

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: P951988

Luminaire Tested: **GALN-SB6A-722-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951988  
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-SB6A-722-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23069 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
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

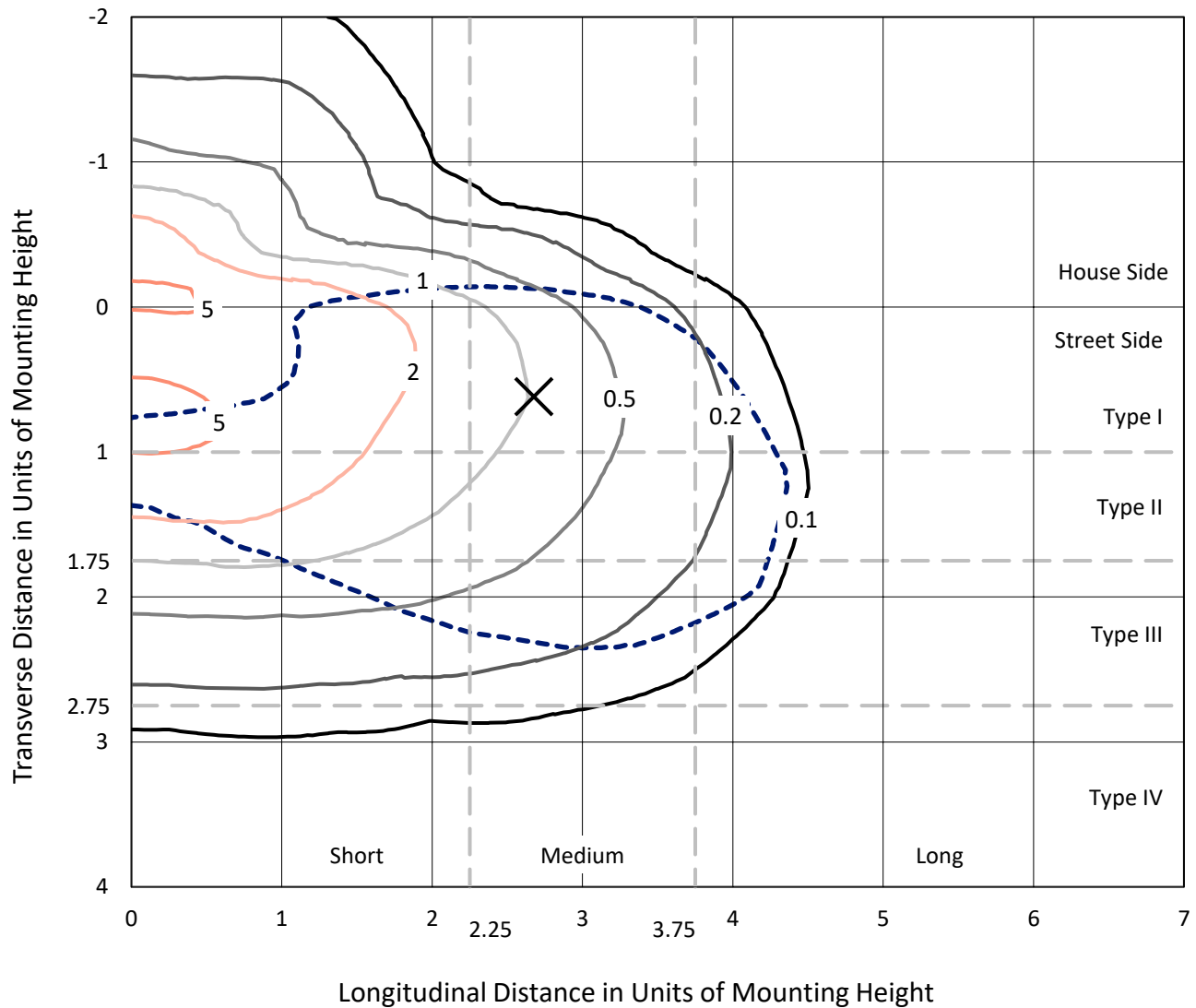


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

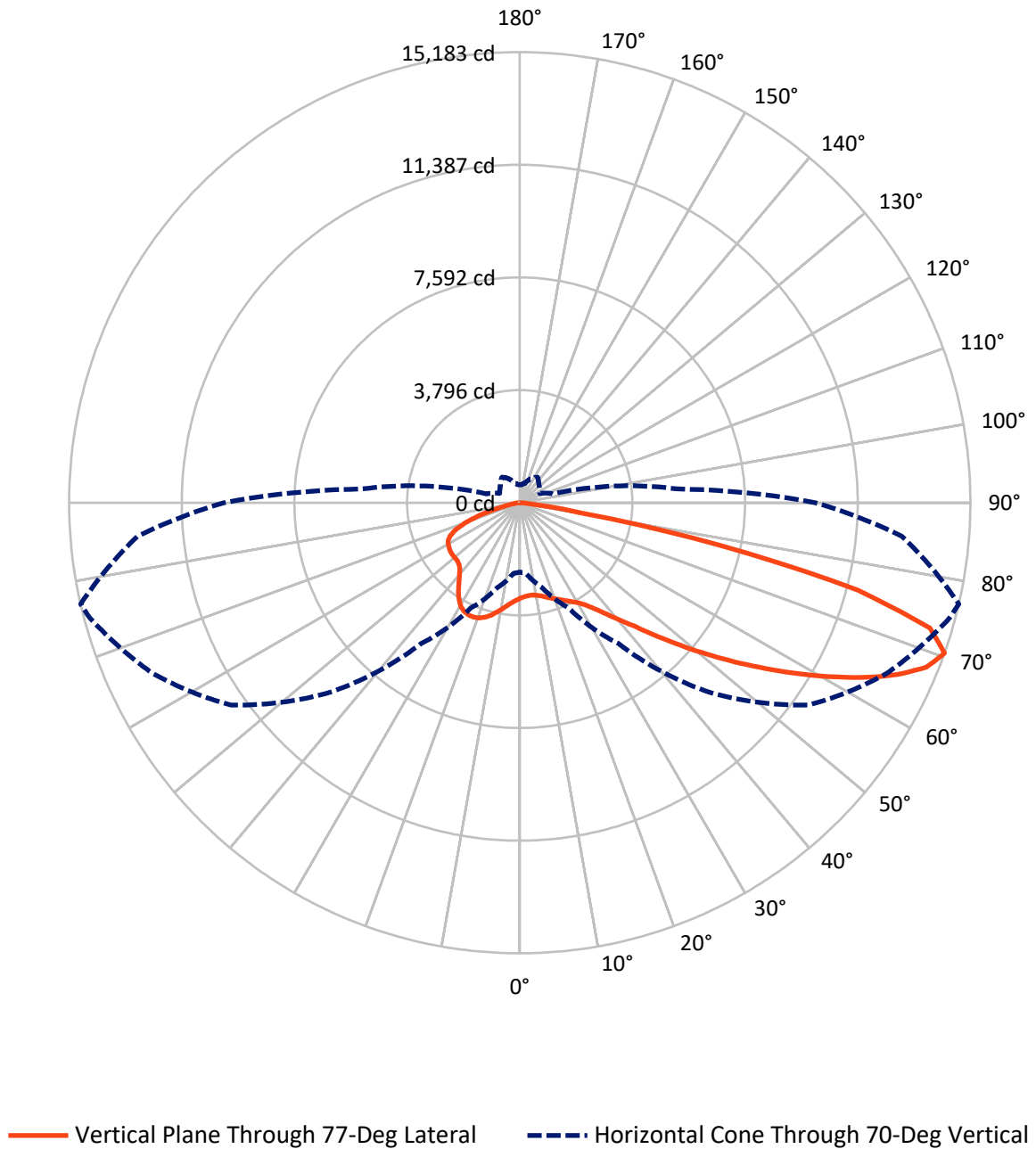


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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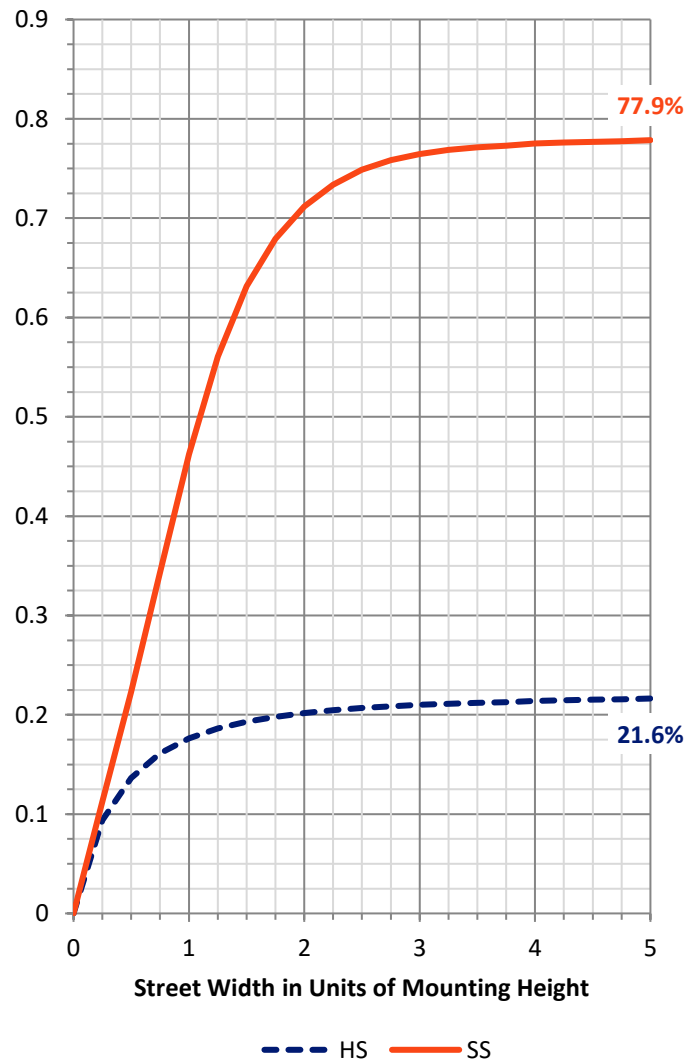
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5051.8   | 0.0    | 5051.8  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 18017.2  | 0.0    | 18017.2 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 23069.0  | 0.0    | 23069.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 306.9   | 1.3       |
| 10°-20°   | 885.9   | 3.8       |
| 20°-30°   | 1515.0  | 6.6       |
| 30°-40°   | 2436.2  | 10.6      |
| 40°-50°   | 3803.6  | 16.5      |
| 50°-60°   | 5080.6  | 22.0      |
| 60°-70°   | 5415.2  | 23.5      |
| 70°-80°   | 3333.6  | 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°    | 23069.0 | 100.0     |
| 0°-180°   | 23069.0 | 100.0     |

**Coefficient of Utilization**



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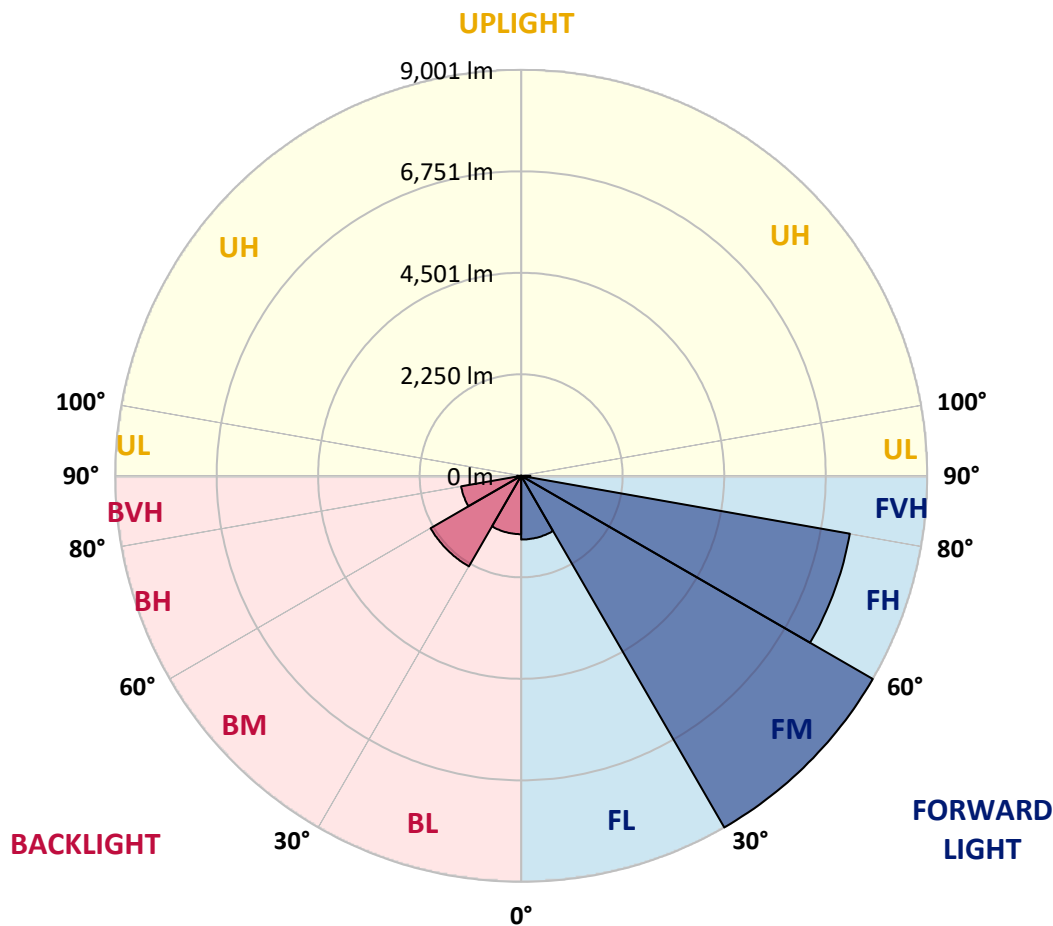
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1413.3 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 9001.0 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 7398.6 | 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°)   | 2319.4 | 10.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1350.1 | 5.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 87.9   | 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°    | 3218.3 | 3218.3 | 3218.3 | 3218.3  | 3218.3  | 3218.3  | 3218.3  | 3218.3  | 3218.3  | 3218.3  | 3218.3  |
| 2.5°  | 2966.7 | 2965.5 | 2980.9 | 2985.6  | 3013.9  | 3034.0  | 3071.8  | 3112.0  | 3164.0  | 3169.9  | 3201.8  |
| 5°    | 2795.4 | 2795.4 | 2813.1 | 2832.0  | 2868.6  | 2908.8  | 2966.7  | 3036.4  | 3126.2  | 3140.4  | 3219.5  |
| 7.5°  | 2650.0 | 2659.5 | 2674.9 | 2711.5  | 2754.0  | 2811.9  | 2900.5  | 2999.8  | 3117.9  | 3140.4  | 3268.0  |
| 10°   | 2533.1 | 2543.7 | 2562.6 | 2592.2  | 2656.0  | 2736.3  | 2852.1  | 2979.7  | 3138.0  | 3173.4  | 3338.8  |
| 12.5° | 2496.5 | 2507.1 | 2517.7 | 2540.2  | 2599.2  | 2693.8  | 2832.0  | 2989.1  | 3186.4  | 3221.9  | 3435.7  |
| 15°   | 2581.5 | 2594.5 | 2586.2 | 2580.3  | 2611.1  | 2697.3  | 2841.4  | 3023.4  | 3246.7  | 3297.5  | 3555.1  |
| 17.5° | 2777.6 | 2782.4 | 2763.5 | 2707.9  | 2703.2  | 2749.3  | 2886.3  | 3070.7  | 3322.3  | 3377.8  | 3675.6  |
| 20°   | 3094.3 | 3086.0 | 3047.0 | 2937.1  | 2874.5  | 2865.1  | 2963.1  | 3141.5  | 3400.3  | 3459.4  | 3805.5  |
| 22.5° | 3524.3 | 3514.9 | 3436.9 | 3263.2  | 3123.8  | 3031.7  | 3074.2  | 3233.7  | 3487.7  | 3553.9  | 3931.9  |
| 25°   | 4060.7 | 4047.7 | 3933.1 | 3696.8  | 3480.6  | 3252.6  | 3225.4  | 3355.4  | 3595.2  | 3656.7  | 4064.3  |
| 27.5° | 4686.9 | 4676.3 | 4552.2 | 4240.3  | 3928.4  | 3555.1  | 3413.3  | 3498.3  | 3707.5  | 3777.2  | 4213.1  |
| 30°   | 5360.3 | 5391.1 | 5171.3 | 4835.8  | 4441.2  | 3949.7  | 3666.1  | 3674.4  | 3852.8  | 3915.4  | 4393.9  |
| 32.5° | 6151.9 | 6205.1 | 5940.5 | 5515.1  | 4976.4  | 4378.5  | 3985.1  | 3920.1  | 4064.3  | 4116.3  | 4621.9  |
| 35°   | 6936.4 | 6996.7 | 6776.9 | 6306.7  | 5686.4  | 4884.2  | 4318.3  | 4202.5  | 4345.5  | 4402.2  | 4924.4  |
| 37.5° | 7614.6 | 7694.9 | 7581.5 | 7172.7  | 6446.1  | 5493.9  | 4753.1  | 4534.5  | 4691.6  | 4762.5  | 5330.8  |
| 40°   | 8149.8 | 8272.7 | 8264.4 | 8009.2  | 7341.7  | 6233.5  | 5304.8  | 4944.5  | 5121.7  | 5198.5  | 5823.5  |
| 42.5° | 8584.6 | 8690.9 | 8783.1 | 8770.1  | 8276.2  | 7073.5  | 5953.4  | 5477.3  | 5612.0  | 5700.6  | 6377.6  |
| 45°   | 8884.7 | 8998.1 | 9196.6 | 9410.4  | 9175.3  | 7972.6  | 6696.6  | 6109.4  | 6232.3  | 6365.8  | 7038.0  |
| 47.5° | 9152.9 | 9281.7 | 9539.2 | 9878.3  | 9938.6  | 8875.2  | 7510.6  | 6845.5  | 6957.7  | 7095.9  | 7700.8  |
| 50°   | 9176.5 | 9287.6 | 9686.9 | 10167.8 | 10480.9 | 9742.4  | 8384.9  | 7671.3  | 7776.5  | 7924.1  | 8410.9  |
| 52.5° | 8605.9 | 8780.7 | 9477.8 | 10159.5 | 10730.1 | 10467.9 | 9253.3  | 8530.2  | 8648.4  | 8825.6  | 9145.8  |
| 55°   | 6680.1 | 6936.4 | 8864.6 | 9842.9  | 10641.5 | 10936.9 | 10079.2 | 9443.5  | 9594.8  | 9780.2  | 9885.4  |
| 57.5° | 5753.8 | 5866.0 | 7036.9 | 9266.3  | 10237.5 | 11058.6 | 10776.2 | 10366.3 | 10609.6 | 10812.9 | 10667.5 |
| 60°   | 5171.3 | 5264.6 | 5957.0 | 8369.6  | 9705.8  | 10866.0 | 11315.0 | 11226.4 | 11647.0 | 11889.2 | 11467.4 |
| 62.5° | 4547.5 | 4636.1 | 5265.8 | 6988.4  | 9025.3  | 10545.8 | 11655.2 | 12020.3 | 12710.3 | 12975.0 | 12221.2 |
| 65°   | 3928.4 | 4004.0 | 4607.7 | 5871.9  | 8160.4  | 10225.7 | 11831.3 | 12706.8 | 13694.5 | 13968.6 | 12847.4 |
| 67.5° | 3238.4 | 3301.0 | 3871.7 | 4953.9  | 7108.9  | 9787.3  | 11918.7 | 13246.7 | 14551.0 | 14786.2 | 13156.9 |
| 70°   | 2337.0 | 2385.4 | 2975.0 | 3917.8  | 5789.2  | 9033.6  | 11883.3 | 13629.5 | 14995.3 | 15183.1 | 12923.0 |
| 72.5° | 1104.7 | 1148.4 | 1840.7 | 2543.7  | 4089.1  | 7566.2  | 11166.1 | 13325.8 | 14543.9 | 14450.6 | 11491.0 |
| 75°   | 589.6  | 627.4  | 1057.4 | 1395.3  | 2159.7  | 5186.7  | 9137.5  | 11479.2 | 12212.9 | 11759.2 | 8492.4  |
| 77.5° | 399.3  | 428.9  | 654.5  | 837.7   | 986.5   | 2462.2  | 5873.1  | 7947.8  | 7646.5  | 6897.4  | 4253.3  |
| 80°   | 316.6  | 347.4  | 536.4  | 567.1   | 477.3   | 889.7   | 2426.7  | 3679.1  | 2643.0  | 2113.7  | 1209.8  |
| 82.5° | 243.4  | 277.6  | 451.3  | 411.2   | 259.9   | 365.1   | 706.5   | 1163.8  | 677.0   | 515.1   | 293.0   |
| 85°   | 148.9  | 185.5  | 354.4  | 262.3   | 146.5   | 166.6   | 239.8   | 323.7   | 206.8   | 172.5   | 105.2   |
| 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°    | 3218.3  | 3218.3 | 3218.3 | 3218.3 | 3218.3 | 3218.3 | 3218.3 | 3218.3 | 3218.3 | 3218.3 | 3218.3 |
| 2.5°  | 3230.2  | 3253.8 | 3294.0 | 3331.8 | 3361.3 | 3389.6 | 3418.0 | 3433.4 | 3438.1 | 3457.0 | 3467.6 |
| 5°    | 3268.0  | 3311.7 | 3389.6 | 3462.9 | 3509.0 | 3537.3 | 3557.4 | 3569.2 | 3571.6 | 3577.5 | 3587.0 |
| 7.5°  | 3337.7  | 3407.4 | 3516.1 | 3589.3 | 3623.6 | 3621.2 | 3612.9 | 3583.4 | 3571.6 | 3561.0 | 3563.3 |
| 10°   | 3435.7  | 3527.9 | 3661.4 | 3712.2 | 3690.9 | 3634.2 | 3561.0 | 3474.7 | 3434.5 | 3395.6 | 3383.7 |
| 12.5° | 3557.4  | 3674.4 | 3805.5 | 3803.2 | 3698.0 | 3552.7 | 3382.6 | 3250.2 | 3166.4 | 3106.1 | 3091.9 |
| 15°   | 3705.1  | 3839.8 | 3940.2 | 3859.9 | 3629.5 | 3368.4 | 3119.1 | 2946.6 | 2871.0 | 2804.8 | 2797.7 |
| 17.5° | 3857.5  | 4001.7 | 4047.7 | 3842.2 | 3457.0 | 3095.5 | 2813.1 | 2677.2 | 2602.8 | 2567.3 | 2578.0 |
| 20°   | 4006.4  | 4149.3 | 4111.5 | 3740.5 | 3194.7 | 2785.9 | 2534.3 | 2459.8 | 2444.5 | 2452.7 | 2449.2 |
| 22.5° | 4163.5  | 4291.1 | 4124.5 | 3544.4 | 2860.3 | 2469.3 | 2331.0 | 2333.4 | 2367.7 | 2392.5 | 2398.4 |
| 25°   | 4324.2  | 4410.4 | 4090.3 | 3260.9 | 2501.2 | 2236.5 | 2202.3 | 2240.1 | 2307.4 | 2355.9 | 2368.9 |
| 27.5° | 4479.0  | 4516.8 | 4015.8 | 2910.0 | 2192.8 | 2069.9 | 2075.9 | 2153.8 | 2255.4 | 2322.8 | 2339.3 |
| 30°   | 4653.8  | 4611.3 | 3872.9 | 2515.4 | 1979.0 | 1927.0 | 1976.6 | 2067.6 | 2169.2 | 2229.4 | 2243.6 |
| 32.5° | 4851.1  | 4692.8 | 3646.0 | 2150.3 | 1827.7 | 1812.4 | 1893.9 | 1953.0 | 1997.9 | 2015.6 | 2025.0 |
| 35°   | 5096.9  | 4807.4 | 3355.4 | 1893.9 | 1691.9 | 1728.5 | 1806.5 | 1776.9 | 1759.2 | 1749.8 | 1759.2 |
| 37.5° | 5415.9  | 4962.2 | 3015.1 | 1727.3 | 1582.0 | 1668.2 | 1700.1 | 1608.0 | 1538.3 | 1504.0 | 1512.3 |
| 40°   | 5799.9  | 5189.0 | 2687.9 | 1598.5 | 1512.3 | 1616.3 | 1560.7 | 1449.7 | 1361.1 | 1312.6 | 1316.2 |
| 42.5° | 6226.4  | 5426.5 | 2412.6 | 1501.7 | 1473.3 | 1573.7 | 1457.9 | 1325.6 | 1182.7 | 1167.3 | 1182.7 |
| 45°   | 6674.1  | 5671.1 | 2224.7 | 1427.2 | 1454.4 | 1537.1 | 1398.9 | 1185.0 | 1083.4 | 1146.0 | 1179.1 |
| 47.5° | 7121.9  | 5895.6 | 2111.3 | 1371.7 | 1444.9 | 1495.7 | 1346.9 | 1107.0 | 1035.0 | 1125.9 | 1168.5 |
| 50°   | 7620.5  | 6096.4 | 2060.5 | 1331.5 | 1434.3 | 1479.2 | 1268.9 | 1087.0 | 984.2  | 1044.4 | 1089.3 |
| 52.5° | 8115.5  | 6252.4 | 2022.7 | 1291.4 | 1419.0 | 1466.2 | 1231.1 | 1063.3 | 922.7  | 926.3  | 951.1  |
| 55°   | 8609.4  | 6354.0 | 1981.3 | 1238.2 | 1384.7 | 1437.9 | 1227.6 | 1037.3 | 876.7  | 860.1  | 871.9  |
| 57.5° | 9136.3  | 6411.9 | 1930.5 | 1179.1 | 1325.6 | 1365.8 | 1224.0 | 1017.2 | 862.5  | 835.3  | 838.8  |
| 60°   | 9672.7  | 6496.9 | 1864.4 | 1107.0 | 1246.5 | 1279.5 | 1215.7 | 1010.2 | 854.2  | 808.1  | 811.7  |
| 62.5° | 10153.6 | 6526.5 | 1785.2 | 1038.5 | 1144.8 | 1194.5 | 1198.0 | 1004.3 | 831.8  | 752.6  | 752.6  |
| 65°   | 10469.0 | 6398.9 | 1647.0 | 960.5  | 1035.0 | 1107.0 | 1163.8 | 984.2  | 791.6  | 712.4  | 712.4  |
| 67.5° | 10456.0 | 6035.0 | 1430.8 | 860.1  | 928.6  | 1010.2 | 1114.1 | 949.9  | 743.1  | 662.8  | 666.4  |
| 70°   | 9969.3  | 5316.6 | 1156.7 | 743.1  | 811.7  | 906.2  | 1050.3 | 899.1  | 685.3  | 608.5  | 615.5  |
| 72.5° | 8550.3  | 4161.2 | 840.0  | 606.1  | 675.8  | 798.7  | 967.6  | 837.7  | 626.2  | 560.0  | 556.5  |
| 75°   | 6108.2  | 2633.5 | 569.5  | 465.5  | 525.8  | 677.0  | 864.8  | 765.6  | 571.8  | 562.4  | 530.5  |
| 77.5° | 3120.3  | 1258.3 | 376.9  | 340.3  | 366.3  | 534.0  | 726.6  | 684.1  | 580.1  | 464.3  | 413.5  |
| 80°   | 1014.9  | 464.3  | 237.5  | 231.6  | 243.4  | 355.6  | 562.4  | 561.2  | 439.5  | 315.5  | 278.8  |
| 82.5° | 323.7   | 199.7  | 154.8  | 148.9  | 143.0  | 223.3  | 392.2  | 444.2  | 296.6  | 199.7  | 198.5  |
| 85°   | 128.8   | 119.3  | 91.0   | 83.9   | 60.3   | 105.2  | 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   | 73.3   |
| 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)