

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: P953761

Luminaire Tested: **GALN-SB7B-722-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-722-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 32881 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 256.7  
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

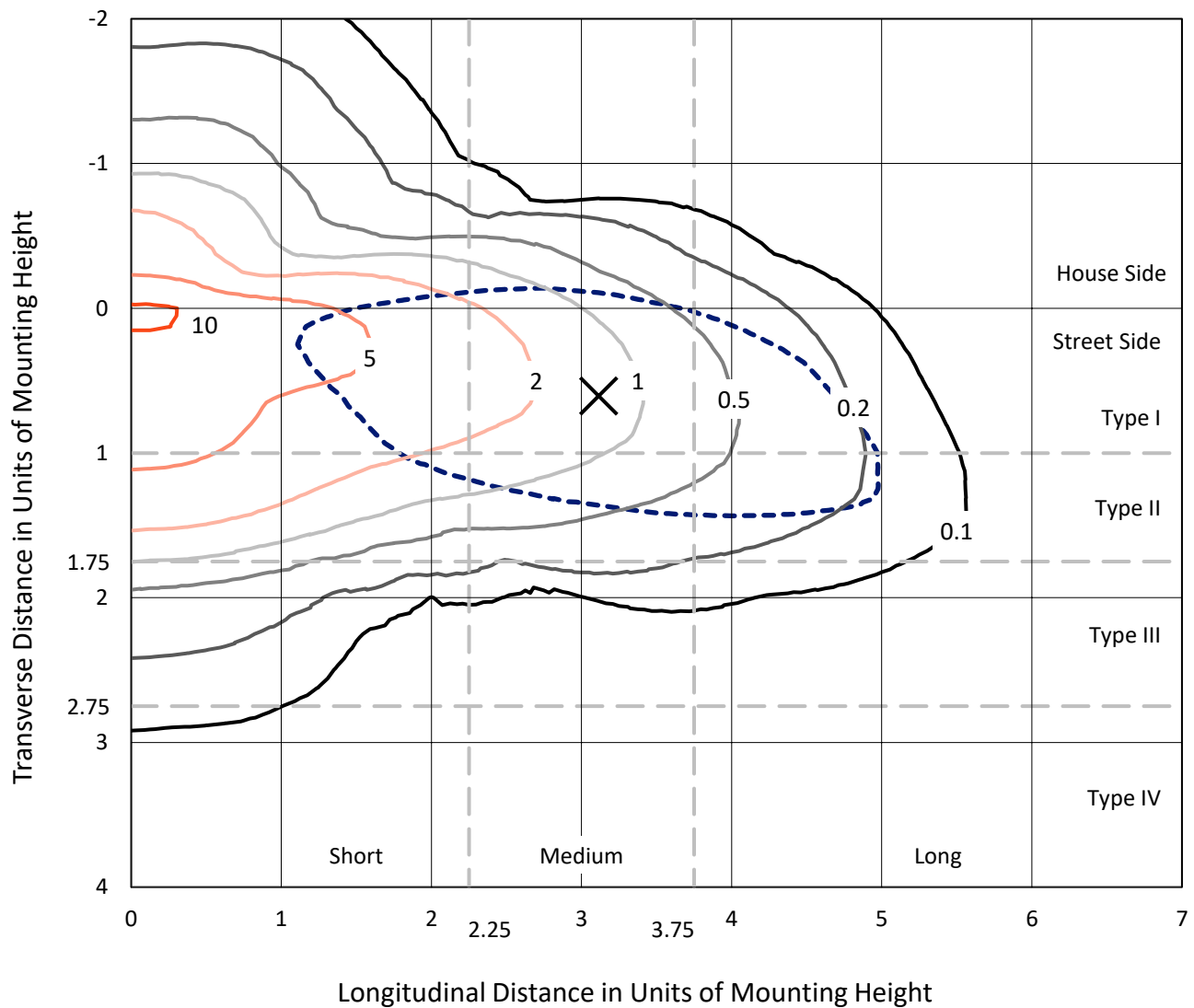


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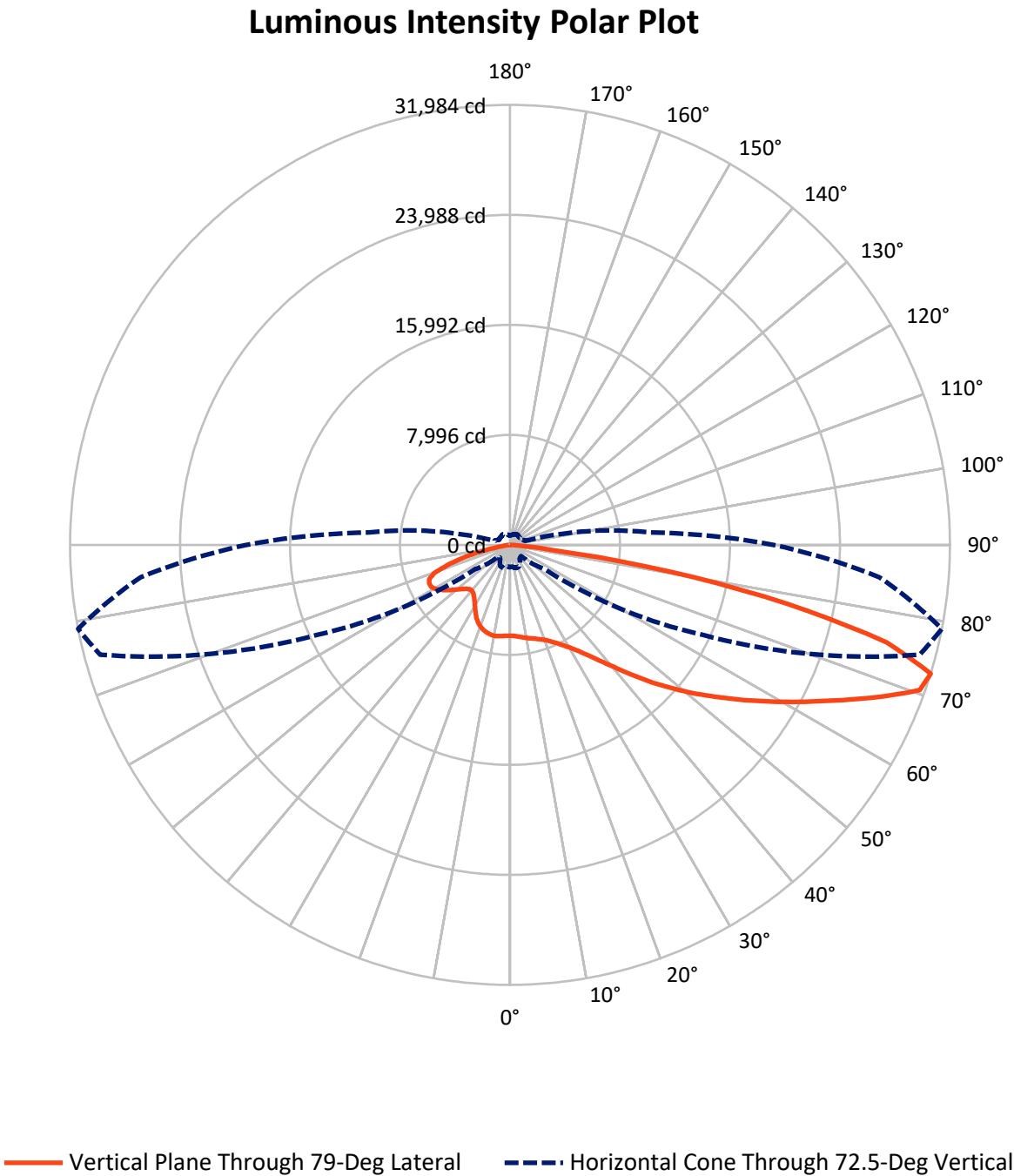
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc  
Type II - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7235.6   | 0.0    | 7235.6  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 25645.4  | 0.0    | 25645.4 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 32881.0  | 0.0    | 32881.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 599.1   | 1.8       |
| 10°-20°   | 1566.5  | 4.8       |
| 20°-30°   | 2527.6  | 7.7       |
| 30°-40°   | 3793.6  | 11.5      |
| 40°-50°   | 5381.4  | 16.4      |
| 50°-60°   | 6796.0  | 20.7      |
| 60°-70°   | 6902.3  | 21.0      |
| 70°-80°   | 4704.2  | 14.3      |
| 80°-90°   | 610.3   | 1.9       |
| 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°    | 32881.0 | 100.0     |
| 0°-180°   | 32881.0 | 100.0     |

**Coefficient of Utilization**



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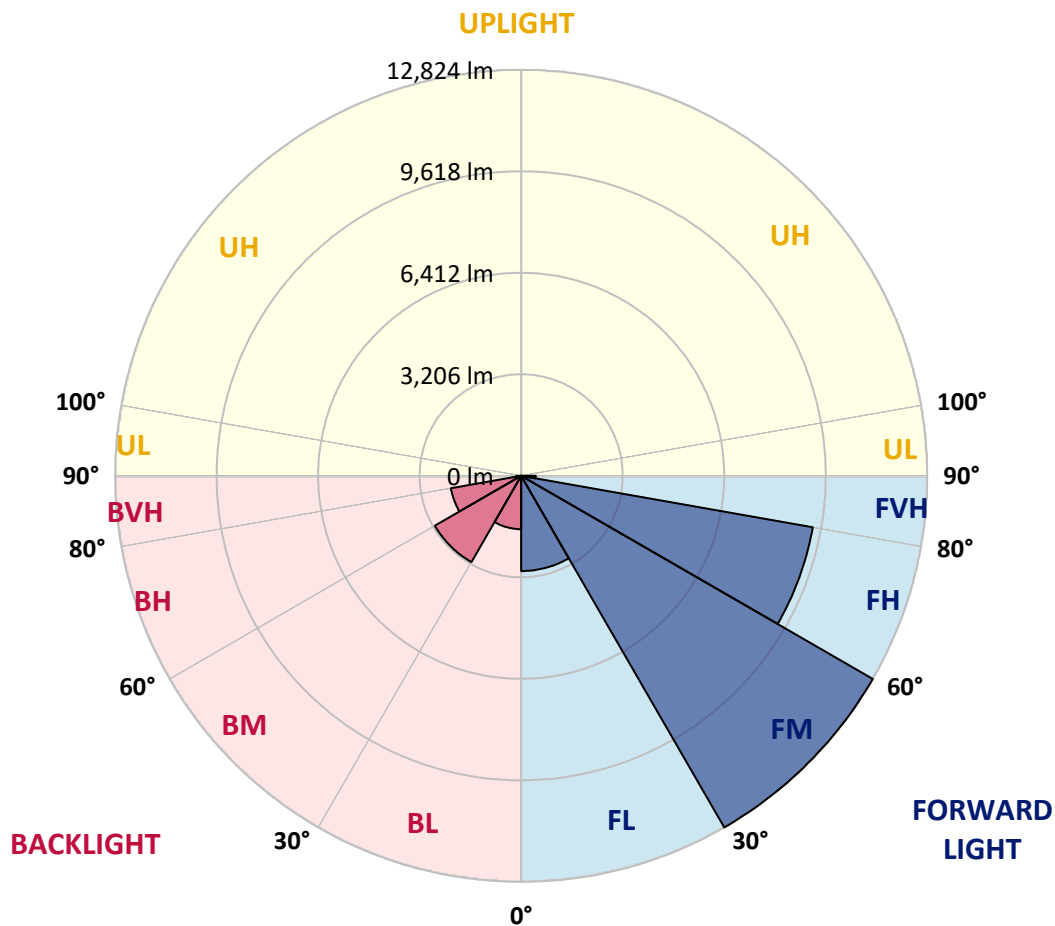
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3007.8  | 9.1       |                         |      |          |
| FM   | (30°-60°)   | 12824.3 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 9353.5  | 28.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 459.8   | 1.4       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1685.4  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3146.7  | 9.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2252.9  | 6.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 150.6   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  | 6600.5  |
| 2.5°  | 6604.0  | 6572.7  | 6591.9  | 6584.9  | 6593.6  | 6604.0  | 6607.5  | 6612.7  | 6630.1  | 6628.4  | 6626.6  |
| 5°    | 6590.1  | 6558.8  | 6584.9  | 6576.2  | 6598.8  | 6623.2  | 6644.0  | 6663.2  | 6691.0  | 6703.2  | 6685.8  |
| 7.5°  | 6560.5  | 6539.7  | 6565.8  | 6591.9  | 6633.6  | 6670.1  | 6699.7  | 6743.2  | 6783.2  | 6790.1  | 6802.3  |
| 10°   | 6388.4  | 6372.7  | 6433.6  | 6501.4  | 6616.2  | 6715.3  | 6779.7  | 6830.1  | 6873.6  | 6880.6  | 6898.0  |
| 12.5° | 6209.2  | 6190.1  | 6257.9  | 6350.1  | 6536.2  | 6715.3  | 6851.0  | 6917.1  | 6955.4  | 6978.0  | 7004.1  |
| 15°   | 6179.6  | 6164.0  | 6202.3  | 6282.3  | 6437.1  | 6668.4  | 6899.7  | 7021.5  | 7054.5  | 7080.6  | 7091.0  |
| 17.5° | 6322.3  | 6292.7  | 6308.3  | 6336.2  | 6426.6  | 6624.9  | 6938.0  | 7139.7  | 7190.2  | 7218.0  | 7218.0  |
| 20°   | 6652.7  | 6611.0  | 6586.6  | 6531.0  | 6515.3  | 6631.9  | 6934.5  | 7282.3  | 7348.4  | 7383.2  | 7391.9  |
| 22.5° | 7092.8  | 7064.9  | 7012.8  | 6871.9  | 6718.8  | 6717.1  | 7000.6  | 7465.0  | 7588.5  | 7621.5  | 7600.6  |
| 25°   | 7625.0  | 7583.2  | 7517.1  | 7325.8  | 7031.9  | 6885.8  | 7111.9  | 7698.0  | 7905.0  | 7913.7  | 7852.8  |
| 27.5° | 8237.2  | 8174.6  | 8084.1  | 7832.0  | 7435.4  | 7150.2  | 7282.3  | 7965.9  | 8268.5  | 8265.0  | 8139.8  |
| 30°   | 8882.5  | 8819.9  | 8724.2  | 8418.1  | 7918.9  | 7506.7  | 7518.9  | 8254.6  | 8699.9  | 8680.7  | 8466.8  |
| 32.5° | 9353.8  | 9306.9  | 9287.7  | 9051.2  | 8475.5  | 7927.6  | 7790.2  | 8574.6  | 9232.1  | 9214.7  | 8915.5  |
| 35°   | 9715.6  | 9654.7  | 9677.3  | 9557.3  | 9082.5  | 8399.0  | 8122.4  | 8955.5  | 9879.1  | 9877.3  | 9505.1  |
| 37.5° | 10073.9 | 10020.0 | 10039.1 | 9959.1  | 9644.3  | 8997.3  | 8527.7  | 9421.7  | 10680.9 | 10719.2 | 10218.2 |
| 40°   | 10400.9 | 10343.5 | 10420.0 | 10345.2 | 10080.8 | 9633.8  | 8988.6  | 9948.7  | 11609.7 | 11682.7 | 11080.9 |
| 42.5° | 10597.4 | 10552.2 | 10679.1 | 10680.9 | 10460.0 | 10171.3 | 9494.7  | 10529.6 | 12684.5 | 12848.0 | 12141.9 |
| 45°   | 10665.2 | 10649.6 | 10840.9 | 10880.9 | 10795.7 | 10482.6 | 9950.4  | 11162.7 | 13842.9 | 14135.1 | 13350.7 |
| 47.5° | 10592.2 | 10562.6 | 10827.0 | 10974.8 | 11042.7 | 10628.7 | 10327.8 | 11847.9 | 15025.6 | 15453.5 | 14669.0 |
| 50°   | 10223.5 | 10166.1 | 10559.1 | 10870.5 | 11112.2 | 10724.4 | 10708.7 | 12639.3 | 16370.1 | 16837.9 | 15994.4 |
| 52.5° | 9560.8  | 9517.3  | 9964.3  | 10505.2 | 10959.2 | 10771.3 | 11136.6 | 13503.7 | 17646.7 | 18252.0 | 17352.7 |
| 55°   | 8713.8  | 8656.4  | 9148.6  | 9854.7  | 10578.3 | 10755.7 | 11564.4 | 14470.8 | 19152.9 | 19766.9 | 18756.3 |
| 57.5° | 7371.0  | 7256.3  | 7878.9  | 8713.8  | 9957.3  | 10736.5 | 12009.7 | 15432.6 | 20683.5 | 21419.2 | 20253.9 |
| 60°   | 5412.6  | 5242.2  | 6005.7  | 6995.4  | 8743.3  | 10550.4 | 12561.0 | 16510.9 | 22520.1 | 23182.8 | 21888.8 |
| 62.5° | 3151.6  | 3052.4  | 3551.6  | 4475.2  | 6590.1  | 9454.7  | 12870.6 | 17765.0 | 24325.5 | 25021.2 | 23495.9 |
| 65°   | 2447.2  | 2419.3  | 2462.8  | 2534.1  | 3668.1  | 7078.8  | 11915.8 | 18987.7 | 26621.3 | 27108.3 | 25170.8 |
| 67.5° | 2238.4  | 2217.6  | 2236.7  | 2102.8  | 1861.0  | 3942.9  | 9426.9  | 19297.3 | 29080.7 | 29376.4 | 26637.0 |
| 70°   | 1989.7  | 1965.4  | 2028.0  | 1913.2  | 1464.5  | 1793.2  | 6090.9  | 18173.7 | 31037.4 | 31592.2 | 27751.9 |
| 72.5° | 1621.0  | 1593.2  | 1739.3  | 1687.1  | 1233.1  | 1151.4  | 3059.4  | 15503.9 | 30832.1 | 31983.5 | 26953.5 |
| 75°   | 1245.3  | 1229.7  | 1403.6  | 1447.1  | 1005.3  | 906.2   | 1467.9  | 11524.4 | 27132.7 | 28292.8 | 23229.8 |
| 77.5° | 967.0   | 954.9   | 1043.6  | 1201.8  | 810.5   | 702.7   | 902.7   | 7310.2  | 20446.9 | 20650.4 | 16008.3 |
| 80°   | 725.3   | 690.5   | 772.2   | 930.5   | 631.4   | 513.1   | 612.2   | 4263.0  | 12924.6 | 11715.8 | 6967.5  |
| 82.5° | 454.0   | 436.6   | 504.4   | 620.9   | 445.3   | 353.1   | 398.3   | 2355.0  | 5179.6  | 3050.7  | 1344.5  |
| 85°   | 259.2   | 252.2   | 274.8   | 354.8   | 241.8   | 203.5   | 227.8   | 1040.1  | 946.2   | 650.5   | 405.3   |
| 87.5° | 104.4   | 100.9   | 125.2   | 158.3   | 88.7    | 74.8    | 80.0    | 250.5   | 208.7   | 193.1   | 133.9   |
| 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°    | 6600.5  | 6600.5  | 6600.5 | 6600.5 | 6600.5 | 6600.5 | 6600.5 | 6600.5 | 6600.5 | 6600.5 | 6600.5 |
| 2.5°  | 6619.7  | 6619.7  | 6595.3 | 6557.1 | 6513.6 | 6485.8 | 6440.5 | 6428.4 | 6381.4 | 6367.5 | 6390.1 |
| 5°    | 6699.7  | 6685.8  | 6611.0 | 6503.1 | 6355.3 | 6219.6 | 6070.1 | 5976.1 | 5844.0 | 5797.0 | 5831.8 |
| 7.5°  | 6800.6  | 6762.3  | 6633.6 | 6397.1 | 6087.5 | 5783.1 | 5466.5 | 5226.5 | 4996.9 | 4915.2 | 4925.6 |
| 10°   | 6892.7  | 6838.8  | 6619.7 | 6205.7 | 5670.0 | 5143.0 | 4638.6 | 4285.6 | 4017.7 | 3908.2 | 3932.5 |
| 12.5° | 6984.9  | 6885.8  | 6527.5 | 5887.4 | 5076.9 | 4362.1 | 3824.7 | 3549.9 | 3384.6 | 3252.4 | 3295.9 |
| 15°   | 7071.9  | 6932.7  | 6384.9 | 5461.3 | 4426.5 | 3701.2 | 3304.6 | 3085.5 | 2953.3 | 2866.3 | 2882.0 |
| 17.5° | 7172.8  | 6972.8  | 6170.9 | 4920.4 | 3807.3 | 3243.7 | 2920.2 | 2788.1 | 2762.0 | 2751.5 | 2758.5 |
| 20°   | 7313.7  | 7009.3  | 5889.2 | 4315.1 | 3351.6 | 2878.5 | 2711.5 | 2699.4 | 2697.6 | 2692.4 | 2709.8 |
| 22.5° | 7465.0  | 7052.8  | 5517.0 | 3765.5 | 2963.7 | 2650.7 | 2621.1 | 2596.7 | 2581.1 | 2579.3 | 2598.5 |
| 25°   | 7644.1  | 7066.7  | 5050.9 | 3315.1 | 2633.3 | 2542.8 | 2508.0 | 2471.5 | 2461.1 | 2461.1 | 2471.5 |
| 27.5° | 7818.0  | 7019.7  | 4508.2 | 2923.7 | 2447.2 | 2443.7 | 2398.5 | 2386.3 | 2384.5 | 2389.8 | 2403.7 |
| 30°   | 7992.0  | 6931.0  | 3969.0 | 2562.0 | 2339.3 | 2339.3 | 2323.7 | 2332.4 | 2339.3 | 2356.7 | 2368.9 |
| 32.5° | 8226.8  | 6837.1  | 3518.6 | 2294.1 | 2245.4 | 2228.0 | 2243.7 | 2261.1 | 2268.0 | 2290.6 | 2309.8 |
| 35°   | 8571.1  | 6771.0  | 3160.3 | 2148.0 | 2148.0 | 2125.4 | 2134.1 | 2130.6 | 2115.0 | 2104.5 | 2128.9 |
| 37.5° | 9026.8  | 6767.5  | 2864.6 | 2080.2 | 2066.3 | 2062.8 | 2064.5 | 2041.9 | 1981.0 | 1908.0 | 1909.7 |
| 40°   | 9574.7  | 6861.4  | 2636.7 | 2033.2 | 2022.8 | 2043.6 | 2033.2 | 1972.3 | 1805.4 | 1678.4 | 1674.9 |
| 42.5° | 10310.4 | 7129.3  | 2490.6 | 1975.8 | 2007.1 | 2033.2 | 1991.5 | 1781.0 | 1668.0 | 1582.7 | 1579.3 |
| 45°   | 11176.6 | 7564.1  | 2415.9 | 1914.9 | 1977.6 | 2008.9 | 1807.1 | 1714.9 | 1624.5 | 1521.9 | 1514.9 |
| 47.5° | 12157.5 | 8112.0  | 2398.5 | 1857.5 | 1911.5 | 1930.6 | 1728.8 | 1687.1 | 1584.5 | 1473.2 | 1464.5 |
| 50°   | 13225.4 | 8760.7  | 2445.4 | 1789.7 | 1815.8 | 1749.7 | 1702.8 | 1664.5 | 1558.4 | 1448.8 | 1436.6 |
| 52.5° | 14329.9 | 9475.6  | 2539.3 | 1697.5 | 1720.1 | 1647.1 | 1692.3 | 1659.3 | 1542.7 | 1394.9 | 1384.5 |
| 55°   | 15415.2 | 10195.6 | 2629.8 | 1589.7 | 1622.7 | 1554.9 | 1662.7 | 1638.4 | 1471.4 | 1304.5 | 1295.8 |
| 57.5° | 16517.9 | 10912.2 | 2718.5 | 1494.0 | 1528.8 | 1466.2 | 1615.8 | 1582.7 | 1391.4 | 1221.0 | 1217.5 |
| 60°   | 17664.1 | 11607.9 | 2760.2 | 1401.9 | 1426.2 | 1384.5 | 1544.5 | 1487.1 | 1301.0 | 1135.7 | 1130.5 |
| 62.5° | 18737.2 | 12187.1 | 2692.4 | 1309.7 | 1325.3 | 1307.9 | 1450.6 | 1374.0 | 1210.5 | 1040.1 | 1038.3 |
| 65°   | 19813.8 | 12531.5 | 2483.7 | 1219.2 | 1222.7 | 1214.0 | 1318.4 | 1252.3 | 1104.4 | 956.6  | 946.2  |
| 67.5° | 20789.6 | 12724.5 | 2151.5 | 1121.8 | 1113.1 | 1109.7 | 1194.9 | 1120.1 | 1001.8 | 873.1  | 862.7  |
| 70°   | 20996.5 | 12234.1 | 1643.6 | 1007.0 | 1007.0 | 998.3  | 1059.2 | 982.7  | 888.8  | 784.4  | 780.9  |
| 72.5° | 19177.2 | 10291.3 | 1167.1 | 876.6  | 890.5  | 873.1  | 923.6  | 859.2  | 774.0  | 704.4  | 683.5  |
| 75°   | 15463.9 | 7546.7  | 848.8  | 742.7  | 767.0  | 737.5  | 784.4  | 739.2  | 666.1  | 664.4  | 598.3  |
| 77.5° | 10625.2 | 4666.5  | 615.7  | 612.2  | 629.6  | 591.4  | 645.3  | 620.9  | 554.8  | 525.3  | 492.2  |
| 80°   | 4534.3  | 1861.0  | 448.7  | 473.1  | 473.1  | 438.3  | 500.9  | 507.9  | 450.5  | 436.6  | 436.6  |
| 82.5° | 902.7   | 528.7   | 314.8  | 325.2  | 306.1  | 295.7  | 354.8  | 393.1  | 542.7  | 603.5  | 605.3  |
| 85°   | 271.3   | 194.8   | 189.6  | 177.4  | 156.5  | 158.3  | 208.7  | 394.8  | 487.0  | 278.3  | 240.0  |
| 87.5° | 74.8    | 48.7    | 50.4   | 40.0   | 33.0   | 43.5   | 71.3   | 299.2  | 163.5  | 69.6   | 59.1   |
| 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)