

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: P952634

Luminaire Tested: **GLAN-SB6B-935-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952634  
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-SB6B-935-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20112 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - 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

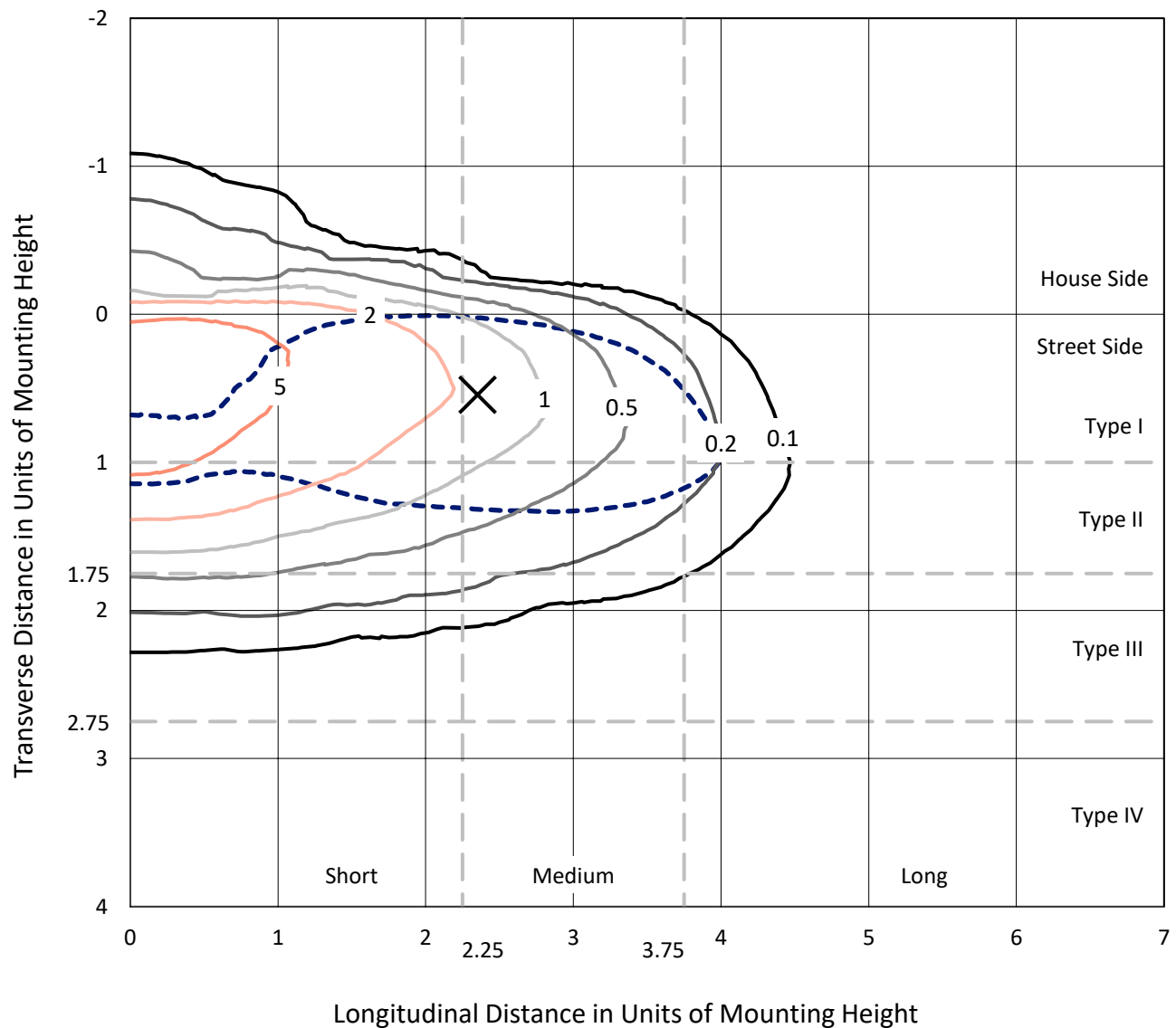


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## Iso-Footcandle Lines of Horizontal Illumination

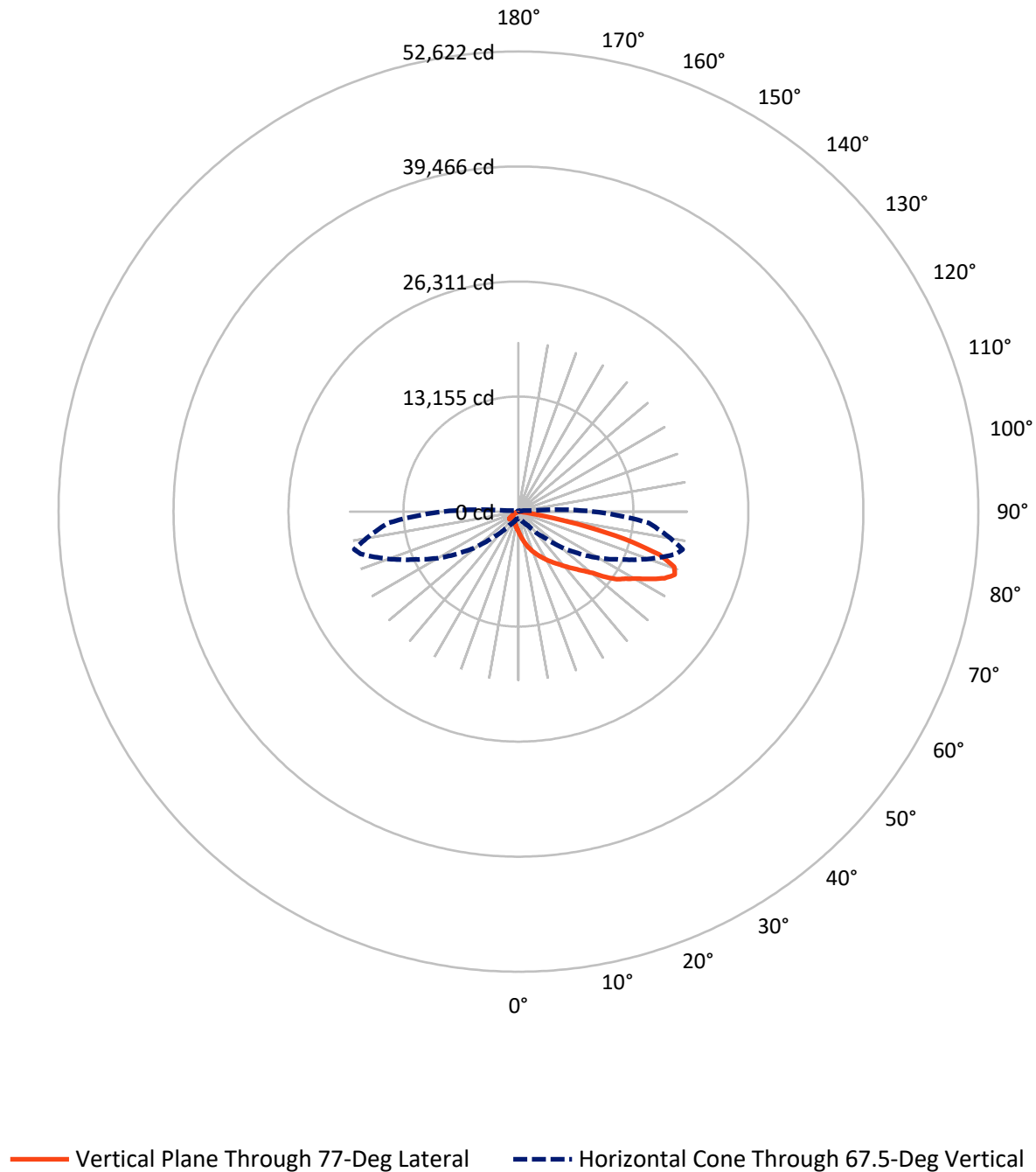
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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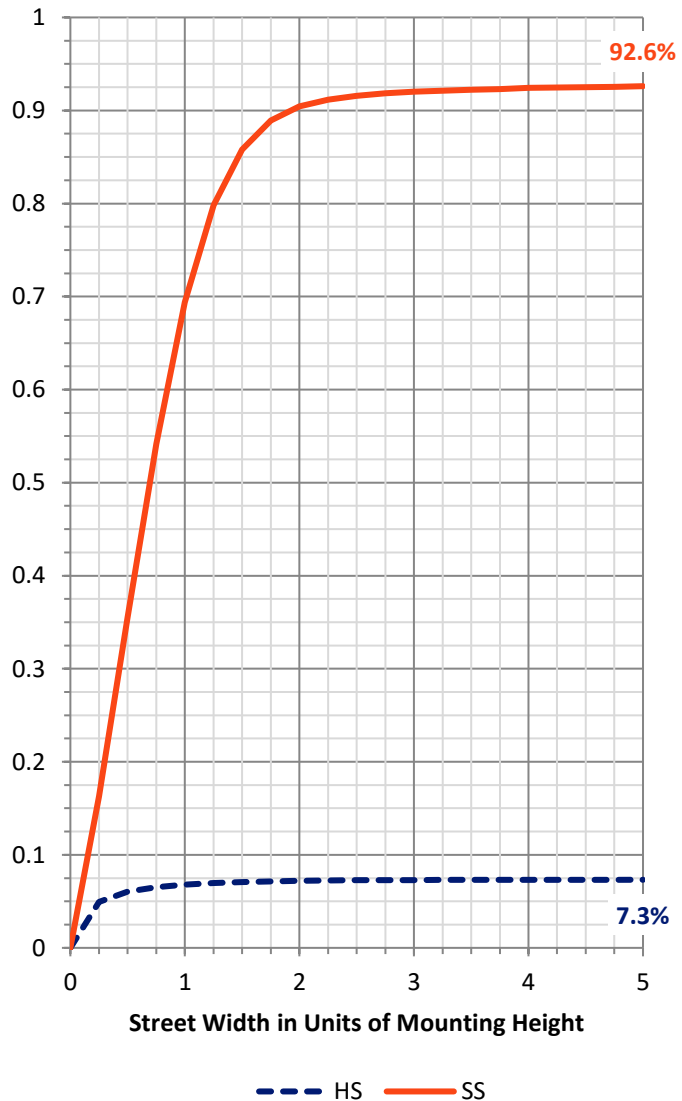
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1479.7   | 0.0    | 1479.7  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 18632.3  | 0.0    | 18632.3 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 20112.0  | 0.0    | 20112.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 236.7   | 1.2       |
| 10°-20°   | 828.9   | 4.1       |
| 20°-30°   | 1599.6  | 8.0       |
| 30°-40°   | 2777.0  | 13.8      |
| 40°-50°   | 4032.1  | 20.0      |
| 50°-60°   | 4630.4  | 23.0      |
| 60°-70°   | 4020.0  | 20.0      |
| 70°-80°   | 1893.5  | 9.4       |
| 80°-90°   | 93.6    | 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°    | 20112.0 | 100.0     |
| 0°-180°   | 20112.0 | 100.0     |

