

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: P948460

Luminaire Tested: **GALN-SB3C-730-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-730-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23068 lumens  
Efficiency: N/A  
Efficacy: 154.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
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

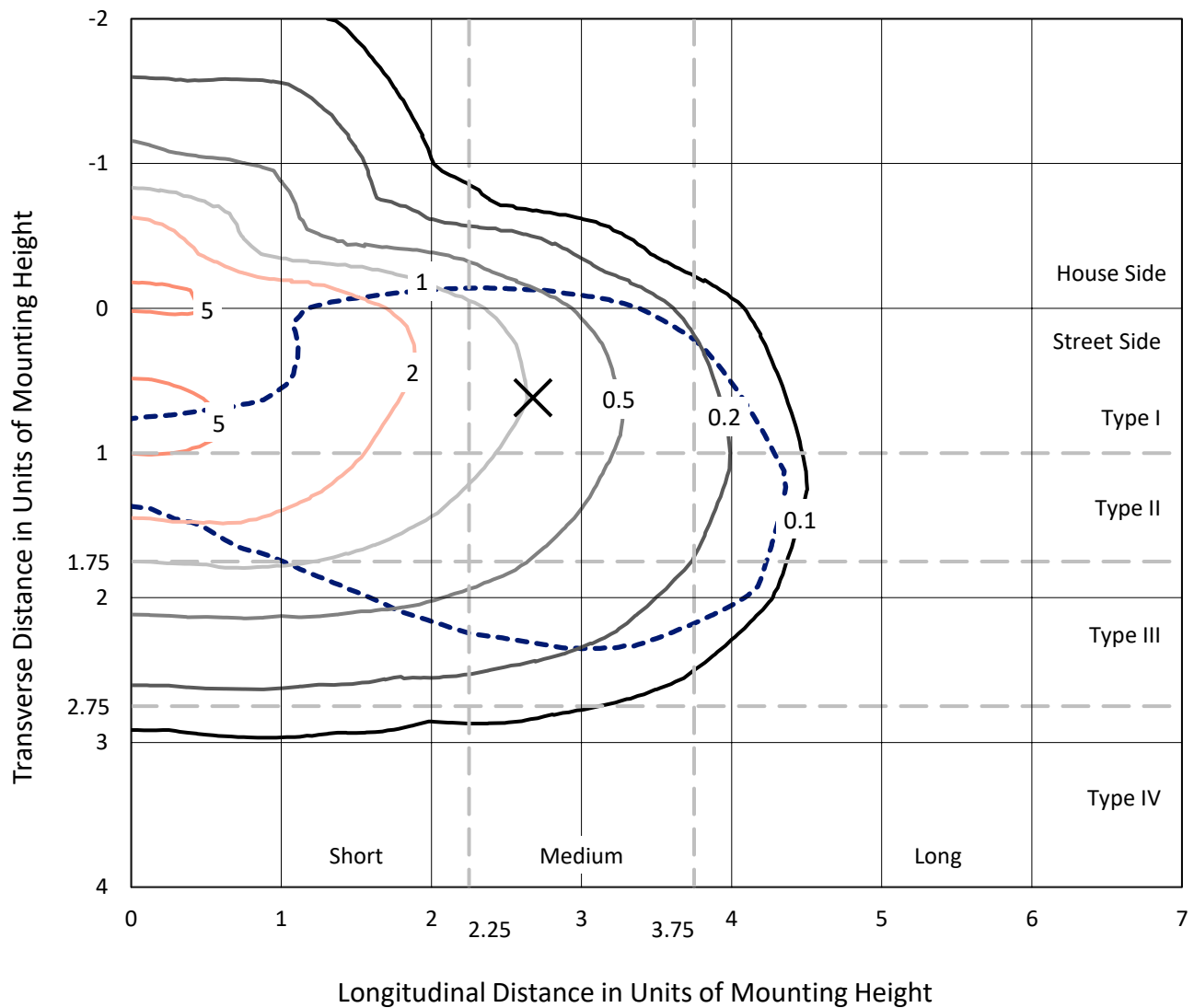


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

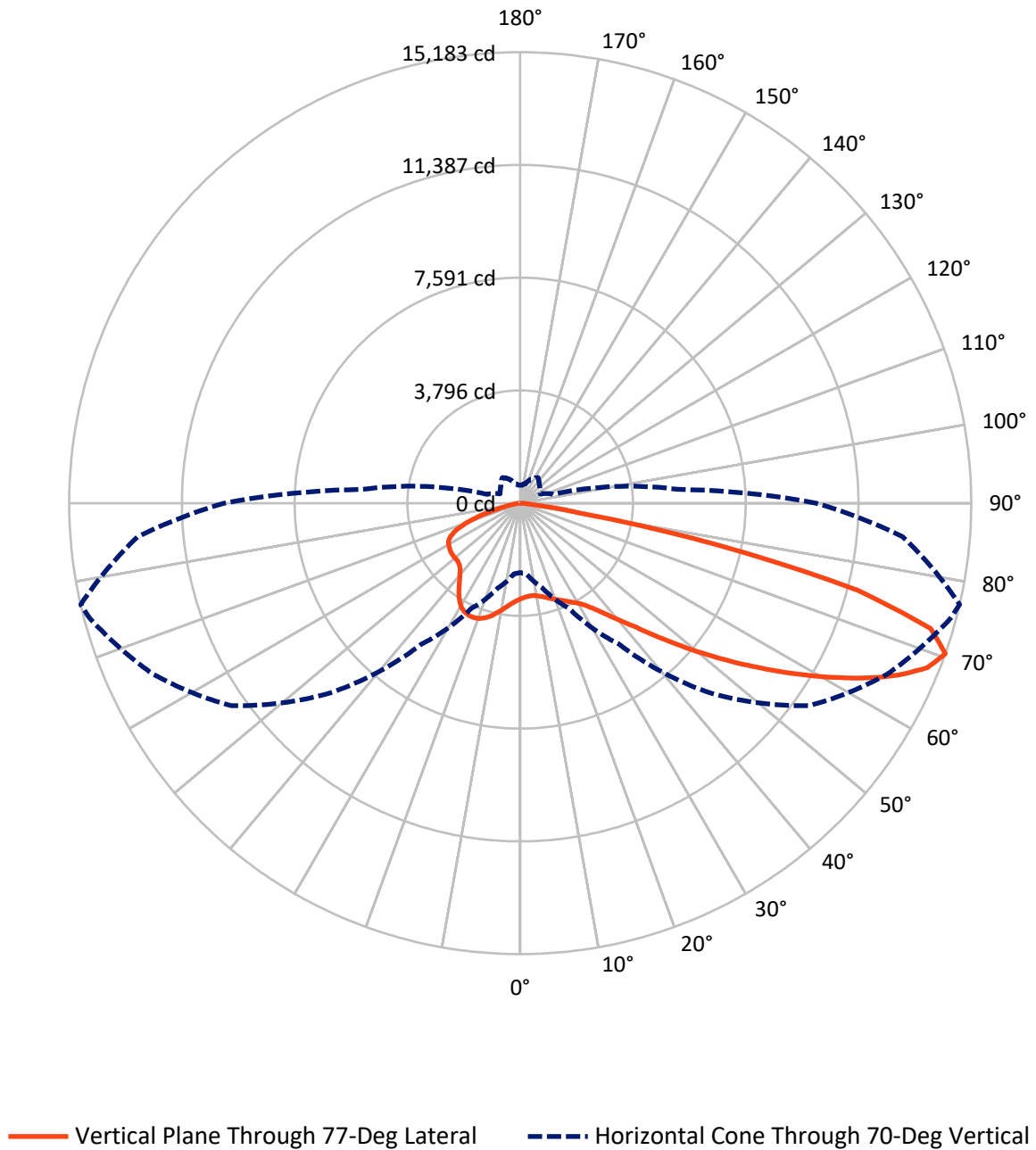


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5051.5   | 0.0    | 5051.5  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 18016.5  | 0.0    | 18016.5 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 23068.0  | 0.0    | 23068.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 306.9   | 1.3       |
| 10°-20°   | 885.8   | 3.8       |
| 20°-30°   | 1514.9  | 6.6       |
| 30°-40°   | 2436.1  | 10.6      |
| 40°-50°   | 3803.4  | 16.5      |
| 50°-60°   | 5080.4  | 22.0      |
| 60°-70°   | 5414.9  | 23.5      |
| 70°-80°   | 3333.4  | 14.5      |
| 80°-90°   | 292.1   | 1.3       |
| 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°    | 23068.0 | 100.0     |
| 0°-180°   | 23068.0 | 100.0     |

**Coefficient of Utilization**



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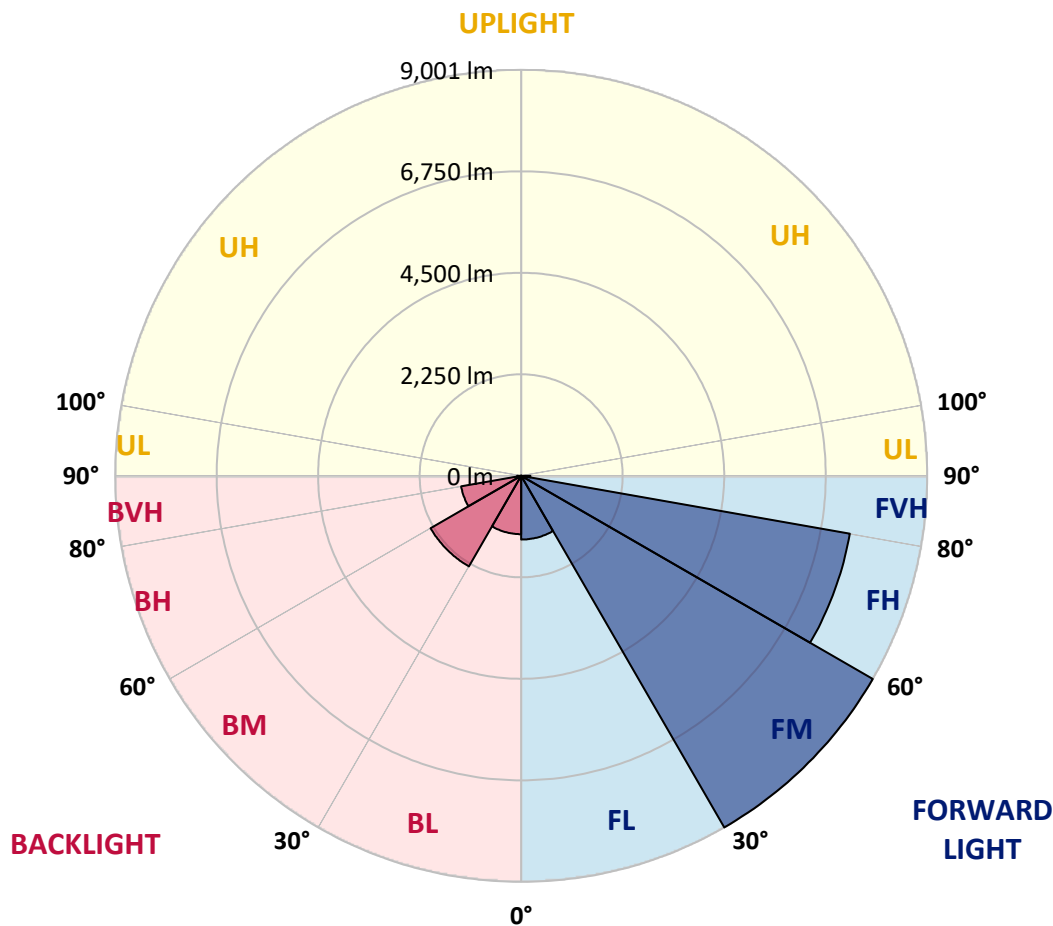
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1413.3 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 9000.6 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 7398.3 | 32.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 204.3  | 0.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1294.4 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2319.3 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1350.1 | 5.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 87.8   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     | 85°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3218.2 | 3218.2 | 3218.2 | 3218.2  | 3218.2  | 3218.2  | 3218.2  | 3218.2  | 3218.2  | 3218.2  | 3218.2  |
| 2.5°  | 2966.6 | 2965.4 | 2980.7 | 2985.5  | 3013.8  | 3033.9  | 3071.7  | 3111.9  | 3163.9  | 3169.8  | 3201.7  |
| 5°    | 2795.2 | 2795.2 | 2813.0 | 2831.9  | 2868.5  | 2908.7  | 2966.6  | 3036.3  | 3126.0  | 3140.2  | 3219.4  |
| 7.5°  | 2649.9 | 2659.4 | 2674.7 | 2711.4  | 2753.9  | 2811.8  | 2900.4  | 2999.6  | 3117.8  | 3140.2  | 3267.8  |
| 10°   | 2533.0 | 2543.6 | 2562.5 | 2592.0  | 2655.8  | 2736.2  | 2852.0  | 2979.5  | 3137.9  | 3173.3  | 3338.7  |
| 12.5° | 2496.3 | 2507.0 | 2517.6 | 2540.1  | 2599.1  | 2693.6  | 2831.9  | 2989.0  | 3186.3  | 3221.7  | 3435.6  |
| 15°   | 2581.4 | 2594.4 | 2586.1 | 2580.2  | 2610.9  | 2697.2  | 2841.3  | 3023.3  | 3246.6  | 3297.4  | 3554.9  |
| 17.5° | 2777.5 | 2782.3 | 2763.3 | 2707.8  | 2703.1  | 2749.2  | 2886.2  | 3070.5  | 3322.2  | 3377.7  | 3675.4  |
| 20°   | 3094.1 | 3085.9 | 3046.9 | 2937.0  | 2874.4  | 2865.0  | 2963.0  | 3141.4  | 3400.1  | 3459.2  | 3805.4  |
| 22.5° | 3524.2 | 3514.7 | 3436.8 | 3263.1  | 3123.7  | 3031.5  | 3074.1  | 3233.6  | 3487.6  | 3553.7  | 3931.8  |
| 25°   | 4060.6 | 4047.6 | 3933.0 | 3696.7  | 3480.5  | 3252.5  | 3225.3  | 3355.2  | 3595.1  | 3656.5  | 4064.1  |
| 27.5° | 4686.7 | 4676.1 | 4552.0 | 4240.1  | 3928.2  | 3554.9  | 3413.1  | 3498.2  | 3707.3  | 3777.0  | 4213.0  |
| 30°   | 5360.1 | 5390.8 | 5171.1 | 4835.6  | 4441.0  | 3949.5  | 3666.0  | 3674.2  | 3852.6  | 3915.2  | 4393.7  |
| 32.5° | 6151.7 | 6204.8 | 5940.2 | 5514.9  | 4976.2  | 4378.4  | 3984.9  | 3920.0  | 4064.1  | 4116.1  | 4621.7  |
| 35°   | 6936.1 | 6996.4 | 6776.6 | 6306.4  | 5686.2  | 4884.0  | 4318.1  | 4202.3  | 4345.3  | 4402.0  | 4924.2  |
| 37.5° | 7614.3 | 7694.6 | 7581.2 | 7172.4  | 6445.8  | 5493.6  | 4752.9  | 4534.3  | 4691.4  | 4762.3  | 5330.6  |
| 40°   | 8149.5 | 8272.3 | 8264.1 | 8008.9  | 7341.4  | 6233.2  | 5304.6  | 4944.3  | 5121.5  | 5198.3  | 5823.2  |
| 42.5° | 8584.2 | 8690.5 | 8782.7 | 8769.7  | 8275.9  | 7073.2  | 5953.2  | 5477.1  | 5611.8  | 5700.4  | 6377.3  |
| 45°   | 8884.3 | 8997.7 | 9196.2 | 9410.0  | 9174.9  | 7972.2  | 6696.3  | 6109.1  | 6232.0  | 6365.5  | 7037.7  |
| 47.5° | 9152.5 | 9281.3 | 9538.8 | 9877.9  | 9938.1  | 8874.9  | 7510.3  | 6845.2  | 6957.4  | 7095.6  | 7700.5  |
| 50°   | 9176.1 | 9287.2 | 9686.5 | 10167.3 | 10480.4 | 9742.0  | 8384.6  | 7671.0  | 7776.1  | 7923.8  | 8410.6  |
| 52.5° | 8605.5 | 8780.3 | 9477.4 | 10159.1 | 10729.7 | 10467.4 | 9252.9  | 8529.9  | 8648.0  | 8825.2  | 9145.4  |
| 55°   | 6679.8 | 6936.1 | 8864.2 | 9842.4  | 10641.1 | 10936.4 | 10078.7 | 9443.1  | 9594.3  | 9779.8  | 9885.0  |
| 57.5° | 5753.5 | 5865.8 | 7036.6 | 9265.9  | 10237.0 | 11058.1 | 10775.8 | 10365.8 | 10609.2 | 10812.4 | 10667.1 |
| 60°   | 5171.1 | 5264.4 | 5956.7 | 8369.2  | 9705.4  | 10865.5 | 11314.5 | 11225.9 | 11646.5 | 11888.7 | 11466.9 |
| 62.5° | 4547.3 | 4635.9 | 5265.6 | 6988.1  | 9024.9  | 10545.4 | 11654.7 | 12019.8 | 12709.7 | 12974.4 | 12220.6 |
| 65°   | 3928.2 | 4003.8 | 4607.5 | 5871.7  | 8160.1  | 10225.2 | 11830.8 | 12706.2 | 13693.9 | 13968.0 | 12846.8 |
| 67.5° | 3238.3 | 3300.9 | 3871.5 | 4953.7  | 7108.6  | 9786.9  | 11918.2 | 13246.1 | 14550.4 | 14785.5 | 13156.3 |
| 70°   | 2336.9 | 2385.3 | 2974.8 | 3917.6  | 5789.0  | 9033.2  | 11882.8 | 13628.9 | 14994.6 | 15182.5 | 12922.4 |
| 72.5° | 1104.6 | 1148.3 | 1840.7 | 2543.6  | 4088.9  | 7565.8  | 11165.6 | 13325.3 | 14543.3 | 14450.0 | 11490.5 |
| 75°   | 589.5  | 627.3  | 1057.4 | 1395.3  | 2159.6  | 5186.4  | 9137.1  | 11478.7 | 12212.4 | 11758.7 | 8492.1  |
| 77.5° | 399.3  | 428.9  | 654.5  | 837.6   | 986.5   | 2462.1  | 5872.9  | 7947.4  | 7646.2  | 6897.1  | 4253.1  |
| 80°   | 316.6  | 347.3  | 536.4  | 567.1   | 477.3   | 889.6   | 2426.6  | 3679.0  | 2642.8  | 2113.6  | 1209.8  |
| 82.5° | 243.4  | 277.6  | 451.3  | 411.1   | 259.9   | 365.1   | 706.5   | 1163.7  | 677.0   | 515.1   | 293.0   |
| 85°   | 148.9  | 185.5  | 354.4  | 262.3   | 146.5   | 166.6   | 239.8   | 323.7   | 206.7   | 172.5   | 105.1   |
| 87.5° | 75.6   | 106.3  | 179.6  | 95.7    | 66.2    | 39.0    | 63.8    | 63.8    | 54.3    | 47.3    | 27.2    |
| 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°    | 3218.2  | 3218.2 | 3218.2 | 3218.2 | 3218.2 | 3218.2 | 3218.2 | 3218.2 | 3218.2 | 3218.2 | 3218.2 |
| 2.5°  | 3230.0  | 3253.6 | 3293.8 | 3331.6 | 3361.1 | 3389.5 | 3417.9 | 3433.2 | 3437.9 | 3456.8 | 3467.5 |
| 5°    | 3267.8  | 3311.5 | 3389.5 | 3462.8 | 3508.8 | 3537.2 | 3557.3 | 3569.1 | 3571.4 | 3577.3 | 3586.8 |
| 7.5°  | 3337.5  | 3407.2 | 3515.9 | 3589.2 | 3623.4 | 3621.1 | 3612.8 | 3583.3 | 3571.4 | 3560.8 | 3563.2 |
| 10°   | 3435.6  | 3527.7 | 3661.2 | 3712.0 | 3690.8 | 3634.1 | 3560.8 | 3474.6 | 3434.4 | 3395.4 | 3383.6 |
| 12.5° | 3557.3  | 3674.2 | 3805.4 | 3803.0 | 3697.9 | 3552.5 | 3382.4 | 3250.1 | 3166.2 | 3106.0 | 3091.8 |
| 15°   | 3704.9  | 3839.6 | 3940.0 | 3859.7 | 3629.3 | 3368.2 | 3119.0 | 2946.5 | 2870.9 | 2804.7 | 2797.6 |
| 17.5° | 3857.3  | 4001.5 | 4047.6 | 3842.0 | 3456.8 | 3095.3 | 2813.0 | 2677.1 | 2602.7 | 2567.2 | 2577.9 |
| 20°   | 4006.2  | 4149.2 | 4111.4 | 3740.4 | 3194.6 | 2785.8 | 2534.2 | 2459.7 | 2444.4 | 2452.6 | 2449.1 |
| 22.5° | 4163.3  | 4290.9 | 4124.3 | 3544.3 | 2860.2 | 2469.2 | 2330.9 | 2333.3 | 2367.6 | 2392.4 | 2398.3 |
| 25°   | 4324.0  | 4410.3 | 4090.1 | 3260.7 | 2501.1 | 2236.4 | 2202.2 | 2240.0 | 2307.3 | 2355.8 | 2368.8 |
| 27.5° | 4478.8  | 4516.6 | 4015.7 | 2909.8 | 2192.7 | 2069.9 | 2075.8 | 2153.7 | 2255.3 | 2322.7 | 2339.2 |
| 30°   | 4653.6  | 4611.1 | 3872.7 | 2515.2 | 1978.9 | 1926.9 | 1976.5 | 2067.5 | 2169.1 | 2229.3 | 2243.5 |
| 32.5° | 4850.9  | 4692.6 | 3645.9 | 2150.2 | 1827.7 | 1812.3 | 1893.8 | 1952.9 | 1997.8 | 2015.5 | 2025.0 |
| 35°   | 5096.7  | 4807.2 | 3355.2 | 1893.8 | 1691.8 | 1728.4 | 1806.4 | 1776.9 | 1759.1 | 1749.7 | 1759.1 |
| 37.5° | 5415.6  | 4962.0 | 3015.0 | 1727.2 | 1581.9 | 1668.2 | 1700.1 | 1607.9 | 1538.2 | 1504.0 | 1512.2 |
| 40°   | 5799.6  | 5188.8 | 2687.7 | 1598.5 | 1512.2 | 1616.2 | 1560.7 | 1449.6 | 1361.0 | 1312.6 | 1316.1 |
| 42.5° | 6226.1  | 5426.3 | 2412.5 | 1501.6 | 1473.2 | 1573.7 | 1457.9 | 1325.6 | 1182.6 | 1167.2 | 1182.6 |
| 45°   | 6673.9  | 5670.8 | 2224.6 | 1427.2 | 1454.3 | 1537.0 | 1398.8 | 1185.0 | 1083.4 | 1146.0 | 1179.1 |
| 47.5° | 7121.6  | 5895.3 | 2111.2 | 1371.6 | 1444.9 | 1495.7 | 1346.8 | 1107.0 | 1034.9 | 1125.9 | 1168.4 |
| 50°   | 7620.2  | 6096.1 | 2060.4 | 1331.5 | 1434.2 | 1479.1 | 1268.8 | 1086.9 | 984.1  | 1044.4 | 1089.3 |
| 52.5° | 8115.2  | 6252.1 | 2022.6 | 1291.3 | 1418.9 | 1466.1 | 1231.0 | 1063.3 | 922.7  | 926.2  | 951.0  |
| 55°   | 8609.0  | 6353.7 | 1981.2 | 1238.1 | 1384.6 | 1437.8 | 1227.5 | 1037.3 | 876.6  | 860.1  | 871.9  |
| 57.5° | 9135.9  | 6411.6 | 1930.4 | 1179.1 | 1325.6 | 1365.7 | 1224.0 | 1017.2 | 862.4  | 835.3  | 838.8  |
| 60°   | 9672.3  | 6496.6 | 1864.3 | 1107.0 | 1246.4 | 1279.5 | 1215.7 | 1010.1 | 854.2  | 808.1  | 811.6  |
| 62.5° | 10153.1 | 6526.2 | 1785.1 | 1038.5 | 1144.8 | 1194.4 | 1198.0 | 1004.2 | 831.7  | 752.6  | 752.6  |
| 65°   | 10468.6 | 6398.6 | 1646.9 | 960.5  | 1034.9 | 1107.0 | 1163.7 | 984.1  | 791.6  | 712.4  | 712.4  |
| 67.5° | 10455.6 | 6034.7 | 1430.7 | 860.1  | 928.6  | 1010.1 | 1114.1 | 949.9  | 743.1  | 662.8  | 666.3  |
| 70°   | 9968.8  | 5316.4 | 1156.6 | 743.1  | 811.6  | 906.2  | 1050.3 | 899.1  | 685.2  | 608.4  | 615.5  |
| 72.5° | 8550.0  | 4161.0 | 840.0  | 606.1  | 675.8  | 798.6  | 967.6  | 837.6  | 626.2  | 560.0  | 556.5  |
| 75°   | 6108.0  | 2633.4 | 569.4  | 465.5  | 525.7  | 677.0  | 864.8  | 765.6  | 571.8  | 562.4  | 530.5  |
| 77.5° | 3120.1  | 1258.2 | 376.9  | 340.2  | 366.2  | 534.0  | 726.6  | 684.0  | 580.1  | 464.3  | 413.5  |
| 80°   | 1014.8  | 464.3  | 237.5  | 231.6  | 243.4  | 355.6  | 562.4  | 561.2  | 439.5  | 315.4  | 278.8  |
| 82.5° | 323.7   | 199.7  | 154.8  | 148.9  | 143.0  | 223.3  | 392.2  | 444.2  | 296.5  | 199.7  | 198.5  |
| 85°   | 128.8   | 119.3  | 91.0   | 83.9   | 60.3   | 105.1  | 205.6  | 295.4  | 220.9  | 144.1  | 147.7  |
| 87.5° | 47.3    | 47.3   | 24.8   | 17.7   | 13.0   | 35.4   | 55.5   | 88.6   | 126.4  | 74.4   | 73.2   |
| 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)