

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: P197793

Luminaire Tested: **TT-C6-LED-E1-5WQ-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34714)
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-E1-5WQ-PM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8553.9 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

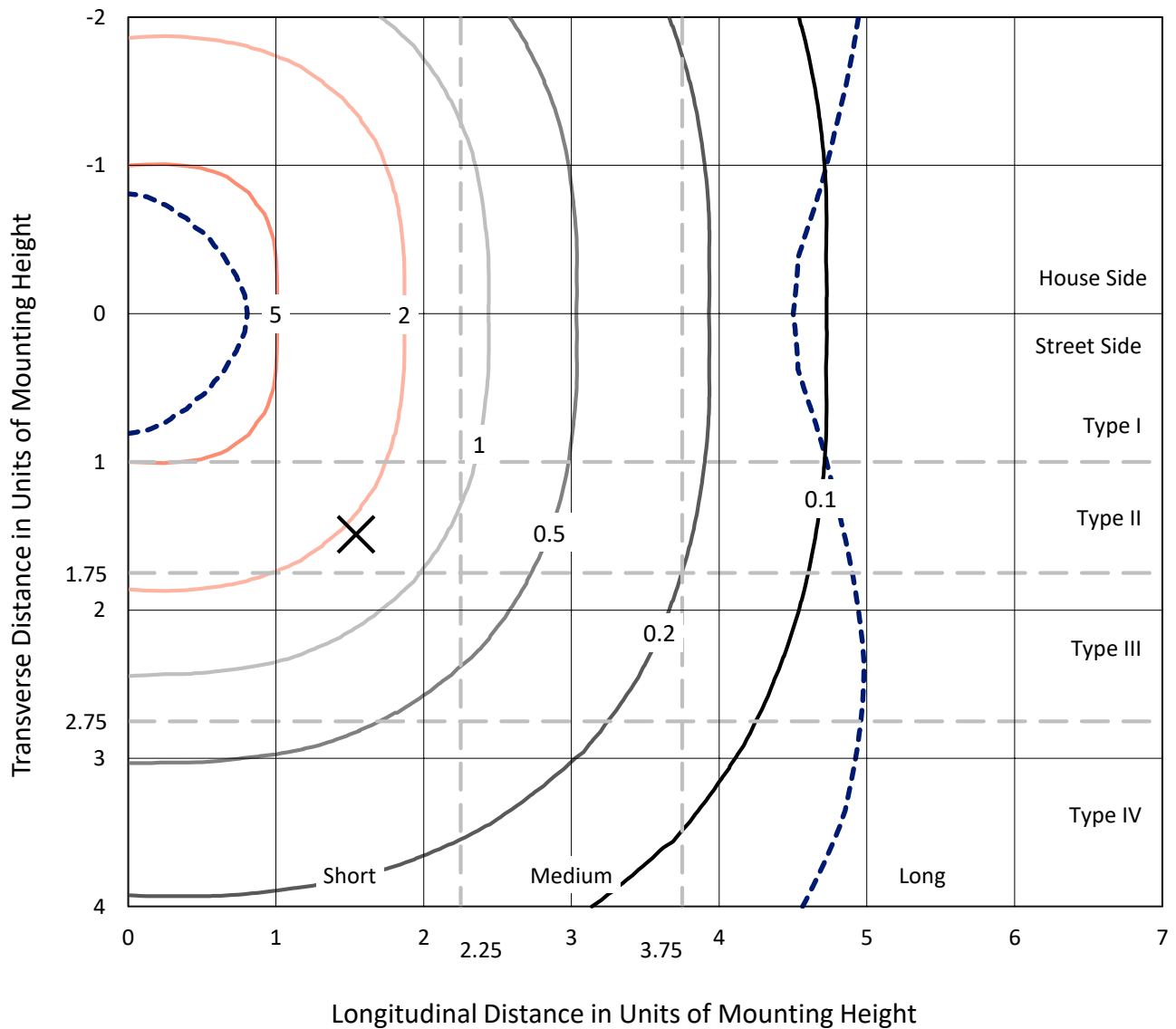
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

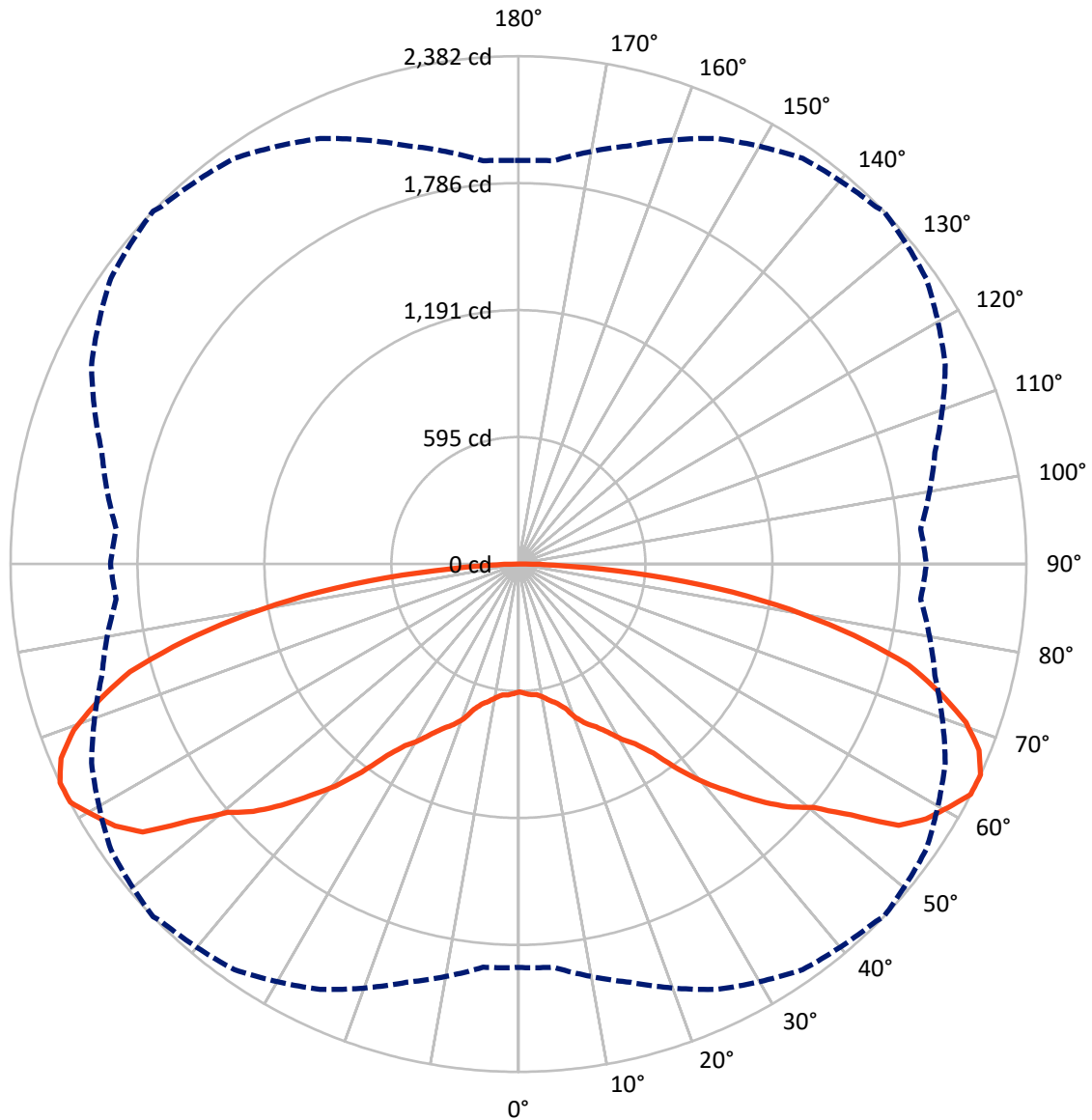
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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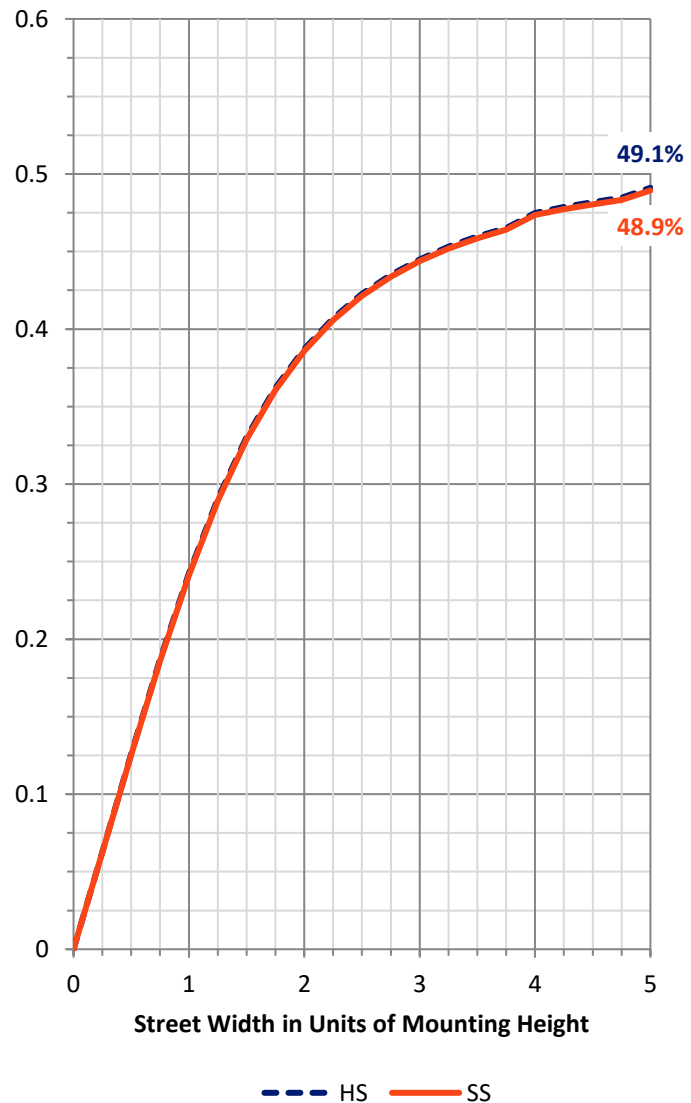
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4276.9 | 0.0 | 4276.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4276.9 | 0.0 | 4276.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 8553.9 | 0.0 | 8553.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.3 | 0.7 |
| 10°-20° | 197.5 | 2.3 |
| 20°-30° | 397.4 | 4.6 |
| 30°-40° | 692.0 | 8.1 |
| 40°-50° | 1170.3 | 13.7 |
| 50°-60° | 1744.4 | 20.4 |
| 60°-70° | 2087.7 | 24.4 |
| 70°-80° | 1690.3 | 19.8 |
| 80°-90° | 515.0 | 6.0 |
| 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° | 8553.9 | 100.0 |
| 0°-180° | 8553.9 | 100.0 |



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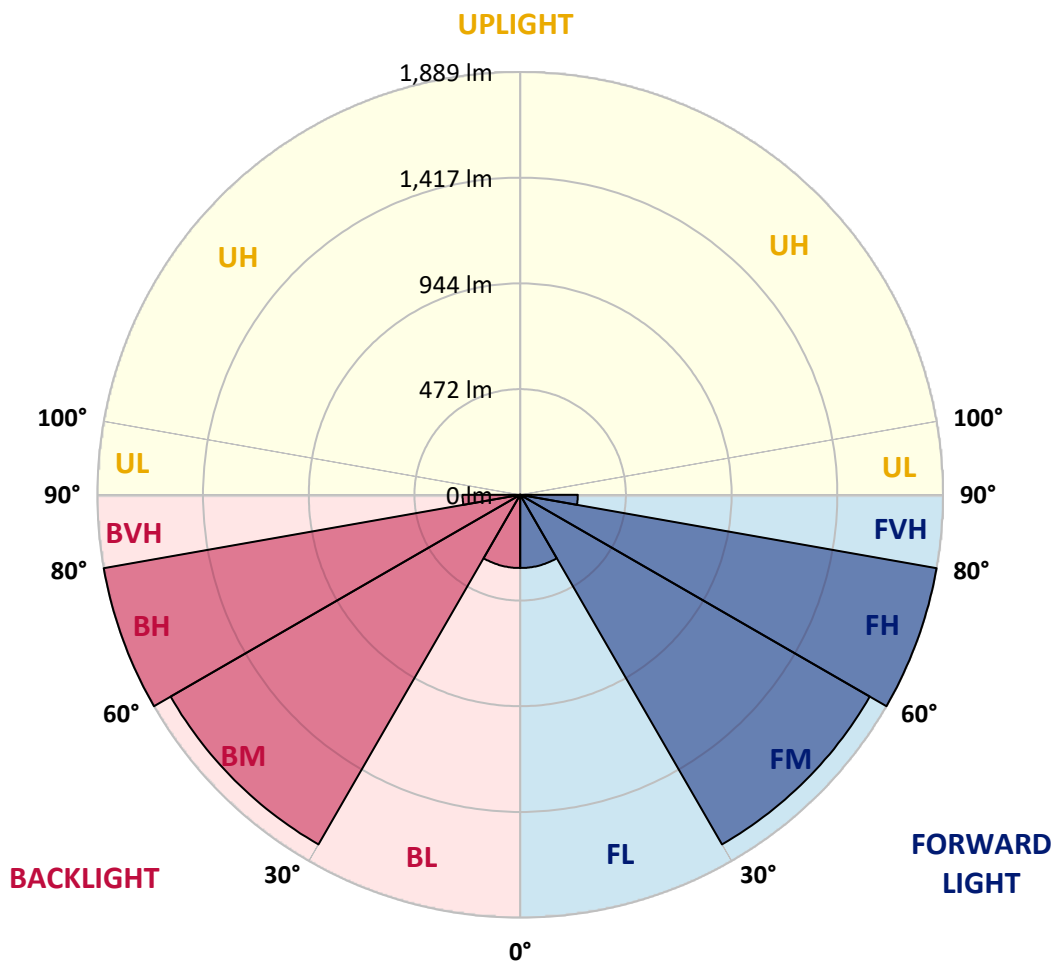
CATALOG NUMBER: TT-C6-LED-E1-5WQ-PM-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 327.1 | 3.8 | | | |
| FM | (30°-60°) | 1803.4 | 21.1 | | | |
| FH | (60°-80°) | 1889.0 | 22.1 | | | G2/5000 |
| FVH | (80°-90°) | 257.5 | 3.0 | | | G3/500 |
| BL | (0°-30°) | 327.1 | 3.8 | B1/500 | | |
| BM | (30°-60°) | 1803.4 | 21.1 | B2/2500 | | |
| BH | (60°-80°) | 1889.0 | 22.1 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 257.5 | 3.0 | | | 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 V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 | 599.2 |
| 2.5° | 609.5 | 608.0 | 608.0 | 608.0 | 608.0 | 608.0 | 608.0 | 608.0 | 608.0 | 608.0 | 609.5 |
| 5° | 619.9 | 619.9 | 618.4 | 616.9 | 616.9 | 615.4 | 615.4 | 615.4 | 616.9 | 618.4 | 618.4 |
| 7.5° | 624.3 | 622.8 | 622.8 | 621.4 | 619.9 | 619.9 | 618.4 | 619.9 | 621.4 | 622.8 | 622.8 |
| 10° | 633.2 | 634.7 | 636.2 | 637.6 | 639.1 | 637.6 | 634.7 | 637.6 | 637.6 | 636.2 | 633.2 |
| 12.5° | 653.9 | 653.9 | 658.3 | 662.8 | 662.8 | 661.3 | 656.9 | 662.8 | 661.3 | 656.9 | 653.9 |
| 15° | 682.0 | 683.5 | 683.5 | 687.9 | 685.0 | 682.0 | 677.6 | 685.0 | 685.0 | 682.0 | 680.5 |
| 17.5° | 722.0 | 719.0 | 714.6 | 717.5 | 720.5 | 720.5 | 711.6 | 720.5 | 714.6 | 711.6 | 716.0 |
| 20° | 766.3 | 764.9 | 763.4 | 766.3 | 778.2 | 773.7 | 769.3 | 775.2 | 767.8 | 757.5 | 760.4 |
| 22.5° | 800.4 | 803.3 | 807.8 | 812.2 | 824.0 | 821.1 | 812.2 | 822.6 | 810.7 | 807.8 | 798.9 |
| 25° | 843.3 | 841.8 | 853.6 | 853.6 | 861.0 | 856.6 | 846.2 | 861.0 | 849.2 | 853.6 | 840.3 |
| 27.5° | 886.2 | 884.7 | 893.6 | 893.6 | 906.9 | 905.4 | 892.1 | 906.9 | 893.6 | 890.6 | 886.2 |
| 30° | 935.0 | 932.0 | 933.5 | 945.4 | 964.6 | 964.6 | 952.7 | 960.1 | 945.4 | 930.6 | 929.1 |
| 32.5° | 986.8 | 980.9 | 989.7 | 1009.0 | 1019.3 | 1016.4 | 1004.5 | 1016.4 | 1011.9 | 986.8 | 980.9 |
| 35° | 1037.1 | 1044.5 | 1060.7 | 1077.0 | 1096.3 | 1099.2 | 1088.9 | 1094.8 | 1078.5 | 1059.3 | 1044.5 |
| 37.5° | 1121.4 | 1133.2 | 1153.9 | 1192.4 | 1222.0 | 1230.9 | 1222.0 | 1219.0 | 1195.4 | 1152.5 | 1131.8 |
| 40° | 1239.8 | 1242.7 | 1270.8 | 1328.5 | 1359.6 | 1365.5 | 1349.2 | 1353.7 | 1325.6 | 1278.2 | 1233.8 |
| 42.5° | 1335.9 | 1331.5 | 1381.8 | 1433.6 | 1466.1 | 1479.4 | 1461.7 | 1467.6 | 1429.1 | 1383.3 | 1334.4 |
| 45° | 1414.3 | 1418.8 | 1470.5 | 1522.3 | 1574.1 | 1599.3 | 1585.9 | 1575.6 | 1519.4 | 1467.6 | 1424.7 |
| 47.5° | 1486.8 | 1507.5 | 1543.0 | 1618.5 | 1683.6 | 1711.7 | 1701.3 | 1686.5 | 1627.4 | 1541.6 | 1509.0 |
| 50° | 1578.5 | 1591.9 | 1634.8 | 1732.4 | 1793.1 | 1803.4 | 1794.5 | 1794.5 | 1738.3 | 1639.2 | 1594.8 |
| 52.5° | 1677.7 | 1679.1 | 1742.8 | 1843.4 | 1920.3 | 1961.7 | 1954.3 | 1933.6 | 1844.8 | 1757.6 | 1685.1 |
| 55° | 1796.0 | 1779.7 | 1878.9 | 1983.9 | 2099.3 | 2167.4 | 2164.4 | 2120.0 | 1998.7 | 1883.3 | 1787.1 |
| 57.5° | 1862.6 | 1865.6 | 1955.8 | 2114.1 | 2225.0 | 2244.3 | 2254.6 | 2228.0 | 2136.3 | 1958.8 | 1883.3 |
| 60° | 1877.4 | 1912.9 | 1995.7 | 2170.3 | 2257.6 | 2313.8 | 2316.8 | 2272.4 | 2176.2 | 2007.6 | 1927.7 |
| 62.5° | 1883.3 | 1926.2 | 2028.3 | 2167.4 | 2315.3 | 2370.0 | 2380.4 | 2334.5 | 2179.2 | 2032.7 | 1915.9 |
| 65° | 1892.2 | 1898.1 | 2031.2 | 2201.4 | 2322.7 | 2370.0 | 2381.9 | 2334.5 | 2208.8 | 2022.4 | 1893.7 |
| 67.5° | 1855.2 | 1840.4 | 1957.3 | 2142.2 | 2260.6 | 2316.8 | 2330.1 | 2273.9 | 2146.6 | 1960.2 | 1859.6 |
| 70° | 1722.0 | 1728.0 | 1858.2 | 2034.2 | 2164.4 | 2217.7 | 2226.5 | 2165.9 | 2032.7 | 1871.5 | 1754.6 |
| 72.5° | 1581.5 | 1596.3 | 1705.8 | 1883.3 | 2000.2 | 2052.0 | 2068.2 | 2004.6 | 1892.2 | 1726.5 | 1605.2 |
| 75° | 1386.2 | 1414.3 | 1519.4 | 1679.1 | 1796.0 | 1874.4 | 1890.7 | 1807.9 | 1673.2 | 1529.7 | 1412.8 |
| 77.5° | 1170.2 | 1189.5 | 1290.1 | 1427.6 | 1553.4 | 1593.3 | 1608.1 | 1568.2 | 1435.0 | 1307.8 | 1198.3 |
| 80° | 920.2 | 927.6 | 1029.7 | 1139.2 | 1236.8 | 1269.3 | 1291.5 | 1241.2 | 1151.0 | 1035.6 | 929.1 |
| 82.5° | 631.7 | 642.1 | 714.6 | 815.2 | 901.0 | 914.3 | 942.4 | 901.0 | 816.6 | 727.9 | 648.0 |
| 85° | 328.4 | 343.2 | 399.4 | 454.2 | 520.8 | 537.0 | 545.9 | 514.8 | 470.5 | 398.0 | 344.7 |
| 87.5° | 71.0 | 78.4 | 87.3 | 112.4 | 134.6 | 153.9 | 167.2 | 139.1 | 111.0 | 93.2 | 71.0 |
| 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° | 599.2 |
| 2.5° | 608.0 |
| 5° | 618.4 |
| 7.5° | 622.8 |
| 10° | 633.2 |
| 12.5° | 652.4 |
| 15° | 682.0 |
| 17.5° | 719.0 |
| 20° | 758.9 |
| 22.5° | 794.4 |
| 25° | 837.4 |
| 27.5° | 886.2 |
| 30° | 936.5 |
| 32.5° | 977.9 |
| 35° | 1035.6 |
| 37.5° | 1130.3 |
| 40° | 1244.2 |
| 42.5° | 1335.9 |
| 45° | 1411.4 |
| 47.5° | 1495.7 |
| 50° | 1580.0 |
| 52.5° | 1688.0 |
| 55° | 1794.5 |
| 57.5° | 1849.3 |
| 60° | 1883.3 |
| 62.5° | 1909.9 |
| 65° | 1912.9 |
| 67.5° | 1836.0 |
| 70° | 1719.1 |
| 72.5° | 1585.9 |
| 75° | 1390.7 |
| 77.5° | 1185.0 |
| 80° | 920.2 |
| 82.5° | 646.5 |
| 85° | 338.8 |
| 87.5° | 66.6 |
| 90° | 0.0 |

(END OF REPORT)