**Coefficient of Utilization**



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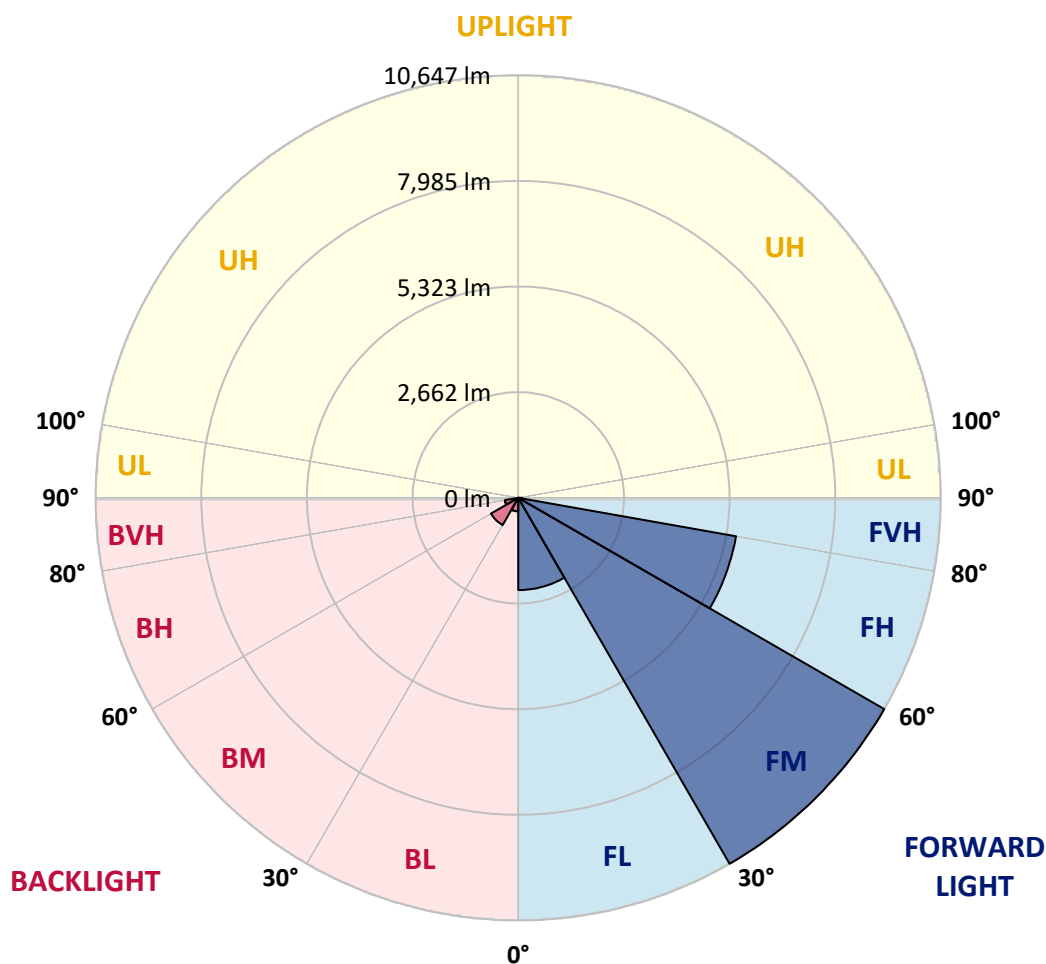
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2322.7  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 10646.7 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 5571.0  | 27.7      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 91.9    | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 342.6   | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 792.8   | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 342.6   | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 1.7     | 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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2319.2  | 2319.2  | 2319.2  | 2319.2  | 2319.2  | 2319.2  | 2319.2  | 2319.2  | 2319.2  | 2319.2  |
| 2.5°  | 3210.9  | 3230.9  | 3202.2  | 3147.2  | 3064.8  | 3011.1  | 2880.0  | 2756.3  | 2618.9  | 2575.2  |
| 5°    | 3914.1  | 3931.5  | 3899.1  | 3839.1  | 3729.2  | 3624.3  | 3452.0  | 3193.4  | 2924.9  | 2838.8  |
| 7.5°  | 4434.8  | 4444.8  | 4432.3  | 4377.4  | 4272.5  | 4153.8  | 3961.5  | 3655.5  | 3257.1  | 3162.2  |
| 10°   | 4809.5  | 4842.0  | 4838.2  | 4817.0  | 4747.1  | 4650.9  | 4446.1  | 4097.6  | 3629.3  | 3506.9  |
| 12.5° | 5058.0  | 5094.3  | 5115.5  | 5163.0  | 5159.2  | 5098.0  | 4918.2  | 4549.7  | 4000.2  | 3856.6  |
| 15°   | 5130.5  | 5169.2  | 5250.4  | 5360.3  | 5457.7  | 5488.9  | 5362.8  | 4993.1  | 4408.6  | 4225.0  |
| 17.5° | 5089.3  | 5149.2  | 5246.6  | 5420.2  | 5633.8  | 5774.9  | 5761.2  | 5421.5  | 4779.5  | 4569.7  |
| 20°   | 5180.4  | 5237.9  | 5314.1  | 5460.2  | 5708.7  | 5964.8  | 6067.2  | 5831.1  | 5148.0  | 4928.2  |
| 22.5° | 5685.0  | 5675.0  | 5682.5  | 5706.2  | 5854.8  | 6108.4  | 6319.4  | 6203.3  | 5512.6  | 5287.8  |
| 25°   | 6484.3  | 6439.3  | 6363.2  | 6234.5  | 6197.0  | 6319.4  | 6539.2  | 6533.0  | 5897.3  | 5656.3  |
| 27.5° | 7401.0  | 7393.5  | 7214.9  | 6905.2  | 6730.3  | 6682.9  | 6787.8  | 6854.0  | 6278.2  | 6021.0  |
| 30°   | 8279.0  | 8298.9  | 8057.9  | 7713.2  | 7392.2  | 7206.2  | 7111.2  | 7158.7  | 6665.4  | 6414.4  |
| 32.5° | 9043.3  | 9064.5  | 8802.3  | 8398.9  | 8001.7  | 7776.9  | 7577.1  | 7459.7  | 7087.5  | 6814.0  |
| 35°   | 9689.0  | 9710.2  | 9409.2  | 8963.4  | 8540.0  | 8336.4  | 8110.4  | 7789.4  | 7512.1  | 7257.4  |
| 37.5° | 10266.0 | 10259.7 | 9856.3  | 9406.7  | 8990.8  | 8829.7  | 8711.1  | 8195.3  | 7949.3  | 7703.2  |
| 40°   | 10606.9 | 10633.1 | 10288.4 | 9792.6  | 9389.2  | 9271.8  | 9264.3  | 8698.6  | 8453.8  | 8215.3  |
| 42.5° | 10706.8 | 10753.0 | 10503.3 | 10096.1 | 9730.2  | 9602.8  | 9798.9  | 9243.1  | 9040.8  | 8808.5  |
| 45°   | 10527.0 | 10571.9 | 10458.3 | 10176.0 | 9962.5  | 9880.1  | 10258.5 | 9807.6  | 9667.7  | 9437.9  |
| 47.5° | 10002.4 | 10058.6 | 10086.1 | 10026.2 | 10023.7 | 10107.4 | 10670.6 | 10402.1 | 10412.1 | 10177.3 |
| 50°   | 8987.1  | 9082.0  | 9334.3  | 9546.6  | 9875.1  | 10287.2 | 11071.5 | 11046.5 | 11251.3 | 11049.0 |
| 52.5° | 7141.2  | 7276.1  | 8145.3  | 8726.1  | 9464.2  | 10253.5 | 11512.4 | 12080.6 | 12723.8 | 12427.8 |
| 55°   | 5738.7  | 5738.7  | 6445.6  | 7532.1  | 8662.4  | 10031.2 | 11704.7 | 12752.5 | 13726.7 | 13656.7 |
| 57.5° | 4678.4  | 4734.6  | 5185.4  | 6145.8  | 7502.1  | 9501.6  | 11823.3 | 13174.7 | 14534.7 | 14483.5 |
| 60°   | 2887.5  | 3008.6  | 3860.4  | 4808.3  | 6182.1  | 8558.7  | 11748.4 | 13601.8 | 15515.1 | 15556.3 |
| 62.5° | 1626.1  | 1671.0  | 2050.7  | 3459.5  | 4807.0  | 7291.1  | 11175.2 | 13840.3 | 16769.0 | 16943.8 |
| 65°   | 1122.8  | 1145.2  | 1291.4  | 2153.1  | 3332.1  | 5804.9  | 10054.9 | 13691.7 | 18025.4 | 18378.8 |
| 67.5° | 815.5   | 826.8   | 917.9   | 1315.1  | 1977.0  | 4208.8  | 8298.9  | 12942.4 | 18691.1 | 19281.8 |
| 70°   | 626.9   | 634.4   | 700.6   | 864.2   | 1167.7  | 2597.7  | 6027.2  | 11452.4 | 18209.0 | 18914.6 |
| 72.5° | 509.6   | 517.0   | 568.2   | 639.4   | 774.3   | 1536.1  | 3653.0  | 9300.6  | 16080.8 | 16842.7 |
| 75°   | 429.6   | 439.6   | 485.8   | 532.0   | 607.0   | 986.6   | 1713.5  | 6476.8  | 12093.1 | 12592.7 |
| 77.5° | 238.5   | 219.8   | 394.7   | 440.9   | 512.0   | 624.5   | 801.8   | 3811.6  | 6772.8  | 6911.4  |
| 80°   | 148.6   | 153.6   | 313.5   | 354.7   | 393.4   | 314.7   | 367.2   | 1467.5  | 2347.9  | 2230.5  |
| 82.5° | 8.7     | 20.0    | 241.0   | 256.0   | 269.8   | 134.9   | 138.6   | 498.3   | 565.8   | 519.5   |
| 85°   | 0.0     | 0.0     | 109.9   | 88.7    | 93.7    | 38.7    | 40.0    | 116.1   | 76.2    | 82.4    |
| 87.5° | 0.0     | 0.0     | 0.0     | 2.5     | 0.0     | 3.7     | 7.5     | 10.0    | 3.7     | 5.0     |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2319.2  | 0°    | 2319.2 | 2319.2 | 2319.2 | 2319.2 | 2319.2 | 2319.2 | 2319.2 | 2319.2 | 2319.2 | 2319.2 |
| 2437.9  | 2.5°  | 2350.4 | 2263.0 | 2085.7 | 1912.1 | 1770.9 | 1639.8 | 1546.1 | 1457.5 | 1412.5 | 1410.0 |
| 2595.2  | 5°    | 2421.6 | 2238.0 | 1883.3 | 1569.9 | 1317.6 | 1115.3 | 984.1  | 890.5  | 843.0  | 826.8  |
| 2788.8  | 7.5°  | 2521.5 | 2245.5 | 1706.0 | 1270.1 | 972.9  | 799.3  | 724.4  | 694.4  | 684.4  | 673.2  |
| 3007.4  | 10°   | 2647.7 | 2263.0 | 1547.4 | 1022.8 | 766.8  | 679.4  | 649.4  | 636.9  | 629.4  | 622.0  |
| 3253.4  | 12.5° | 2788.8 | 2279.2 | 1390.0 | 849.3  | 674.4  | 629.4  | 608.2  | 593.2  | 583.2  | 574.5  |
| 3505.7  | 15°   | 2926.2 | 2289.2 | 1226.4 | 728.1  | 626.9  | 590.7  | 568.2  | 552.0  | 538.3  | 528.3  |
| 3752.9  | 17.5° | 3062.3 | 2303.0 | 1072.8 | 655.7  | 588.2  | 552.0  | 529.5  | 509.6  | 498.3  | 487.1  |
| 4012.7  | 20°   | 3213.4 | 2300.5 | 927.9  | 604.5  | 549.5  | 513.3  | 489.6  | 470.8  | 459.6  | 447.1  |
| 4287.5  | 22.5° | 3353.3 | 2288.0 | 800.5  | 560.8  | 509.6  | 474.6  | 448.4  | 429.6  | 418.4  | 408.4  |
| 4568.5  | 25°   | 3514.4 | 2278.0 | 694.4  | 520.8  | 472.1  | 437.1  | 408.4  | 390.9  | 378.4  | 369.7  |
| 4850.7  | 27.5° | 3669.3 | 2263.0 | 617.0  | 484.6  | 435.9  | 402.1  | 374.7  | 354.7  | 343.4  | 337.2  |
| 5141.7  | 30°   | 3821.6 | 2259.3 | 588.2  | 449.6  | 403.4  | 369.7  | 342.2  | 323.5  | 314.7  | 312.2  |
| 5461.4  | 32.5° | 4005.2 | 2269.3 | 600.7  | 437.1  | 373.4  | 339.7  | 313.5  | 299.7  | 291.0  | 291.0  |
| 5817.4  | 35°   | 4201.3 | 2266.8 | 619.5  | 448.4  | 353.4  | 309.7  | 289.7  | 281.0  | 272.3  | 272.3  |
| 6212.0  | 37.5° | 4447.3 | 2270.5 | 634.4  | 467.1  | 345.9  | 284.7  | 273.5  | 262.3  | 257.3  | 257.3  |
| 6644.2  | 40°   | 4814.5 | 2394.1 | 626.9  | 483.3  | 343.4  | 267.3  | 244.8  | 241.0  | 237.3  | 237.3  |
| 7132.5  | 42.5° | 5264.1 | 2662.7 | 636.9  | 484.6  | 342.2  | 254.8  | 224.8  | 232.3  | 223.6  | 222.3  |
| 7683.2  | 45°   | 5756.2 | 2956.1 | 700.6  | 458.3  | 340.9  | 248.5  | 214.8  | 223.6  | 209.8  | 209.8  |
| 8321.4  | 47.5° | 6244.5 | 3247.1 | 765.6  | 420.9  | 337.2  | 247.3  | 206.1  | 201.1  | 197.3  | 198.6  |
| 9153.2  | 50°   | 6917.7 | 3484.4 | 790.6  | 369.7  | 328.5  | 244.8  | 189.8  | 191.1  | 188.6  | 191.1  |
| 10325.9 | 52.5° | 7650.8 | 3534.4 | 760.6  | 312.2  | 303.5  | 237.3  | 178.6  | 183.6  | 182.3  | 184.8  |
| 11151.4 | 55°   | 8107.9 | 3480.7 | 628.2  | 259.8  | 264.8  | 207.3  | 167.4  | 177.3  | 177.3  | 177.3  |
| 11958.2 | 57.5° | 8580.0 | 3252.1 | 445.9  | 211.1  | 219.8  | 169.9  | 157.4  | 171.1  | 169.9  | 168.6  |
| 12929.9 | 60°   | 8919.7 | 2882.5 | 293.5  | 173.6  | 174.8  | 139.9  | 146.1  | 161.1  | 159.9  | 153.6  |
| 13931.5 | 62.5° | 9173.2 | 2474.1 | 188.6  | 147.4  | 133.6  | 126.1  | 133.6  | 146.1  | 141.1  | 127.4  |
| 14780.7 | 65°   | 9144.5 | 1908.3 | 144.9  | 126.1  | 109.9  | 109.9  | 116.1  | 127.4  | 112.4  | 89.9   |
| 14943.1 | 67.5° | 8611.2 | 1291.4 | 119.9  | 106.2  | 92.4   | 91.2   | 96.2   | 106.2  | 96.2   | 76.2   |
| 14111.3 | 70°   | 7658.3 | 844.3  | 96.2   | 82.4   | 73.7   | 67.4   | 77.4   | 91.2   | 81.2   | 61.2   |
| 12013.2 | 72.5° | 6215.8 | 514.5  | 72.4   | 59.9   | 53.7   | 43.7   | 61.2   | 74.9   | 64.9   | 45.0   |
| 8353.9  | 75°   | 4021.5 | 262.3  | 50.0   | 38.7   | 28.7   | 26.2   | 45.0   | 56.2   | 45.0   | 27.5   |
| 3706.7  | 77.5° | 1538.6 | 109.9  | 27.5   | 17.5   | 15.0   | 12.5   | 25.0   | 33.7   | 18.7   | 6.2    |
| 718.1   | 80°   | 296.0  | 46.2   | 13.7   | 8.7    | 7.5    | 5.0    | 3.7    | 2.5    | 0.0    | 0.0    |
| 127.4   | 82.5° | 51.2   | 15.0   | 5.0    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 25.0    | 85°   | 17.5   | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 8.7     | 87.5° | 6.2    | 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°   |
|--------|
| 2319.2 |
| 1407.5 |
| 824.3  |
| 670.7  |
| 619.5  |
| 572.0  |
| 527.0  |
| 485.8  |
| 445.9  |
| 407.1  |
| 368.4  |
| 337.2  |
| 311.0  |
| 291.0  |
| 272.3  |
| 257.3  |
| 237.3  |
| 221.1  |
| 209.8  |
| 198.6  |
| 191.1  |
| 184.8  |
| 177.3  |
| 168.6  |
| 153.6  |
| 124.9  |
| 87.4   |
| 73.7   |
| 58.7   |
| 42.5   |
| 23.7   |
| 5.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |