

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: P952804

Luminaire Tested: **GLAN-SB6C-750-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-750-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 36720 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9  
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

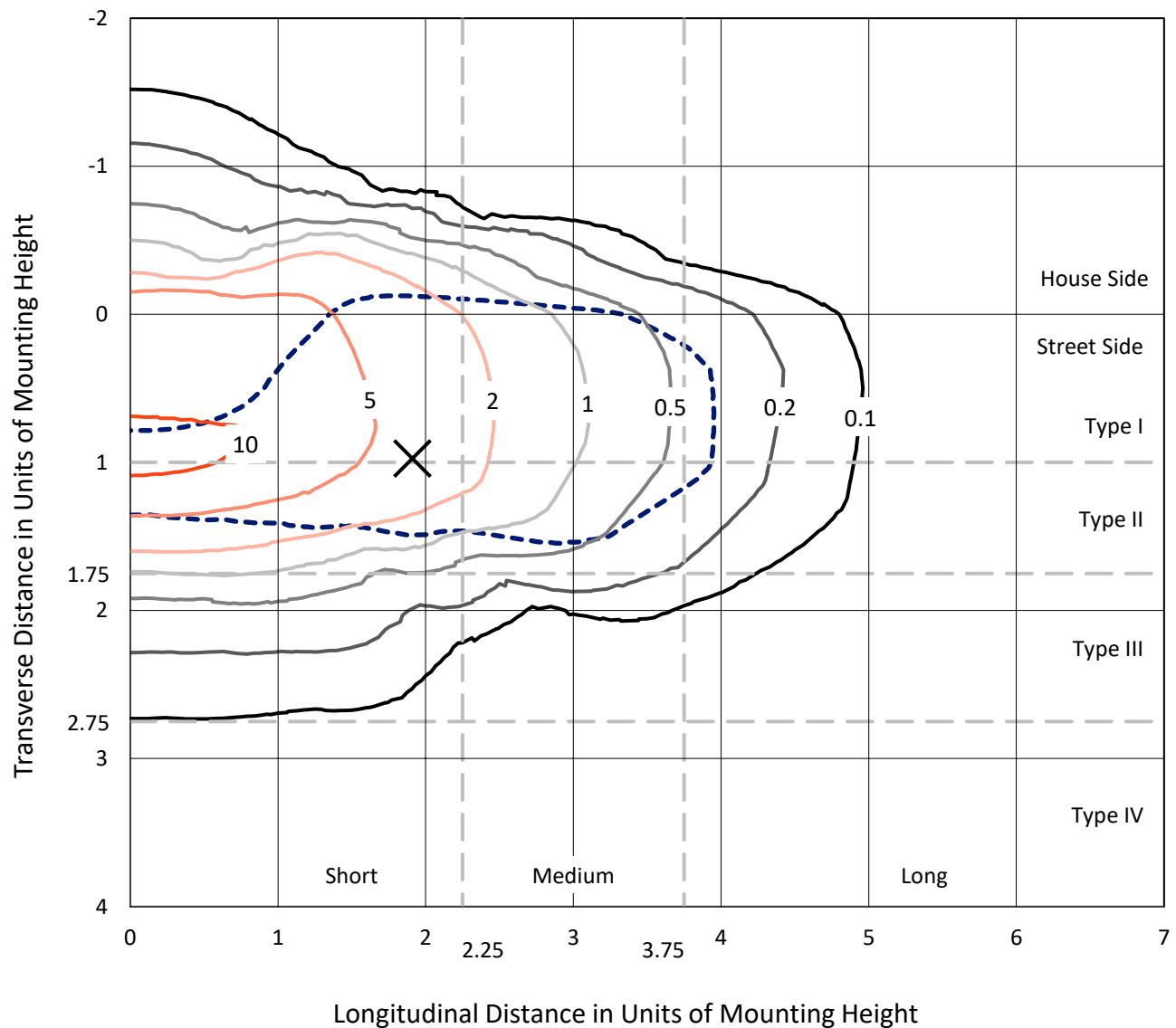


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## Iso-Footcandle Lines of Horizontal Illumination

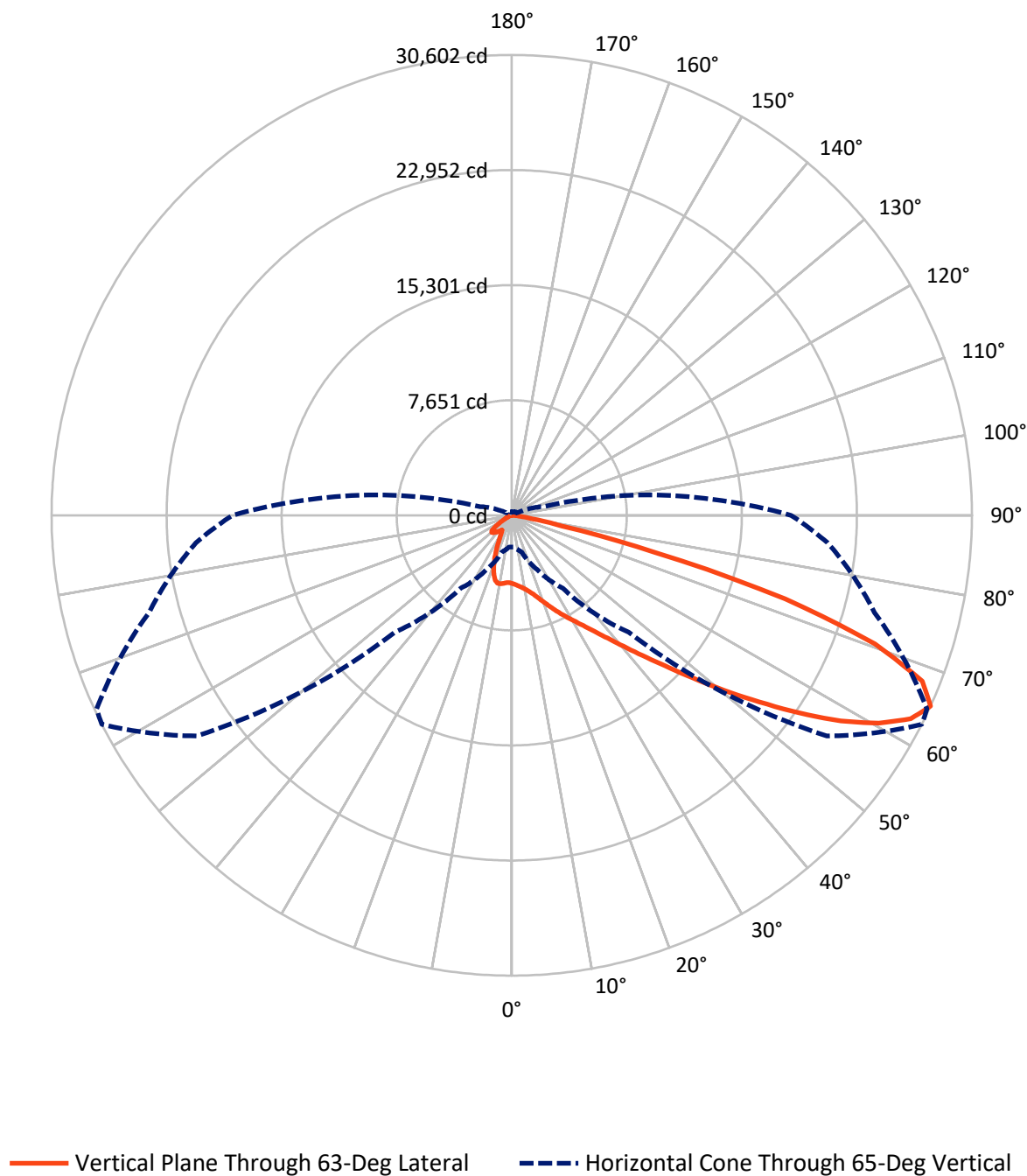
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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    | 5397.6   | 0.0    | 5397.6  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 31322.4  | 0.0    | 31322.4 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 36720.0  | 0.0    | 36720.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 427.0   | 1.2       |
| 10°-20°   | 1184.8  | 3.2       |
| 20°-30°   | 2063.0  | 5.6       |
| 30°-40°   | 3718.3  | 10.1      |
| 40°-50°   | 7374.5  | 20.1      |
| 50°-60°   | 10045.3 | 27.4      |
| 60°-70°   | 8018.1  | 21.8      |
| 70°-80°   | 3628.4  | 9.9       |
| 80°-90°   | 260.8   | 0.7       |
| 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°    | 36720.0 | 100.0     |
| 0°-180°   | 36720.0 | 100.0     |

**Coefficient of Utilization**



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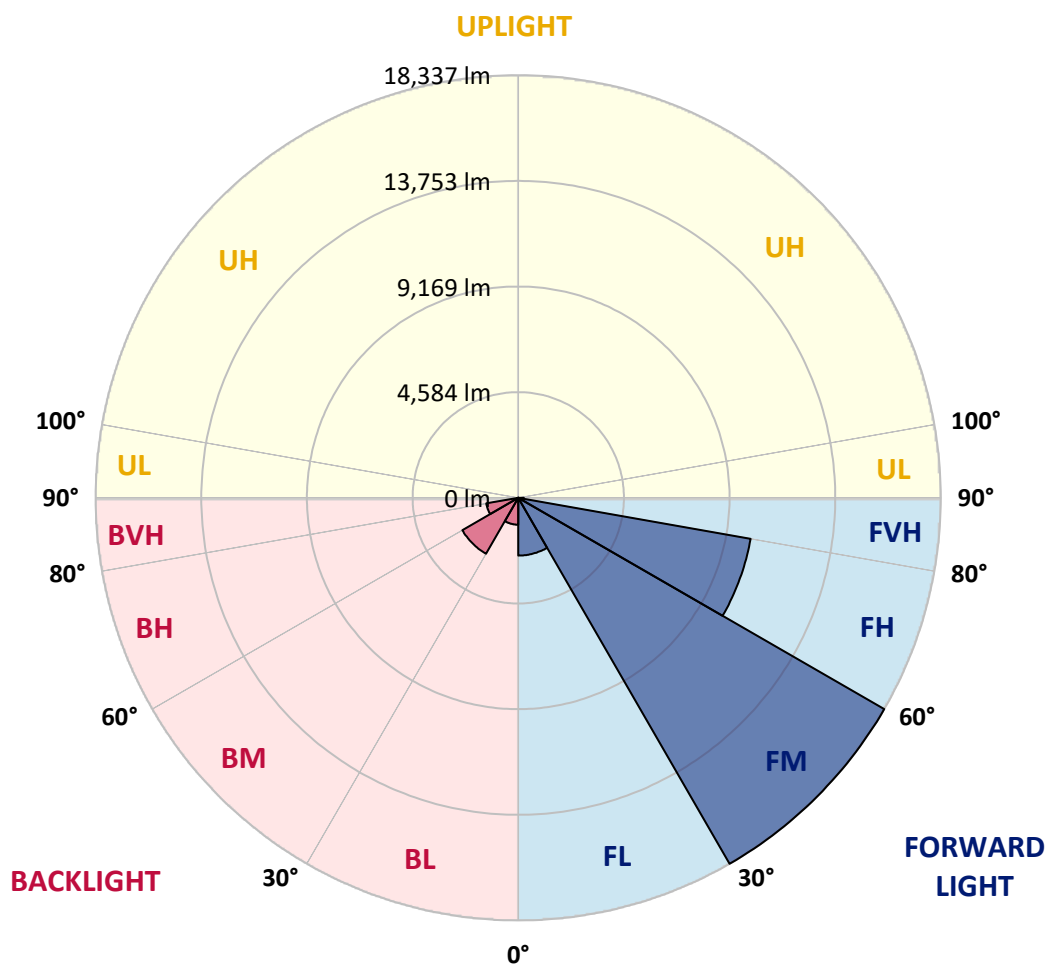
CATALOG NUMBER: GLAN-SB6C-750-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2506.6  | 6.8       |                         |      |          |
| FM   | (30°-60°)   | 18337.0 | 49.9      |                         |      |          |
| FH   | (60°-80°)   | 10237.4 | 27.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 241.5   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1168.1  | 3.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2801.0  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1409.1  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 19.4    | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4531.9  | 4531.9  | 4531.9  | 4531.9  | 4531.9  | 4531.9  | 4531.9  | 4531.9  | 4531.9  | 4531.9  |
| 2.5°  | 4638.0  | 4625.4  | 4643.1  | 4635.5  | 4630.5  | 4620.4  | 4615.3  | 4610.3  | 4600.1  | 4592.6  |
| 5°    | 4650.7  | 4643.1  | 4660.8  | 4675.9  | 4691.1  | 4706.2  | 4713.8  | 4723.9  | 4713.8  | 4693.6  |
| 7.5°  | 4544.6  | 4539.5  | 4577.4  | 4622.9  | 4691.1  | 4749.2  | 4812.3  | 4847.7  | 4850.2  | 4842.7  |
| 10°   | 4537.0  | 4524.4  | 4562.3  | 4617.8  | 4706.2  | 4809.8  | 4921.0  | 4996.8  | 5006.9  | 5039.7  |
| 12.5° | 4655.7  | 4643.1  | 4696.1  | 4756.8  | 4847.7  | 4956.3  | 5092.8  | 5198.8  | 5214.0  | 5259.5  |
| 15°   | 4855.3  | 4837.6  | 4898.2  | 4976.5  | 5092.8  | 5216.5  | 5360.5  | 5456.5  | 5469.1  | 5524.7  |
| 17.5° | 5087.7  | 5070.0  | 5140.7  | 5224.1  | 5350.4  | 5519.7  | 5686.4  | 5792.5  | 5807.7  | 5843.0  |
| 20°   | 5385.8  | 5363.1  | 5418.6  | 5494.4  | 5628.3  | 5830.4  | 6030.0  | 6181.5  | 6179.0  | 6179.0  |
| 22.5° | 5731.9  | 5696.5  | 5744.5  | 5805.1  | 5931.4  | 6176.5  | 6441.7  | 6621.1  | 6621.1  | 6550.3  |
| 25°   | 6103.2  | 6067.9  | 6120.9  | 6176.5  | 6287.6  | 6565.5  | 6876.2  | 7098.5  | 7108.6  | 6987.4  |
| 27.5° | 6568.0  | 6522.6  | 6563.0  | 6628.7  | 6694.3  | 6977.3  | 7346.1  | 7603.8  | 7608.8  | 7421.9  |
| 30°   | 7462.3  | 7333.5  | 7207.2  | 7136.4  | 7166.7  | 7447.1  | 7841.2  | 8126.7  | 8151.9  | 7894.3  |
| 32.5° | 9099.2  | 9074.0  | 8629.4  | 8048.4  | 7745.2  | 7952.4  | 8394.4  | 8738.0  | 8753.2  | 8422.2  |
| 35°   | 11643.1 | 11612.8 | 10897.9 | 9791.4  | 8803.7  | 8629.4  | 9066.4  | 9473.1  | 9463.0  | 9089.1  |
| 37.5° | 14679.6 | 14651.8 | 13709.5 | 12229.2 | 10630.1 | 9652.5  | 9932.9  | 10359.8 | 10423.0 | 9932.9  |
| 40°   | 17273.9 | 17170.4 | 16574.2 | 15146.9 | 13055.2 | 11350.1 | 11165.7 | 11448.6 | 11514.3 | 10933.2 |
| 42.5° | 19239.3 | 19150.9 | 18847.7 | 17956.0 | 15990.6 | 13861.1 | 12618.2 | 12726.8 | 12800.1 | 12102.9 |
| 45°   | 20257.3 | 20237.1 | 20358.4 | 20275.0 | 18981.6 | 16943.0 | 14694.7 | 14242.5 | 14270.3 | 13398.8 |
| 47.5° | 20401.3 | 20391.2 | 20944.4 | 21727.6 | 21553.2 | 20419.0 | 17359.8 | 16132.1 | 16033.6 | 14861.4 |
| 50°   | 19552.5 | 19532.3 | 20593.3 | 22061.0 | 23271.0 | 23339.2 | 20386.2 | 18261.7 | 18044.4 | 16374.6 |
| 52.5° | 16841.9 | 16836.9 | 18580.0 | 21022.8 | 23874.8 | 25895.7 | 23377.1 | 20600.9 | 20237.1 | 17976.2 |
| 55°   | 12959.2 | 13052.7 | 15050.9 | 17938.3 | 22773.4 | 27126.0 | 26062.5 | 23197.8 | 22639.5 | 19587.9 |
| 57.5° | 9180.1  | 9316.5  | 11292.0 | 13863.6 | 19358.0 | 26398.4 | 27878.8 | 25799.7 | 25198.5 | 21194.5 |
| 60°   | 4931.1  | 5052.3  | 7030.3  | 10099.6 | 14401.7 | 23685.3 | 28836.2 | 28058.1 | 27489.7 | 22720.3 |
| 62.5° | 2937.9  | 2978.3  | 3796.8  | 6520.0  | 9740.9  | 18094.9 | 28429.5 | 29778.4 | 29311.1 | 24001.1 |
| 65°   | 2109.3  | 2116.9  | 2528.7  | 3981.2  | 5913.8  | 10993.9 | 25577.4 | 30602.0 | 30458.0 | 24966.1 |
| 67.5° | 1775.9  | 1770.8  | 1942.6  | 2644.9  | 4029.2  | 5507.0  | 19603.0 | 29437.4 | 30048.7 | 25577.4 |
| 70°   | 1523.3  | 1530.9  | 1732.9  | 1937.6  | 3028.9  | 3117.3  | 9745.9  | 25630.5 | 26934.0 | 25739.1 |
| 72.5° | 1134.2  | 1159.5  | 1346.4  | 1765.8  | 2286.2  | 2144.7  | 3364.9  | 19004.3 | 21361.3 | 24251.2 |
| 75°   | 800.8   | 813.4   | 947.3   | 1485.4  | 1705.2  | 1561.2  | 1717.8  | 9824.3  | 12845.6 | 18592.6 |
| 77.5° | 616.4   | 639.1   | 717.4   | 1038.3  | 1679.9  | 1096.4  | 1050.9  | 3400.2  | 5224.1  | 11231.3 |
| 80°   | 333.5   | 373.9   | 517.9   | 750.3   | 1179.7  | 775.5   | 520.4   | 1354.0  | 1770.8  | 5251.9  |
| 82.5° | 171.8   | 192.0   | 361.2   | 540.6   | 672.0   | 677.0   | 257.7   | 563.3   | 730.1   | 1621.8  |
| 85°   | 68.2    | 83.4    | 242.5   | 298.1   | 346.1   | 333.5   | 116.2   | 227.4   | 262.7   | 449.7   |
