

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: P941877

Luminaire Tested: **GLAN-SB5C-840-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 36210 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 249.5  
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

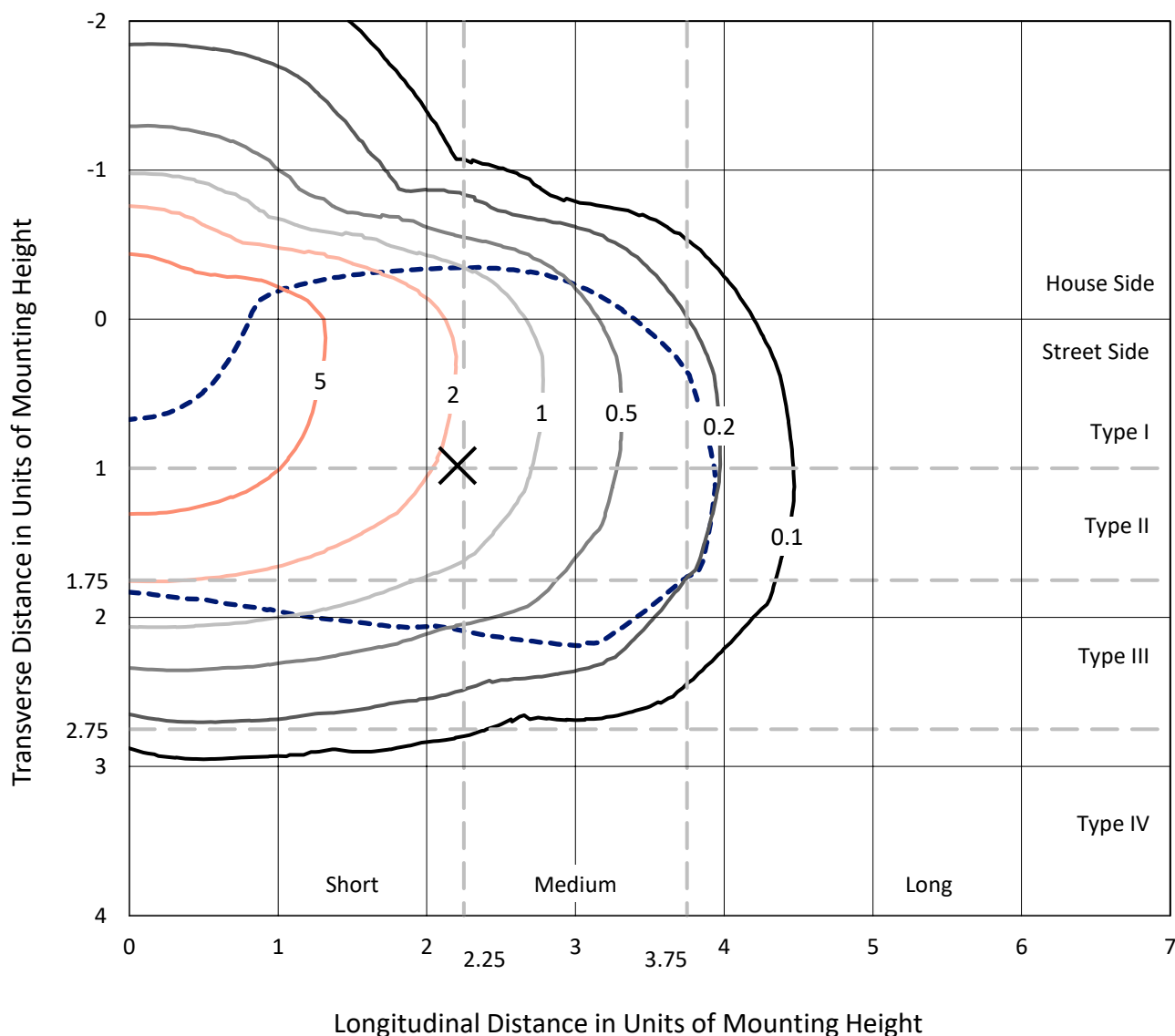


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

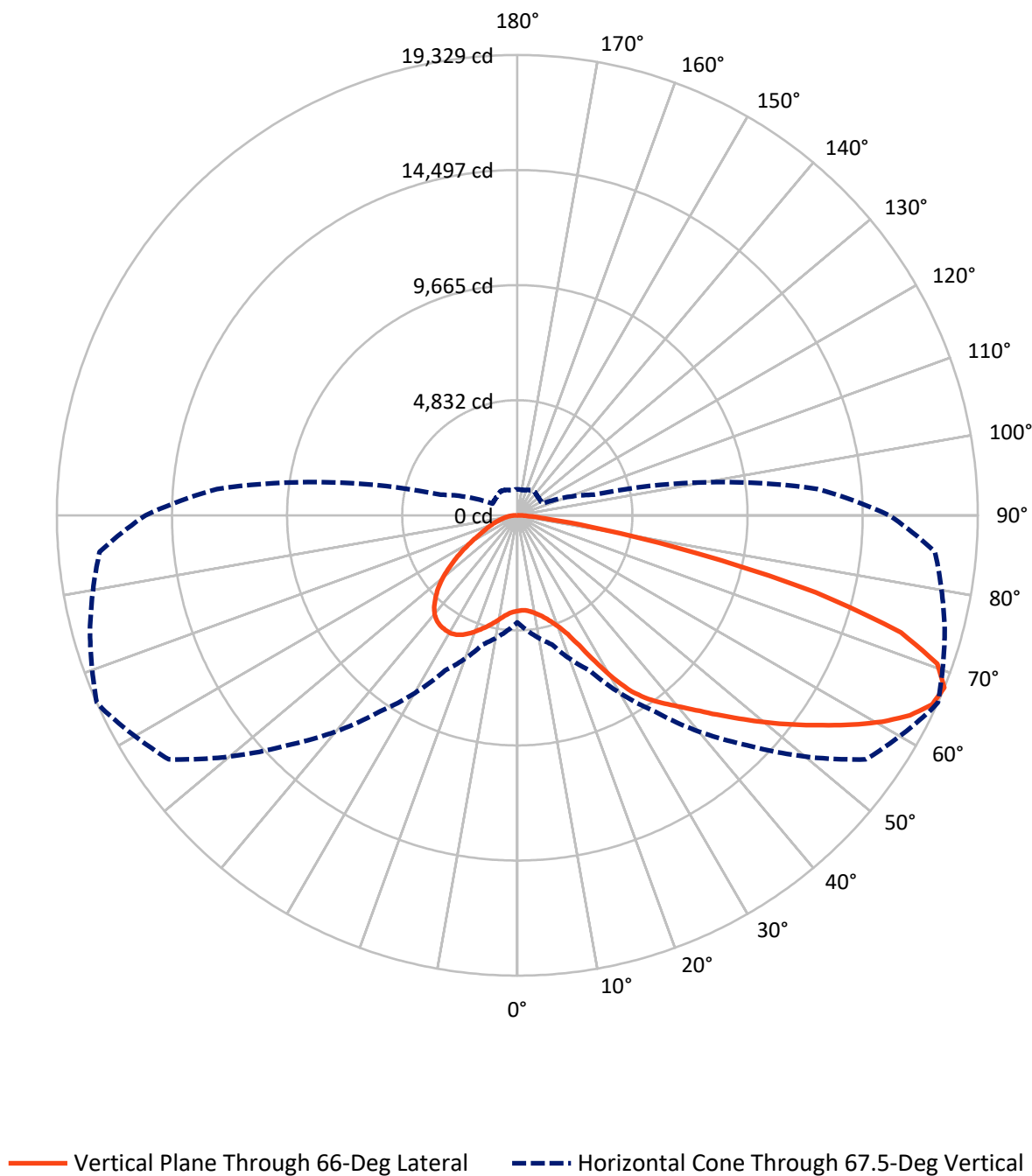


Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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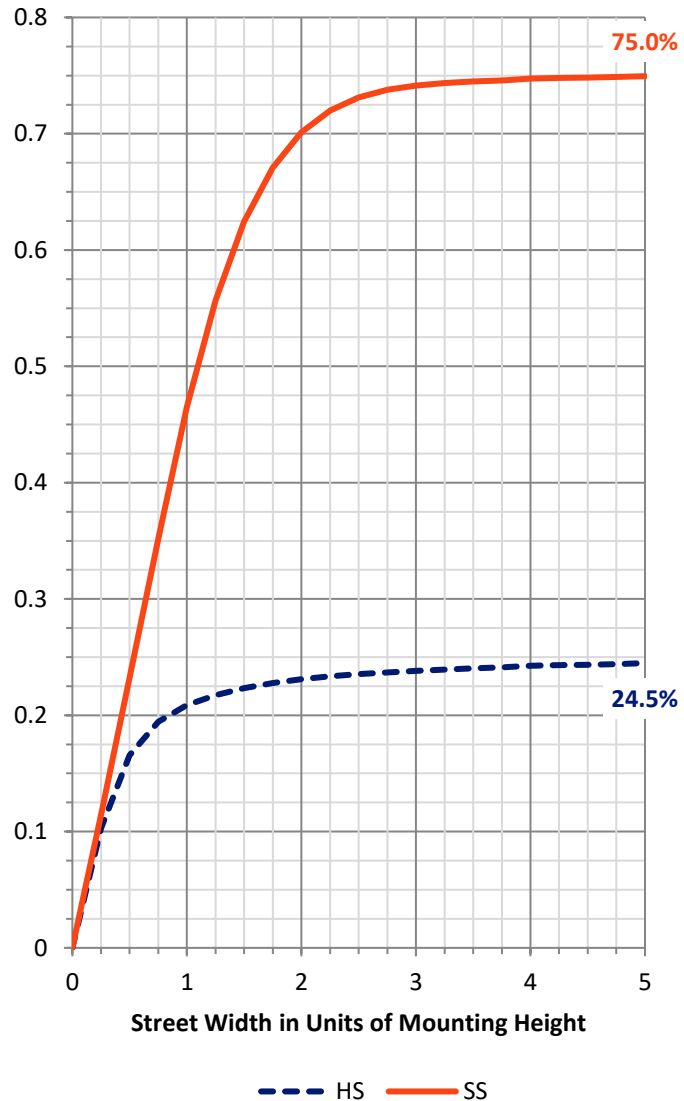
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9003.5   | 0.0    | 9003.5  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 27206.5  | 0.0    | 27206.5 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 36210.0  | 0.0    | 36210.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 398.2   | 1.1       |
| 10°-20°   | 1315.6  | 3.6       |
| 20°-30°   | 2535.7  | 7.0       |
| 30°-40°   | 4446.0  | 12.3      |
| 40°-50°   | 6609.7  | 18.3      |
| 50°-60°   | 8378.4  | 23.1      |
| 60°-70°   | 8198.1  | 22.6      |
| 70°-80°   | 3910.6  | 10.8      |
| 80°-90°   | 417.9   | 1.2       |
| 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°    | 36210.0 | 100.0     |
| 0°-180°   | 36210.0 | 100.0     |

**Coefficient of Utilization**



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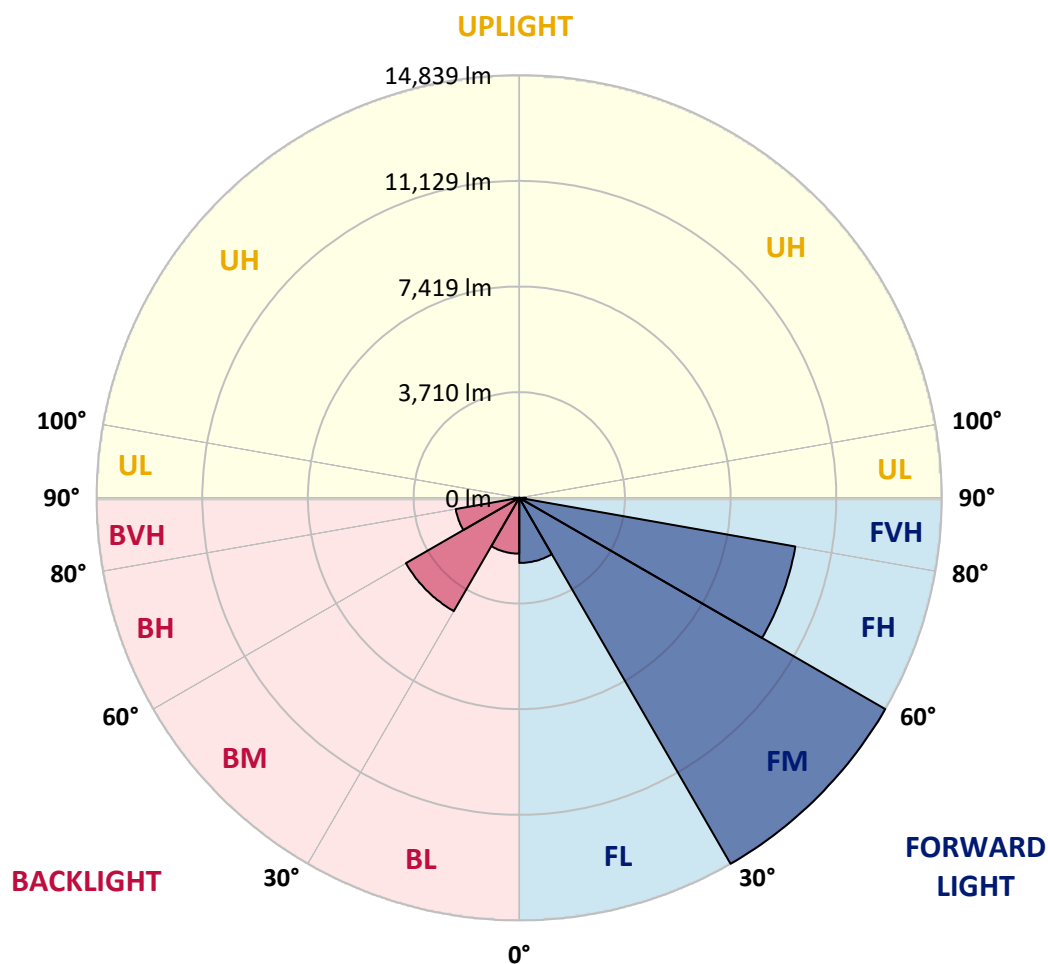
