

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: P639263

Luminaire Tested: **USSL-M-PA6B-740-U-T3**

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P639263  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-M-PA6B-740-U-T3  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE III OPTICS, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

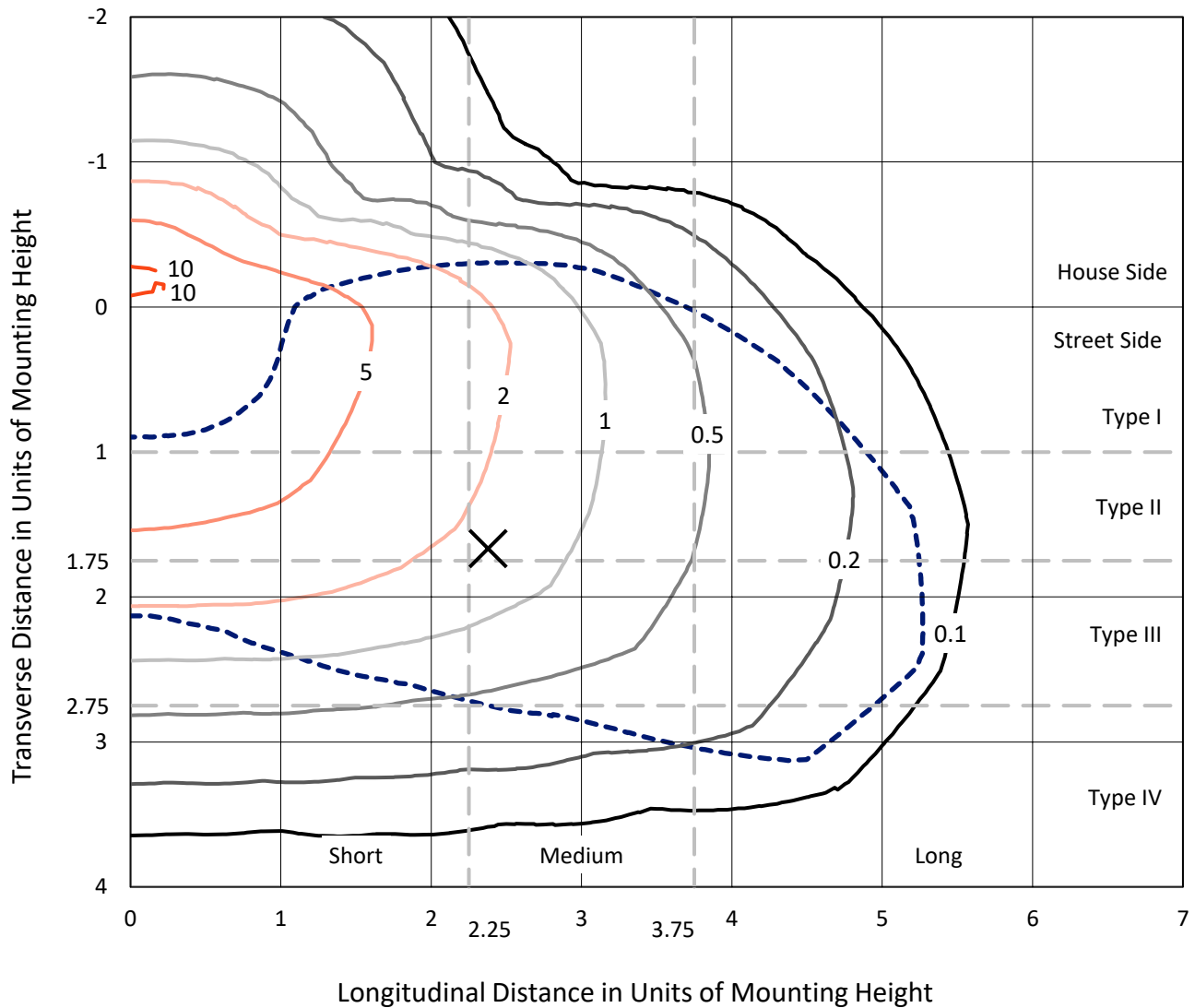
Lumens per Lamp: N/A  
Luminaire Lumens: 52020 lumens  
Efficiency: N/A  
Efficacy: 142.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 365.8  
Input Voltage (V): NR  
Input Current (Ain): 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: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

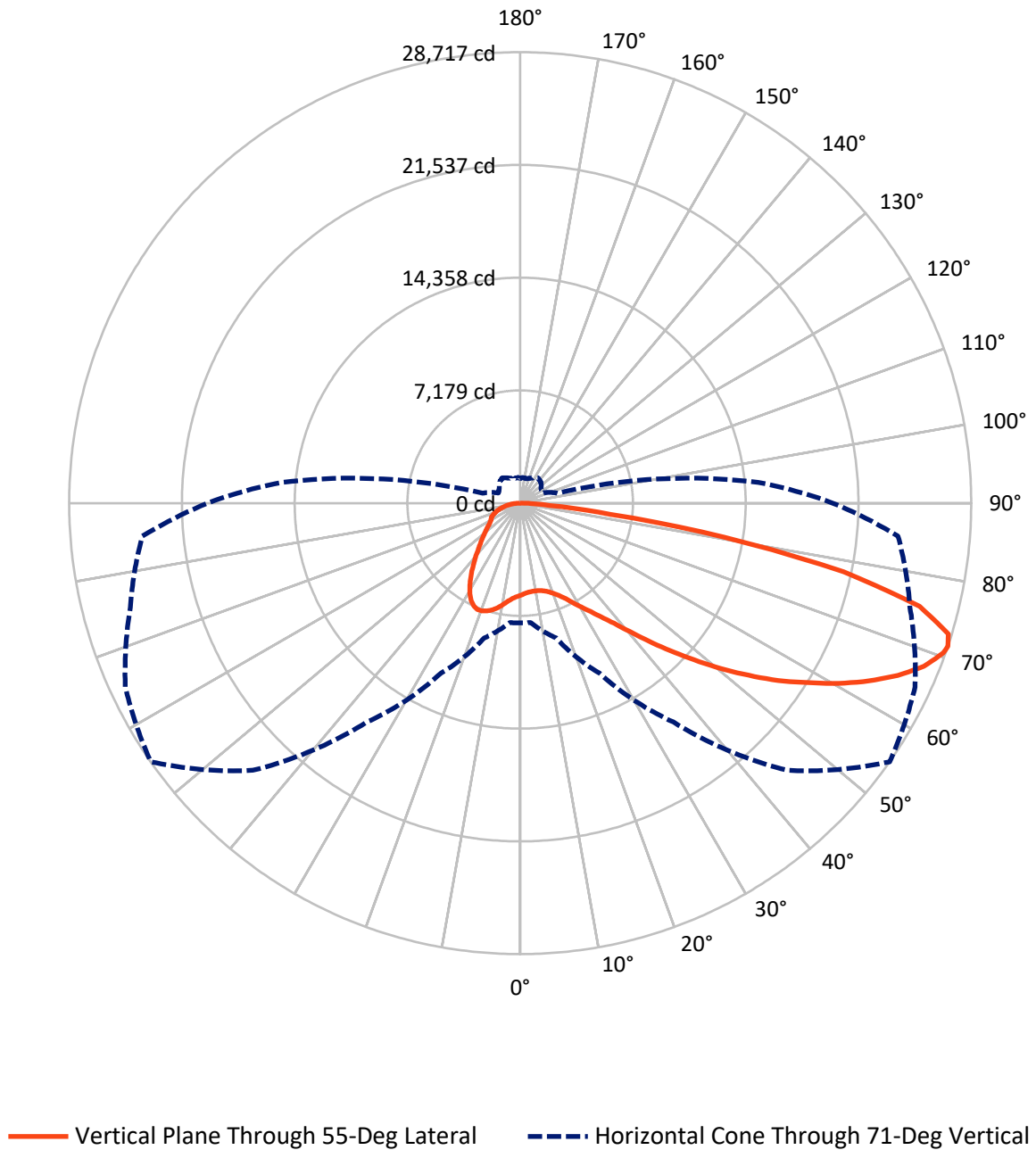


Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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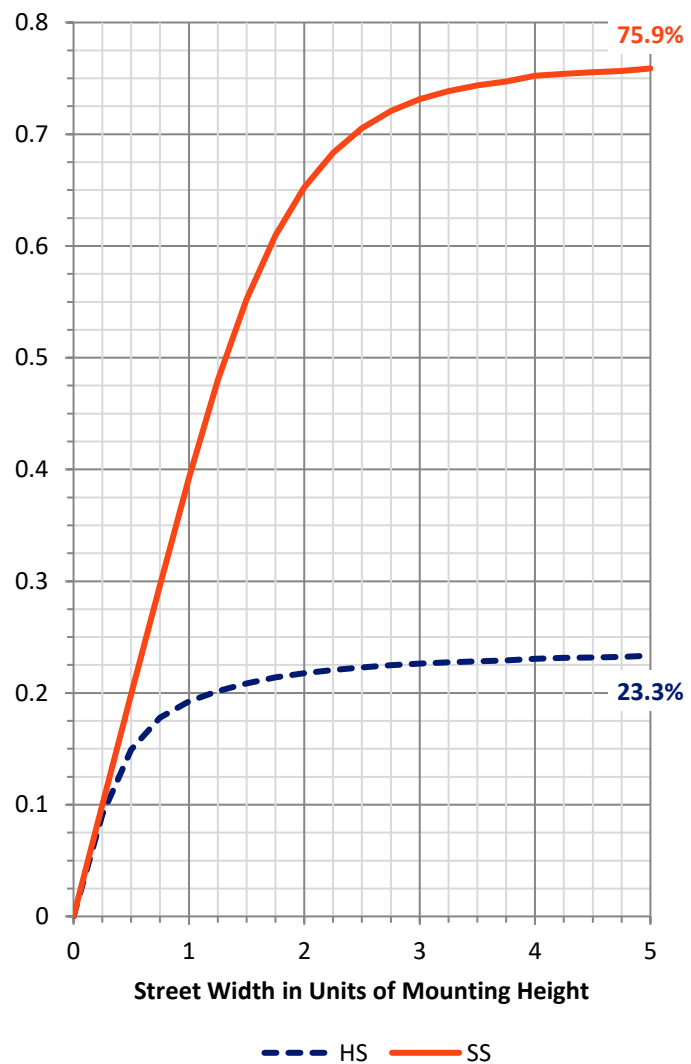
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12359.0  | 0.0    | 12359.0 |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 39661.0  | 0.0    | 39661.0 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 52020.0  | 0.0    | 52020.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 570.7   | 1.1       |
| 10°-20°   | 1814.2  | 3.5       |
| 20°-30°   | 3198.2  | 6.1       |
| 30°-40°   | 4790.9  | 9.2       |
| 40°-50°   | 7497.3  | 14.4      |
| 50°-60°   | 11020.5 | 21.2      |
| 60°-70°   | 12907.6 | 24.8      |
| 70°-80°   | 8742.5  | 16.8      |
| 80°-90°   | 1478.1  | 2.8       |
| 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°    | 52020.0 | 100.0     |
| 0°-180°   | 52020.0 | 100.0     |

**Coefficient of Utilization**



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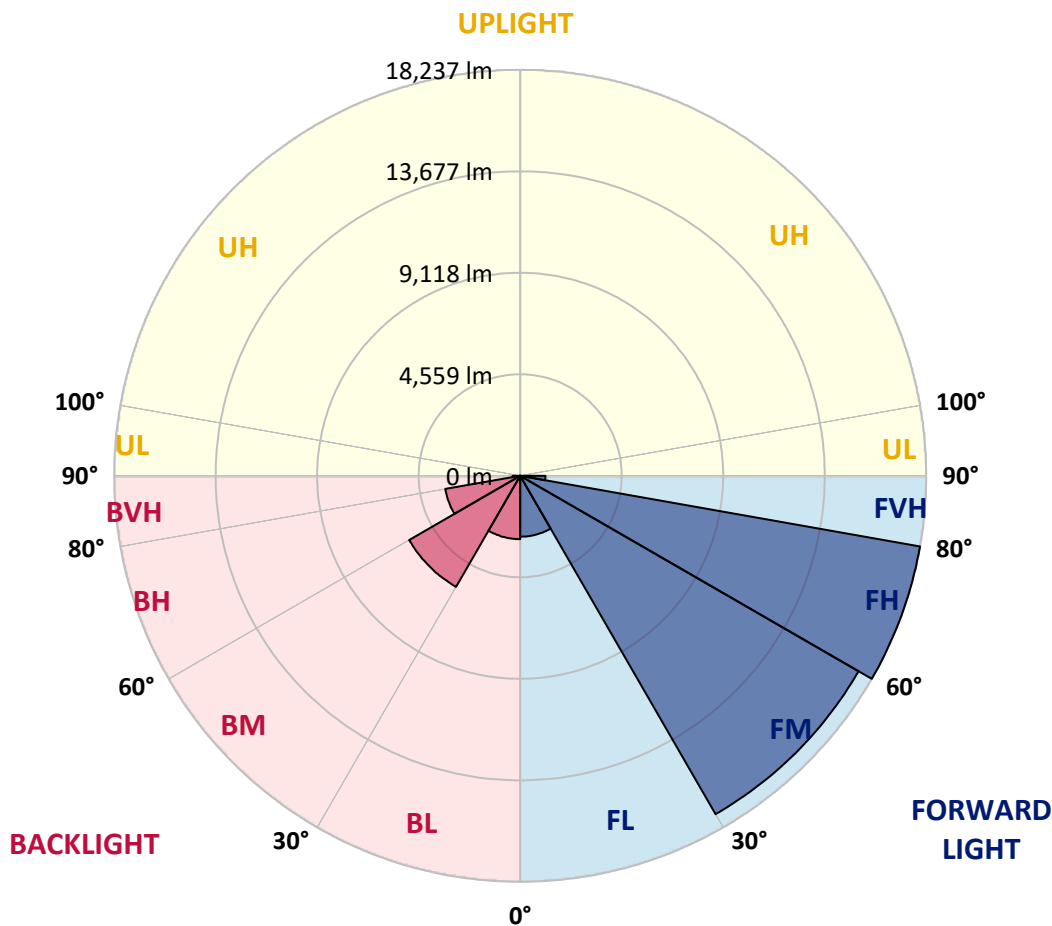
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2736.7  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 17550.5 | 33.7      |                         |      |         |
| FH   | (60°-80°)   | 18236.6 | 35.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 1137.3  | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 2846.4  | 5.5       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5758.2  | 11.1      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3413.6  | 6.6       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 340.8   | 0.7       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  | 5854.8  |
| 2.5°  | 5766.3  | 5727.1  | 5728.4  | 5728.4  | 5723.4  | 5747.4  | 5760.0  | 5780.2  | 5799.2  | 5820.7  | 5842.2  |
| 5°    | 5618.4  | 5590.6  | 5599.5  | 5615.9  | 5626.0  | 5661.4  | 5690.5  | 5724.6  | 5756.2  | 5799.2  | 5828.3  |
| 7.5°  | 5476.9  | 5441.5  | 5469.3  | 5511.0  | 5541.3  | 5613.4  | 5666.5  | 5719.6  | 5766.3  | 5833.3  | 5876.3  |
| 10°   | 5402.3  | 5370.7  | 5404.8  | 5457.9  | 5507.2  | 5593.2  | 5672.8  | 5755.0  | 5838.4  | 5948.3  | 6001.4  |
| 12.5° | 5427.6  | 5396.0  | 5422.5  | 5476.9  | 5527.4  | 5614.7  | 5708.2  | 5837.1  | 5958.5  | 6092.4  | 6162.0  |
| 15°   | 5548.9  | 5519.9  | 5537.6  | 5575.5  | 5604.5  | 5682.9  | 5797.9  | 5957.2  | 6107.6  | 6265.6  | 6338.9  |
| 17.5° | 5823.2  | 5784.0  | 5765.1  | 5744.8  | 5749.9  | 5804.3  | 5937.0  | 6124.0  | 6293.4  | 6465.3  | 6538.6  |
| 20°   | 6226.4  | 6180.9  | 6144.3  | 6043.1  | 5981.2  | 6024.2  | 6141.7  | 6330.1  | 6510.8  | 6684.0  | 6756.0  |
| 22.5° | 6782.6  | 6710.5  | 6632.2  | 6457.7  | 6332.6  | 6322.5  | 6395.8  | 6580.3  | 6754.8  | 6912.8  | 6997.5  |
| 25°   | 7314.7  | 7256.6  | 7176.9  | 6959.5  | 6766.2  | 6695.4  | 6742.1  | 6895.1  | 7039.2  | 7154.2  | 7227.5  |
| 27.5° | 7932.8  | 7846.9  | 7699.0  | 7487.9  | 7269.2  | 7145.3  | 7189.6  | 7298.3  | 7403.2  | 7448.7  | 7491.7  |
| 30°   | 8597.7  | 8510.5  | 8353.7  | 8060.5  | 7802.6  | 7663.6  | 7672.4  | 7833.0  | 7860.8  | 7806.4  | 7827.9  |
| 32.5° | 9455.9  | 9368.7  | 9182.9  | 8788.5  | 8449.8  | 8238.7  | 8223.5  | 8336.0  | 8338.6  | 8229.9  | 8224.8  |
| 35°   | 10543.0 | 10433.0 | 10168.8 | 9688.5  | 9238.5  | 8918.7  | 8890.9  | 8994.6  | 9002.2  | 8864.4  | 8822.7  |
| 37.5° | 11756.4 | 11685.6 | 11439.1 | 10759.1 | 10167.6 | 9795.9  | 9696.1  | 9879.4  | 9932.5  | 9741.6  | 9655.6  |
| 40°   | 13143.0 | 13083.6 | 12906.6 | 12053.4 | 11307.7 | 10879.2 | 10745.2 | 10934.8 | 11054.9 | 10859.0 | 10746.5 |
| 42.5° | 14696.4 | 14633.2 | 14271.7 | 13460.3 | 12698.1 | 12147.0 | 12010.5 | 12163.4 | 12428.8 | 12072.4 | 11853.7 |
| 45°   | 16378.8 | 16328.3 | 15748.1 | 15060.5 | 14293.2 | 13773.7 | 13383.2 | 13488.1 | 13773.7 | 13479.2 | 13100.0 |
| 47.5° | 17690.8 | 17569.5 | 17166.3 | 16715.0 | 16139.9 | 15490.2 | 14891.1 | 14927.8 | 15159.1 | 14875.9 | 14292.0 |
| 50°   | 18664.1 | 18633.8 | 18303.9 | 18076.4 | 18082.7 | 17494.9 | 16548.2 | 16416.7 | 16655.6 | 16280.2 | 15581.2 |
| 52.5° | 19527.4 | 19422.5 | 19144.4 | 19239.2 | 19810.6 | 19687.9 | 18197.7 | 17901.9 | 18215.4 | 17792.0 | 16904.6 |
| 55°   | 19709.4 | 19488.2 | 19628.5 | 20178.4 | 21260.4 | 21479.0 | 19945.8 | 19580.5 | 19828.2 | 19427.6 | 18277.3 |
| 57.5° | 19251.9 | 19220.3 | 19717.0 | 20711.8 | 22379.0 | 22775.9 | 21559.9 | 21250.2 | 21267.9 | 21037.9 | 19618.4 |
| 60°   | 18144.6 | 18254.6 | 19349.2 | 20887.5 | 23263.8 | 23937.5 | 23308.0 | 22903.5 | 22702.6 | 22696.2 | 20868.5 |
| 62.5° | 16412.9 | 16601.3 | 18076.4 | 20507.0 | 23512.8 | 24853.9 | 24929.7 | 24488.6 | 24029.8 | 24114.4 | 21886.0 |
| 65°   | 14203.5 | 14228.8 | 15899.8 | 19326.4 | 22927.6 | 25483.4 | 26432.6 | 25904.3 | 25147.1 | 25282.4 | 22416.9 |
| 67.5° | 11623.7 | 11632.5 | 13203.7 | 16868.0 | 21539.7 | 25689.4 | 27725.7 | 26939.5 | 25782.9 | 25673.0 | 22166.6 |
| 70°   | 8816.3  | 8844.2  | 10069.0 | 13570.2 | 18652.7 | 24913.3 | 28578.9 | 27622.0 | 25868.9 | 24900.7 | 20831.9 |
| 71°   | 7625.7  | 7629.5  | 8894.7  | 11944.7 | 17018.4 | 24060.1 | 28716.6 | 27738.3 | 25694.4 | 24149.8 | 19910.4 |
| 72.5° | 5701.9  | 5693.0  | 6795.2  | 9386.4  | 14206.0 | 22037.7 | 28509.3 | 27628.3 | 25196.4 | 22553.4 | 18101.6 |
| 75°   | 2993.1  | 2999.5  | 3596.1  | 5437.7  | 9018.6  | 16672.1 | 26263.2 | 25987.7 | 23153.8 | 18582.0 | 14092.3 |
| 77.5° | 1566.1  | 1567.4  | 1894.7  | 2741.6  | 4694.5  | 9884.4  | 21049.3 | 21975.8 | 19284.7 | 13202.4 | 9261.3  |
| 80°   | 1044.1  | 1050.4  | 1224.8  | 1630.6  | 2574.8  | 4210.4  | 13168.3 | 14980.8 | 12963.5 | 7538.5  | 4828.5  |
| 82.5° | 766.0   | 771.0   | 920.2   | 1119.9  | 1736.7  | 1870.7  | 5794.1  | 7778.6  | 6333.9  | 3195.4  | 1979.4  |
| 85°   | 589.0   | 591.5   | 719.2   | 769.8   | 1149.0  | 1035.2  | 1878.3  | 3148.6  | 2461.0  | 653.5   | 553.6   |
| 87.5° | 300.8   | 324.8   | 467.7   | 422.2   | 562.5   | 409.5   | 652.2   | 733.1   | 628.2   | 217.4   | 177.0   |
| 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):**

|       | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5854.8  | 5854.8 | 5854.8 | 5854.8 | 5854.8 | 5854.8 | 5854.8 | 5854.8 | 5854.8 | 5854.8 |
| 2.5°  | 5859.9  | 5902.8 | 5930.7 | 5945.8 | 5977.4 | 6010.3 | 6054.5 | 6073.5 | 6084.9 | 6040.6 |
| 5°    | 5862.4  | 5943.3 | 6014.1 | 6086.1 | 6168.3 | 6240.3 | 6325.0 | 6370.5 | 6389.5 | 6342.7 |
| 7.5°  | 5928.1  | 6045.7 | 6162.0 | 6278.3 | 6404.6 | 6502.0 | 6619.5 | 6682.7 | 6723.2 | 6685.3 |
| 10°   | 6076.0  | 6241.6 | 6399.6 | 6536.1 | 6657.4 | 6754.8 | 6855.9 | 6916.6 | 6954.5 | 6909.0 |
| 12.5° | 6258.0  | 6465.3 | 6653.7 | 6801.5 | 6907.7 | 6969.7 | 7034.1 | 7067.0 | 7092.3 | 7050.5 |
| 15°   | 6446.4  | 6685.3 | 6887.5 | 7019.0 | 7072.0 | 7107.4 | 7123.9 | 7123.9 | 7135.2 | 7087.2 |
| 17.5° | 6665.0  | 6906.5 | 7097.3 | 7174.4 | 7185.8 | 7152.9 | 7127.7 | 7094.8 | 7072.0 | 7025.3 |
| 20°   | 6886.2  | 7121.3 | 7284.4 | 7284.4 | 7189.6 | 7083.4 | 6981.0 | 6911.5 | 6874.9 | 6826.8 |
| 22.5° | 7117.5  | 7333.7 | 7422.2 | 7295.8 | 7055.6 | 6858.4 | 6720.6 | 6614.5 | 6577.8 | 6533.6 |
| 25°   | 7343.8  | 7538.5 | 7495.5 | 7165.6 | 6797.8 | 6502.0 | 6317.4 | 6215.1 | 6165.8 | 6132.9 |
| 27.5° | 7587.7  | 7729.3 | 7472.7 | 6912.8 | 6387.0 | 6071.0 | 5867.5 | 5729.7 | 5662.7 | 5622.2 |
| 30°   | 7908.8  | 7918.9 | 7347.6 | 6508.3 | 5902.8 | 5532.5 | 5316.4 | 5169.7 | 5130.5 | 5098.9 |
| 32.5° | 8280.4  | 8094.6 | 7117.5 | 6016.6 | 5349.2 | 4957.4 | 4750.1 | 4665.4 | 4608.5 | 4593.3 |
| 35°   | 8847.9  | 8271.6 | 6807.9 | 5508.5 | 4771.6 | 4425.2 | 4247.0 | 4154.7 | 4075.1 | 4047.3 |
| 37.5° | 9578.5  | 8425.8 | 6398.3 | 4948.5 | 4267.2 | 3967.7 | 3813.5 | 3669.4 | 3536.7 | 3507.6 |
| 40°   | 10431.7 | 8568.6 | 5921.8 | 4468.2 | 3856.4 | 3618.8 | 3440.6 | 3235.8 | 3041.2 | 3010.8 |
| 42.5° | 11335.5 | 8662.1 | 5440.2 | 4008.1 | 3551.8 | 3338.2 | 3098.0 | 2857.9 | 2686.0 | 2636.7 |
| 45°   | 12272.1 | 8645.7 | 4929.6 | 3617.5 | 3312.9 | 3079.1 | 2820.0 | 2601.3 | 2442.0 | 2413.0 |
| 47.5° | 13096.2 | 8531.9 | 4475.8 | 3285.1 | 3080.3 | 2857.9 | 2608.9 | 2415.5 | 2280.2 | 2251.2 |
| 50°   | 13959.5 | 8352.5 | 4085.2 | 2993.1 | 2871.8 | 2686.0 | 2448.4 | 2282.8 | 2157.6 | 2131.1 |
| 52.5° | 14739.4 | 8176.8 | 3634.0 | 2732.8 | 2698.6 | 2553.3 | 2349.8 | 2228.4 | 2074.2 | 2038.8 |
| 55°   | 15525.6 | 8020.0 | 3177.7 | 2493.9 | 2558.3 | 2461.0 | 2318.2 | 2251.2 | 2084.3 | 2031.2 |
| 57.5° | 16363.6 | 7807.7 | 2758.0 | 2303.0 | 2440.8 | 2453.4 | 2370.0 | 2309.3 | 2150.1 | 2075.5 |
| 60°   | 17153.6 | 7393.1 | 2407.9 | 2161.4 | 2391.5 | 2529.2 | 2378.8 | 2176.6 | 2071.7 | 2004.7 |
| 62.5° | 17751.5 | 6627.1 | 2161.4 | 2085.6 | 2424.3 | 2510.3 | 2222.1 | 2012.3 | 1963.0 | 1926.3 |
| 65°   | 17903.2 | 5417.5 | 1947.8 | 2009.7 | 2319.4 | 2352.3 | 2075.5 | 1889.7 | 1897.3 | 1866.9 |
| 67.5° | 17386.2 | 4046.0 | 1763.3 | 1858.1 | 2119.7 | 2180.4 | 1942.8 | 1774.6 | 1840.4 | 1808.8 |
| 70°   | 15998.4 | 2840.2 | 1593.9 | 1692.5 | 1941.5 | 2028.7 | 1815.1 | 1657.1 | 1705.1 | 1660.9 |
| 71°   | 15223.5 | 2457.2 | 1528.2 | 1620.4 | 1869.4 | 1968.0 | 1760.7 | 1610.3 | 1633.1 | 1577.5 |
| 72.5° | 13558.8 | 2011.0 | 1430.8 | 1510.5 | 1756.9 | 1874.5 | 1687.4 | 1525.6 | 1504.2 | 1467.5 |
| 75°   | 9754.2  | 1518.1 | 1262.7 | 1322.1 | 1568.6 | 1712.7 | 1532.0 | 1385.3 | 1323.4 | 1301.9 |
| 77.5° | 5840.9  | 1176.8 | 1079.4 | 1122.4 | 1391.7 | 1534.5 | 1375.2 | 1233.7 | 1179.3 | 1157.8 |
| 80°   | 2673.3  | 922.7  | 887.3  | 921.5  | 1188.2 | 1356.3 | 1228.6 | 1093.4 | 1026.4 | 998.6  |
| 82.5° | 1094.6  | 700.3  | 676.2  | 719.2  | 988.4  | 1157.8 | 1054.2 | 924.0  | 886.1  | 791.3  |
| 85°   | 506.9   | 460.1  | 455.0  | 490.4  | 695.2  | 851.9  | 773.6  | 676.2  | 577.6  | 559.9  |
| 87.5° | 230.0   | 214.9  | 184.5  | 227.5  | 352.7  | 485.4  | 444.9  | 380.5  | 235.1  | 225.0  |
| 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)