

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: INVUE

Report Number: P147672

Luminaire Tested: **VXM-E06-LED-E1-5WQ-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P147672  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-E06-LED-E1-5WQ-7060  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (126) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19601.5 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B5 - U0 - G3

Input Watts (W): 150.5  
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



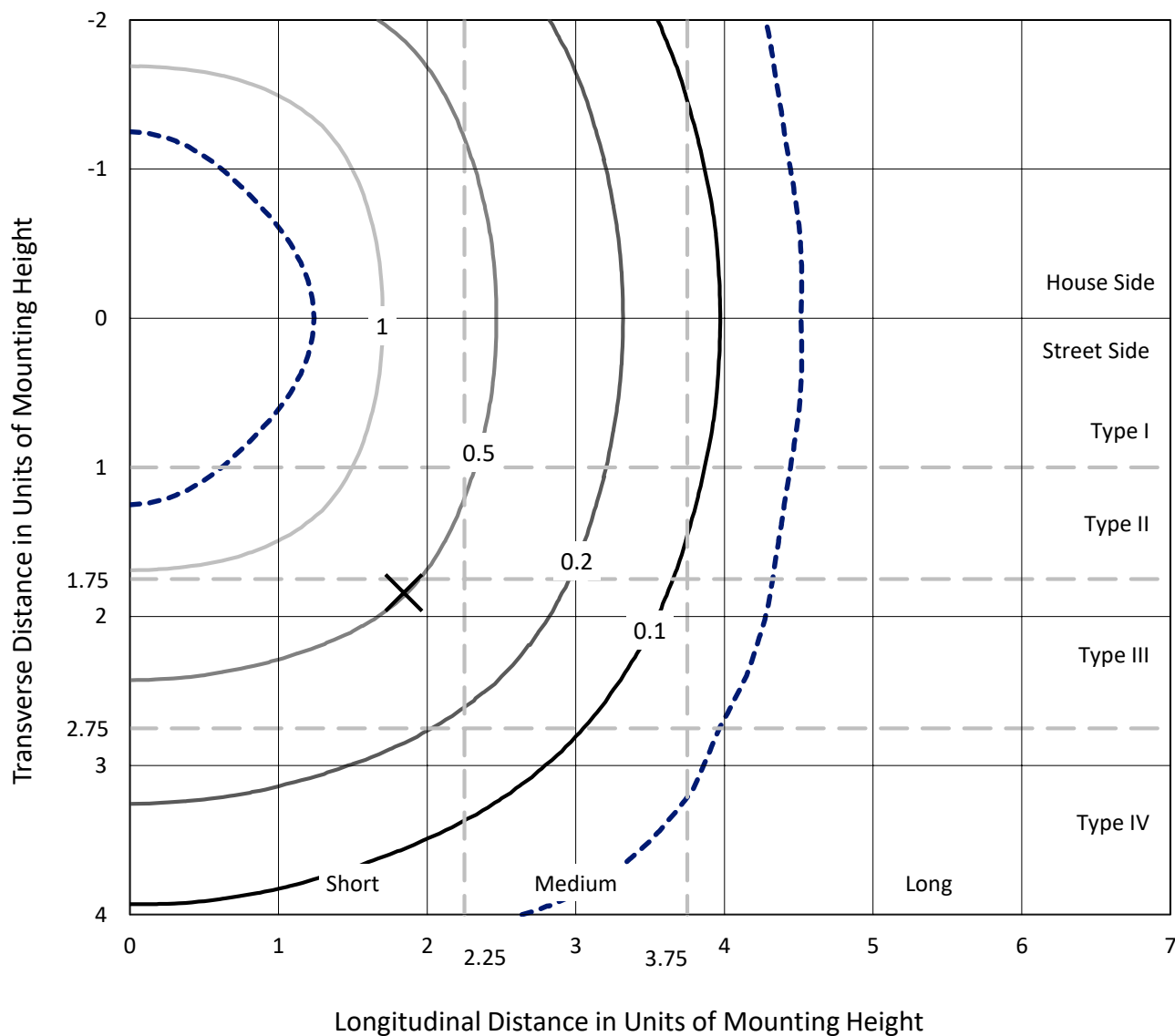
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

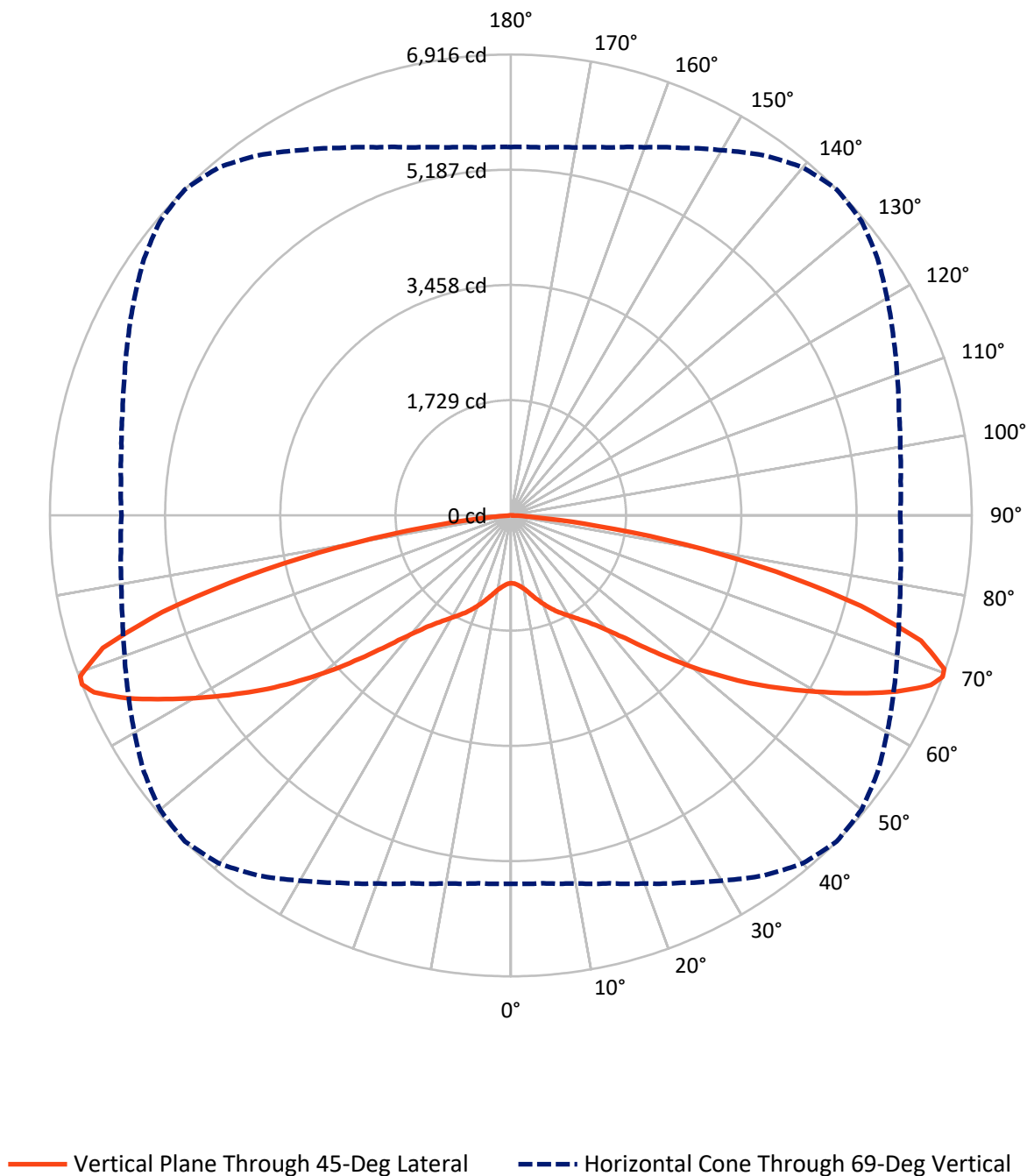


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type V - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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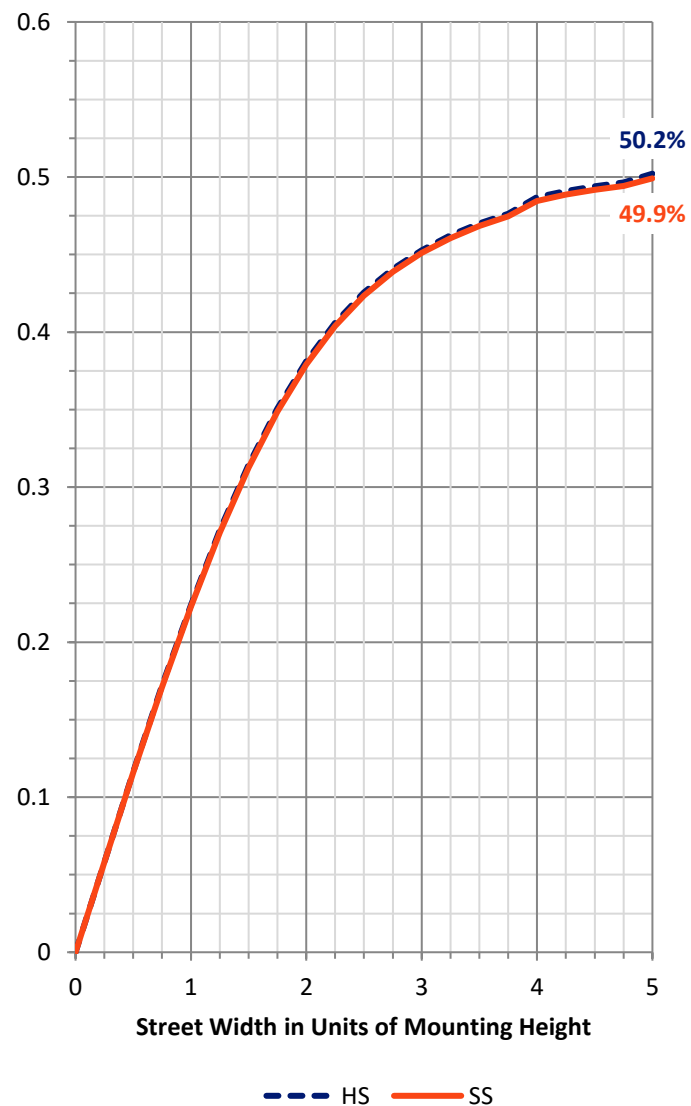
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9800.7   | 0.0    | 9800.7  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9800.7   | 0.0    | 9800.7  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 19601.5  | 0.0    | 19601.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 102.2   | 0.5       |
| 10°-20°   | 360.9   | 1.8       |
| 20°-30°   | 730.8   | 3.7       |
| 30°-40°   | 1225.3  | 6.3       |
| 40°-50°   | 2161.3  | 11.0      |
| 50°-60°   | 3811.4  | 19.4      |
| 60°-70°   | 5818.9  | 29.7      |
| 70°-80°   | 4862.3  | 24.8      |
| 80°-90°   | 528.3   | 2.7       |
| 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°    | 19601.5 | 100.0     |
| 0°-180°   | 19601.5 | 100.0     |

**Coefficient of Utilization**



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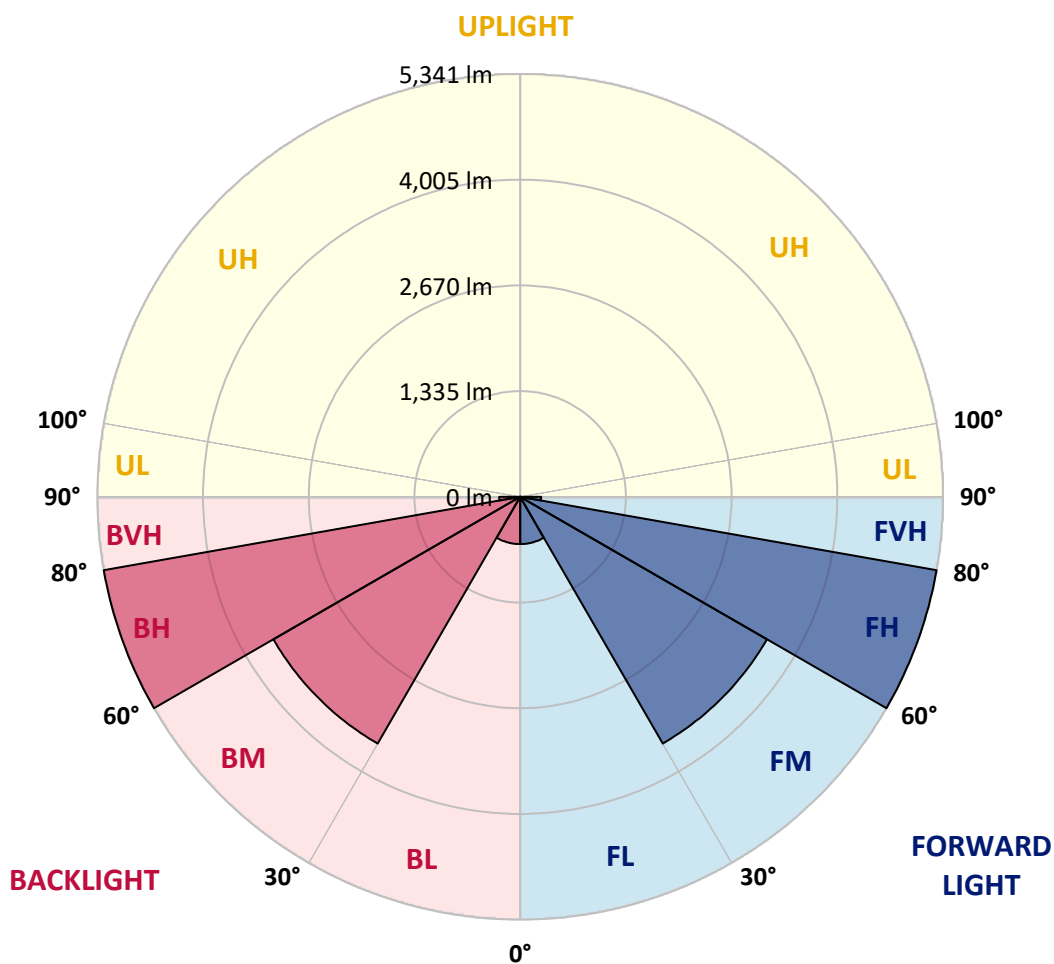
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 597.0  | 3.0       |                         |      |         |
| FM   | (30°-60°)   | 3599.0 | 18.4      |                         |      |         |
| FH   | (60°-80°)   | 5340.6 | 27.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 264.2  | 1.3       |                         |      | G3/500  |
| BL   | (0°-30°)    | 597.0  | 3.0       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3599.0 | 18.4      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 5340.6 | 27.2      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 264.2  | 1.3       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 |
| 2.5°  | 1026.1 | 1028.2 | 1026.1 | 1026.1 | 1026.1 | 1026.1 | 1026.1 | 1024.1 | 1024.1 | 1024.1 | 1026.1 |
| 5°    | 1046.6 | 1048.7 | 1046.6 | 1048.7 | 1048.7 | 1048.7 | 1048.7 | 1046.6 | 1046.6 | 1046.6 | 1046.6 |
| 7.5°  | 1079.5 | 1079.5 | 1079.5 | 1081.5 | 1079.5 | 1079.5 | 1081.5 | 1079.5 | 1079.5 | 1079.5 | 1079.5 |
| 10°   | 1126.7 | 1124.6 | 1124.6 | 1124.6 | 1124.6 | 1124.6 | 1126.7 | 1126.7 | 1126.7 | 1124.6 | 1124.6 |
| 12.5° | 1184.1 | 1182.1 | 1184.1 | 1184.1 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1186.2 | 1184.1 |
| 15°   | 1253.9 | 1253.9 | 1253.9 | 1256.0 | 1260.1 | 1260.1 | 1258.0 | 1260.1 | 1260.1 | 1260.1 | 1260.1 |
| 17.5° | 1331.9 | 1336.0 | 1331.9 | 1333.9 | 1336.0 | 1333.9 | 1338.0 | 1340.1 | 1342.1 | 1340.1 | 1333.9 |
| 20°   | 1411.9 | 1414.0 | 1414.0 | 1414.0 | 1414.0 | 1418.1 | 1420.1 | 1420.1 | 1426.3 | 1424.2 | 1422.2 |
| 22.5° | 1487.9 | 1492.0 | 1492.0 | 1494.0 | 1494.0 | 1500.2 | 1500.2 | 1500.2 | 1504.3 | 1508.4 | 1504.3 |
| 25°   | 1567.9 | 1565.8 | 1565.8 | 1569.9 | 1572.0 | 1580.2 | 1580.2 | 1584.3 | 1590.5 | 1592.5 | 1588.4 |
| 27.5° | 1639.7 | 1637.7 | 1637.7 | 1643.8 | 1645.9 | 1656.1 | 1656.1 | 1664.3 | 1668.4 | 1670.5 | 1666.4 |
| 30°   | 1715.6 | 1715.6 | 1713.6 | 1719.8 | 1725.9 | 1734.1 | 1738.2 | 1746.4 | 1752.6 | 1754.6 | 1750.5 |
| 32.5° | 1805.9 | 1801.8 | 1803.9 | 1808.0 | 1812.1 | 1820.3 | 1826.5 | 1836.7 | 1844.9 | 1847.0 | 1842.9 |
| 35°   | 1908.6 | 1902.4 | 1904.5 | 1908.6 | 1914.7 | 1927.0 | 1937.3 | 1943.4 | 1955.8 | 1959.9 | 1951.7 |
| 37.5° | 2021.4 | 2023.5 | 2021.4 | 2031.7 | 2041.9 | 2056.3 | 2068.6 | 2076.8 | 2089.2 | 2095.3 | 2089.2 |
| 40°   | 2181.5 | 2175.3 | 2181.5 | 2191.8 | 2208.2 | 2226.6 | 2251.3 | 2257.4 | 2269.7 | 2282.1 | 2267.7 |
| 42.5° | 2388.8 | 2384.7 | 2399.0 | 2407.2 | 2425.7 | 2446.2 | 2477.0 | 2493.4 | 2511.9 | 2520.1 | 2507.8 |
| 45°   | 2659.7 | 2659.7 | 2676.1 | 2678.1 | 2706.9 | 2733.5 | 2776.6 | 2797.2 | 2832.1 | 2832.1 | 2832.1 |
| 47.5° | 2959.3 | 2971.6 | 2981.9 | 3002.4 | 3022.9 | 3072.2 | 3115.3 | 3160.4 | 3193.2 | 3197.3 | 3191.2 |
| 50°   | 3269.2 | 3281.5 | 3312.3 | 3341.0 | 3386.1 | 3447.7 | 3494.9 | 3554.4 | 3583.2 | 3607.8 | 3599.6 |
| 52.5° | 3611.9 | 3613.9 | 3650.9 | 3687.8 | 3753.5 | 3821.2 | 3897.1 | 3958.7 | 4010.0 | 4032.6 | 4014.1 |
| 55°   | 3987.4 | 3991.6 | 4024.4 | 4063.4 | 4137.3 | 4215.2 | 4309.6 | 4373.3 | 4438.9 | 4480.0 | 4449.2 |
| 57.5° | 4393.8 | 4395.8 | 4428.7 | 4475.9 | 4564.1 | 4642.1 | 4732.4 | 4822.7 | 4884.3 | 4921.2 | 4900.7 |
| 60°   | 4843.2 | 4853.5 | 4878.1 | 4937.6 | 5021.8 | 5103.8 | 5194.1 | 5274.2 | 5346.0 | 5385.0 | 5364.5 |
| 62.5° | 5323.4 | 5333.7 | 5368.6 | 5415.8 | 5489.7 | 5580.0 | 5666.2 | 5768.8 | 5828.3 | 5871.4 | 5840.6 |
| 65°   | 5645.6 | 5664.1 | 5719.5 | 5783.1 | 5891.9 | 6008.9 | 6109.4 | 6249.0 | 6320.8 | 6372.1 | 6343.4 |
| 67.5° | 5666.2 | 5676.4 | 5744.1 | 5840.6 | 5986.3 | 6162.8 | 6368.0 | 6585.5 | 6727.1 | 6794.9 | 6745.6 |
| 69°   | 5526.6 | 5541.0 | 5606.6 | 5715.4 | 5877.5 | 6082.8 | 6327.0 | 6597.9 | 6815.4 | 6916.0 | 6868.7 |
| 70°   | 5368.6 | 5399.4 | 5471.2 | 5590.2 | 5748.2 | 5963.7 | 6216.1 | 6505.5 | 6760.0 | 6897.5 | 6862.6 |
| 72.5° | 5036.1 | 5044.3 | 5091.5 | 5185.9 | 5307.0 | 5485.6 | 5723.6 | 5996.6 | 6238.7 | 6435.7 | 6464.5 |
| 75°   | 4469.7 | 4496.4 | 4531.3 | 4594.9 | 4656.5 | 4785.8 | 4945.8 | 5132.6 | 5274.2 | 5426.0 | 5432.2 |
| 77.5° | 3377.9 | 3458.0 | 3484.7 | 3499.0 | 3525.7 | 3628.3 | 3767.9 | 3930.0 | 4047.0 | 4071.6 | 4067.5 |
| 80°   | 1516.6 | 1623.3 | 1647.9 | 1764.9 | 1836.7 | 2007.1 | 2220.5 | 2468.8 | 2635.0 | 2653.5 | 2608.4 |
| 82.5° | 297.6  | 318.1  | 371.5  | 463.8  | 632.1  | 732.6  | 872.2  | 1046.6 | 1206.7 | 1299.0 | 1243.6 |
| 85°   | 98.5   | 104.7  | 121.1  | 133.4  | 153.9  | 174.4  | 211.4  | 262.7  | 326.3  | 361.2  | 322.2  |
| 87.5° | 39.0   | 39.0   | 45.1   | 49.3   | 53.4   | 53.4   | 53.4   | 49.3   | 47.2   | 39.0   | 34.9   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 | 1017.9 |
| 2.5°  | 1024.1 | 1024.1 | 1024.1 | 1024.1 | 1024.1 | 1024.1 | 1024.1 | 1024.1 |
| 5°    | 1046.6 | 1044.6 | 1044.6 | 1042.5 | 1042.5 | 1042.5 | 1042.5 | 1042.5 |
| 7.5°  | 1077.4 | 1075.4 | 1073.3 | 1075.4 | 1073.3 | 1073.3 | 1073.3 | 1073.3 |
| 10°   | 1124.6 | 1120.5 | 1118.5 | 1116.4 | 1116.4 | 1116.4 | 1114.4 | 1114.4 |
| 12.5° | 1180.0 | 1180.0 | 1178.0 | 1175.9 | 1171.8 | 1173.9 | 1171.8 | 1167.7 |
| 15°   | 1256.0 | 1251.8 | 1249.8 | 1247.7 | 1243.6 | 1243.6 | 1243.6 | 1241.6 |
| 17.5° | 1331.9 | 1327.8 | 1327.8 | 1321.6 | 1319.6 | 1319.6 | 1319.6 | 1321.6 |
| 20°   | 1416.0 | 1409.9 | 1405.8 | 1401.7 | 1397.6 | 1399.6 | 1395.5 | 1399.6 |
| 22.5° | 1500.2 | 1492.0 | 1487.9 | 1481.7 | 1475.5 | 1475.5 | 1473.5 | 1469.4 |
| 25°   | 1582.3 | 1572.0 | 1567.9 | 1561.7 | 1553.5 | 1553.5 | 1549.4 | 1545.3 |
| 27.5° | 1660.2 | 1650.0 | 1645.9 | 1633.6 | 1625.4 | 1623.3 | 1619.2 | 1617.1 |
| 30°   | 1746.4 | 1734.1 | 1728.0 | 1715.6 | 1703.3 | 1701.3 | 1695.1 | 1695.1 |
| 32.5° | 1836.7 | 1824.4 | 1820.3 | 1801.8 | 1791.6 | 1791.6 | 1787.5 | 1783.4 |
| 35°   | 1949.6 | 1931.1 | 1927.0 | 1908.6 | 1894.2 | 1894.2 | 1890.1 | 1892.1 |
| 37.5° | 2083.0 | 2068.6 | 2054.3 | 2039.9 | 2023.5 | 2021.4 | 2017.3 | 2013.2 |
| 40°   | 2261.5 | 2245.1 | 2228.7 | 2208.2 | 2193.8 | 2189.7 | 2183.6 | 2181.5 |
| 42.5° | 2499.6 | 2483.2 | 2450.3 | 2433.9 | 2419.6 | 2407.2 | 2405.2 | 2403.1 |
| 45°   | 2803.3 | 2782.8 | 2760.2 | 2729.4 | 2711.0 | 2684.3 | 2680.2 | 2669.9 |
| 47.5° | 3168.6 | 3129.6 | 3090.6 | 3064.0 | 3035.2 | 3004.4 | 2998.3 | 2981.9 |
| 50°   | 3556.5 | 3525.7 | 3460.0 | 3416.9 | 3371.8 | 3341.0 | 3320.5 | 3314.3 |
| 52.5° | 3973.1 | 3915.6 | 3849.9 | 3792.5 | 3726.8 | 3685.8 | 3648.8 | 3638.6 |
| 55°   | 4408.1 | 4326.1 | 4244.0 | 4176.2 | 4110.6 | 4061.3 | 4026.4 | 4010.0 |
| 57.5° | 4843.2 | 4752.9 | 4662.6 | 4588.7 | 4533.3 | 4469.7 | 4434.8 | 4426.6 |
| 60°   | 5296.8 | 5210.6 | 5118.2 | 5044.3 | 4976.6 | 4921.2 | 4900.7 | 4861.7 |
| 62.5° | 5777.0 | 5686.7 | 5600.5 | 5528.7 | 5442.5 | 5403.5 | 5368.6 | 5346.0 |
| 65°   | 6249.0 | 6144.3 | 6035.6 | 5959.6 | 5873.4 | 5818.0 | 5774.9 | 5744.1 |
| 67.5° | 6614.3 | 6456.3 | 6310.5 | 6183.3 | 6066.3 | 5980.1 | 5924.7 | 5896.0 |
| 69°   | 6716.9 | 6519.9 | 6333.1 | 6166.9 | 6029.4 | 5932.9 | 5871.4 | 5842.6 |
| 70°   | 6704.6 | 6487.0 | 6281.8 | 6099.2 | 5949.4 | 5846.7 | 5787.2 | 5733.9 |
| 72.5° | 6324.9 | 6125.8 | 5898.1 | 5699.0 | 5563.5 | 5465.0 | 5405.5 | 5376.8 |
| 75°   | 5397.3 | 5263.9 | 5099.7 | 4945.8 | 4847.3 | 4789.9 | 4716.0 | 4718.0 |
| 77.5° | 3930.0 | 3934.1 | 3823.3 | 3665.2 | 3554.4 | 3533.9 | 3501.1 | 3468.2 |
| 80°   | 2438.0 | 2243.1 | 2115.8 | 1945.5 | 1820.3 | 1711.5 | 1664.3 | 1561.7 |
| 82.5° | 1124.6 | 878.3  | 681.3  | 515.1  | 396.1  | 309.9  | 270.9  | 221.6  |
| 85°   | 250.4  | 190.9  | 158.0  | 127.2  | 108.8  | 100.6  | 82.1   | 75.9   |
| 87.5° | 34.9   | 30.8   | 28.7   | 26.7   | 22.6   | 16.4   | 12.3   | 10.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)