

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: P950188

Luminaire Tested: **GLAN-SB4D-722-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950188  
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-SB4D-722-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34264 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 293.6  
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



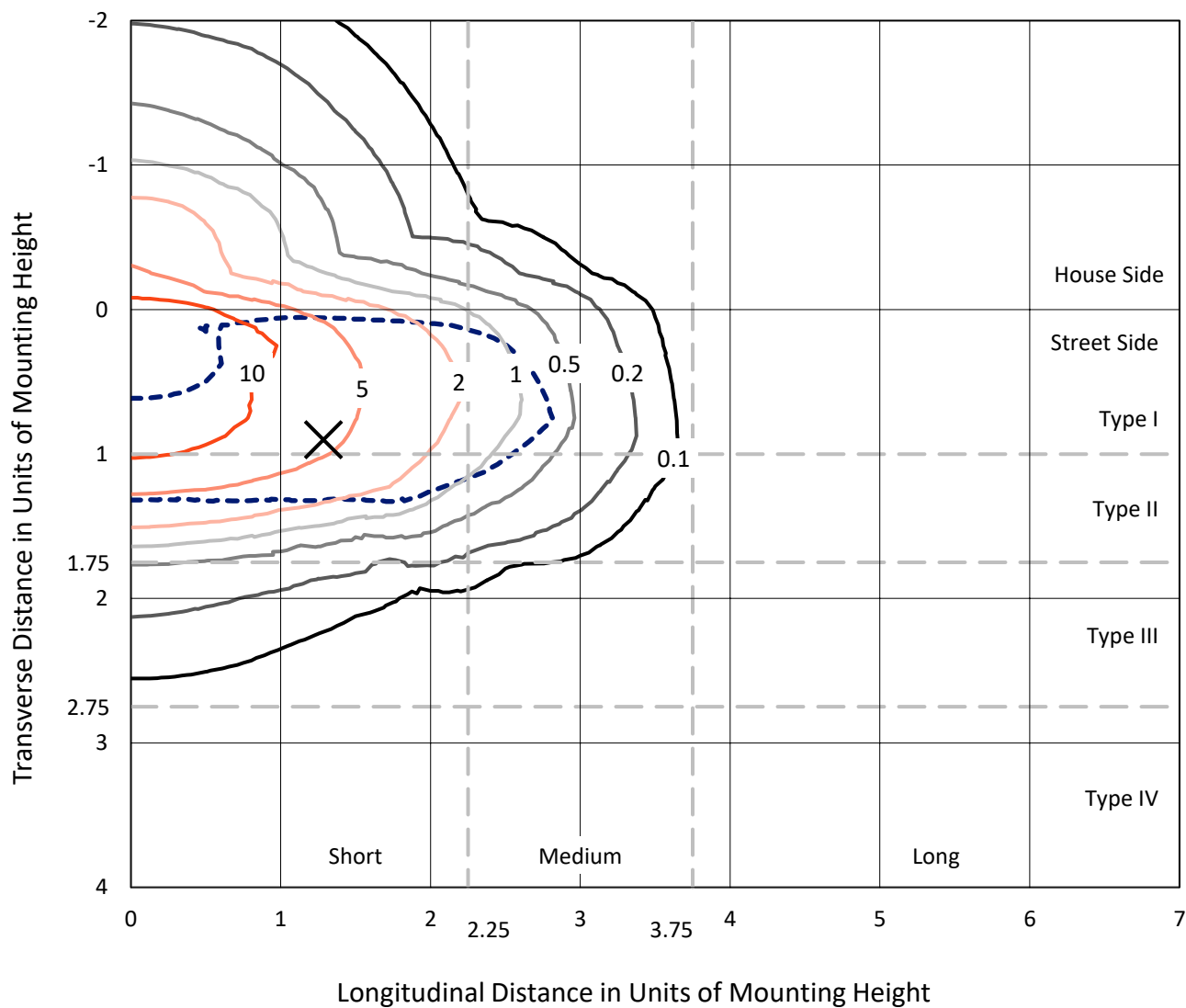
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

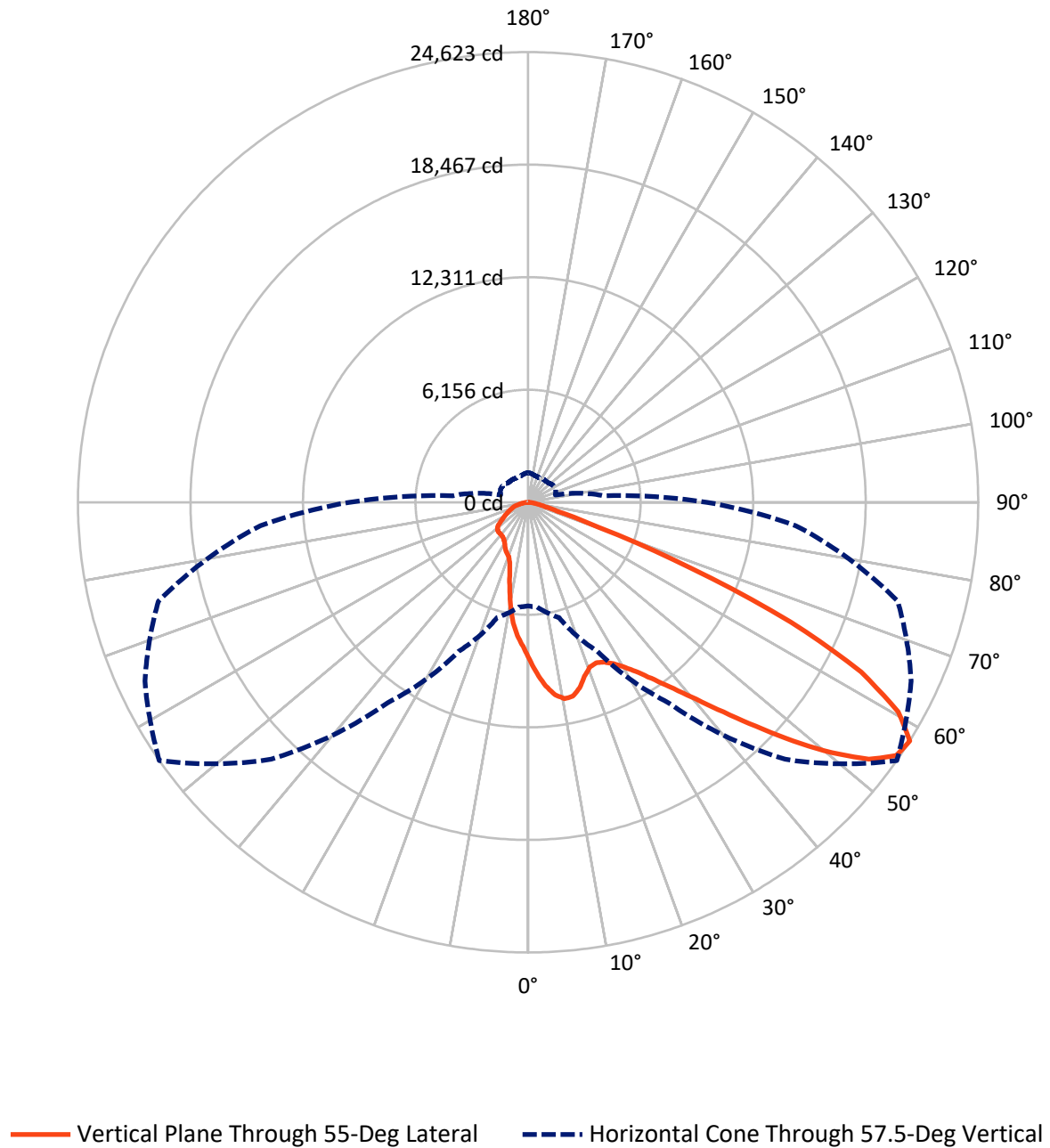


Based on 25 foot mounting height. Maximum calculated value = 16.6 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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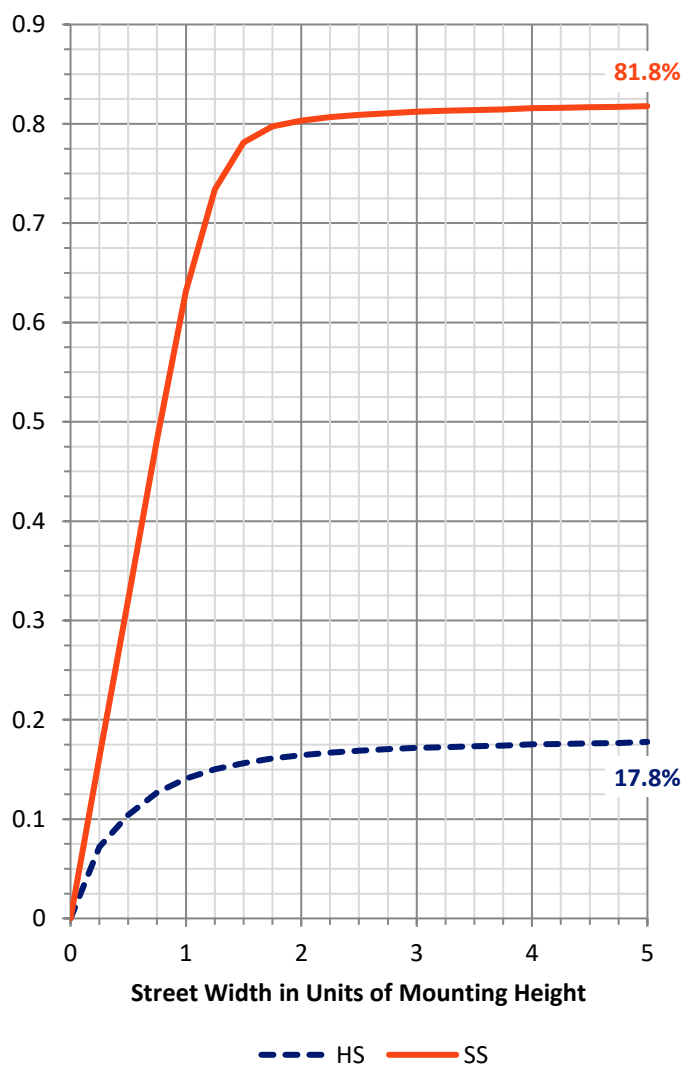
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6199.9   | 0.0    | 6199.9  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 28064.1  | 0.0    | 28064.1 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 34264.0  | 0.0    | 34264.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 796.7   | 2.3       |
| 10°-20°   | 2010.9  | 5.9       |
| 20°-30°   | 3208.8  | 9.4       |
| 30°-40°   | 5080.2  | 14.8      |
| 40°-50°   | 7775.8  | 22.7      |
| 50°-60°   | 8328.6  | 24.3      |
| 60°-70°   | 5239.6  | 15.3      |
| 70°-80°   | 1549.4  | 4.5       |
| 80°-90°   | 274.0   | 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°    | 34264.0 | 100.0     |
| 0°-180°   | 34264.0 | 100.0     |

**Coefficient of Utilization**



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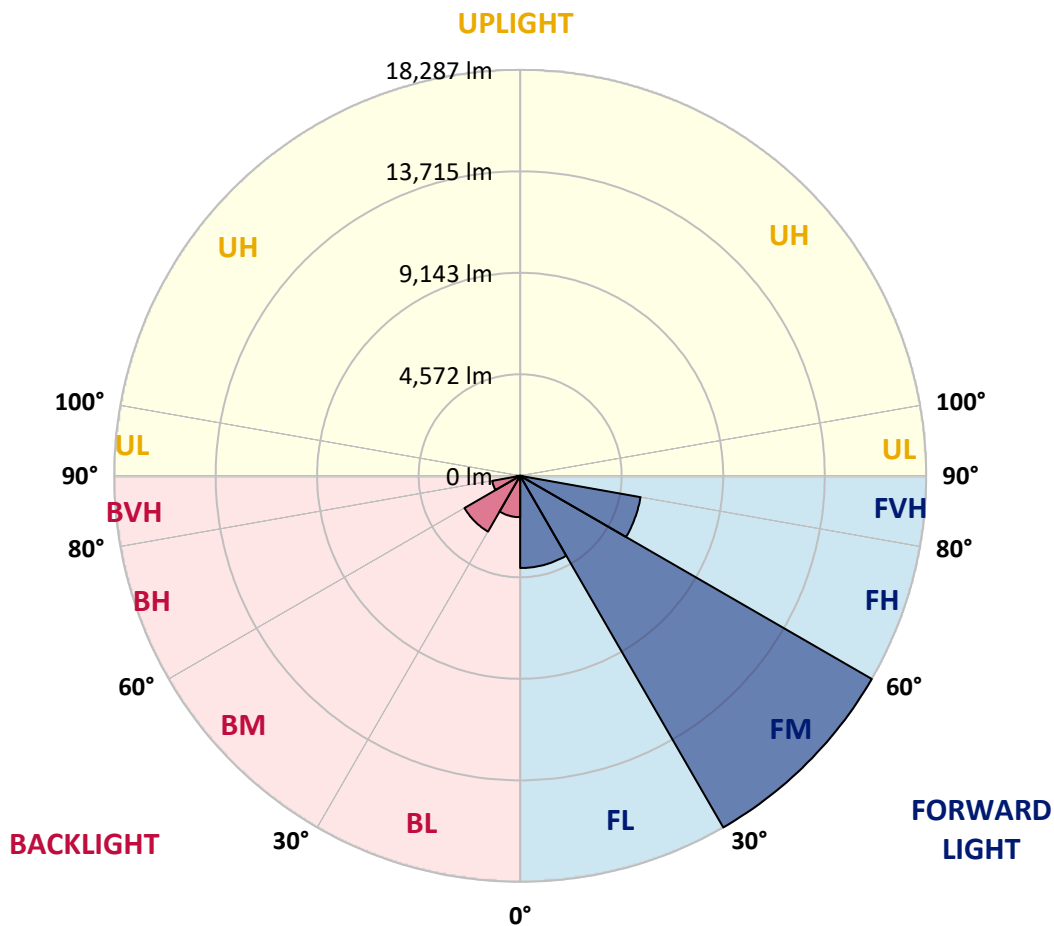
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4152.8  | 12.1      |                         |      |         |
| FM   | (30°-60°)   | 18286.9 | 53.4      |                         |      |         |
| FH   | (60°-80°)   | 5508.6  | 16.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 115.7   | 0.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1863.5  | 5.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2897.8  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1280.4  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 158.2   | 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°    | 8585.4  | 8585.4  | 8585.4  | 8585.4  | 8585.4  | 8585.4  | 8585.4  | 8585.4  | 8585.4  | 8585.4  |
| 2.5°  | 9850.1  | 9843.1  | 9882.0  | 9749.2  | 9658.8  | 9536.6  | 9375.4  | 9170.0  | 8948.6  | 8714.8  |
| 5°    | 10737.6 | 10675.6 | 10716.3 | 10617.1 | 10517.9 | 10333.7 | 10094.6 | 9759.8  | 9350.6  | 8884.8  |
| 7.5°  | 10597.6 | 10555.1 | 10659.6 | 10748.2 | 10822.6 | 10799.6 | 10624.2 | 10273.5 | 9745.6  | 9069.0  |
| 10°   | 9469.3  | 9421.5  | 9568.5  | 9874.9  | 10324.9 | 10716.3 | 10928.9 | 10711.0 | 10149.5 | 9270.9  |
| 12.5° | 8473.9  | 8450.8  | 8548.2  | 8796.2  | 9295.7  | 10046.8 | 10889.9 | 11093.6 | 10569.3 | 9510.1  |
| 15°   | 8048.7  | 8020.4  | 8082.4  | 8208.2  | 8527.0  | 9226.7  | 10535.6 | 11355.7 | 10982.0 | 9786.4  |
| 17.5° | 7954.9  | 7923.0  | 7949.6  | 8015.1  | 8220.6  | 8753.7  | 10000.7 | 11485.0 | 11412.4 | 10094.6 |
| 20°   | 8128.5  | 8101.9  | 8105.4  | 8101.9  | 8245.4  | 8668.7  | 9628.7  | 11435.5 | 11787.9 | 10378.0 |
| 22.5° | 8548.2  | 8504.0  | 8505.7  | 8411.9  | 8489.8  | 8817.5  | 9531.3  | 11302.6 | 12122.7 | 10626.0 |
| 25°   | 9232.0  | 9152.3  | 9168.2  | 8929.1  | 8907.8  | 9150.5  | 9683.6  | 11199.9 | 12455.7 | 10824.4 |
| 27.5° | 10167.2 | 10076.9 | 10029.0 | 9673.0  | 9503.0  | 9623.4  | 9993.6  | 11235.3 | 12771.0 | 10996.2 |
| 30°   | 11336.3 | 11226.4 | 11129.0 | 10624.2 | 10316.0 | 10271.7 | 10475.4 | 11469.1 | 13143.0 | 11176.8 |
| 32.5° | 12769.2 | 12641.7 | 12464.6 | 11795.0 | 11361.1 | 11129.0 | 11098.9 | 11885.4 | 13578.7 | 11407.1 |
| 35°   | 14475.0 | 14308.5 | 14057.0 | 13190.8 | 12641.7 | 12167.0 | 11920.8 | 12485.8 | 14175.6 | 11754.3 |
| 37.5° | 16232.1 | 16044.4 | 15814.1 | 14783.2 | 14108.3 | 13408.7 | 12923.3 | 13300.6 | 14970.9 | 12225.4 |
| 40°   | 17852.8 | 17642.1 | 17427.7 | 16510.2 | 15785.7 | 14942.6 | 14150.8 | 14331.5 | 15943.4 | 12788.7 |
| 42.5° | 18809.3 | 18653.5 | 18572.0 | 18076.0 | 17516.3 | 16660.8 | 15677.7 | 15553.7 | 17036.3 | 13437.0 |
| 45°   | 18766.8 | 18703.1 | 18954.6 | 19160.1 | 19027.2 | 18552.5 | 17466.7 | 16905.2 | 18132.7 | 13998.5 |
| 47.5° | 17764.3 | 17806.8 | 18368.3 | 19523.2 | 20031.5 | 20279.5 | 19503.7 | 18231.9 | 19085.7 | 14418.3 |
| 50°   | 15036.5 | 15071.9 | 16372.0 | 18862.5 | 20290.1 | 21687.7 | 21524.7 | 19526.7 | 19824.3 | 14675.1 |
| 52.5° | 12877.3 | 12900.3 | 13458.3 | 16903.4 | 19436.4 | 22396.2 | 23345.6 | 20747.1 | 20364.5 | 14746.0 |
| 55°   | 9699.6  | 9779.3  | 10404.6 | 13261.7 | 17215.2 | 21834.7 | 24454.4 | 22004.7 | 20706.4 | 14753.1 |
| 57.5° | 5666.4  | 5753.2  | 6525.4  | 9001.7  | 13380.3 | 19877.4 | 24622.7 | 23120.7 | 20938.4 | 14696.4 |
| 60°   | 2775.6  | 2812.8  | 3149.4  | 4731.1  | 8250.7  | 16106.3 | 23269.4 | 23660.9 | 21067.7 | 14666.3 |
| 62.5° | 1870.5  | 1865.2  | 1879.3  | 2334.6  | 4065.1  | 10347.9 | 20449.6 | 22715.0 | 20998.7 | 14551.2 |
| 65°   | 1608.3  | 1588.8  | 1535.7  | 1638.4  | 2106.1  | 4732.9  | 15799.9 | 19891.6 | 20472.6 | 14262.4 |
| 67.5° | 1390.5  | 1392.2  | 1394.0  | 1362.1  | 1503.8  | 2184.0  | 9655.3  | 15668.8 | 18584.4 | 12895.0 |
| 70°   | 1151.3  | 1167.3  | 1174.4  | 1174.4  | 1225.7  | 1433.0  | 4121.8  | 10739.3 | 14659.2 | 10110.5 |
| 72.5° | 1048.6  | 1014.9  | 1018.5  | 1000.8  | 1000.8  | 1091.1  | 1659.7  | 6087.9  | 9235.5  | 5687.6  |
| 75°   | 855.5   | 876.8   | 880.3   | 867.9   | 827.2   | 832.5   | 984.8   | 2554.2  | 3951.7  | 2359.4  |
| 77.5° | 738.6   | 738.6   | 745.7   | 736.9   | 705.0   | 623.5   | 657.1   | 990.2   | 1344.4  | 967.1   |
| 80°   | 593.4   | 591.6   | 621.7   | 639.4   | 589.8   | 460.5   | 419.8   | 547.3   | 596.9   | 425.1   |
| 82.5° | 288.7   | 306.4   | 426.9   | 487.1   | 448.1   | 333.0   | 256.8   | 340.1   | 318.8   | 187.8   |
| 85°   | 168.3   | 159.4   | 191.3   | 271.0   | 256.8   | 184.2   | 124.0   | 177.1   | 166.5   | 95.6    |
| 87.5° | 53.1    | 49.6    | 39.0    | 92.1    | 74.4    | 51.4    | 33.7    | 51.4    | 46.1    | 21.3    |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8585.4  | 0°    | 8585.4 | 8585.4 | 8585.4 | 8585.4 | 8585.4 | 8585.4 | 8585.4 | 8585.4 | 8585.4 | 8585.4 |
| 8613.8  | 2.5°  | 8488.0 | 8279.0 | 8071.8 | 7882.2 | 7767.1 | 7692.7 | 7618.3 | 7535.1 | 7503.2 | 7455.4 |
| 8636.8  | 5°    | 8403.0 | 7999.1 | 7639.6 | 7329.6 | 7048.0 | 6826.6 | 6603.4 | 6422.7 | 6341.2 | 6396.1 |
| 8709.4  | 7.5°  | 8353.4 | 7768.9 | 7214.5 | 6645.9 | 6098.6 | 5661.0 | 5280.2 | 5012.8 | 4892.3 | 4922.4 |
| 8780.3  | 10°   | 8309.1 | 7508.5 | 6663.6 | 5765.6 | 4979.1 | 4437.1 | 4047.4 | 3843.7 | 3767.5 | 3783.5 |
| 8875.9  | 12.5° | 8268.4 | 7216.2 | 5999.4 | 4817.9 | 3981.9 | 3624.1 | 3512.5 | 3514.2 | 3528.4 | 3539.0 |
| 9028.3  | 15°   | 8261.3 | 6863.8 | 5257.2 | 3988.9 | 3443.4 | 3420.4 | 3540.8 | 3617.0 | 3657.7 | 3670.1 |
| 9155.8  | 17.5° | 8250.7 | 6442.2 | 4500.8 | 3423.9 | 3312.3 | 3468.2 | 3579.8 | 3629.4 | 3661.3 | 3663.0 |
| 9279.8  | 20°   | 8208.2 | 5907.3 | 3803.0 | 3154.7 | 3284.0 | 3418.6 | 3487.7 | 3526.6 | 3553.2 | 3562.1 |
| 9373.7  | 22.5° | 8077.1 | 5312.1 | 3259.2 | 3034.2 | 3170.6 | 3278.7 | 3360.1 | 3404.4 | 3420.4 | 3431.0 |
| 9391.4  | 25°   | 7841.5 | 4646.1 | 2883.7 | 2919.1 | 3013.0 | 3149.4 | 3214.9 | 3223.7 | 3218.4 | 3234.4 |
| 9347.1  | 27.5° | 7533.3 | 3932.3 | 2649.9 | 2763.2 | 2883.7 | 3000.6 | 3036.0 | 3030.7 | 3020.1 | 3037.8 |
| 9270.9  | 30°   | 7161.3 | 3291.1 | 2501.1 | 2587.9 | 2752.6 | 2858.9 | 2890.7 | 2878.3 | 2857.1 | 2876.6 |
| 9232.0  | 32.5° | 6768.1 | 2766.8 | 2378.8 | 2465.6 | 2644.5 | 2749.0 | 2780.9 | 2768.5 | 2752.6 | 2768.5 |
| 9276.2  | 35°   | 6401.4 | 2400.1 | 2265.5 | 2384.2 | 2559.5 | 2662.2 | 2703.0 | 2704.8 | 2704.8 | 2724.2 |
| 9393.2  | 37.5° | 6064.9 | 2185.8 | 2171.6 | 2332.8 | 2501.1 | 2593.2 | 2651.6 | 2655.2 | 2579.0 | 2584.3 |
| 9591.5  | 40°   | 5753.2 | 2095.4 | 2129.1 | 2299.1 | 2444.4 | 2532.9 | 2536.5 | 2338.1 | 2198.2 | 2194.6 |
| 9818.3  | 42.5° | 5498.1 | 2077.7 | 2141.5 | 2295.6 | 2403.6 | 2407.2 | 2157.4 | 2003.3 | 1964.4 | 1966.1 |
| 10027.3 | 45°   | 5259.0 | 2072.4 | 2169.8 | 2295.6 | 2343.4 | 2079.5 | 1911.2 | 1870.5 | 1874.0 | 1888.2 |
| 10121.2 | 47.5° | 4991.5 | 2051.2 | 2175.1 | 2263.7 | 2169.8 | 1849.2 | 1799.6 | 1781.9 | 1774.8 | 1778.4 |
| 10099.9 | 50°   | 4699.2 | 1975.0 | 2107.8 | 2199.9 | 1872.3 | 1750.0 | 1688.0 | 1682.7 | 1691.6 | 1696.9 |
| 9981.2  | 52.5° | 4391.0 | 1851.0 | 1992.7 | 2084.8 | 1735.9 | 1663.2 | 1594.2 | 1606.6 | 1645.5 | 1657.9 |
| 9857.2  | 55°   | 4189.1 | 1705.8 | 1840.4 | 1854.5 | 1640.2 | 1581.8 | 1523.3 | 1551.7 | 1624.3 | 1647.3 |
| 9782.8  | 57.5° | 4136.0 | 1551.7 | 1666.8 | 1650.8 | 1518.0 | 1510.9 | 1475.5 | 1500.3 | 1592.4 | 1626.0 |
| 9779.3  | 60°   | 4120.0 | 1413.5 | 1496.7 | 1484.3 | 1399.3 | 1433.0 | 1424.1 | 1436.5 | 1468.4 | 1479.0 |
| 9743.9  | 62.5° | 3996.0 | 1303.7 | 1344.4 | 1326.7 | 1293.0 | 1351.5 | 1372.8 | 1346.2 | 1371.0 | 1383.4 |
| 9501.2  | 65°   | 3680.7 | 1215.1 | 1195.6 | 1183.2 | 1197.4 | 1250.5 | 1293.0 | 1239.9 | 1262.9 | 1298.4 |
| 8566.0  | 67.5° | 3160.0 | 1094.7 | 1041.5 | 1055.7 | 1100.0 | 1128.3 | 1183.2 | 1123.0 | 1142.5 | 1202.7 |
| 6899.2  | 70°   | 2556.0 | 942.3  | 894.5  | 935.2  | 977.8  | 1036.2 | 1045.1 | 1004.3 | 1050.4 | 1117.7 |
| 4210.4  | 72.5° | 1808.5 | 788.2  | 754.6  | 837.8  | 852.0  | 928.2  | 908.7  | 889.2  | 953.0  | 976.0  |
| 2081.3  | 75°   | 1254.1 | 635.9  | 616.4  | 680.2  | 731.5  | 797.1  | 782.9  | 805.9  | 940.6  | 951.2  |
| 1039.7  | 77.5° | 793.5  | 494.2  | 481.8  | 522.5  | 593.4  | 666.0  | 689.0  | 951.2  | 1606.6 | 1670.3 |
| 540.2   | 80°   | 460.5  | 368.4  | 354.3  | 386.1  | 448.1  | 515.4  | 664.2  | 1167.3 | 1059.2 | 1046.8 |
| 242.7   | 82.5° | 256.8  | 253.3  | 235.6  | 244.4  | 299.3  | 372.0  | 938.8  | 821.9  | 667.8  | 689.0  |
| 97.4    | 85°   | 120.4  | 148.8  | 127.5  | 122.2  | 168.3  | 435.7  | 627.0  | 469.4  | 311.7  | 304.7  |
| 21.3    | 87.5° | 31.9   | 28.3   | 28.3   | 31.9   | 70.9   | 375.5  | 249.8  | 200.2  | 118.7  | 115.1  |
| 0.0     | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF RI



