

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: P942989

Luminaire Tested: **GLAN-SB7B-730-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 39581 lumens  
Efficiency: N/A  
Efficacy: 154.2 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): 256.7  
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

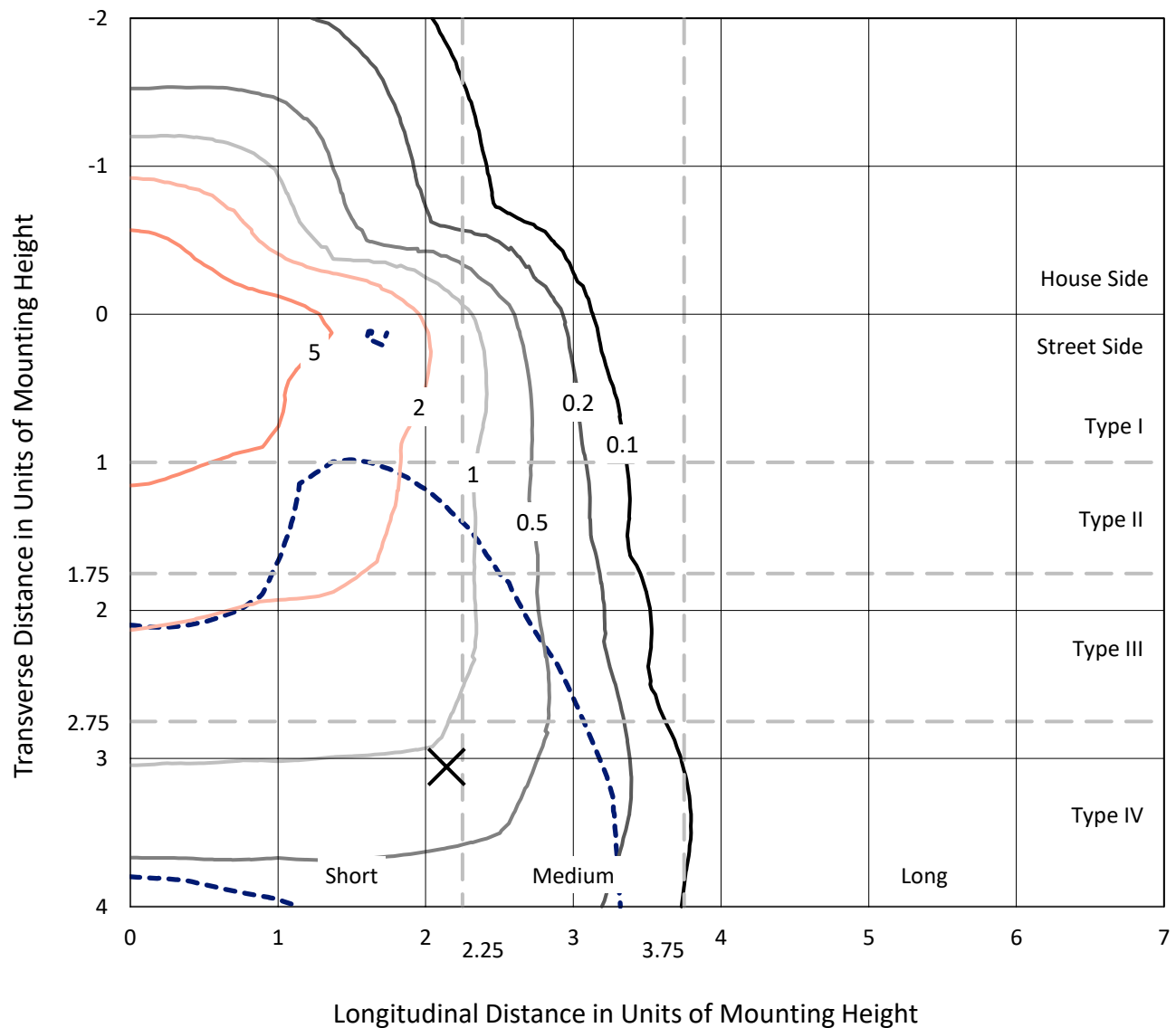


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## Iso-Footcandle Lines of Horizontal Illumination

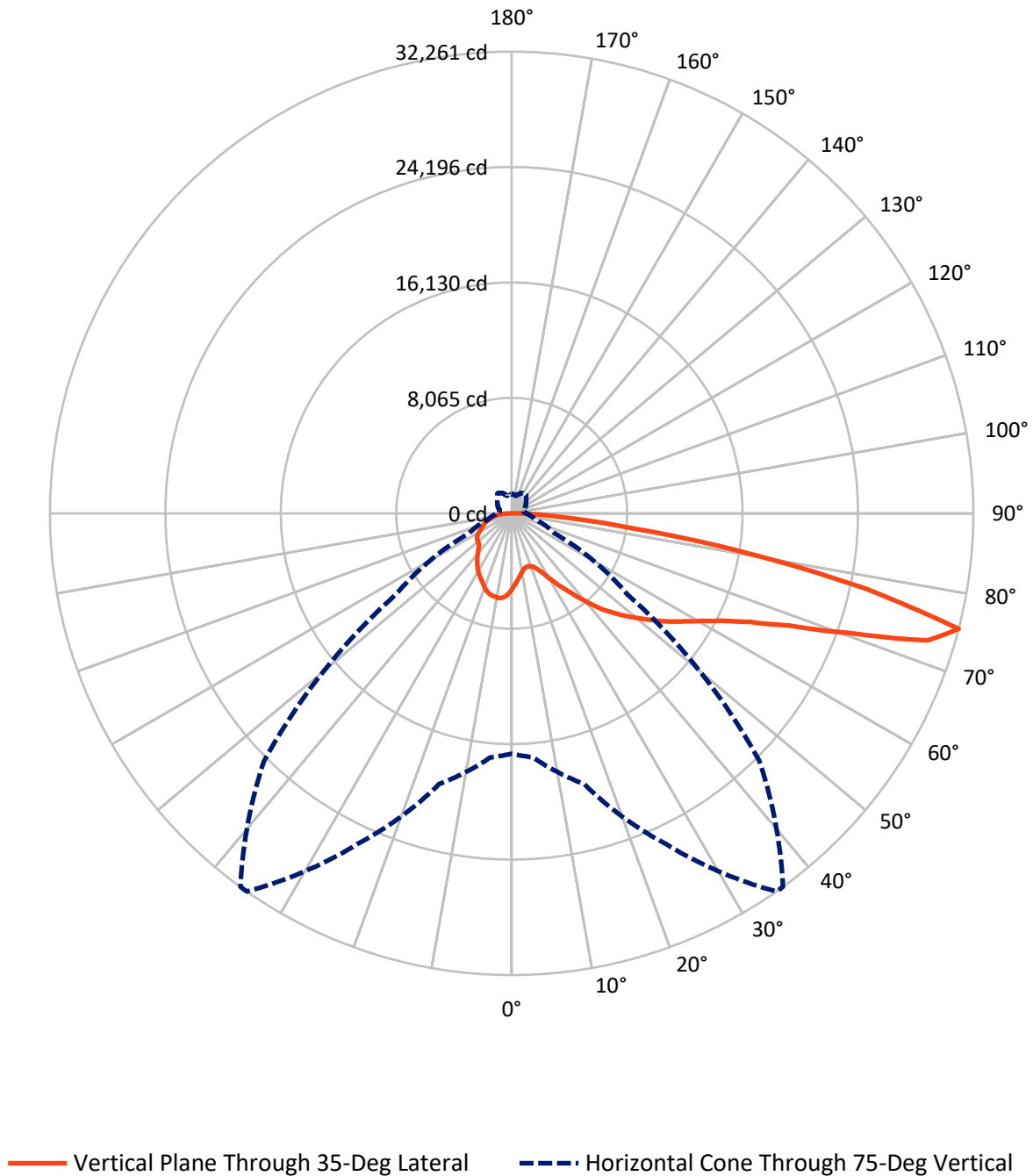
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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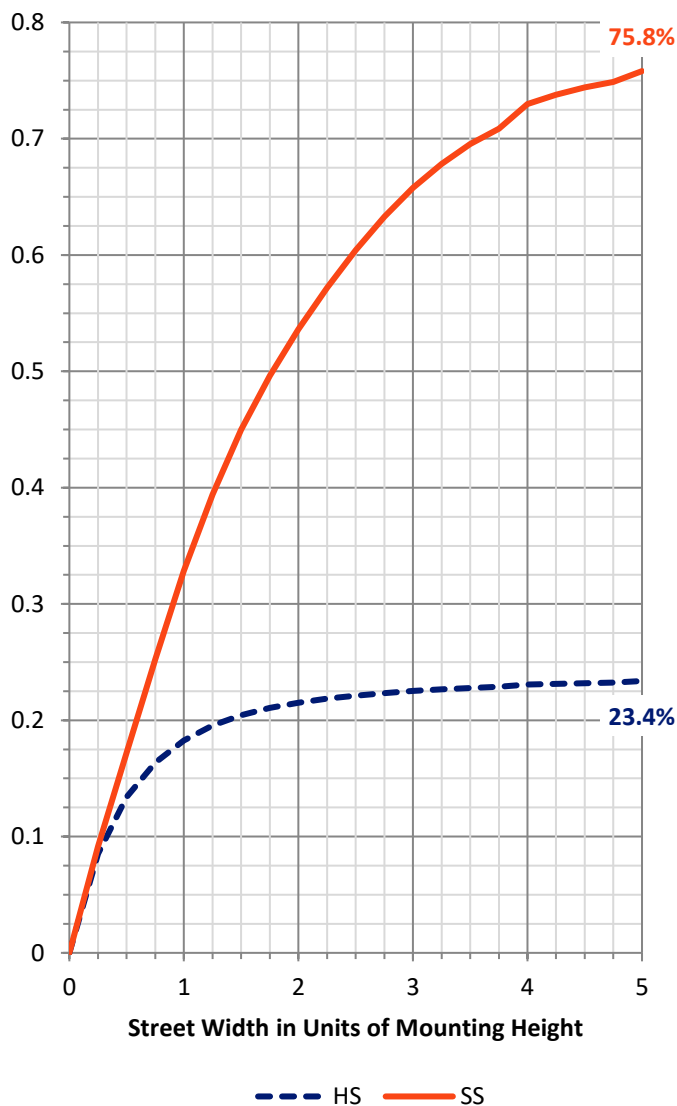
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9419.3   | 0.0    | 9419.3  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 30161.7  | 0.0    | 30161.7 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 39581.0  | 0.0    | 39581.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 499.4   | 1.3       |
| 10°-20°   | 1440.4  | 3.6       |
| 20°-30°   | 2418.9  | 6.1       |
| 30°-40°   | 3759.3  | 9.5       |
| 40°-50°   | 5579.8  | 14.1      |
| 50°-60°   | 7703.2  | 19.5      |
| 60°-70°   | 9345.7  | 23.6      |
| 70°-80°   | 7723.5  | 19.5      |
| 80°-90°   | 1110.9  | 2.8       |
| 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°    | 39581.0 | 100.0     |
| 0°-180°   | 39581.0 | 100.0     |

**Coefficient of Utilization**



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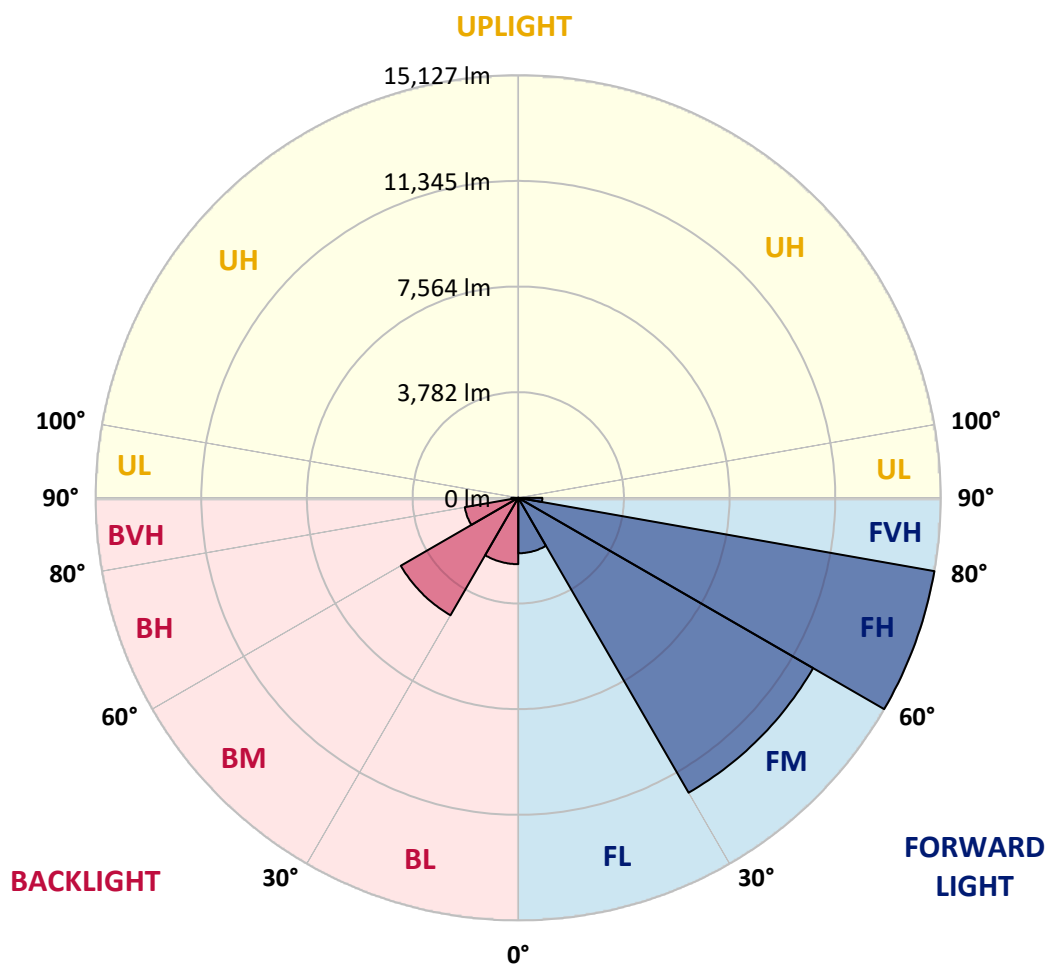
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1984.9  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 12188.8 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 15127.3 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 860.7   | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 2373.8  | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4853.4  | 12.3      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1942.0  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 250.1   | 0.6       |                         |      | G3/500  |
| 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°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5274.4  | 5274.4  | 5274.4  | 5274.4  | 5274.4  | 5274.4  | 5274.4  | 5274.4  | 5274.4  | 5274.4  |
| 2.5°  | 4863.6  | 4893.6  | 4906.4  | 4900.0  | 4932.1  | 4927.8  | 4972.7  | 5028.4  | 5105.4  | 5180.3  |
| 5°    | 4489.2  | 4521.3  | 4549.1  | 4574.7  | 4636.8  | 4656.1  | 4726.7  | 4833.7  | 4974.9  | 5118.2  |
| 7.5°  | 4140.4  | 4168.2  | 4211.0  | 4258.1  | 4362.9  | 4382.2  | 4499.9  | 4666.8  | 4863.6  | 5073.3  |
| 10°   | 3855.8  | 3883.6  | 3928.5  | 3982.0  | 4112.6  | 4136.1  | 4285.9  | 4508.4  | 4765.2  | 5030.5  |
| 12.5° | 3733.8  | 3742.4  | 3768.1  | 3821.6  | 3935.0  | 3949.9  | 4114.7  | 4369.3  | 4668.9  | 4998.4  |
| 15°   | 3727.4  | 3744.5  | 3746.7  | 3774.5  | 3868.6  | 3875.1  | 4027.0  | 4279.5  | 4609.0  | 4992.0  |
| 17.5° | 3791.6  | 3804.4  | 3785.2  | 3802.3  | 3881.5  | 3892.2  | 4012.0  | 4236.7  | 4589.7  | 5019.8  |
| 20°   | 3962.8  | 3973.5  | 3915.7  | 3892.2  | 3949.9  | 3958.5  | 4076.2  | 4264.5  | 4609.0  | 5077.6  |
| 22.5° | 4326.5  | 4333.0  | 4191.7  | 4095.4  | 4099.7  | 4104.0  | 4206.7  | 4377.9  | 4683.9  | 5182.4  |
| 25°   | 4893.6  | 4889.3  | 4664.6  | 4478.5  | 4371.5  | 4347.9  | 4416.4  | 4561.9  | 4810.1  | 5321.5  |
| 27.5° | 5556.9  | 5524.8  | 5300.1  | 5021.9  | 4788.7  | 4754.5  | 4739.5  | 4801.6  | 4989.9  | 5505.5  |
| 30°   | 6305.8  | 6275.8  | 6034.0  | 5670.3  | 5347.2  | 5291.6  | 5150.3  | 5118.2  | 5257.3  | 5755.9  |
| 32.5° | 7127.4  | 7108.2  | 6819.3  | 6378.5  | 5946.3  | 5882.1  | 5644.6  | 5559.0  | 5668.1  | 6134.6  |
| 35°   | 7816.4  | 7799.3  | 7559.7  | 7106.0  | 6577.5  | 6498.4  | 6256.6  | 6160.3  | 6215.9  | 6620.3  |
| 37.5° | 8439.1  | 8430.5  | 8225.1  | 7867.8  | 7322.2  | 7225.9  | 6954.1  | 6922.0  | 6911.3  | 7260.1  |
| 40°   | 9016.8  | 8995.4  | 8781.5  | 8593.2  | 8188.7  | 8101.0  | 7861.4  | 7833.6  | 7752.2  | 8047.5  |
| 42.5° | 9656.6  | 9601.0  | 9290.7  | 9203.0  | 9093.9  | 9021.1  | 8877.7  | 8882.0  | 8702.3  | 8935.5  |
| 45°   | 10178.7 | 10146.6 | 9827.8  | 9776.4  | 9894.1  | 9864.2  | 9988.3  | 10020.4 | 9671.6  | 9866.3  |
| 47.5° | 10739.3 | 10709.4 | 10439.7 | 10403.4 | 10722.2 | 10730.7 | 11169.4 | 11180.1 | 10617.3 | 10833.5 |
| 50°   | 11430.4 | 11387.6 | 11120.2 | 11165.1 | 11522.4 | 11554.5 | 12356.9 | 12284.2 | 11488.2 | 11815.6 |
| 52.5° | 11886.2 | 11911.9 | 11854.1 | 11926.9 | 12414.7 | 12444.7 | 13525.2 | 13339.1 | 12350.5 | 12784.9 |
| 55°   | 12222.1 | 12273.5 | 12453.2 | 12620.1 | 13356.2 | 13386.2 | 14627.2 | 14342.6 | 13065.2 | 13683.6 |
| 57.5° | 12654.4 | 12581.6 | 12917.6 | 13242.8 | 14250.6 | 14329.8 | 15699.2 | 15309.8 | 13698.6 | 14458.2 |
| 60°   | 13274.9 | 13223.5 | 13484.6 | 13966.0 | 15252.0 | 15378.2 | 16833.3 | 16180.6 | 14162.9 | 15072.3 |
| 62.5° | 14533.1 | 14404.7 | 14445.3 | 14871.1 | 16514.4 | 16681.3 | 18112.8 | 16940.2 | 14394.0 | 15311.9 |
| 65°   | 16413.9 | 16193.5 | 15988.1 | 16283.4 | 18292.6 | 18457.3 | 19557.1 | 17537.2 | 14308.4 | 14847.6 |
| 67.5° | 18782.6 | 18564.3 | 18311.8 | 18590.0 | 20911.6 | 21042.1 | 21339.5 | 17873.2 | 13634.4 | 13058.8 |
| 70°   | 20736.1 | 20654.8 | 20956.5 | 22101.3 | 25094.8 | 25099.0 | 23624.8 | 17595.0 | 11787.8 | 9258.6  |
| 72.5° | 20477.2 | 20428.0 | 22017.8 | 25556.9 | 30367.1 | 30253.7 | 25788.0 | 15489.5 | 7940.5  | 4176.8  |
| 75°   | 16799.0 | 17117.8 | 19580.7 | 25494.9 | 32260.7 | 32245.7 | 24463.5 | 9847.0  | 3284.5  | 1731.0  |
| 77.5° | 9008.3  | 9513.2  | 12712.1 | 18823.2 | 25184.6 | 25563.4 | 17199.2 | 3445.0  | 1410.1  | 1108.4  |
| 80°   | 2937.9  | 3378.6  | 5066.9  | 9583.9  | 16364.7 | 16294.0 | 7371.4  | 1352.3  | 965.0   | 785.3   |
| 82.5° | 1247.5  | 1298.8  | 2263.8  | 4525.5  | 8398.4  | 8267.9  | 2347.3  | 776.7   | 678.3   | 537.1   |
| 85°   | 487.9   | 545.6   | 999.3   | 2092.7  | 3637.5  | 3558.4  | 847.3   | 385.2   | 434.4   | 350.9   |
| 87.5° | 160.5   | 194.7   | 357.3   | 716.8   | 1131.9  | 1091.3  | 207.6   | 132.7   | 188.3   | 160.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5274.4  | 0°    | 5274.4  | 5274.4  | 5274.4 | 5274.4 | 5274.4 | 5274.4 | 5274.4 | 5274.4 | 5274.4 | 5274.4 |
| 5289.4  | 2.5°  | 5319.4  | 5353.6  | 5394.3 | 5454.2 | 5505.5 | 5548.3 | 5593.3 | 5621.1 | 5631.8 | 5663.9 |
| 5298.0  | 5°    | 5357.9  | 5432.8  | 5533.3 | 5631.8 | 5728.1 | 5785.8 | 5837.2 | 5862.9 | 5886.4 | 5903.5 |
| 5321.5  | 7.5°  | 5422.1  | 5518.4  | 5676.7 | 5805.1 | 5886.4 | 5933.5 | 5967.7 | 5959.1 | 5967.7 | 5972.0 |
| 5347.2  | 10°   | 5477.7  | 5612.5  | 5800.8 | 5922.8 | 5984.8 | 5987.0 | 5978.4 | 5948.5 | 5933.5 | 5935.6 |
| 5385.7  | 12.5° | 5544.0  | 5693.8  | 5897.1 | 5999.8 | 6016.9 | 5969.8 | 5933.5 | 5882.1 | 5862.9 | 5854.3 |
| 5443.5  | 15°   | 5633.9  | 5805.1  | 6001.9 | 6040.5 | 5997.7 | 5937.8 | 5875.7 | 5792.3 | 5749.5 | 5715.2 |
| 5541.9  | 17.5° | 5743.0  | 5931.3  | 6083.3 | 6055.4 | 5963.4 | 5865.0 | 5764.4 | 5638.2 | 5550.5 | 5514.1 |
| 5676.7  | 20°   | 5895.0  | 6064.0  | 6145.3 | 6023.3 | 5884.3 | 5734.5 | 5563.3 | 5409.2 | 5327.9 | 5291.6 |
| 5847.9  | 22.5° | 6079.0  | 6241.6  | 6205.2 | 5967.7 | 5770.9 | 5531.2 | 5317.2 | 5203.8 | 5163.2 | 5137.5 |
| 6068.3  | 25°   | 6299.4  | 6438.4  | 6248.0 | 5886.4 | 5584.7 | 5261.6 | 5096.8 | 5060.5 | 5041.2 | 5021.9 |
| 6337.9  | 27.5° | 6586.1  | 6661.0  | 6280.1 | 5766.6 | 5293.7 | 4974.9 | 4915.0 | 4921.4 | 4915.0 | 4882.9 |
| 6712.3  | 30°   | 6964.8  | 6949.8  | 6310.1 | 5571.9 | 4959.9 | 4716.0 | 4720.2 | 4748.1 | 4752.3 | 4730.9 |
| 7234.4  | 32.5° | 7463.4  | 7311.5  | 6325.0 | 5319.4 | 4641.1 | 4489.2 | 4493.4 | 4523.4 | 4544.8 | 4508.4 |
| 7917.0  | 35°   | 8066.8  | 7733.0  | 6301.5 | 5002.7 | 4395.0 | 4273.0 | 4240.9 | 4249.5 | 4255.9 | 4221.7 |
| 8745.1  | 37.5° | 8770.8  | 8205.9  | 6196.7 | 4651.8 | 4191.7 | 4061.2 | 3992.7 | 3935.0 | 3900.7 | 3868.6 |
| 9682.3  | 40°   | 9543.2  | 8721.5  | 6004.1 | 4309.4 | 3964.9 | 3836.5 | 3733.8 | 3624.7 | 3509.2 | 3466.4 |
| 10675.1 | 42.5° | 10352.0 | 9252.2  | 5770.9 | 3982.0 | 3703.9 | 3599.0 | 3489.9 | 3331.6 | 3158.2 | 3070.5 |
| 11706.5 | 45°   | 11190.8 | 9795.7  | 5541.9 | 3658.9 | 3436.4 | 3391.5 | 3265.2 | 3074.8 | 2886.5 | 2775.2 |
| 12740.0 | 47.5° | 12012.4 | 10309.2 | 5206.0 | 3333.7 | 3186.1 | 3235.3 | 3136.8 | 2961.4 | 2751.7 | 2576.2 |
| 13764.9 | 50°   | 12797.7 | 10790.7 | 4656.1 | 3004.2 | 2982.8 | 3188.2 | 3094.1 | 2841.6 | 2601.9 | 2377.2 |
| 14770.6 | 52.5° | 13576.6 | 11180.1 | 3952.1 | 2704.6 | 2873.7 | 3175.4 | 3038.4 | 2760.3 | 2467.1 | 2231.7 |
| 15716.3 | 55°   | 14237.8 | 11381.2 | 3273.8 | 2447.9 | 2715.3 | 3066.2 | 2972.1 | 2664.0 | 2276.7 | 2026.3 |
| 16364.7 | 57.5° | 14614.4 | 11218.6 | 2708.9 | 2195.4 | 2497.1 | 2886.5 | 2858.7 | 2458.6 | 2049.9 | 1857.3 |
| 16490.9 | 60°   | 14451.7 | 10559.6 | 2246.7 | 1975.0 | 2289.5 | 2691.8 | 2661.8 | 2255.3 | 1876.5 | 1694.7 |
| 15814.7 | 62.5° | 13555.2 | 9303.5  | 1880.8 | 1782.4 | 2101.2 | 2492.8 | 2465.0 | 2099.1 | 1743.9 | 1568.4 |
| 14019.5 | 65°   | 11749.3 | 7568.2  | 1596.2 | 1621.9 | 1910.8 | 2253.1 | 2293.8 | 1968.6 | 1639.0 | 1467.9 |
| 10846.3 | 67.5° | 8961.2  | 5482.0  | 1373.7 | 1482.8 | 1724.6 | 2017.8 | 2135.5 | 1874.4 | 1551.3 | 1388.7 |
| 6275.8  | 70°   | 5107.5  | 3113.3  | 1185.4 | 1348.0 | 1559.9 | 1799.5 | 2013.5 | 1799.5 | 1457.2 | 1322.4 |
| 2351.6  | 72.5° | 1936.5  | 1429.3  | 1024.9 | 1213.2 | 1401.5 | 1615.5 | 1878.7 | 1681.8 | 1348.0 | 1247.5 |
| 1215.4  | 75°   | 1033.5  | 870.9   | 862.3  | 1054.9 | 1219.6 | 1435.8 | 1709.6 | 1566.3 | 1266.7 | 1318.1 |
| 840.9   | 77.5° | 704.0   | 616.2   | 721.1  | 903.0  | 1020.7 | 1236.8 | 1529.9 | 1390.8 | 1097.7 | 1093.4 |
| 582.0   | 80°   | 487.9   | 436.5   | 586.3  | 727.5  | 789.6  | 1039.9 | 1335.2 | 1194.0 | 894.4  | 834.5  |
| 359.5   | 82.5° | 293.1   | 284.6   | 438.6  | 543.5  | 558.5  | 802.4  | 1106.2 | 1001.4 | 731.8  | 637.6  |
| 214.0   | 85°   | 160.5   | 169.0   | 280.3  | 318.8  | 325.2  | 560.6  | 866.6  | 774.6  | 562.7  | 472.9  |
| 77.0    | 87.5° | 44.9    | 57.8    | 102.7  | 126.2  | 156.2  | 291.0  | 515.7  | 460.0  | 282.4  | 196.9  |
| 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°   |
|--------|
| 5274.4 |
| 5661.7 |
| 5907.8 |
| 5978.4 |
| 5939.9 |
| 5850.0 |
| 5725.9 |
| 5516.2 |
| 5287.3 |
| 5141.8 |
| 5021.9 |
| 4889.3 |
| 4741.6 |
| 4525.5 |
| 4245.2 |
| 3890.0 |
| 3485.6 |
| 3081.2 |
| 2766.7 |
| 2557.0 |
| 2358.0 |
| 2206.1 |
| 2004.9 |
| 1831.6 |
| 1669.0 |
| 1540.6 |
| 1440.0 |
| 1363.0 |
| 1305.2 |
| 1230.3 |
| 1360.9 |
| 1007.8 |
| 798.1  |
| 641.9  |
| 477.2  |
| 196.9  |
| 0.0    |