

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: P951269

Luminaire Tested: **GALN-SB5C-722-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5C-722-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 26460 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 249.5  
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: 24 FT



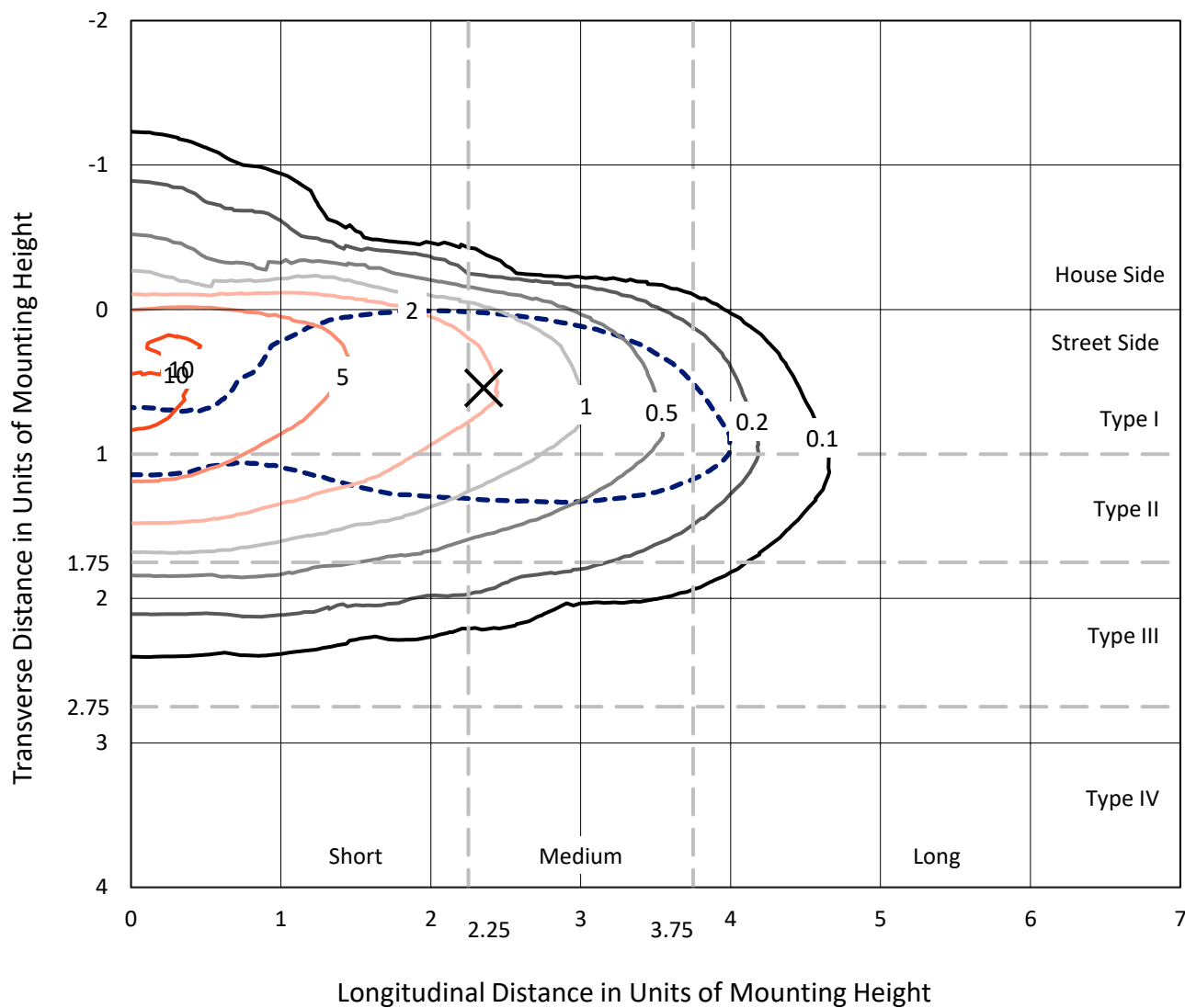
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

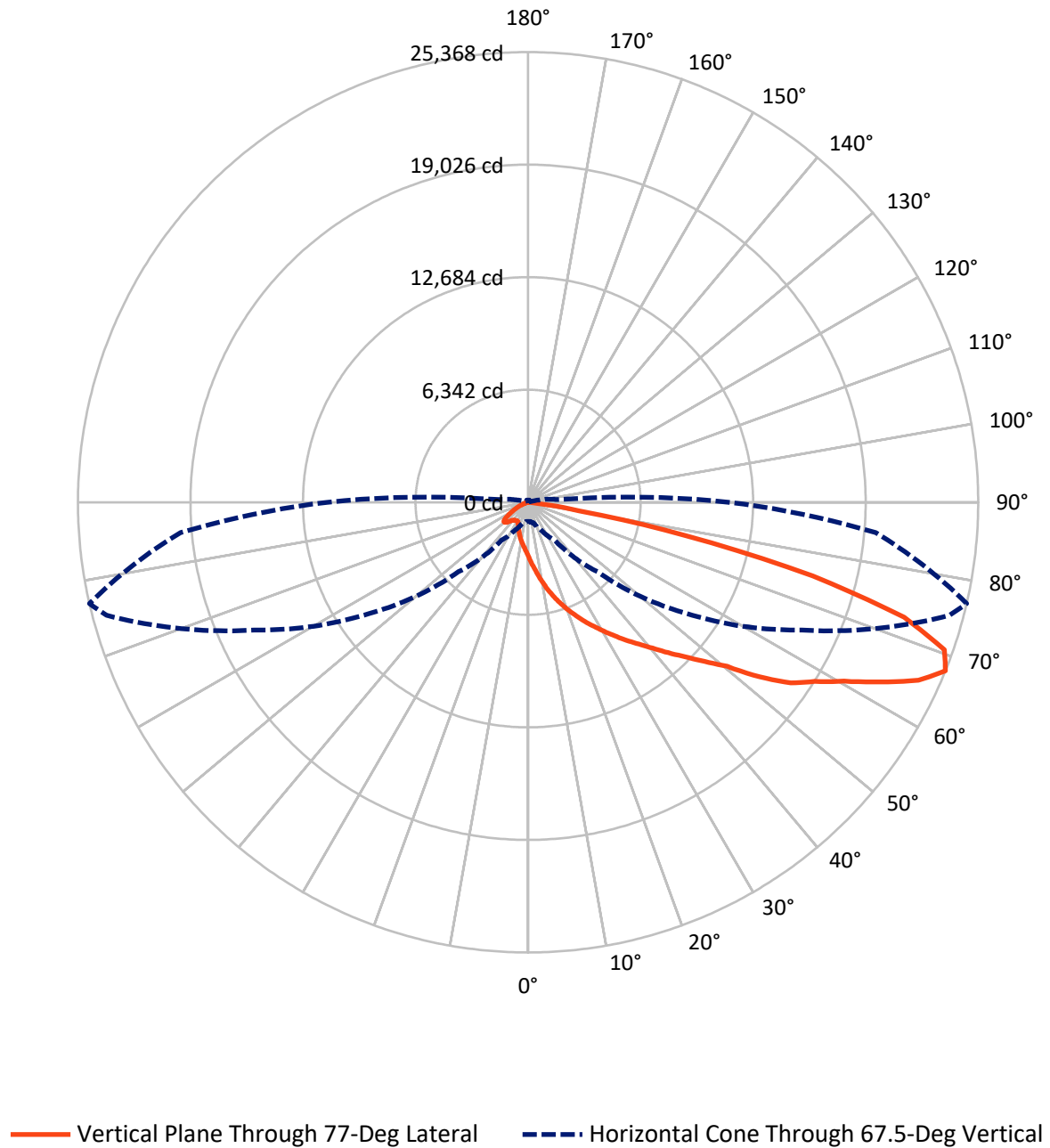
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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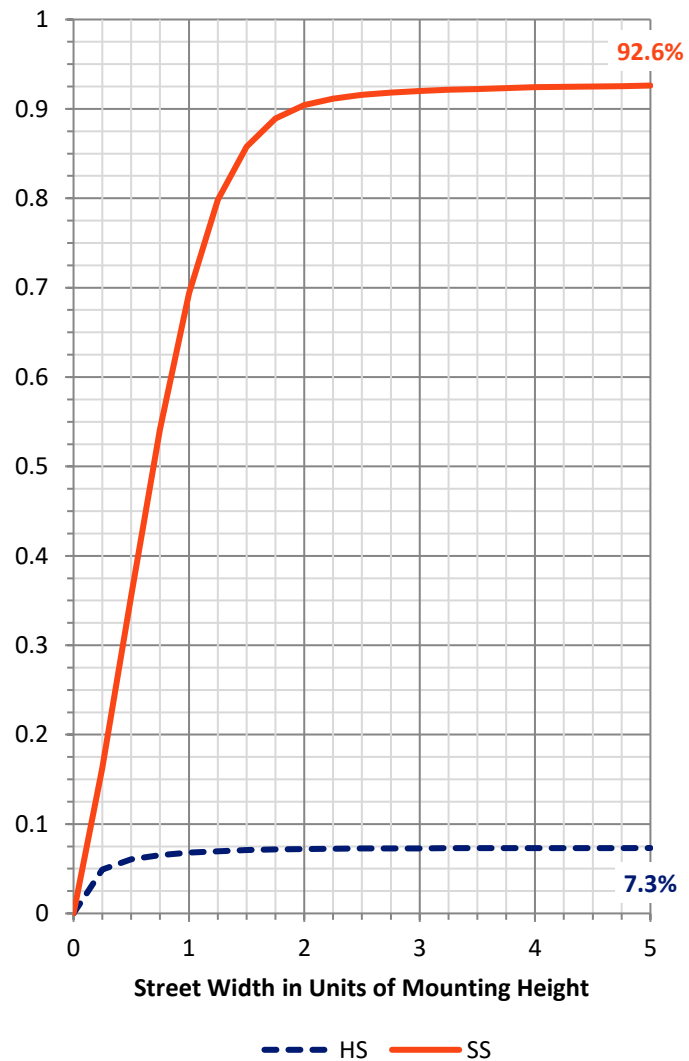
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1946.7   | 0.0    | 1946.7  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 24513.3  | 0.0    | 24513.3 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 26460.0  | 0.0    | 26460.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 311.4   | 1.2       |
| 10°-20°   | 1090.6  | 4.1       |
| 20°-30°   | 2104.5  | 8.0       |
| 30°-40°   | 3653.6  | 13.8      |
| 40°-50°   | 5304.8  | 20.0      |
| 50°-60°   | 6091.9  | 23.0      |
| 60°-70°   | 5288.9  | 20.0      |
| 70°-80°   | 2491.1  | 9.4       |
| 80°-90°   | 123.2   | 0.5       |
| 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°    | 26460.0 | 100.0     |
| 0°-180°   | 26460.0 | 100.0     |

**Coefficient of Utilization**



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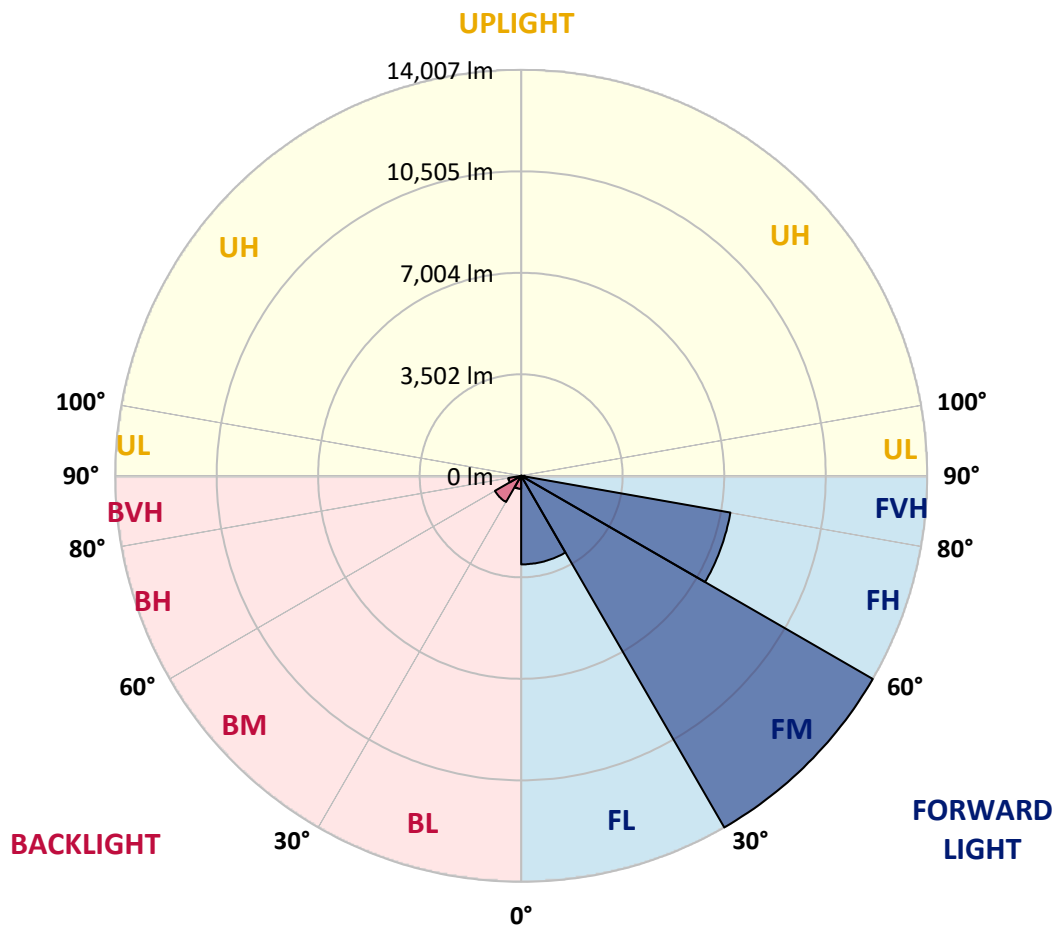
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3055.8  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 14007.2 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 7329.3  | 27.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 120.9   | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 450.7   | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1043.1  | 3.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 450.7   | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.3     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  | 3051.2  |
| 2.5°  | 4224.4  | 4250.7  | 4212.9  | 4140.6  | 4032.2  | 3961.5  | 3789.0  | 3626.3  | 3445.6  | 3388.1  | 3207.3  |
| 5°    | 5149.5  | 5172.5  | 5129.7  | 5050.9  | 4906.3  | 4768.3  | 4541.5  | 4201.4  | 3848.1  | 3734.8  | 3414.4  |
| 7.5°  | 5834.6  | 5847.8  | 5831.3  | 5759.0  | 5621.0  | 5464.9  | 5211.9  | 4809.3  | 4285.2  | 4160.3  | 3669.0  |
| 10°   | 6327.6  | 6370.3  | 6365.3  | 6337.4  | 6245.4  | 6118.9  | 5849.4  | 5391.0  | 4774.8  | 4613.8  | 3956.6  |
| 12.5° | 6654.5  | 6702.2  | 6730.1  | 6792.6  | 6787.6  | 6707.1  | 6470.5  | 5985.8  | 5262.8  | 5073.9  | 4280.3  |
| 15°   | 6749.8  | 6800.8  | 6907.6  | 7052.2  | 7180.3  | 7221.4  | 7055.4  | 6569.1  | 5800.1  | 5558.6  | 4612.2  |
| 17.5° | 6695.6  | 6774.5  | 6902.6  | 7131.0  | 7412.0  | 7597.7  | 7579.6  | 7132.7  | 6288.1  | 6012.1  | 4937.5  |
| 20°   | 6815.6  | 6891.1  | 6991.4  | 7183.6  | 7510.6  | 7847.4  | 7982.2  | 7671.6  | 6772.8  | 6483.7  | 5279.3  |
| 22.5° | 7479.4  | 7466.2  | 7476.1  | 7507.3  | 7702.8  | 8036.4  | 8314.1  | 8161.3  | 7252.6  | 6956.9  | 5640.7  |
| 25°   | 8530.9  | 8471.8  | 8371.6  | 8202.3  | 8153.0  | 8314.1  | 8603.2  | 8595.0  | 7758.7  | 7441.6  | 6010.4  |
| 27.5° | 9737.0  | 9727.1  | 9492.2  | 9084.7  | 8854.6  | 8792.2  | 8930.2  | 9017.3  | 8259.8  | 7921.4  | 6381.8  |
| 30°   | 10892.1 | 10918.4 | 10601.2 | 10147.8 | 9725.5  | 9480.7  | 9355.8  | 9418.2  | 8769.2  | 8438.9  | 6764.6  |
| 32.5° | 11897.6 | 11925.6 | 11580.5 | 11049.8 | 10527.3 | 10231.6 | 9968.7  | 9814.2  | 9324.6  | 8964.7  | 7185.3  |
| 35°   | 12747.1 | 12775.1 | 12379.1 | 11792.5 | 11235.5 | 10967.7 | 10670.3 | 10248.0 | 9883.2  | 9548.0  | 7653.5  |
| 37.5° | 13506.2 | 13498.0 | 12967.3 | 12375.8 | 11828.6 | 11616.7 | 11460.6 | 10782.0 | 10458.3 | 10134.6 | 8172.8  |
| 40°   | 13954.8 | 13989.3 | 13535.8 | 12883.5 | 12352.8 | 12198.3 | 12188.5 | 11444.2 | 11122.1 | 10808.3 | 8741.3  |
| 42.5° | 14086.3 | 14147.0 | 13818.4 | 13282.8 | 12801.4 | 12633.8 | 12891.7 | 12160.5 | 11894.4 | 11588.7 | 9383.7  |
| 45°   | 13849.6 | 13908.8 | 13759.3 | 13387.9 | 13107.0 | 12998.5 | 13496.4 | 12903.2 | 12719.2 | 12416.9 | 10108.3 |
| 47.5° | 13159.5 | 13233.5 | 13269.6 | 13190.8 | 13187.5 | 13297.6 | 14038.6 | 13685.3 | 13698.5 | 13389.6 | 10947.9 |
| 50°   | 11823.7 | 11948.6 | 12280.5 | 12559.8 | 12992.0 | 13534.2 | 14566.0 | 14533.2 | 14802.6 | 14536.5 | 12042.2 |
| 52.5° | 9395.2  | 9572.7  | 10716.3 | 11480.3 | 12451.4 | 13489.8 | 15146.0 | 15893.7 | 16739.8 | 16350.4 | 13585.1 |
| 55°   | 7550.0  | 7550.0  | 8480.0  | 9909.5  | 11396.5 | 13197.3 | 15399.1 | 16777.6 | 18059.3 | 17967.2 | 14671.2 |
| 57.5° | 6155.0  | 6229.0  | 6822.1  | 8085.7  | 9870.1  | 12500.7 | 15555.2 | 17333.0 | 19122.3 | 19055.0 | 15732.6 |
| 60°   | 3798.8  | 3958.2  | 5078.8  | 6325.9  | 8133.3  | 11260.1 | 15456.6 | 17894.9 | 20412.2 | 20466.4 | 17011.0 |
| 62.5° | 2139.3  | 2198.5  | 2698.0  | 4551.4  | 6324.3  | 9592.4  | 14702.4 | 18208.8 | 22061.8 | 22291.9 | 18328.7 |
| 65°   | 1477.1  | 1506.7  | 1699.0  | 2832.7  | 4383.8  | 7637.1  | 13228.6 | 18013.2 | 23714.8 | 24179.8 | 19446.0 |
| 67.5° | 1072.9  | 1087.7  | 1207.7  | 1730.2  | 2601.0  | 5537.2  | 10918.4 | 17027.4 | 24590.6 | 25367.7 | 19659.6 |
| 70°   | 824.8   | 834.7   | 921.8   | 1137.0  | 1536.3  | 3417.6  | 7929.6  | 15067.2 | 23956.3 | 24884.7 | 18565.3 |
| 72.5° | 670.4   | 680.2   | 747.6   | 841.3   | 1018.7  | 2021.0  | 4806.1  | 12236.1 | 21156.5 | 22158.8 | 15804.9 |
| 75°   | 565.2   | 578.4   | 639.2   | 700.0   | 798.5   | 1298.0  | 2254.3  | 8521.1  | 15910.1 | 16567.3 | 10990.7 |
| 77.5° | 313.8   | 289.2   | 519.2   | 580.0   | 673.7   | 821.5   | 1054.9  | 5014.7  | 8910.5  | 9092.9  | 4876.7  |
| 80°   | 195.5   | 202.1   | 412.4   | 466.6   | 517.6   | 414.1   | 483.1   | 1930.6  | 3089.0  | 2934.6  | 944.8   |
| 82.5° | 11.5    | 26.3    | 317.1   | 336.8   | 354.9   | 177.5   | 182.4   | 655.6   | 744.3   | 683.5   | 167.6   |
| 85°   | 0.0     | 0.0     | 144.6   | 116.7   | 123.2   | 50.9    | 52.6    | 152.8   | 100.2   | 108.4   | 32.9    |
| 87.5° | 0.0     | 0.0     | 0.0     | 3.3     | 0.0     | 4.9     | 9.9     | 13.1    | 4.9     | 6.6     | 11.5    |
| 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°    | 3051.2  | 3051.2 | 3051.2 | 3051.2 | 3051.2 | 3051.2 | 3051.2 | 3051.2 | 3051.2 | 3051.2 | 3051.2 |
| 2.5°  | 3092.3  | 2977.3 | 2744.0 | 2515.6 | 2329.9 | 2157.4 | 2034.2 | 1917.5 | 1858.3 | 1855.1 | 1851.8 |
| 5°    | 3186.0  | 2944.4 | 2477.8 | 2065.4 | 1733.5 | 1467.3 | 1294.8 | 1171.5 | 1109.1 | 1087.7 | 1084.4 |
| 7.5°  | 3317.4  | 2954.3 | 2244.5 | 1671.0 | 1280.0 | 1051.6 | 953.0  | 913.6  | 900.4  | 885.6  | 882.3  |
| 10°   | 3483.4  | 2977.3 | 2035.8 | 1345.7 | 1008.9 | 893.8  | 854.4  | 838.0  | 828.1  | 818.3  | 815.0  |
| 12.5° | 3669.0  | 2998.6 | 1828.8 | 1117.3 | 887.3  | 828.1  | 800.2  | 780.5  | 767.3  | 755.8  | 752.5  |
| 15°   | 3849.8  | 3011.8 | 1613.5 | 957.9  | 824.8  | 777.2  | 747.6  | 726.2  | 708.2  | 695.0  | 693.4  |
| 17.5° | 4028.9  | 3029.9 | 1411.4 | 862.6  | 773.9  | 726.2  | 696.7  | 670.4  | 655.6  | 640.8  | 639.2  |
| 20°   | 4227.7  | 3026.6 | 1220.8 | 795.3  | 723.0  | 675.3  | 644.1  | 619.4  | 604.7  | 588.2  | 586.6  |
| 22.5° | 4411.7  | 3010.1 | 1053.2 | 737.7  | 670.4  | 624.4  | 589.9  | 565.2  | 550.4  | 537.3  | 535.6  |
| 25°   | 4623.7  | 2997.0 | 913.6  | 685.2  | 621.1  | 575.1  | 537.3  | 514.3  | 497.9  | 486.4  | 484.7  |
| 27.5° | 4827.4  | 2977.3 | 811.7  | 637.5  | 573.4  | 529.1  | 492.9  | 466.6  | 451.9  | 443.6  | 443.6  |
| 30°   | 5027.9  | 2972.4 | 773.9  | 591.5  | 530.7  | 486.4  | 450.2  | 425.6  | 414.1  | 410.8  | 409.1  |
| 32.5° | 5269.4  | 2985.5 | 790.3  | 575.1  | 491.3  | 446.9  | 412.4  | 394.3  | 382.8  | 382.8  | 382.8  |
| 35°   | 5527.4  | 2982.2 | 815.0  | 589.9  | 465.0  | 407.5  | 381.2  | 369.7  | 358.2  | 358.2  | 358.2  |
| 37.5° | 5851.1  | 2987.1 | 834.7  | 614.5  | 455.1  | 374.6  | 359.8  | 345.0  | 338.5  | 338.5  | 338.5  |
| 40°   | 6334.1  | 3149.8 | 824.8  | 635.9  | 451.9  | 351.6  | 322.0  | 317.1  | 312.2  | 312.2  | 312.2  |
| 42.5° | 6925.6  | 3503.1 | 838.0  | 637.5  | 450.2  | 335.2  | 295.8  | 305.6  | 294.1  | 292.5  | 290.8  |
| 45°   | 7573.0  | 3889.2 | 921.8  | 603.0  | 448.6  | 327.0  | 282.6  | 294.1  | 276.0  | 276.0  | 276.0  |
| 47.5° | 8215.5  | 4272.0 | 1007.2 | 553.7  | 443.6  | 325.3  | 271.1  | 264.5  | 259.6  | 261.3  | 261.3  |
| 50°   | 9101.1  | 4584.2 | 1040.1 | 486.4  | 432.1  | 322.0  | 249.8  | 251.4  | 248.1  | 251.4  | 251.4  |
| 52.5° | 10065.6 | 4650.0 | 1000.6 | 410.8  | 399.3  | 312.2  | 235.0  | 241.5  | 239.9  | 243.2  | 243.2  |
| 55°   | 10667.0 | 4579.3 | 826.5  | 341.8  | 348.3  | 272.8  | 220.2  | 233.3  | 233.3  | 233.3  | 233.3  |
| 57.5° | 11288.1 | 4278.6 | 586.6  | 277.7  | 289.2  | 223.5  | 207.0  | 225.1  | 223.5  | 221.8  | 221.8  |
| 60°   | 11735.0 | 3792.3 | 386.1  | 228.4  | 230.0  | 184.0  | 192.2  | 212.0  | 210.3  | 202.1  | 202.1  |
| 62.5° | 12068.5 | 3255.0 | 248.1  | 193.9  | 175.8  | 166.0  | 175.8  | 192.2  | 185.7  | 167.6  | 164.3  |
| 65°   | 12030.7 | 2510.6 | 190.6  | 166.0  | 144.6  | 144.6  | 152.8  | 167.6  | 147.9  | 118.3  | 115.0  |
| 67.5° | 11329.1 | 1699.0 | 157.7  | 139.7  | 121.6  | 119.9  | 126.5  | 139.7  | 126.5  | 100.2  | 96.9   |
| 70°   | 10075.5 | 1110.7 | 126.5  | 108.4  | 96.9   | 88.7   | 101.9  | 119.9  | 106.8  | 80.5   | 77.2   |
| 72.5° | 8177.7  | 677.0  | 95.3   | 78.9   | 70.7   | 57.5   | 80.5   | 98.6   | 85.4   | 59.2   | 55.9   |
| 75°   | 5290.8  | 345.0  | 65.7   | 50.9   | 37.8   | 34.5   | 59.2   | 73.9   | 59.2   | 36.1   | 31.2   |
| 77.5° | 2024.3  | 144.6  | 36.1   | 23.0   | 19.7   | 16.4   | 32.9   | 44.4   | 24.6   | 8.2    | 6.6    |
| 80°   | 389.4   | 60.8   | 18.1   | 11.5   | 9.9    | 6.6    | 4.9    | 3.3    | 0.0    | 0.0    | 0.0    |
| 82.5° | 67.4    | 19.7   | 6.6    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 23.0    | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 8.2     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)