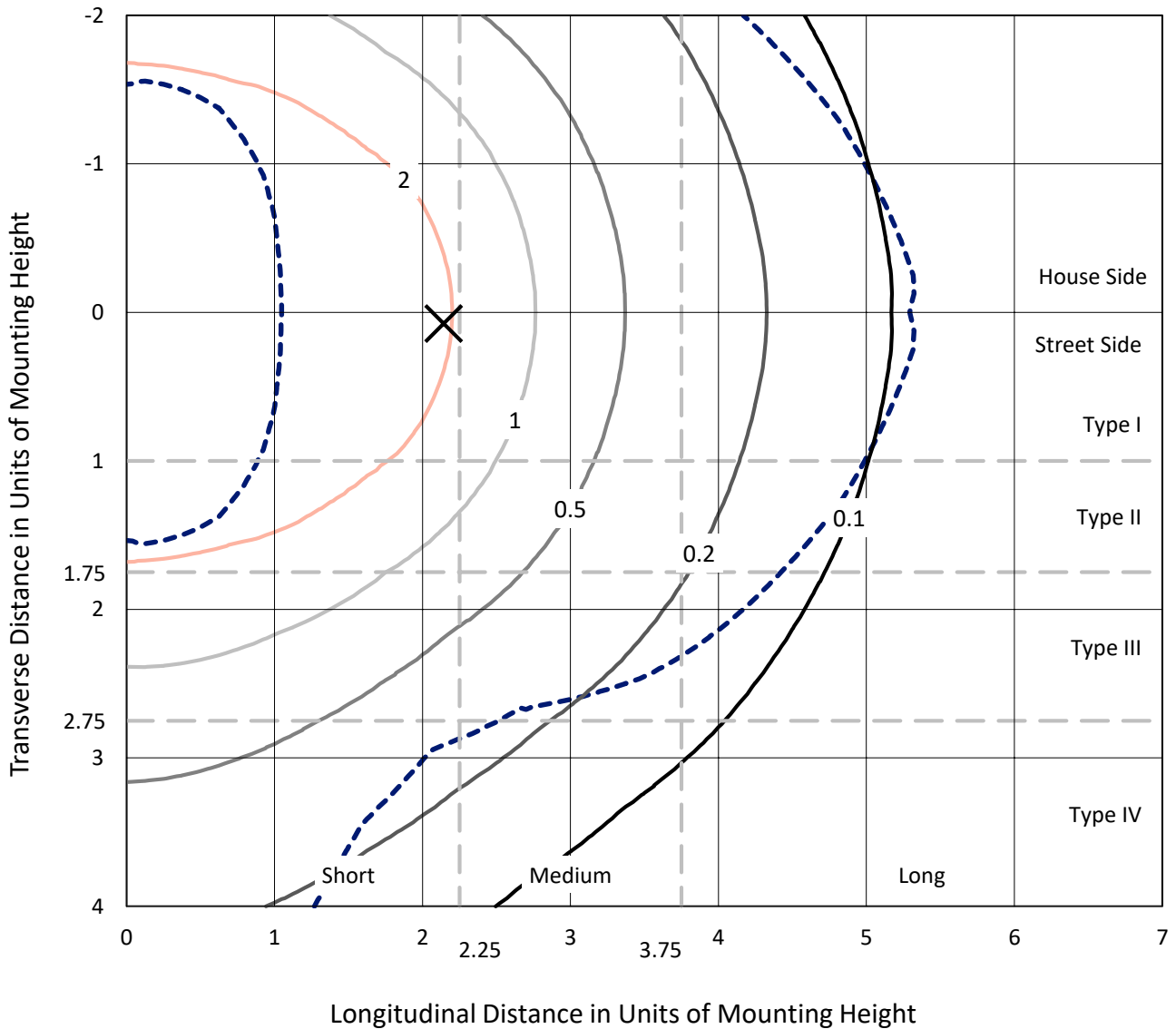


REPORT NUMBER: P198009

CATALOG NUMBER: TT-C6-LED-E1-RW-PM-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

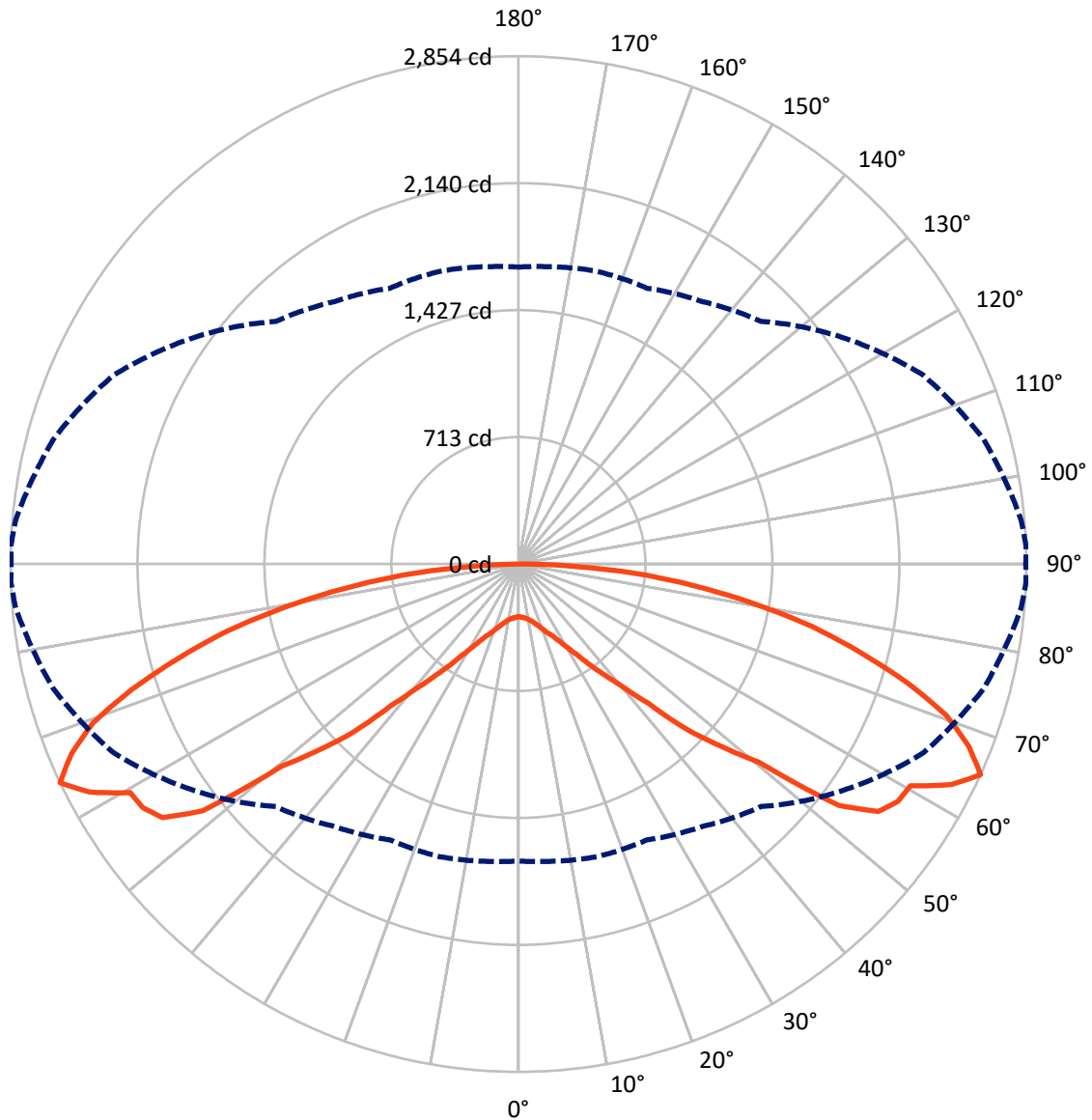


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P198009

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Luminous Intensity Polar Plot



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

REPORT NUMBER: P198009

CATALOG NUMBER: TT-C6-LED-E1-RW-PM-8030

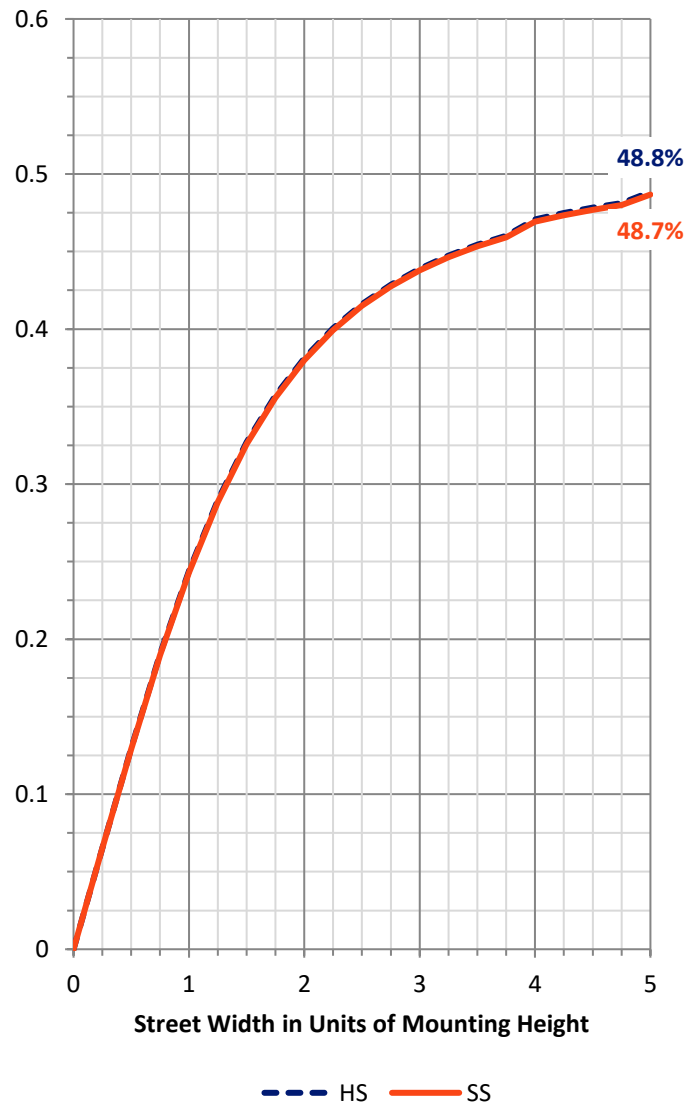
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3759.3 | 0.0 | 3759.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3759.3 | 0.0 | 3759.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7518.7 | 0.0 | 7518.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.5 | 0.4 |
| 10°-20° | 102.4 | 1.4 |
| 20°-30° | 226.1 | 3.0 |
| 30°-40° | 450.6 | 6.0 |
| 40°-50° | 862.5 | 11.5 |
| 50°-60° | 1543.8 | 20.5 |
| 60°-70° | 2045.7 | 27.2 |
| 70°-80° | 1707.2 | 22.7 |
| 80°-90° | 550.8 | 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° | 7518.7 | 100.0 |
| 0°-180° | 7518.7 | 100.0 |



REPORT NUMBER: P198009

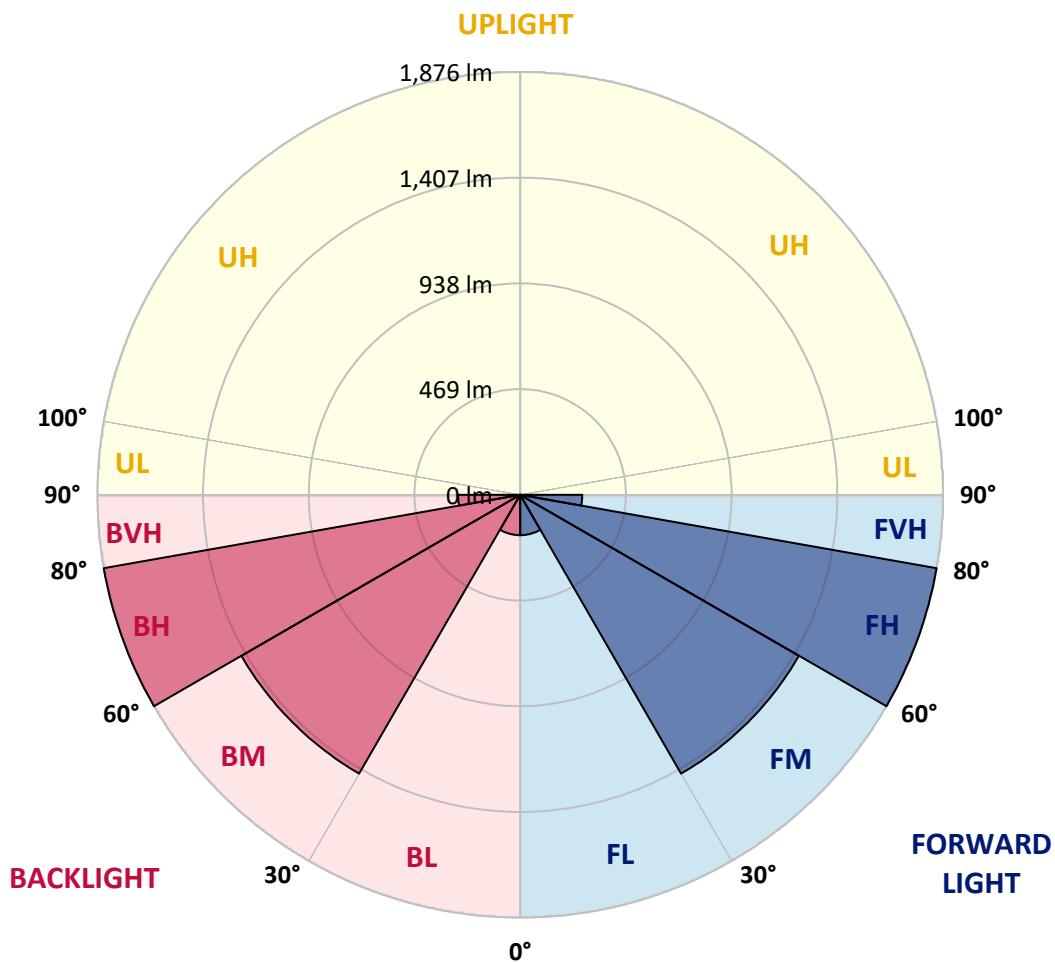
CATALOG NUMBER: TT-C6-LED-E1-RW-PM-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 179.0 | 2.4 | | | |
| FM (30°-60°) | 1428.5 | 19.0 | | | |
| FH (60°-80°) | 1876.5 | 25.0 | | | G2/5000 |
| FVH (80°-90°) | 275.4 | 3.7 | | | G3/500 |
| BL (0°-30°) | 179.0 | 2.4 | B1/500 | | |
| BM (30°-60°) | 1428.5 | 19.0 | B2/2500 | | |
| BH (60°-80°) | 1876.5 | 25.0 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 275.4 | 3.7 | | | G3/500 |
| 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: P198009

CATALOG NUMBER: TT-C6-LED-E1-RW-PM-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 88° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 |
| 2.5° | 297.4 | 297.4 | 297.4 | 297.4 | 298.8 | 298.8 | 298.8 | 298.8 | 298.8 | 298.8 | 298.8 |
| 5° | 301.8 | 301.8 | 303.3 | 303.3 | 304.8 | 304.8 | 304.8 | 304.8 | 303.3 | 303.3 | 303.3 |
| 7.5° | 309.2 | 310.7 | 312.2 | 312.2 | 312.2 | 310.7 | 309.2 | 309.2 | 307.7 | 307.7 | 307.7 |
| 10° | 322.5 | 322.5 | 324.0 | 324.0 | 322.5 | 321.0 | 319.6 | 318.1 | 318.1 | 318.1 | 316.6 |
| 12.5° | 338.8 | 338.8 | 340.3 | 338.8 | 335.8 | 334.3 | 331.4 | 329.9 | 329.9 | 328.4 | 328.4 |
| 15° | 361.0 | 363.9 | 363.9 | 359.5 | 355.1 | 350.6 | 349.1 | 346.2 | 346.2 | 346.2 | 346.2 |
| 17.5° | 395.0 | 393.5 | 387.6 | 383.2 | 380.2 | 372.8 | 369.9 | 368.4 | 365.4 | 365.4 | 365.4 |
| 20° | 433.5 | 430.5 | 423.1 | 417.2 | 411.3 | 402.4 | 396.5 | 393.5 | 392.0 | 390.6 | 390.6 |
| 22.5° | 476.4 | 471.9 | 461.6 | 457.1 | 445.3 | 436.4 | 429.0 | 423.1 | 418.7 | 417.2 | 420.2 |
| 25° | 520.8 | 520.8 | 511.9 | 500.0 | 488.2 | 474.9 | 464.5 | 457.1 | 451.2 | 449.7 | 448.3 |
| 27.5° | 568.1 | 571.1 | 559.2 | 547.4 | 534.1 | 516.3 | 506.0 | 495.6 | 494.1 | 492.6 | 491.2 |
| 30° | 618.4 | 624.3 | 612.5 | 600.6 | 582.9 | 565.1 | 551.8 | 547.4 | 542.9 | 545.9 | 545.9 |
| 32.5° | 680.5 | 683.5 | 670.2 | 661.3 | 637.6 | 619.9 | 608.0 | 605.1 | 606.6 | 605.1 | 609.5 |
| 35° | 753.0 | 748.6 | 738.2 | 720.5 | 699.8 | 683.5 | 674.6 | 680.5 | 696.8 | 702.7 | 699.8 |
| 37.5° | 832.9 | 816.6 | 810.7 | 788.5 | 769.3 | 756.0 | 758.9 | 773.7 | 787.1 | 797.4 | 794.4 |
| 40° | 892.1 | 895.0 | 878.8 | 858.1 | 840.3 | 837.4 | 853.6 | 872.9 | 898.0 | 906.9 | 909.8 |
| 42.5° | 952.7 | 970.5 | 951.3 | 930.6 | 921.7 | 927.6 | 951.3 | 989.7 | 1046.0 | 1075.5 | 1071.1 |
| 45° | 1022.3 | 1041.5 | 1020.8 | 1004.5 | 1003.0 | 1025.2 | 1077.0 | 1177.6 | 1260.5 | 1319.6 | 1325.6 |
| 47.5° | 1094.8 | 1109.6 | 1090.3 | 1080.0 | 1094.8 | 1137.7 | 1226.4 | 1361.1 | 1449.8 | 1519.4 | 1531.2 |
| 50° | 1186.5 | 1180.6 | 1165.8 | 1164.3 | 1196.9 | 1275.3 | 1395.1 | 1531.2 | 1691.0 | 1736.8 | 1751.6 |
| 52.5° | 1276.7 | 1254.5 | 1251.6 | 1259.0 | 1316.7 | 1405.5 | 1565.2 | 1833.0 | 2068.2 | 2233.9 | 2251.7 |
| 55° | 1361.1 | 1335.9 | 1341.8 | 1361.1 | 1442.4 | 1577.1 | 1799.0 | 2125.9 | 2331.6 | 2448.4 | 2454.4 |
| 57.5° | 1438.0 | 1423.2 | 1436.5 | 1463.1 | 1584.5 | 1757.6 | 1992.8 | 2262.0 | 2417.4 | 2500.2 | 2515.0 |
| 60° | 1516.4 | 1513.4 | 1529.7 | 1578.5 | 1708.7 | 1862.6 | 2059.4 | 2297.5 | 2452.9 | 2516.5 | 2531.3 |
| 62.5° | 1590.4 | 1600.7 | 1621.4 | 1668.8 | 1769.4 | 1889.2 | 2080.1 | 2371.5 | 2603.8 | 2704.4 | 2729.5 |
| 65° | 1668.8 | 1677.7 | 1702.8 | 1710.2 | 1800.5 | 1927.7 | 2220.6 | 2510.6 | 2705.9 | 2836.1 | 2853.8 |
| 67.5° | 1739.8 | 1751.6 | 1742.8 | 1736.8 | 1815.3 | 1927.7 | 2192.5 | 2447.0 | 2609.7 | 2708.8 | 2728.1 |
| 70° | 1807.9 | 1794.5 | 1759.0 | 1713.2 | 1735.4 | 1812.3 | 2054.9 | 2275.4 | 2439.6 | 2532.8 | 2552.0 |
| 72.5° | 1825.6 | 1807.9 | 1713.2 | 1608.1 | 1575.6 | 1633.3 | 1856.7 | 2052.0 | 2186.6 | 2273.9 | 2285.7 |
| 75° | 1779.7 | 1742.8 | 1583.0 | 1438.0 | 1375.9 | 1433.6 | 1620.0 | 1787.1 | 1881.8 | 1976.5 | 1983.9 |
| 77.5° | 1596.3 | 1572.6 | 1395.1 | 1219.0 | 1149.5 | 1192.4 | 1347.8 | 1466.1 | 1575.6 | 1667.3 | 1685.1 |
| 80° | 1310.8 | 1290.1 | 1133.2 | 989.7 | 896.5 | 926.1 | 1040.0 | 1134.7 | 1239.8 | 1312.2 | 1334.4 |
| 82.5° | 964.6 | 961.6 | 849.2 | 714.6 | 649.5 | 646.5 | 732.3 | 825.5 | 905.4 | 974.9 | 989.7 |
| 85° | 606.6 | 606.6 | 529.6 | 448.3 | 380.2 | 381.7 | 433.5 | 501.5 | 602.1 | 646.5 | 650.9 |
| 87.5° | 205.6 | 195.3 | 182.0 | 147.9 | 118.4 | 106.5 | 113.9 | 130.2 | 198.2 | 245.6 | 254.5 |
| 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° | 294.4 |
| 2.5° | 298.8 |
| 5° | 303.3 |
| 7.5° | 307.7 |
| 10° | 316.6 |
| 12.5° | 329.9 |
| 15° | 344.7 |
| 17.5° | 365.4 |
| 20° | 390.6 |
| 22.5° | 418.7 |
| 25° | 448.3 |
| 27.5° | 492.6 |
| 30° | 544.4 |
| 32.5° | 608.0 |
| 35° | 701.2 |
| 37.5° | 797.4 |
| 40° | 917.2 |
| 42.5° | 1082.9 |
| 45° | 1310.8 |
| 47.5° | 1531.2 |
| 50° | 1735.4 |
| 52.5° | 2214.7 |
| 55° | 2460.3 |
| 57.5° | 2513.5 |
| 60° | 2526.9 |
| 62.5° | 2716.2 |
| 65° | 2850.8 |
| 67.5° | 2726.6 |
| 70° | 2547.6 |
| 72.5° | 2276.8 |
| 75° | 1995.7 |
| 77.5° | 1685.1 |
| 80° | 1316.7 |
| 82.5° | 989.7 |
| 85° | 640.6 |
| 87.5° | 247.1 |
| 90° | 0.0 |

(END OF REPORT)