

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: P955312

Luminaire Tested: **GLAN-SB8B-760-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955312  
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-SB8B-760-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 48993 lumens  
Efficiency: N/A  
Efficacy: 167.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 292.8  
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

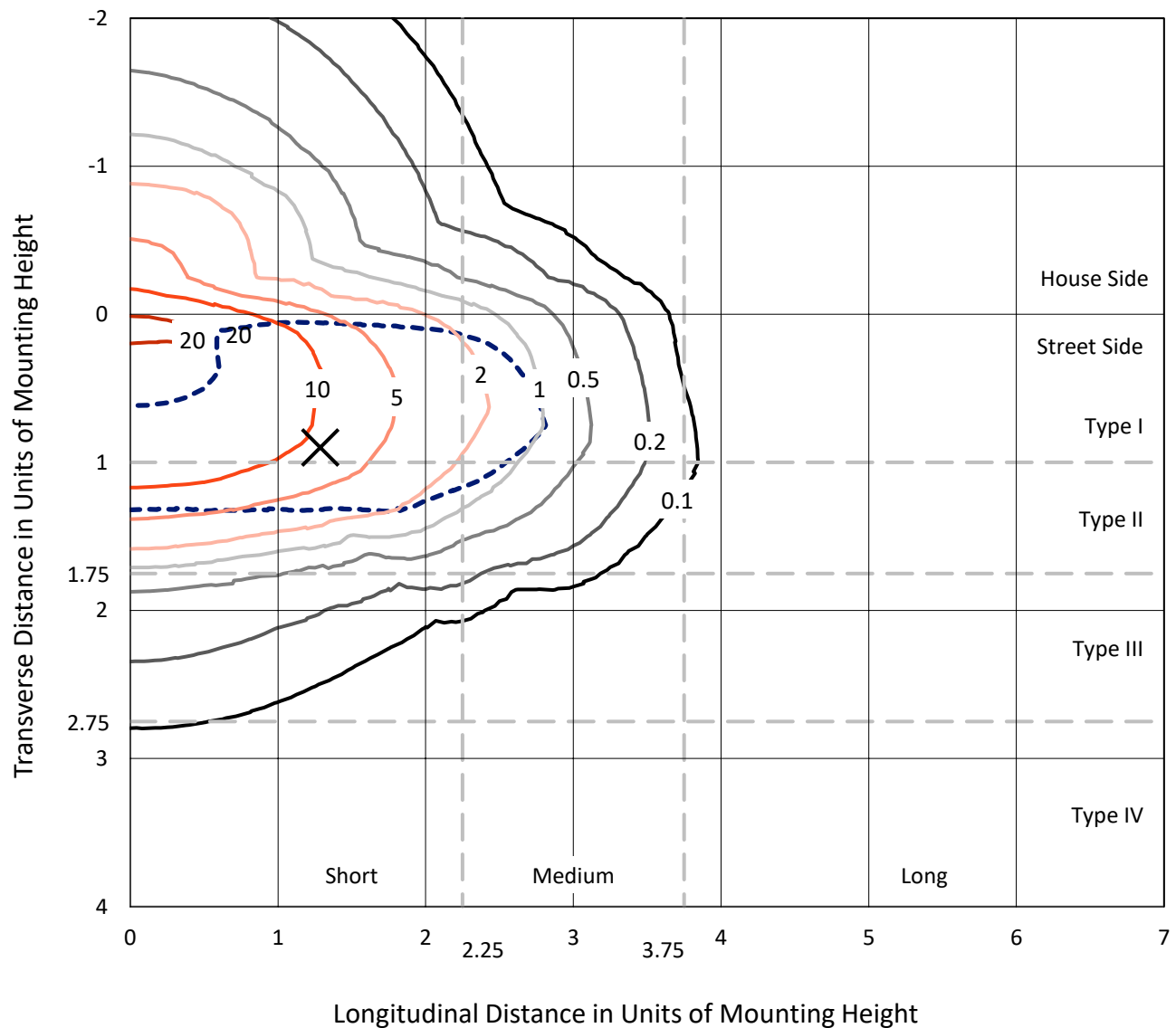


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## Iso-Footcandle Lines of Horizontal Illumination

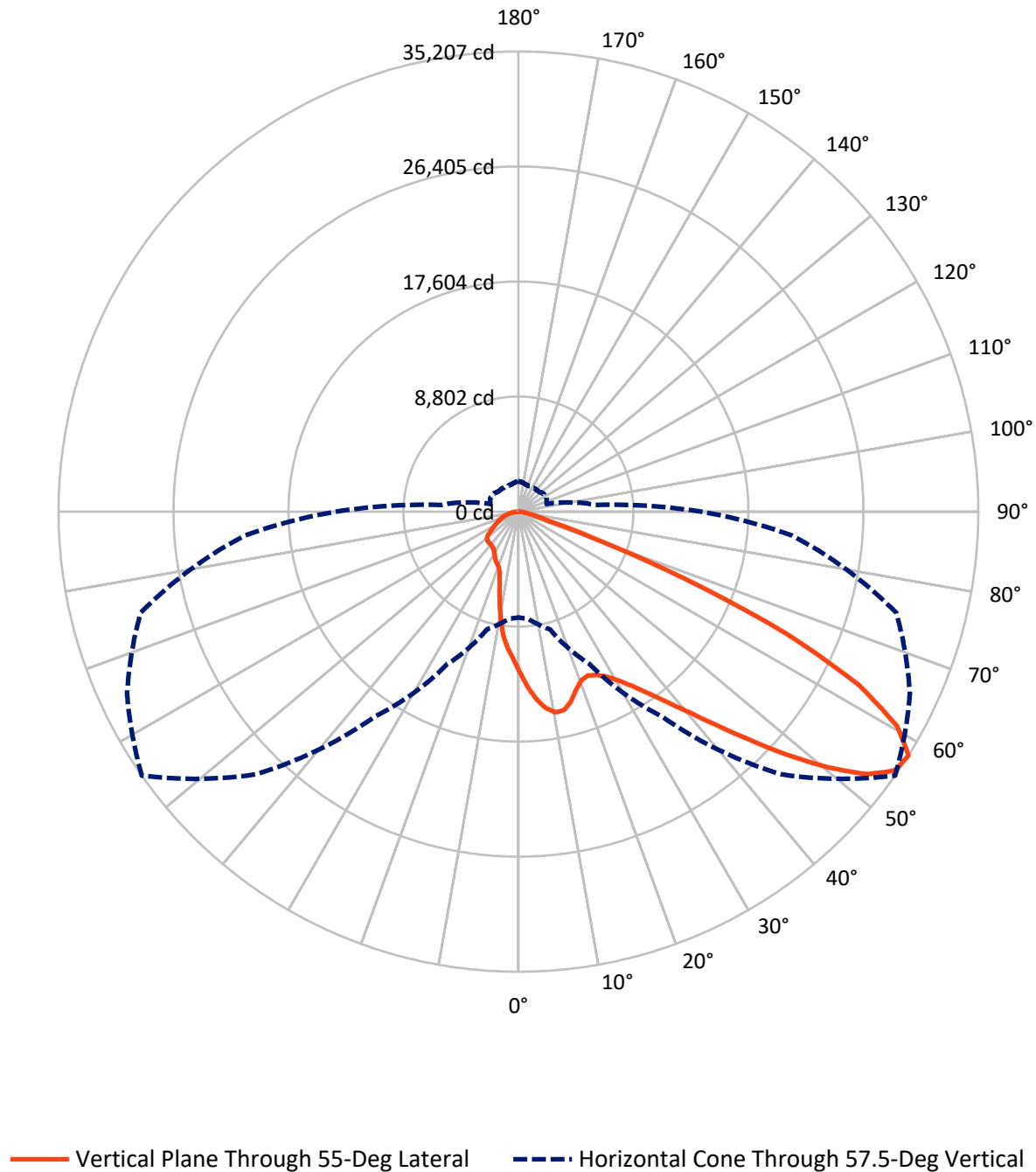
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.7 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    | 8865.0   | 0.0    | 8865.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 40128.0  | 0.0    | 40128.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 48993.0  | 0.0    | 48993.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1139.1  | 2.3       |
| 10°-20°   | 2875.3  | 5.9       |
| 20°-30°   | 4588.1  | 9.4       |
| 30°-40°   | 7264.1  | 14.8      |
| 40°-50°   | 11118.4 | 22.7      |
| 50°-60°   | 11908.9 | 24.3      |
| 60°-70°   | 7491.9  | 15.3      |
| 70°-80°   | 2215.5  | 4.5       |
| 80°-90°   | 391.7   | 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°    | 48993.0 | 100.0     |
| 0°-180°   | 48993.0 | 100.0     |

**Coefficient of Utilization**



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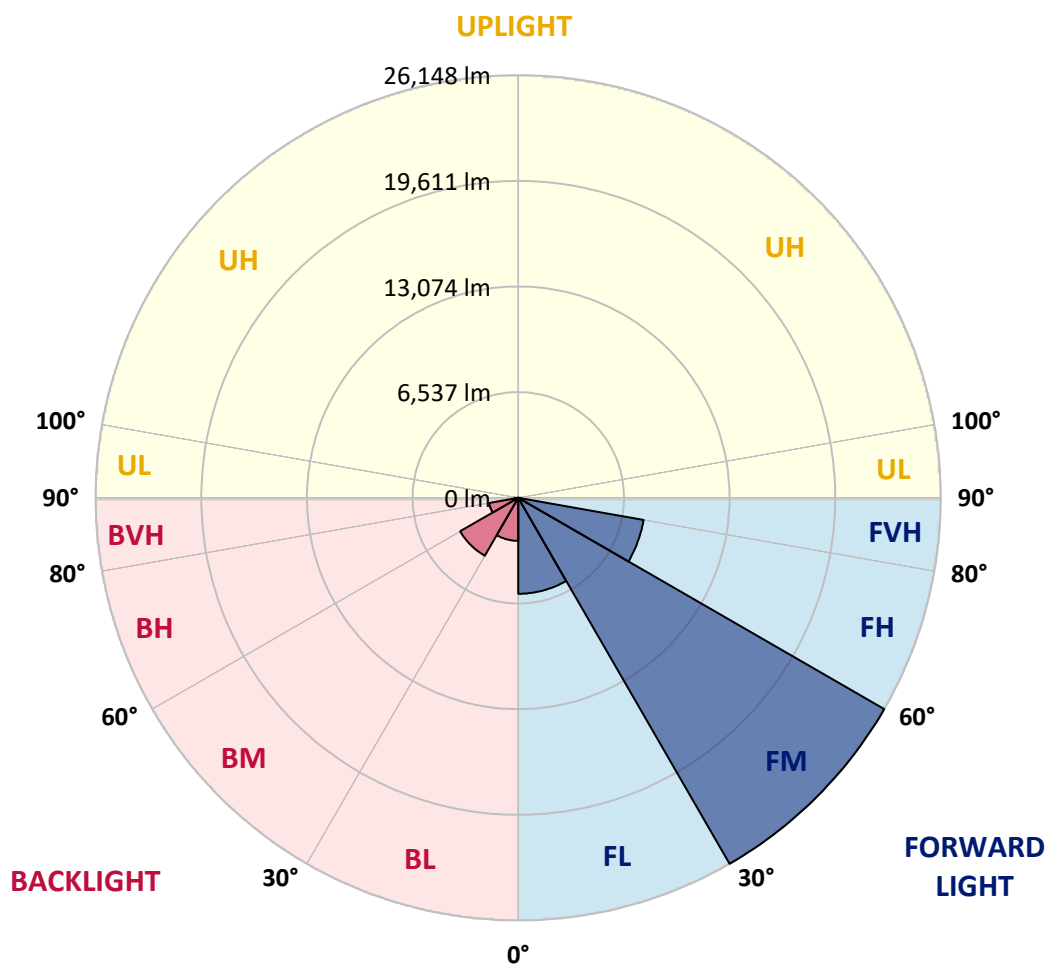
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 5937.9  | 12.1      |                         |      |          |
| FM   | (30°-60°)   | 26147.9 | 53.4      |                         |      |          |
| FH   | (60°-80°)   | 7876.6  | 16.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 165.5   | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 2664.5  | 5.4       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 4143.4  | 8.5       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1830.8  | 3.7       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 226.2   | 0.5       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 |
| 2.5°  | 14084.4 | 14074.3 | 14130.0 | 13940.0 | 13810.9 | 13636.1 | 13405.6 | 13111.9 | 12795.3 | 12460.9 |
| 5°    | 15353.3 | 15264.7 | 15322.9 | 15181.1 | 15039.2 | 14775.8 | 14433.9 | 13955.2 | 13370.2 | 12704.1 |
| 7.5°  | 15153.2 | 15092.4 | 15241.9 | 15368.5 | 15474.9 | 15441.9 | 15191.2 | 14689.7 | 13935.0 | 12967.5 |
| 10°   | 13539.9 | 13471.5 | 13681.7 | 14119.9 | 14763.2 | 15322.9 | 15626.8 | 15315.3 | 14512.4 | 13256.2 |
| 12.5° | 12116.5 | 12083.6 | 12222.9 | 12577.4 | 13291.7 | 14365.5 | 15571.1 | 15862.4 | 15112.7 | 13598.1 |
| 15°   | 11508.6 | 11468.1 | 11556.8 | 11736.6 | 12192.5 | 13192.9 | 15064.6 | 16237.2 | 15702.8 | 13993.2 |
| 17.5° | 11374.4 | 11328.8 | 11366.8 | 11460.5 | 11754.3 | 12516.7 | 14299.7 | 16422.1 | 16318.3 | 14433.9 |
| 20°   | 11622.6 | 11584.6 | 11589.7 | 11584.6 | 11789.8 | 12395.1 | 13767.8 | 16351.2 | 16855.2 | 14839.2 |
| 22.5° | 12222.9 | 12159.6 | 12162.1 | 12027.8 | 12139.3 | 12607.8 | 13628.5 | 16161.2 | 17333.9 | 15193.7 |
| 25°   | 13200.5 | 13086.5 | 13109.3 | 12767.4 | 12737.0 | 13084.0 | 13846.3 | 16014.3 | 17810.0 | 15477.4 |
| 27.5° | 14537.8 | 14408.6 | 14340.2 | 13831.1 | 13588.0 | 13760.2 | 14289.6 | 16065.0 | 18260.9 | 15723.1 |
| 30°   | 16209.4 | 16052.3 | 15913.0 | 15191.2 | 14750.5 | 14687.2 | 14978.5 | 16399.3 | 18792.7 | 15981.4 |
| 32.5° | 18258.3 | 18076.0 | 17822.7 | 16865.3 | 16244.8 | 15913.0 | 15870.0 | 16994.5 | 19415.8 | 16310.7 |
| 35°   | 20697.3 | 20459.2 | 20099.6 | 18861.1 | 18076.0 | 17397.2 | 17045.2 | 17853.1 | 20269.3 | 16807.1 |
| 37.5° | 23209.8 | 22941.3 | 22612.1 | 21138.0 | 20173.1 | 19172.6 | 18478.7 | 19018.1 | 21406.5 | 17480.8 |
| 40°   | 25527.2 | 25225.8 | 24919.4 | 23607.4 | 22571.5 | 21366.0 | 20233.8 | 20492.2 | 22796.9 | 18286.2 |
| 42.5° | 26894.9 | 26672.0 | 26555.5 | 25846.3 | 25046.0 | 23822.7 | 22417.0 | 22239.7 | 24359.6 | 19213.2 |
| 45°   | 26834.1 | 26742.9 | 27102.6 | 27396.3 | 27206.4 | 26527.6 | 24975.1 | 24172.2 | 25927.4 | 20016.0 |
| 47.5° | 25400.6 | 25461.4 | 26264.2 | 27915.6 | 28642.4 | 28997.0 | 27887.7 | 26069.2 | 27290.0 | 20616.3 |
| 50°   | 21500.2 | 21550.8 | 23409.9 | 26970.9 | 29012.2 | 31010.5 | 30777.5 | 27920.6 | 28346.1 | 20983.5 |
| 52.5° | 18412.8 | 18445.7 | 19243.5 | 24169.7 | 27791.4 | 32023.6 | 33381.1 | 29665.7 | 29118.6 | 21084.8 |
| 55°   | 13869.1 | 13983.1 | 14877.2 | 18962.4 | 24615.4 | 31220.7 | 34966.6 | 31463.9 | 29607.4 | 21095.0 |
| 57.5° | 8102.1  | 8226.2  | 9330.5  | 12871.2 | 19132.1 | 28422.1 | 35207.2 | 33059.5 | 29939.2 | 21013.9 |
| 60°   | 3968.8  | 4021.9  | 4503.2  | 6764.9  | 11797.4 | 23030.0 | 33272.2 | 33832.0 | 30124.1 | 20970.9 |
| 62.5° | 2674.5  | 2666.9  | 2687.2  | 3338.1  | 5812.6  | 14796.1 | 29240.2 | 32479.5 | 30025.3 | 20806.2 |
| 65°   | 2299.7  | 2271.8  | 2195.9  | 2342.8  | 3011.4  | 6767.4  | 22591.8 | 28442.4 | 29273.1 | 20393.4 |
| 67.5° | 1988.2  | 1990.7  | 1993.2  | 1947.7  | 2150.3  | 3122.8  | 13805.8 | 22404.4 | 26573.2 | 18438.1 |
| 70°   | 1646.3  | 1669.1  | 1679.2  | 1679.2  | 1752.6  | 2049.0  | 5893.6  | 15355.8 | 20960.7 | 14456.7 |
| 72.5° | 1499.4  | 1451.2  | 1456.3  | 1431.0  | 1431.0  | 1560.2  | 2373.2  | 8704.9  | 13205.6 | 8132.5  |
| 75°   | 1223.3  | 1253.7  | 1258.8  | 1241.0  | 1182.8  | 1190.4  | 1408.2  | 3652.2  | 5650.5  | 3373.6  |
| 77.5° | 1056.1  | 1056.1  | 1066.3  | 1053.6  | 1008.0  | 891.5   | 939.6   | 1415.8  | 1922.3  | 1382.9  |
| 80°   | 848.5   | 845.9   | 889.0   | 914.3   | 843.4   | 658.5   | 600.3   | 782.6   | 853.5   | 607.9   |
| 82.5° | 412.8   | 438.2   | 610.4   | 696.5   | 640.8   | 476.1   | 367.2   | 486.3   | 455.9   | 268.5   |
| 85°   | 240.6   | 227.9   | 273.5   | 387.5   | 367.2   | 263.4   | 177.3   | 253.3   | 238.1   | 136.8   |
| 87.5° | 76.0    | 70.9    | 55.7    | 131.7   | 106.4   | 73.4    | 48.1    | 73.4    | 65.9    | 30.4    |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 12276.1 | 0°    | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 | 12276.1 |
| 12316.6 | 2.5°  | 12136.8 | 11837.9 | 11541.6 | 11270.6 | 11105.9 | 10999.6 | 10893.2 | 10774.2 | 10728.6 | 10660.2 |
| 12349.5 | 5°    | 12015.2 | 11437.7 | 10923.6 | 10480.4 | 10077.7 | 9761.1  | 9442.0  | 9183.6  | 9067.1  | 9145.6  |
| 12453.3 | 7.5°  | 11944.3 | 11108.5 | 10315.7 | 9502.7  | 8720.1  | 8094.5  | 7550.0  | 7167.6  | 6995.4  | 7038.4  |
| 12554.7 | 10°   | 11881.0 | 10736.2 | 9528.1  | 8244.0  | 7119.5  | 6344.4  | 5787.2  | 5496.0  | 5387.1  | 5409.9  |
| 12691.4 | 12.5° | 11822.7 | 10318.3 | 8578.3  | 6889.0  | 5693.5  | 5181.9  | 5022.4  | 5024.9  | 5045.2  | 5060.4  |
| 12909.2 | 15°   | 11812.6 | 9814.3  | 7517.1  | 5703.7  | 4923.6  | 4890.7  | 5062.9  | 5171.8  | 5230.1  | 5247.8  |
| 13091.6 | 17.5° | 11797.4 | 9211.5  | 6435.6  | 4895.7  | 4736.2  | 4959.1  | 5118.6  | 5189.5  | 5235.1  | 5237.6  |
| 13268.9 | 20°   | 11736.6 | 8446.6  | 5437.7  | 4510.8  | 4695.6  | 4888.1  | 4986.9  | 5042.6  | 5080.6  | 5093.3  |
| 13403.1 | 22.5° | 11549.2 | 7595.6  | 4660.2  | 4338.5  | 4533.6  | 4688.1  | 4804.6  | 4867.9  | 4890.7  | 4905.9  |
| 13428.4 | 25°   | 11212.3 | 6643.3  | 4123.3  | 4173.9  | 4308.1  | 4503.2  | 4596.9  | 4609.5  | 4601.9  | 4624.7  |
| 13365.1 | 27.5° | 10771.6 | 5622.6  | 3788.9  | 3951.0  | 4123.3  | 4290.4  | 4341.1  | 4333.5  | 4318.3  | 4343.6  |
| 13256.2 | 30°   | 10239.8 | 4705.8  | 3576.2  | 3700.3  | 3935.8  | 4087.8  | 4133.4  | 4115.7  | 4085.3  | 4113.1  |
| 13200.5 | 32.5° | 9677.5  | 3956.1  | 3401.4  | 3525.5  | 3781.3  | 3930.8  | 3976.4  | 3958.6  | 3935.8  | 3958.6  |
| 13263.8 | 35°   | 9153.2  | 3431.8  | 3239.3  | 3409.0  | 3659.8  | 3806.7  | 3864.9  | 3867.5  | 3867.5  | 3895.3  |
| 13431.0 | 37.5° | 8672.0  | 3125.4  | 3105.1  | 3335.6  | 3576.2  | 3707.9  | 3791.5  | 3796.5  | 3687.6  | 3695.2  |
| 13714.6 | 40°   | 8226.2  | 2996.2  | 3044.3  | 3287.5  | 3495.1  | 3621.8  | 3626.8  | 3343.2  | 3143.1  | 3138.0  |
| 14038.8 | 42.5° | 7861.5  | 2970.9  | 3062.0  | 3282.4  | 3436.9  | 3442.0  | 3084.8  | 2864.5  | 2808.8  | 2811.3  |
| 14337.7 | 45°   | 7519.6  | 2963.3  | 3102.6  | 3282.4  | 3350.8  | 2973.4  | 2732.8  | 2674.5  | 2679.6  | 2699.9  |
| 14471.9 | 47.5° | 7137.2  | 2932.9  | 3110.2  | 3236.8  | 3102.6  | 2644.2  | 2573.2  | 2547.9  | 2537.8  | 2542.8  |
| 14441.5 | 50°   | 6719.3  | 2824.0  | 3013.9  | 3145.6  | 2677.1  | 2502.3  | 2413.7  | 2406.1  | 2418.7  | 2426.3  |
| 14271.8 | 52.5° | 6278.6  | 2646.7  | 2849.3  | 2981.0  | 2482.1  | 2378.2  | 2279.4  | 2297.2  | 2352.9  | 2370.6  |
| 14094.5 | 55°   | 5989.9  | 2439.0  | 2631.5  | 2651.7  | 2345.3  | 2261.7  | 2178.1  | 2218.7  | 2322.5  | 2355.4  |
| 13988.2 | 57.5° | 5913.9  | 2218.7  | 2383.3  | 2360.5  | 2170.5  | 2160.4  | 2109.7  | 2145.2  | 2276.9  | 2325.0  |
| 13983.1 | 60°   | 5891.1  | 2021.1  | 2140.1  | 2122.4  | 2000.8  | 2049.0  | 2036.3  | 2054.0  | 2099.6  | 2114.8  |
| 13932.4 | 62.5° | 5713.8  | 1864.1  | 1922.3  | 1897.0  | 1848.9  | 1932.5  | 1962.9  | 1924.9  | 1960.3  | 1978.0  |
| 13585.5 | 65°   | 5263.0  | 1737.4  | 1709.6  | 1691.9  | 1712.1  | 1788.1  | 1848.9  | 1772.9  | 1805.8  | 1856.5  |
| 12248.2 | 67.5° | 4518.4  | 1565.2  | 1489.2  | 1509.5  | 1572.8  | 1613.3  | 1691.9  | 1605.7  | 1633.6  | 1719.7  |
| 9864.9  | 70°   | 3654.7  | 1347.4  | 1279.0  | 1337.3  | 1398.1  | 1481.6  | 1494.3  | 1436.0  | 1501.9  | 1598.1  |
| 6020.3  | 72.5° | 2585.9  | 1127.1  | 1078.9  | 1198.0  | 1218.2  | 1327.1  | 1299.3  | 1271.4  | 1362.6  | 1395.5  |
| 2975.9  | 75°   | 1793.2  | 909.2   | 881.4   | 972.6   | 1046.0  | 1139.7  | 1119.5  | 1152.4  | 1344.9  | 1360.1  |
| 1486.7  | 77.5° | 1134.7  | 706.6   | 688.9   | 747.2   | 848.5   | 952.3   | 985.2   | 1360.1  | 2297.2  | 2388.3  |
| 772.5   | 80°   | 658.5   | 526.8   | 506.5   | 552.1   | 640.8   | 737.0   | 949.8   | 1669.1  | 1514.6  | 1496.8  |
| 347.0   | 82.5° | 367.2   | 362.2   | 336.9   | 349.5   | 428.0   | 531.9   | 1342.3  | 1175.2  | 954.8   | 985.2   |
| 139.3   | 85°   | 172.2   | 212.7   | 182.4   | 174.8   | 240.6   | 623.0   | 896.6   | 671.2   | 445.8   | 435.6   |
| 30.4    | 87.5° | 45.6    | 40.5    | 40.5    | 45.6    | 101.3   | 536.9   | 357.1   | 286.2   | 169.7   | 164.6   |
| 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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