

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: P954125

Luminaire Tested: **GALN-SB7C-722-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954125  
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-SB7C-722-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 37252 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 350.5  
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



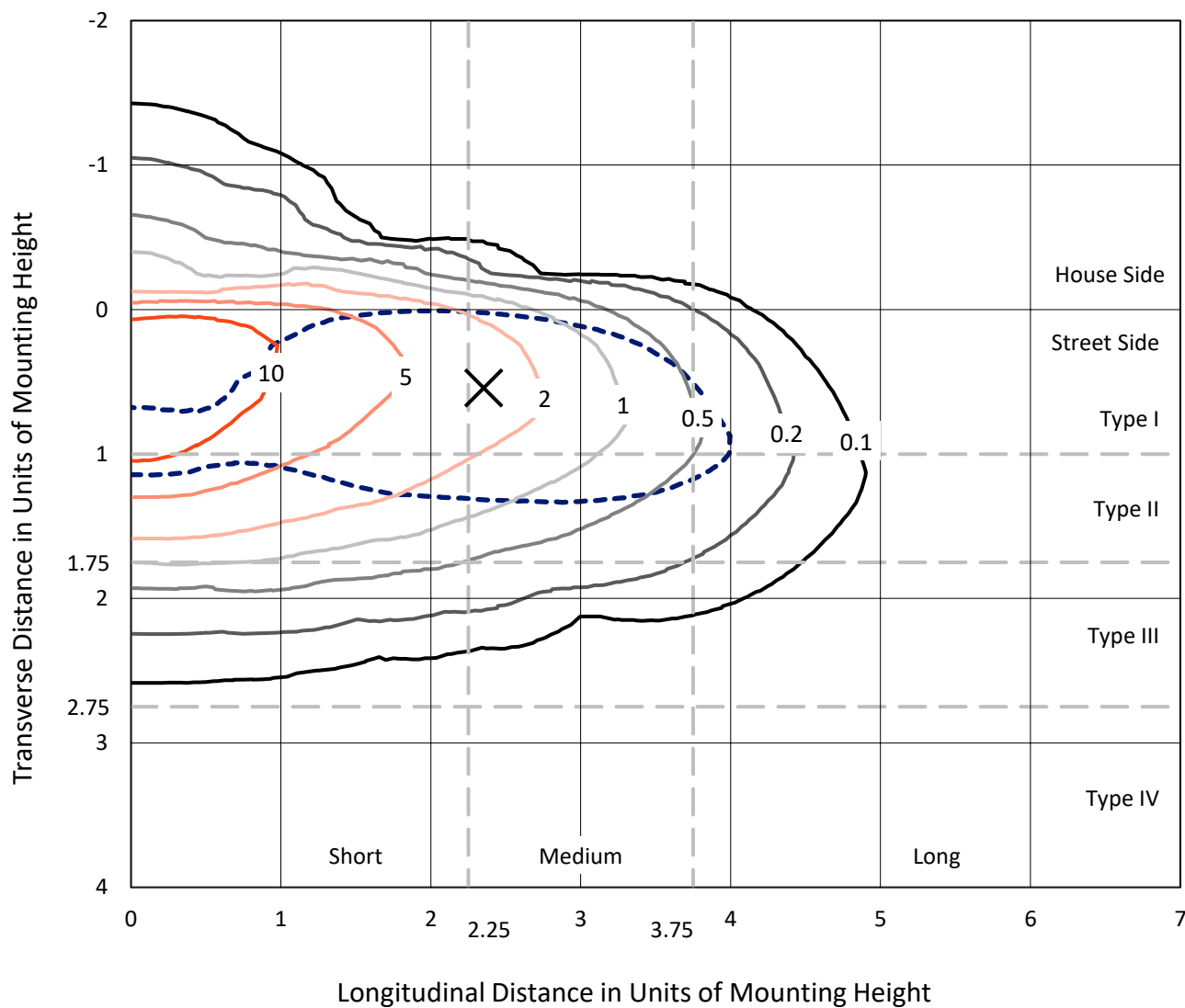
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## Iso-Footcandle Lines of Horizontal Illumination

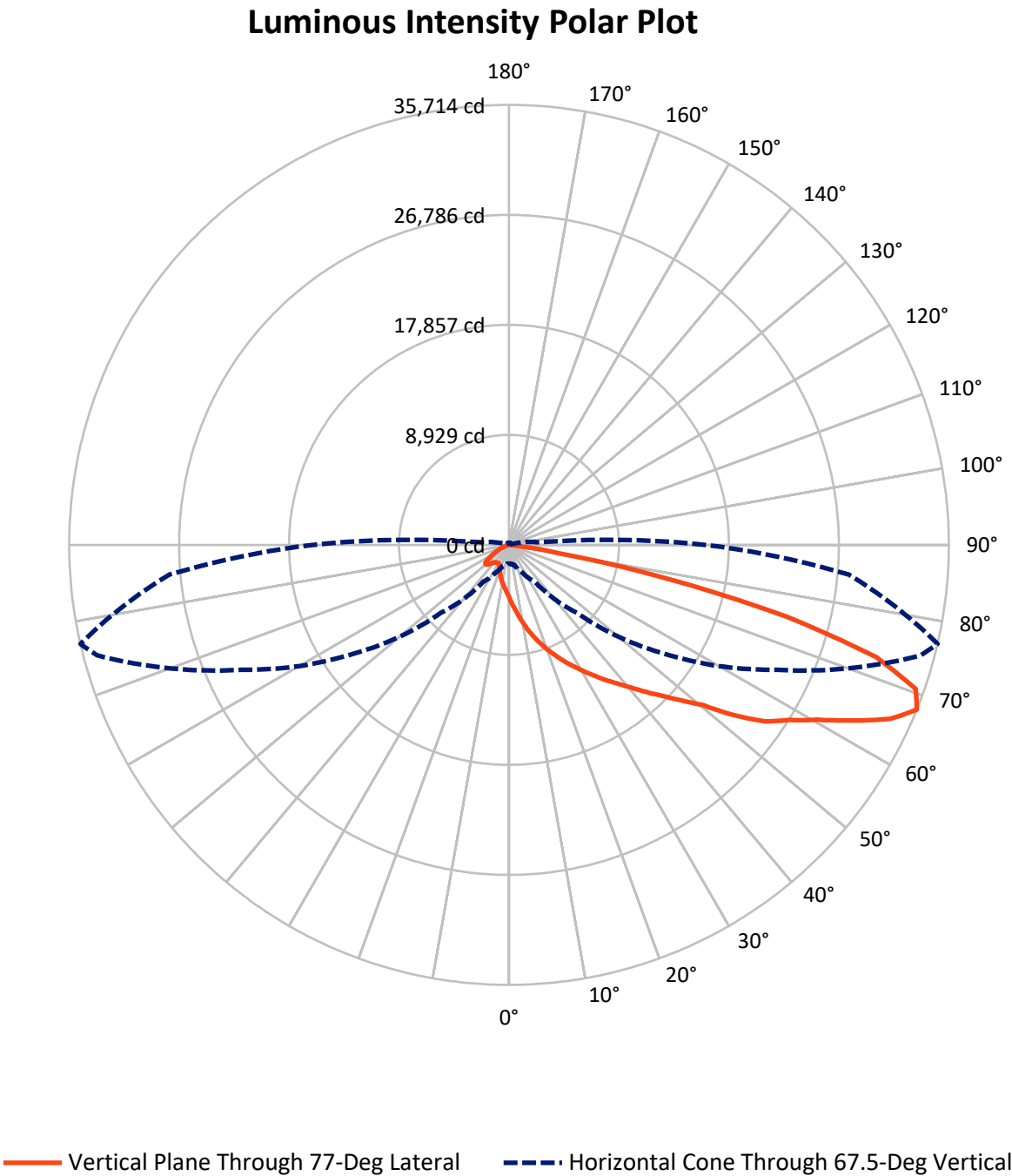
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2740.7   | 0.0    | 2740.7  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 34511.4  | 0.0    | 34511.4 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 37252.0  | 0.0    | 37252.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 438.4   | 1.2       |
| 10°-20°   | 1535.4  | 4.1       |
| 20°-30°   | 2962.9  | 8.0       |
| 30°-40°   | 5143.7  | 13.8      |
| 40°-50°   | 7468.4  | 20.0      |
| 50°-60°   | 8576.5  | 23.0      |
| 60°-70°   | 7446.0  | 20.0      |
| 70°-80°   | 3507.2  | 9.4       |
| 80°-90°   | 173.4   | 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°    | 37252.0 | 100.0     |
| 0°-180°   | 37252.0 | 100.0     |

**Coefficient of Utilization**



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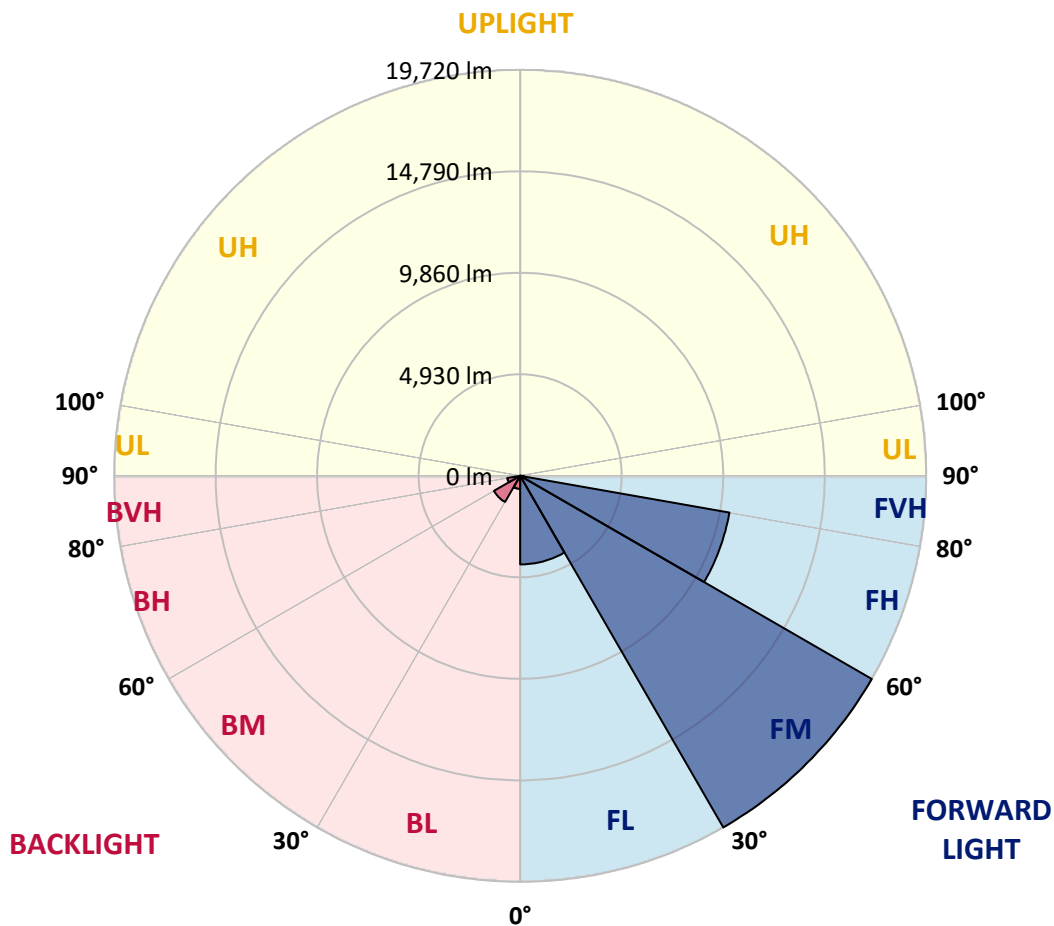
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4302.2  | 11.5      |                         |      |          |
| FM   | (30°-60°)   | 19720.2 | 52.9      |                         |      |          |
| FH   | (60°-80°)   | 10318.7 | 27.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 170.3   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 634.5   | 1.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1468.5  | 3.9       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 634.5   | 1.7       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 3.2     | 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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  | 4295.7  |
| 2.5°  | 5947.4  | 5984.4  | 5931.2  | 5829.4  | 5676.7  | 5577.2  | 5334.4  | 5105.3  | 4850.9  | 4769.9  | 4515.5  |
| 5°    | 7249.7  | 7282.1  | 7222.0  | 7110.9  | 6907.4  | 6713.0  | 6393.8  | 5915.0  | 5417.6  | 5258.0  | 4806.9  |
| 7.5°  | 8214.3  | 8232.9  | 8209.7  | 8107.9  | 7913.6  | 7693.9  | 7337.6  | 6770.9  | 6033.0  | 5857.1  | 5165.5  |
| 10°   | 8908.3  | 8968.5  | 8961.5  | 8922.2  | 8792.7  | 8614.5  | 8235.2  | 7589.8  | 6722.3  | 6495.6  | 5570.3  |
| 12.5° | 9368.7  | 9435.7  | 9475.1  | 9563.0  | 9556.0  | 9442.7  | 9109.6  | 8427.2  | 7409.3  | 7143.3  | 6026.0  |
| 15°   | 9502.8  | 9574.5  | 9724.9  | 9928.5  | 10108.9 | 10166.7 | 9933.1  | 9248.4  | 8165.8  | 7825.7  | 6493.3  |
| 17.5° | 9426.5  | 9537.5  | 9718.0  | 10039.5 | 10435.1 | 10696.5 | 10671.0 | 10041.8 | 8852.8  | 8464.2  | 6951.3  |
| 20°   | 9595.4  | 9701.8  | 9842.9  | 10113.5 | 10573.9 | 11048.1 | 11237.8 | 10800.6 | 9535.2  | 9128.1  | 7432.5  |
| 22.5° | 10529.9 | 10511.4 | 10525.3 | 10569.2 | 10844.5 | 11314.1 | 11705.0 | 11489.9 | 10210.7 | 9794.3  | 7941.4  |
| 25°   | 12010.4 | 11927.1 | 11786.0 | 11547.7 | 11478.3 | 11705.0 | 12112.2 | 12100.6 | 10923.2 | 10476.7 | 8461.9  |
| 27.5° | 13708.3 | 13694.4 | 13363.6 | 12790.0 | 12466.1 | 12378.2 | 12572.5 | 12695.1 | 11628.7 | 11152.2 | 8984.7  |
| 30°   | 15334.5 | 15371.5 | 14925.1 | 14286.6 | 13692.1 | 13347.4 | 13171.6 | 13259.5 | 12345.8 | 11880.8 | 9523.6  |
| 32.5° | 16750.2 | 16789.6 | 16303.8 | 15556.6 | 14821.0 | 14404.6 | 14034.5 | 13817.0 | 13127.7 | 12621.1 | 10115.8 |
| 35°   | 17946.2 | 17985.5 | 17428.0 | 16602.2 | 15818.0 | 15440.9 | 15022.2 | 14427.7 | 13914.2 | 13442.3 | 10775.1 |
| 37.5° | 19014.9 | 19003.3 | 18256.2 | 17423.4 | 16653.1 | 16354.7 | 16134.9 | 15179.5 | 14723.8 | 14268.1 | 11506.1 |
| 40°   | 19646.4 | 19695.0 | 19056.5 | 18138.2 | 17391.0 | 17173.6 | 17159.7 | 16111.8 | 15658.4 | 15216.6 | 12306.5 |
| 42.5° | 19831.5 | 19917.1 | 19454.4 | 18700.3 | 18022.5 | 17786.6 | 18149.8 | 17120.4 | 16745.6 | 16315.3 | 13211.0 |
| 45°   | 19498.4 | 19581.7 | 19371.1 | 18848.4 | 18452.8 | 18300.1 | 19001.0 | 18165.9 | 17906.9 | 17481.2 | 14231.1 |
| 47.5° | 18526.8 | 18630.9 | 18681.8 | 18570.8 | 18566.1 | 18721.1 | 19764.4 | 19267.0 | 19285.6 | 18850.7 | 15413.2 |
| 50°   | 16646.1 | 16821.9 | 17289.2 | 17682.5 | 18290.9 | 19054.2 | 20507.0 | 20460.7 | 20840.1 | 20465.3 | 16953.8 |
| 52.5° | 13227.2 | 13477.0 | 15087.0 | 16162.7 | 17529.8 | 18991.8 | 21323.5 | 22376.1 | 23567.4 | 23019.1 | 19125.9 |
| 55°   | 10629.4 | 10629.4 | 11938.7 | 13951.2 | 16044.7 | 18580.0 | 21679.8 | 23620.6 | 25424.9 | 25295.4 | 20655.0 |
| 57.5° | 8665.4  | 8769.5  | 9604.6  | 11383.5 | 13895.7 | 17599.2 | 21899.5 | 24402.5 | 26921.6 | 26826.7 | 22149.4 |
| 60°   | 5348.2  | 5572.6  | 7150.3  | 8906.0  | 11450.6 | 15852.7 | 21760.7 | 25193.6 | 28737.5 | 28813.8 | 23949.1 |
| 62.5° | 3011.9  | 3095.1  | 3798.4  | 6407.7  | 8903.7  | 13504.7 | 20699.0 | 25635.4 | 31060.0 | 31383.8 | 25804.3 |
| 65°   | 2079.6  | 2121.2  | 2391.9  | 3988.0  | 6171.7  | 10752.0 | 18624.0 | 25360.1 | 33387.1 | 34041.8 | 27377.3 |
| 67.5° | 1510.6  | 1531.4  | 1700.2  | 2435.9  | 3661.9  | 7795.6  | 15371.5 | 23972.2 | 34620.1 | 35714.2 | 27678.0 |
| 70°   | 1161.3  | 1175.1  | 1297.7  | 1600.8  | 2162.9  | 4811.6  | 11163.7 | 21212.5 | 33727.2 | 35034.2 | 26137.4 |
| 72.5° | 943.8   | 957.7   | 1052.5  | 1184.4  | 1434.2  | 2845.3  | 6766.3  | 17226.8 | 29785.4 | 31196.5 | 22251.1 |
| 75°   | 795.8   | 814.3   | 899.9   | 985.4   | 1124.2  | 1827.5  | 3173.8  | 11996.5 | 22399.2 | 23324.5 | 15473.3 |
| 77.5° | 441.8   | 407.1   | 731.0   | 816.6   | 948.4   | 1156.6  | 1485.1  | 7060.0  | 12544.7 | 12801.5 | 6865.7  |
| 80°   | 275.3   | 284.5   | 580.6   | 657.0   | 728.7   | 582.9   | 680.1   | 2718.1  | 4348.9  | 4131.5  | 1330.1  |
| 82.5° | 16.2    | 37.0    | 446.5   | 474.2   | 499.7   | 249.8   | 256.8   | 923.0   | 1047.9  | 962.3   | 236.0   |
| 85°   | 0.0     | 0.0     | 203.6   | 164.2   | 173.5   | 71.7    | 74.0    | 215.1   | 141.1   | 152.7   | 46.3    |
| 87.5° | 0.0     | 0.0     | 0.0     | 4.6     | 0.0     | 6.9     | 13.9    | 18.5    | 6.9     | 9.3     | 16.2    |
| 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°    | 4295.7  | 4295.7 | 4295.7 | 4295.7 | 4295.7 | 4295.7 | 4295.7 | 4295.7 | 4295.7 | 4295.7 | 4295.7 |
| 2.5°  | 4353.5  | 4191.6 | 3863.1 | 3541.6 | 3280.2 | 3037.3 | 2863.8 | 2699.6 | 2616.3 | 2611.7 | 2607.0 |
| 5°    | 4485.4  | 4145.3 | 3488.4 | 2907.8 | 2440.5 | 2065.7 | 1822.8 | 1649.3 | 1561.4 | 1531.4 | 1526.7 |
| 7.5°  | 4670.4  | 4159.2 | 3159.9 | 2352.6 | 1802.0 | 1480.5 | 1341.7 | 1286.2 | 1267.7 | 1246.8 | 1242.2 |
| 10°   | 4904.1  | 4191.6 | 2866.1 | 1894.6 | 1420.3 | 1258.4 | 1202.9 | 1179.8 | 1165.9 | 1152.0 | 1147.4 |
| 12.5° | 5165.5  | 4221.7 | 2574.6 | 1573.0 | 1249.2 | 1165.9 | 1126.6 | 1098.8 | 1080.3 | 1064.1 | 1059.5 |
| 15°   | 5419.9  | 4240.2 | 2271.6 | 1348.6 | 1161.3 | 1094.2 | 1052.5 | 1022.5 | 997.0  | 978.5  | 976.2  |
| 17.5° | 5672.1  | 4265.6 | 1987.1 | 1214.5 | 1089.5 | 1022.5 | 980.8  | 943.8  | 923.0  | 902.2  | 899.9  |
| 20°   | 5952.0  | 4261.0 | 1718.7 | 1119.6 | 1017.8 | 950.7  | 906.8  | 872.1  | 851.3  | 828.1  | 825.8  |
| 22.5° | 6211.1  | 4237.9 | 1482.8 | 1038.6 | 943.8  | 879.0  | 830.5  | 795.8  | 774.9  | 756.4  | 754.1  |
| 25°   | 6509.5  | 4219.4 | 1286.2 | 964.6  | 874.4  | 809.6  | 756.4  | 724.0  | 700.9  | 684.7  | 682.4  |
| 27.5° | 6796.3  | 4191.6 | 1142.7 | 897.5  | 807.3  | 744.9  | 694.0  | 657.0  | 636.1  | 624.6  | 624.6  |
| 30°   | 7078.5  | 4184.7 | 1089.5 | 832.8  | 747.2  | 684.7  | 633.8  | 599.1  | 582.9  | 578.3  | 576.0  |
| 32.5° | 7418.6  | 4203.2 | 1112.7 | 809.6  | 691.7  | 629.2  | 580.6  | 555.2  | 539.0  | 539.0  | 539.0  |
| 35°   | 7781.8  | 4198.5 | 1147.4 | 830.5  | 654.6  | 573.7  | 536.7  | 520.5  | 504.3  | 504.3  | 504.3  |
| 37.5° | 8237.5  | 4205.5 | 1175.1 | 865.2  | 640.8  | 527.4  | 506.6  | 485.8  | 476.5  | 476.5  | 476.5  |
| 40°   | 8917.6  | 4434.5 | 1161.3 | 895.2  | 636.1  | 495.0  | 453.4  | 446.5  | 439.5  | 439.5  | 439.5  |
| 42.5° | 9750.3  | 4931.8 | 1179.8 | 897.5  | 633.8  | 471.9  | 416.4  | 430.3  | 414.1  | 411.8  | 409.4  |
| 45°   | 10661.8 | 5475.5 | 1297.7 | 849.0  | 631.5  | 460.3  | 397.9  | 414.1  | 388.6  | 388.6  | 388.6  |
| 47.5° | 11566.2 | 6014.4 | 1418.0 | 779.6  | 624.6  | 458.0  | 381.7  | 372.4  | 365.5  | 367.8  | 367.8  |
| 50°   | 12813.1 | 6454.0 | 1464.3 | 684.7  | 608.4  | 453.4  | 351.6  | 353.9  | 349.3  | 353.9  | 353.9  |
| 52.5° | 14171.0 | 6546.5 | 1408.8 | 578.3  | 562.1  | 439.5  | 330.8  | 340.0  | 337.7  | 342.4  | 342.4  |
| 55°   | 15017.6 | 6447.0 | 1163.6 | 481.2  | 490.4  | 384.0  | 310.0  | 328.5  | 328.5  | 328.5  | 328.5  |
| 57.5° | 15892.0 | 6023.7 | 825.8  | 390.9  | 407.1  | 314.6  | 291.5  | 316.9  | 314.6  | 312.3  | 312.3  |
| 60°   | 16521.2 | 5339.0 | 543.6  | 321.5  | 323.9  | 259.1  | 270.7  | 298.4  | 296.1  | 284.5  | 284.5  |
| 62.5° | 16990.8 | 4582.5 | 349.3  | 273.0  | 247.5  | 233.6  | 247.5  | 270.7  | 261.4  | 236.0  | 231.3  |
| 65°   | 16937.6 | 3534.6 | 268.3  | 233.6  | 203.6  | 203.6  | 215.1  | 236.0  | 208.2  | 166.6  | 161.9  |
| 67.5° | 15949.9 | 2391.9 | 222.1  | 196.6  | 171.2  | 168.9  | 178.1  | 196.6  | 178.1  | 141.1  | 136.5  |
| 70°   | 14184.8 | 1563.8 | 178.1  | 152.7  | 136.5  | 124.9  | 143.4  | 168.9  | 150.4  | 113.3  | 108.7  |
| 72.5° | 11513.0 | 953.1  | 134.2  | 111.0  | 99.5   | 81.0   | 113.3  | 138.8  | 120.3  | 83.3   | 78.7   |
| 75°   | 7448.7  | 485.8  | 92.5   | 71.7   | 53.2   | 48.6   | 83.3   | 104.1  | 83.3   | 50.9   | 44.0   |
| 77.5° | 2849.9  | 203.6  | 50.9   | 32.4   | 27.8   | 23.1   | 46.3   | 62.5   | 34.7   | 11.6   | 9.3    |
| 80°   | 548.2   | 85.6   | 25.4   | 16.2   | 13.9   | 9.3    | 6.9    | 4.6    | 0.0    | 0.0    | 0.0    |
| 82.5° | 94.8    | 27.8   | 9.3    | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 32.4    | 4.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 11.6    | 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)