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2288.1  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 14838.5 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 9842.9  | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 237.0   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1961.3  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4595.5  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2265.7  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 181.0   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

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

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4016.2  | 4016.2  | 4016.2  | 4016.2  | 4016.2  | 4016.2  | 4016.2  | 4016.2  | 4016.2  | 4016.2  |
| 2.5°  | 3974.3  | 3997.1  | 3991.4  | 3981.9  | 3980.0  | 3983.8  | 3989.5  | 3995.2  | 3993.3  | 4002.9  |
| 5°    | 3962.9  | 3985.7  | 3983.8  | 3983.8  | 3991.4  | 4006.7  | 4016.2  | 4025.7  | 4016.2  | 4027.6  |
| 7.5°  | 3970.5  | 3987.6  | 3995.2  | 4002.9  | 4021.9  | 4050.4  | 4073.2  | 4094.2  | 4082.8  | 4096.1  |
| 10°   | 4067.5  | 4080.9  | 4088.5  | 4088.5  | 4101.8  | 4134.1  | 4157.0  | 4195.0  | 4185.5  | 4206.4  |
| 12.5° | 4244.5  | 4257.8  | 4257.8  | 4250.2  | 4259.7  | 4280.6  | 4288.2  | 4330.1  | 4313.0  | 4347.2  |
| 15°   | 4461.4  | 4488.0  | 4467.1  | 4453.7  | 4457.5  | 4478.5  | 4476.6  | 4508.9  | 4491.8  | 4520.3  |
| 17.5° | 4701.1  | 4735.3  | 4701.1  | 4699.2  | 4691.6  | 4714.4  | 4716.3  | 4744.8  | 4714.4  | 4735.3  |
| 20°   | 4984.5  | 5032.1  | 5003.6  | 5013.1  | 4996.0  | 5005.5  | 5015.0  | 5056.8  | 5009.3  | 5024.5  |
| 22.5° | 5384.1  | 5441.1  | 5410.7  | 5446.8  | 5435.4  | 5427.8  | 5425.9  | 5500.1  | 5425.9  | 5431.6  |
| 25°   | 5966.2  | 6034.7  | 5981.4  | 6030.9  | 6030.9  | 6055.6  | 6084.2  | 6179.3  | 6055.6  | 6019.5  |
| 27.5° | 6826.2  | 6894.6  | 6790.0  | 6820.4  | 6810.9  | 6871.8  | 6841.4  | 7077.3  | 6944.1  | 6885.1  |
| 30°   | 7861.1  | 7982.9  | 7785.0  | 7777.4  | 7767.9  | 7864.9  | 7908.7  | 8064.7  | 7929.6  | 7870.6  |
| 32.5° | 8979.8  | 9107.2  | 8871.3  | 8802.8  | 8766.7  | 8825.7  | 8789.5  | 8915.1  | 8821.9  | 8730.6  |
| 35°   | 10163.1 | 10288.7 | 10064.2 | 9931.0  | 9786.4  | 9662.8  | 9533.4  | 9565.7  | 9478.2  | 9339.3  |
| 37.5° | 11281.8 | 11512.0 | 11274.2 | 11131.5 | 10865.2 | 10623.5 | 10262.1 | 10111.8 | 10030.0 | 9902.5  |
| 40°   | 12421.4 | 12552.7 | 12371.9 | 12250.2 | 11961.0 | 11582.4 | 11004.0 | 10686.3 | 10576.0 | 10452.3 |
| 42.5° | 13260.4 | 13386.0 | 13288.9 | 13205.2 | 12978.8 | 12539.3 | 11791.7 | 11394.0 | 11234.2 | 11095.4 |
| 45°   | 13926.3 | 14019.5 | 13958.6 | 13989.0 | 13892.0 | 13465.9 | 12607.8 | 12153.1 | 11987.6 | 11818.3 |
| 47.5° | 14194.5 | 14293.4 | 14390.5 | 14571.2 | 14736.7 | 14422.8 | 13484.9 | 12975.0 | 12800.0 | 12626.9 |
| 50°   | 14164.1 | 14264.9 | 14546.5 | 14930.8 | 15444.5 | 15339.8 | 14409.5 | 13850.2 | 13688.5 | 13490.6 |
| 52.5° | 13920.6 | 14034.7 | 14396.2 | 15035.4 | 15853.5 | 16026.6 | 15351.2 | 14753.9 | 14601.7 | 14365.7 |
