

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: P952677

Luminaire Tested: **GALN-SB6B-950-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-950-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

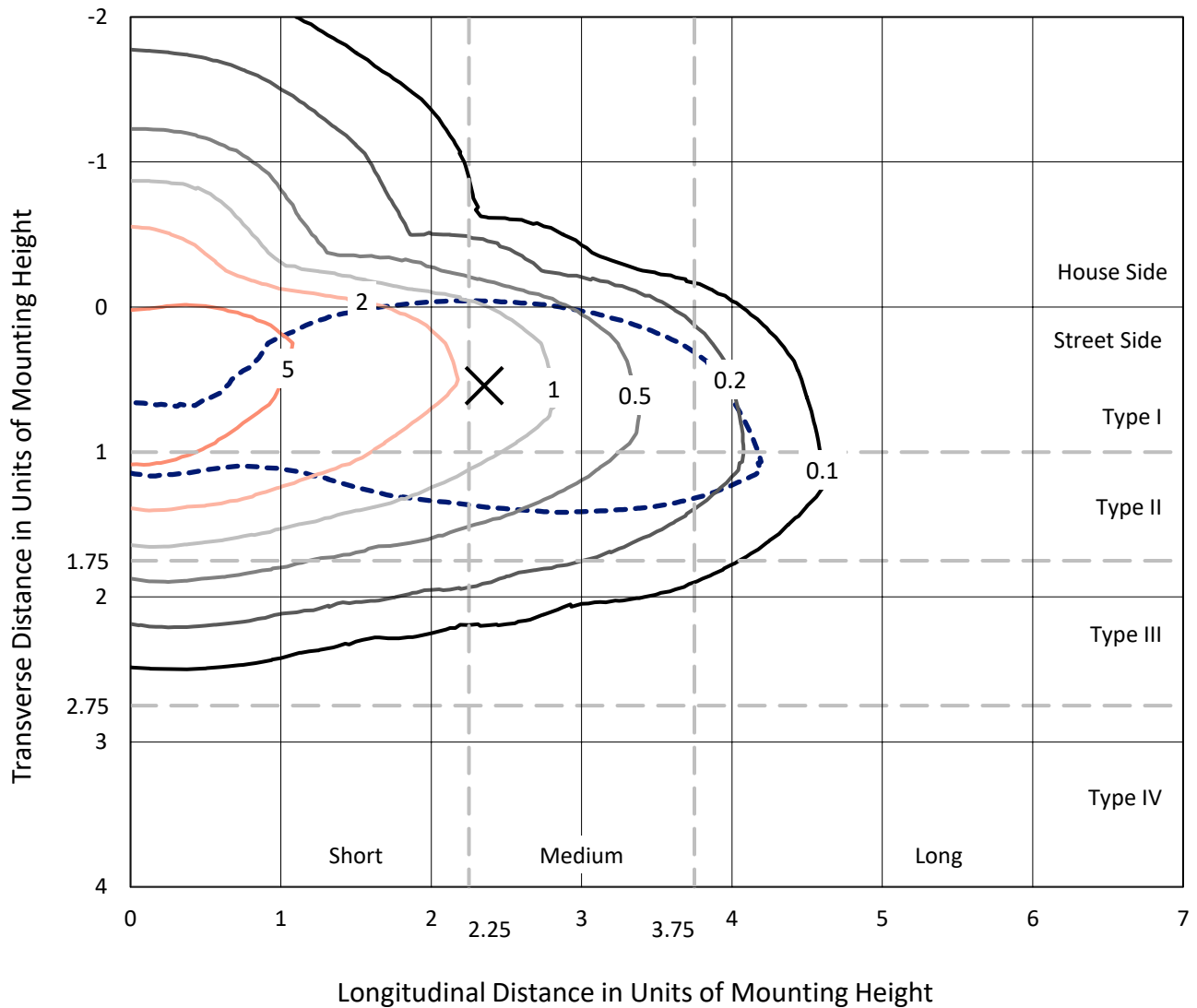
Lumens per Lamp: N/A  
Luminaire Lumens: 24195 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

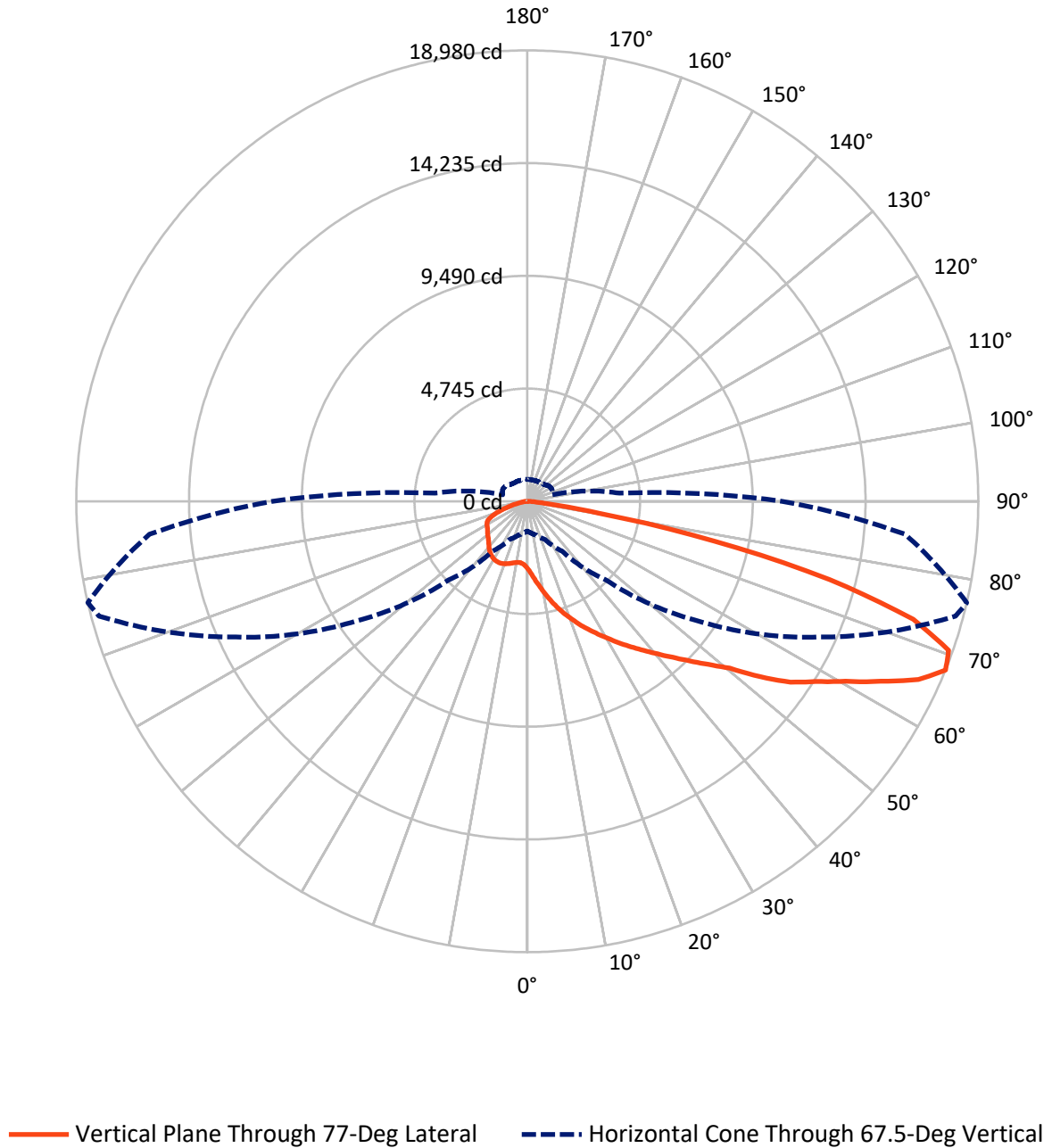
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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    | 4576.7   | 0.0    | 4576.7  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 19618.3  | 0.0    | 19618.3 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 24195.0  | 0.0    | 24195.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 304.3   | 1.3       |
| 10°-20°   | 1093.2  | 4.5       |
| 20°-30°   | 2064.0  | 8.5       |
| 30°-40°   | 3325.1  | 13.7      |
| 40°-50°   | 4548.1  | 18.8      |
| 50°-60°   | 5130.3  | 21.2      |
| 60°-70°   | 4788.5  | 19.8      |
| 70°-80°   | 2624.9  | 10.8      |
| 80°-90°   | 316.6   | 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°    | 24195.0 | 100.0     |
| 0°-180°   | 24195.0 | 100.0     |

**Coefficient of Utilization**



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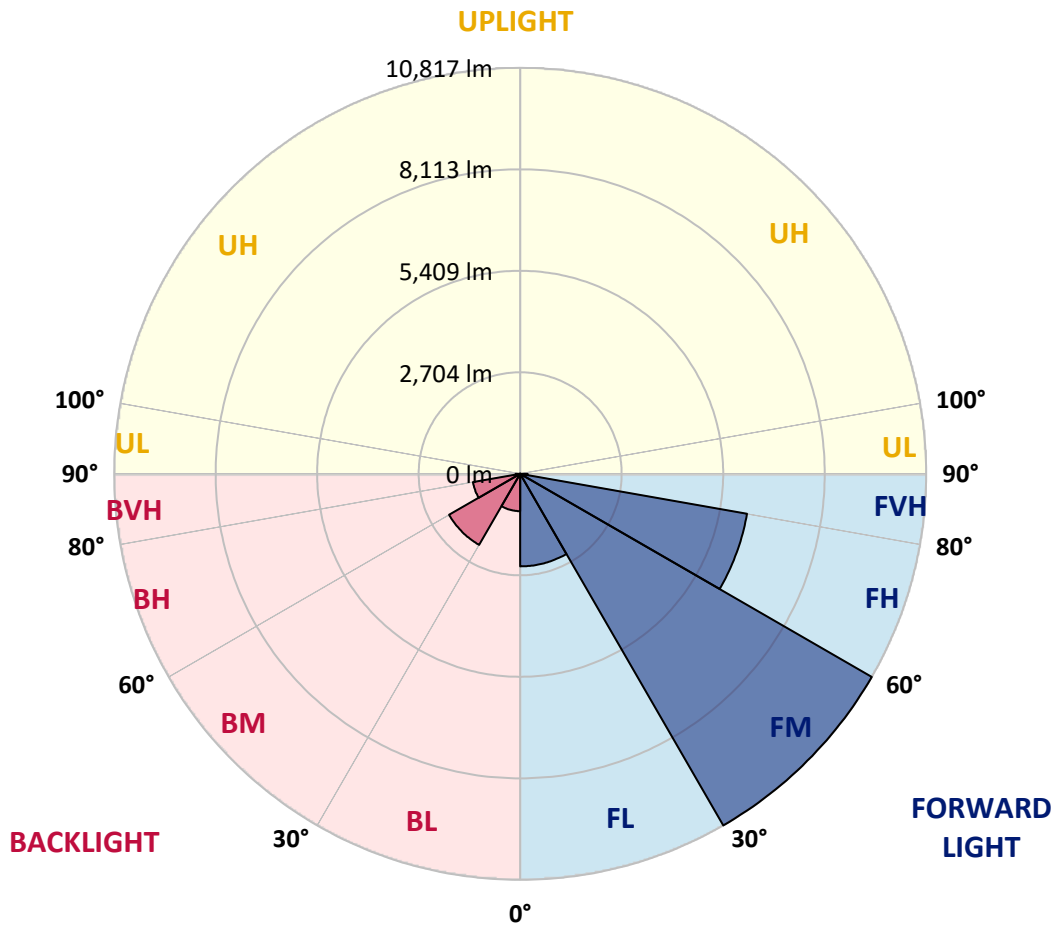
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2466.4  | 10.2      |                         |      |         |
| FM (30°-60°)   | 10817.3 | 44.7      |                         |      |         |
