

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: P956305

Luminaire Tested: **GALN-SB9A-730-U-SLL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956305  
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-SB9A-730-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 350mA 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: 31182 lumens  
Efficiency: N/A  
Efficacy: 122.0 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): 255.5  
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



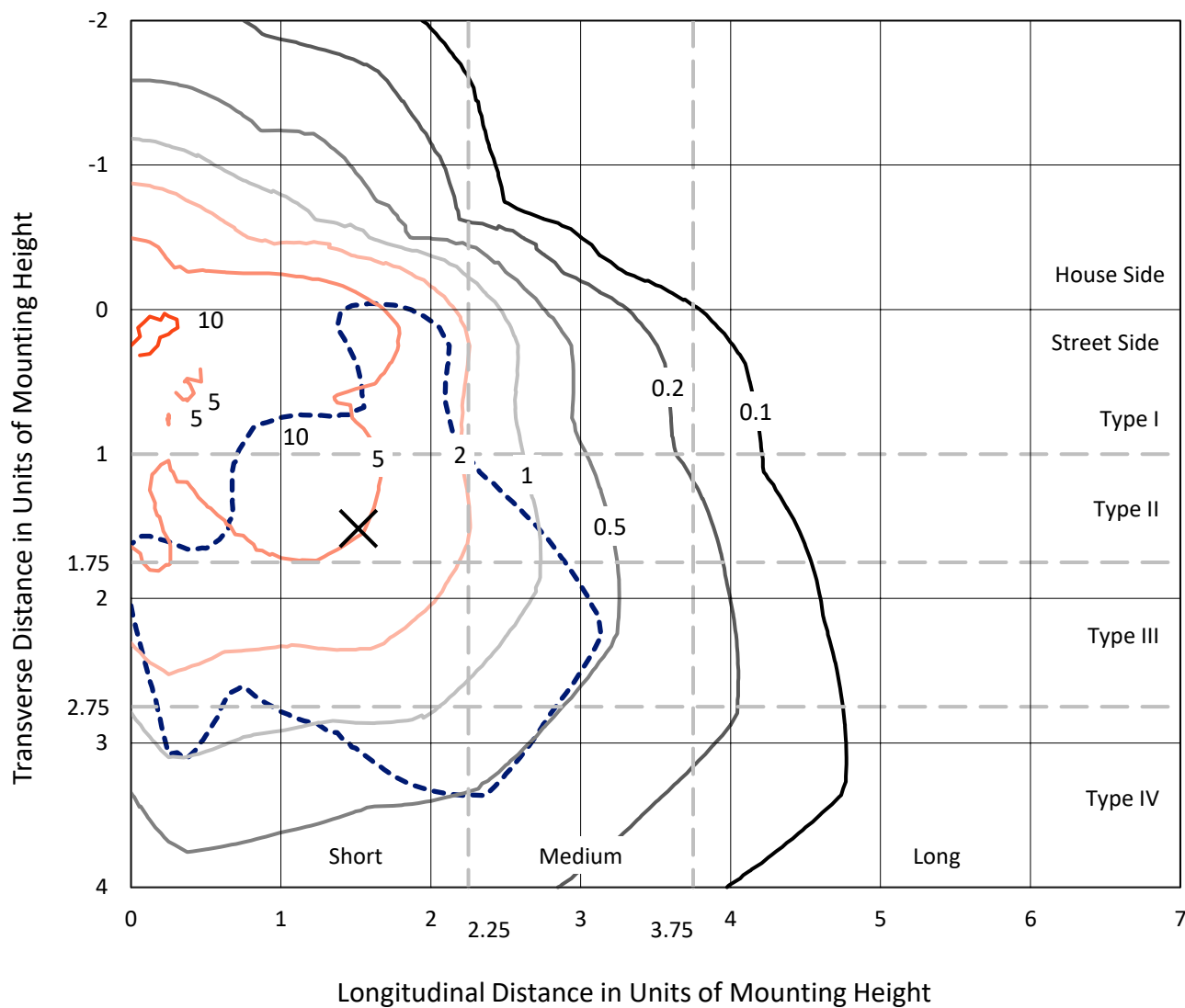
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## Iso-Footcandle Lines of Horizontal Illumination

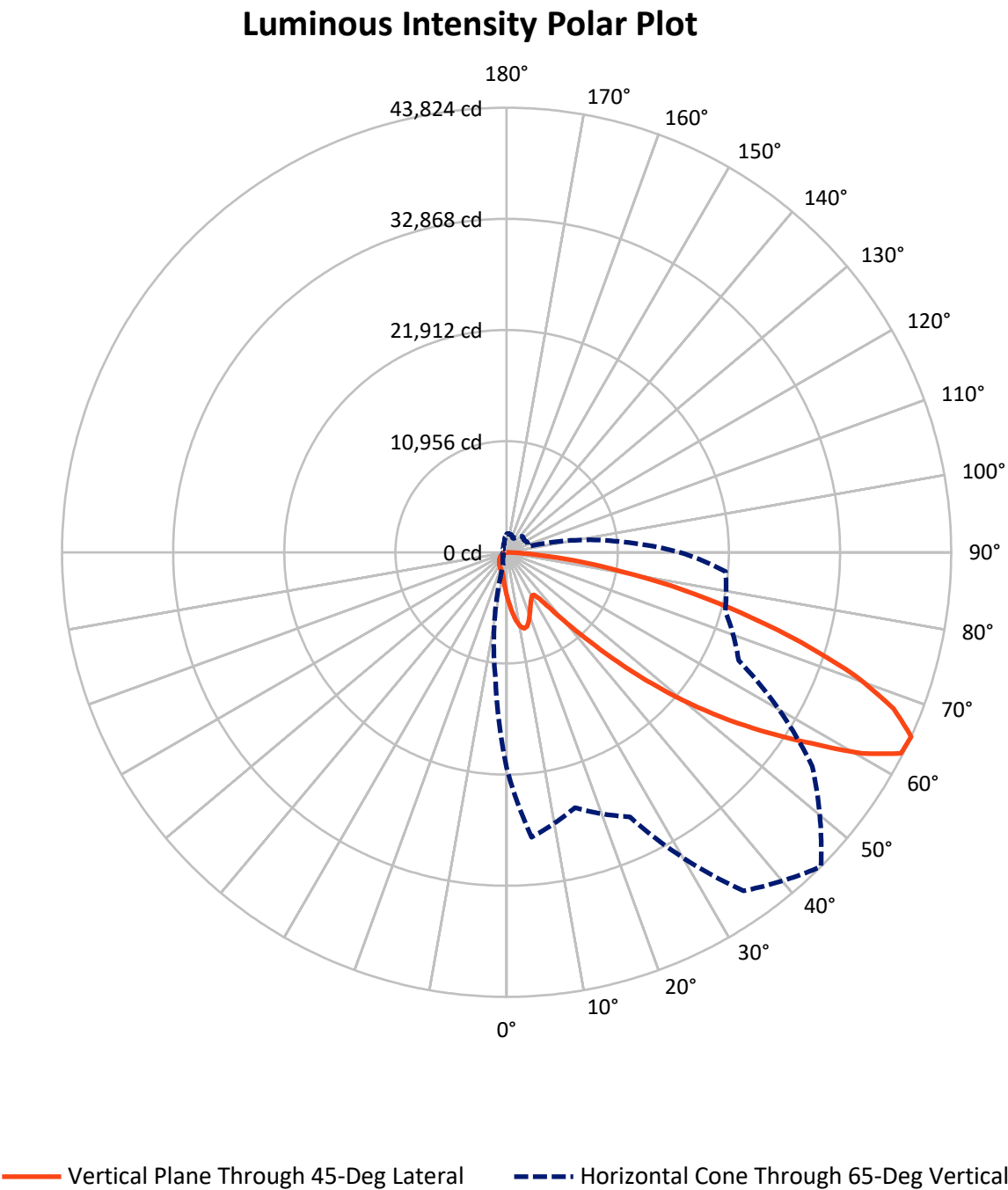
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6198.0   | 0.0    | 6198.0  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 24984.0  | 0.0    | 24984.0 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 31182.0  | 0.0    | 31182.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 425.1   | 1.4       |
| 10°-20°   | 1274.3  | 4.1       |
| 20°-30°   | 1877.3  | 6.0       |
| 30°-40°   | 2411.8  | 7.7       |
| 40°-50°   | 3900.6  | 12.5      |
| 50°-60°   | 6840.2  | 21.9      |
| 60°-70°   | 8558.9  | 27.4      |
| 70°-80°   | 5001.4  | 16.0      |
| 80°-90°   | 892.3   | 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°    | 31182.0 | 100.0     |
| 0°-180°   | 31182.0 | 100.0     |

**Coefficient of Utilization**



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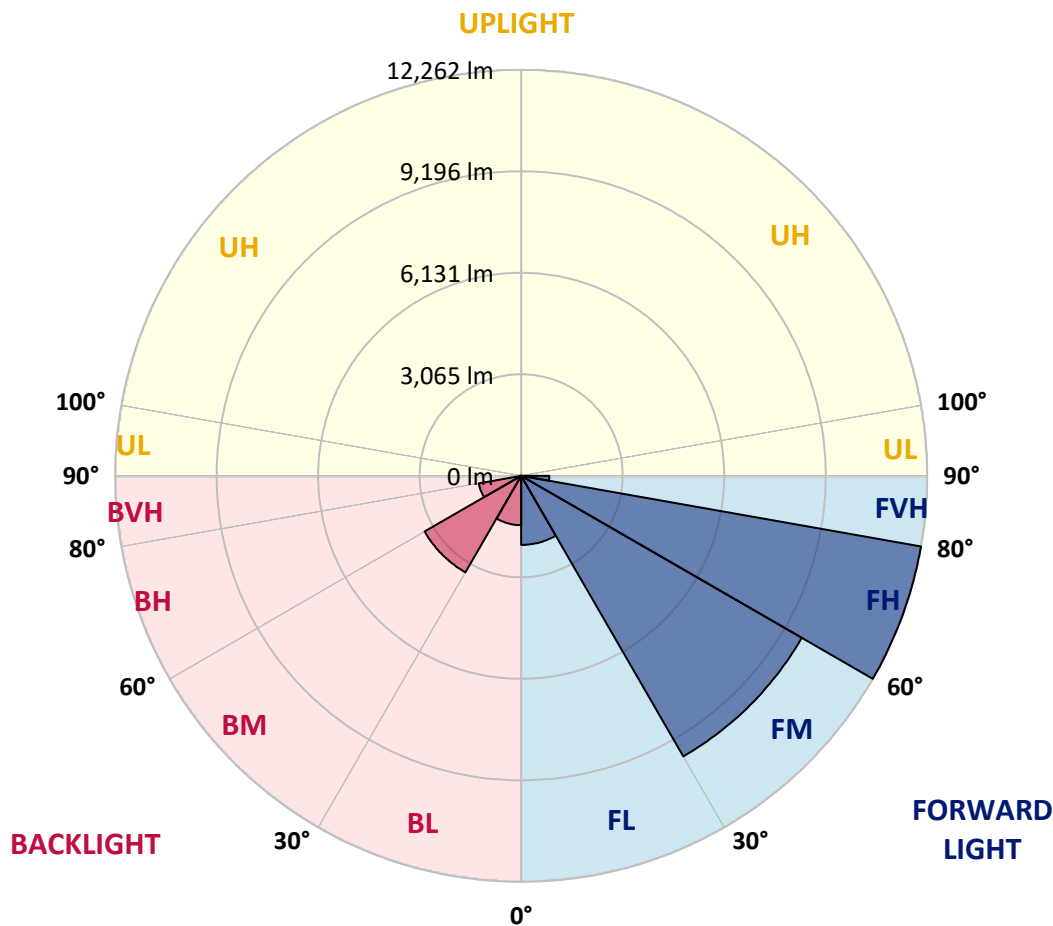
CATALOG NUMBER: GALN-SB9A-730-U-SLL-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2086.4  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 9785.3  | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 12261.7 | 39.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 850.5   | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 1490.3  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3367.3  | 10.8      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1298.6  | 4.2       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 41.8    | 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°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  | 4317.7  |
| 2.5°  | 4837.6  | 4874.1  | 4955.7  | 4998.7  | 5065.3  | 5069.5  | 5069.5  | 5011.6  | 5009.4  | 4891.3  | 4878.4  |
| 5°    | 5406.8  | 5492.7  | 5686.1  | 5885.8  | 5928.8  | 5939.5  | 5918.1  | 5802.1  | 5716.1  | 5486.3  | 5436.9  |
| 7.5°  | 5971.8  | 6137.2  | 6431.5  | 6697.8  | 6783.7  | 6783.7  | 6732.2  | 6543.2  | 6367.0  | 6034.1  | 5909.5  |
| 10°   | 6440.0  | 6648.4  | 7048.0  | 7346.6  | 7445.4  | 7423.9  | 7318.6  | 7080.2  | 6837.4  | 6433.6  | 6270.3  |
| 12.5° | 6749.4  | 6983.5  | 7421.7  | 7662.3  | 7763.3  | 7707.4  | 7587.1  | 7355.1  | 7099.5  | 6674.2  | 6489.5  |
| 15°   | 6904.0  | 7148.9  | 7529.1  | 7655.9  | 7628.0  | 7570.0  | 7554.9  | 7443.2  | 7249.9  | 6852.5  | 6650.6  |
| 17.5° | 6970.6  | 7198.3  | 7462.5  | 7383.1  | 7146.8  | 7101.7  | 7252.0  | 7393.8  | 7346.6  | 7007.1  | 6818.1  |
| 20°   | 7032.9  | 7224.1  | 7303.6  | 6951.3  | 6538.9  | 6498.0  | 6785.9  | 7189.7  | 7396.0  | 7151.1  | 6977.1  |
| 22.5° | 7118.8  | 7237.0  | 7073.7  | 6495.9  | 6051.2  | 5956.7  | 6274.6  | 6882.6  | 7411.0  | 7333.7  | 7159.7  |
| 25°   | 7237.0  | 7269.2  | 6820.3  | 6064.1  | 5617.3  | 5522.8  | 5819.2  | 6541.0  | 7385.2  | 7531.3  | 7383.1  |
| 27.5° | 7378.8  | 7312.2  | 6577.5  | 5703.2  | 5271.5  | 5183.4  | 5479.8  | 6212.3  | 7312.2  | 7728.9  | 7623.7  |
| 30°   | 7563.5  | 7368.0  | 6336.9  | 5424.0  | 5024.4  | 4960.0  | 5245.7  | 5928.8  | 7222.0  | 7980.2  | 7922.2  |
| 32.5° | 7750.4  | 7391.7  | 6113.5  | 5260.7  | 4968.6  | 4992.2  | 5226.4  | 5776.3  | 7123.1  | 8220.8  | 8248.8  |
| 35°   | 7952.3  | 7466.8  | 6004.0  | 5421.8  | 5434.7  | 5640.9  | 5737.6  | 5918.1  | 7108.1  | 8547.3  | 8656.9  |
| 37.5° | 8227.3  | 7634.4  | 6135.0  | 6223.1  | 6669.9  | 7097.4  | 7017.9  | 6611.9  | 7282.1  | 9035.0  | 9239.0  |
| 40°   | 8622.5  | 7928.7  | 6706.4  | 7587.1  | 8504.4  | 9198.2  | 8895.3  | 7872.8  | 7814.8  | 9737.4  | 10042.4 |
| 42.5° | 9198.2  | 8397.0  | 7720.3  | 9254.1  | 10809.3 | 11952.1 | 11140.1 | 9499.0  | 8747.1  | 10740.6 | 11129.4 |
| 45°   | 10048.9 | 9155.3  | 8946.9  | 11013.4 | 13651.3 | 15451.4 | 13763.0 | 11232.5 | 10053.2 | 12259.3 | 12564.3 |
| 47.5° | 11228.2 | 10270.1 | 10096.1 | 12867.2 | 17105.4 | 19434.0 | 16671.5 | 12839.3 | 11539.7 | 14330.1 | 14401.0 |
| 50°   | 12794.2 | 11771.7 | 11185.2 | 14895.0 | 20892.6 | 23493.9 | 19577.9 | 14390.2 | 13243.1 | 16860.5 | 16778.9 |
| 52.5° | 14860.7 | 13866.1 | 12454.8 | 16826.2 | 24787.1 | 27467.9 | 22497.2 | 15752.1 | 15356.9 | 19797.0 | 19629.5 |
| 55°   | 17679.0 | 17017.4 | 14190.4 | 18669.3 | 28679.5 | 31465.6 | 25302.6 | 17036.7 | 18149.4 | 23285.6 | 22271.6 |
| 57.5° | 21176.1 | 21648.7 | 16693.0 | 20806.6 | 32178.7 | 35585.7 | 28121.0 | 18832.5 | 21775.4 | 27186.5 | 23805.4 |
| 60°   | 23431.6 | 27807.3 | 21485.4 | 23966.5 | 36154.9 | 40244.9 | 31983.3 | 22248.0 | 25586.2 | 28585.0 | 23513.3 |
| 62.5° | 22886.0 | 29766.4 | 27225.2 | 28000.7 | 39811.0 | 43632.5 | 35768.2 | 25678.6 | 26303.7 | 26524.9 | 21262.0 |
| 65°   | 21212.6 | 28185.4 | 26054.5 | 28784.7 | 40736.8 | 43823.7 | 36780.0 | 25236.0 | 22312.5 | 21655.1 | 17090.4 |
| 67.5° | 18909.8 | 26310.1 | 23272.7 | 26705.4 | 39063.5 | 41151.4 | 34896.1 | 22323.2 | 17242.9 | 16250.5 | 12398.9 |
| 70°   | 16424.5 | 24235.0 | 21446.8 | 24372.5 | 35873.5 | 36494.3 | 31693.3 | 19633.8 | 12682.5 | 10974.7 | 7956.6  |
| 72.5° | 14065.9 | 22074.0 | 20196.6 | 21981.7 | 31618.1 | 30333.5 | 27523.8 | 17255.8 | 9234.7  | 7915.8  | 5656.0  |
| 75°   | 11653.5 | 18886.2 | 18415.8 | 19141.8 | 26022.3 | 23893.5 | 22868.8 | 14287.1 | 7247.7  | 5726.9  | 3903.1  |
| 77.5° | 8992.0  | 14757.5 | 15840.2 | 15328.9 | 18317.0 | 17747.7 | 17726.2 | 10736.3 | 5295.1  | 3821.5  | 2446.7  |
| 80°   | 6154.3  | 10285.2 | 12375.3 | 10813.6 | 11887.7 | 11597.7 | 13350.5 | 7202.6  | 3840.8  | 2300.6  | 1361.9  |
| 82.5° | 3617.4  | 6261.8  | 8613.9  | 5235.0  | 6573.2  | 6747.2  | 7950.2  | 3503.6  | 2259.8  | 530.6   | 296.4   |
| 85°   | 1467.2  | 2472.5  | 3368.2  | 2049.3  | 3170.6  | 2674.4  | 3018.1  | 983.8   | 629.4   | 12.9    | 0.0     |
| 87.5° | 369.5   | 790.5   | 554.2   | 229.8   | 367.3   | 337.3   | 266.4   | 120.3   | 25.8    | 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     |

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**CANDELA DISTRIBUTION (continued):**

|       | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4317.7  | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 |
| 2.5°  | 4794.6  | 4745.2 | 4622.7 | 4500.3 | 4401.5 | 4268.3 | 4180.2 | 4075.0 | 3974.0 | 3883.8 | 3866.6 |
| 5°    | 5301.5  | 5138.3 | 4914.9 | 4710.8 | 4502.4 | 4300.5 | 4100.7 | 3890.2 | 3696.9 | 3578.8 | 3503.6 |
| 7.5°  | 5714.0  | 5426.1 | 5129.7 | 4869.8 | 4618.4 | 4382.2 | 4117.9 | 3862.3 | 3559.4 | 3398.3 | 3252.2 |
| 10°   | 6021.2  | 5643.1 | 5254.3 | 4955.7 | 4702.2 | 4472.4 | 4249.0 | 3991.2 | 3626.0 | 3424.1 | 3205.0 |
| 12.5° | 6223.1  | 5774.1 | 5318.7 | 4977.2 | 4693.6 | 4515.3 | 4416.5 | 4315.6 | 3952.5 | 3716.2 | 3398.3 |
| 15°   | 6362.7  | 5866.5 | 5363.8 | 4927.8 | 4579.8 | 4448.7 | 4547.6 | 4663.6 | 4431.6 | 4158.7 | 3744.2 |
| 17.5° | 6515.2  | 5986.8 | 5383.2 | 4794.6 | 4358.5 | 4302.7 | 4558.3 | 4826.8 | 4816.1 | 4545.4 | 4139.4 |
| 20°   | 6676.3  | 6092.1 | 5370.3 | 4579.8 | 4090.0 | 4139.4 | 4465.9 | 4777.4 | 4908.4 | 4762.4 | 4401.5 |
| 22.5° | 6841.7  | 6193.0 | 5320.9 | 4300.5 | 3838.7 | 3993.3 | 4319.9 | 4592.7 | 4747.3 | 4702.2 | 4427.3 |
| 25°   | 7050.1  | 6334.8 | 5247.8 | 3999.8 | 3630.3 | 3845.1 | 4150.2 | 4371.4 | 4478.8 | 4476.7 | 4287.6 |
| 27.5° | 7299.3  | 6523.8 | 5209.2 | 3757.1 | 3482.1 | 3677.6 | 3948.2 | 4145.9 | 4221.0 | 4221.0 | 4070.7 |
| 30°   | 7589.3  | 6747.2 | 5166.2 | 3598.1 | 3396.2 | 3503.6 | 3714.1 | 3907.4 | 3982.6 | 3982.6 | 3855.9 |
| 32.5° | 7911.5  | 6962.0 | 5063.1 | 3501.4 | 3331.7 | 3333.9 | 3467.1 | 3643.2 | 3733.4 | 3746.3 | 3656.1 |
| 35°   | 8298.2  | 7191.9 | 4837.6 | 3424.1 | 3256.5 | 3168.5 | 3232.9 | 3379.0 | 3486.4 | 3514.3 | 3458.5 |
| 37.5° | 8805.1  | 7473.3 | 4515.3 | 3310.2 | 3140.5 | 2994.5 | 3009.5 | 3121.2 | 3239.4 | 3282.3 | 3245.8 |
| 40°   | 9486.1  | 7804.1 | 4180.2 | 3147.0 | 2977.3 | 2803.3 | 2796.8 | 2878.5 | 2994.5 | 3041.7 | 3022.4 |
| 42.5° | 10386.1 | 8201.5 | 3860.2 | 2990.2 | 2779.7 | 2601.4 | 2590.6 | 2655.1 | 2756.0 | 2805.4 | 2796.8 |
| 45°   | 11537.5 | 8689.1 | 3585.2 | 2867.7 | 2586.3 | 2410.2 | 2405.9 | 2459.6 | 2547.7 | 2599.2 | 2588.5 |
| 47.5° | 13137.9 | 9176.7 | 3398.3 | 2803.3 | 2433.8 | 2253.4 | 2262.0 | 2309.2 | 2388.7 | 2425.2 | 2410.2 |
| 50°   | 15223.7 | 9325.0 | 3303.8 | 2803.3 | 2352.2 | 2113.7 | 2156.7 | 2195.4 | 2255.5 | 2277.0 | 2257.7 |
| 52.5° | 17225.7 | 8835.2 | 3217.9 | 2820.5 | 2362.9 | 1995.6 | 2088.0 | 2115.9 | 2167.4 | 2176.0 | 2148.1 |
| 55°   | 18207.4 | 7595.7 | 3099.7 | 2824.8 | 2429.5 | 1894.6 | 2032.1 | 2083.7 | 2103.0 | 2100.9 | 2053.6 |
| 57.5° | 17870.2 | 6141.5 | 2900.0 | 2807.6 | 2474.6 | 1830.2 | 1963.4 | 2062.2 | 2075.1 | 2055.7 | 1967.7 |
| 60°   | 16686.5 | 4521.8 | 2747.4 | 2680.8 | 2457.4 | 1810.9 | 1858.1 | 2014.9 | 2034.3 | 2008.5 | 1864.6 |
| 62.5° | 14701.7 | 3138.4 | 2629.3 | 2401.6 | 2382.3 | 1804.4 | 1692.7 | 1911.8 | 1959.1 | 1922.6 | 1712.0 |
| 65°   | 11574.0 | 2216.9 | 2264.1 | 2105.2 | 2219.0 | 1770.0 | 1520.9 | 1787.2 | 1851.7 | 1795.8 | 1499.4 |
| 67.5° | 7832.0  | 1600.3 | 1834.5 | 1907.5 | 1954.8 | 1692.7 | 1396.3 | 1645.5 | 1731.4 | 1658.3 | 1252.4 |
| 70°   | 4229.6  | 1123.5 | 1211.5 | 1606.8 | 1660.5 | 1559.5 | 1284.6 | 1501.5 | 1600.3 | 1520.9 | 1020.4 |
| 72.5° | 2498.3  | 807.7  | 848.5  | 1291.0 | 1383.4 | 1372.6 | 1160.0 | 1334.0 | 1454.3 | 1359.8 | 829.2  |
| 75°   | 1376.9  | 545.6  | 605.8  | 936.6  | 1123.5 | 1059.0 | 996.7  | 1129.9 | 1252.4 | 1160.0 | 640.1  |
| 77.5° | 616.5   | 326.5  | 421.0  | 614.4  | 882.9  | 726.1  | 771.2  | 880.7  | 994.6  | 897.9  | 427.5  |
| 80°   | 238.4   | 182.6  | 279.3  | 335.1  | 642.3  | 401.7  | 496.2  | 648.7  | 730.4  | 653.0  | 259.9  |
| 82.5° | 30.1    | 81.6   | 120.3  | 131.0  | 373.8  | 212.7  | 287.8  | 408.1  | 401.7  | 348.0  | 131.0  |
| 85°   | 0.0     | 15.0   | 17.2   | 8.6    | 161.1  | 77.3   | 94.5   | 133.2  | 124.6  | 94.5   | 10.7   |
| 87.5° | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.3    | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   | 285°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 |
| 2.5°  | 3761.3 | 3684.0 | 3645.3 | 3613.1 | 3643.2 | 3660.4 | 3660.4 | 3733.4 | 3776.4 | 3793.6 | 3913.9 |
| 5°    | 3314.5 | 3170.6 | 3074.0 | 3016.0 | 3035.3 | 3056.8 | 3080.4 | 3172.8 | 3235.1 | 3275.9 | 3462.8 |
| 7.5°  | 2962.2 | 2743.1 | 2607.8 | 2536.9 | 2547.7 | 2562.7 | 2582.0 | 2672.3 | 2734.5 | 2788.3 | 2996.6 |
| 10°   | 2788.3 | 2478.9 | 2300.6 | 2214.7 | 2199.7 | 2191.1 | 2184.6 | 2238.3 | 2285.6 | 2328.6 | 2534.8 |
| 12.5° | 2796.8 | 2365.1 | 2148.1 | 2042.9 | 1997.7 | 1946.2 | 1905.4 | 1914.0 | 1944.0 | 1997.7 | 2128.8 |
| 15°   | 2906.4 | 2328.6 | 2068.6 | 1937.6 | 1862.4 | 1802.3 | 1752.9 | 1742.1 | 1752.9 | 1761.5 | 1843.1 |
| 17.5° | 3054.6 | 2324.3 | 1999.9 | 1836.6 | 1759.3 | 1709.9 | 1664.8 | 1649.8 | 1651.9 | 1662.6 | 1684.1 |
| 20°   | 3172.8 | 2311.4 | 1922.6 | 1740.0 | 1671.2 | 1628.3 | 1583.2 | 1568.1 | 1572.4 | 1574.6 | 1598.2 |
| 22.5° | 3235.1 | 2292.0 | 1836.6 | 1643.3 | 1585.3 | 1542.3 | 1501.5 | 1499.4 | 1499.4 | 1512.3 | 1529.5 |
| 25°   | 3235.1 | 2251.2 | 1759.3 | 1550.9 | 1499.4 | 1460.7 | 1411.3 | 1419.9 | 1424.2 | 1441.4 | 1467.2 |
| 27.5° | 3157.7 | 2173.9 | 1697.0 | 1471.5 | 1417.8 | 1379.1 | 1334.0 | 1344.7 | 1351.2 | 1370.5 | 1402.7 |
| 30°   | 3058.9 | 2081.5 | 1626.1 | 1396.3 | 1334.0 | 1306.1 | 1267.4 | 1271.7 | 1280.3 | 1301.8 | 1338.3 |
| 32.5° | 2953.7 | 1972.0 | 1568.1 | 1321.1 | 1258.8 | 1237.3 | 1194.4 | 1200.8 | 1209.4 | 1233.0 | 1273.8 |
| 35°   | 2837.7 | 1843.1 | 1499.4 | 1252.4 | 1190.1 | 1172.9 | 1123.5 | 1127.8 | 1140.6 | 1166.4 | 1207.2 |
| 37.5° | 2715.2 | 1737.8 | 1430.6 | 1185.8 | 1121.3 | 1104.1 | 1052.6 | 1056.9 | 1071.9 | 1102.0 | 1140.6 |
| 40°   | 2594.9 | 1634.7 | 1357.6 | 1114.9 | 1050.4 | 1035.4 | 979.5  | 983.8  | 1001.0 | 1033.2 | 1074.1 |
| 42.5° | 2463.9 | 1555.2 | 1263.1 | 1041.8 | 973.1  | 958.1  | 906.5  | 912.9  | 932.3  | 964.5  | 1005.3 |
| 45°   | 2307.1 | 1503.7 | 1157.8 | 973.1  | 895.8  | 880.7  | 833.5  | 846.4  | 867.8  | 900.1  | 943.0  |
| 47.5° | 2146.0 | 1482.2 | 1069.8 | 900.1  | 816.3  | 803.4  | 764.7  | 786.2  | 809.8  | 835.6  | 882.9  |
| 50°   | 1991.3 | 1454.3 | 979.5  | 831.3  | 747.5  | 734.7  | 708.9  | 736.8  | 760.4  | 784.1  | 829.2  |
| 52.5° | 1815.2 | 1394.1 | 897.9  | 771.2  | 689.5  | 685.2  | 672.4  | 698.1  | 719.6  | 741.1  | 779.8  |
| 55°   | 1632.6 | 1297.5 | 827.0  | 717.5  | 640.1  | 644.4  | 638.0  | 659.5  | 676.7  | 696.0  | 730.4  |
| 57.5° | 1473.6 | 1175.0 | 771.2  | 659.5  | 597.2  | 610.1  | 601.5  | 612.2  | 623.0  | 646.6  | 674.5  |
| 60°   | 1312.5 | 1028.9 | 708.9  | 590.7  | 554.2  | 569.3  | 545.6  | 543.5  | 547.8  | 554.2  | 605.8  |
| 62.5° | 1095.5 | 876.4  | 631.5  | 530.6  | 507.0  | 513.4  | 468.3  | 433.9  | 433.9  | 440.4  | 517.7  |
| 65°   | 880.7  | 734.7  | 545.6  | 461.8  | 442.5  | 438.2  | 373.8  | 326.5  | 322.2  | 341.6  | 408.1  |
| 67.5° | 723.9  | 610.1  | 459.7  | 384.5  | 371.6  | 375.9  | 328.7  | 281.4  | 277.1  | 298.6  | 348.0  |
| 70°   | 599.3  | 491.9  | 367.3  | 296.4  | 309.3  | 328.7  | 281.4  | 236.3  | 229.8  | 249.2  | 296.4  |
| 72.5° | 476.9  | 384.5  | 281.4  | 219.1  | 255.6  | 279.3  | 229.8  | 186.9  | 182.6  | 199.8  | 244.9  |
| 75°   | 350.1  | 275.0  | 191.2  | 159.0  | 197.6  | 219.1  | 167.6  | 133.2  | 126.7  | 141.8  | 186.9  |
| 77.5° | 217.0  | 154.7  | 120.3  | 94.5   | 135.3  | 146.1  | 88.1   | 77.3   | 75.2   | 85.9   | 118.1  |
| 80°   | 101.0  | 66.6   | 58.0   | 32.2   | 49.4   | 58.0   | 36.5   | 40.8   | 43.0   | 51.6   | 73.0   |
| 82.5° | 27.9   | 10.7   | 2.1    | 0.0    | 0.0    | 17.2   | 8.6    | 17.2   | 21.5   | 32.2   | 47.3   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.3    | 10.7   | 19.3   | 34.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 8.6    | 17.2   |
| 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):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7 | 4317.7  | 4317.7  |
| 2.5°  | 4004.1 | 4090.0 | 4227.5 | 4369.3 | 4508.9 | 4650.7 | 4788.1  | 4837.6  |
| 5°    | 3632.5 | 3830.1 | 4102.9 | 4395.0 | 4695.8 | 5000.8 | 5280.1  | 5406.8  |
| 7.5°  | 3217.9 | 3501.4 | 3911.7 | 4369.3 | 4848.3 | 5327.3 | 5767.7  | 5971.8  |
| 10°   | 2775.4 | 3134.1 | 3602.4 | 4221.0 | 4908.4 | 5570.1 | 6175.8  | 6440.0  |
| 12.5° | 2354.3 | 2730.3 | 3247.9 | 3989.0 | 4861.2 | 5709.7 | 6437.9  | 6749.4  |
| 15°   | 2002.0 | 2335.0 | 2893.5 | 3714.1 | 4708.7 | 5718.3 | 6562.5  | 6904.0  |
| 17.5° | 1737.8 | 1954.8 | 2532.6 | 3409.1 | 4508.9 | 5638.8 | 6605.5  | 6970.6  |
| 20°   | 1606.8 | 1666.9 | 2064.3 | 3018.1 | 4322.0 | 5563.6 | 6648.4  | 7032.9  |
| 22.5° | 1529.5 | 1544.5 | 1688.4 | 2513.3 | 4098.6 | 5540.0 | 6723.6  | 7118.8  |
| 25°   | 1467.2 | 1471.5 | 1510.1 | 1991.3 | 3757.1 | 5524.9 | 6839.6  | 7237.0  |
| 27.5° | 1404.9 | 1404.9 | 1426.3 | 1604.6 | 3293.1 | 5460.5 | 6990.0  | 7378.8  |
| 30°   | 1342.6 | 1342.6 | 1357.6 | 1419.9 | 2749.6 | 5333.8 | 7170.4  | 7563.5  |
| 32.5° | 1278.1 | 1278.1 | 1291.0 | 1336.1 | 2195.4 | 5174.8 | 7335.8  | 7750.4  |
| 35°   | 1213.7 | 1209.4 | 1226.6 | 1273.8 | 1746.4 | 4972.9 | 7501.2  | 7952.3  |
| 37.5° | 1144.9 | 1142.8 | 1160.0 | 1213.7 | 1508.0 | 4738.7 | 7625.8  | 8227.3  |
| 40°   | 1071.9 | 1071.9 | 1091.2 | 1149.2 | 1439.2 | 4444.4 | 7823.4  | 8622.5  |
| 42.5° | 1005.3 | 1001.0 | 1022.5 | 1093.4 | 1387.7 | 4163.0 | 8177.9  | 9198.2  |
| 45°   | 940.9  | 932.3  | 951.6  | 1039.7 | 1297.5 | 4064.2 | 8839.5  | 10048.9 |
| 47.5° | 880.7  | 859.2  | 876.4  | 975.2  | 1215.8 | 4433.7 | 9922.1  | 11228.2 |
| 50°   | 831.3  | 790.5  | 805.5  | 910.8  | 1153.5 | 5235.0 | 11327.0 | 12794.2 |
| 52.5° | 779.8  | 726.1  | 734.7  | 831.3  | 1097.7 | 5997.5 | 12850.0 | 14860.7 |
| 55°   | 726.1  | 665.9  | 670.2  | 751.8  | 1018.2 | 6111.4 | 14336.5 | 17679.0 |
| 57.5° | 665.9  | 610.1  | 610.1  | 678.8  | 960.2  | 5297.2 | 15479.3 | 21176.1 |
| 60°   | 599.3  | 562.8  | 552.1  | 620.8  | 1011.8 | 3737.7 | 15612.5 | 23431.6 |
| 62.5° | 526.3  | 507.0  | 491.9  | 565.0  | 1050.4 | 2214.7 | 14540.6 | 22886.0 |
| 65°   | 442.5  | 438.2  | 427.5  | 620.8  | 885.0  | 1308.2 | 12482.7 | 21212.6 |
| 67.5° | 371.6  | 365.2  | 365.2  | 650.9  | 672.4  | 822.7  | 9752.4  | 18909.8 |
| 70°   | 320.1  | 296.4  | 296.4  | 491.9  | 408.1  | 569.3  | 6809.5  | 16424.5 |
| 72.5° | 268.5  | 242.7  | 225.6  | 393.1  | 305.0  | 416.7  | 4255.4  | 14065.9 |
| 75°   | 214.8  | 195.5  | 174.0  | 259.9  | 227.7  | 315.8  | 2472.5  | 11653.5 |
| 77.5° | 154.7  | 146.1  | 122.4  | 191.2  | 165.4  | 227.7  | 1471.5  | 8992.0  |
| 80°   | 79.5   | 81.6   | 77.3   | 109.6  | 111.7  | 154.7  | 837.8   | 6154.3  |
| 82.5° | 47.3   | 36.5   | 40.8   | 53.7   | 64.4   | 88.1   | 315.8   | 3617.4  |
| 85°   | 30.1   | 19.3   | 19.3   | 25.8   | 32.2   | 34.4   | 96.7    | 1467.2  |
| 87.5° | 15.0   | 6.4    | 8.6    | 12.9   | 10.7   | 8.6    | 4.3     | 369.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END OF REPORT)