

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: P946040

Luminaire Tested: **GLAN-SB1D-760-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-760-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 9118 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

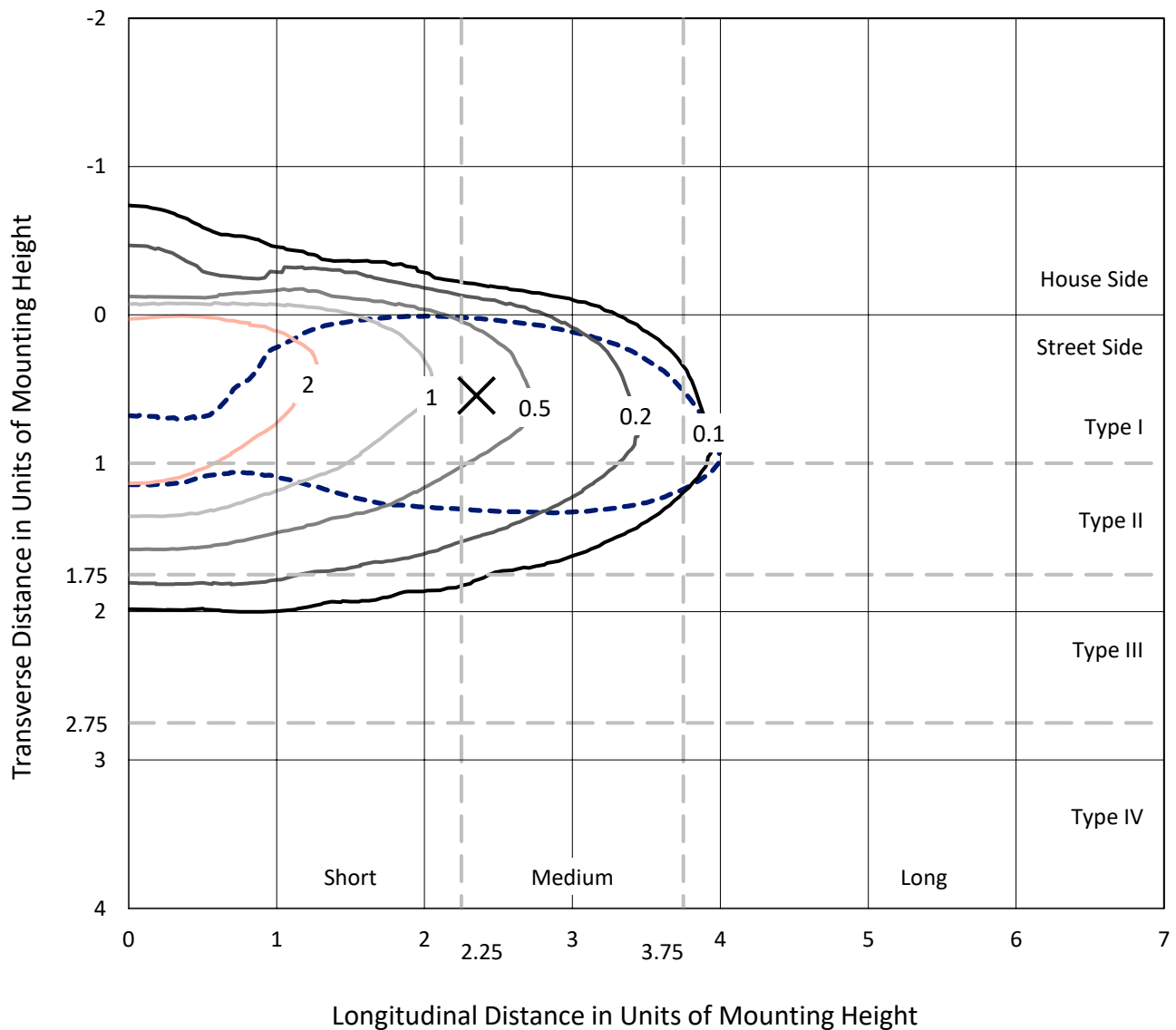
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

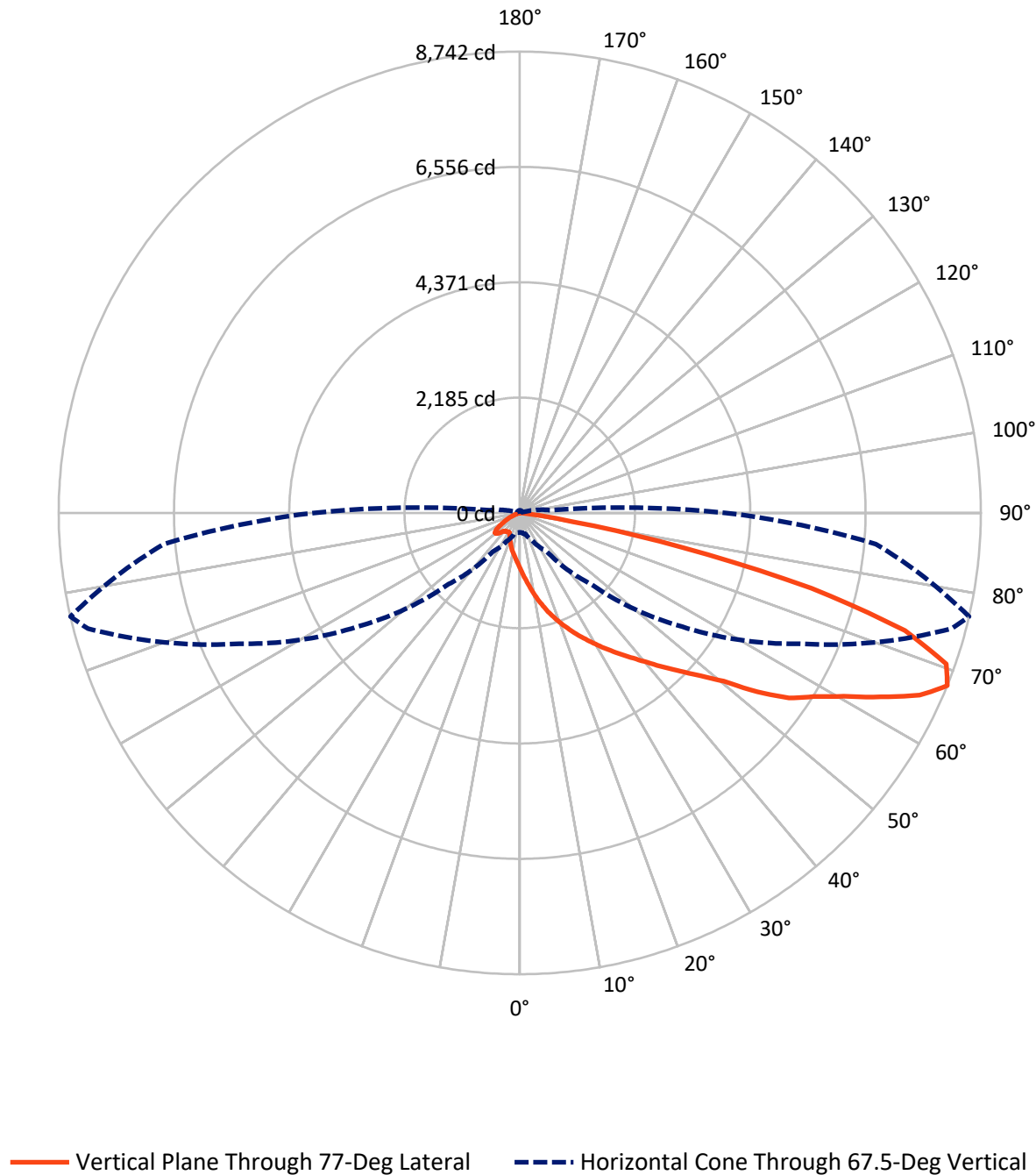
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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    | 670.8    | 0.0    | 670.8  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 8447.2   | 0.0    | 8447.2 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 9118.0   | 0.0    | 9118.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 107.3  | 1.2       |
| 10°-20°   | 375.8  | 4.1       |
| 20°-30°   | 725.2  | 8.0       |
| 30°-40°   | 1259.0 | 13.8      |
| 40°-50°   | 1828.0 | 20.0      |
| 50°-60°   | 2099.2 | 23.0      |
| 60°-70°   | 1822.5 | 20.0      |
| 70°-80°   | 858.4  | 9.4       |
| 80°-90°   | 42.5   | 0.5       |
| 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°    | 9118.0 | 100.0     |
| 0°-180°   | 9118.0 | 100.0     |

**Coefficient of Utilization**



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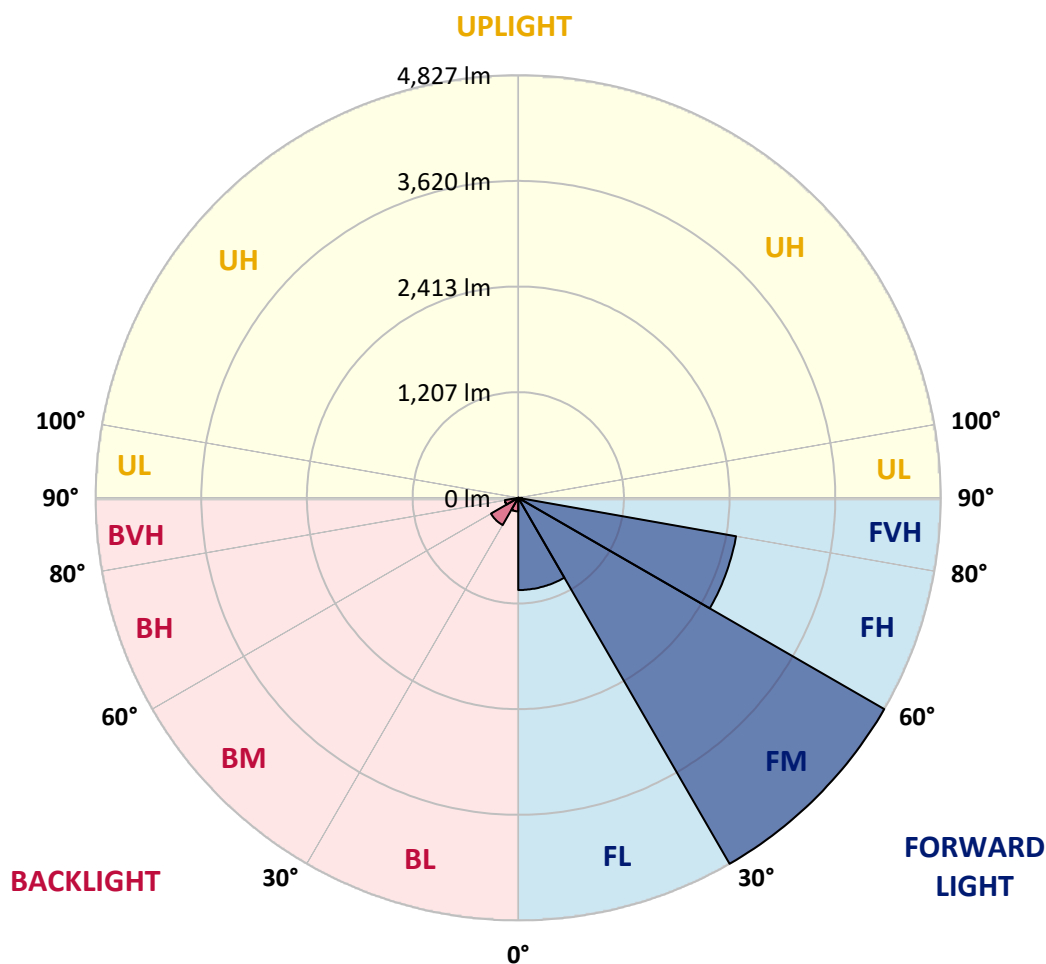
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1053.0 | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 4826.8 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 2525.7 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 41.7   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 155.3  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 359.4  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 155.3  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.8    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 |
| 2.5°  | 1455.7 | 1464.8 | 1451.7 | 1426.8 | 1389.5 | 1365.1 | 1305.7 | 1249.6 | 1187.3 | 1167.5 |
| 5°    | 1774.5 | 1782.4 | 1767.7 | 1740.5 | 1690.7 | 1643.1 | 1565.0 | 1447.8 | 1326.0 | 1287.0 |
| 7.5°  | 2010.6 | 2015.1 | 2009.5 | 1984.5 | 1937.0 | 1883.2 | 1796.0 | 1657.3 | 1476.7 | 1433.6 |
| 10°   | 2180.4 | 2195.2 | 2193.5 | 2183.8 | 2152.1 | 2108.5 | 2015.7 | 1857.7 | 1645.4 | 1589.9 |
| 12.5° | 2293.1 | 2309.5 | 2319.2 | 2340.7 | 2339.0 | 2311.2 | 2229.7 | 2062.7 | 1813.5 | 1748.4 |
| 15°   | 2326.0 | 2343.5 | 2380.3 | 2430.1 | 2474.3 | 2488.5 | 2431.3 | 2263.7 | 1998.7 | 1915.5 |
| 17.5° | 2307.3 | 2334.5 | 2378.6 | 2457.3 | 2554.1 | 2618.1 | 2611.9 | 2457.9 | 2166.9 | 2071.7 |
| 20°   | 2348.6 | 2374.7 | 2409.2 | 2475.4 | 2588.1 | 2704.2 | 2750.6 | 2643.6 | 2333.9 | 2234.2 |
| 22.5° | 2577.4 | 2572.8 | 2576.2 | 2587.0 | 2654.4 | 2769.3 | 2865.0 | 2812.3 | 2499.2 | 2397.3 |
| 25°   | 2939.7 | 2919.3 | 2884.8 | 2826.5 | 2809.5 | 2865.0 | 2964.6 | 2961.8 | 2673.6 | 2564.3 |
| 27.5° | 3355.3 | 3351.9 | 3271.0 | 3130.5 | 3051.3 | 3029.8 | 3077.3 | 3107.3 | 2846.3 | 2729.7 |
| 30°   | 3753.4 | 3762.4 | 3653.1 | 3496.9 | 3351.4 | 3267.0 | 3224.0 | 3245.5 | 3021.8 | 2908.0 |
| 32.5° | 4099.9 | 4109.5 | 3990.6 | 3807.7 | 3627.7 | 3525.7 | 3435.2 | 3381.9 | 3213.2 | 3089.2 |
| 35°   | 4392.6 | 4402.2 | 4265.8 | 4063.6 | 3871.7 | 3779.4 | 3676.9 | 3531.4 | 3405.7 | 3290.2 |
| 37.5° | 4654.2 | 4651.4 | 4468.5 | 4264.6 | 4076.1 | 4003.1 | 3949.3 | 3715.4 | 3603.9 | 3492.3 |
| 40°   | 4808.8 | 4820.7 | 4664.4 | 4439.6 | 4256.7 | 4203.5 | 4200.1 | 3943.6 | 3832.6 | 3724.5 |
| 42.5° | 4854.1 | 4875.0 | 4761.8 | 4577.2 | 4411.3 | 4353.5 | 4442.4 | 4190.5 | 4098.7 | 3993.4 |
| 45°   | 4772.5 | 4792.9 | 4741.4 | 4613.4 | 4516.6 | 4479.2 | 4650.8 | 4446.4 | 4383.0 | 4278.8 |
| 47.5° | 4534.7 | 4560.2 | 4572.7 | 4545.5 | 4544.3 | 4582.3 | 4837.6 | 4715.9 | 4720.4 | 4614.0 |
| 50°   | 4074.4 | 4117.4 | 4231.8 | 4328.1 | 4477.0 | 4663.8 | 5019.4 | 5008.1 | 5100.9 | 5009.2 |
| 52.5° | 3237.6 | 3298.7 | 3692.8 | 3956.1 | 4290.7 | 4648.5 | 5219.3 | 5476.9 | 5768.5 | 5634.3 |
| 55°   | 2601.7 | 2601.7 | 2922.2 | 3414.8 | 3927.2 | 4547.7 | 5306.5 | 5781.5 | 6223.1 | 6191.4 |
| 57.5° | 2121.0 | 2146.5 | 2350.9 | 2786.3 | 3401.2 | 4307.7 | 5360.2 | 5972.9 | 6589.5 | 6566.3 |
| 60°   | 1309.1 | 1364.0 | 1750.1 | 2179.9 | 2802.7 | 3880.2 | 5326.3 | 6166.5 | 7033.9 | 7052.6 |
| 62.5° | 737.2  | 757.6  | 929.7  | 1568.4 | 2179.3 | 3305.5 | 5066.4 | 6274.7 | 7602.4 | 7681.7 |
| 65°   | 509.0  | 519.2  | 585.5  | 976.1  | 1510.6 | 2631.7 | 4558.5 | 6207.3 | 8172.0 | 8332.2 |
| 67.5° | 369.7  | 374.8  | 416.2  | 596.2  | 896.3  | 1908.1 | 3762.4 | 5867.6 | 8473.8 | 8741.6 |
| 70°   | 284.2  | 287.6  | 317.6  | 391.8  | 529.4  | 1177.7 | 2732.5 | 5192.1 | 8255.2 | 8575.1 |
| 72.5° | 231.0  | 234.4  | 257.6  | 289.9  | 351.0  | 696.4  | 1656.1 | 4216.5 | 7290.4 | 7635.8 |
| 75°   | 194.8  | 199.3  | 220.3  | 241.2  | 275.2  | 447.3  | 776.8  | 2936.3 | 5482.5 | 5709.0 |
| 77.5° | 108.1  | 99.7   | 178.9  | 199.9  | 232.1  | 283.1  | 363.5  | 1728.1 | 3070.5 | 3133.4 |
| 80°   | 67.4   | 69.6   | 142.1  | 160.8  | 178.4  | 142.7  | 166.5  | 665.3  | 1064.5 | 1011.2 |
| 82.5° | 4.0    | 9.1    | 109.3  | 116.1  | 122.3  | 61.1   | 62.8   | 225.9  | 256.5  | 235.5  |
| 85°   | 0.0    | 0.0    | 49.8   | 40.2   | 42.5   | 17.6   | 18.1   | 52.7   | 34.5   | 37.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    | 1.7    | 3.4    | 4.5    | 1.7    | 2.3    |
| 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):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1051.4 | 0°    | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 | 1051.4 |
| 1105.2 | 2.5°  | 1065.6 | 1026.0 | 945.6  | 866.9  | 802.9  | 743.4  | 701.0  | 660.8  | 640.4  | 639.2  |
| 1176.6 | 5°    | 1097.9 | 1014.6 | 853.8  | 711.7  | 597.3  | 505.6  | 446.2  | 403.7  | 382.2  | 374.8  |
| 1264.3 | 7.5°  | 1143.2 | 1018.0 | 773.4  | 575.8  | 441.1  | 362.4  | 328.4  | 314.8  | 310.3  | 305.2  |
| 1363.4 | 10°   | 1200.4 | 1026.0 | 701.5  | 463.7  | 347.6  | 308.0  | 294.4  | 288.8  | 285.4  | 282.0  |
| 1475.0 | 12.5° | 1264.3 | 1033.3 | 630.2  | 385.0  | 305.7  | 285.4  | 275.7  | 268.9  | 264.4  | 260.5  |
| 1589.3 | 15°   | 1326.6 | 1037.9 | 556.0  | 330.1  | 284.2  | 267.8  | 257.6  | 250.3  | 244.0  | 239.5  |
| 1701.4 | 17.5° | 1388.3 | 1044.1 | 486.4  | 297.3  | 266.7  | 250.3  | 240.1  | 231.0  | 225.9  | 220.8  |
| 1819.2 | 20°   | 1456.8 | 1042.9 | 420.7  | 274.0  | 249.1  | 232.7  | 222.0  | 213.5  | 208.4  | 202.7  |
| 1943.8 | 22.5° | 1520.3 | 1037.3 | 362.9  | 254.2  | 231.0  | 215.2  | 203.3  | 194.8  | 189.7  | 185.1  |
| 2071.2 | 25°   | 1593.3 | 1032.8 | 314.8  | 236.1  | 214.0  | 198.2  | 185.1  | 177.2  | 171.6  | 167.6  |
| 2199.1 | 27.5° | 1663.5 | 1026.0 | 279.7  | 219.7  | 197.6  | 182.3  | 169.9  | 160.8  | 155.7  | 152.9  |
| 2331.1 | 30°   | 1732.6 | 1024.3 | 266.7  | 203.8  | 182.9  | 167.6  | 155.1  | 146.6  | 142.7  | 141.6  |
| 2476.0 | 32.5° | 1815.8 | 1028.8 | 272.3  | 198.2  | 169.3  | 154.0  | 142.1  | 135.9  | 131.9  | 131.9  |
| 2637.4 | 35°   | 1904.7 | 1027.7 | 280.8  | 203.3  | 160.2  | 140.4  | 131.4  | 127.4  | 123.4  | 123.4  |
| 2816.3 | 37.5° | 2016.2 | 1029.4 | 287.6  | 211.8  | 156.8  | 129.1  | 124.0  | 118.9  | 116.6  | 116.6  |
| 3012.2 | 40°   | 2182.7 | 1085.4 | 284.2  | 219.1  | 155.7  | 121.2  | 111.0  | 109.3  | 107.6  | 107.6  |
| 3233.6 | 42.5° | 2386.5 | 1207.1 | 288.8  | 219.7  | 155.1  | 115.5  | 101.9  | 105.3  | 101.4  | 100.8  |
| 3483.3 | 45°   | 2609.6 | 1340.2 | 317.6  | 207.8  | 154.6  | 112.7  | 97.4   | 101.4  | 95.1   | 95.1   |
| 3772.6 | 47.5° | 2831.0 | 1472.1 | 347.1  | 190.8  | 152.9  | 112.1  | 93.4   | 91.2   | 89.5   | 90.0   |
| 4149.7 | 50°   | 3136.2 | 1579.7 | 358.4  | 167.6  | 148.9  | 111.0  | 86.1   | 86.6   | 85.5   | 86.6   |
| 4681.4 | 52.5° | 3468.6 | 1602.4 | 344.8  | 141.6  | 137.6  | 107.6  | 81.0   | 83.2   | 82.7   | 83.8   |
| 5055.6 | 55°   | 3675.8 | 1578.0 | 284.8  | 117.8  | 120.0  | 94.0   | 75.9   | 80.4   | 80.4   | 80.4   |
| 5421.4 | 57.5° | 3889.8 | 1474.4 | 202.1  | 95.7   | 99.7   | 77.0   | 71.3   | 77.6   | 77.0   | 76.4   |
| 5861.9 | 60°   | 4043.8 | 1306.8 | 133.1  | 78.7   | 79.3   | 63.4   | 66.2   | 73.0   | 72.5   | 69.6   |
| 6316.0 | 62.5° | 4158.8 | 1121.6 | 85.5   | 66.8   | 60.6   | 57.2   | 60.6   | 66.2   | 64.0   | 57.8   |
| 6701.0 | 65°   | 4145.7 | 865.2  | 65.7   | 57.2   | 49.8   | 49.8   | 52.7   | 57.8   | 51.0   | 40.8   |
| 6774.6 | 67.5° | 3904.0 | 585.5  | 54.4   | 48.1   | 41.9   | 41.3   | 43.6   | 48.1   | 43.6   | 34.5   |
| 6397.5 | 70°   | 3472.0 | 382.8  | 43.6   | 37.4   | 33.4   | 30.6   | 35.1   | 41.3   | 36.8   | 27.7   |
| 5446.3 | 72.5° | 2818.0 | 233.3  | 32.8   | 27.2   | 24.3   | 19.8   | 27.7   | 34.0   | 29.4   | 20.4   |
| 3787.3 | 75°   | 1823.2 | 118.9  | 22.6   | 17.6   | 13.0   | 11.9   | 20.4   | 25.5   | 20.4   | 12.5   |
| 1680.5 | 77.5° | 697.6  | 49.8   | 12.5   | 7.9    | 6.8    | 5.7    | 11.3   | 15.3   | 8.5    | 2.8    |
| 325.6  | 80°   | 134.2  | 20.9   | 6.2    | 4.0    | 3.4    | 2.3    | 1.7    | 1.1    | 0.0    | 0.0    |
| 57.8   | 82.5° | 23.2   | 6.8    | 2.3    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 11.3   | 85°   | 7.9    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 4.0    | 87.5° | 2.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |

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| 180°   |
|--------|
| 1051.4 |
| 638.1  |
| 373.7  |
| 304.1  |
| 280.8  |
| 259.3  |
| 238.9  |
| 220.3  |
| 202.1  |
| 184.6  |
| 167.0  |
| 152.9  |
| 141.0  |
| 131.9  |
| 123.4  |
| 116.6  |
| 107.6  |
| 100.2  |
| 95.1   |
| 90.0   |
| 86.6   |
| 83.8   |
| 80.4   |
| 76.4   |
| 69.6   |
| 56.6   |
| 39.6   |
| 33.4   |
| 26.6   |
| 19.3   |
| 10.8   |
| 2.3    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |