

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: STREETWORKS

Report Number: P951364

Luminaire Tested: **GLAN-SB5C-750-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951364  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-750-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40705 lumens  
Efficiency: N/A  
Efficacy: 163.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 249.5  
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

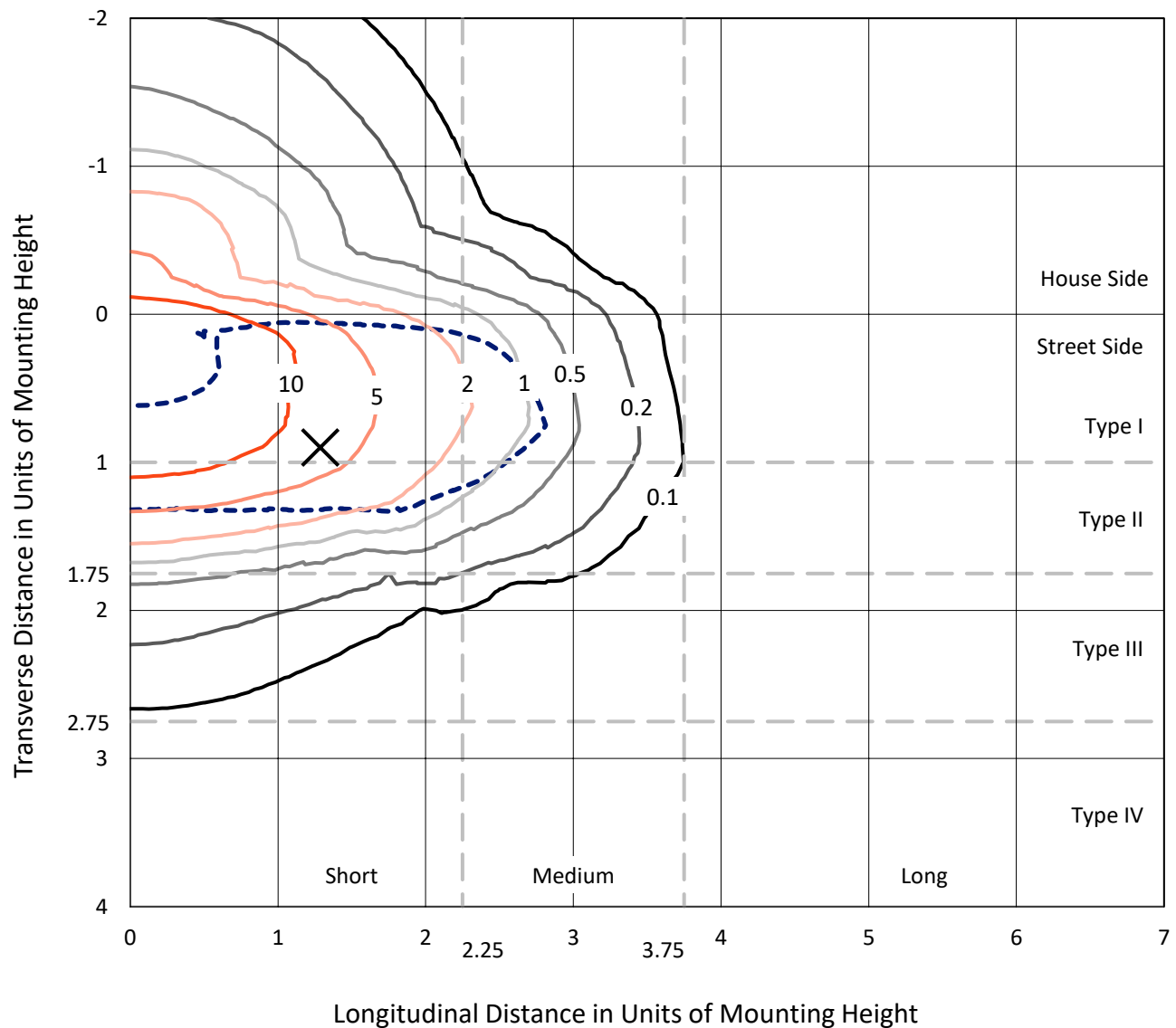


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

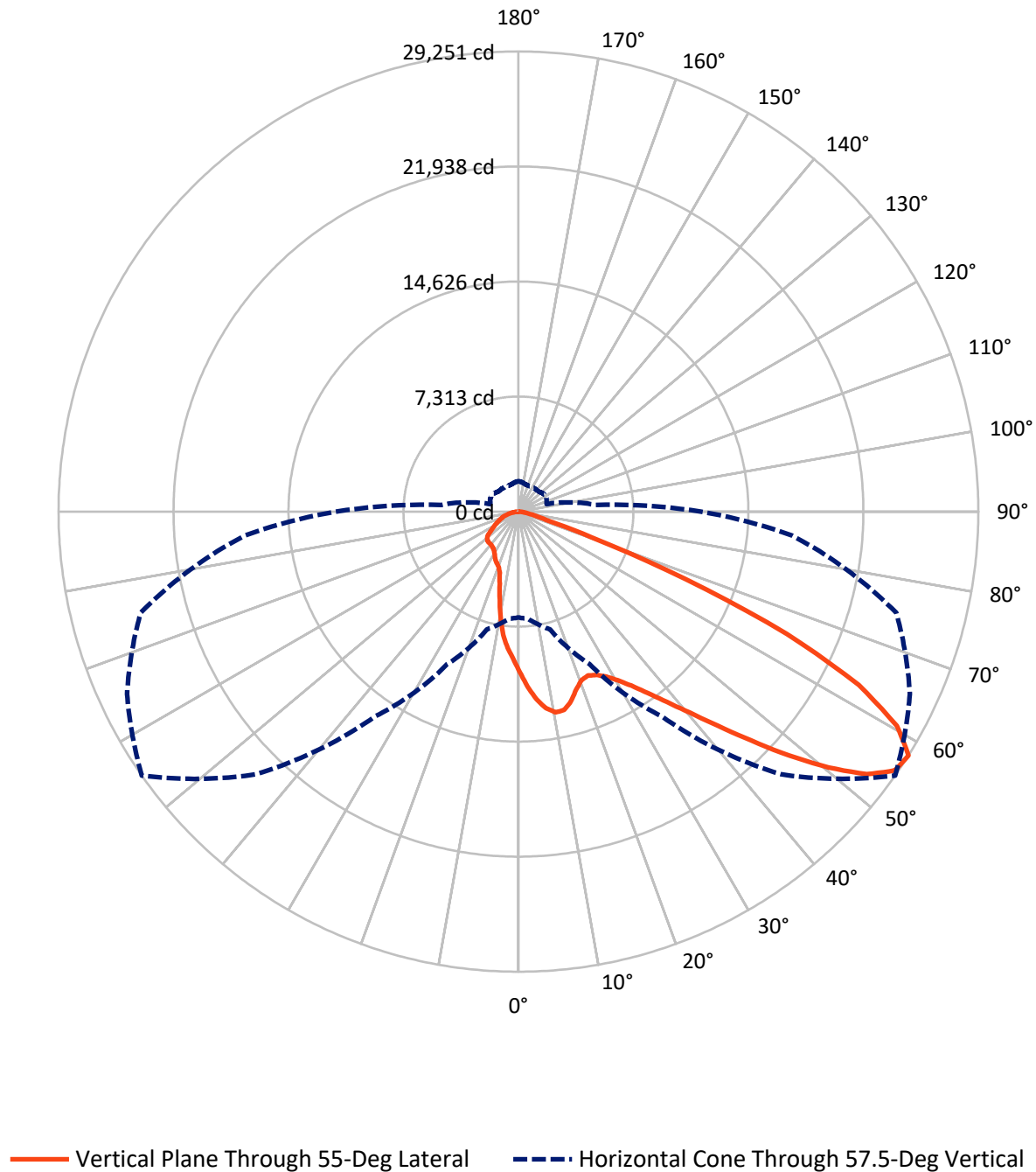


Based on 25 foot mounting height. Maximum calculated value = 19.7 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7365.4   | 0.0    | 7365.4  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 33339.6  | 0.0    | 33339.6 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 40705.0  | 0.0    | 40705.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 946.4   | 2.3       |
| 10°-20°   | 2388.9  | 5.9       |
| 20°-30°   | 3811.9  | 9.4       |
| 30°-40°   | 6035.2  | 14.8      |
| 40°-50°   | 9237.5  | 22.7      |
| 50°-60°   | 9894.3  | 24.3      |
| 60°-70°   | 6224.5  | 15.3      |
| 70°-80°   | 1840.7  | 4.5       |
| 80°-90°   | 325.5   | 0.8       |
| 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°    | 40705.0 | 100.0     |
| 0°-180°   | 40705.0 | 100.0     |

**Coefficient of Utilization**



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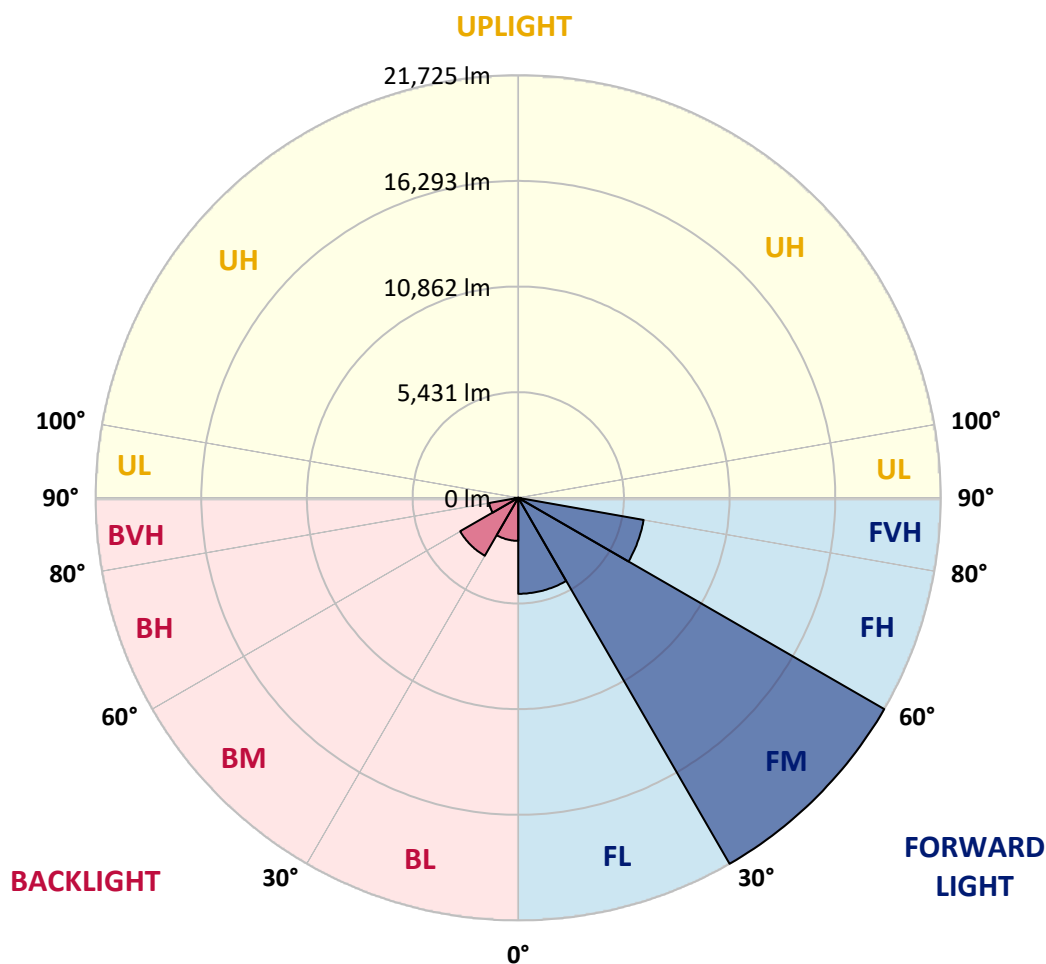
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4933.4  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 21724.6 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 6544.1  | 16.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 137.5   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2213.8  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3442.5  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1521.1  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 188.0   | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 |
| 2.5°  | 11701.8 | 11693.4 | 11739.7 | 11581.9 | 11474.5 | 11329.3 | 11137.9 | 10893.8 | 10630.7 | 10353.0 |
| 5°    | 12756.0 | 12682.4 | 12730.8 | 12612.9 | 12495.1 | 12276.3 | 11992.2 | 11594.5 | 11108.4 | 10555.0 |
| 7.5°  | 12589.8 | 12539.3 | 12663.4 | 12768.7 | 12857.0 | 12829.7 | 12621.4 | 12204.7 | 11577.6 | 10773.8 |
| 10°   | 11249.4 | 11192.6 | 11367.2 | 11731.3 | 12265.7 | 12730.8 | 12983.3 | 12724.5 | 12057.4 | 11013.7 |
| 12.5° | 10066.8 | 10039.4 | 10155.2 | 10449.8 | 11043.2 | 11935.4 | 12937.0 | 13179.0 | 12556.1 | 11297.8 |
| 15°   | 9561.8  | 9528.1  | 9601.7  | 9751.1  | 10129.9 | 10961.1 | 12516.1 | 13490.4 | 13046.4 | 11626.0 |
| 17.5° | 9450.2  | 9412.4  | 9443.9  | 9521.8  | 9765.9  | 10399.3 | 11880.7 | 13644.0 | 13557.8 | 11992.2 |
| 20°   | 9656.5  | 9624.9  | 9629.1  | 9624.9  | 9795.3  | 10298.3 | 11438.8 | 13585.1 | 14003.9 | 12328.9 |
| 22.5° | 10155.2 | 10102.6 | 10104.7 | 9993.1  | 10085.7 | 10475.0 | 11323.0 | 13427.3 | 14401.6 | 12623.5 |
| 25°   | 10967.4 | 10872.7 | 10891.7 | 10607.6 | 10582.3 | 10870.6 | 11504.0 | 13305.2 | 14797.2 | 12859.1 |
| 27.5° | 12078.5 | 11971.1 | 11914.3 | 11491.4 | 11289.4 | 11432.4 | 11872.2 | 13347.3 | 15171.7 | 13063.3 |
| 30°   | 13467.3 | 13336.8 | 13221.1 | 12621.4 | 12255.2 | 12202.6 | 12444.6 | 13625.1 | 15613.6 | 13277.9 |
| 32.5° | 15169.6 | 15018.1 | 14807.7 | 14012.3 | 13496.7 | 13221.1 | 13185.3 | 14119.6 | 16131.3 | 13551.4 |
| 35°   | 17196.0 | 16998.2 | 16699.4 | 15670.4 | 15018.1 | 14454.2 | 14161.7 | 14832.9 | 16840.4 | 13963.9 |
| 37.5° | 19283.4 | 19060.4 | 18786.8 | 17562.2 | 16760.4 | 15929.3 | 15352.7 | 15800.9 | 17785.2 | 14523.6 |
| 40°   | 21208.8 | 20958.4 | 20703.8 | 19613.8 | 18753.2 | 17751.5 | 16810.9 | 17025.6 | 18940.5 | 15192.8 |
| 42.5° | 22345.1 | 22160.0 | 22063.2 | 21474.0 | 20809.0 | 19792.7 | 18624.8 | 18477.5 | 20238.8 | 15962.9 |
| 45°   | 22294.6 | 22218.9 | 22517.7 | 22761.8 | 22604.0 | 22040.0 | 20750.1 | 20083.1 | 21541.3 | 16630.0 |
| 47.5° | 21103.6 | 21154.1 | 21821.2 | 23193.2 | 23797.1 | 24091.7 | 23170.0 | 21659.2 | 22673.4 | 17128.7 |
| 50°   | 17863.1 | 17905.2 | 19449.7 | 22408.3 | 24104.3 | 25764.6 | 25571.0 | 23197.4 | 23550.9 | 17433.8 |
| 52.5° | 15298.0 | 15325.3 | 15988.2 | 20081.0 | 23090.1 | 26606.3 | 27734.2 | 24647.2 | 24192.7 | 17518.0 |
| 55°   | 11522.9 | 11617.6 | 12360.4 | 15754.6 | 20451.3 | 25939.2 | 29051.4 | 26141.2 | 24598.8 | 17526.4 |
| 57.5° | 6731.5  | 6834.6  | 7752.1  | 10693.9 | 15895.6 | 23614.0 | 29251.3 | 27466.9 | 24874.5 | 17459.1 |
| 60°   | 3297.4  | 3341.6  | 3741.4  | 5620.5  | 9801.6  | 19134.0 | 27643.7 | 28108.7 | 25028.1 | 17423.3 |
| 62.5° | 2222.1  | 2215.8  | 2232.6  | 2773.4  | 4829.3  | 12293.1 | 24293.7 | 26985.0 | 24946.0 | 17286.5 |
| 65°   | 1910.7  | 1887.5  | 1824.4  | 1946.4  | 2502.0  | 5622.6  | 18770.0 | 23630.8 | 24321.0 | 16943.5 |
| 67.5° | 1651.8  | 1653.9  | 1656.1  | 1618.2  | 1786.5  | 2594.6  | 11470.3 | 18614.3 | 22077.9 | 15319.0 |
| 70°   | 1367.8  | 1386.7  | 1395.1  | 1395.1  | 1456.1  | 1702.3  | 4896.6  | 12758.1 | 17414.9 | 12011.1 |
| 72.5° | 1245.7  | 1205.7  | 1209.9  | 1188.9  | 1188.9  | 1296.2  | 1971.7  | 7232.3  | 10971.6 | 6756.8  |
| 75°   | 1016.4  | 1041.6  | 1045.8  | 1031.1  | 982.7   | 989.0   | 1170.0  | 3034.3  | 4694.6  | 2802.9  |
| 77.5° | 877.5   | 877.5   | 885.9   | 875.4   | 837.5   | 740.7   | 780.7   | 1176.3  | 1597.1  | 1148.9  |
| 80°   | 704.9   | 702.8   | 738.6   | 759.6   | 700.7   | 547.1   | 498.7   | 650.2   | 709.1   | 505.0   |
| 82.5° | 343.0   | 364.0   | 507.1   | 578.7   | 532.4   | 395.6   | 305.1   | 404.0   | 378.8   | 223.1   |
| 85°   | 199.9   | 189.4   | 227.3   | 322.0   | 305.1   | 218.8   | 147.3   | 210.4   | 197.8   | 113.6   |
| 87.5° | 63.1    | 58.9    | 46.3    | 109.4   | 88.4    | 61.0    | 40.0    | 61.0    | 54.7    | 25.3    |
| 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):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10199.4 | 0°    | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 | 10199.4 |
| 10233.0 | 2.5°  | 10083.6 | 9835.3  | 9589.1  | 9364.0  | 9227.2  | 9138.8  | 9050.4  | 8951.5  | 8913.6  | 8856.8  |
| 10260.4 | 5°    | 9982.6  | 9502.8  | 9075.7  | 8707.4  | 8372.9  | 8109.8  | 7844.7  | 7630.0  | 7533.3  | 7598.5  |
| 10346.6 | 7.5°  | 9923.7  | 9229.3  | 8570.7  | 7895.2  | 7245.0  | 6725.2  | 6272.8  | 5955.1  | 5812.0  | 5847.7  |
| 10430.8 | 10°   | 9871.1  | 8920.0  | 7916.2  | 6849.4  | 5915.1  | 5271.2  | 4808.2  | 4566.2  | 4475.8  | 4494.7  |
| 10544.5 | 12.5° | 9822.7  | 8572.8  | 7127.1  | 5723.6  | 4730.4  | 4305.3  | 4172.7  | 4174.9  | 4191.7  | 4204.3  |
| 10725.4 | 15°   | 9814.3  | 8154.0  | 6245.4  | 4738.8  | 4090.7  | 4063.3  | 4206.4  | 4296.9  | 4345.3  | 4360.0  |
| 10876.9 | 17.5° | 9801.6  | 7653.2  | 5346.9  | 4067.5  | 3935.0  | 4120.1  | 4252.7  | 4311.6  | 4349.5  | 4351.6  |
| 11024.2 | 20°   | 9751.1  | 7017.7  | 4517.8  | 3747.7  | 3901.3  | 4061.2  | 4143.3  | 4189.6  | 4221.1  | 4231.7  |
| 11135.7 | 22.5° | 9595.4  | 6310.7  | 3871.8  | 3604.6  | 3766.6  | 3895.0  | 3991.8  | 4044.4  | 4063.3  | 4076.0  |
| 11156.8 | 25°   | 9315.6  | 5519.5  | 3425.7  | 3467.8  | 3579.3  | 3741.4  | 3819.2  | 3829.8  | 3823.4  | 3842.4  |
| 11104.2 | 27.5° | 8949.4  | 4671.5  | 3148.0  | 3282.6  | 3425.7  | 3564.6  | 3606.7  | 3600.4  | 3587.8  | 3608.8  |
| 11013.7 | 30°   | 8507.5  | 3909.7  | 2971.2  | 3074.3  | 3270.0  | 3396.3  | 3434.2  | 3419.4  | 3394.2  | 3417.3  |
| 10967.4 | 32.5° | 8040.4  | 3286.9  | 2826.0  | 2929.1  | 3141.7  | 3265.8  | 3303.7  | 3289.0  | 3270.0  | 3289.0  |
| 11020.0 | 35°   | 7604.8  | 2851.3  | 2691.3  | 2832.3  | 3040.7  | 3162.7  | 3211.1  | 3213.2  | 3213.2  | 3236.4  |
| 11158.9 | 37.5° | 7205.0  | 2596.7  | 2579.8  | 2771.3  | 2971.2  | 3080.6  | 3150.1  | 3154.3  | 3063.8  | 3070.1  |
| 11394.6 | 40°   | 6834.6  | 2489.3  | 2529.3  | 2731.3  | 2903.9  | 3009.1  | 3013.3  | 2777.6  | 2611.4  | 2607.2  |
| 11663.9 | 42.5° | 6531.6  | 2468.3  | 2544.1  | 2727.1  | 2855.5  | 2859.7  | 2563.0  | 2379.9  | 2333.6  | 2335.7  |
| 11912.2 | 45°   | 6247.6  | 2462.0  | 2577.7  | 2727.1  | 2783.9  | 2470.4  | 2270.5  | 2222.1  | 2226.3  | 2243.1  |
| 12023.7 | 47.5° | 5929.8  | 2436.7  | 2584.0  | 2689.2  | 2577.7  | 2196.8  | 2137.9  | 2116.9  | 2108.5  | 2112.7  |
| 11998.5 | 50°   | 5582.6  | 2346.3  | 2504.1  | 2613.5  | 2224.2  | 2079.0  | 2005.4  | 1999.0  | 2009.6  | 2015.9  |
| 11857.5 | 52.5° | 5216.5  | 2199.0  | 2367.3  | 2476.7  | 2062.2  | 1975.9  | 1893.8  | 1908.6  | 1954.9  | 1969.6  |
| 11710.2 | 55°   | 4976.6  | 2026.4  | 2186.3  | 2203.2  | 1948.5  | 1879.1  | 1809.7  | 1843.3  | 1929.6  | 1957.0  |
| 11621.8 | 57.5° | 4913.4  | 1843.3  | 1980.1  | 1961.2  | 1803.4  | 1794.9  | 1752.8  | 1782.3  | 1891.7  | 1931.7  |
| 11617.6 | 60°   | 4894.5  | 1679.2  | 1778.1  | 1763.4  | 1662.4  | 1702.3  | 1691.8  | 1706.6  | 1744.4  | 1757.1  |
| 11575.5 | 62.5° | 4747.2  | 1548.7  | 1597.1  | 1576.1  | 1536.1  | 1605.6  | 1630.8  | 1599.2  | 1628.7  | 1643.4  |
| 11287.3 | 65°   | 4372.7  | 1443.5  | 1420.4  | 1405.6  | 1422.5  | 1485.6  | 1536.1  | 1473.0  | 1500.3  | 1542.4  |
| 10176.2 | 67.5° | 3754.0  | 1300.4  | 1237.3  | 1254.1  | 1306.7  | 1340.4  | 1405.6  | 1334.1  | 1357.2  | 1428.8  |
| 8196.1  | 70°   | 3036.4  | 1119.5  | 1062.7  | 1111.0  | 1161.6  | 1231.0  | 1241.5  | 1193.1  | 1247.8  | 1327.8  |
| 5001.8  | 72.5° | 2148.5  | 936.4   | 896.4   | 995.3   | 1012.1  | 1102.6  | 1079.5  | 1056.3  | 1132.1  | 1159.4  |
| 2472.5  | 75°   | 1489.8  | 755.4   | 732.3   | 808.0   | 869.1   | 946.9   | 930.1   | 957.4   | 1117.4  | 1130.0  |
| 1235.2  | 77.5° | 942.7   | 587.1   | 572.4   | 620.8   | 704.9   | 791.2   | 818.6   | 1130.0  | 1908.6  | 1984.3  |
| 641.8   | 80°   | 547.1   | 437.7   | 420.9   | 458.7   | 532.4   | 612.3   | 789.1   | 1386.7  | 1258.3  | 1243.6  |
| 288.3   | 82.5° | 305.1   | 300.9   | 279.9   | 290.4   | 355.6   | 441.9   | 1115.3  | 976.4   | 793.3   | 818.6   |
| 115.7   | 85°   | 143.1   | 176.8   | 151.5   | 145.2   | 199.9   | 517.6   | 744.9   | 557.6   | 370.3   | 361.9   |
| 25.3    | 87.5° | 37.9    | 33.7    | 33.7    | 37.9    | 84.2    | 446.1   | 296.7   | 237.8   | 141.0   | 136.8   |
| 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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