

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: P957250

Luminaire Tested: **GALN-SB9C-930-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957250  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9C-930-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

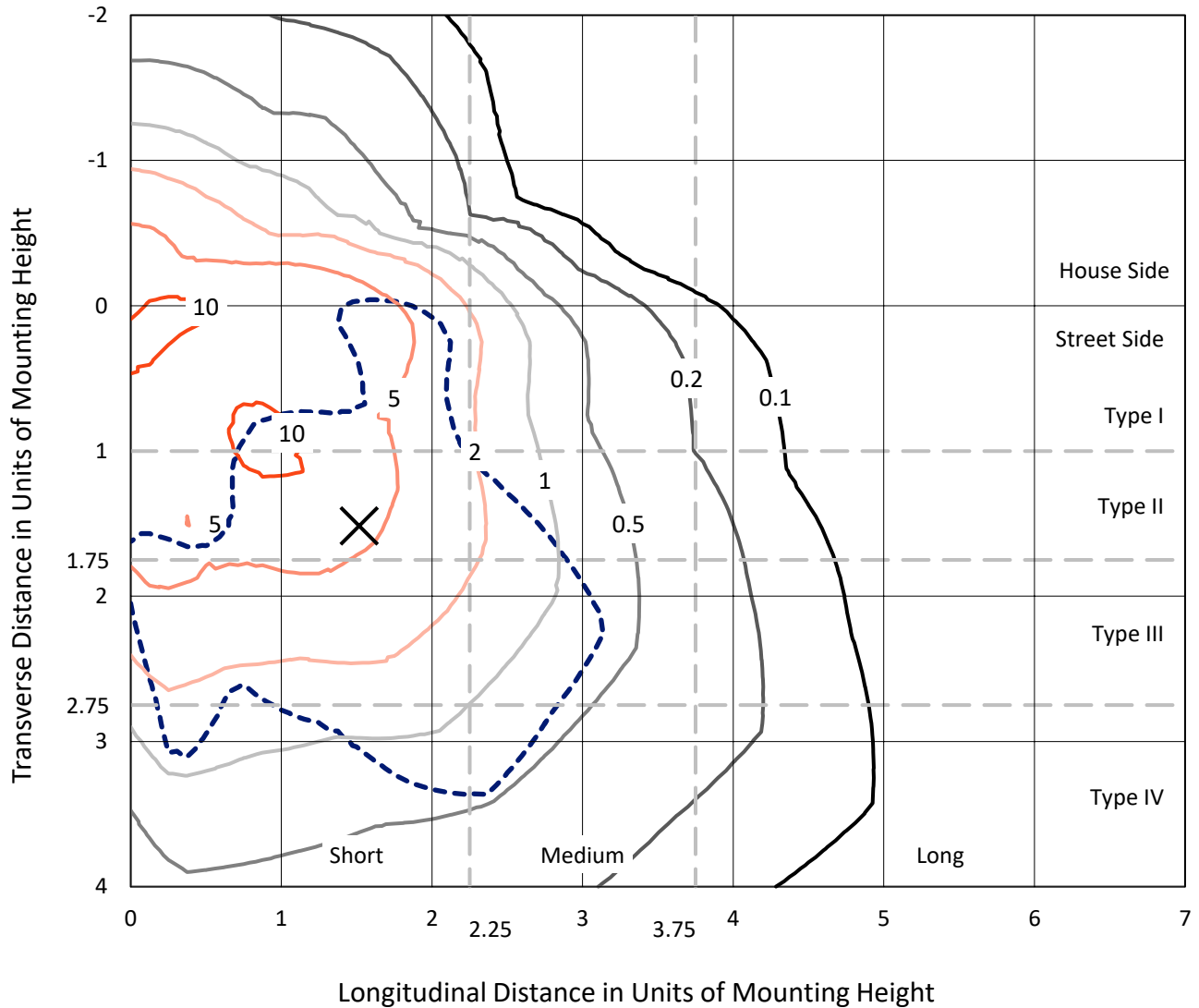
Lumens per Lamp: N/A  
Luminaire Lumens: 36216 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

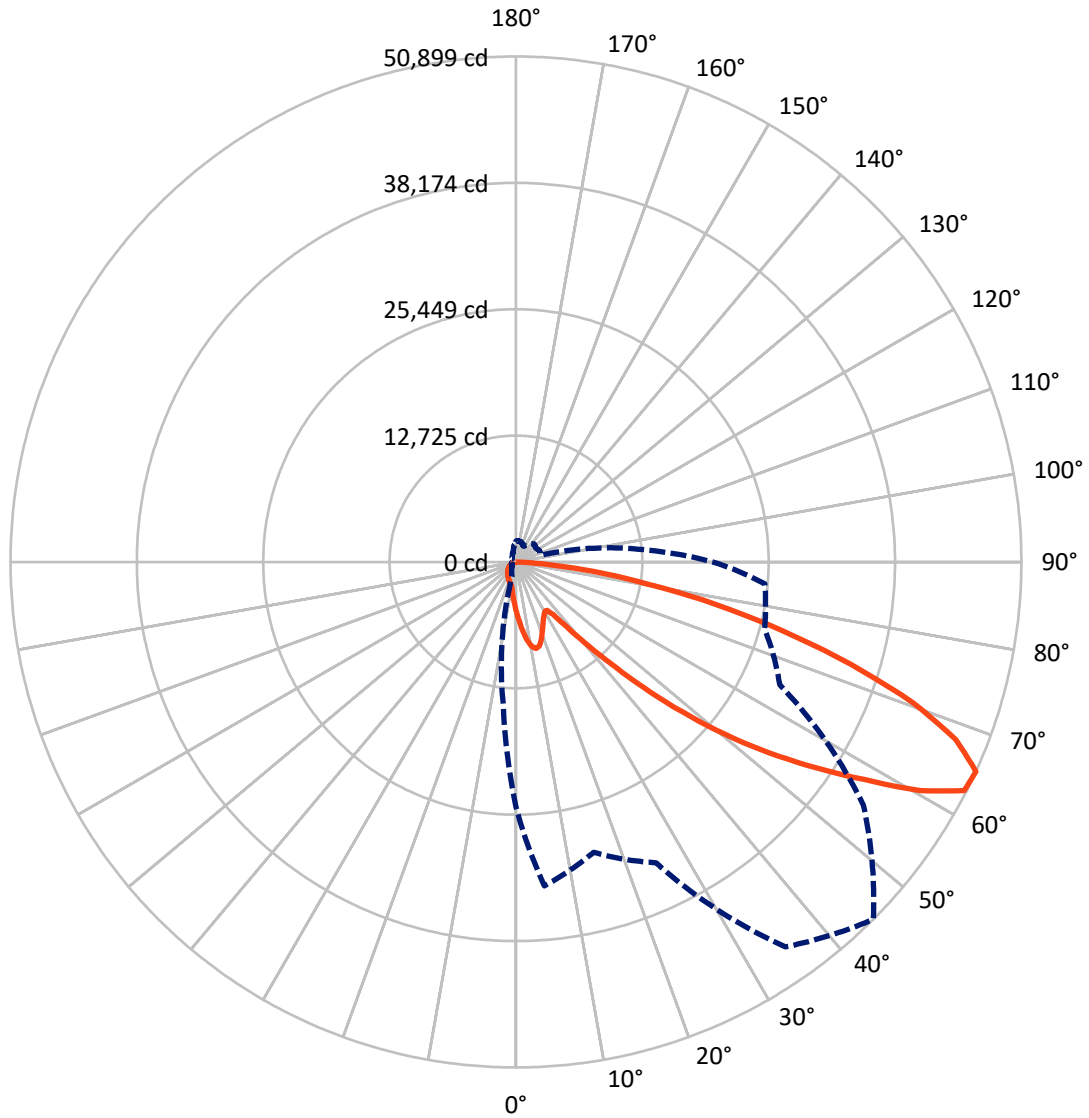
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7198.6   | 0.0    | 7198.6  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 29017.4  | 0.0    | 29017.4 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 36216.0  | 0.0    | 36216.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 493.7   | 1.4       |
| 10°-20°   | 1480.0  | 4.1       |
| 20°-30°   | 2180.4  | 6.0       |
| 30°-40°   | 2801.2  | 7.7       |
| 40°-50°   | 4530.4  | 12.5      |
| 50°-60°   | 7944.4  | 21.9      |
| 60°-70°   | 9940.6  | 27.4      |
| 70°-80°   | 5808.8  | 16.0      |
| 80°-90°   | 1036.4  | 2.9       |
| 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°    | 36216.0 | 100.0     |
| 0°-180°   | 36216.0 | 100.0     |



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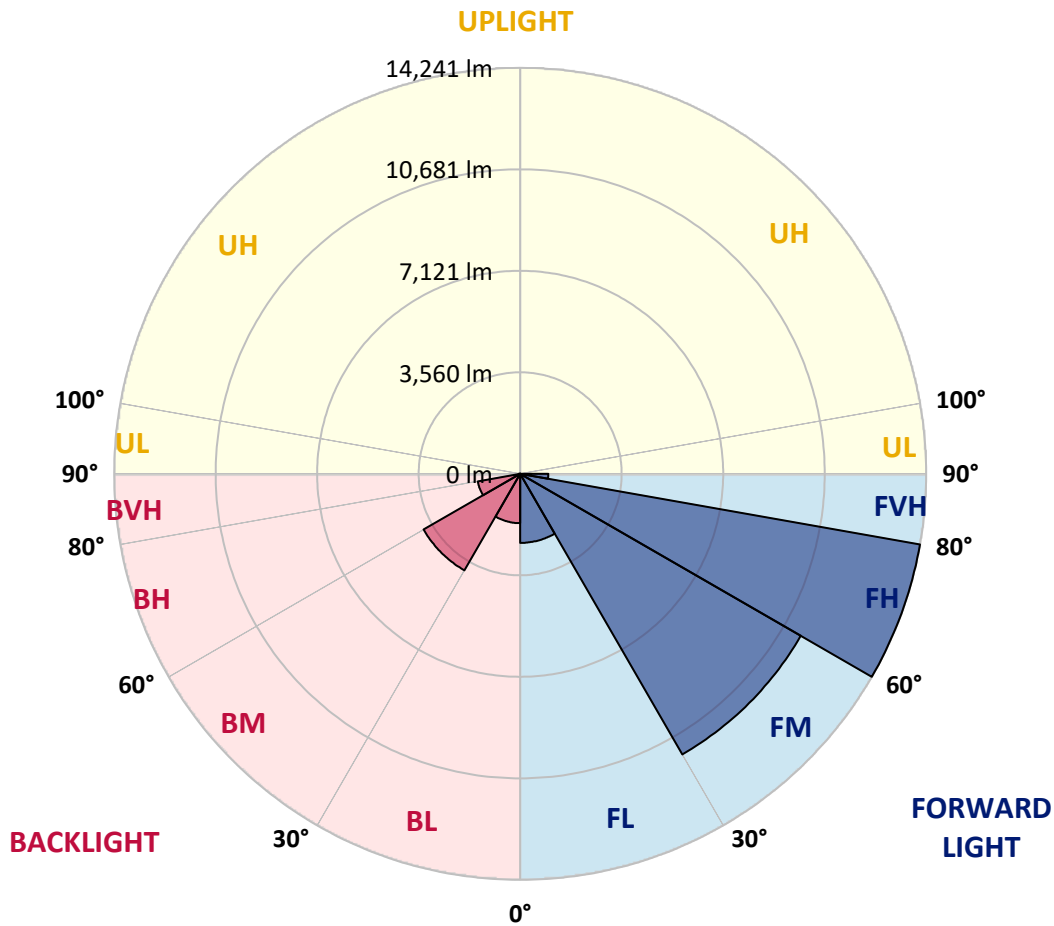
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2423.3  | 6.7       |                         |      |         |
| FM (30°-60°)   | 11365.0 | 31.4      |                         |      |         |
| FH (60°-80°)   | 14241.3 | 39.3      |                         |      | G5      |
| FVH (80°-90°)  | 987.8   | 2.7       |                         |      | G5      |
| BL (0°-30°)    | 1730.8  | 4.8       | B3/2500                 |      |         |
| BM (30°-60°)   | 3911.0  | 10.8      | B3/5000                 |      |         |
| BH (60°-80°)   | 1508.2  | 4.2       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 48.6    | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5014.8  | 5014.8  | 5014.8  | 5014.8  | 5014.8  | 5014.8  | 5014.8  | 5014.8  | 5014.8  | 5014.8  |
| 2.5°  | 5618.5  | 5660.9  | 5755.7  | 5805.6  | 5883.0  | 5888.0  | 5888.0  | 5820.6  | 5818.1  | 5680.9  |
| 5°    | 6279.7  | 6379.5  | 6604.0  | 6836.0  | 6885.9  | 6898.4  | 6873.5  | 6738.7  | 6638.9  | 6372.0  |
| 7.5°  | 6935.8  | 7127.9  | 7469.7  | 7779.1  | 7878.9  | 7878.9  | 7819.0  | 7599.5  | 7394.9  | 7008.2  |
| 10°   | 7479.7  | 7721.7  | 8185.8  | 8532.6  | 8647.3  | 8622.4  | 8500.1  | 8223.2  | 7941.3  | 7472.2  |
| 12.5° | 7839.0  | 8110.9  | 8619.9  | 8899.3  | 9016.6  | 8951.7  | 8812.0  | 8542.6  | 8245.7  | 7751.7  |
| 15°   | 8018.6  | 8303.0  | 8744.6  | 8891.8  | 8859.4  | 8792.0  | 8774.6  | 8644.8  | 8420.3  | 7958.7  |
| 17.5° | 8096.0  | 8360.4  | 8667.3  | 8575.0  | 8300.5  | 8248.2  | 8422.8  | 8587.5  | 8532.6  | 8138.4  |
| 20°   | 8168.3  | 8390.4  | 8482.7  | 8073.5  | 7594.5  | 7547.1  | 7881.4  | 8350.4  | 8590.0  | 8305.5  |
| 22.5° | 8268.1  | 8405.3  | 8215.7  | 7544.6  | 7028.1  | 6918.4  | 7287.6  | 7993.7  | 8607.4  | 8517.6  |
| 25°   | 8405.3  | 8442.8  | 7921.3  | 7043.1  | 6524.2  | 6414.4  | 6758.7  | 7597.0  | 8577.5  | 8747.1  |
| 27.5° | 8570.0  | 8492.7  | 7639.4  | 6624.0  | 6122.5  | 6020.2  | 6364.5  | 7215.3  | 8492.7  | 8976.7  |
| 30°   | 8784.6  | 8557.5  | 7360.0  | 6299.6  | 5835.6  | 5760.7  | 6092.6  | 6885.9  | 8387.9  | 9268.6  |
| 32.5° | 9001.6  | 8585.0  | 7100.5  | 6110.0  | 5770.7  | 5798.2  | 6070.1  | 6708.8  | 8273.1  | 9548.0  |
| 35°   | 9236.1  | 8672.3  | 6973.3  | 6297.1  | 6312.1  | 6551.6  | 6663.9  | 6873.5  | 8255.6  | 9927.2  |
| 37.5° | 9555.5  | 8866.9  | 7125.4  | 7227.7  | 7746.7  | 8243.2  | 8150.9  | 7679.3  | 8457.7  | 10493.6 |
| 40°   | 10014.5 | 9208.7  | 7789.1  | 8812.0  | 9877.3  | 10683.2 | 10331.4 | 9143.8  | 9076.5  | 11309.4 |
| 42.5° | 10683.2 | 9752.6  | 8966.7  | 10748.0 | 12554.4 | 13881.6 | 12938.6 | 11032.5 | 10159.2 | 12474.5 |
| 45°   | 11671.2 | 10633.3 | 10391.3 | 12791.4 | 15855.1 | 17945.8 | 15984.9 | 13045.9 | 11676.2 | 14238.4 |
| 47.5° | 13040.9 | 11928.1 | 11726.0 | 14944.5 | 19866.9 | 22571.4 | 19363.0 | 14912.0 | 13402.6 | 16643.5 |
| 50°   | 14859.6 | 13672.1 | 12991.0 | 17299.7 | 24265.4 | 27286.8 | 22738.6 | 16713.4 | 15381.1 | 19582.5 |
| 52.5° | 17259.7 | 16104.6 | 14465.5 | 19542.6 | 28788.7 | 31902.3 | 26129.1 | 18295.1 | 17836.1 | 22993.0 |
| 55°   | 20533.1 | 19764.6 | 16481.3 | 21683.2 | 33309.5 | 36545.4 | 29387.5 | 19787.1 | 21079.4 | 27044.8 |
| 57.5° | 24594.8 | 25143.6 | 19387.9 | 24165.6 | 37373.7 | 41330.6 | 32660.8 | 21872.8 | 25290.8 | 31575.5 |
| 60°   | 27214.4 | 32296.5 | 24954.0 | 27835.6 | 41991.7 | 46742.0 | 37146.6 | 25839.7 | 29716.8 | 33199.7 |
| 62.5° | 26580.7 | 34571.9 | 31620.4 | 32521.1 | 46238.1 | 50676.5 | 41542.6 | 29824.1 | 30550.1 | 30807.1 |
| 65°   | 24637.2 | 32735.6 | 30260.7 | 33431.7 | 47313.4 | 50898.5 | 42717.7 | 29310.1 | 25914.6 | 25151.1 |
| 67.5° | 21962.6 | 30557.6 | 27029.8 | 31016.6 | 45369.8 | 47794.9 | 40529.7 | 25927.0 | 20026.6 | 18873.9 |
| 70°   | 19076.0 | 28147.5 | 24909.1 | 28307.2 | 41664.9 | 42385.9 | 36809.8 | 22803.4 | 14729.9 | 12746.5 |
| 72.5° | 16336.6 | 25637.6 | 23457.1 | 25530.4 | 36722.5 | 35230.5 | 31967.2 | 20041.6 | 10725.6 | 9193.7  |
| 75°   | 13534.9 | 21935.2 | 21388.8 | 22232.1 | 30223.3 | 27750.8 | 26560.7 | 16593.6 | 8417.8  | 6651.4  |
| 77.5° | 10443.7 | 17140.0 | 18397.4 | 17803.6 | 21274.0 | 20612.9 | 20587.9 | 12469.5 | 6149.9  | 4438.4  |
| 80°   | 7147.9  | 11945.6 | 14373.1 | 12559.3 | 13806.8 | 13470.0 | 15505.8 | 8365.4  | 4460.9  | 2672.0  |
| 82.5° | 4201.4  | 7272.6  | 10004.6 | 6080.1  | 7634.4  | 7836.5  | 9233.6  | 4069.2  | 2624.6  | 616.2   |
| 85°   | 1704.0  | 2871.6  | 3912.0  | 2380.1  | 3682.5  | 3106.2  | 3505.3  | 1142.7  | 731.0   | 15.0    |
| 87.5° | 429.1   | 918.1   | 643.7   | 267.0   | 426.6   | 391.7   | 309.4   | 139.7   | 29.9    | 0.0     |
| 90°   | 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5014.8  | 0°    | 5014.8  | 5014.8  | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 |
| 5665.9  | 2.5°  | 5568.6  | 5511.2  | 5369.0 | 5226.8 | 5112.1 | 4957.4 | 4855.1 | 4732.8 | 4615.6 | 4510.8 |
| 6314.6  | 5°    | 6157.4  | 5967.8  | 5708.3 | 5471.3 | 5229.3 | 4994.8 | 4762.8 | 4518.3 | 4293.7 | 4156.5 |
| 6863.5  | 7.5°  | 6636.4  | 6302.1  | 5957.8 | 5655.9 | 5364.0 | 5089.6 | 4782.7 | 4485.8 | 4134.1 | 3946.9 |
| 7282.6  | 10°   | 6993.2  | 6554.1  | 6102.5 | 5755.7 | 5461.3 | 5194.4 | 4934.9 | 4635.5 | 4211.4 | 3976.9 |
| 7537.1  | 12.5° | 7227.7  | 6706.3  | 6177.4 | 5780.7 | 5451.4 | 5244.3 | 5129.5 | 5012.3 | 4590.6 | 4316.2 |
| 7724.2  | 15°   | 7389.9  | 6813.6  | 6229.8 | 5723.3 | 5319.1 | 5166.9 | 5281.7 | 5416.4 | 5147.0 | 4830.1 |
| 7918.8  | 17.5° | 7567.0  | 6953.3  | 6252.2 | 5568.6 | 5062.2 | 4997.3 | 5294.2 | 5606.0 | 5593.6 | 5279.2 |
| 8103.4  | 20°   | 7754.2  | 7075.5  | 6237.3 | 5319.1 | 4750.3 | 4807.7 | 5186.9 | 5548.7 | 5700.9 | 5531.2 |
| 8315.5  | 22.5° | 7946.3  | 7192.8  | 6179.9 | 4994.8 | 4458.4 | 4638.0 | 5017.3 | 5334.1 | 5513.7 | 5461.3 |
| 8575.0  | 25°   | 8188.3  | 7357.5  | 6095.1 | 4645.5 | 4216.4 | 4465.9 | 4820.2 | 5077.1 | 5201.9 | 5199.4 |
| 8854.4  | 27.5° | 8477.7  | 7577.0  | 6050.1 | 4363.6 | 4044.2 | 4271.3 | 4585.6 | 4815.2 | 4902.5 | 4902.5 |
| 9201.2  | 30°   | 8814.5  | 7836.5  | 6000.2 | 4179.0 | 3944.4 | 4069.2 | 4313.7 | 4538.2 | 4625.6 | 4625.6 |
| 9580.4  | 32.5° | 9188.7  | 8086.0  | 5880.5 | 4066.7 | 3869.6 | 3872.1 | 4026.8 | 4231.4 | 4336.1 | 4351.1 |
| 10054.5 | 35°   | 9637.8  | 8352.9  | 5618.5 | 3976.9 | 3782.3 | 3680.0 | 3754.8 | 3924.5 | 4049.2 | 4081.7 |
| 10730.6 | 37.5° | 10226.6 | 8679.8  | 5244.3 | 3844.6 | 3647.5 | 3477.9 | 3495.4 | 3625.1 | 3762.3 | 3812.2 |
| 11663.7 | 40°   | 11017.5 | 9064.0  | 4855.1 | 3655.0 | 3457.9 | 3255.8 | 3248.4 | 3343.2 | 3477.9 | 3532.8 |
| 12926.1 | 42.5° | 12062.9 | 9525.5  | 4483.3 | 3472.9 | 3228.4 | 3021.3 | 3008.9 | 3083.7 | 3201.0 | 3258.3 |
| 14592.7 | 45°   | 13400.1 | 10091.9 | 4164.0 | 3330.7 | 3003.9 | 2799.3 | 2794.3 | 2856.7 | 2959.0 | 3018.8 |
| 16725.8 | 47.5° | 15258.8 | 10658.2 | 3946.9 | 3255.8 | 2826.7 | 2617.2 | 2627.1 | 2682.0 | 2774.3 | 2816.7 |
| 19487.7 | 50°   | 17681.4 | 10830.4 | 3837.2 | 3255.8 | 2731.9 | 2455.0 | 2504.9 | 2549.8 | 2619.6 | 2644.6 |
| 22798.4 | 52.5° | 20006.6 | 10261.5 | 3737.4 | 3275.8 | 2744.4 | 2317.8 | 2425.0 | 2457.5 | 2517.4 | 2527.3 |
| 25867.2 | 55°   | 21146.8 | 8822.0  | 3600.1 | 3280.8 | 2821.7 | 2200.5 | 2360.2 | 2420.1 | 2442.5 | 2440.0 |
| 27648.5 | 57.5° | 20755.1 | 7132.9  | 3368.1 | 3260.8 | 2874.1 | 2125.7 | 2280.3 | 2395.1 | 2410.1 | 2387.6 |
| 27309.2 | 60°   | 19380.4 | 5251.8  | 3191.0 | 3113.6 | 2854.2 | 2103.2 | 2158.1 | 2340.2 | 2362.7 | 2332.7 |
| 24694.6 | 62.5° | 17075.1 | 3645.1  | 3053.8 | 2789.3 | 2766.8 | 2095.7 | 1966.0 | 2220.5 | 2275.4 | 2232.9 |
| 19849.5 | 65°   | 13442.5 | 2574.7  | 2629.6 | 2445.0 | 2577.2 | 2055.8 | 1766.4 | 2075.8 | 2150.6 | 2085.7 |
| 14400.6 | 67.5° | 9096.4  | 1858.7  | 2130.6 | 2215.5 | 2270.4 | 1966.0 | 1621.7 | 1911.1 | 2010.9 | 1926.1 |
| 9241.1  | 70°   | 4912.5  | 1304.8  | 1407.1 | 1866.2 | 1928.6 | 1811.3 | 1492.0 | 1743.9 | 1858.7 | 1766.4 |
| 6569.1  | 72.5° | 2901.6  | 938.1   | 985.5  | 1499.4 | 1606.7 | 1594.2 | 1347.2 | 1549.3 | 1689.1 | 1579.3 |
| 4533.2  | 75°   | 1599.2  | 633.7   | 703.6  | 1087.8 | 1304.8 | 1230.0 | 1157.6 | 1312.3 | 1454.5 | 1347.2 |
| 2841.7  | 77.5° | 716.0   | 379.2   | 489.0  | 713.5  | 1025.4 | 843.3  | 895.7  | 1022.9 | 1155.1 | 1042.9 |
| 1581.8  | 80°   | 276.9   | 212.1   | 324.3  | 389.2  | 746.0  | 466.5  | 576.3  | 753.5  | 848.3  | 758.5  |
| 344.3   | 82.5° | 34.9    | 94.8    | 139.7  | 152.2  | 434.1  | 247.0  | 334.3  | 474.0  | 466.5  | 404.2  |
| 0.0     | 85°   | 0.0     | 17.5    | 20.0   | 10.0   | 187.1  | 89.8   | 109.8  | 154.7  | 144.7  | 109.8  |
| 0.0     | 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.0    | 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    |

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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5014.8 | 0°    | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 |
| 4490.8 | 2.5°  | 4368.6 | 4278.8 | 4233.9 | 4196.4 | 4231.4 | 4251.3 | 4251.3 | 4336.1 | 4386.0 | 4406.0 |
| 4069.2 | 5°    | 3849.6 | 3682.5 | 3570.2 | 3502.8 | 3525.3 | 3550.2 | 3577.7 | 3685.0 | 3757.3 | 3804.7 |
| 3777.3 | 7.5°  | 3440.5 | 3186.0 | 3028.8 | 2946.5 | 2959.0 | 2976.4 | 2998.9 | 3103.7 | 3176.0 | 3238.4 |
| 3722.4 | 10°   | 3238.4 | 2879.1 | 2672.0 | 2572.2 | 2554.8 | 2544.8 | 2537.3 | 2599.7 | 2654.6 | 2704.5 |
| 3946.9 | 12.5° | 3248.4 | 2746.9 | 2494.9 | 2372.7 | 2320.3 | 2260.4 | 2213.0 | 2223.0 | 2257.9 | 2320.3 |
| 4348.6 | 15°   | 3375.6 | 2704.5 | 2402.6 | 2250.4 | 2163.1 | 2093.2 | 2035.8 | 2023.4 | 2035.8 | 2045.8 |
| 4807.7 | 17.5° | 3547.8 | 2699.5 | 2322.8 | 2133.1 | 2043.3 | 1985.9 | 1933.6 | 1916.1 | 1918.6 | 1931.1 |
| 5112.1 | 20°   | 3685.0 | 2684.5 | 2232.9 | 2020.9 | 1941.0 | 1891.1 | 1838.7 | 1821.3 | 1826.3 | 1828.8 |
| 5142.0 | 22.5° | 3757.3 | 2662.1 | 2133.1 | 1908.6 | 1841.2 | 1791.3 | 1743.9 | 1741.4 | 1741.4 | 1756.4 |
| 4979.8 | 25°   | 3757.3 | 2614.7 | 2043.3 | 1801.3 | 1741.4 | 1696.5 | 1639.2 | 1649.1 | 1654.1 | 1674.1 |
| 4727.8 | 27.5° | 3667.5 | 2524.8 | 1971.0 | 1709.0 | 1646.6 | 1601.7 | 1549.3 | 1561.8 | 1569.3 | 1591.7 |
| 4478.4 | 30°   | 3552.7 | 2417.6 | 1888.6 | 1621.7 | 1549.3 | 1516.9 | 1472.0 | 1477.0 | 1487.0 | 1511.9 |
| 4246.3 | 32.5° | 3430.5 | 2290.3 | 1821.3 | 1534.4 | 1462.0 | 1437.1 | 1387.2 | 1394.7 | 1404.6 | 1432.1 |
| 4016.8 | 35°   | 3295.8 | 2140.6 | 1741.4 | 1454.5 | 1382.2 | 1362.2 | 1304.8 | 1309.8 | 1324.8 | 1354.7 |
| 3769.8 | 37.5° | 3153.6 | 2018.4 | 1661.6 | 1377.2 | 1302.3 | 1282.4 | 1222.5 | 1227.5 | 1245.0 | 1279.9 |
| 3510.3 | 40°   | 3013.8 | 1898.6 | 1576.8 | 1294.9 | 1220.0 | 1202.5 | 1137.7 | 1142.7 | 1162.6 | 1200.0 |
| 3248.4 | 42.5° | 2861.7 | 1806.3 | 1467.0 | 1210.0 | 1130.2 | 1112.7 | 1052.8 | 1060.3 | 1082.8 | 1120.2 |
| 3006.4 | 45°   | 2679.5 | 1746.4 | 1344.8 | 1130.2 | 1040.4 | 1022.9 | 968.0  | 983.0  | 1007.9 | 1045.4 |
| 2799.3 | 47.5° | 2492.4 | 1721.5 | 1242.5 | 1045.4 | 948.1  | 933.1  | 888.2  | 913.1  | 940.6  | 970.5  |
| 2622.1 | 50°   | 2312.8 | 1689.1 | 1137.7 | 965.5  | 868.2  | 853.3  | 823.3  | 855.8  | 883.2  | 910.6  |
| 2494.9 | 52.5° | 2108.2 | 1619.2 | 1042.9 | 895.7  | 800.9  | 795.9  | 780.9  | 810.8  | 835.8  | 860.7  |
| 2385.1 | 55°   | 1896.1 | 1506.9 | 960.5  | 833.3  | 743.5  | 748.5  | 741.0  | 765.9  | 785.9  | 808.3  |
| 2285.3 | 57.5° | 1711.5 | 1364.7 | 895.7  | 765.9  | 693.6  | 708.6  | 698.6  | 711.0  | 723.5  | 751.0  |
| 2165.6 | 60°   | 1524.4 | 1195.1 | 823.3  | 686.1  | 643.7  | 661.1  | 633.7  | 631.2  | 636.2  | 643.7  |
| 1988.4 | 62.5° | 1272.4 | 1017.9 | 733.5  | 616.2  | 588.8  | 596.3  | 543.9  | 504.0  | 504.0  | 511.5  |
| 1741.4 | 65°   | 1022.9 | 853.3  | 633.7  | 536.4  | 514.0  | 509.0  | 434.1  | 379.2  | 374.2  | 396.7  |
| 1454.5 | 67.5° | 840.8  | 708.6  | 533.9  | 446.6  | 431.6  | 436.6  | 381.7  | 326.8  | 321.8  | 346.8  |
| 1185.1 | 70°   | 696.1  | 571.3  | 426.6  | 344.3  | 359.3  | 381.7  | 326.8  | 274.4  | 267.0  | 289.4  |
| 963.0  | 72.5° | 553.9  | 446.6  | 326.8  | 254.5  | 296.9  | 324.3  | 267.0  | 217.1  | 212.1  | 232.0  |
| 743.5  | 75°   | 406.7  | 319.3  | 222.0  | 184.6  | 229.5  | 254.5  | 194.6  | 154.7  | 147.2  | 164.7  |
| 496.5  | 77.5° | 252.0  | 179.6  | 139.7  | 109.8  | 157.2  | 169.7  | 102.3  | 89.8   | 87.3   | 99.8   |
| 301.9  | 80°   | 117.3  | 77.3   | 67.4   | 37.4   | 57.4   | 67.4   | 42.4   | 47.4   | 49.9   | 59.9   |
| 152.2  | 82.5° | 32.4   | 12.5   | 2.5    | 0.0    | 0.0    | 20.0   | 10.0   | 20.0   | 24.9   | 37.4   |
| 12.5   | 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.0    | 12.5   | 22.5   |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 10.0   |
| 0.0    | 90°   | 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):**

| 285°   |       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 360°    |
|--------|-------|--------|--------|--------|--------|--------|--------|---------|---------|
| 5014.8 | 0°    | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8 | 5014.8  | 5014.8  |
| 4545.7 | 2.5°  | 4650.5 | 4750.3 | 4910.0 | 5074.6 | 5236.8 | 5401.5 | 5561.1  | 5618.5  |
| 4021.8 | 5°    | 4218.9 | 4448.4 | 4765.3 | 5104.6 | 5453.9 | 5808.1 | 6132.5  | 6279.7  |
| 3480.4 | 7.5°  | 3737.4 | 4066.7 | 4543.2 | 5074.6 | 5631.0 | 6187.4 | 6698.8  | 6935.8  |
| 2944.0 | 10°   | 3223.4 | 3640.1 | 4184.0 | 4902.5 | 5700.9 | 6469.3 | 7172.8  | 7479.7  |
| 2472.4 | 12.5° | 2734.4 | 3171.0 | 3772.3 | 4633.0 | 5646.0 | 6631.5 | 7477.2  | 7839.0  |
| 2140.6 | 15°   | 2325.3 | 2712.0 | 3360.6 | 4313.7 | 5468.8 | 6641.4 | 7621.9  | 8018.6  |
| 1956.0 | 17.5° | 2018.4 | 2270.4 | 2941.5 | 3959.4 | 5236.8 | 6549.1 | 7671.8  | 8096.0  |
| 1856.2 | 20°   | 1866.2 | 1936.0 | 2397.6 | 3505.3 | 5019.7 | 6461.8 | 7721.7  | 8168.3  |
| 1776.4 | 22.5° | 1776.4 | 1793.8 | 1961.0 | 2919.0 | 4760.3 | 6434.4 | 7809.0  | 8268.1  |
| 1704.0 | 25°   | 1704.0 | 1709.0 | 1753.9 | 2312.8 | 4363.6 | 6416.9 | 7943.8  | 8405.3  |
| 1629.2 | 27.5° | 1631.7 | 1631.7 | 1656.6 | 1863.7 | 3824.7 | 6342.0 | 8118.4  | 8570.0  |
| 1554.3 | 30°   | 1559.3 | 1559.3 | 1576.8 | 1649.1 | 3193.5 | 6194.8 | 8328.0  | 8784.6  |
| 1479.5 | 32.5° | 1484.5 | 1484.5 | 1499.4 | 1551.8 | 2549.8 | 6010.2 | 8520.1  | 9001.6  |
| 1402.1 | 35°   | 1409.6 | 1404.6 | 1424.6 | 1479.5 | 2028.4 | 5775.7 | 8712.2  | 9236.1  |
| 1324.8 | 37.5° | 1329.8 | 1327.3 | 1347.2 | 1409.6 | 1751.4 | 5503.8 | 8856.9  | 9555.5  |
| 1247.5 | 40°   | 1245.0 | 1245.0 | 1267.4 | 1334.8 | 1671.6 | 5162.0 | 9086.4  | 10014.5 |
| 1167.6 | 42.5° | 1167.6 | 1162.6 | 1187.6 | 1269.9 | 1611.7 | 4835.1 | 9498.1  | 10683.2 |
| 1095.3 | 45°   | 1092.8 | 1082.8 | 1105.2 | 1207.5 | 1506.9 | 4720.4 | 10266.5 | 11671.2 |
| 1025.4 | 47.5° | 1022.9 | 998.0  | 1017.9 | 1132.7 | 1412.1 | 5149.5 | 11524.0 | 13040.9 |
| 963.0  | 50°   | 965.5  | 918.1  | 935.6  | 1057.8 | 1339.8 | 6080.1 | 13155.6 | 14859.6 |
| 905.7  | 52.5° | 905.7  | 843.3  | 853.3  | 965.5  | 1274.9 | 6965.8 | 14924.5 | 17259.7 |
| 848.3  | 55°   | 843.3  | 773.4  | 778.4  | 873.2  | 1182.6 | 7098.0 | 16651.0 | 20533.1 |
| 783.4  | 57.5° | 773.4  | 708.6  | 708.6  | 788.4  | 1115.2 | 6152.4 | 17978.3 | 24594.8 |
| 703.6  | 60°   | 696.1  | 653.7  | 641.2  | 721.0  | 1175.1 | 4341.1 | 18133.0 | 27214.4 |
| 601.3  | 62.5° | 611.3  | 588.8  | 571.3  | 656.2  | 1220.0 | 2572.2 | 16888.0 | 26580.7 |
| 474.0  | 65°   | 514.0  | 509.0  | 496.5  | 721.0  | 1027.9 | 1519.4 | 14497.9 | 24637.2 |
| 404.2  | 67.5° | 431.6  | 424.1  | 424.1  | 756.0  | 780.9  | 955.5  | 11326.9 | 21962.6 |
| 344.3  | 70°   | 371.7  | 344.3  | 344.3  | 571.3  | 474.0  | 661.1  | 7908.8  | 19076.0 |
| 284.4  | 72.5° | 311.9  | 281.9  | 262.0  | 456.6  | 354.3  | 484.0  | 4942.4  | 16336.6 |
| 217.1  | 75°   | 249.5  | 227.0  | 202.1  | 301.9  | 264.5  | 366.8  | 2871.6  | 13534.9 |
| 137.2  | 77.5° | 179.6  | 169.7  | 142.2  | 222.0  | 192.1  | 264.5  | 1709.0  | 10443.7 |
| 84.8   | 80°   | 92.3   | 94.8   | 89.8   | 127.2  | 129.7  | 179.6  | 973.0   | 7147.9  |
| 54.9   | 82.5° | 54.9   | 42.4   | 47.4   | 62.4   | 74.8   | 102.3  | 366.8   | 4201.4  |
| 39.9   | 85°   | 34.9   | 22.5   | 22.5   | 29.9   | 37.4   | 39.9   | 112.3   | 1704.0  |
| 20.0   | 87.5° | 17.5   | 7.5    | 10.0   | 15.0   | 12.5   | 10.0   | 5.0     | 429.1   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

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