| 55°   | 13281.3 | 13349.8 | 13892.0 | 14797.6 | 15950.5 | 16506.0 | 16273.9 | 15716.5 | 15564.3 | 15235.2 |
| 57.5° | 12096.1 | 12195.0 | 12984.5 | 14156.5 | 15707.0 | 16831.4 | 17084.4 | 16728.6 | 16582.1 | 16108.4 |
| 60°   | 10549.3 | 10707.2 | 11610.9 | 13079.7 | 15086.8 | 16829.5 | 17820.7 | 17723.6 | 17601.9 | 16968.4 |
| 62.5° | 8799.0  | 8981.7  | 9851.1  | 11557.7 | 14002.4 | 16351.9 | 18281.1 | 18556.9 | 18494.2 | 17761.7 |
| 65°   | 6757.7  | 6883.2  | 7748.9  | 9588.6  | 12314.9 | 15326.5 | 18334.3 | 19125.8 | 19137.2 | 18364.8 |
| 67.5° | 4499.4  | 4860.9  | 5612.4  | 7195.2  | 10054.7 | 13650.4 | 17866.3 | 19219.0 | 19329.4 | 18572.2 |
| 70°   | 2195.5  | 2671.1  | 3407.4  | 4676.3  | 7195.2  | 11080.1 | 16643.0 | 18454.2 | 18699.6 | 17967.2 |
| 72.5° | 911.3   | 1065.4  | 1466.8  | 2307.7  | 4130.3  | 7476.8  | 14185.0 | 16380.5 | 16835.2 | 15920.1 |
| 75°   | 614.5   | 665.9   | 839.0   | 1183.4  | 1881.6  | 3687.0  | 10229.7 | 12214.0 | 12946.5 | 12023.8 |
| 77.5° | 473.7   | 506.1   | 610.7   | 827.6   | 1118.7  | 1394.5  | 5475.4  | 7360.8  | 7739.4  | 7164.8  |
| 80°   | 372.9   | 397.6   | 456.6   | 603.1   | 793.3   | 745.8   | 1866.3  | 3335.1  | 3553.9  | 2981.2  |
| 82.5° | 323.4   | 332.9   | 327.2   | 409.0   | 527.0   | 435.7   | 612.6   | 1230.9  | 1358.4  | 985.5   |
| 85°   | 234.0   | 260.6   | 272.1   | 253.0   | 279.7   | 220.7   | 251.1   | 435.7   | 479.4   | 428.1   |
| 87.5° | 95.1    | 140.8   | 173.1   | 163.6   | 102.7   | 62.8    | 78.0    | 127.5   | 146.5   | 159.8   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4016.2  | 0°    | 4016.2  | 4016.2  | 4016.2 | 4016.2 | 4016.2 | 4016.2 | 4016.2 | 4016.2 | 4016.2 | 4016.2 |
| 4018.1  | 2.5°  | 4020.0  | 4033.3  | 4042.8 | 4054.2 | 4061.8 | 4073.2 | 4096.1 | 4109.4 | 4111.3 | 4120.8 |
| 4048.5  | 5°    | 4056.1  | 4075.1  | 4096.1 | 4126.5 | 4160.8 | 4189.3 | 4233.1 | 4263.5 | 4274.9 | 4284.4 |
| 4122.7  | 7.5°  | 4134.1  | 4160.8  | 4198.8 | 4252.1 | 4301.5 | 4339.6 | 4392.9 | 4429.0 | 4465.2 | 4478.5 |
| 4240.7  | 10°   | 4250.2  | 4288.2  | 4343.4 | 4415.7 | 4469.0 | 4518.4 | 4573.6 | 4604.0 | 4640.2 | 4655.4 |
| 4381.4  | 12.5° | 4394.8  | 4434.7  | 4507.0 | 4607.8 | 4657.3 | 4691.6 | 4710.6 | 4703.0 | 4710.6 | 4723.9 |
| 4550.8  | 15°   | 4560.3  | 4604.0  | 4685.8 | 4794.3 | 4828.5 | 4798.1 | 4756.2 | 4718.2 | 4712.5 | 4716.3 |
| 4756.2  | 17.5° | 4756.2  | 4788.6  | 4883.7 | 4975.0 | 4950.3 | 4824.7 | 4733.4 | 4672.5 | 4642.1 | 4632.6 |
| 5018.8  | 20°   | 5030.2  | 5030.2  | 5108.2 | 5165.3 | 4999.8 | 4786.7 | 4644.0 | 4545.1 | 4482.3 | 4455.6 |
| 5376.5  | 22.5° | 5363.1  | 5332.7  | 5382.2 | 5342.2 | 4990.2 | 4680.1 | 4482.3 | 4311.1 | 4215.9 | 4177.9 |
| 5876.8  | 25°   | 5785.5  | 5749.3  | 5736.0 | 5488.7 | 4921.8 | 4510.8 | 4189.3 | 3981.9 | 3898.2 | 3877.3 |
| 6597.9  | 27.5° | 6422.8  | 6331.5  | 6158.4 | 5568.6 | 4796.2 | 4244.5 | 3846.8 | 3654.7 | 3607.1 | 3609.0 |
| 7524.4  | 30°   | 7271.3  | 7088.7  | 6664.4 | 5581.9 | 4590.7 | 3867.8 | 3496.8 | 3359.8 | 3337.0 | 3346.5 |
| 8302.5  | 32.5° | 8057.1  | 7883.9  | 7181.9 | 5521.0 | 4274.9 | 3498.7 | 3182.9 | 3091.6 | 3057.3 | 3068.7 |
| 8896.1  | 35°   | 8673.5  | 8625.9  | 7661.3 | 5435.4 | 3886.8 | 3152.4 | 2901.3 | 2823.3 | 2756.7 | 2741.5 |
| 9455.4  | 37.5° | 9255.6  | 9236.6  | 8020.9 | 5315.6 | 3502.5 | 2907.0 | 2674.9 | 2572.2 | 2475.1 | 2421.9 |
| 10073.7 | 40°   | 9894.9  | 9875.9  | 8256.8 | 5131.0 | 3161.9 | 2693.9 | 2471.3 | 2336.3 | 2216.4 | 2119.4 |
| 10773.8 | 42.5° | 10614.0 | 10501.8 | 8369.1 | 4866.6 | 2872.8 | 2513.2 | 2305.8 | 2123.2 | 1965.3 | 1875.9 |
| 11565.3 | 45°   | 11399.8 | 11146.7 | 8367.2 | 4529.8 | 2629.2 | 2347.7 | 2128.9 | 1870.2 | 1723.7 | 1640.0 |
| 12377.6 | 47.5° | 12233.0 | 11763.1 | 8264.4 | 4157.0 | 2393.3 | 2165.0 | 1854.9 | 1657.1 | 1560.0 | 1508.7 |
| 13260.4 | 50°   | 13093.0 | 12339.6 | 8089.4 | 3728.9 | 2151.7 | 1957.7 | 1683.7 | 1548.6 | 1474.4 | 1426.9 |
| 14135.5 | 52.5° | 13901.5 | 12862.8 | 7878.2 | 3243.8 | 1906.3 | 1756.0 | 1607.6 | 1503.0 | 1425.0 | 1371.7 |
| 14984.1 | 55°   | 14653.0 | 13313.7 | 7579.5 | 2747.2 | 1706.5 | 1620.9 | 1571.5 | 1483.9 | 1394.5 | 1331.7 |
| 15845.9 | 57.5° | 15320.8 | 13606.6 | 7064.0 | 2281.1 | 1563.9 | 1527.7 | 1533.4 | 1451.6 | 1348.9 | 1295.6 |
| 16694.4 | 60°   | 15876.3 | 13821.6 | 6301.1 | 1849.2 | 1447.8 | 1436.4 | 1474.4 | 1390.7 | 1270.9 | 1210.0 |
| 17411.6 | 62.5° | 16209.3 | 13817.8 | 5365.0 | 1514.4 | 1348.9 | 1352.7 | 1396.4 | 1314.6 | 1192.9 | 1135.8 |
| 17786.4 | 65°   | 16180.7 | 13479.2 | 4337.7 | 1295.6 | 1253.7 | 1257.5 | 1314.6 | 1230.9 | 1128.2 | 1093.9 |
| 17598.1 | 67.5° | 15608.1 | 12653.5 | 3327.5 | 1152.9 | 1149.1 | 1166.2 | 1232.8 | 1173.8 | 1088.2 | 1084.4 |
| 16475.6 | 70°   | 14057.5 | 10939.3 | 2397.1 | 1038.8 | 1040.7 | 1065.4 | 1152.9 | 1137.7 | 1067.3 | 1074.9 |
| 13852.1 | 72.5° | 11272.3 | 8340.5  | 1609.5 | 918.9  | 920.8  | 960.8  | 1076.8 | 1109.2 | 1046.4 | 1147.2 |
| 9828.3  | 75°   | 7507.2  | 5201.4  | 1035.0 | 791.4  | 793.3  | 844.7  | 1010.2 | 1054.0 | 989.3  | 1143.4 |
| 5113.9  | 77.5° | 3607.1  | 2338.2  | 749.6  | 665.9  | 665.9  | 713.4  | 873.2  | 943.6  | 842.8  | 888.5  |
| 1643.8  | 80°   | 1246.1  | 879.0   | 589.8  | 536.5  | 525.1  | 557.4  | 736.3  | 818.1  | 726.8  | 669.7  |
| 536.5   | 82.5° | 490.8   | 456.6   | 473.7  | 416.6  | 378.6  | 399.5  | 572.7  | 675.4  | 534.6  | 483.2  |
| 302.5   | 85°   | 281.6   | 296.8   | 334.8  | 275.9  | 218.8  | 245.4  | 420.5  | 485.1  | 403.3  | 355.8  |
| 98.9    | 87.5° | 76.1    | 104.6   | 154.1  | 142.7  | 98.9   | 104.6  | 199.8  | 268.3  | 232.1  | 178.8  |
| 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°   |
|--------|
| 4016.2 |
| 4118.9 |
| 4282.5 |
| 4480.4 |
| 4663.0 |
| 4727.7 |
| 4729.6 |
| 4645.9 |
| 4449.9 |
| 4172.2 |
| 3881.1 |
| 3614.7 |
| 3378.8 |
| 3083.9 |
| 2752.9 |
| 2423.8 |
| 2128.9 |
| 1881.6 |
| 1636.1 |
| 1497.3 |
| 1409.7 |
| 1348.9 |
| 1307.0 |
| 1261.4 |
| 1183.4 |
| 1118.7 |
| 1092.0 |
| 1090.1 |
| 1073.0 |
| 1162.4 |
| 1152.9 |
| 814.3  |
| 627.8  |
| 481.3  |
| 363.4  |
| 184.5  |
| 0.0    |