

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: P942508

Luminaire Tested: **GLAN-SB6C-750-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942508  
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-SB6C-750-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA 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: 36379 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

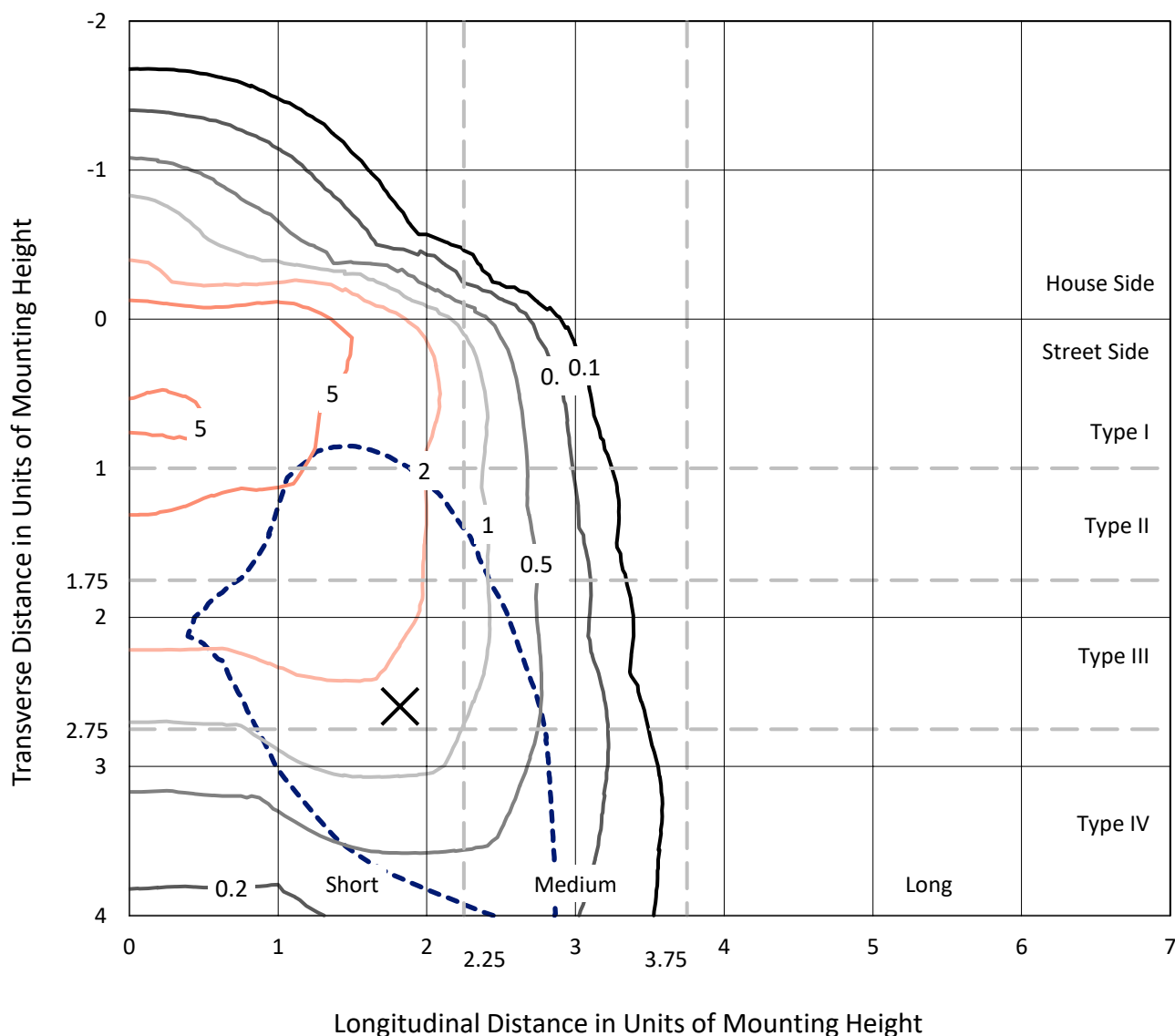
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

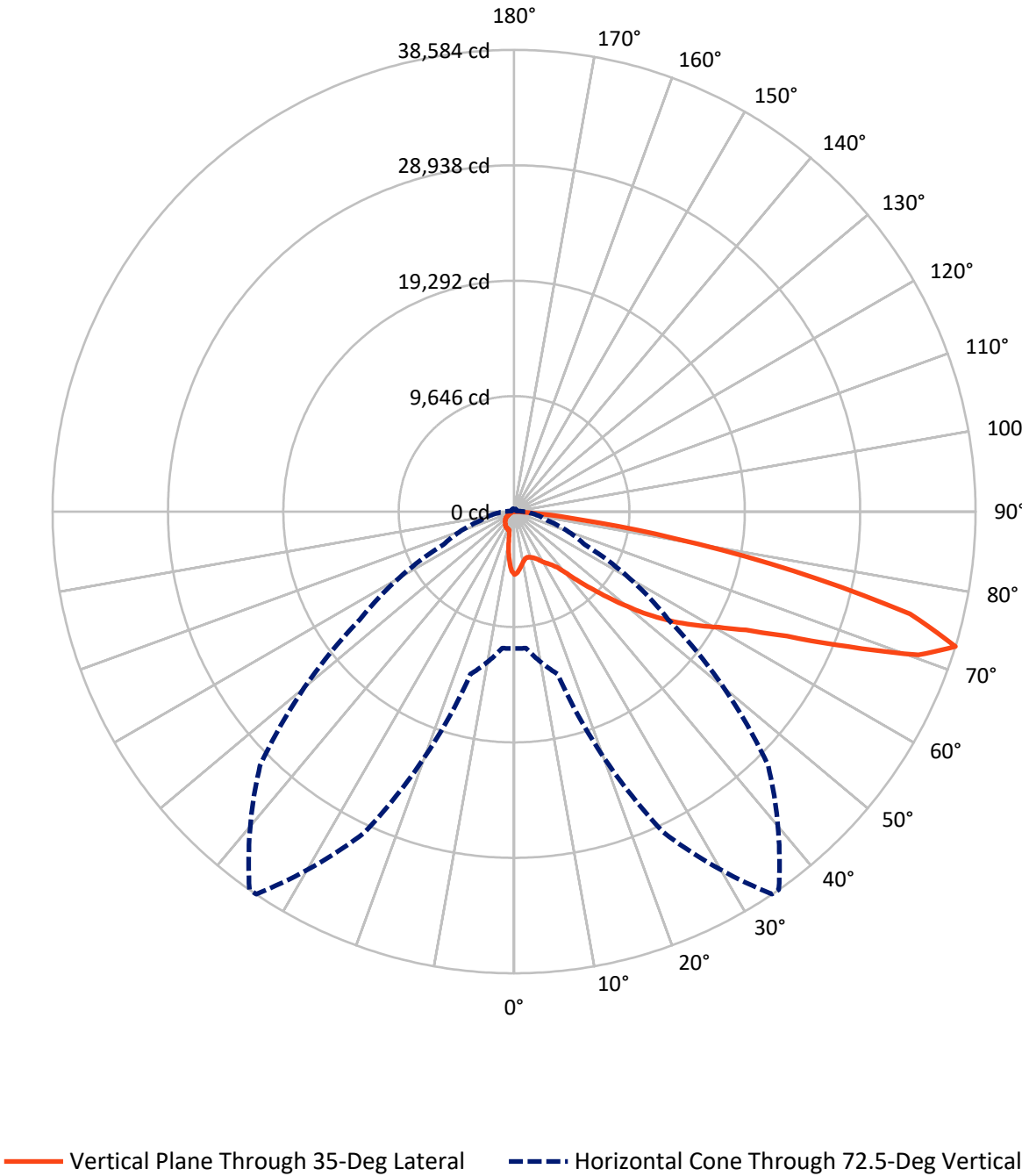
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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    | 4094.3   | 0.0    | 4094.3  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 32284.7  | 0.0    | 32284.7 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 36379.0  | 0.0    | 36379.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 433.3   | 1.2       |
| 10°-20°   | 1013.6  | 2.8       |
| 20°-30°   | 1646.5  | 4.5       |
| 30°-40°   | 2747.2  | 7.6       |
| 40°-50°   | 5197.7  | 14.3      |
| 50°-60°   | 8259.2  | 22.7      |
| 60°-70°   | 10217.2 | 28.1      |
| 70°-80°   | 6351.1  | 17.5      |
| 80°-90°   | 513.3   | 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°    | 36379.0 | 100.0     |
| 0°-180°   | 36379.0 | 100.0     |

**Coefficient of Utilization**



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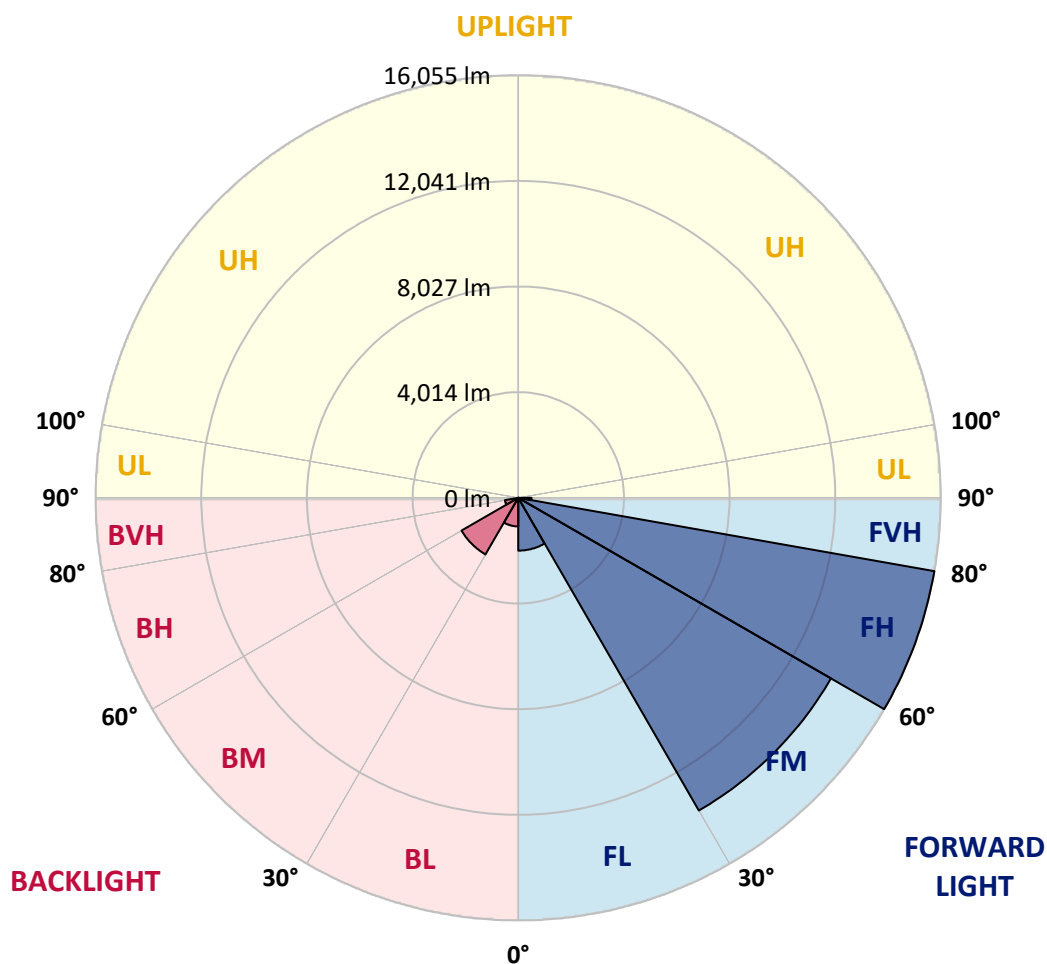
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2005.4  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 13718.5 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 16054.5 | 44.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 506.3   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1087.9  | 3.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2485.6  | 6.8       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 513.8   | 1.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 7.0     | 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°    | 5272.5  | 5272.5  | 5272.5  | 5272.5  | 5272.5  | 5272.5  | 5272.5  | 5272.5  | 5272.5  | 5272.5  |
| 2.5°  | 5038.0  | 5080.6  | 5088.6  | 5101.9  | 5101.9  | 5117.9  | 5144.6  | 5181.9  | 5243.2  | 5275.2  |
| 5°    | 4643.5  | 4675.4  | 4715.4  | 4747.4  | 4808.7  | 4816.7  | 4920.7  | 5022.0  | 5163.2  | 5269.9  |
| 7.5°  | 4246.3  | 4283.6  | 4336.9  | 4414.2  | 4494.2  | 4518.2  | 4675.4  | 4846.0  | 5070.0  | 5269.9  |
| 10°   | 3966.4  | 3969.1  | 4017.0  | 4094.3  | 4222.3  | 4251.6  | 4443.5  | 4686.1  | 4966.0  | 5237.9  |
| 12.5° | 3809.1  | 3827.8  | 3849.1  | 3907.8  | 4030.4  | 4049.0  | 4254.3  | 4539.5  | 4862.0  | 5219.2  |
| 15°   | 3809.1  | 3822.5  | 3835.8  | 3865.1  | 3963.7  | 3979.7  | 4161.0  | 4446.2  | 4808.7  | 5227.2  |
| 17.5° | 3849.1  | 3870.4  | 3859.8  | 3894.4  | 3998.4  | 4009.0  | 4169.0  | 4419.5  | 4806.1  | 5277.9  |
| 20°   | 3945.1  | 3961.1  | 3939.7  | 3961.1  | 4065.0  | 4086.3  | 4251.6  | 4470.2  | 4851.4  | 5365.8  |
| 22.5° | 4097.0  | 4105.0  | 4054.4  | 4070.4  | 4177.0  | 4203.6  | 4395.6  | 4614.1  | 4960.7  | 5507.1  |
| 25°   | 4288.9  | 4304.9  | 4227.6  | 4246.3  | 4347.6  | 4379.6  | 4600.8  | 4830.0  | 5133.9  | 5701.7  |
| 27.5° | 4510.2  | 4518.2  | 4451.5  | 4448.9  | 4579.5  | 4624.8  | 4848.7  | 5096.6  | 5365.8  | 5946.9  |
| 30°   | 4763.4  | 4787.4  | 4723.4  | 4712.8  | 4878.0  | 4915.3  | 5136.6  | 5424.5  | 5707.0  | 6314.8  |
| 32.5° | 4963.3  | 4982.0  | 4944.7  | 4971.3  | 5139.3  | 5168.6  | 5485.8  | 5888.3  | 6242.8  | 6837.2  |
| 35°   | 5251.2  | 5261.9  | 5176.6  | 5224.6  | 5416.5  | 5491.1  | 5962.9  | 6538.7  | 6917.2  | 7493.0  |
| 37.5° | 6293.5  | 6293.5  | 5930.9  | 5693.7  | 5877.6  | 5944.3  | 6616.0  | 7357.0  | 7748.9  | 8372.6  |
| 40°   | 7735.5  | 7711.6  | 7181.1  | 6696.0  | 6672.0  | 6802.6  | 7546.3  | 8388.6  | 8823.1  | 9428.2  |
| 42.5° | 9273.6  | 9236.3  | 8513.9  | 8034.1  | 7954.1  | 7999.4  | 8620.5  | 9660.1  | 10102.6 | 10715.7 |
| 45°   | 10638.4 | 10627.7 | 9966.6  | 9321.6  | 9177.6  | 9321.6  | 9961.3  | 11147.5 | 11464.7 | 12109.8 |
| 47.5° | 11781.9 | 11781.9 | 11299.4 | 10878.3 | 10803.6 | 10888.9 | 11776.6 | 12797.5 | 12768.2 | 13594.5 |
| 50°   | 13098.7 | 13088.0 | 12629.6 | 12448.3 | 12525.6 | 12645.6 | 13866.4 | 14535.5 | 14117.0 | 15052.6 |
| 52.5° | 14021.0 | 14085.0 | 13927.7 | 13898.4 | 14292.9 | 14500.8 | 15988.2 | 16236.1 | 15324.5 | 16436.0 |
| 55°   | 14751.4 | 14826.0 | 15007.3 | 15212.5 | 15972.2 | 16244.1 | 18043.4 | 17848.8 | 16334.7 | 17635.5 |
| 57.5° | 15785.6 | 15679.0 | 15958.9 | 16364.1 | 17592.9 | 17920.8 | 20034.6 | 19370.8 | 17147.7 | 18608.5 |
| 60°   | 17041.1 | 17057.1 | 17105.1 | 17616.9 | 19210.9 | 19632.1 | 21996.4 | 20810.3 | 17670.2 | 19205.6 |
| 62.5° | 18549.8 | 18573.8 | 18672.5 | 19458.8 | 21383.4 | 21780.5 | 24086.3 | 21988.5 | 17910.1 | 19037.6 |
| 65°   | 18445.9 | 18547.2 | 19648.1 | 22337.6 | 24686.0 | 25077.9 | 26525.3 | 22814.8 | 17547.6 | 17502.3 |
| 67.5° | 16803.9 | 16969.1 | 18811.1 | 25776.3 | 29665.3 | 30102.5 | 29473.4 | 22977.4 | 15982.9 | 13610.5 |
| 70°   | 14650.1 | 14708.7 | 16923.8 | 28868.3 | 35431.0 | 35873.5 | 32112.4 | 21188.8 | 12128.4 | 7591.6  |
| 72.5° | 11440.7 | 11454.0 | 14053.0 | 29585.4 | 38560.4 | 38584.4 | 30041.2 | 15729.6 | 6522.7  | 2916.2  |
| 75°   | 8172.7  | 8092.7  | 9412.2  | 23993.0 | 33925.0 | 34196.9 | 22521.6 | 7378.4  | 2492.3  | 1378.1  |
| 77.5° | 4382.2  | 4470.2  | 5325.8  | 14228.9 | 23435.9 | 23899.7 | 12288.4 | 2127.1  | 1268.8  | 938.3   |
| 80°   | 1354.1  | 1428.8  | 2183.1  | 6514.7  | 13274.6 | 13554.5 | 4555.5  | 946.3   | 885.0   | 669.1   |
| 82.5° | 426.5   | 442.5   | 1018.3  | 2737.6  | 5509.8  | 5637.7  | 1319.5  | 535.8   | 605.1   | 442.5   |
| 85°   | 122.6   | 125.3   | 453.2   | 1020.9  | 1362.1  | 1388.8  | 370.5   | 207.9   | 346.5   | 274.6   |
| 87.5° | 13.3    | 42.6    | 170.6   | 170.6   | 120.0   | 117.3   | 40.0    | 45.3    | 98.6    | 34.7    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5272.5  | 0°    | 5272.5  | 5272.5  | 5272.5 | 5272.5 | 5272.5 | 5272.5 | 5272.5 | 5272.5 | 5272.5 | 5272.5 |
| 5296.5  | 2.5°  | 5283.2  | 5285.9  | 5251.2 | 5192.6 | 5128.6 | 5075.3 | 5008.6 | 4955.3 | 4918.0 | 4907.4 |
| 5344.5  | 5°    | 5320.5  | 5301.9  | 5203.2 | 5024.6 | 4811.4 | 4627.5 | 4422.2 | 4259.6 | 4153.0 | 4107.7 |
| 5395.2  | 7.5°  | 5376.5  | 5323.2  | 5107.3 | 4755.4 | 4347.6 | 3985.1 | 3617.2 | 3332.0 | 3150.7 | 3060.1 |
| 5443.1  | 10°   | 5424.5  | 5317.9  | 4947.3 | 4366.2 | 3742.5 | 3193.4 | 2697.6 | 2353.7 | 2161.8 | 2071.2 |
| 5499.1  | 12.5° | 5469.8  | 5315.2  | 4739.4 | 3905.1 | 3060.1 | 2388.4 | 1927.2 | 1756.6 | 1703.3 | 1684.7 |
| 5589.7  | 15°   | 5555.1  | 5323.2  | 4478.2 | 3377.3 | 2380.4 | 1804.6 | 1636.7 | 1634.0 | 1644.7 | 1639.3 |
| 5728.4  | 17.5° | 5672.4  | 5331.2  | 4182.3 | 2817.5 | 1836.6 | 1591.4 | 1583.4 | 1607.4 | 1623.3 | 1615.3 |
| 5901.6  | 20°   | 5824.3  | 5363.2  | 3867.8 | 2263.1 | 1578.0 | 1538.0 | 1556.7 | 1578.0 | 1591.4 | 1578.0 |
| 6133.5  | 22.5° | 6037.6  | 5419.1  | 3523.9 | 1817.9 | 1495.4 | 1506.1 | 1522.1 | 1546.0 | 1559.4 | 1540.7 |
| 6429.4  | 25°   | 6298.8  | 5507.1  | 3185.4 | 1580.7 | 1455.4 | 1468.7 | 1492.7 | 1519.4 | 1535.4 | 1516.7 |
| 6802.6  | 27.5° | 6637.3  | 5648.4  | 2873.5 | 1527.4 | 1415.4 | 1423.4 | 1458.1 | 1498.1 | 1519.4 | 1495.4 |
| 7333.0  | 30°   | 7127.8  | 5880.3  | 2604.3 | 1551.4 | 1391.4 | 1372.8 | 1420.8 | 1476.7 | 1500.7 | 1479.4 |
| 8055.4  | 32.5° | 7778.2  | 6208.2  | 2439.0 | 1588.7 | 1380.8 | 1314.1 | 1359.5 | 1431.4 | 1471.4 | 1458.1 |
| 8999.0  | 35°   | 8631.2  | 6706.6  | 2375.0 | 1631.3 | 1372.8 | 1252.8 | 1284.8 | 1362.1 | 1431.4 | 1444.7 |
| 10187.9 | 37.5° | 9665.4  | 7399.7  | 2393.7 | 1650.0 | 1348.8 | 1202.2 | 1218.2 | 1284.8 | 1375.4 | 1418.1 |
| 11526.0 | 40°   | 10841.0 | 8207.4  | 2500.3 | 1631.3 | 1322.1 | 1159.5 | 1162.2 | 1212.8 | 1292.8 | 1356.8 |
| 12965.4 | 42.5° | 12053.8 | 9151.0  | 2697.6 | 1562.0 | 1298.1 | 1122.2 | 1114.2 | 1148.9 | 1202.2 | 1247.5 |
| 14402.2 | 45°   | 13208.0 | 10121.2 | 2892.2 | 1466.1 | 1268.8 | 1084.9 | 1066.2 | 1079.6 | 1090.2 | 1108.9 |
| 15801.6 | 47.5° | 14215.6 | 10803.6 | 2836.2 | 1378.1 | 1228.8 | 1042.2 | 1010.3 | 1004.9 | 972.9  | 970.3  |
| 17051.8 | 50°   | 14911.3 | 10952.9 | 2519.0 | 1290.1 | 1170.2 | 994.3  | 943.6  | 911.6  | 855.7  | 829.0  |
| 17987.4 | 52.5° | 15132.6 | 10363.8 | 2057.8 | 1202.2 | 1074.2 | 930.3  | 858.3  | 807.7  | 738.4  | 714.4  |
| 18525.8 | 55°   | 14839.3 | 9209.6  | 1644.7 | 1095.6 | 941.0  | 845.0  | 765.0  | 698.4  | 642.4  | 613.1  |
| 18584.5 | 57.5° | 14122.3 | 7740.9  | 1300.8 | 970.3  | 799.7  | 749.0  | 669.1  | 602.4  | 554.4  | 525.1  |
| 17934.1 | 60°   | 12933.4 | 6146.9  | 1028.9 | 821.0  | 682.4  | 645.1  | 562.4  | 519.8  | 477.1  | 442.5  |
| 16254.8 | 62.5° | 11128.8 | 4387.6  | 807.7  | 650.4  | 570.4  | 527.8  | 479.8  | 447.8  | 397.2  | 349.2  |
| 13234.7 | 65°   | 8684.5  | 2684.2  | 623.7  | 477.1  | 458.5  | 437.2  | 407.8  | 378.5  | 317.2  | 269.2  |
| 8633.8  | 67.5° | 5477.8  | 1271.5  | 445.2  | 359.9  | 362.5  | 351.9  | 338.5  | 314.5  | 269.2  | 226.6  |
| 3867.8  | 70°   | 2412.4  | 615.8   | 293.2  | 274.6  | 269.2  | 269.2  | 279.9  | 271.9  | 229.2  | 189.3  |
| 1343.5  | 72.5° | 821.0   | 330.5   | 218.6  | 207.9  | 194.6  | 191.9  | 234.6  | 226.6  | 183.9  | 146.6  |
| 669.1   | 75°   | 429.2   | 221.2   | 159.9  | 149.3  | 117.3  | 141.3  | 186.6  | 175.9  | 130.6  | 96.0   |
| 442.5   | 77.5° | 279.9   | 157.3   | 109.3  | 96.0   | 66.6   | 93.3   | 138.6  | 122.6  | 77.3   | 48.0   |
| 290.5   | 80°   | 175.9   | 104.0   | 64.0   | 45.3   | 32.0   | 50.6   | 74.6   | 53.3   | 29.3   | 10.7   |
| 170.6   | 82.5° | 93.3    | 53.3    | 24.0   | 16.0   | 13.3   | 16.0   | 18.7   | 13.3   | 5.3    | 0.0    |
| 88.0    | 85°   | 37.3    | 18.7    | 8.0    | 5.3    | 2.7    | 0.0    | 5.3    | 2.7    | 0.0    | 0.0    |
| 16.0    | 87.5° | 13.3    | 2.7     | 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°   |
|--------|
| 5272.5 |
| 4926.0 |
| 4123.7 |
| 3073.4 |
| 2073.8 |
| 1679.3 |
| 1636.7 |
| 1612.7 |
| 1575.4 |
| 1538.0 |
| 1514.1 |
| 1495.4 |
| 1476.7 |
| 1458.1 |
| 1444.7 |
| 1428.8 |
| 1378.1 |
| 1266.2 |
| 1119.5 |
| 967.6  |
| 831.7  |
| 711.7  |
| 613.1  |
| 519.8  |
| 434.5  |
| 341.2  |
| 261.2  |
| 221.2  |
| 181.3  |
| 138.6  |
| 88.0   |
| 42.6   |
| 8.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |