

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: P952746

Luminaire Tested: **GALN-SB6C-730-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6C-730-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 45326 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 300.9  
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

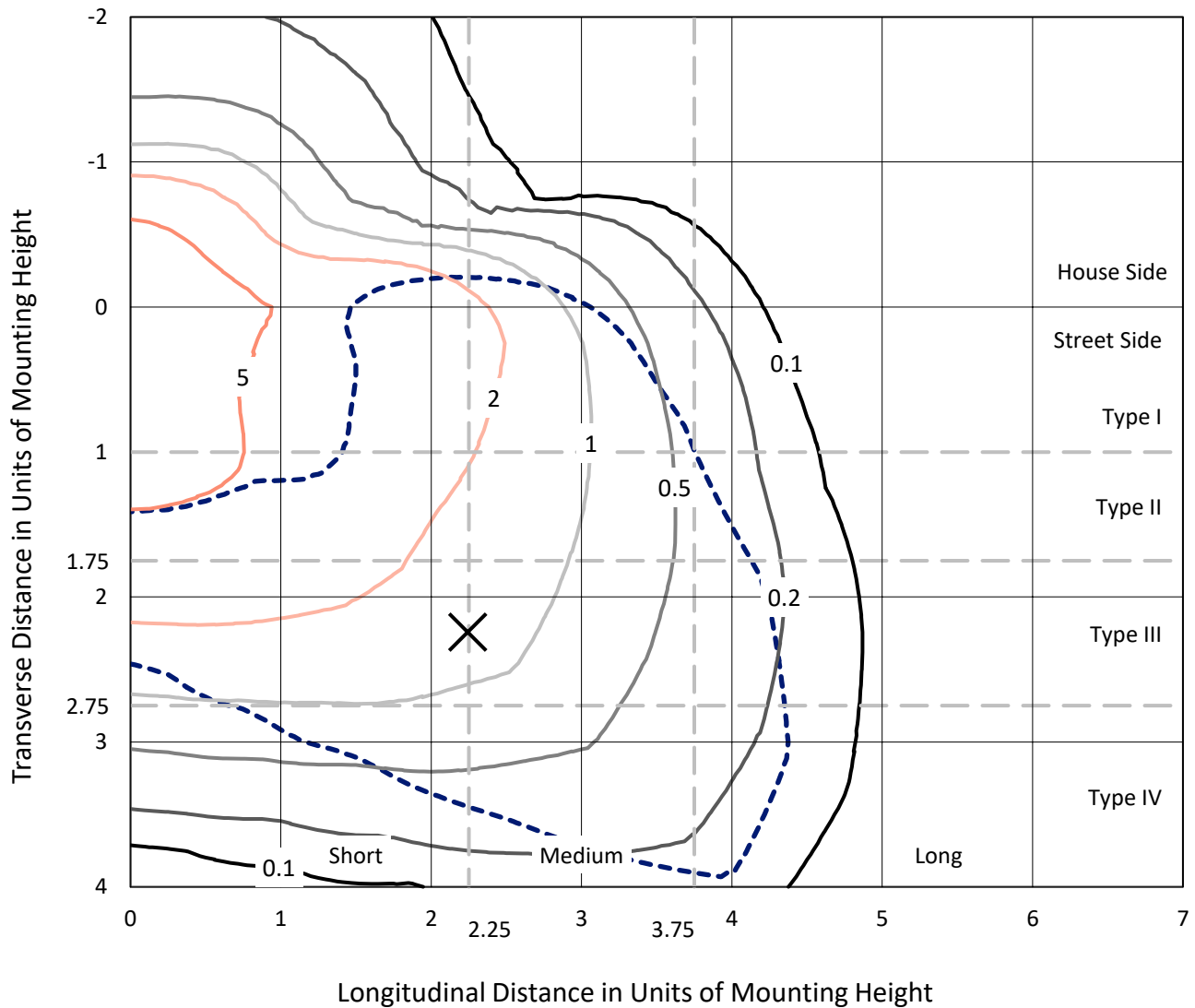


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

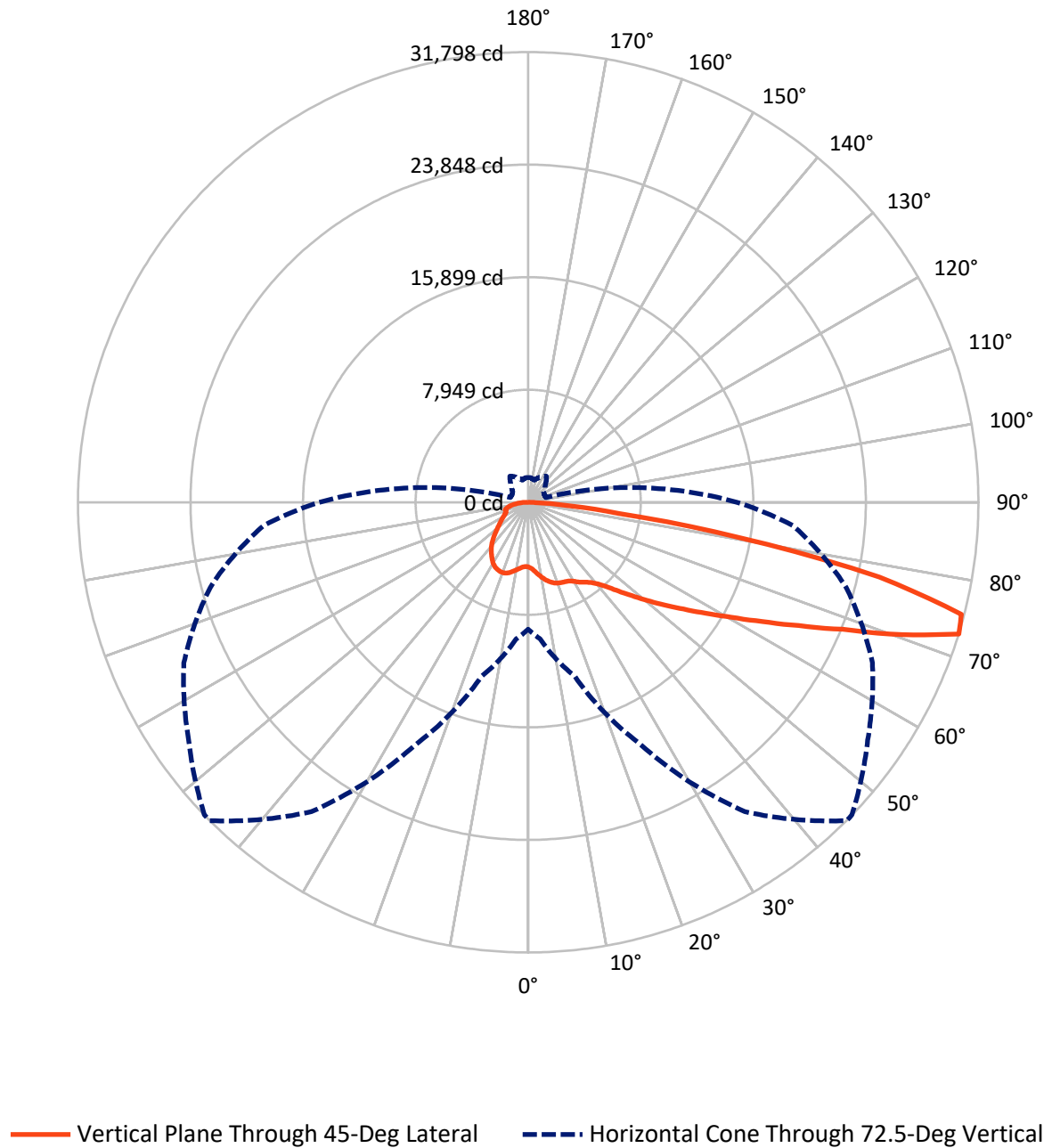


Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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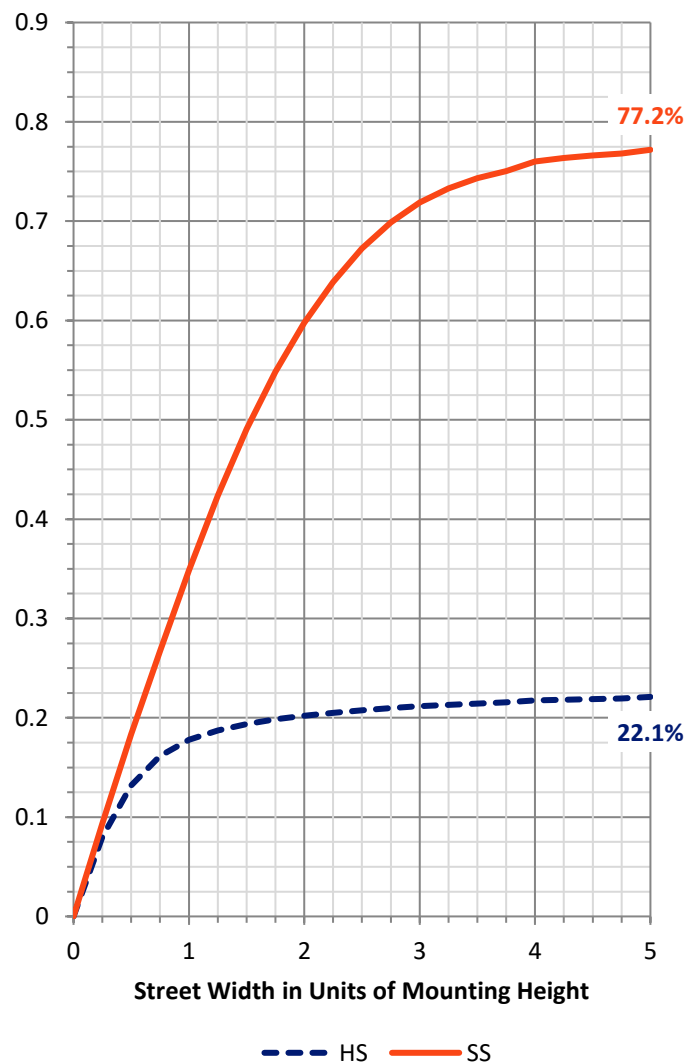
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10246.6  | 0.0    | 10246.6 |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 35079.4  | 0.0    | 35079.4 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 45326.0  | 0.0    | 45326.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 465.4   | 1.0       |
| 10°-20°   | 1551.7  | 3.4       |
| 20°-30°   | 2699.2  | 6.0       |
| 30°-40°   | 3869.5  | 8.5       |
| 40°-50°   | 5448.5  | 12.0      |
| 50°-60°   | 8345.5  | 18.4      |
| 60°-70°   | 12089.6 | 26.7      |
| 70°-80°   | 9654.3  | 21.3      |
| 80°-90°   | 1202.4  | 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°    | 45326.0 | 100.0     |
| 0°-180°   | 45326.0 | 100.0     |

**Coefficient of Utilization**



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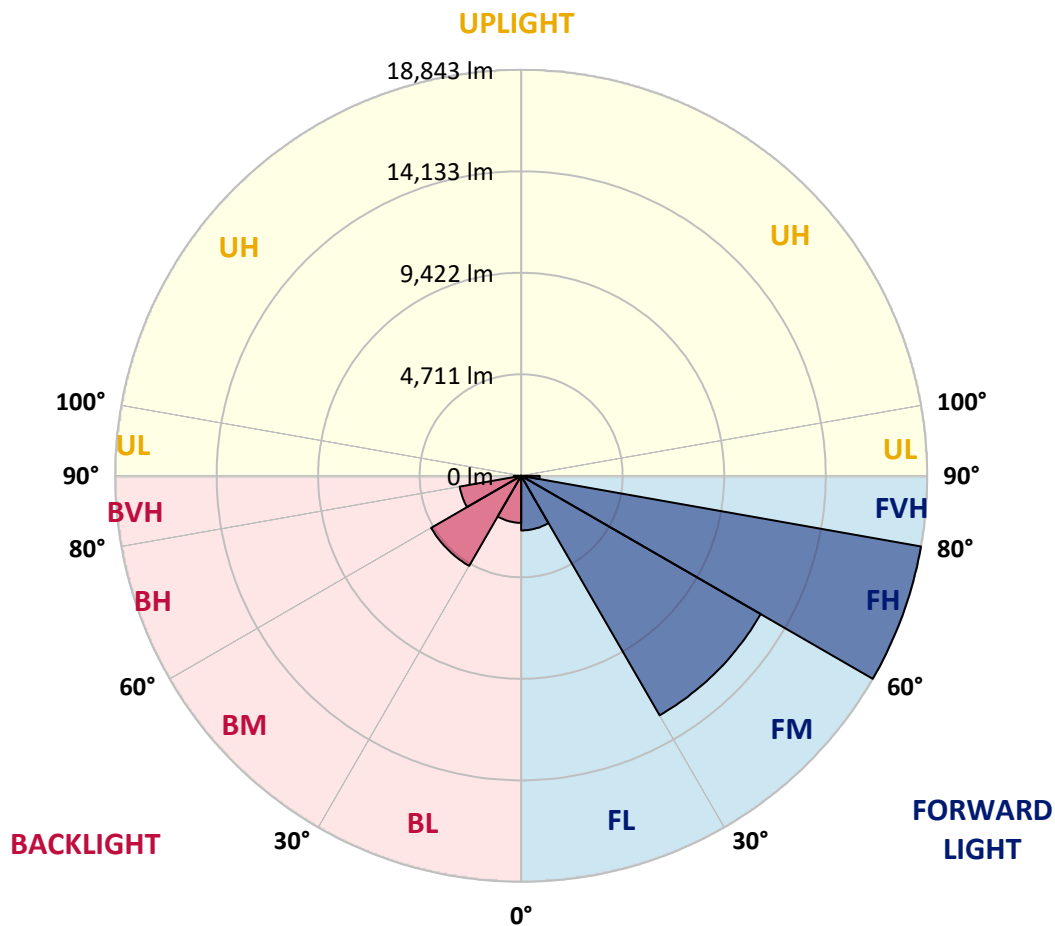
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2534.7  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 12838.7 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 18843.3 | 41.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 862.6   | 1.9       |                         |      | G5      |
| BL   | (0°-30°)    | 2181.6  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4824.7  | 10.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2900.6  | 6.4       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 339.8   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  | 4572.5  |
| 2.5°  | 4751.6  | 4782.6  | 4754.0  | 4727.7  | 4715.8  | 4684.7  | 4682.3  | 4663.2  | 4651.3  | 4617.9  | 4608.3  |
| 5°    | 5083.5  | 5124.1  | 5076.3  | 5023.8  | 4976.0  | 4899.6  | 4890.1  | 4835.2  | 4773.1  | 4701.4  | 4660.9  |
| 7.5°  | 5458.4  | 5494.2  | 5439.3  | 5360.5  | 5276.9  | 5150.3  | 5148.0  | 5047.7  | 4949.8  | 4828.0  | 4758.8  |
| 10°   | 5785.5  | 5833.2  | 5759.2  | 5651.8  | 5546.7  | 5403.4  | 5386.7  | 5272.1  | 5148.0  | 4990.4  | 4885.3  |
| 12.5° | 6074.4  | 6107.8  | 6036.2  | 5904.9  | 5783.1  | 5639.8  | 5618.3  | 5491.8  | 5353.3  | 5174.2  | 5040.5  |
| 15°   | 6303.6  | 6346.6  | 6251.1  | 6110.2  | 5981.3  | 5840.4  | 5821.3  | 5706.7  | 5568.2  | 5379.6  | 5207.6  |
| 17.5° | 6454.0  | 6489.9  | 6392.0  | 6234.4  | 6110.2  | 5993.2  | 5978.9  | 5883.4  | 5761.6  | 5570.6  | 5386.7  |
| 20°   | 6511.4  | 6549.6  | 6446.9  | 6286.9  | 6172.3  | 6081.6  | 6074.4  | 6005.2  | 5921.6  | 5747.3  | 5561.0  |
| 22.5° | 6568.7  | 6604.5  | 6470.8  | 6303.6  | 6203.3  | 6146.0  | 6143.6  | 6098.3  | 6064.8  | 5921.6  | 5740.1  |
| 25°   | 6800.3  | 6809.8  | 6630.7  | 6389.6  | 6246.3  | 6196.2  | 6193.8  | 6191.4  | 6205.7  | 6093.5  | 5933.5  |
| 27.5° | 7000.8  | 6998.4  | 6845.6  | 6618.8  | 6396.7  | 6291.7  | 6289.3  | 6313.2  | 6358.5  | 6265.4  | 6134.1  |
| 30°   | 7294.5  | 7268.3  | 7086.8  | 6850.4  | 6647.5  | 6485.1  | 6470.8  | 6449.3  | 6485.1  | 6411.1  | 6334.7  |
| 32.5° | 7917.7  | 7834.2  | 7540.5  | 7120.2  | 6855.2  | 6731.0  | 6711.9  | 6578.2  | 6592.5  | 6547.2  | 6509.0  |
| 35°   | 8810.7  | 8700.9  | 8309.3  | 7631.2  | 7113.1  | 6936.4  | 6926.8  | 6757.3  | 6728.6  | 6688.0  | 6702.4  |
| 37.5° | 9873.3  | 9737.2  | 9281.1  | 8371.4  | 7557.2  | 7175.1  | 7160.8  | 7008.0  | 6891.0  | 6848.0  | 6929.2  |
| 40°   | 10940.6 | 10768.7 | 10391.4 | 9274.0  | 8211.4  | 7573.9  | 7528.5  | 7296.9  | 7163.2  | 7091.6  | 7263.5  |
| 42.5° | 11976.9 | 11833.6 | 11511.3 | 10286.4 | 9018.5  | 8156.5  | 8056.2  | 7659.9  | 7559.6  | 7492.7  | 7803.1  |
| 45°   | 12893.8 | 12764.8 | 12528.4 | 11368.0 | 9964.0  | 8949.2  | 8851.3  | 8204.3  | 8173.2  | 8173.2  | 8622.1  |
| 47.5° | 13638.7 | 13610.1 | 13359.4 | 12471.1 | 11079.1 | 9851.8  | 9682.3  | 8961.2  | 9044.7  | 9173.7  | 9784.9  |
| 50°   | 14464.9 | 14386.1 | 14118.7 | 13557.6 | 12390.0 | 10885.7 | 10747.2 | 9890.0  | 10202.8 | 10556.2 | 11465.9 |
| 52.5° | 15224.2 | 15267.2 | 14968.7 | 14689.3 | 13870.3 | 12039.0 | 11795.4 | 10986.0 | 11661.7 | 12246.7 | 13435.8 |
| 55°   | 16005.0 | 16007.4 | 15923.8 | 15885.6 | 15422.4 | 13314.0 | 13046.6 | 12304.0 | 13378.5 | 14104.3 | 15732.8 |
| 57.5° | 16738.0 | 16742.8 | 16867.0 | 17203.6 | 17222.7 | 14784.9 | 14481.6 | 13922.9 | 15286.3 | 16026.5 | 18101.4 |
| 60°   | 17392.3 | 17425.7 | 17764.7 | 18552.7 | 18805.8 | 16470.6 | 16184.1 | 15835.5 | 17258.5 | 18003.5 | 20591.8 |
| 62.5° | 17611.9 | 17733.7 | 18488.2 | 19608.1 | 20369.8 | 18538.4 | 18256.6 | 18048.9 | 19331.1 | 20023.5 | 22673.9 |
| 65°   | 17239.4 | 17518.8 | 18977.7 | 20479.6 | 21979.1 | 20995.3 | 20716.0 | 20489.1 | 21484.8 | 22136.7 | 24383.5 |
| 67.5° | 16324.9 | 16685.5 | 18949.1 | 21394.1 | 23932.3 | 23951.4 | 23691.1 | 23158.6 | 23793.8 | 24044.5 | 24939.9 |
| 70°   | 13915.7 | 14455.3 | 17280.0 | 21735.5 | 26174.3 | 27993.8 | 27743.1 | 26372.5 | 26097.9 | 24885.0 | 23373.5 |
| 72.5° | 8965.9  | 9691.8  | 12724.2 | 18925.2 | 26673.4 | 31797.5 | 31783.1 | 29273.6 | 26826.2 | 23251.8 | 18746.1 |
| 75°   | 3271.2  | 3715.3  | 5912.0  | 11879.0 | 22389.8 | 31604.1 | 31697.2 | 28777.0 | 24488.6 | 17960.5 | 11678.4 |
| 77.5° | 1191.5  | 1303.7  | 1929.3  | 4565.3  | 13770.1 | 25357.7 | 25551.1 | 23005.8 | 17430.5 | 9013.7  | 4627.4  |
| 80°   | 625.6   | 687.7   | 988.5   | 1771.7  | 5900.1  | 15059.4 | 15362.7 | 13672.2 | 8192.3  | 2714.9  | 1387.3  |
| 82.5° | 346.2   | 374.9   | 554.0   | 962.3   | 2657.5  | 6439.7  | 6621.2  | 5401.1  | 2882.0  | 1150.9  | 573.1   |
| 85°   | 186.2   | 198.2   | 260.3   | 525.3   | 1298.9  | 2232.5  | 2282.7  | 1614.1  | 1148.5  | 675.7   | 277.0   |
| 87.5° | 54.9    | 66.9    | 86.0    | 167.1   | 508.6   | 501.4   | 513.4   | 320.0   | 453.7   | 341.4   | 90.7    |
| 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):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4572.5  | 4572.5  | 4572.5 | 4572.5 | 4572.5 | 4572.5 | 4572.5 | 4572.5 | 4572.5 | 4572.5 | 4572.5 |
| 2.5°  | 4594.0  | 4586.8  | 4560.6 | 4548.6 | 4534.3 | 4531.9 | 4543.9 | 4546.2 | 4548.6 | 4551.0 | 4560.6 |
| 5°    | 4637.0  | 4613.1  | 4589.2 | 4574.9 | 4579.7 | 4582.1 | 4605.9 | 4622.7 | 4634.6 | 4644.1 | 4648.9 |
| 7.5°  | 4720.6  | 4701.4  | 4660.9 | 4658.5 | 4665.6 | 4687.1 | 4718.2 | 4756.4 | 4777.9 | 4794.6 | 4799.3 |
| 10°   | 4844.7  | 4808.9  | 4761.1 | 4768.3 | 4782.6 | 4813.7 | 4878.1 | 4909.2 | 4945.0 | 4976.0 | 4968.9 |
| 12.5° | 4971.3  | 4940.2  | 4885.3 | 4890.1 | 4914.0 | 4968.9 | 5031.0 | 5069.2 | 5093.0 | 5116.9 | 5126.5 |
| 15°   | 5136.0  | 5081.1  | 5021.4 | 5021.4 | 5064.4 | 5124.1 | 5152.7 | 5183.8 | 5198.1 | 5224.4 | 5233.9 |
| 17.5° | 5305.5  | 5233.9  | 5155.1 | 5150.3 | 5202.9 | 5231.5 | 5248.2 | 5253.0 | 5257.8 | 5286.4 | 5296.0 |
| 20°   | 5475.1  | 5396.3  | 5284.1 | 5274.5 | 5286.4 | 5281.7 | 5279.3 | 5274.5 | 5281.7 | 5317.5 | 5331.8 |
| 22.5° | 5642.2  | 5551.5  | 5396.3 | 5353.3 | 5319.9 | 5274.5 | 5272.1 | 5269.7 | 5274.5 | 5310.3 | 5334.2 |
| 25°   | 5838.0  | 5728.2  | 5520.4 | 5391.5 | 5279.3 | 5217.2 | 5224.4 | 5226.8 | 5231.5 | 5260.2 | 5298.4 |
| 27.5° | 6050.5  | 5928.7  | 5635.1 | 5379.6 | 5176.6 | 5133.6 | 5121.7 | 5128.9 | 5145.6 | 5190.9 | 5236.3 |
| 30°   | 6263.0  | 6119.8  | 5740.1 | 5331.8 | 5047.7 | 4988.0 | 4949.8 | 4966.5 | 5019.0 | 5064.4 | 5114.5 |
| 32.5° | 6456.4  | 6313.2  | 5823.7 | 5226.8 | 4882.9 | 4789.8 | 4739.7 | 4761.1 | 4813.7 | 4830.4 | 4890.1 |
| 35°   | 6683.3  | 6520.9  | 5859.5 | 5059.6 | 4703.8 | 4560.6 | 4493.7 | 4462.7 | 4488.9 | 4472.2 | 4524.8 |
| 37.5° | 6936.4  | 6766.8  | 5854.7 | 4839.9 | 4493.7 | 4329.0 | 4235.8 | 4118.8 | 4063.9 | 4006.6 | 4042.4 |
| 40°   | 7311.2  | 7067.7  | 5797.4 | 4574.9 | 4233.5 | 4083.0 | 3915.9 | 3717.7 | 3593.5 | 3481.3 | 3488.5 |
| 42.5° | 7822.2  | 7485.5  | 5692.4 | 4283.6 | 3939.8 | 3798.9 | 3572.1 | 3340.4 | 3144.6 | 2958.4 | 2941.7 |
| 45°   | 8583.9  | 8032.3  | 5561.0 | 3973.2 | 3622.2 | 3483.7 | 3237.8 | 2977.5 | 2755.4 | 2516.7 | 2488.0 |
| 47.5° | 9682.3  | 8767.8  | 5436.9 | 3619.8 | 3287.9 | 3161.4 | 2939.3 | 2698.1 | 2435.5 | 2203.9 | 2177.6 |
| 50°   | 11191.3 | 9823.1  | 5322.3 | 3276.0 | 2958.4 | 2862.9 | 2686.2 | 2440.3 | 2175.2 | 1989.0 | 1977.0 |
| 52.5° | 13111.0 | 11258.2 | 5274.5 | 2944.1 | 2650.4 | 2614.6 | 2473.7 | 2244.5 | 1993.8 | 1836.2 | 1824.2 |
| 55°   | 15314.9 | 12974.9 | 5274.5 | 2626.5 | 2380.6 | 2392.5 | 2294.6 | 2082.1 | 1864.8 | 1723.9 | 1709.6 |
| 57.5° | 17564.2 | 14713.2 | 5179.0 | 2332.8 | 2151.3 | 2201.5 | 2139.4 | 1953.2 | 1757.4 | 1611.7 | 1587.8 |
| 60°   | 19636.7 | 16169.7 | 4792.2 | 2065.4 | 1948.4 | 2027.2 | 1986.6 | 1826.6 | 1587.8 | 1466.1 | 1447.0 |
| 62.5° | 21229.3 | 16991.1 | 4047.2 | 1852.9 | 1781.2 | 1872.0 | 1850.5 | 1659.5 | 1556.8 | 1506.7 | 1489.9 |
| 65°   | 22026.8 | 16857.4 | 3094.5 | 1664.3 | 1640.4 | 1781.2 | 1735.9 | 1728.7 | 1647.5 | 1590.2 | 1571.1 |
| 67.5° | 21537.4 | 15706.5 | 2244.5 | 1525.8 | 1559.2 | 1697.7 | 1872.0 | 1900.6 | 1750.2 | 1638.0 | 1618.9 |
| 70°   | 19390.8 | 13624.4 | 1671.4 | 1394.4 | 1456.5 | 1700.1 | 2134.6 | 1989.0 | 1716.8 | 1585.5 | 1564.0 |
| 72.5° | 14751.4 | 10159.8 | 1296.5 | 1255.9 | 1322.8 | 1712.0 | 2251.6 | 1948.4 | 1621.3 | 1752.6 | 1738.3 |
| 75°   | 8435.9  | 5577.7  | 1041.1 | 1086.4 | 1155.7 | 1599.8 | 2191.9 | 1843.3 | 1547.3 | 1609.3 | 1609.3 |
| 77.5° | 3216.3  | 2144.2  | 859.6  | 919.3  | 928.8  | 1396.8 | 2096.4 | 1836.2 | 1473.2 | 1437.4 | 1310.9 |
| 80°   | 1115.1  | 838.1   | 711.5  | 730.6  | 718.7  | 1241.6 | 2010.5 | 1597.4 | 1205.8 | 1079.3 | 1043.4 |
| 82.5° | 456.1   | 417.9   | 563.5  | 539.6  | 511.0  | 964.6  | 1623.7 | 1306.1 | 986.1  | 871.5  | 862.0  |
| 85°   | 198.2   | 265.0   | 372.5  | 327.1  | 296.1  | 668.6  | 1301.3 | 1105.5 | 833.3  | 718.7  | 716.3  |
| 87.5° | 40.6    | 100.3   | 157.6  | 148.0  | 152.8  | 446.5  | 924.1  | 785.6  | 589.8  | 441.7  | 346.2  |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)