

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: P954165

Luminaire Tested: **GLAN-SB7C-730-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-730-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40648 lumens  
Efficiency: N/A  
Efficacy: 116.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

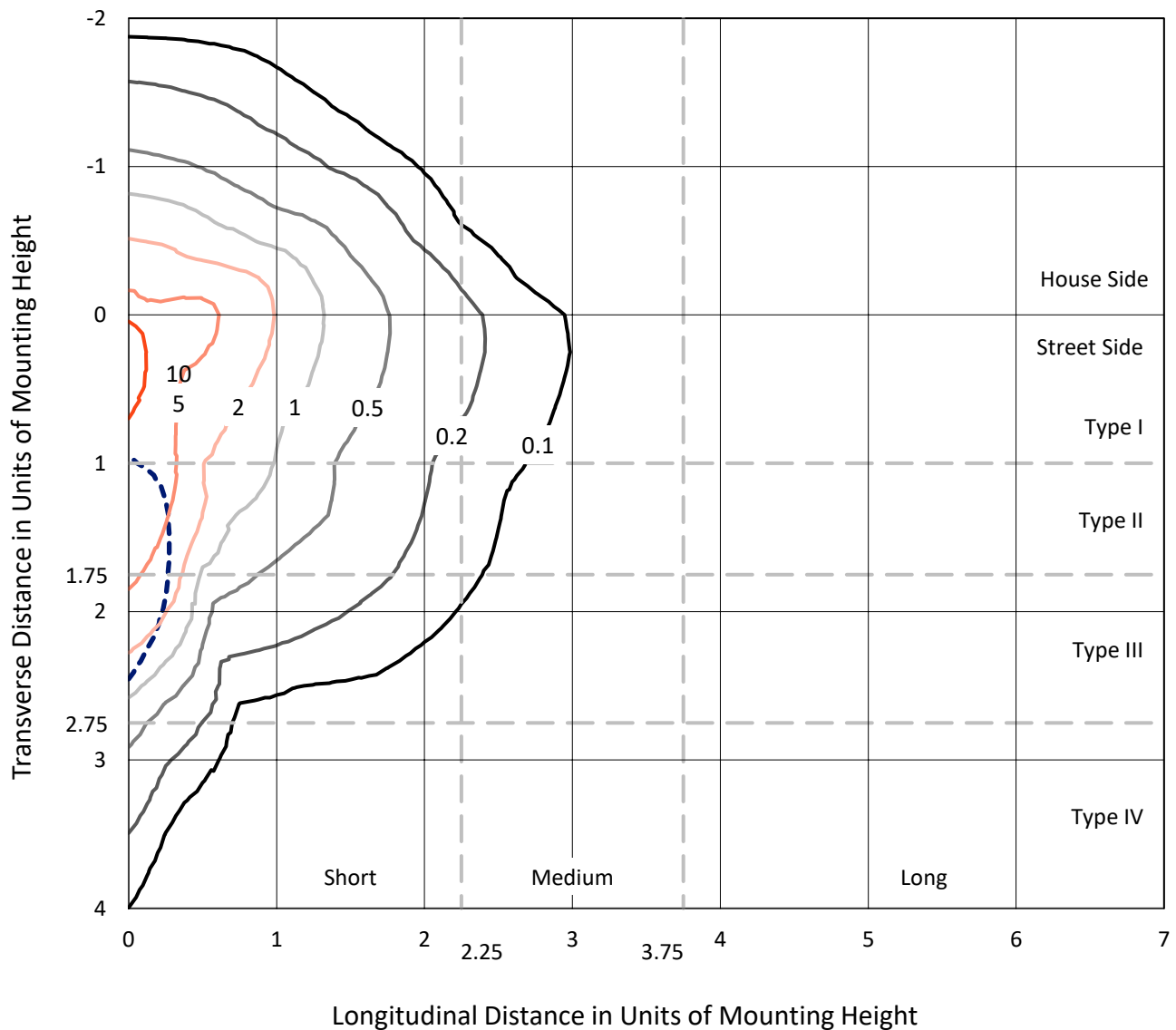
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

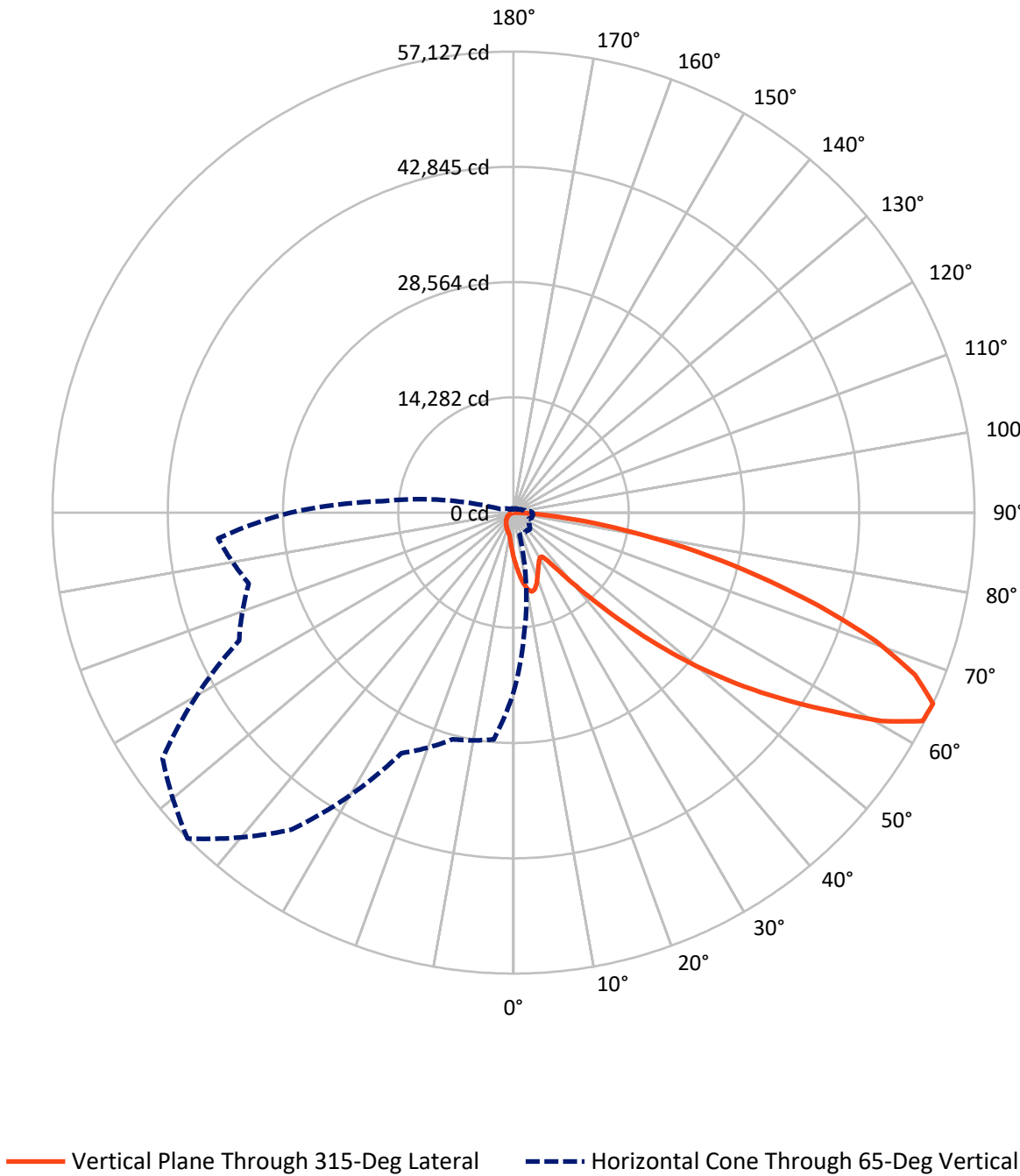


Based on 25 foot mounting height. Maximum calculated value = 12.5 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB7C-730-U-SLR-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5692.4   | 0.0    | 5692.4  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 34955.5  | 0.0    | 34955.5 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 40648.0  | 0.0    | 40648.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 554.1   | 1.4       |
| 10°-20°   | 1661.1  | 4.1       |
| 20°-30°   | 2447.2  | 6.0       |
| 30°-40°   | 3144.0  | 7.7       |
| 40°-50°   | 5084.8  | 12.5      |
| 50°-60°   | 8916.6  | 21.9      |
| 60°-70°   | 11157.2 | 27.4      |
| 70°-80°   | 6519.7  | 16.0      |
| 80°-90°   | 1163.2  | 2.9       |
| 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°    | 40648.0 | 100.0     |
| 0°-180°   | 40648.0 | 100.0     |

**Coefficient of Utilization**



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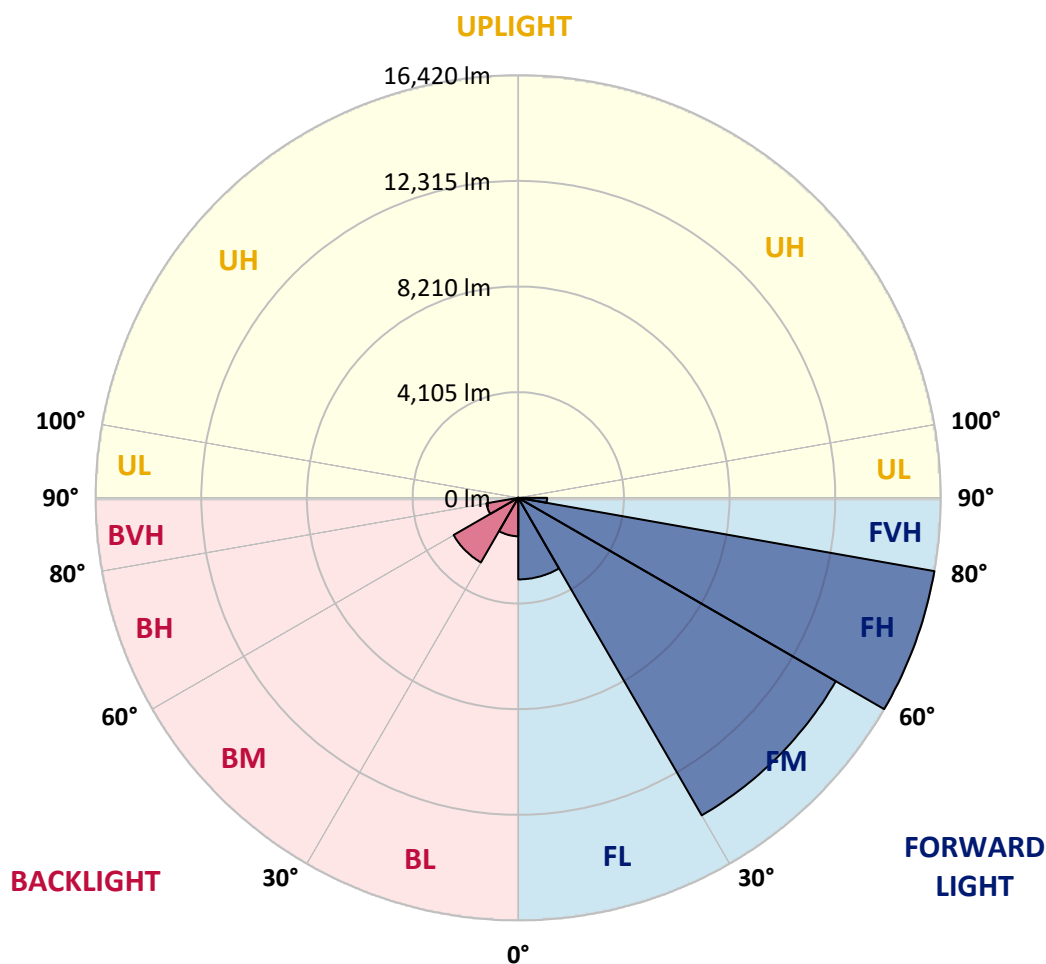
CATALOG NUMBER: GLAN-SB7C-730-U-SLR-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3170.4  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 14246.7 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 16419.9 | 40.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 1118.5  | 2.8       |                         |      | G5      |
| BL   | (0°-30°)    | 1492.1  | 3.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2898.7  | 7.1       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1256.9  | 3.1       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 44.7    | 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-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5628.4  | 5628.4  | 5628.4  | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 |
| 2.5°  | 6359.3  | 6250.1  | 6185.7  | 6026.1 | 5866.5 | 5737.7 | 5564.0 | 5449.2 | 5312.0 | 5180.4 |
| 5°    | 7087.4  | 6910.9  | 6698.1  | 6406.9 | 6140.9 | 5869.3 | 5606.0 | 5345.6 | 5071.2 | 4819.2 |
| 7.5°  | 7703.4  | 7448.6  | 7073.4  | 6686.9 | 6348.1 | 6020.5 | 5712.5 | 5368.0 | 5034.8 | 4640.0 |
| 10°   | 8173.8  | 7849.0  | 7356.2  | 6849.3 | 6460.1 | 6129.7 | 5830.1 | 5538.8 | 5202.8 | 4726.8 |
| 12.5° | 8459.5  | 8112.2  | 7527.0  | 6933.4 | 6488.1 | 6118.5 | 5886.1 | 5757.3 | 5625.6 | 5152.4 |
| 15°   | 8669.5  | 8294.3  | 7647.4  | 6992.2 | 6423.7 | 5970.1 | 5799.3 | 5928.1 | 6079.3 | 5776.9 |
| 17.5° | 8887.9  | 8493.1  | 7804.2  | 7017.4 | 6250.1 | 5681.7 | 5608.8 | 5942.1 | 6292.1 | 6278.1 |
| 20°   | 9095.1  | 8703.1  | 7941.4  | 7000.6 | 5970.1 | 5331.6 | 5396.0 | 5821.7 | 6227.7 | 6398.5 |
| 22.5° | 9333.1  | 8918.7  | 8073.0  | 6936.2 | 5606.0 | 5004.0 | 5205.6 | 5631.2 | 5986.9 | 6188.5 |
| 25°   | 9624.4  | 9190.3  | 8257.9  | 6840.9 | 5214.0 | 4732.4 | 5012.4 | 5410.0 | 5698.5 | 5838.5 |
| 27.5° | 9938.0  | 9515.2  | 8504.3  | 6790.5 | 4897.6 | 4539.2 | 4794.0 | 5146.8 | 5404.4 | 5502.4 |
| 30°   | 10327.2 | 9893.2  | 8795.5  | 6734.5 | 4690.4 | 4427.2 | 4567.2 | 4841.6 | 5093.6 | 5191.6 |
| 32.5° | 10752.9 | 10313.2 | 9075.5  | 6600.1 | 4564.4 | 4343.1 | 4345.9 | 4519.6 | 4749.2 | 4866.8 |
| 35°   | 11284.9 | 10817.3 | 9375.1  | 6306.1 | 4463.6 | 4245.1 | 4130.3 | 4214.3 | 4404.8 | 4544.8 |
| 37.5° | 12043.8 | 11478.1 | 9742.0  | 5886.1 | 4315.1 | 4093.9 | 3903.5 | 3923.1 | 4068.7 | 4222.7 |
| 40°   | 13091.0 | 12365.8 | 10173.2 | 5449.2 | 4102.3 | 3881.1 | 3654.3 | 3645.9 | 3752.3 | 3903.5 |
| 42.5° | 14508.0 | 13539.1 | 10691.2 | 5032.0 | 3897.9 | 3623.5 | 3391.1 | 3377.1 | 3461.1 | 3592.7 |
| 45°   | 16378.5 | 15040.0 | 11326.9 | 4673.6 | 3738.3 | 3371.5 | 3141.8 | 3136.2 | 3206.3 | 3321.1 |
| 47.5° | 18772.7 | 17126.2 | 11962.6 | 4430.0 | 3654.3 | 3172.7 | 2937.4 | 2948.6 | 3010.2 | 3113.8 |
| 50°   | 21872.5 | 19845.2 | 12155.8 | 4306.7 | 3654.3 | 3066.2 | 2755.4 | 2811.4 | 2861.8 | 2940.2 |
| 52.5° | 25588.4 | 22455.0 | 11517.3 | 4194.7 | 3676.7 | 3080.2 | 2601.4 | 2721.8 | 2758.2 | 2825.4 |
| 55°   | 29032.7 | 23734.7 | 9901.6  | 4040.7 | 3682.3 | 3167.1 | 2469.8 | 2649.0 | 2716.2 | 2741.4 |
| 57.5° | 31032.1 | 23295.1 | 8005.8  | 3780.3 | 3659.9 | 3225.9 | 2385.8 | 2559.4 | 2688.2 | 2705.0 |
| 60°   | 30651.2 | 21752.1 | 5894.5  | 3581.5 | 3494.7 | 3203.5 | 2360.6 | 2422.2 | 2626.6 | 2651.8 |
| 62.5° | 27716.6 | 19164.7 | 4091.1  | 3427.5 | 3130.6 | 3105.4 | 2352.2 | 2206.6 | 2492.2 | 2553.8 |
| 65°   | 22278.6 | 15087.6 | 2889.8  | 2951.4 | 2744.2 | 2892.6 | 2307.4 | 1982.6 | 2329.8 | 2413.8 |
| 67.5° | 16162.9 | 10209.6 | 2086.2  | 2391.4 | 2486.6 | 2548.2 | 2206.6 | 1820.1 | 2145.0 | 2257.0 |
| 70°   | 10372.0 | 5513.6  | 1464.5  | 1579.3 | 2094.6 | 2164.6 | 2033.0 | 1674.5 | 1957.4 | 2086.2 |
| 72.5° | 7373.0  | 3256.7  | 1052.9  | 1106.1 | 1682.9 | 1803.3 | 1789.3 | 1512.1 | 1738.9 | 1895.8 |
| 75°   | 5088.0  | 1794.9  | 711.3   | 789.7  | 1220.9 | 1464.5 | 1380.5 | 1299.3 | 1472.9 | 1632.5 |
| 77.5° | 3189.5  | 803.7   | 425.6   | 548.8  | 800.9  | 1150.9 | 946.5  | 1005.3 | 1148.1 | 1296.5 |
| 80°   | 1775.3  | 310.8   | 238.0   | 364.0  | 436.8  | 837.3  | 523.6  | 646.9  | 845.7  | 952.1  |
| 82.5° | 386.4   | 39.2    | 106.4   | 156.8  | 170.8  | 487.2  | 277.2  | 375.2  | 532.0  | 523.6  |
| 85°   | 0.0     | 0.0     | 19.6    | 22.4   | 11.2   | 210.0  | 100.8  | 123.2  | 173.6  | 162.4  |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.6    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5628.4 | 0°    | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 |
| 5062.8 | 2.5°  | 5040.4 | 4903.2 | 4802.4 | 4752.0 | 4710.0 | 4749.2 | 4771.6 | 4771.6 | 4866.8 | 4922.8 |
| 4665.2 | 5°    | 4567.2 | 4320.7 | 4133.1 | 4007.1 | 3931.5 | 3956.7 | 3984.7 | 4015.5 | 4135.9 | 4217.1 |
| 4430.0 | 7.5°  | 4239.5 | 3861.5 | 3575.9 | 3399.5 | 3307.1 | 3321.1 | 3340.7 | 3365.9 | 3483.5 | 3564.7 |
| 4463.6 | 10°   | 4177.9 | 3634.7 | 3231.5 | 2999.0 | 2887.0 | 2867.4 | 2856.2 | 2847.8 | 2917.8 | 2979.4 |
| 4844.4 | 12.5° | 4430.0 | 3645.9 | 3083.0 | 2800.2 | 2663.0 | 2604.2 | 2537.0 | 2483.8 | 2495.0 | 2534.2 |
| 5421.2 | 15°   | 4880.8 | 3788.7 | 3035.4 | 2696.6 | 2525.8 | 2427.8 | 2349.4 | 2285.0 | 2271.0 | 2285.0 |
| 5925.3 | 17.5° | 5396.0 | 3981.9 | 3029.8 | 2607.0 | 2394.2 | 2293.4 | 2229.0 | 2170.2 | 2150.6 | 2153.4 |
| 6208.1 | 20°   | 5737.7 | 4135.9 | 3013.0 | 2506.2 | 2268.2 | 2178.6 | 2122.6 | 2063.8 | 2044.2 | 2049.8 |
| 6129.7 | 22.5° | 5771.3 | 4217.1 | 2987.8 | 2394.2 | 2142.2 | 2066.6 | 2010.6 | 1957.4 | 1954.6 | 1954.6 |
| 5835.7 | 25°   | 5589.2 | 4217.1 | 2934.6 | 2293.4 | 2021.8 | 1954.6 | 1904.2 | 1839.7 | 1850.9 | 1856.5 |
| 5502.4 | 27.5° | 5306.4 | 4116.3 | 2833.8 | 2212.2 | 1918.2 | 1848.1 | 1797.7 | 1738.9 | 1752.9 | 1761.3 |
| 5191.6 | 30°   | 5026.4 | 3987.5 | 2713.4 | 2119.8 | 1820.1 | 1738.9 | 1702.5 | 1652.1 | 1657.7 | 1668.9 |
| 4883.6 | 32.5° | 4766.0 | 3850.3 | 2570.6 | 2044.2 | 1722.1 | 1640.9 | 1612.9 | 1556.9 | 1565.3 | 1576.5 |
| 4581.2 | 35°   | 4508.4 | 3699.1 | 2402.6 | 1954.6 | 1632.5 | 1551.3 | 1528.9 | 1464.5 | 1470.1 | 1486.9 |
| 4278.7 | 37.5° | 4231.1 | 3539.5 | 2265.4 | 1864.9 | 1545.7 | 1461.7 | 1439.3 | 1372.1 | 1377.7 | 1397.3 |
| 3965.1 | 40°   | 3939.9 | 3382.7 | 2131.0 | 1769.7 | 1453.3 | 1369.3 | 1349.7 | 1276.9 | 1282.5 | 1304.9 |
| 3657.1 | 42.5° | 3645.9 | 3211.9 | 2027.4 | 1646.5 | 1358.1 | 1268.5 | 1248.9 | 1181.7 | 1190.1 | 1215.3 |
| 3388.3 | 45°   | 3374.3 | 3007.4 | 1960.2 | 1509.3 | 1268.5 | 1167.7 | 1148.1 | 1086.5 | 1103.3 | 1131.3 |
| 3161.5 | 47.5° | 3141.8 | 2797.4 | 1932.2 | 1394.5 | 1173.3 | 1064.1 | 1047.3 | 996.9  | 1024.9 | 1055.7 |
| 2968.2 | 50°   | 2943.0 | 2595.8 | 1895.8 | 1276.9 | 1083.7 | 974.5  | 957.7  | 924.1  | 960.5  | 991.3  |
| 2836.6 | 52.5° | 2800.2 | 2366.2 | 1817.3 | 1170.5 | 1005.3 | 898.9  | 893.3  | 876.5  | 910.1  | 938.1  |
| 2738.6 | 55°   | 2677.0 | 2128.2 | 1691.3 | 1078.1 | 935.3  | 834.5  | 840.1  | 831.7  | 859.7  | 882.1  |
| 2679.8 | 57.5° | 2565.0 | 1921.0 | 1531.7 | 1005.3 | 859.7  | 778.5  | 795.3  | 784.1  | 798.1  | 812.1  |
| 2618.2 | 60°   | 2430.6 | 1710.9 | 1341.3 | 924.1  | 770.1  | 722.5  | 742.1  | 711.3  | 708.5  | 714.1  |
| 2506.2 | 62.5° | 2231.8 | 1428.1 | 1142.5 | 823.3  | 691.7  | 660.9  | 669.3  | 610.4  | 565.6  | 565.6  |
| 2341.0 | 65°   | 1954.6 | 1148.1 | 957.7  | 711.3  | 602.0  | 576.8  | 571.2  | 487.2  | 425.6  | 420.0  |
| 2161.8 | 67.5° | 1632.5 | 943.7  | 795.3  | 599.2  | 501.2  | 484.4  | 490.0  | 428.4  | 366.8  | 361.2  |
| 1982.6 | 70°   | 1330.1 | 781.3  | 641.3  | 478.8  | 386.4  | 403.2  | 428.4  | 366.8  | 308.0  | 299.6  |
| 1772.5 | 72.5° | 1080.9 | 621.6  | 501.2  | 366.8  | 285.6  | 333.2  | 364.0  | 299.6  | 243.6  | 238.0  |
| 1512.1 | 75°   | 834.5  | 456.4  | 358.4  | 249.2  | 207.2  | 257.6  | 285.6  | 218.4  | 173.6  | 165.2  |
| 1170.5 | 77.5° | 557.2  | 282.8  | 201.6  | 156.8  | 123.2  | 176.4  | 190.4  | 114.8  | 100.8  | 98.0   |
| 851.3  | 80°   | 338.8  | 131.6  | 86.8   | 75.6   | 42.0   | 64.4   | 75.6   | 47.6   | 53.2   | 56.0   |
| 453.6  | 82.5° | 170.8  | 36.4   | 14.0   | 2.8    | 0.0    | 0.0    | 22.4   | 11.2   | 22.4   | 28.0   |
| 123.2  | 85°   | 14.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.6    | 14.0   |
| 0.0    | 87.5° | 0.0    | 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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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 5628.4 | 0°    | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4 | 5628.4  | 5628.4  | 5628.4  |
| 4945.2 | 2.5°  | 5102.0 | 5219.6 | 5331.6 | 5510.8 | 5695.7 | 5877.7 | 6062.5 | 6241.7  | 6306.1  | 6353.7  |
| 4270.3 | 5°    | 4514.0 | 4735.2 | 4992.8 | 5348.4 | 5729.3 | 6121.3 | 6518.9 | 6882.9  | 7048.2  | 7160.2  |
| 3634.7 | 7.5°  | 3906.3 | 4194.7 | 4564.4 | 5099.2 | 5695.7 | 6320.1 | 6944.6 | 7518.6  | 7784.6  | 8000.2  |
| 3035.4 | 10°   | 3304.3 | 3617.9 | 4085.5 | 4696.0 | 5502.4 | 6398.5 | 7261.0 | 8050.6  | 8395.1  | 8666.7  |
| 2604.2 | 12.5° | 2775.0 | 3069.0 | 3559.1 | 4233.9 | 5200.0 | 6336.9 | 7443.0 | 8392.3  | 8798.3  | 9103.5  |
| 2296.2 | 15°   | 2402.6 | 2609.8 | 3043.8 | 3771.9 | 4841.6 | 6138.1 | 7454.2 | 8554.7  | 8999.9  | 9319.1  |
| 2167.4 | 17.5° | 2195.4 | 2265.4 | 2548.2 | 3301.5 | 4444.0 | 5877.7 | 7350.6 | 8610.7  | 9086.7  | 9383.5  |
| 2052.6 | 20°   | 2083.4 | 2094.6 | 2173.0 | 2691.0 | 3934.3 | 5634.0 | 7252.6 | 8666.7  | 9167.9  | 9417.1  |
| 1971.4 | 22.5° | 1993.8 | 1993.8 | 2013.4 | 2201.0 | 3276.3 | 5342.8 | 7221.8 | 8764.7  | 9279.9  | 9433.9  |
| 1878.9 | 25°   | 1912.6 | 1912.6 | 1918.2 | 1968.6 | 2595.8 | 4897.6 | 7202.2 | 8915.9  | 9433.9  | 9476.0  |
| 1786.5 | 27.5° | 1828.5 | 1831.3 | 1831.3 | 1859.3 | 2091.8 | 4292.7 | 7118.2 | 9111.9  | 9618.8  | 9532.0  |
| 1696.9 | 30°   | 1744.5 | 1750.1 | 1750.1 | 1769.7 | 1850.9 | 3584.3 | 6953.0 | 9347.1  | 9859.6  | 9604.8  |
| 1607.3 | 32.5° | 1660.5 | 1666.1 | 1666.1 | 1682.9 | 1741.7 | 2861.8 | 6745.7 | 9562.8  | 10103.2 | 9635.6  |
| 1520.5 | 35°   | 1573.7 | 1582.1 | 1576.5 | 1598.9 | 1660.5 | 2276.6 | 6482.5 | 9778.4  | 10366.4 | 9733.6  |
| 1436.5 | 37.5° | 1486.9 | 1492.5 | 1489.7 | 1512.1 | 1582.1 | 1965.8 | 6177.3 | 9940.8  | 10724.9 | 9952.0  |
| 1346.9 | 40°   | 1400.1 | 1397.3 | 1397.3 | 1422.5 | 1498.1 | 1876.1 | 5793.7 | 10198.4 | 11240.1 | 10335.6 |
| 1257.3 | 42.5° | 1310.5 | 1310.5 | 1304.9 | 1332.9 | 1425.3 | 1808.9 | 5426.8 | 10660.4 | 11990.6 | 10946.1 |
| 1173.3 | 45°   | 1229.3 | 1226.5 | 1215.3 | 1240.5 | 1355.3 | 1691.3 | 5298.0 | 11522.9 | 13099.4 | 11934.5 |
| 1089.3 | 47.5° | 1150.9 | 1148.1 | 1120.1 | 1142.5 | 1271.3 | 1584.9 | 5779.7 | 12934.2 | 14636.8 | 13387.9 |
| 1022.1 | 50°   | 1080.9 | 1083.7 | 1030.5 | 1050.1 | 1187.3 | 1503.7 | 6824.1 | 14765.6 | 16678.1 | 15345.2 |
| 966.1  | 52.5° | 1016.5 | 1016.5 | 946.5  | 957.7  | 1083.7 | 1430.9 | 7818.2 | 16750.9 | 19371.9 | 18075.4 |
| 907.3  | 55°   | 952.1  | 946.5  | 868.1  | 873.7  | 980.1  | 1327.3 | 7966.6 | 18688.7 | 23045.8 | 22183.4 |
| 842.9  | 57.5° | 879.3  | 868.1  | 795.3  | 795.3  | 884.9  | 1251.7 | 6905.3 | 20178.4 | 27604.6 | 28220.6 |
| 722.5  | 60°   | 789.7  | 781.3  | 733.7  | 719.7  | 809.3  | 1318.9 | 4872.4 | 20352.0 | 30544.8 | 36248.9 |
| 574.0  | 62.5° | 674.9  | 686.1  | 660.9  | 641.3  | 736.5  | 1369.3 | 2887.0 | 18954.7 | 29833.6 | 38802.7 |
| 445.2  | 65°   | 532.0  | 576.8  | 571.2  | 557.2  | 809.3  | 1153.7 | 1705.3 | 16272.1 | 27652.2 | 36741.7 |
| 389.2  | 67.5° | 453.6  | 484.4  | 476.0  | 476.0  | 848.5  | 876.5  | 1072.5 | 12713.0 | 24650.4 | 34297.1 |
| 324.8  | 70°   | 386.4  | 417.2  | 386.4  | 386.4  | 641.3  | 532.0  | 742.1  | 8876.7  | 21410.5 | 31592.1 |
| 260.4  | 72.5° | 319.2  | 350.0  | 316.4  | 294.0  | 512.4  | 397.6  | 543.2  | 5547.2  | 18335.9 | 28775.1 |
| 184.8  | 75°   | 243.6  | 280.0  | 254.8  | 226.8  | 338.8  | 296.8  | 411.6  | 3223.1  | 15191.2 | 24619.6 |
| 112.0  | 77.5° | 154.0  | 201.6  | 190.4  | 159.6  | 249.2  | 215.6  | 296.8  | 1918.2  | 11721.7 | 19237.5 |
| 67.2   | 80°   | 95.2   | 103.6  | 106.4  | 100.8  | 142.8  | 145.6  | 201.6  | 1092.1  | 8022.6  | 13407.5 |
| 42.0   | 82.5° | 61.6   | 61.6   | 47.6   | 53.2   | 70.0   | 84.0   | 114.8  | 411.6   | 4715.6  | 8162.6  |
| 25.2   | 85°   | 44.8   | 39.2   | 25.2   | 25.2   | 33.6   | 42.0   | 44.8   | 126.0   | 1912.6  | 3223.1  |
| 11.2   | 87.5° | 22.4   | 19.6   | 8.4    | 11.2   | 16.8   | 14.0   | 11.2   | 5.6     | 481.6   | 1030.5  |
| 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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**CANDELA DISTRIBUTION (continued):**

| 285°    |       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 5628.4  | 0°    | 5628.4  | 5628.4  | 5628.4  | 5628.4  | 5628.4  | 5628.4  | 5628.4  | 5628.4  |
| 6460.1  | 2.5°  | 6516.1  | 6602.9  | 6608.5  | 6608.5  | 6532.9  | 6530.1  | 6376.1  | 6359.3  |
| 7412.2  | 5°    | 7672.6  | 7728.6  | 7742.6  | 7714.6  | 7563.4  | 7451.4  | 7151.8  | 7087.4  |
| 8383.9  | 7.5°  | 8731.1  | 8843.1  | 8843.1  | 8775.9  | 8529.5  | 8299.9  | 7865.8  | 7703.4  |
| 9187.5  | 10°   | 9576.8  | 9705.6  | 9677.6  | 9540.4  | 9229.5  | 8913.1  | 8386.7  | 8173.8  |
| 9674.8  | 12.5° | 9988.4  | 10120.0 | 10047.2 | 9890.4  | 9588.0  | 9254.7  | 8700.3  | 8459.5  |
| 9814.8  | 15°   | 9980.0  | 9943.6  | 9868.0  | 9848.4  | 9702.8  | 9450.8  | 8932.7  | 8669.5  |
| 9728.0  | 17.5° | 9624.4  | 9316.3  | 9257.5  | 9453.6  | 9638.4  | 9576.8  | 9134.3  | 8887.9  |
| 9520.8  | 20°   | 9061.5  | 8523.9  | 8470.7  | 8845.9  | 9372.3  | 9641.2  | 9321.9  | 9095.1  |
| 9221.1  | 22.5° | 8467.9  | 7888.2  | 7765.0  | 8179.5  | 8971.9  | 9660.8  | 9560.0  | 9333.1  |
| 8890.7  | 25°   | 7905.0  | 7322.6  | 7199.4  | 7585.8  | 8526.7  | 9627.2  | 9817.6  | 9624.4  |
| 8574.3  | 27.5° | 7434.6  | 6871.7  | 6756.9  | 7143.4  | 8098.2  | 9532.0  | 10075.2 | 9938.0  |
| 8260.7  | 30°   | 7070.6  | 6549.7  | 6465.7  | 6838.1  | 7728.6  | 9414.3  | 10402.8 | 10327.2 |
| 7969.4  | 32.5° | 6857.7  | 6476.9  | 6507.7  | 6812.9  | 7529.8  | 9285.5  | 10716.5 | 10752.9 |
| 7826.6  | 35°   | 7067.8  | 7084.6  | 7353.4  | 7479.4  | 7714.6  | 9265.9  | 11142.1 | 11284.9 |
| 7997.4  | 37.5° | 8112.2  | 8694.7  | 9251.9  | 9148.3  | 8619.1  | 9492.8  | 11777.7 | 12043.8 |
| 8742.3  | 40°   | 9890.4  | 11086.1 | 11990.6 | 11595.7 | 10262.8 | 10187.2 | 12693.4 | 13091.0 |
| 10064.0 | 42.5° | 12063.4 | 14090.7 | 15580.4 | 14522.0 | 12382.6 | 11402.5 | 14001.1 | 14508.0 |
| 11662.9 | 45°   | 14356.7 | 17795.4 | 20142.0 | 17941.0 | 14642.4 | 13105.0 | 15980.9 | 16378.5 |
| 13161.0 | 47.5° | 16773.3 | 22298.2 | 25333.6 | 21732.5 | 16736.9 | 15042.8 | 18680.3 | 18772.7 |
| 14580.8 | 50°   | 19416.7 | 27235.0 | 30626.0 | 25521.2 | 18758.7 | 17263.4 | 21978.9 | 21872.5 |
| 16235.7 | 52.5° | 21934.1 | 32311.8 | 35806.4 | 29326.7 | 20534.0 | 20018.8 | 25806.9 | 25588.4 |
| 18498.3 | 55°   | 24336.7 | 37385.8 | 41017.7 | 32983.8 | 22208.6 | 23659.1 | 30354.4 | 29032.7 |
| 21760.5 | 57.5° | 27123.0 | 41947.3 | 46388.5 | 36657.7 | 24549.6 | 28385.9 | 35439.6 | 31032.1 |
| 28007.8 | 60°   | 31242.1 | 47130.5 | 52462.2 | 41692.5 | 29001.9 | 33353.5 | 37262.6 | 30651.2 |
| 35490.0 | 62.5° | 36500.9 | 51896.5 | 56878.1 | 46626.5 | 33473.9 | 34288.7 | 34577.1 | 27716.6 |
| 33963.9 | 65°   | 37523.0 | 53103.4 | 57127.3 | 47945.4 | 32897.0 | 29085.9 | 28229.0 | 22278.6 |
| 30337.6 | 67.5° | 34812.4 | 50922.0 | 53643.9 | 45489.6 | 29099.9 | 22477.4 | 21183.7 | 16162.9 |
| 27957.4 | 70°   | 31771.3 | 46763.7 | 47573.0 | 41314.5 | 25594.0 | 16532.5 | 14306.3 | 10372.0 |
| 26327.7 | 72.5° | 28654.7 | 41216.5 | 39541.9 | 35879.3 | 22494.2 | 12038.2 | 10318.8 | 7373.0  |
| 24006.3 | 75°   | 24952.8 | 33921.9 | 31146.9 | 29811.2 | 18624.3 | 9448.0  | 7465.4  | 5088.0  |
| 20648.8 | 77.5° | 19982.4 | 23877.5 | 23135.4 | 23107.4 | 13995.5 | 6902.5  | 4981.6  | 3189.5  |
| 16132.1 | 80°   | 14096.3 | 15496.4 | 15118.4 | 17403.4 | 9389.1  | 5006.8  | 2999.0  | 1775.3  |
| 11228.9 | 82.5° | 6824.1  | 8568.7  | 8795.5  | 10363.6 | 4567.2  | 2945.8  | 691.7   | 386.4   |
| 4390.7  | 85°   | 2671.4  | 4133.1  | 3486.3  | 3934.3  | 1282.5  | 820.5   | 16.8    | 0.0     |
| 722.5   | 87.5° | 299.6   | 478.8   | 439.6   | 347.2   | 156.8   | 33.6    | 0.0     | 0.0     |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)