| FH (60°-80°)   | 6136.6  | 25.4      |                         |      | G3/7500 |
| FVH (80°-90°)  | 198.0   | 0.8       |                         |      | G2/225  |
| BL (0°-30°)    | 995.1   | 4.1       | B2/1000                 |      |         |
| BM (30°-60°)   | 2186.2  | 9.0       | B2/2500                 |      |         |
| BH (60°-80°)   | 1276.8  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 118.6   | 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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2838.8  | 2838.8  | 2838.8  | 2838.8  | 2838.8  | 2838.8  | 2838.8  | 2838.8  | 2838.8  | 2838.8  |
| 2.5°  | 3554.5  | 3579.4  | 3548.2  | 3548.2  | 3443.3  | 3388.4  | 3283.4  | 3203.5  | 3059.9  | 3034.9  |
| 5°    | 4201.4  | 4232.6  | 4188.9  | 4170.2  | 4046.5  | 3932.9  | 3756.8  | 3583.2  | 3327.2  | 3300.9  |
| 7.5°  | 4702.2  | 4742.2  | 4703.5  | 4683.5  | 4573.6  | 4446.2  | 4240.1  | 3997.8  | 3636.9  | 3585.7  |
| 10°   | 5110.6  | 5116.9  | 5104.4  | 5111.9  | 5025.7  | 4920.8  | 4709.7  | 4427.5  | 3976.6  | 3906.7  |
| 12.5° | 5341.7  | 5370.4  | 5395.4  | 5440.4  | 5425.4  | 5360.4  | 5170.6  | 4833.4  | 4336.3  | 4246.4  |
| 15°   | 5450.3  | 5500.3  | 5556.5  | 5660.2  | 5743.8  | 5760.1  | 5615.2  | 5269.2  | 4702.2  | 4593.6  |
| 17.5° | 5489.1  | 5536.5  | 5625.2  | 5775.1  | 5954.9  | 6076.1  | 6011.1  | 5692.6  | 5064.4  | 4939.5  |
| 20°   | 5685.1  | 5698.9  | 5752.6  | 5895.0  | 6089.8  | 6290.9  | 6339.6  | 6099.8  | 5422.9  | 5281.7  |
| 22.5° | 6104.8  | 6077.3  | 6092.3  | 6157.2  | 6297.1  | 6492.0  | 6603.1  | 6459.5  | 5791.3  | 5628.9  |
| 25°   | 6797.9  | 6718.0  | 6638.1  | 6563.1  | 6634.3  | 6744.2  | 6870.4  | 6819.2  | 6177.2  | 5971.1  |
| 27.5° | 7673.4  | 7576.0  | 7399.9  | 7153.9  | 7067.7  | 7106.4  | 7162.6  | 7152.6  | 6534.4  | 6325.8  |
| 30°   | 8535.2  | 8421.6  | 8211.7  | 7855.8  | 7628.5  | 7526.1  | 7483.6  | 7454.9  | 6922.8  | 6700.5  |
| 32.5° | 9223.4  | 9133.4  | 8927.4  | 8529.0  | 8199.2  | 8024.4  | 7883.3  | 7780.9  | 7328.7  | 7106.4  |
| 35°   | 9825.4  | 9741.7  | 9505.6  | 9071.0  | 8712.6  | 8526.5  | 8341.6  | 8123.1  | 7750.9  | 7526.1  |
| 37.5° | 10374.9 | 10291.2 | 9967.7  | 9515.6  | 9154.7  | 9026.0  | 8861.2  | 8490.2  | 8174.3  | 7961.9  |
| 40°   | 10722.1 | 10703.4 | 10401.1 | 9889.1  | 9514.4  | 9450.7  | 9395.7  | 8916.1  | 8643.9  | 8446.5  |
| 42.5° | 10810.8 | 10852.0 | 10612.2 | 10191.3 | 9834.1  | 9782.9  | 9911.5  | 9398.2  | 9170.9  | 8982.3  |
| 45°   | 10597.2 | 10715.8 | 10558.5 | 10272.5 | 10061.4 | 10033.9 | 10368.6 | 9925.3  | 9754.2  | 9581.8  |
| 47.5° | 10056.4 | 10257.5 | 10192.5 | 10152.6 | 10122.6 | 10241.3 | 10770.8 | 10484.8 | 10414.9 | 10265.0 |
| 50°   | 8964.8  | 9345.8  | 9459.4  | 9711.7  | 10001.5 | 10402.4 | 11136.7 | 11095.5 | 11186.7 | 11035.6 |
| 52.5° | 7077.7  | 7602.3  | 8261.7  | 8893.7  | 9629.3  | 10348.7 | 11538.9 | 11972.3 | 12356.9 | 12274.5 |
| 55°   | 5842.5  | 6078.6  | 6585.6  | 7744.6  | 8907.4  | 10122.6 | 11720.0 | 12680.4 | 13518.5 | 13444.8 |
| 57.5° | 4893.3  | 5104.4  | 5416.6  | 6384.5  | 7815.8  | 9609.3  | 11832.4 | 13112.5 | 14314.0 | 14306.5 |
| 60°   | 3875.4  | 4099.0  | 4418.7  | 5104.4  | 6540.7  | 8722.5  | 11807.4 | 13604.6 | 15329.4 | 15391.9 |
| 62.5° | 2726.4  | 2972.5  | 3327.2  | 3966.6  | 5238.0  | 7573.5  | 11297.8 | 13960.6 | 16524.6 | 16694.5 |
| 65°   | 1792.2  | 1954.6  | 2221.9  | 2773.9  | 3902.9  | 6096.0  | 10324.9 | 14006.8 | 17803.5 | 18090.8 |
| 67.5° | 1256.4  | 1318.9  | 1476.2  | 1776.0  | 2572.8  | 4674.8  | 8775.0  | 13528.4 | 18656.6 | 18980.0 |
| 70°   | 980.4   | 1011.6  | 1091.6  | 1211.5  | 1616.1  | 3143.6  | 6724.3  | 12284.5 | 18474.2 | 18811.4 |
| 72.5° | 846.8   | 876.8   | 906.7   | 921.7   | 1084.1  | 1940.8  | 4554.9  | 10271.2 | 16756.9 | 16985.5 |
| 75°   | 768.1   | 775.6   | 800.6   | 795.6   | 826.8   | 1258.9  | 2629.0  | 7483.6  | 13221.2 | 13142.5 |
| 77.5° | 645.7   | 655.7   | 696.9   | 690.7   | 734.4   | 860.5   | 1365.1  | 4829.6  | 8571.4  | 8036.9  |
| 80°   | 547.0   | 552.0   | 597.0   | 589.5   | 638.2   | 623.2   | 696.9   | 2461.6  | 3635.6  | 3079.9  |
| 82.5° | 189.8   | 234.8   | 455.9   | 469.6   | 487.1   | 377.2   | 402.2   | 1004.1  | 1110.3  | 850.5   |
| 85°   | 92.4    | 98.7    | 232.3   | 329.7   | 328.5   | 189.8   | 196.1   | 358.4   | 349.7   | 274.8   |
| 87.5° | 15.0    | 18.7    | 27.5    | 128.6   | 102.4   | 50.0    | 67.4    | 69.9    | 72.4    | 62.4    |
| 90°   | 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2838.8  | 0°    | 2838.8  | 2838.8 | 2838.8 | 2838.8 | 2838.8 | 2838.8 | 2838.8 | 2838.8 | 2838.8 | 2838.8 |
| 2940.0  | 2.5°  | 2870.0  | 2807.6 | 2676.5 | 2555.3 | 2460.4 | 2369.2 | 2318.0 | 2274.3 | 2249.3 | 2244.3 |
| 3077.4  | 5°    | 2947.5  | 2818.8 | 2580.3 | 2379.2 | 2248.1 | 2150.7 | 2099.5 | 2067.0 | 2050.7 | 2040.8 |
| 3262.2  | 7.5°  | 3058.6  | 2870.0 | 2530.3 | 2301.8 | 2164.4 | 2094.5 | 2068.2 | 2063.2 | 2062.0 | 2063.2 |
| 3485.8  | 10°   | 3212.3  | 2953.7 | 2525.3 | 2283.0 | 2168.1 | 2129.4 | 2128.2 | 2129.4 | 2134.4 | 2135.7 |
| 3729.3  | 12.5° | 3378.4  | 3039.9 | 2545.3 | 2299.3 | 2215.6 | 2194.4 | 2190.6 | 2189.4 | 2193.1 | 2195.6 |
| 3975.4  | 15°   | 3559.5  | 3153.6 | 2579.0 | 2334.3 | 2268.1 | 2245.6 | 2241.8 | 2234.3 | 2233.1 | 2231.8 |
| 4233.9  | 17.5° | 3745.6  | 3266.0 | 2616.5 | 2371.7 | 2301.8 | 2270.6 | 2256.8 | 2239.3 | 2225.6 | 2221.9 |
| 4501.2  | 20°   | 3934.1  | 3377.1 | 2642.7 | 2390.5 | 2304.3 | 2260.6 | 2233.1 | 2203.1 | 2179.4 | 2165.7 |
| 4770.9  | 22.5° | 4135.2  | 3493.3 | 2659.0 | 2385.5 | 2281.8 | 2221.9 | 2171.9 | 2136.9 | 2100.7 | 2077.0 |
| 5043.2  | 25°   | 4331.3  | 3594.4 | 2657.7 | 2359.2 | 2238.1 | 2161.9 | 2098.2 | 2053.2 | 2003.3 | 1978.3 |
| 5324.2  | 27.5° | 4519.9  | 3685.6 | 2626.5 | 2313.0 | 2175.6 | 2090.7 | 2014.5 | 1960.8 | 1912.1 | 1888.4 |
| 5607.7  | 30°   | 4714.7  | 3761.8 | 2577.8 | 2245.6 | 2102.0 | 2008.3 | 1924.6 | 1878.4 | 1834.7 | 1812.2 |
| 5907.5  | 32.5° | 4908.3  | 3831.7 | 2509.1 | 2161.9 | 2017.0 | 1927.1 | 1844.7 | 1802.2 | 1776.0 | 1776.0 |
| 6229.7  | 35°   | 5113.1  | 3880.4 | 2417.9 | 2064.5 | 1927.1 | 1840.9 | 1776.0 | 1751.0 | 1748.5 | 1733.5 |
| 6570.6  | 37.5° | 5329.2  | 3911.7 | 2306.8 | 1964.6 | 1838.4 | 1757.2 | 1737.3 | 1707.3 | 1682.3 | 1649.8 |
| 6945.3  | 40°   | 5556.5  | 3942.9 | 2173.1 | 1860.9 | 1744.8 | 1699.8 | 1691.1 | 1651.1 | 1579.9 | 1500.0 |
| 7370.0  | 42.5° | 5832.5  | 3964.1 | 2034.5 | 1757.2 | 1646.1 | 1631.1 | 1643.6 | 1574.9 | 1461.3 | 1401.3 |
| 7882.0  | 45°   | 6152.2  | 3999.1 | 1907.1 | 1654.8 | 1544.9 | 1544.9 | 1597.4 | 1507.5 | 1413.8 | 1376.3 |
| 8466.5  | 47.5° | 6566.9  | 4080.3 | 1788.5 | 1542.4 | 1451.3 | 1476.2 | 1495.0 | 1426.3 | 1373.8 | 1327.6 |
| 9178.4  | 50°   | 7166.4  | 4275.1 | 1666.1 | 1428.8 | 1380.1 | 1430.0 | 1403.8 | 1363.8 | 1302.6 | 1265.2 |
| 10309.9 | 52.5° | 7910.7  | 4390.0 | 1557.4 | 1326.4 | 1318.9 | 1368.8 | 1331.4 | 1293.9 | 1247.7 | 1197.7 |
| 11168.0 | 55°   | 8417.8  | 4411.2 | 1466.2 | 1251.4 | 1277.7 | 1272.7 | 1258.9 | 1225.2 | 1200.2 | 1134.0 |
| 12014.7 | 57.5° | 8984.8  | 4453.7 | 1391.3 | 1206.5 | 1251.4 | 1196.5 | 1191.5 | 1162.8 | 1130.3 | 1085.3 |
| 13047.6 | 60°   | 9663.0  | 4519.9 | 1326.4 | 1189.0 | 1229.0 | 1146.5 | 1121.5 | 1110.3 | 1077.8 | 1055.3 |
| 14290.3 | 62.5° | 10402.4 | 4579.8 | 1260.2 | 1191.5 | 1202.7 | 1097.8 | 1060.3 | 1056.6 | 1036.6 | 1029.1 |
| 15456.8 | 65°   | 10906.9 | 4416.2 | 1177.7 | 1189.0 | 1161.5 | 1047.9 | 1000.4 | 999.1  | 982.9  | 980.4  |
| 15962.6 | 67.5° | 10730.8 | 3897.9 | 1066.6 | 1154.0 | 1119.0 | 997.9  | 945.4  | 940.4  | 919.2  | 920.5  |
| 15434.3 | 70°   | 9849.1  | 3158.6 | 913.0  | 1067.8 | 1066.6 | 952.9  | 888.0  | 871.8  | 843.0  | 848.0  |
| 13419.8 | 72.5° | 8195.5  | 2340.5 | 706.9  | 924.2  | 982.9  | 911.7  | 821.8  | 795.6  | 759.4  | 764.3  |
| 9906.5  | 75°   | 5918.7  | 1591.1 | 514.6  | 703.1  | 855.5  | 863.0  | 756.9  | 711.9  | 668.2  | 675.7  |
| 5514.0  | 77.5° | 3028.7  | 901.7  | 378.4  | 484.6  | 671.9  | 784.3  | 698.2  | 638.2  | 628.2  | 698.2  |
| 1589.9  | 80°   | 987.9   | 452.1  | 262.3  | 339.7  | 440.9  | 642.0  | 612.0  | 543.3  | 540.8  | 557.0  |
| 333.5   | 82.5° | 294.7   | 191.1  | 168.6  | 223.6  | 243.5  | 492.1  | 528.3  | 410.9  | 353.4  | 372.2  |
| 111.2   | 85°   | 101.2   | 92.4   | 96.2   | 111.2  | 116.2  | 288.5  | 369.7  | 272.3  | 257.3  | 283.5  |
| 25.0    | 87.5° | 23.7    | 32.5   | 27.5   | 25.0   | 25.0   | 69.9   | 143.6  | 113.7  | 157.4  | 104.9  |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| <u>180°</u> |
|-------------|
| 2838.8      |
| 2244.3      |
| 2039.5      |
| 2067.0      |
| 2136.9      |
| 2196.9      |
| 2230.6      |
| 2225.6      |
| 2170.6      |
| 2078.2      |
| 1978.3      |
| 1887.1      |
| 1811.0      |
| 1777.2      |
| 1729.8      |
| 1644.8      |
| 1488.7      |
| 1402.6      |
| 1382.6      |
| 1326.4      |
| 1261.4      |
| 1187.7      |
| 1135.3      |
| 1070.3      |
| 1061.6      |
| 1029.1      |
| 979.2       |
| 920.5       |
| 853.0       |
| 763.1       |
| 678.2       |
| 688.2       |
| 478.3       |
| 384.7       |
| 279.8       |
| 101.2       |
| 0.0         |

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