

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: P943668

Luminaire Tested: **GLAN-SB8B-730-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P943668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 34476 lumens  
Efficiency: N/A  
Efficacy: 117.7 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): 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



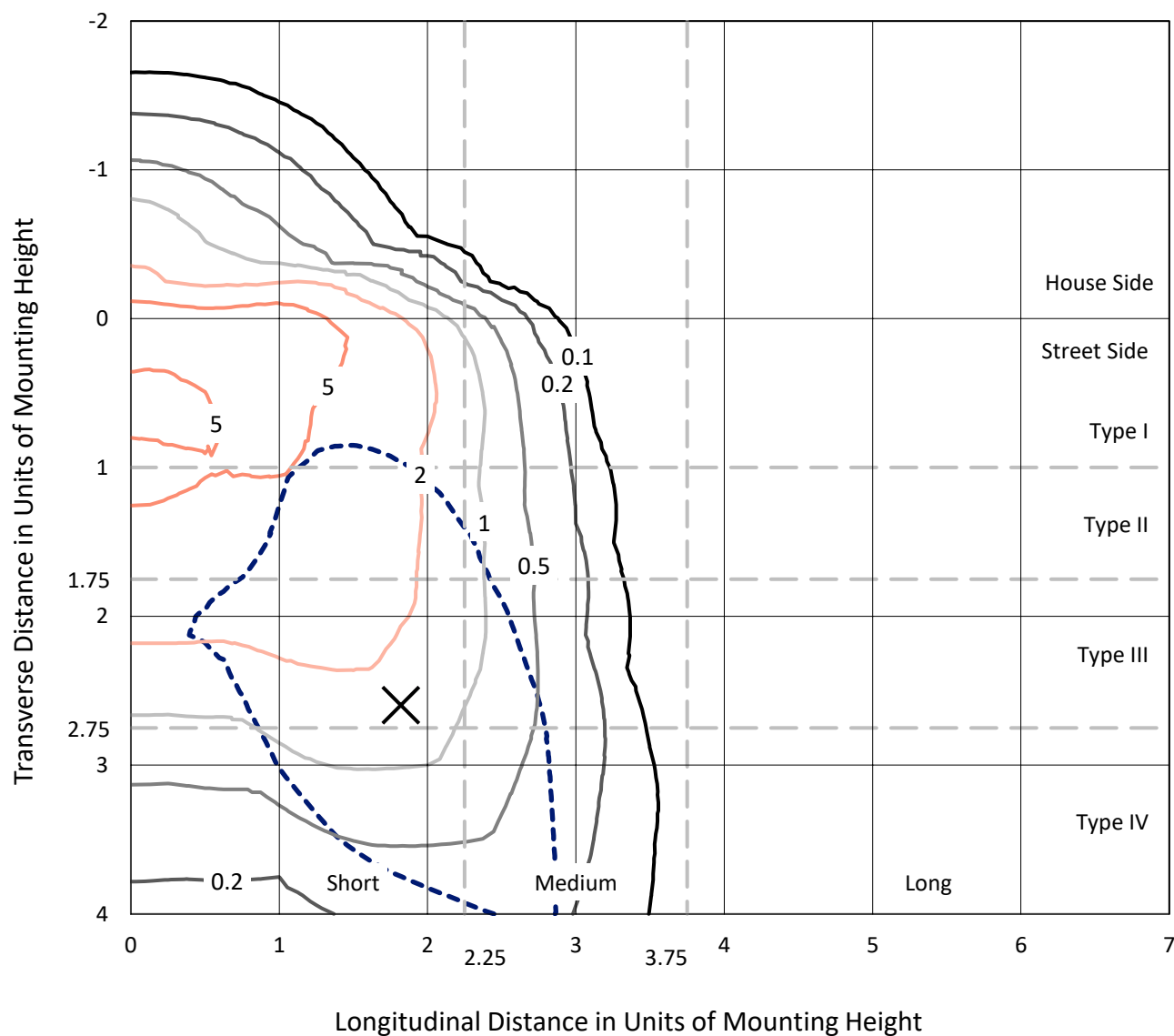
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

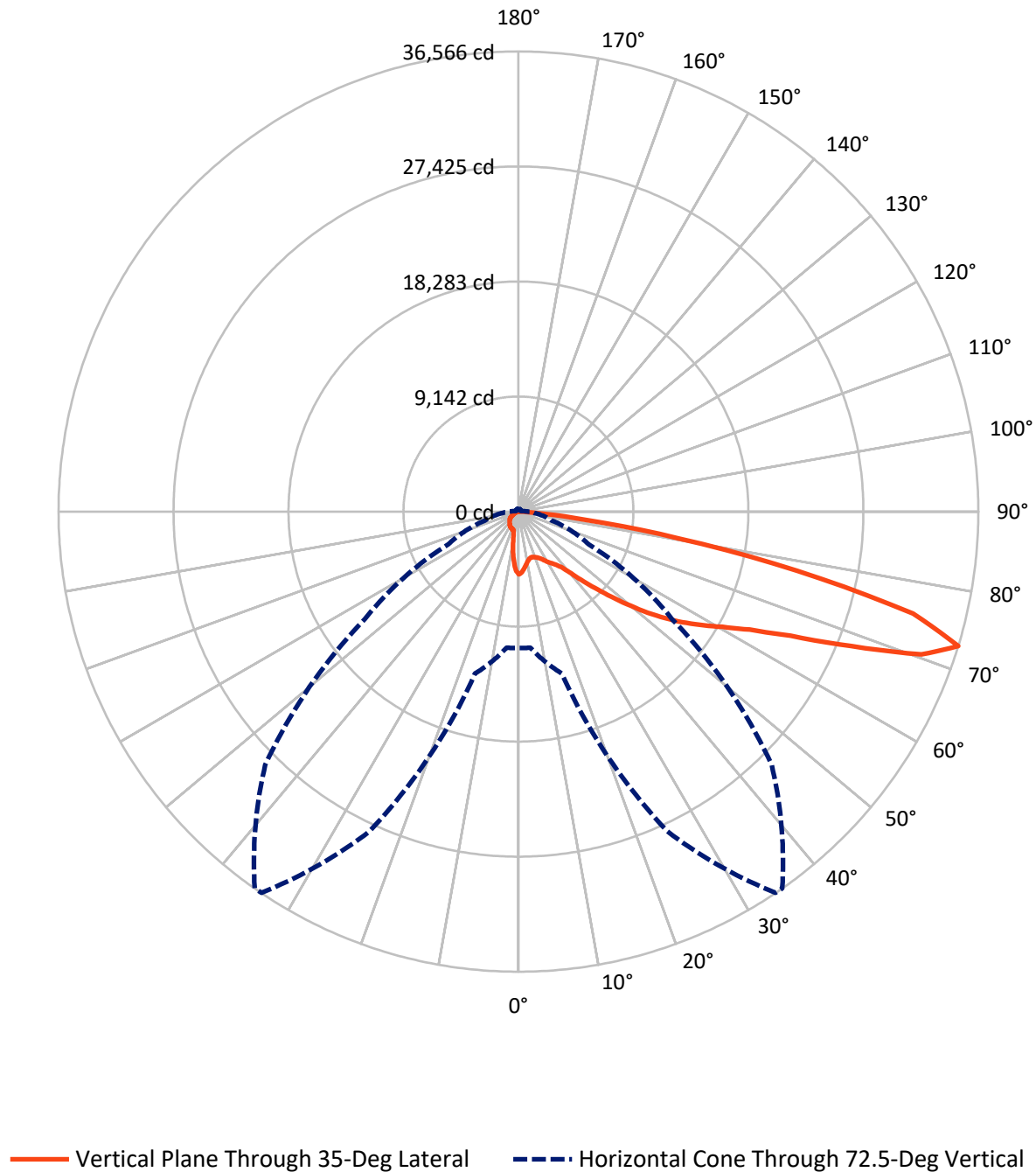


Based on 25 foot mounting height. Maximum calculated value = 8 fc

Type IV - 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    | 3880.1   | 0.0    | 3880.1  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 30595.9  | 0.0    | 30595.9 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 34476.0  | 0.0    | 34476.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 410.6   | 1.2       |
| 10°-20°   | 960.5   | 2.8       |
| 20°-30°   | 1560.4  | 4.5       |
| 30°-40°   | 2603.5  | 7.6       |
| 40°-50°   | 4925.9  | 14.3      |
| 50°-60°   | 7827.1  | 22.7      |
| 60°-70°   | 9682.7  | 28.1      |
| 70°-80°   | 6018.8  | 17.5      |
| 80°-90°   | 486.4   | 1.4       |
| 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°    | 34476.0 | 100.0     |
| 0°-180°   | 34476.0 | 100.0     |

**Coefficient of Utilization**



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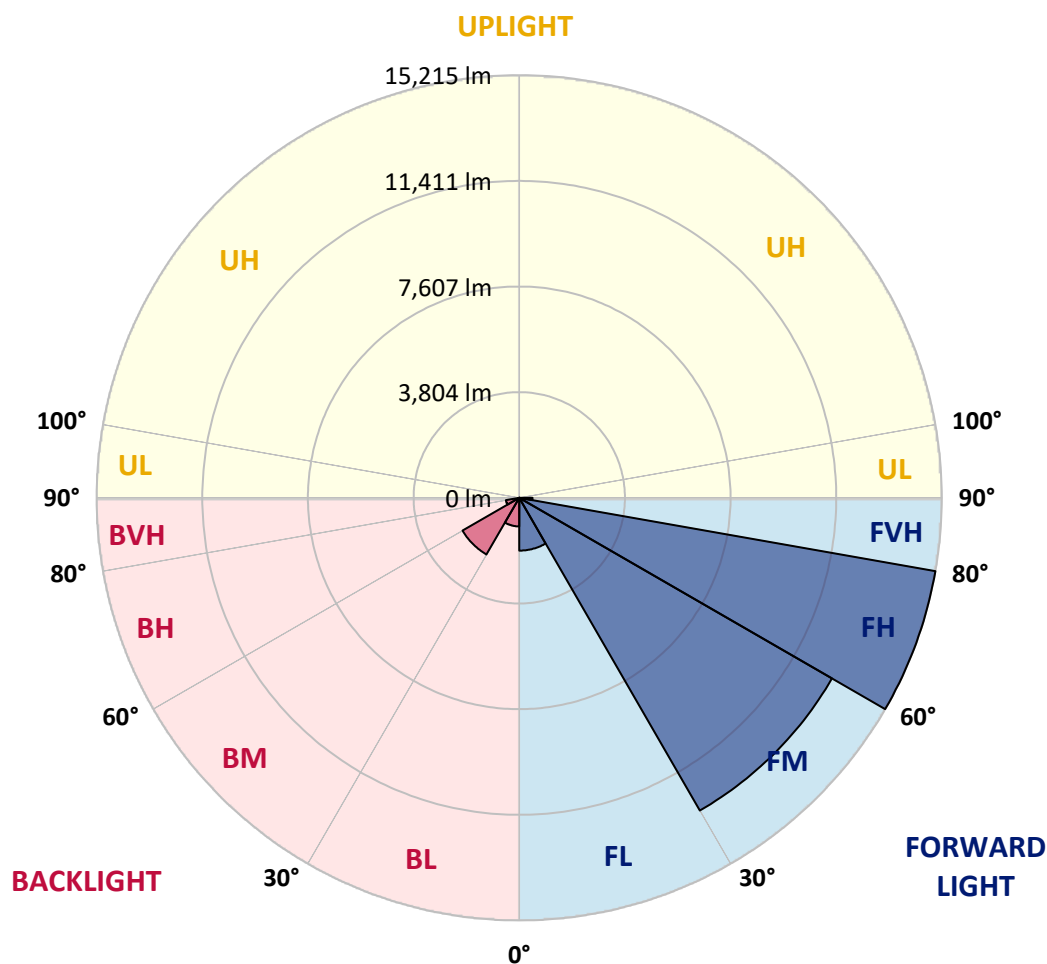
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1900.5  | 5.5       |                         |      |        |
| FM   | (30°-60°)   | 13000.9 | 37.7      |                         |      |        |
| FH   | (60°-80°)   | 15214.7 | 44.1      |                         |      | G5     |
| FVH  | (80°-90°)   | 479.8   | 1.4       |                         |      | G3/500 |
| BL   | (0°-30°)    | 1031.0  | 3.0       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 2355.6  | 6.8       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 486.9   | 1.4       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 6.6     | 0.0       |                         |      | G0/10  |
| 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°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4996.7  | 4996.7  | 4996.7  | 4996.7  | 4996.7  | 4996.7  | 4996.7  | 4996.7  | 4996.7  | 4996.7  |
| 2.5°  | 4774.4  | 4814.8  | 4822.4  | 4835.1  | 4835.1  | 4850.2  | 4875.5  | 4910.8  | 4968.9  | 4999.3  |
| 5°    | 4400.6  | 4430.9  | 4468.8  | 4499.1  | 4557.2  | 4564.8  | 4663.3  | 4759.3  | 4893.2  | 4994.2  |
| 7.5°  | 4024.2  | 4059.5  | 4110.0  | 4183.3  | 4259.1  | 4281.8  | 4430.9  | 4592.5  | 4804.7  | 4994.2  |
| 10°   | 3758.9  | 3761.4  | 3806.9  | 3880.2  | 4001.4  | 4029.2  | 4211.1  | 4441.0  | 4706.2  | 4963.9  |
| 12.5° | 3609.9  | 3627.6  | 3647.8  | 3703.3  | 3819.5  | 3837.2  | 4031.7  | 4302.0  | 4607.7  | 4946.2  |
| 15°   | 3609.9  | 3622.5  | 3635.1  | 3662.9  | 3756.4  | 3771.5  | 3943.3  | 4213.6  | 4557.2  | 4953.8  |
| 17.5° | 3647.8  | 3668.0  | 3657.9  | 3690.7  | 3789.2  | 3799.3  | 3950.9  | 4188.4  | 4554.7  | 5001.8  |
| 20°   | 3738.7  | 3753.9  | 3733.7  | 3753.9  | 3852.4  | 3872.6  | 4029.2  | 4236.4  | 4597.6  | 5085.1  |
| 22.5° | 3882.7  | 3890.3  | 3842.3  | 3857.4  | 3958.5  | 3983.7  | 4165.6  | 4372.8  | 4701.2  | 5219.0  |
| 25°   | 4064.6  | 4079.7  | 4006.5  | 4024.2  | 4120.2  | 4150.5  | 4360.1  | 4577.4  | 4865.4  | 5403.4  |
| 27.5° | 4274.2  | 4281.8  | 4218.7  | 4216.1  | 4339.9  | 4382.9  | 4595.1  | 4830.0  | 5085.1  | 5635.8  |
| 30°   | 4514.2  | 4537.0  | 4476.3  | 4466.2  | 4622.9  | 4658.2  | 4867.9  | 5140.7  | 5408.5  | 5984.5  |
| 32.5° | 4703.7  | 4721.4  | 4686.0  | 4711.3  | 4870.4  | 4898.2  | 5198.8  | 5580.3  | 5916.2  | 6479.6  |
| 35°   | 4976.5  | 4986.6  | 4905.8  | 4951.3  | 5133.1  | 5203.9  | 5651.0  | 6196.7  | 6555.4  | 7101.0  |
| 37.5° | 5964.2  | 5964.2  | 5620.7  | 5395.9  | 5570.2  | 5633.3  | 6269.9  | 6972.2  | 7343.5  | 7934.6  |
| 40°   | 7330.9  | 7308.2  | 6805.5  | 6345.7  | 6323.0  | 6446.7  | 7151.5  | 7949.8  | 8361.6  | 8935.0  |
| 42.5° | 8788.5  | 8753.1  | 8068.5  | 7613.8  | 7538.0  | 7581.0  | 8169.6  | 9154.8  | 9574.1  | 10155.1 |
| 45°   | 10081.9 | 10071.8 | 9445.3  | 8834.0  | 8697.5  | 8834.0  | 9440.2  | 10564.4 | 10865.0 | 11476.3 |
| 47.5° | 11165.6 | 11165.6 | 10708.4 | 10309.2 | 10238.5 | 10319.3 | 11160.5 | 12128.1 | 12100.3 | 12883.4 |
| 50°   | 12413.5 | 12403.4 | 11968.9 | 11797.1 | 11870.4 | 11984.1 | 13141.0 | 13775.1 | 13378.5 | 14265.2 |
| 52.5° | 13287.6 | 13348.2 | 13199.1 | 13171.4 | 13545.2 | 13742.3 | 15151.9 | 15386.8 | 14522.8 | 15576.3 |
| 55°   | 13979.7 | 14050.5 | 14222.2 | 14416.7 | 15136.7 | 15394.4 | 17099.5 | 16915.1 | 15480.3 | 16713.0 |
| 57.5° | 14959.9 | 14858.8 | 15124.1 | 15508.0 | 16672.6 | 16983.3 | 18986.6 | 18357.5 | 16250.7 | 17635.1 |
| 60°   | 16149.7 | 16164.8 | 16210.3 | 16695.3 | 18206.0 | 18605.1 | 20845.8 | 19721.7 | 16745.9 | 18200.9 |
| 62.5° | 17579.5 | 17602.2 | 17695.7 | 18440.9 | 20264.8 | 20641.2 | 22826.3 | 20838.2 | 16973.2 | 18041.8 |
| 65°   | 17481.0 | 17577.0 | 18620.3 | 21169.2 | 23394.7 | 23766.0 | 25137.7 | 21621.3 | 16629.7 | 16586.7 |
| 67.5° | 15924.9 | 16081.5 | 17827.1 | 24427.9 | 28113.5 | 28527.8 | 27931.7 | 21775.4 | 15146.8 | 12898.5 |
| 70°   | 13883.7 | 13939.3 | 16038.5 | 27358.2 | 33577.6 | 33997.0 | 30432.6 | 20080.4 | 11494.0 | 7194.5  |
| 72.5° | 10842.2 | 10854.9 | 13317.9 | 28037.8 | 36543.3 | 36566.0 | 28469.7 | 14906.8 | 6181.5  | 2763.6  |
| 75°   | 7745.2  | 7669.4  | 8919.8  | 22737.9 | 32150.3 | 32408.0 | 21343.5 | 6992.4  | 2362.0  | 1306.0  |
| 77.5° | 4153.0  | 4236.4  | 5047.3  | 13484.6 | 22209.9 | 22649.5 | 11645.6 | 2015.9  | 1202.4  | 889.2   |
| 80°   | 1283.3  | 1354.0  | 2068.9  | 6173.9  | 12580.2 | 12845.5 | 4317.2  | 896.8   | 838.7   | 634.1   |
| 82.5° | 404.2   | 419.3   | 965.0   | 2594.4  | 5221.6  | 5342.8  | 1250.4  | 507.8   | 573.4   | 419.3   |
| 85°   | 116.2   | 118.7   | 429.4   | 967.5   | 1290.9  | 1316.1  | 351.1   | 197.0   | 328.4   | 260.2   |
| 87.5° | 12.6    | 40.4    | 161.7   | 161.7   | 113.7   | 111.2   | 37.9    | 42.9    | 93.5    | 32.8    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4996.7  | 0°    | 4996.7  | 4996.7  | 4996.7 | 4996.7 | 4996.7 | 4996.7 | 4996.7 | 4996.7 | 4996.7 | 4996.7 |
| 5019.5  | 2.5°  | 5006.8  | 5009.4  | 4976.5 | 4920.9 | 4860.3 | 4809.8 | 4746.6 | 4696.1 | 4660.8 | 4650.6 |
| 5064.9  | 5°    | 5042.2  | 5024.5  | 4931.0 | 4761.8 | 4559.7 | 4385.4 | 4190.9 | 4036.8 | 3935.7 | 3892.8 |
| 5112.9  | 7.5°  | 5095.2  | 5044.7  | 4840.1 | 4506.7 | 4120.2 | 3776.6 | 3428.0 | 3157.7 | 2985.9 | 2900.0 |
| 5158.4  | 10°   | 5140.7  | 5039.7  | 4688.5 | 4137.8 | 3546.7 | 3026.3 | 2556.5 | 2230.6 | 2048.7 | 1962.8 |
| 5211.5  | 12.5° | 5183.7  | 5037.1  | 4491.5 | 3700.8 | 2900.0 | 2263.4 | 1826.4 | 1664.7 | 1614.2 | 1596.5 |
| 5297.3  | 15°   | 5264.5  | 5044.7  | 4243.9 | 3200.6 | 2255.9 | 1710.2 | 1551.1 | 1548.5 | 1558.6 | 1553.6 |
| 5428.7  | 17.5° | 5375.7  | 5052.3  | 3963.5 | 2670.1 | 1740.5 | 1508.1 | 1500.5 | 1523.3 | 1538.4 | 1530.8 |
| 5592.9  | 20°   | 5519.6  | 5082.6  | 3665.4 | 2144.7 | 1495.5 | 1457.6 | 1475.3 | 1495.5 | 1508.1 | 1495.5 |
| 5812.7  | 22.5° | 5721.7  | 5135.7  | 3339.6 | 1722.8 | 1417.2 | 1427.3 | 1442.4 | 1465.2 | 1477.8 | 1460.1 |
| 6093.1  | 25°   | 5969.3  | 5219.0  | 3018.8 | 1498.0 | 1379.3 | 1391.9 | 1414.6 | 1439.9 | 1455.1 | 1437.4 |
| 6446.7  | 27.5° | 6290.1  | 5352.9  | 2723.2 | 1447.5 | 1341.4 | 1349.0 | 1381.8 | 1419.7 | 1439.9 | 1417.2 |
| 6949.4  | 30°   | 6754.9  | 5572.7  | 2468.1 | 1470.2 | 1318.7 | 1301.0 | 1346.4 | 1399.5 | 1422.2 | 1402.0 |
| 7634.0  | 32.5° | 7371.3  | 5883.4  | 2311.4 | 1505.6 | 1308.5 | 1245.4 | 1288.3 | 1356.5 | 1394.4 | 1381.8 |
| 8528.3  | 35°   | 8179.7  | 6355.8  | 2250.8 | 1546.0 | 1301.0 | 1187.3 | 1217.6 | 1290.9 | 1356.5 | 1369.2 |
| 9655.0  | 37.5° | 9159.8  | 7012.6  | 2268.5 | 1563.7 | 1278.2 | 1139.3 | 1154.5 | 1217.6 | 1303.5 | 1343.9 |
| 10923.1 | 40°   | 10273.9 | 7778.0  | 2369.5 | 1546.0 | 1253.0 | 1098.9 | 1101.4 | 1149.4 | 1225.2 | 1285.8 |
| 12287.2 | 42.5° | 11423.3 | 8672.3  | 2556.5 | 1480.3 | 1230.2 | 1063.5 | 1055.9 | 1088.8 | 1139.3 | 1182.2 |
| 13648.8 | 45°   | 12517.1 | 9591.8  | 2740.9 | 1389.4 | 1202.4 | 1028.1 | 1010.5 | 1023.1 | 1033.2 | 1050.9 |
| 14975.0 | 47.5° | 13472.0 | 10238.5 | 2687.8 | 1306.0 | 1164.6 | 987.7  | 957.4  | 952.4  | 922.0  | 919.5  |
| 16159.8 | 50°   | 14131.3 | 10380.0 | 2387.2 | 1222.7 | 1109.0 | 942.3  | 894.3  | 863.9  | 810.9  | 785.6  |
| 17046.5 | 52.5° | 14341.0 | 9821.7  | 1950.2 | 1139.3 | 1018.0 | 881.6  | 813.4  | 765.4  | 699.7  | 677.0  |
| 17556.8 | 55°   | 14063.1 | 8727.9  | 1558.6 | 1038.2 | 891.7  | 800.8  | 725.0  | 661.9  | 608.8  | 581.0  |
| 17612.3 | 57.5° | 13383.6 | 7335.9  | 1232.8 | 919.5  | 757.8  | 709.8  | 634.1  | 570.9  | 525.4  | 497.7  |
| 16995.9 | 60°   | 12256.9 | 5825.3  | 975.1  | 778.1  | 646.7  | 611.3  | 533.0  | 492.6  | 452.2  | 419.3  |
| 15404.5 | 62.5° | 10546.7 | 4158.0  | 765.4  | 616.4  | 540.6  | 500.2  | 454.7  | 424.4  | 376.4  | 330.9  |
| 12542.3 | 65°   | 8230.2  | 2543.8  | 591.1  | 452.2  | 434.5  | 414.3  | 386.5  | 358.7  | 300.6  | 255.1  |
| 8182.2  | 67.5° | 5191.2  | 1205.0  | 421.9  | 341.0  | 343.6  | 333.5  | 320.8  | 298.1  | 255.1  | 214.7  |
| 3665.4  | 70°   | 2286.2  | 583.5   | 277.9  | 260.2  | 255.1  | 255.1  | 265.2  | 257.7  | 217.2  | 179.4  |
| 1273.2  | 72.5° | 778.1   | 313.2   | 207.1  | 197.0  | 184.4  | 181.9  | 222.3  | 214.7  | 174.3  | 138.9  |
| 634.1   | 75°   | 406.7   | 209.7   | 151.6  | 141.5  | 111.2  | 133.9  | 176.8  | 166.7  | 123.8  | 90.9   |
| 419.3   | 77.5° | 265.2   | 149.0   | 103.6  | 90.9   | 63.2   | 88.4   | 131.4  | 116.2  | 73.3   | 45.5   |
| 275.4   | 80°   | 166.7   | 98.5    | 60.6   | 42.9   | 30.3   | 48.0   | 70.7   | 50.5   | 27.8   | 10.1   |
| 161.7   | 82.5° | 88.4    | 50.5    | 22.7   | 15.2   | 12.6   | 15.2   | 17.7   | 12.6   | 5.1    | 0.0    |
| 83.4    | 85°   | 35.4    | 17.7    | 7.6    | 5.1    | 2.5    | 0.0    | 5.1    | 2.5    | 0.0    | 0.0    |
| 15.2    | 87.5° | 12.6    | 2.5     | 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°   |
|--------|
| 4996.7 |
| 4668.3 |
| 3908.0 |
| 2912.7 |
| 1965.3 |
| 1591.5 |
| 1551.1 |
| 1528.3 |
| 1493.0 |
| 1457.6 |
| 1434.9 |
| 1417.2 |
| 1399.5 |
| 1381.8 |
| 1369.2 |
| 1354.0 |
| 1306.0 |
| 1199.9 |
| 1061.0 |
| 917.0  |
| 788.2  |
| 674.5  |
| 581.0  |
| 492.6  |
| 411.8  |
| 323.3  |
| 247.6  |
| 209.7  |
| 171.8  |
| 131.4  |
| 83.4   |
| 40.4   |
| 7.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |