

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: P943322

Luminaire Tested: **GLAN-SB7D-730-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 71736 lumens  
Efficiency: N/A  
Efficacy: 139.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 512.8  
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



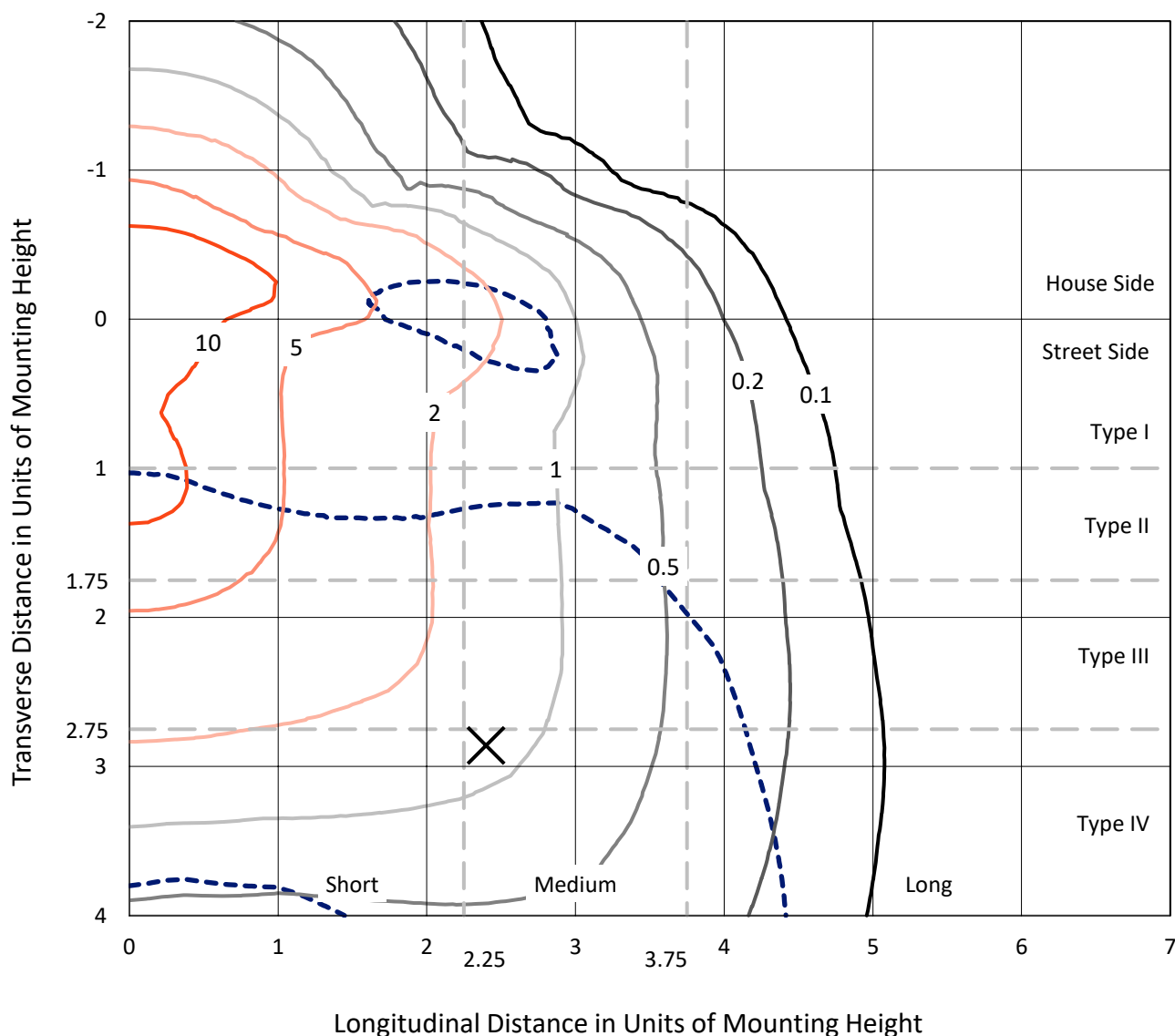
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

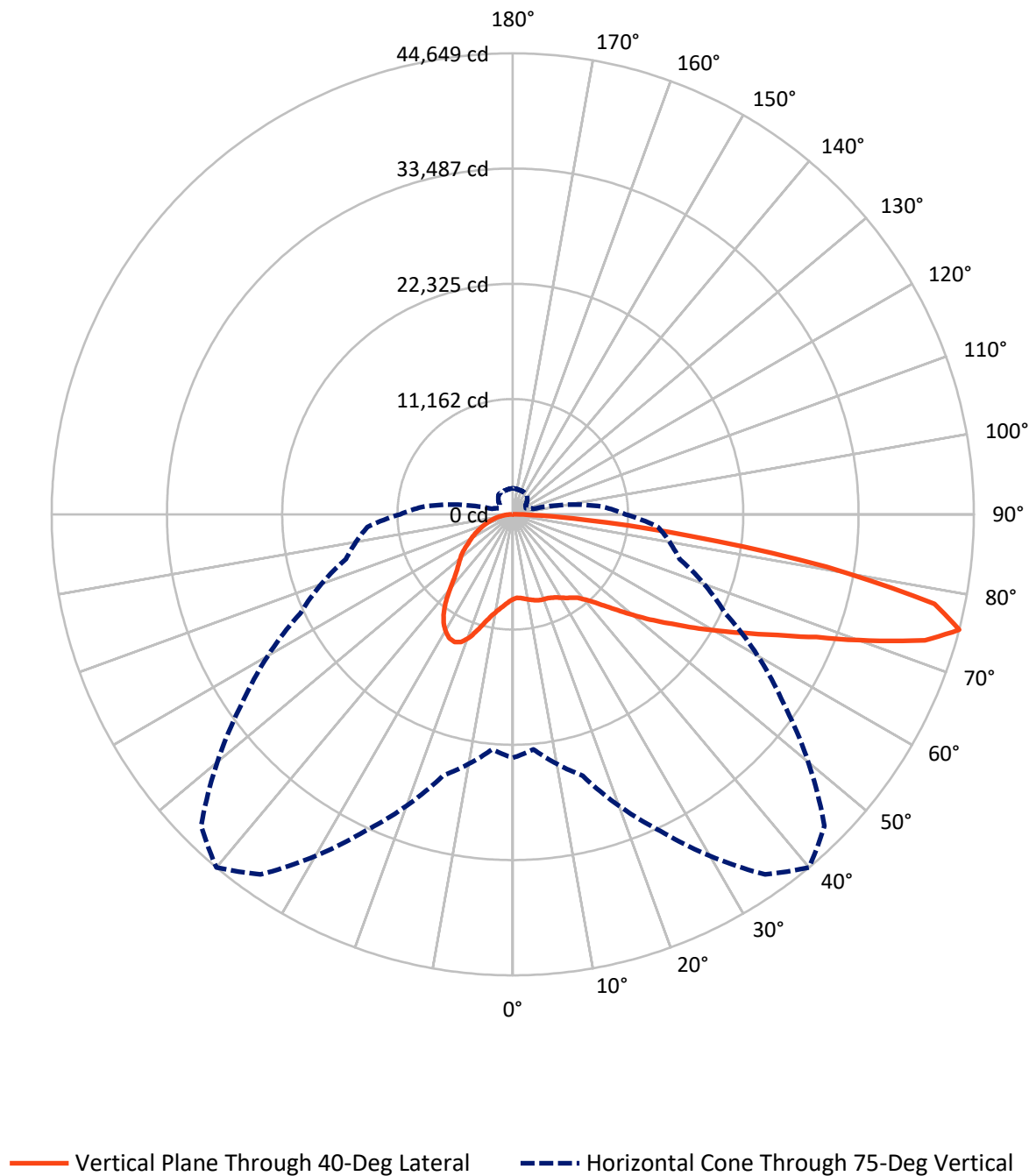
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc  
Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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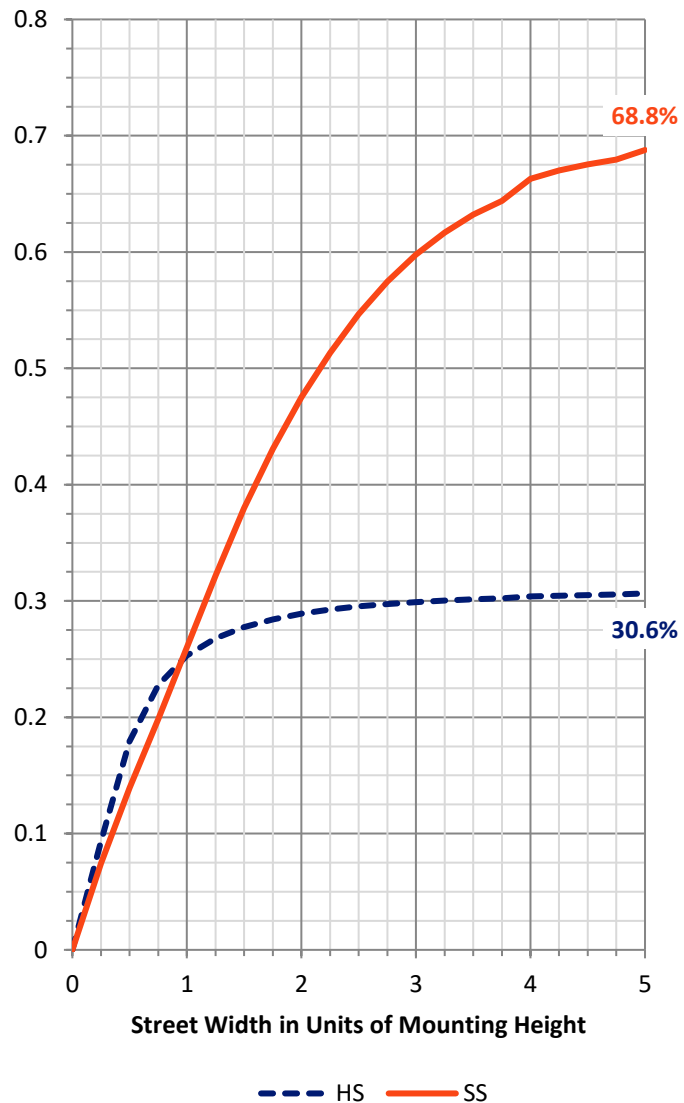
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 22226.2  | 0.0    | 22226.2 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 49509.8  | 0.0    | 49509.8 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 71736.0  | 0.0    | 71736.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 818.8   | 1.1       |
| 10°-20°   | 2749.2  | 3.8       |
| 20°-30°   | 5019.8  | 7.0       |
| 30°-40°   | 7119.4  | 9.9       |
| 40°-50°   | 9613.4  | 13.4      |
| 50°-60°   | 12932.5 | 18.0      |
| 60°-70°   | 16414.4 | 22.9      |
| 70°-80°   | 14897.0 | 20.8      |
| 80°-90°   | 2171.5  | 3.0       |
| 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°    | 71736.0 | 100.0     |
| 0°-180°   | 71736.0 | 100.0     |

**Coefficient of Utilization**



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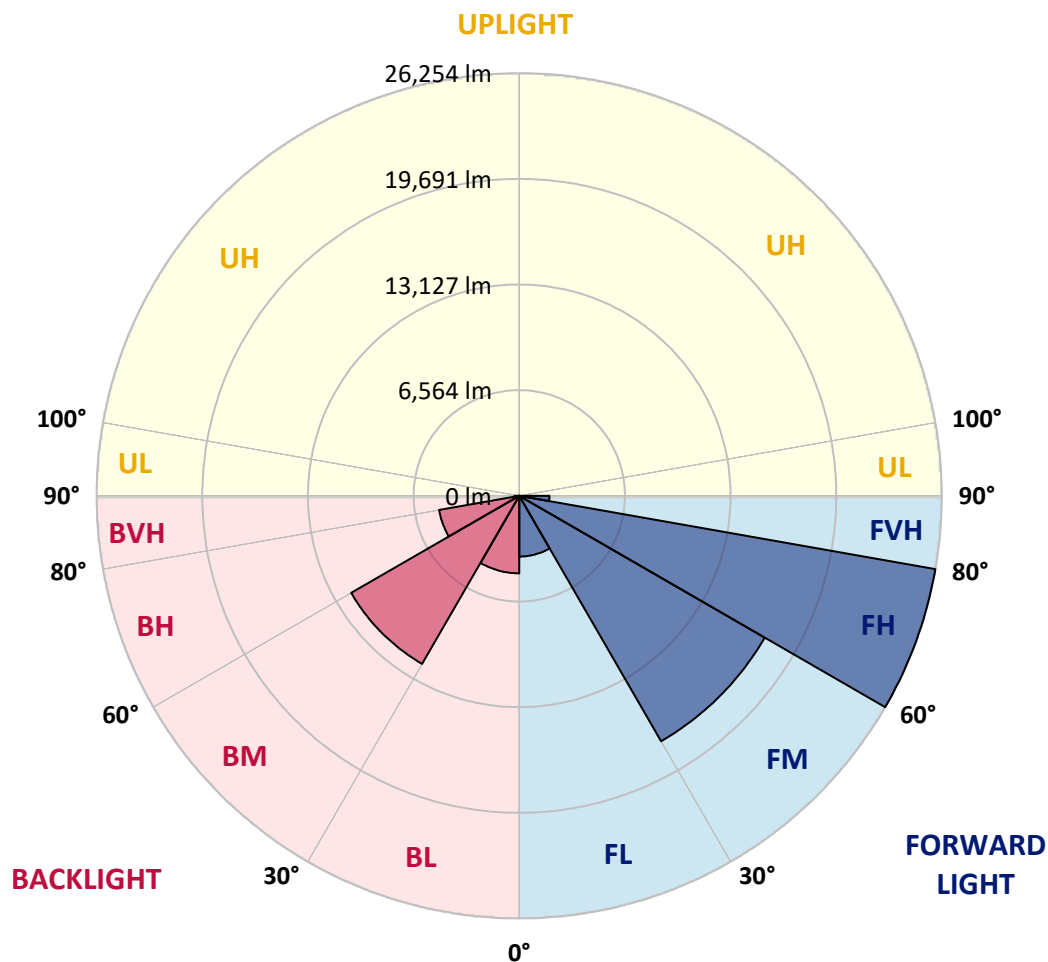
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 3773.4  | 5.3       |                         |      |        |
| FM   | (30°-60°)   | 17609.6 | 24.5      |                         |      |        |
| FH   | (60°-80°)   | 26254.3 | 36.6      |                         |      | G5     |
| FVH  | (80°-90°)   | 1872.6  | 2.6       |                         |      | G5     |
| BL   | (0°-30°)    | 4814.4  | 6.7       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 12055.7 | 16.8      | B5                      |      |        |
| BH   | (60°-80°)   | 5057.1  | 7.0       | B5                      |      | G5     |
| BVH  | (80°-90°)   | 299.0   | 0.4       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  |
| 2.5°  | 8077.5  | 8123.2  | 8111.8  | 8096.6  | 8096.6  | 8100.4  | 8096.6  | 8123.2  | 8149.8  | 8176.5  |
| 5°    | 8161.3  | 8206.9  | 8184.1  | 8165.1  | 8149.8  | 8146.0  | 8134.6  | 8130.8  | 8146.0  | 8180.3  |
| 7.5°  | 8324.9  | 8370.5  | 8336.3  | 8302.0  | 8271.6  | 8256.4  | 8241.2  | 8218.3  | 8206.9  | 8225.9  |
| 10°   | 8507.5  | 8553.1  | 8511.3  | 8450.4  | 8401.0  | 8381.9  | 8366.7  | 8343.9  | 8328.7  | 8340.1  |
| 12.5° | 8690.1  | 8735.8  | 8678.7  | 8595.0  | 8530.3  | 8518.9  | 8499.9  | 8492.3  | 8488.5  | 8484.7  |
| 15°   | 8861.3  | 8899.4  | 8827.1  | 8728.2  | 8659.7  | 8640.7  | 8621.6  | 8633.0  | 8652.1  | 8674.9  |
| 17.5° | 8994.5  | 9032.5  | 8926.0  | 8796.7  | 8732.0  | 8724.4  | 8712.9  | 8751.0  | 8804.3  | 8861.3  |
| 20°   | 9116.3  | 9154.3  | 9017.3  | 8842.3  | 8766.2  | 8766.2  | 8770.0  | 8849.9  | 8926.0  | 9009.7  |
| 22.5° | 9287.5  | 9317.9  | 9150.5  | 8910.8  | 8800.5  | 8808.1  | 8838.5  | 8918.4  | 9013.5  | 9127.7  |
| 25°   | 9542.4  | 9565.2  | 9359.8  | 9040.2  | 8914.6  | 8937.4  | 8964.1  | 9002.1  | 9093.4  | 9226.6  |
| 27.5° | 9953.3  | 9972.3  | 9702.2  | 9268.4  | 9078.2  | 9116.3  | 9154.3  | 9127.7  | 9169.5  | 9283.7  |
| 30°   | 10531.6 | 10543.0 | 10200.6 | 9626.1  | 9356.0  | 9375.0  | 9382.6  | 9272.3  | 9192.4  | 9283.7  |
| 32.5° | 11216.5 | 11212.7 | 10805.6 | 10059.8 | 9671.8  | 9652.7  | 9588.0  | 9371.2  | 9184.7  | 9264.6  |
| 35°   | 12278.0 | 12236.2 | 11711.1 | 10668.6 | 10029.4 | 9911.5  | 9759.3  | 9481.5  | 9222.8  | 9245.6  |
| 37.5° | 14035.8 | 13906.5 | 13179.8 | 11665.5 | 10562.1 | 10261.5 | 10037.0 | 9660.3  | 9306.5  | 9238.0  |
| 40°   | 16018.1 | 15854.5 | 15055.5 | 13031.4 | 11361.1 | 10877.9 | 10516.4 | 9915.3  | 9443.5  | 9272.3  |
| 42.5° | 18369.5 | 18137.4 | 17277.5 | 14640.8 | 12373.1 | 11673.1 | 11129.0 | 10238.7 | 9645.1  | 9382.6  |
| 45°   | 21257.3 | 20949.1 | 19731.6 | 16455.7 | 13647.7 | 12715.6 | 11988.9 | 10729.5 | 9953.3  | 9595.7  |
| 47.5° | 24175.6 | 24251.7 | 22520.5 | 18533.1 | 15177.3 | 14001.6 | 13065.6 | 11467.6 | 10402.3 | 9938.1  |
| 50°   | 27276.5 | 27329.7 | 25294.2 | 20835.0 | 16912.3 | 15455.0 | 14275.5 | 12293.2 | 11026.3 | 10425.1 |
| 52.5° | 29696.3 | 29703.9 | 27812.9 | 23243.4 | 18719.5 | 17053.0 | 15580.6 | 13236.8 | 11749.2 | 11071.9 |
| 55°   | 31210.6 | 31191.6 | 29578.4 | 25522.5 | 20796.9 | 18730.9 | 17026.4 | 14309.8 | 12631.9 | 11832.9 |
| 57.5° | 32310.2 | 32253.1 | 30795.9 | 27481.9 | 23011.3 | 20713.2 | 18662.4 | 15527.3 | 13674.4 | 12738.4 |
| 60°   | 32728.7 | 32694.5 | 31621.5 | 29175.1 | 25339.8 | 22904.8 | 20549.6 | 16889.4 | 14857.7 | 13807.5 |
| 62.5° | 32888.5 | 32953.2 | 32432.0 | 30814.9 | 27832.0 | 25332.2 | 22623.2 | 18517.9 | 16189.3 | 15017.5 |
| 65°   | 33451.6 | 33569.6 | 33463.0 | 32960.8 | 30647.5 | 28174.4 | 25374.1 | 20454.5 | 17642.8 | 16314.9 |
| 67.5° | 34566.4 | 34684.4 | 34730.0 | 35529.0 | 34087.0 | 31716.7 | 28806.0 | 22866.7 | 19343.5 | 17661.8 |
| 70°   | 34539.8 | 34505.6 | 35312.2 | 37572.2 | 38394.0 | 36621.0 | 33432.6 | 25834.5 | 21371.5 | 18780.4 |
| 72.5° | 31438.9 | 31165.0 | 33071.2 | 37549.4 | 41978.1 | 41742.2 | 39082.7 | 29662.1 | 23121.7 | 18917.4 |
| 75°   | 23585.8 | 22855.3 | 26222.5 | 33839.7 | 42575.5 | 44649.1 | 42674.4 | 32036.3 | 22706.9 | 16714.4 |
| 77.5° | 10086.5 | 9352.2  | 13320.5 | 25050.7 | 38104.9 | 41738.4 | 39379.5 | 27949.9 | 18126.0 | 11052.9 |
| 80°   | 2640.5  | 2636.7  | 4025.5  | 11357.3 | 25914.4 | 30822.5 | 27040.6 | 18049.9 | 10356.6 | 3949.4  |
| 82.5° | 1092.0  | 1065.3  | 1480.1  | 4417.4  | 12662.3 | 17296.5 | 14115.7 | 8050.9  | 3740.1  | 1069.1  |
| 85°   | 407.1   | 403.3   | 719.1   | 1525.7  | 4466.8  | 7134.0  | 5163.1  | 2058.4  | 932.2   | 521.3   |
| 87.5° | 114.1   | 110.3   | 156.0   | 528.9   | 1088.2  | 1651.3  | 882.7   | 338.6   | 262.5   | 205.5   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 8203.1  | 0°    | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  | 8203.1  |
| 8218.3  | 2.5°  | 8229.7  | 8248.8  | 8283.0  | 8309.6  | 8343.9  | 8381.9  | 8435.2  | 8469.4  | 8503.7  | 8526.5  |
| 8237.4  | 5°    | 8264.0  | 8305.8  | 8393.3  | 8480.9  | 8583.6  | 8678.7  | 8789.0  | 8868.9  | 8933.6  | 8952.6  |
| 8305.8  | 7.5°  | 8340.1  | 8408.6  | 8557.0  | 8705.3  | 8868.9  | 9024.9  | 9184.7  | 9321.7  | 9432.1  | 9473.9  |
| 8427.6  | 10°   | 8473.2  | 8564.6  | 8773.8  | 8983.1  | 9200.0  | 9439.7  | 9645.1  | 9843.0  | 9999.0  | 10063.6 |
| 8572.2  | 12.5° | 8640.7  | 8754.8  | 9028.7  | 9317.9  | 9618.5  | 9949.5  | 10215.8 | 10459.3 | 10653.4 | 10740.9 |
| 8773.8  | 15°   | 8857.5  | 9005.9  | 9356.0  | 9744.0  | 10185.4 | 10645.8 | 10984.4 | 11254.5 | 11471.4 | 11577.9 |
| 8983.1  | 17.5° | 9093.4  | 9291.3  | 9732.6  | 10318.6 | 10950.2 | 11555.1 | 11950.8 | 12148.7 | 12373.1 | 12475.9 |
| 9177.1  | 20°   | 9321.7  | 9565.2  | 10196.8 | 11049.1 | 11889.9 | 12532.9 | 12852.5 | 12905.8 | 12921.0 | 12932.4 |
| 9359.8  | 22.5° | 9557.6  | 9884.8  | 10778.9 | 11969.8 | 12871.6 | 13316.7 | 13362.4 | 13134.1 | 12814.5 | 12666.1 |
| 9538.6  | 25°   | 9816.3  | 10250.1 | 11539.9 | 12985.7 | 13716.2 | 13769.5 | 13419.5 | 12864.0 | 12259.0 | 11981.3 |
| 9683.2  | 27.5° | 10067.4 | 10672.4 | 12453.0 | 13955.9 | 14325.0 | 13857.0 | 13103.7 | 12316.1 | 11585.6 | 11292.6 |
| 9785.9  | 30°   | 10318.6 | 11155.6 | 13461.3 | 14804.4 | 14602.7 | 13640.1 | 12605.2 | 11726.3 | 10992.0 | 10683.8 |
| 9877.2  | 32.5° | 10573.5 | 11718.7 | 14621.8 | 15417.0 | 14553.3 | 13179.8 | 11985.1 | 11064.3 | 10417.5 | 10094.1 |
| 9957.1  | 35°   | 10862.6 | 12411.2 | 15721.4 | 15751.8 | 14222.3 | 12502.5 | 11167.0 | 10272.9 | 9709.8  | 9451.1  |
| 10052.2 | 37.5° | 11239.3 | 13290.1 | 16691.6 | 15835.5 | 13643.9 | 11509.5 | 10151.2 | 9336.9  | 8872.7  | 8754.8  |
| 10193.0 | 40°   | 11707.3 | 14347.8 | 17433.5 | 15702.3 | 12787.9 | 10303.3 | 9040.2  | 8389.5  | 8127.0  | 8153.6  |
| 10383.2 | 42.5° | 12316.1 | 15531.1 | 17954.8 | 15359.9 | 11597.0 | 9059.2  | 8066.1  | 7777.0  | 7902.5  | 8009.1  |
| 10668.6 | 45°   | 13107.5 | 16760.1 | 18278.2 | 14777.8 | 10250.1 | 8005.3  | 7491.6  | 7560.1  | 7655.2  | 7666.6  |
| 11129.0 | 47.5° | 14119.5 | 18004.2 | 18491.2 | 13898.9 | 8876.6  | 7263.3  | 7126.4  | 7141.6  | 7122.5  | 7042.6  |
| 11817.6 | 50°   | 15382.7 | 19214.1 | 18681.5 | 12734.6 | 7708.5  | 6799.1  | 6616.5  | 6563.2  | 6300.7  | 6042.0  |
| 12734.6 | 52.5° | 16820.9 | 20325.1 | 18761.4 | 11288.8 | 6799.1  | 6411.1  | 6114.3  | 5779.5  | 5288.6  | 5208.7  |
| 13887.4 | 55°   | 18418.9 | 21352.4 | 18555.9 | 9512.0  | 6034.4  | 5912.6  | 5463.7  | 5060.4  | 5007.1  | 4938.6  |
| 15405.6 | 57.5° | 20328.9 | 22459.6 | 18137.4 | 7529.7  | 5250.6  | 5330.5  | 4892.9  | 4938.6  | 4843.5  | 4737.0  |
| 17357.4 | 60°   | 22417.8 | 23604.9 | 17403.1 | 5722.4  | 4440.2  | 4603.8  | 4744.6  | 4740.8  | 4714.1  | 4626.6  |
| 19415.8 | 62.5° | 24297.3 | 24358.2 | 15957.3 | 4383.1  | 3728.7  | 4040.7  | 4425.0  | 4421.2  | 4398.3  | 4348.9  |
| 21565.5 | 65°   | 25415.9 | 24244.1 | 13545.0 | 3450.9  | 3142.7  | 3576.5  | 3991.2  | 4021.7  | 4025.5  | 4021.7  |
| 23182.5 | 67.5° | 25218.1 | 22908.6 | 10234.9 | 2747.1  | 2659.5  | 3104.7  | 3561.3  | 3603.1  | 3633.6  | 3641.2  |
| 23388.0 | 70°   | 22980.9 | 19975.1 | 6673.6  | 2191.6  | 2229.6  | 2690.0  | 3154.2  | 3196.0  | 3222.6  | 3253.1  |
| 20294.7 | 72.5° | 17912.9 | 14686.5 | 3820.0  | 1773.0  | 1852.9  | 2332.3  | 2750.9  | 2800.3  | 2815.5  | 2872.6  |
| 14123.3 | 75°   | 10915.9 | 8636.9  | 2062.2  | 1396.4  | 1521.9  | 1993.7  | 2351.4  | 2408.4  | 2435.1  | 2503.5  |
| 6936.1  | 77.5° | 5189.7  | 3740.1  | 1175.7  | 1088.2  | 1225.1  | 1628.4  | 1986.1  | 2050.8  | 1978.5  | 2016.5  |
| 1913.8  | 80°   | 1754.0  | 1388.7  | 741.9   | 829.4   | 936.0   | 1270.8  | 1590.4  | 1655.1  | 1502.9  | 1495.3  |
| 635.4   | 82.5° | 612.6   | 563.1   | 471.8   | 551.7   | 605.0   | 909.3   | 1202.3  | 1286.0  | 1118.6  | 1114.8  |
| 285.4   | 85°   | 239.7   | 228.3   | 262.5   | 300.6   | 361.5   | 559.3   | 791.4   | 833.2   | 688.7   | 555.5   |
| 83.7    | 87.5° | 49.5    | 53.3    | 64.7    | 68.5    | 110.3   | 194.0   | 285.4   | 350.0   | 277.7   | 235.9   |
| 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°    |
|---------|
| 8203.1  |
| 8511.3  |
| 8960.3  |
| 9477.7  |
| 10067.4 |
| 10740.9 |
| 11570.3 |
| 12472.1 |
| 12962.9 |
| 12708.0 |
| 12023.1 |
| 11326.8 |
| 10718.1 |
| 10135.9 |
| 9508.1  |
| 8838.5  |
| 8245.0  |
| 8108.0  |
| 7742.7  |
| 7103.5  |
| 6076.2  |
| 5235.4  |
| 4950.0  |
| 4717.9  |
| 4596.2  |
| 4329.8  |
| 4021.7  |
| 3648.8  |
| 3268.3  |
| 2895.4  |
| 2511.2  |
| 1986.1  |
| 1480.1  |
| 1061.5  |
| 547.9   |
| 216.9   |
| 0.0     |