

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: P942284

Luminaire Tested: **GALN-SB6B-722-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942284  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 20598 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
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

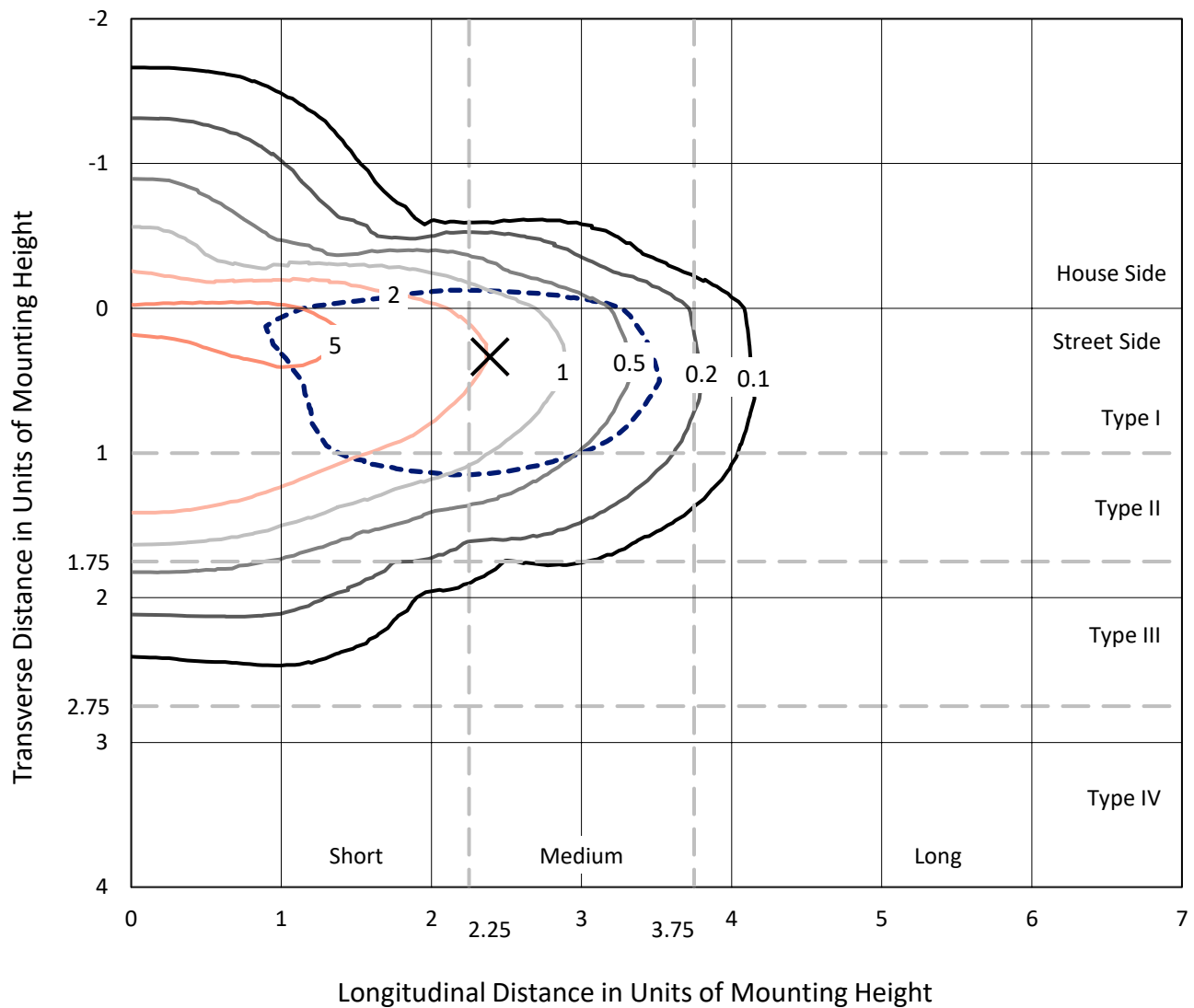


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

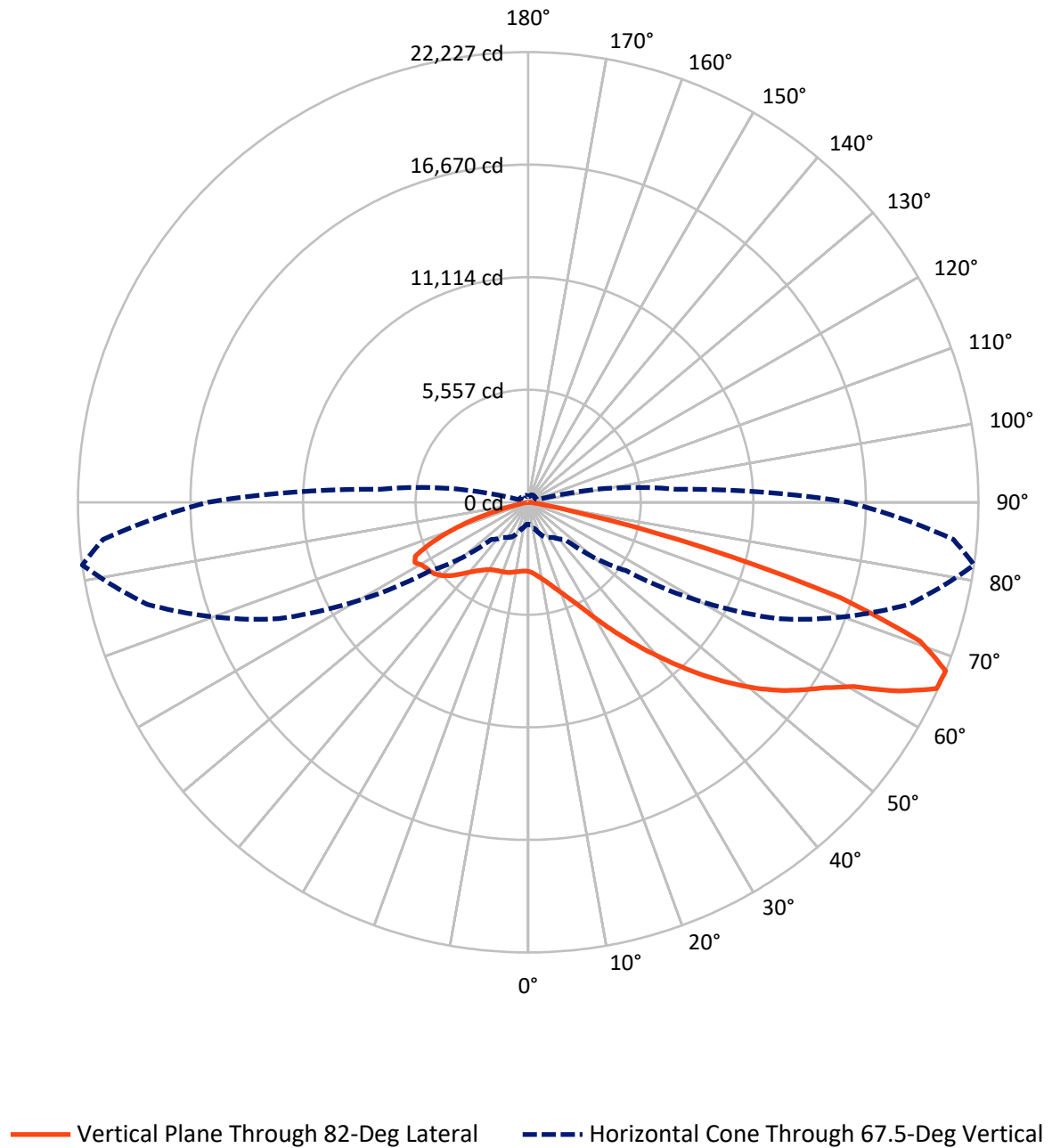


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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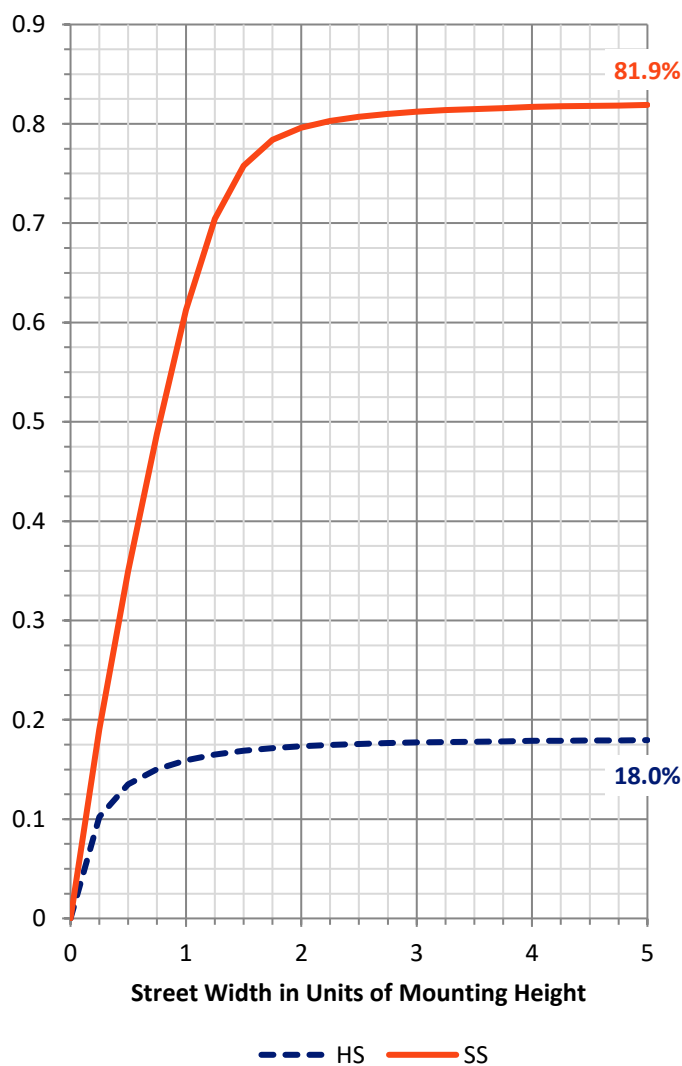
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3731.1   | 0.0    | 3731.1  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 16866.9  | 0.0    | 16866.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 20598.0  | 0.0    | 20598.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 304.0   | 1.5       |
| 10°-20°   | 790.0   | 3.8       |
| 20°-30°   | 1265.4  | 6.1       |
| 30°-40°   | 2237.6  | 10.9      |
| 40°-50°   | 3920.4  | 19.0      |
| 50°-60°   | 5228.7  | 25.4      |
| 60°-70°   | 4867.7  | 23.6      |
| 70°-80°   | 1868.2  | 9.1       |
| 80°-90°   | 116.0   | 0.6       |
| 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°    | 20598.0 | 100.0     |
| 0°-180°   | 20598.0 | 100.0     |

**Coefficient of Utilization**



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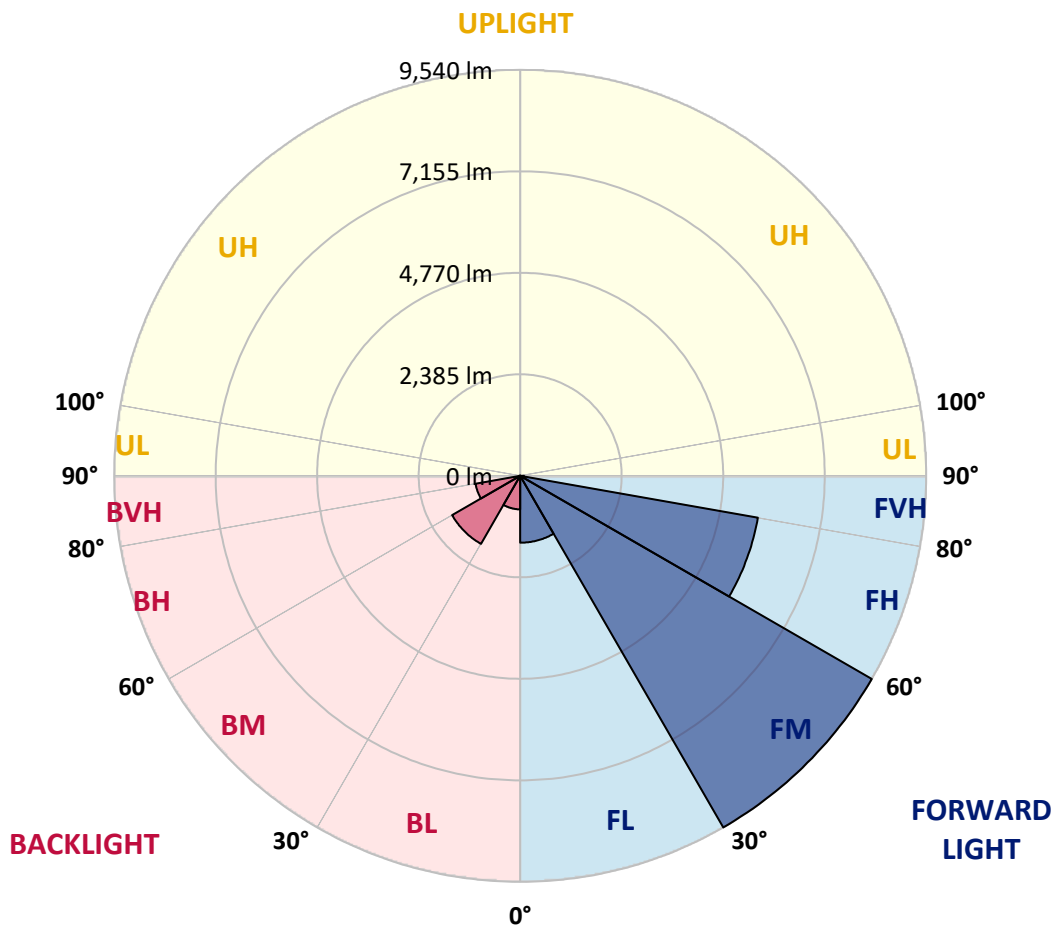
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1571.4 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 9540.2 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 5670.9 | 27.5      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 84.4   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 788.0  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1846.5 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1064.9 | 5.2       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 31.7   | 0.2       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 82°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4  | 3412.4  | 3412.4  | 3412.4  | 3412.4  |
| 2.5°  | 3606.7 | 3627.4 | 3615.6 | 3609.6 | 3599.3 | 3584.4 | 3572.6  | 3535.5  | 3496.9  | 3471.7  | 3462.8  |
| 5°    | 3679.3 | 3700.1 | 3698.6 | 3704.5 | 3712.0 | 3716.4 | 3713.4  | 3671.9  | 3617.0  | 3574.0  | 3548.8  |
| 7.5°  | 3617.0 | 3640.8 | 3660.1 | 3689.7 | 3741.6 | 3796.5 | 3823.2  | 3814.3  | 3757.9  | 3698.6  | 3667.5  |
| 10°   | 3440.6 | 3465.8 | 3511.8 | 3581.5 | 3691.2 | 3809.8 | 3909.2  | 3955.2  | 3919.6  | 3854.3  | 3811.3  |
| 12.5° | 3117.3 | 3142.5 | 3232.9 | 3384.2 | 3568.1 | 3774.2 | 3964.1  | 4087.2  | 4096.1  | 4030.8  | 3980.4  |
| 15°   | 2753.9 | 2779.1 | 2875.5 | 3065.4 | 3345.7 | 3676.4 | 3993.7  | 4226.6  | 4305.2  | 4248.8  | 4188.0  |
| 17.5° | 2528.5 | 2550.8 | 2623.4 | 2776.2 | 3068.3 | 3480.6 | 3983.3  | 4374.9  | 4554.3  | 4509.8  | 4437.1  |
| 20°   | 2460.3 | 2479.6 | 2513.7 | 2620.5 | 2863.7 | 3277.4 | 3915.1  | 4514.3  | 4822.7  | 4797.5  | 4716.0  |
| 22.5° | 2533.0 | 2550.8 | 2561.1 | 2608.6 | 2761.4 | 3144.0 | 3829.1  | 4656.6  | 5134.2  | 5137.1  | 5037.8  |
| 25°   | 2700.5 | 2718.3 | 2706.5 | 2736.1 | 2802.9 | 3102.4 | 3796.5  | 4824.2  | 5525.7  | 5558.3  | 5445.6  |
| 27.5° | 2976.4 | 2977.9 | 2949.7 | 2948.2 | 2958.6 | 3164.7 | 3830.6  | 5003.7  | 6019.5  | 6080.3  | 5940.9  |
| 30°   | 3529.5 | 3507.3 | 3399.0 | 3281.9 | 3228.5 | 3351.6 | 3925.5  | 5215.7  | 6602.3  | 6710.6  | 6535.6  |
| 32.5° | 4382.3 | 4349.6 | 4150.9 | 3870.6 | 3588.9 | 3652.6 | 4096.1  | 5457.5  | 7237.1  | 7432.8  | 7219.3  |
| 35°   | 5307.7 | 5298.8 | 5091.2 | 4674.4 | 4182.1 | 4081.2 | 4373.4  | 5774.8  | 7929.6  | 8241.1  | 7987.5  |
| 37.5° | 6167.8 | 6163.4 | 6044.7 | 5553.8 | 4954.7 | 4678.9 | 4818.3  | 6190.1  | 8671.1  | 9122.0  | 8822.4  |
| 40°   | 6953.8 | 6967.2 | 6848.5 | 6409.5 | 5806.0 | 5445.6 | 5423.3  | 6703.2  | 9495.7  | 10081.5 | 9725.5  |
| 42.5° | 7633.0 | 7647.9 | 7527.7 | 7202.9 | 6646.8 | 6293.9 | 6166.3  | 7332.0  | 10300.9 | 11112.1 | 10691.0 |
| 45°   | 8094.2 | 8186.2 | 8168.4 | 7908.9 | 7509.9 | 7143.6 | 7059.1  | 8120.9  | 11218.9 | 12205.1 | 11711.3 |
| 47.5° | 8224.7 | 8309.3 | 8442.7 | 8478.3 | 8235.1 | 7874.7 | 7975.6  | 9071.5  | 12147.3 | 13299.6 | 12737.5 |
| 50°   | 7902.9 | 7981.5 | 8258.8 | 8628.1 | 8797.2 | 8686.0 | 8866.9  | 10090.4 | 13097.9 | 14391.1 | 13744.5 |
| 52.5° | 7268.2 | 7348.3 | 7698.3 | 8282.6 | 8972.2 | 9322.2 | 9761.1  | 11094.4 | 14018.8 | 15424.7 | 14698.0 |
| 55°   | 6350.2 | 6434.8 | 6884.1 | 7545.5 | 8638.5 | 9584.7 | 10507.1 | 12096.9 | 14862.7 | 16354.6 | 15558.2 |
| 57.5° | 5101.5 | 5163.8 | 5631.0 | 6556.4 | 7799.1 | 9323.6 | 11057.3 | 13191.3 | 15657.6 | 17268.1 | 16410.9 |
| 60°   | 3324.9 | 3379.8 | 3922.5 | 4954.7 | 6408.1 | 8451.6 | 11167.0 | 14411.8 | 16713.5 | 18456.0 | 17560.2 |
| 62.5° | 2211.2 | 2248.2 | 2570.0 | 3327.9 | 4512.8 | 6777.3 | 10524.9 | 15386.2 | 18261.7 | 20523.3 | 19531.2 |
| 65°   | 1517.1 | 1554.2 | 1876.0 | 2403.9 | 2915.6 | 4483.1 | 8678.5  | 15257.1 | 19664.6 | 22165.0 | 20991.9 |
| 67.5° | 1082.6 | 1113.7 | 1386.6 | 1884.9 | 2110.3 | 2604.2 | 5883.1  | 13608.0 | 19462.9 | 22227.3 | 21070.5 |
| 70°   | 775.6  | 793.4  | 1018.8 | 1468.2 | 1677.3 | 1564.6 | 3271.5  | 10407.7 | 17041.2 | 20524.8 | 19465.9 |
| 72.5° | 542.8  | 548.7  | 707.4  | 1118.2 | 1351.0 | 1141.9 | 1557.2  | 6939.0  | 12888.8 | 16109.9 | 15091.0 |
| 75°   | 367.8  | 375.2  | 476.0  | 820.1  | 1084.1 | 872.0  | 824.6   | 3720.9  | 7566.3  | 8917.3  | 7993.4  |
| 77.5° | 225.4  | 228.4  | 307.0  | 560.6  | 811.2  | 664.4  | 530.9   | 1576.4  | 2927.4  | 2874.1  | 2449.9  |
| 80°   | 127.5  | 127.5  | 195.8  | 348.5  | 553.2  | 428.6  | 372.2   | 670.3   | 926.9   | 814.2   | 717.8   |
| 82.5° | 71.2   | 72.7   | 142.4  | 216.5  | 366.3  | 253.6  | 204.7   | 309.9   | 400.4   | 354.4   | 308.5   |
| 85°   | 29.7   | 32.6   | 87.5   | 102.3  | 175.0  | 126.1  | 83.0    | 130.5   | 148.3   | 132.0   | 96.4    |
| 87.5° | 3.0    | 4.4    | 26.7   | 19.3   | 20.8   | 25.2   | 11.9    | 25.2    | 20.8    | 20.8    | 14.8    |
| 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°    | 3412.4  | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 | 3412.4 |
| 2.5°  | 3434.6  | 3412.4 | 3356.0 | 3290.8 | 3204.8 | 3163.2 | 3106.9 | 3068.3 | 3035.7 | 3038.7 | 3009.0 |
| 5°    | 3501.4  | 3445.0 | 3319.0 | 3161.8 | 2966.0 | 2826.6 | 2678.3 | 2576.0 | 2492.9 | 2475.1 | 2435.1 |
| 7.5°  | 3593.3  | 3504.3 | 3283.4 | 3000.1 | 2669.4 | 2418.8 | 2194.8 | 2051.0 | 1948.7 | 1916.0 | 1883.4 |
| 10°   | 3712.0  | 3582.9 | 3237.4 | 2796.9 | 2320.9 | 2002.1 | 1761.8 | 1649.1 | 1579.4 | 1555.7 | 1537.9 |
| 12.5° | 3849.9  | 3673.4 | 3176.6 | 2549.3 | 1962.0 | 1655.0 | 1502.3 | 1445.9 | 1423.7 | 1416.3 | 1411.8 |
| 15°   | 4023.4  | 3786.1 | 3084.6 | 2255.6 | 1658.0 | 1443.0 | 1377.7 | 1370.3 | 1373.3 | 1370.3 | 1368.8 |
| 17.5° | 4229.5  | 3909.2 | 2934.9 | 1953.1 | 1453.3 | 1334.7 | 1311.0 | 1316.9 | 1324.3 | 1322.8 | 1319.9 |
| 20°   | 4454.9  | 4030.8 | 2743.6 | 1684.7 | 1313.9 | 1257.6 | 1244.2 | 1250.2 | 1256.1 | 1253.1 | 1251.7 |
| 22.5° | 4711.5  | 4161.3 | 2531.5 | 1475.6 | 1220.5 | 1186.4 | 1171.6 | 1173.1 | 1173.1 | 1167.1 | 1164.2 |
| 25°   | 5018.5  | 4305.2 | 2309.0 | 1327.3 | 1149.3 | 1122.6 | 1104.8 | 1098.9 | 1090.0 | 1072.2 | 1069.2 |
| 27.5° | 5384.8  | 4457.9 | 2095.5 | 1223.5 | 1093.0 | 1067.8 | 1047.0 | 1032.2 | 1009.9 | 980.3  | 977.3  |
| 30°   | 5797.1  | 4643.3 | 1914.6 | 1158.2 | 1048.5 | 1023.3 | 999.5  | 977.3  | 944.7  | 907.6  | 904.6  |
| 32.5° | 6282.0  | 4842.0 | 1782.6 | 1115.2 | 1008.4 | 981.7  | 953.6  | 926.9  | 891.3  | 854.2  | 855.7  |
| 35°   | 6860.4  | 5082.3 | 1705.5 | 1085.6 | 977.3  | 941.7  | 910.6  | 880.9  | 854.2  | 821.6  | 818.6  |
| 37.5° | 7487.7  | 5337.3 | 1681.7 | 1070.7 | 956.5  | 901.7  | 866.1  | 845.3  | 842.3  | 823.1  | 821.6  |
| 40°   | 8174.3  | 5639.9 | 1699.5 | 1061.8 | 934.3  | 863.1  | 824.6  | 820.1  | 827.5  | 793.4  | 794.9  |
| 42.5° | 8901.0  | 5998.8 | 1729.2 | 1051.4 | 903.1  | 824.6  | 787.5  | 787.5  | 781.5  | 734.1  | 734.1  |
| 45°   | 9687.0  | 6412.5 | 1758.8 | 1026.2 | 866.1  | 786.0  | 757.8  | 747.4  | 722.2  | 676.2  | 674.8  |
| 47.5° | 10478.9 | 6833.7 | 1781.1 | 980.3  | 821.6  | 753.4  | 728.2  | 704.4  | 667.4  | 625.8  | 624.3  |
| 50°   | 11230.8 | 7211.8 | 1757.4 | 912.0  | 771.2  | 722.2  | 695.5  | 662.9  | 622.9  | 594.7  | 590.2  |
| 52.5° | 11902.6 | 7539.6 | 1656.5 | 832.0  | 717.8  | 689.6  | 665.9  | 631.8  | 599.1  | 569.5  | 566.5  |
| 55°   | 12486.9 | 7805.0 | 1478.6 | 756.3  | 670.3  | 661.4  | 637.7  | 594.7  | 550.2  | 525.0  | 522.0  |
| 57.5° | 13047.5 | 8006.7 | 1256.1 | 694.0  | 627.3  | 630.3  | 594.7  | 556.1  | 514.6  | 487.9  | 484.9  |
| 60°   | 13793.4 | 8276.6 | 1030.7 | 636.2  | 581.3  | 590.2  | 551.7  | 523.5  | 471.6  | 437.5  | 433.0  |
| 62.5° | 14985.8 | 8696.3 | 818.6  | 565.0  | 527.9  | 530.9  | 514.6  | 480.5  | 418.2  | 378.2  | 375.2  |
| 65°   | 15931.9 | 8542.1 | 645.1  | 487.9  | 467.1  | 471.6  | 471.6  | 434.5  | 367.8  | 321.8  | 317.4  |
| 67.5° | 15825.1 | 7314.2 | 514.6  | 412.3  | 409.3  | 412.3  | 422.7  | 391.5  | 326.3  | 289.2  | 283.3  |
| 70°   | 14577.9 | 5817.8 | 412.3  | 342.6  | 355.9  | 348.5  | 378.2  | 357.4  | 293.6  | 256.6  | 252.1  |
| 72.5° | 11895.2 | 4191.0 | 314.4  | 283.3  | 272.9  | 284.7  | 341.1  | 321.8  | 244.7  | 203.2  | 198.7  |
| 75°   | 6950.8  | 2236.4 | 234.3  | 223.9  | 197.2  | 237.3  | 302.5  | 274.4  | 186.9  | 149.8  | 145.3  |
| 77.5° | 2263.1  | 780.1  | 172.0  | 164.6  | 146.8  | 191.3  | 258.0  | 231.3  | 152.7  | 118.6  | 114.2  |
| 80°   | 606.5   | 235.8  | 117.2  | 108.3  | 94.9   | 142.4  | 204.7  | 183.9  | 109.7  | 77.1   | 75.6   |
| 82.5° | 243.2   | 99.4   | 68.2   | 60.8   | 51.9   | 97.9   | 161.6  | 148.3  | 81.6   | 48.9   | 48.9   |
| 85°   | 78.6    | 32.6   | 25.2   | 19.3   | 23.7   | 60.8   | 96.4   | 100.8  | 57.8   | 25.2   | 19.3   |
| 87.5° | 10.4    | 4.4    | 4.4    | 5.9    | 4.4    | 10.4   | 29.7   | 28.2   | 16.3   | 3.0    | 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)