| 87.5° | 15.2    | 25.3    | 88.4    | 68.2    | 65.7    | 70.7    | 27.8    | 53.0    | 50.5    | 53.0    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4531.9  | 0°    | 4531.9  | 4531.9  | 4531.9 | 4531.9 | 4531.9 | 4531.9 | 4531.9 | 4531.9 | 4531.9 | 4531.9 |
| 4562.3  | 2.5°  | 4559.7  | 4549.6  | 4521.8 | 4491.5 | 4456.2 | 4435.9 | 4423.3 | 4420.8 | 4403.1 | 4390.5 |
| 4663.3  | 5°    | 4635.5  | 4625.4  | 4572.4 | 4509.2 | 4441.0 | 4388.0 | 4337.4 | 4292.0 | 4226.3 | 4213.6 |
| 4809.8  | 7.5°  | 4787.1  | 4759.3  | 4673.4 | 4587.5 | 4458.7 | 4304.6 | 4117.7 | 3902.9 | 3710.9 | 3652.8 |
| 5004.3  | 10°   | 4974.0  | 4936.1  | 4827.5 | 4675.9 | 4390.5 | 3971.1 | 3518.9 | 3099.6 | 2766.2 | 2672.7 |
| 5234.2  | 12.5° | 5186.2  | 5153.4  | 5009.4 | 4729.0 | 4105.0 | 3344.6 | 2652.5 | 2132.1 | 1808.7 | 1727.9 |
| 5479.3  | 15°   | 5438.8  | 5390.8  | 5191.3 | 4648.1 | 3594.7 | 2541.3 | 1821.4 | 1513.2 | 1397.0 | 1381.8 |
| 5759.7  | 17.5° | 5706.6  | 5628.3  | 5352.9 | 4357.6 | 2907.6 | 1806.2 | 1407.1 | 1318.7 | 1268.1 | 1253.0 |
| 6042.6  | 20°   | 5951.6  | 5850.6  | 5448.9 | 3918.1 | 2172.5 | 1407.1 | 1260.6 | 1202.5 | 1157.0 | 1139.3 |
| 6325.5  | 22.5° | 6196.7  | 6052.7  | 5448.9 | 3319.4 | 1629.4 | 1247.9 | 1157.0 | 1103.9 | 1050.9 | 1028.1 |
| 6628.7  | 25°   | 6451.8  | 6259.8  | 5352.9 | 2652.5 | 1311.1 | 1144.4 | 1058.5 | 1000.4 | 954.9  | 927.1  |
| 6916.6  | 27.5° | 6699.4  | 6434.1  | 5133.2 | 2020.9 | 1167.1 | 1053.4 | 967.5  | 911.9  | 869.0  | 848.8  |
| 7229.9  | 30°   | 6934.3  | 6605.9  | 4825.0 | 1533.4 | 1073.6 | 965.0  | 884.2  | 836.2  | 793.2  | 773.0  |
| 7636.6  | 32.5° | 7252.6  | 6823.2  | 4496.6 | 1258.0 | 992.8  | 881.6  | 808.4  | 762.9  | 725.0  | 709.9  |
| 8164.6  | 35°   | 7694.7  | 7144.0  | 4213.6 | 1235.3 | 924.6  | 813.4  | 740.2  | 697.2  | 659.3  | 646.7  |
| 8846.6  | 37.5° | 8321.2  | 7661.9  | 4064.6 | 1386.9 | 869.0  | 752.8  | 684.6  | 639.1  | 603.8  | 593.6  |
| 9713.1  | 40°   | 9094.2  | 8364.1  | 4145.4 | 1538.4 | 831.1  | 699.7  | 634.1  | 588.6  | 558.3  | 545.7  |
| 10708.4 | 42.5° | 10011.2 | 9230.6  | 4592.6 | 1654.6 | 805.8  | 654.3  | 586.1  | 535.5  | 515.3  | 510.3  |
| 11837.6 | 45°   | 11064.6 | 10183.0 | 5277.2 | 1778.4 | 765.4  | 611.3  | 538.1  | 500.2  | 485.0  | 482.5  |
| 13065.3 | 47.5° | 12262.0 | 11228.8 | 6070.4 | 1932.5 | 725.0  | 570.9  | 500.2  | 474.9  | 462.3  | 457.2  |
| 14346.1 | 50°   | 13449.3 | 12282.2 | 6886.3 | 2018.4 | 692.2  | 533.0  | 469.9  | 449.7  | 439.6  | 437.0  |
| 15700.1 | 52.5° | 14692.2 | 13365.9 | 7545.7 | 1937.6 | 664.4  | 502.7  | 444.6  | 429.4  | 419.3  | 416.8  |
| 16948.0 | 55°   | 15877.0 | 14242.5 | 7659.3 | 1644.5 | 608.8  | 472.4  | 416.8  | 409.2  | 396.6  | 396.6  |
| 18213.7 | 57.5° | 16897.5 | 14682.1 | 6856.0 | 1207.5 | 553.2  | 426.9  | 389.0  | 381.5  | 371.3  | 368.8  |
| 19355.5 | 60°   | 17834.7 | 14555.8 | 5292.3 | 813.4  | 492.6  | 381.5  | 353.7  | 348.6  | 338.5  | 325.9  |
| 20348.3 | 62.5° | 18362.7 | 14000.0 | 3620.0 | 530.5  | 432.0  | 333.5  | 313.2  | 310.7  | 288.0  | 262.7  |
| 21083.4 | 65°   | 18562.3 | 12858.2 | 2258.4 | 386.5  | 361.2  | 285.5  | 270.3  | 265.2  | 232.4  | 204.6  |
| 21500.2 | 67.5° | 18388.0 | 10978.7 | 1139.3 | 305.7  | 285.5  | 237.5  | 222.3  | 222.3  | 199.6  | 174.3  |
| 21474.9 | 70°   | 17690.7 | 8230.2  | 480.0  | 245.0  | 219.8  | 181.9  | 181.9  | 192.0  | 169.3  | 141.5  |
| 20360.9 | 72.5° | 16177.6 | 5537.4  | 255.1  | 186.9  | 164.2  | 128.8  | 149.0  | 156.6  | 133.9  | 106.1  |
| 16665.1 | 75°   | 12860.7 | 3377.5  | 176.8  | 138.9  | 103.6  | 90.9   | 113.7  | 118.7  | 90.9   | 70.7   |
| 11425.8 | 77.5° | 8796.1  | 1940.1  | 118.7  | 88.4   | 65.7   | 53.0   | 78.3   | 73.3   | 48.0   | 32.8   |
| 4405.6  | 80°   | 3862.5  | 808.4   | 68.2   | 40.4   | 25.3   | 20.2   | 27.8   | 20.2   | 15.2   | 10.1   |
| 603.8   | 82.5° | 452.2   | 189.5   | 25.3   | 15.2   | 10.1   | 5.1    | 2.5    | 0.0    | 0.0    | 0.0    |
| 184.4   | 85°   | 93.5    | 22.7    | 12.6   | 5.1    | 2.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 32.8    | 87.5° | 17.7    | 5.1     | 2.5    | 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°   |
|--------|
| 4531.9 |
| 4403.1 |
| 4208.6 |
| 3625.0 |
| 2637.3 |
| 1705.2 |
| 1366.7 |
| 1245.4 |
| 1129.2 |
| 1015.5 |
| 917.0  |
| 848.8  |
| 775.5  |
| 709.9  |
| 646.7  |
| 591.1  |
| 543.1  |
| 510.3  |
| 480.0  |
| 457.2  |
| 437.0  |
| 416.8  |
| 394.1  |
| 366.3  |
| 323.3  |
| 257.7  |
| 202.1  |
| 171.8  |
| 138.9  |
| 106.1  |
| 68.2   |
| 35.4   |
| 10.1   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |