

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: STREETWORKS

Report Number: P565326

Luminaire Tested: **PMM-SA3C-830-U-T1**

Issue Date: 8/19/2021

### Test Information

Test Method: LM-79-08  
Report Number: P565326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2108-334-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 8/19/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA3C-830-U-T1  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS.  
Light Source: -  
Ballast/Driver: -

### Summary

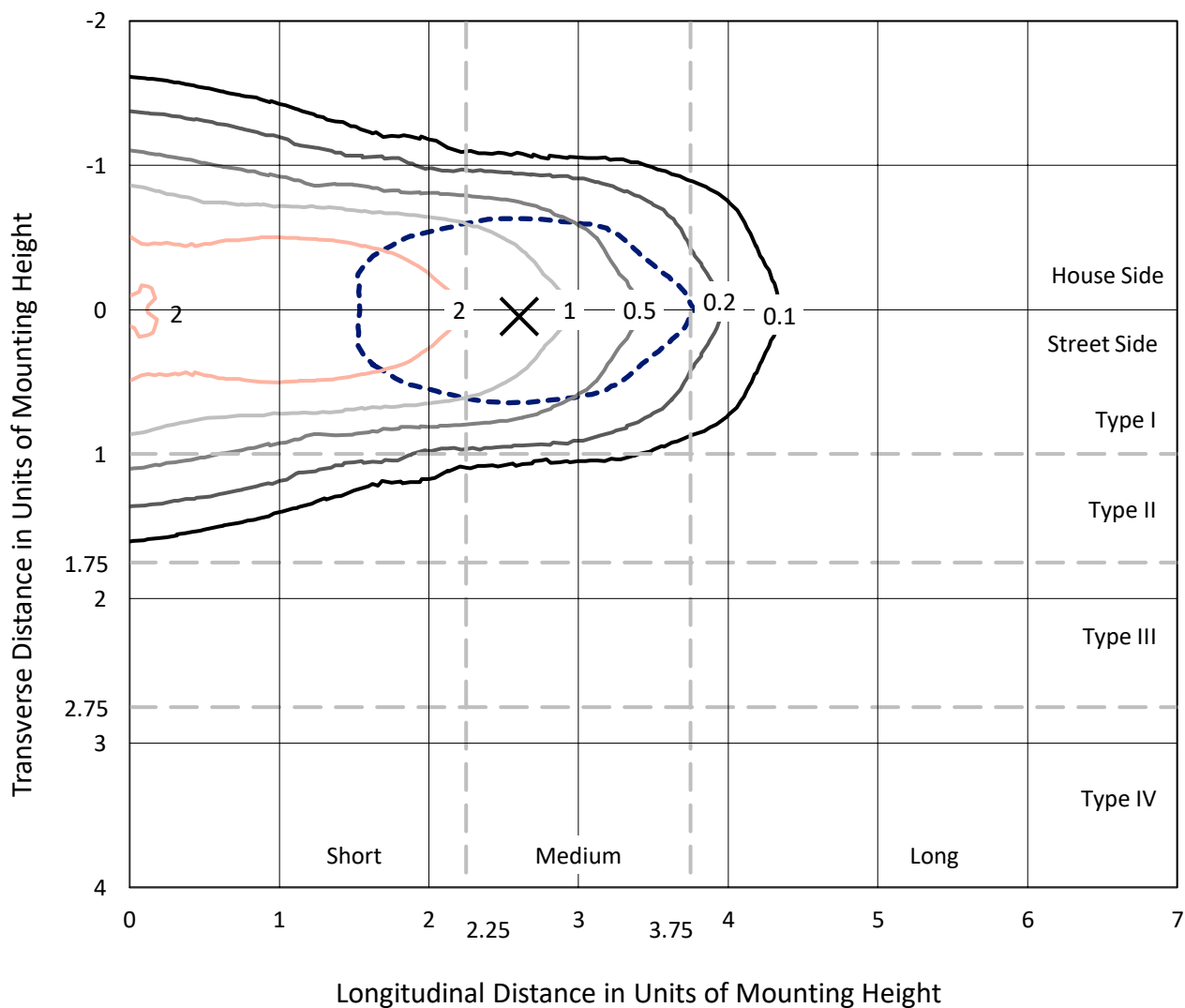
Lumens per Lamp: N/A  
Luminaire Lumens: 13080 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: 28.75 FT



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## Iso-Footcandle Lines of Horizontal Illumination

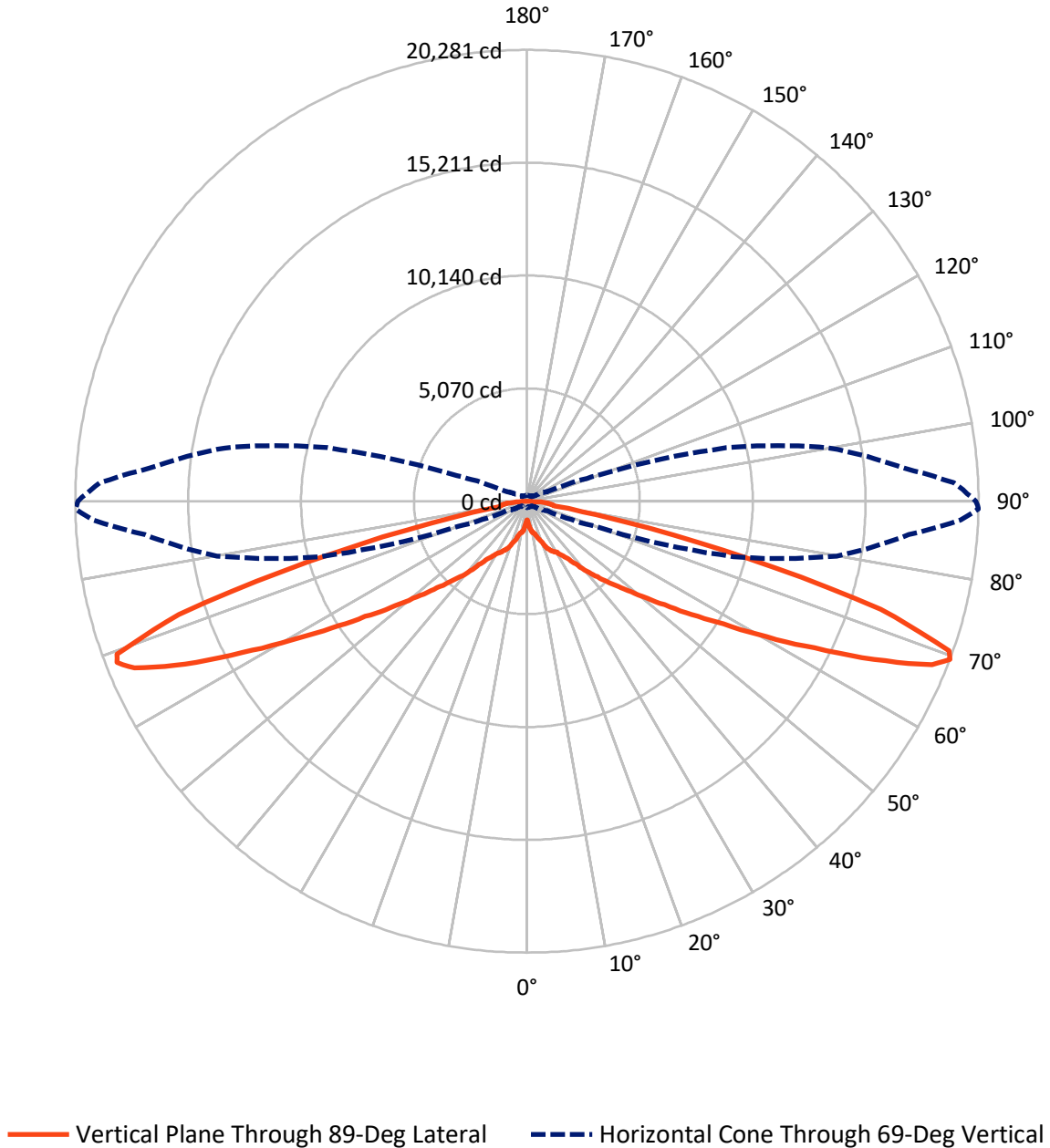
× Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type I - Medium - N/A

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## Luminous Intensity Polar Plot



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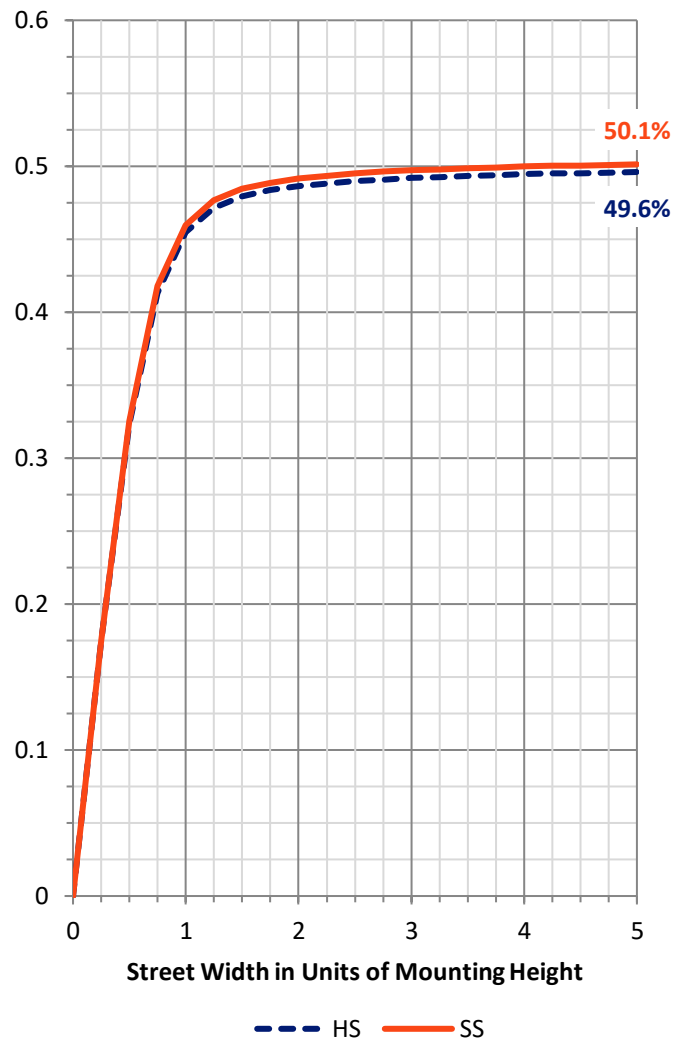
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6539.9   | 0.0    | 6539.9  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6540.1   | 0.0    | 6540.1  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 13080.0  | 0.0    | 13080.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 104.1   | 0.8       |
| 10°-20°   | 479.6   | 3.7       |
| 20°-30°   | 956.9   | 7.3       |
| 30°-40°   | 1447.2  | 11.1      |
| 40°-50°   | 2100.8  | 16.1      |
| 50°-60°   | 2760.0  | 21.1      |
| 60°-70°   | 3366.9  | 25.7      |
| 70°-80°   | 1702.2  | 13.0      |
| 80°-90°   | 162.2   | 1.2       |
| 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°    | 13080.0 | 100.0     |
| 0°-180°   | 13080.0 | 100.0     |

**Coefficient of Utilization**



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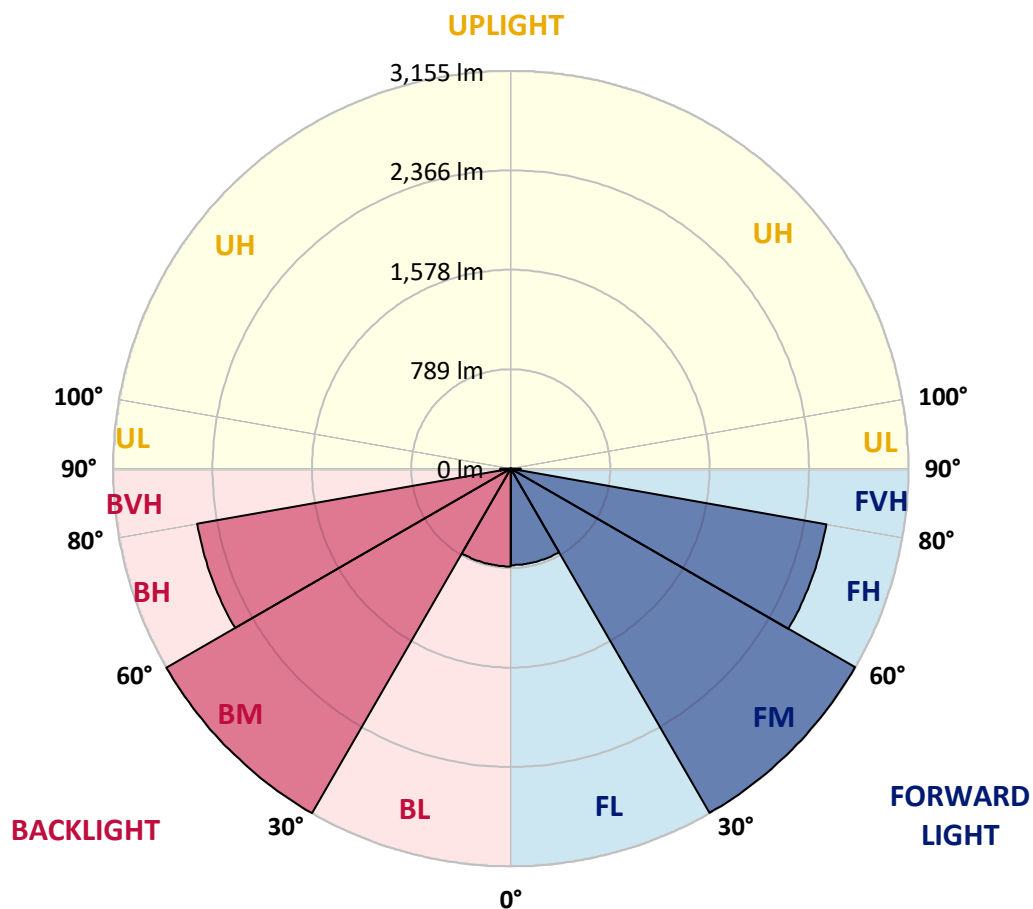
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 764.9  | 5.8       |                         |      |         |
| FM   | (30°-60°)   | 3153.0 | 24.1      |                         |      |         |
| FH   | (60°-80°)   | 2542.6 | 19.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 79.6   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 775.7  | 5.9       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3155.1 | 24.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2526.4 | 19.3      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 82.7   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type I Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°     | 80°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  | 828.5   | 828.5   |
| 2.5°  | 972.3  | 860.2  | 850.4  | 823.6  | 843.1  | 850.4  | 833.4  | 809.0  | 835.8  | 850.4   | 823.6   |
| 5°    | 1225.7 | 1060.0 | 1003.9 | 957.6  | 865.0  | 826.1  | 865.0  | 964.9  | 977.1  | 1038.0  | 1021.0  |
| 7.5°  | 1349.9 | 1323.1 | 1252.5 | 1099.0 | 950.3  | 867.5  | 972.3  | 1116.0 | 1189.1 | 1247.6  | 1308.5  |
| 10°   | 1442.5 | 1427.9 | 1303.6 | 1194.0 | 1133.1 | 1138.0 | 1140.4 | 1186.7 | 1250.0 | 1347.5  | 1381.6  |
| 12.5° | 1464.5 | 1459.6 | 1479.1 | 1454.7 | 1459.6 | 1486.4 | 1459.6 | 1447.4 | 1484.0 | 1515.6  | 1481.5  |
| 15°   | 1605.8 | 1603.4 | 1610.7 | 1615.5 | 1713.0 | 1754.4 | 1713.0 | 1676.5 | 1649.7 | 1622.9  | 1678.9  |
| 17.5° | 1703.3 | 1691.1 | 1693.5 | 1739.8 | 1849.5 | 1964.0 | 1942.1 | 1893.3 | 1832.4 | 1869.0  | 1915.3  |
| 20°   | 1756.9 | 1734.9 | 1749.6 | 1769.1 | 1954.3 | 2081.0 | 2095.6 | 2029.8 | 1993.2 | 2039.5  | 2078.5  |
| 22.5° | 1808.1 | 1773.9 | 1722.8 | 1742.3 | 1912.8 | 2095.6 | 2166.2 | 2149.2 | 2176.0 | 2190.6  | 2183.3  |
| 25°   | 1747.1 | 1769.1 | 1713.0 | 1769.1 | 1942.1 | 2110.2 | 2251.5 | 2351.4 | 2353.9 | 2346.6  | 2400.2  |
| 27.5° | 1710.6 | 1693.5 | 1598.5 | 1742.3 | 1886.0 | 1990.8 | 2351.4 | 2519.6 | 2570.7 | 2414.8  | 2519.6  |
| 30°   | 1647.2 | 1674.0 | 1544.9 | 1664.3 | 1847.0 | 2022.5 | 2466.0 | 2707.2 | 2631.7 | 2612.2  | 2636.5  |
| 32.5° | 1608.2 | 1591.2 | 1530.3 | 1596.1 | 1734.9 | 2117.5 | 2539.1 | 2816.9 | 2911.9 | 2865.6  | 2860.7  |
| 35°   | 1544.9 | 1557.1 | 1462.0 | 1532.7 | 1727.6 | 2037.1 | 2587.8 | 3092.2 | 3238.4 | 3201.9  | 3172.6  |
| 37.5° | 1554.6 | 1513.2 | 1445.0 | 1496.1 | 1681.3 | 2081.0 | 2709.6 | 3357.8 | 3589.3 | 3608.8  | 3474.8  |
| 40°   | 1481.5 | 1457.2 | 1354.8 | 1440.1 | 1593.6 | 2054.2 | 2738.9 | 3660.0 | 4052.3 | 4140.0  | 3947.5  |
| 42.5° | 1376.8 | 1345.1 | 1286.6 | 1381.6 | 1542.4 | 1922.6 | 2780.3 | 4023.0 | 4522.6 | 4705.3  | 4529.9  |
| 45°   | 1225.7 | 1184.2 | 1155.0 | 1281.7 | 1430.4 | 1888.5 | 2736.4 | 4325.2 | 4973.4 | 5224.3  | 5219.5  |
| 47.5° | 1042.9 | 1016.1 | 1001.5 | 1135.5 | 1337.8 | 1803.2 | 2646.3 | 4515.3 | 5287.7 | 5931.0  | 5833.5  |
| 50°   | 835.8  | 816.3  | 813.9  | 955.2  | 1181.8 | 1627.7 | 2543.9 | 4610.3 | 5765.3 | 6579.2  | 6664.4  |
| 52.5° | 670.1  | 655.5  | 653.0  | 767.6  | 989.3  | 1391.4 | 2329.5 | 4683.4 | 6221.0 | 7315.1  | 7753.7  |
| 55°   | 523.9  | 509.3  | 511.7  | 606.7  | 787.1  | 1138.0 | 2003.0 | 4600.5 | 6620.6 | 8068.0  | 8898.9  |
| 57.5° | 428.9  | 414.2  | 416.7  | 470.3  | 601.9  | 869.9  | 1596.1 | 4420.2 | 6800.9 | 8998.8  | 10234.2 |
| 60°   | 377.7  | 363.1  | 355.8  | 380.1  | 463.0  | 655.5  | 1186.7 | 3718.4 | 6830.1 | 9771.3  | 11684.1 |
| 62.5° | 350.9  | 336.3  | 329.0  | 336.3  | 382.6  | 502.0  | 855.3  | 2946.0 | 6662.0 | 10431.6 | 13012.1 |
| 65°   | 326.5  | 314.3  | 304.6  | 311.9  | 336.3  | 399.6  | 623.8  | 2017.6 | 5782.4 | 10733.8 | 13977.1 |
| 67.5° | 299.7  | 290.0  | 280.2  | 290.0  | 307.0  | 336.3  | 484.9  | 1276.8 | 4334.9 | 10341.5 | 14379.1 |
| 69°   | 285.1  | 270.5  | 265.6  | 272.9  | 290.0  | 309.5  | 419.1  | 1018.6 | 3296.9 | 9595.8  | 14135.4 |
| 70°   | 270.5  | 260.7  | 253.4  | 265.6  | 280.2  | 294.8  | 377.7  | 865.0  | 2585.4 | 8638.2  | 13531.1 |
| 72.5° | 238.8  | 231.5  | 226.6  | 238.8  | 251.0  | 260.7  | 309.5  | 616.5  | 1498.6 | 5882.3  | 10731.3 |
| 75°   | 209.6  | 202.2  | 199.8  | 209.6  | 219.3  | 224.2  | 260.7  | 424.0  | 884.5  | 3077.6  | 6437.8  |
| 77.5° | 175.4  | 165.7  | 168.1  | 180.3  | 187.6  | 190.1  | 219.3  | 304.6  | 521.5  | 1393.8  | 2982.6  |
| 80°   | 129.1  | 129.1  | 138.9  | 148.6  | 148.6  | 148.6  | 175.4  | 221.7  | 316.8  | 640.9   | 1237.9  |
| 82.5° | 90.2   | 92.6   | 95.0   | 109.7  | 112.1  | 102.3  | 134.0  | 160.8  | 197.4  | 280.2   | 428.9   |
| 85°   | 51.2   | 53.6   | 56.0   | 65.8   | 68.2   | 60.9   | 87.7   | 102.3  | 114.5  | 138.9   | 224.2   |
| 87.5° | 19.5   | 21.9   | 29.2   | 34.1   | 36.6   | 26.8   | 41.4   | 48.7   | 48.7   | 58.5    | 99.9    |
| 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):**

|       | 85°     | 87.5°   | 89°     | 90°     | 92.5°   | 95°     | 100°    | 105°    | 110°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 828.5   | 828.5   | 828.5   | 828.5   | 828.5   | 828.5   | 828.5   | 828.5   | 828.5  | 828.5  | 828.5  |
| 2.5°  | 879.7   | 896.7   | 928.4   | 935.7   | 908.9   | 879.7   | 813.9   | 855.3   | 872.3  | 840.7  | 850.4  |
| 5°    | 1089.2  | 1125.8  | 1164.8  | 1118.5  | 1089.2  | 1069.7  | 1038.0  | 1040.5  | 1023.4 | 967.4  | 874.8  |
| 7.5°  | 1325.6  | 1284.2  | 1313.4  | 1345.1  | 1298.8  | 1301.2  | 1330.5  | 1269.5  | 1223.2 | 1128.2 | 955.2  |
| 10°   | 1435.2  | 1435.2  | 1442.5  | 1442.5  | 1423.0  | 1423.0  | 1420.6  | 1323.1  | 1267.1 | 1225.7 | 1176.9 |
| 12.5° | 1442.5  | 1440.1  | 1469.3  | 1447.4  | 1452.3  | 1457.2  | 1469.3  | 1513.2  | 1498.6 | 1445.0 | 1488.8 |
| 15°   | 1644.8  | 1635.0  | 1644.8  | 1642.4  | 1649.7  | 1671.6  | 1661.8  | 1652.1  | 1654.5 | 1693.5 | 1759.3 |
| 17.5° | 1834.9  | 1839.7  | 1830.0  | 1847.0  | 1847.0  | 1861.7  | 1895.8  | 1861.7  | 1832.4 | 1905.5 | 1956.7 |
| 20°   | 2054.2  | 2037.1  | 1998.1  | 2027.4  | 2034.7  | 2037.1  | 2093.1  | 2051.7  | 2010.3 | 2037.1 | 2098.0 |
| 22.5° | 2275.9  | 2273.5  | 2278.3  | 2280.8  | 2290.5  | 2254.0  | 2178.4  | 2166.2  | 2193.1 | 2156.5 | 2163.8 |
| 25°   | 2412.4  | 2414.8  | 2427.0  | 2429.4  | 2388.0  | 2427.0  | 2453.8  | 2373.4  | 2373.4 | 2366.1 | 2317.3 |
| 27.5° | 2578.1  | 2541.5  | 2556.1  | 2575.6  | 2558.6  | 2568.3  | 2536.6  | 2419.7  | 2543.9 | 2561.0 | 2366.1 |
| 30°   | 2690.1  | 2673.1  | 2656.0  | 2675.5  | 2692.6  | 2736.4  | 2646.3  | 2634.1  | 2643.8 | 2734.0 | 2478.2 |
| 32.5° | 2926.5  | 2950.9  | 2919.2  | 2887.5  | 2919.2  | 2909.5  | 2870.5  | 2853.4  | 2975.2 | 2855.8 | 2556.1 |
| 35°   | 3145.8  | 3155.6  | 3158.0  | 3153.1  | 3172.6  | 3138.5  | 3138.5  | 3201.9  | 3238.4 | 3109.3 | 2580.5 |
| 37.5° | 3674.6  | 3640.5  | 3569.8  | 3535.7  | 3596.6  | 3647.8  | 3496.7  | 3572.2  | 3557.6 | 3338.3 | 2763.2 |
| 40°   | 4054.7  | 4132.7  | 4154.6  | 4144.9  | 4154.6  | 4008.4  | 4040.1  | 4096.1  | 4030.3 | 3667.3 | 2699.9 |
| 42.5° | 4610.3  | 4659.0  | 4642.0  | 4620.0  | 4629.8  | 4603.0  | 4507.9  | 4715.1  | 4478.7 | 4035.2 | 2797.4 |
| 45°   | 5117.1  | 5226.8  | 5234.1  | 5158.5  | 5219.5  | 5124.4  | 5163.4  | 5236.5  | 4997.7 | 4310.6 | 2770.6 |
| 47.5° | 5721.4  | 5948.0  | 5862.8  | 5862.8  | 5923.7  | 5719.0  | 5811.6  | 5909.1  | 5275.5 | 4495.8 | 2624.4 |
| 50°   | 6615.7  | 6737.5  | 6732.7  | 6710.7  | 6737.5  | 6627.9  | 6613.3  | 6601.1  | 5701.9 | 4671.2 | 2534.2 |
| 52.5° | 7627.0  | 7792.7  | 7729.3  | 7753.7  | 7790.2  | 7583.1  | 7746.4  | 7300.4  | 6235.6 | 4737.0 | 2329.5 |
| 55°   | 8918.4  | 9032.9  | 8969.6  | 8845.3  | 9011.0  | 8879.4  | 8933.0  | 8063.1  | 6606.0 | 4549.4 | 1988.4 |
| 57.5° | 10456.0 | 10514.5 | 10409.7 | 10397.5 | 10507.2 | 10365.8 | 10275.7 | 8920.9  | 6798.5 | 4408.0 | 1588.7 |
| 60°   | 12251.9 | 12434.6 | 12368.8 | 12264.0 | 12363.9 | 12239.7 | 11557.4 | 9649.4  | 6759.5 | 3747.7 | 1230.5 |
| 62.5° | 14405.9 | 14591.1 | 14518.0 | 14447.3 | 14510.7 | 14186.6 | 12761.1 | 10224.5 | 6584.0 | 2970.4 | 899.2  |
| 65°   | 16184.7 | 17020.5 | 17130.2 | 17132.6 | 16825.6 | 16075.1 | 13721.2 | 10448.7 | 5658.1 | 2073.7 | 657.9  |
| 67.5° | 17354.4 | 19091.7 | 19632.7 | 19437.8 | 18733.6 | 17020.5 | 14108.6 | 10010.1 | 4369.0 | 1311.0 | 492.2  |
| 69°   | 17220.3 | 19498.7 | 20280.9 | 20171.2 | 19181.9 | 17005.9 | 13806.5 | 9271.7  | 3338.3 | 1042.9 | 416.7  |
| 70°   | 16601.4 | 19164.9 | 20093.2 | 20142.0 | 18896.8 | 16352.9 | 13268.0 | 8423.8  | 2699.9 | 889.4  | 382.6  |
| 72.5° | 13248.5 | 15792.4 | 16608.7 | 16927.9 | 15692.5 | 13095.0 | 10880.0 | 5943.2  | 1564.4 | 621.4  | 309.5  |
| 75°   | 8206.9  | 9576.3  | 10253.7 | 10438.9 | 9690.9  | 8155.7  | 6603.5  | 3306.6  | 952.8  | 438.6  | 260.7  |
| 77.5° | 3679.5  | 4076.6  | 4466.5  | 4466.5  | 4174.1  | 3723.3  | 3026.4  | 1598.5  | 541.0  | 311.9  | 219.3  |
| 80°   | 1233.0  | 1279.3  | 1245.2  | 1257.4  | 1208.6  | 1162.3  | 1215.9  | 689.6   | 333.8  | 233.9  | 177.9  |
| 82.5° | 838.2   | 1052.7  | 1118.5  | 1118.5  | 1050.2  | 828.5   | 467.9   | 316.8   | 204.7  | 168.1  | 136.5  |
| 85°   | 682.3   | 833.4   | 894.3   | 921.1   | 867.5   | 699.3   | 246.1   | 153.5   | 121.8  | 107.2  | 92.6   |
| 87.5° | 229.1   | 214.4   | 202.2   | 197.4   | 207.1   | 216.9   | 121.8   | 65.8    | 56.0   | 51.2   | 48.7   |
| 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):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  | 828.5  |
| 2.5°  | 867.5  | 838.2  | 850.4  | 862.6  | 950.3  | 1016.1 |
| 5°    | 862.6  | 904.0  | 996.6  | 1113.6 | 1167.2 | 1298.8 |
| 7.5°  | 887.0  | 1038.0 | 1211.1 | 1332.9 | 1381.6 | 1423.0 |
| 10°   | 1186.7 | 1213.5 | 1272.0 | 1388.9 | 1486.4 | 1503.5 |
| 12.5° | 1532.7 | 1525.4 | 1484.0 | 1537.6 | 1488.8 | 1523.0 |
| 15°   | 1803.2 | 1722.8 | 1666.7 | 1659.4 | 1642.4 | 1642.4 |
| 17.5° | 1951.8 | 1881.2 | 1803.2 | 1783.7 | 1732.5 | 1773.9 |
| 20°   | 2127.3 | 2005.4 | 1810.5 | 1791.0 | 1773.9 | 1734.9 |
| 22.5° | 2093.1 | 1971.3 | 1769.1 | 1744.7 | 1834.9 | 1830.0 |
| 25°   | 2134.6 | 1971.3 | 1778.8 | 1752.0 | 1793.4 | 1793.4 |
| 27.5° | 2032.2 | 1898.2 | 1759.3 | 1598.5 | 1725.2 | 1754.4 |
| 30°   | 2005.4 | 1854.3 | 1693.5 | 1549.8 | 1678.9 | 1652.1 |
| 32.5° | 2146.8 | 1744.7 | 1586.3 | 1542.4 | 1637.5 | 1618.0 |
| 35°   | 2037.1 | 1725.2 | 1559.5 | 1479.1 | 1591.2 | 1571.7 |
| 37.5° | 2083.4 | 1700.8 | 1513.2 | 1445.0 | 1535.1 | 1564.4 |
| 40°   | 2073.7 | 1586.3 | 1459.6 | 1371.9 | 1462.0 | 1476.7 |
| 42.5° | 1910.4 | 1498.6 | 1369.4 | 1281.7 | 1328.0 | 1376.8 |
| 45°   | 1861.7 | 1445.0 | 1281.7 | 1159.9 | 1162.3 | 1218.4 |
| 47.5° | 1771.5 | 1323.1 | 1120.9 | 1008.8 | 1008.8 | 1055.1 |
| 50°   | 1620.4 | 1159.9 | 938.1  | 835.8  | 833.4  | 869.9  |
| 52.5° | 1396.2 | 1001.5 | 791.9  | 679.8  | 672.5  | 709.1  |
| 55°   | 1142.8 | 806.6  | 623.8  | 550.7  | 536.1  | 550.7  |
| 57.5° | 889.4  | 628.7  | 492.2  | 433.7  | 431.3  | 443.5  |
| 60°   | 689.6  | 492.2  | 392.3  | 358.2  | 363.1  | 382.6  |
| 62.5° | 521.5  | 392.3  | 333.8  | 321.6  | 329.0  | 348.5  |
| 65°   | 414.2  | 338.7  | 304.6  | 297.3  | 304.6  | 324.1  |
| 67.5° | 336.3  | 307.0  | 282.7  | 272.9  | 277.8  | 297.3  |
| 69°   | 309.5  | 290.0  | 270.5  | 258.3  | 263.2  | 277.8  |
| 70°   | 294.8  | 280.2  | 260.7  | 248.5  | 253.4  | 268.0  |
| 72.5° | 258.3  | 251.0  | 236.4  | 224.2  | 226.6  | 238.8  |
| 75°   | 226.6  | 221.7  | 212.0  | 197.4  | 197.4  | 212.0  |
| 77.5° | 190.1  | 192.5  | 182.8  | 168.1  | 165.7  | 173.0  |
| 80°   | 151.1  | 156.0  | 151.1  | 136.5  | 131.6  | 131.6  |
| 82.5° | 109.7  | 119.4  | 114.5  | 99.9   | 97.5   | 97.5   |
| 85°   | 68.2   | 75.5   | 73.1   | 63.4   | 63.4   | 56.0   |
| 87.5° | 31.7   | 41.4   | 39.0   | 34.1   | 31.7   | 21.9   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)