

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: P942689

Luminaire Tested: **GLAN-SB6D-760-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942689  
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-SB6D-760-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 64526 lumens  
Efficiency: N/A  
Efficacy: 146.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1  
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



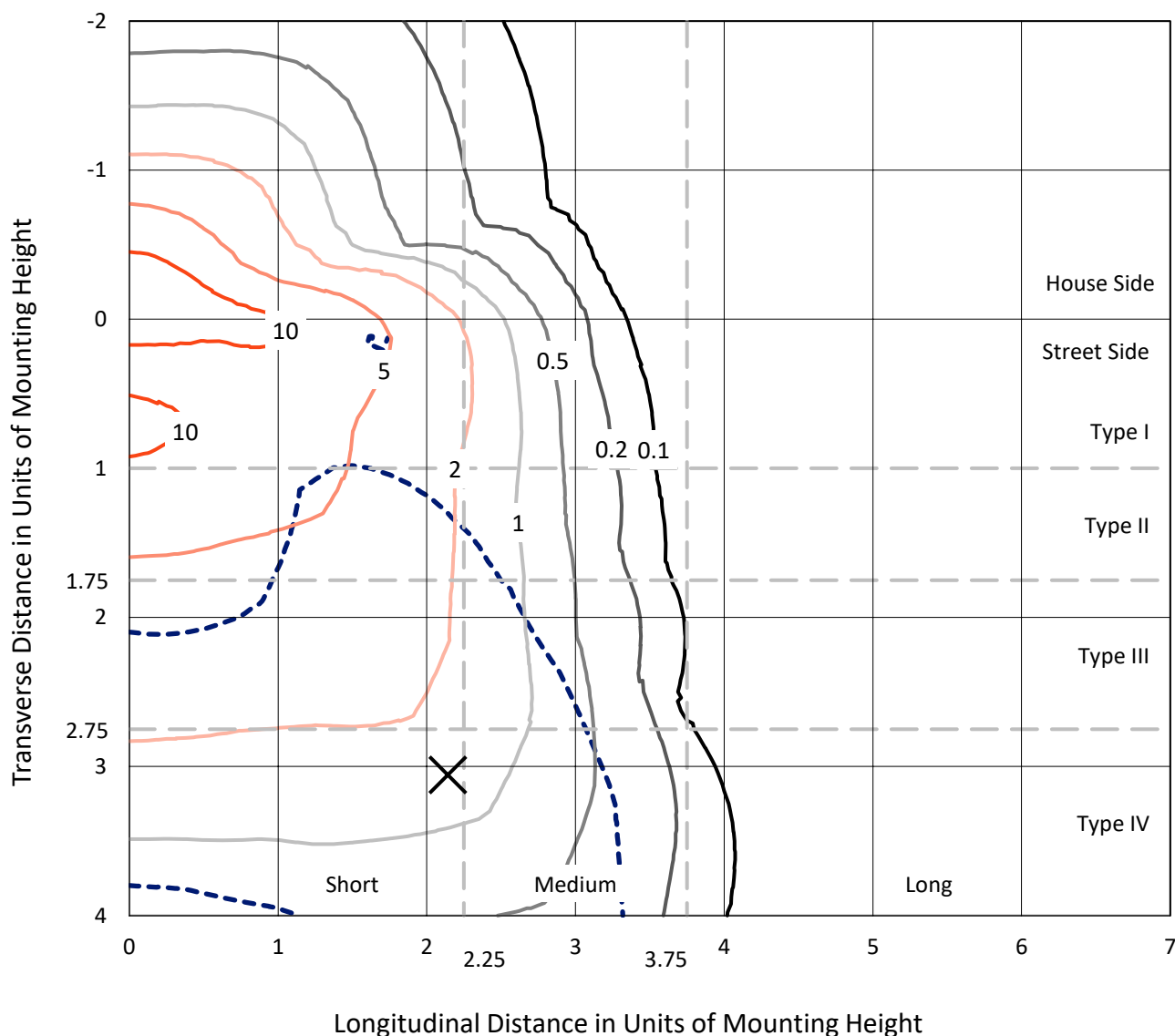
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

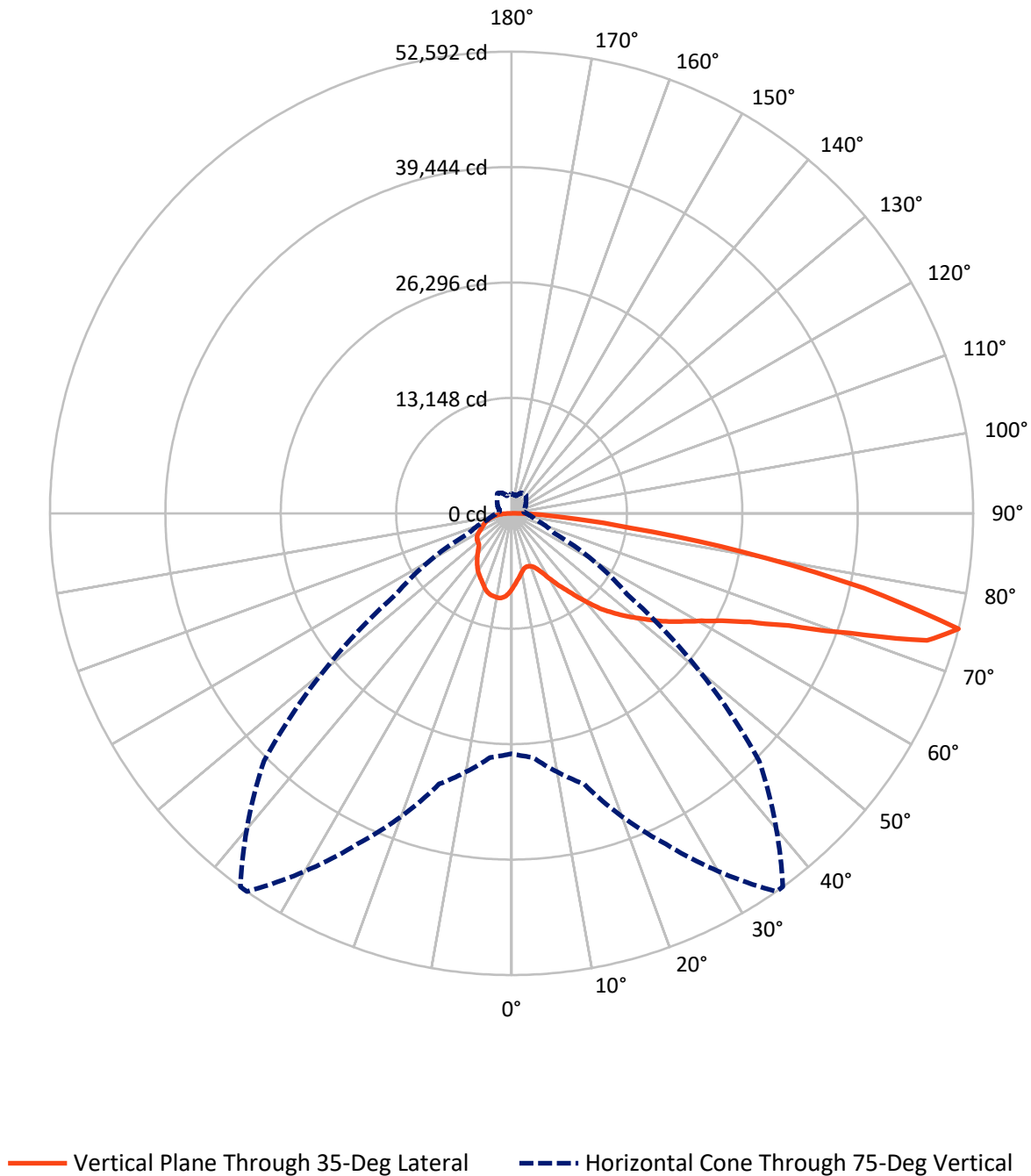


Based on 25 foot mounting height. Maximum calculated value = 15.2 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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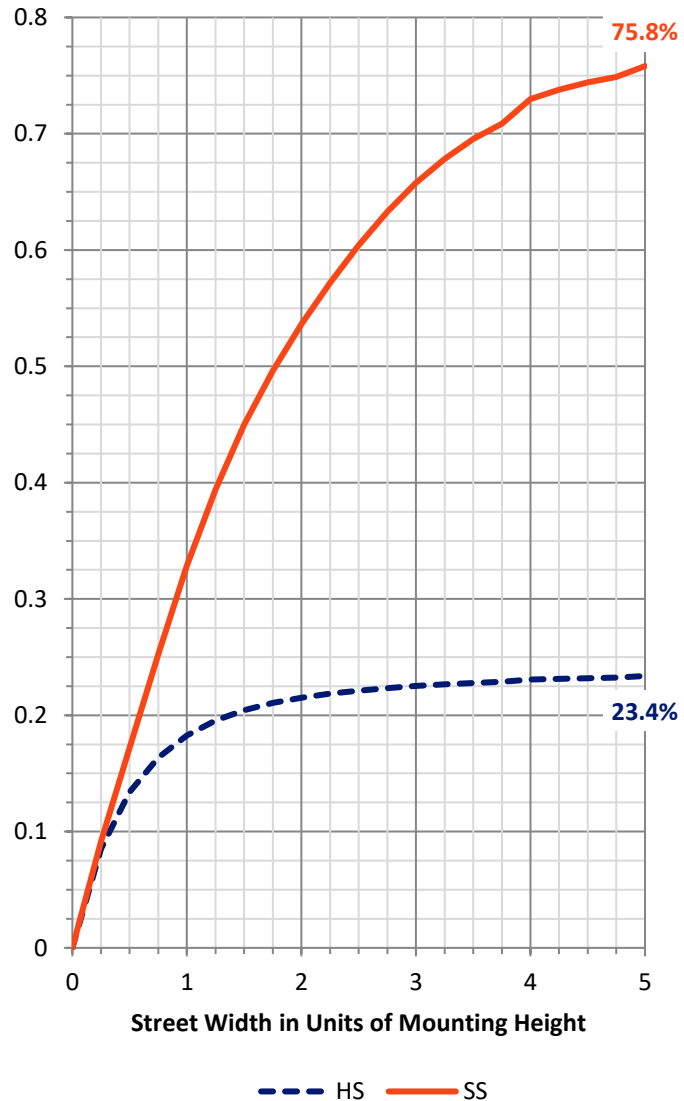
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15355.6  | 0.0    | 15355.6 |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 49170.4  | 0.0    | 49170.4 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 64526.0  | 0.0    | 64526.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 814.1   | 1.3       |
| 10°-20°   | 2348.2  | 3.6       |
| 20°-30°   | 3943.3  | 6.1       |
| 30°-40°   | 6128.5  | 9.5       |
| 40°-50°   | 9096.3  | 14.1      |
| 50°-60°   | 12557.9 | 19.5      |
| 60°-70°   | 15235.6 | 23.6      |
| 70°-80°   | 12591.1 | 19.5      |
| 80°-90°   | 1811.0  | 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°    | 64526.0 | 100.0     |
| 0°-180°   | 64526.0 | 100.0     |

**Coefficient of Utilization**



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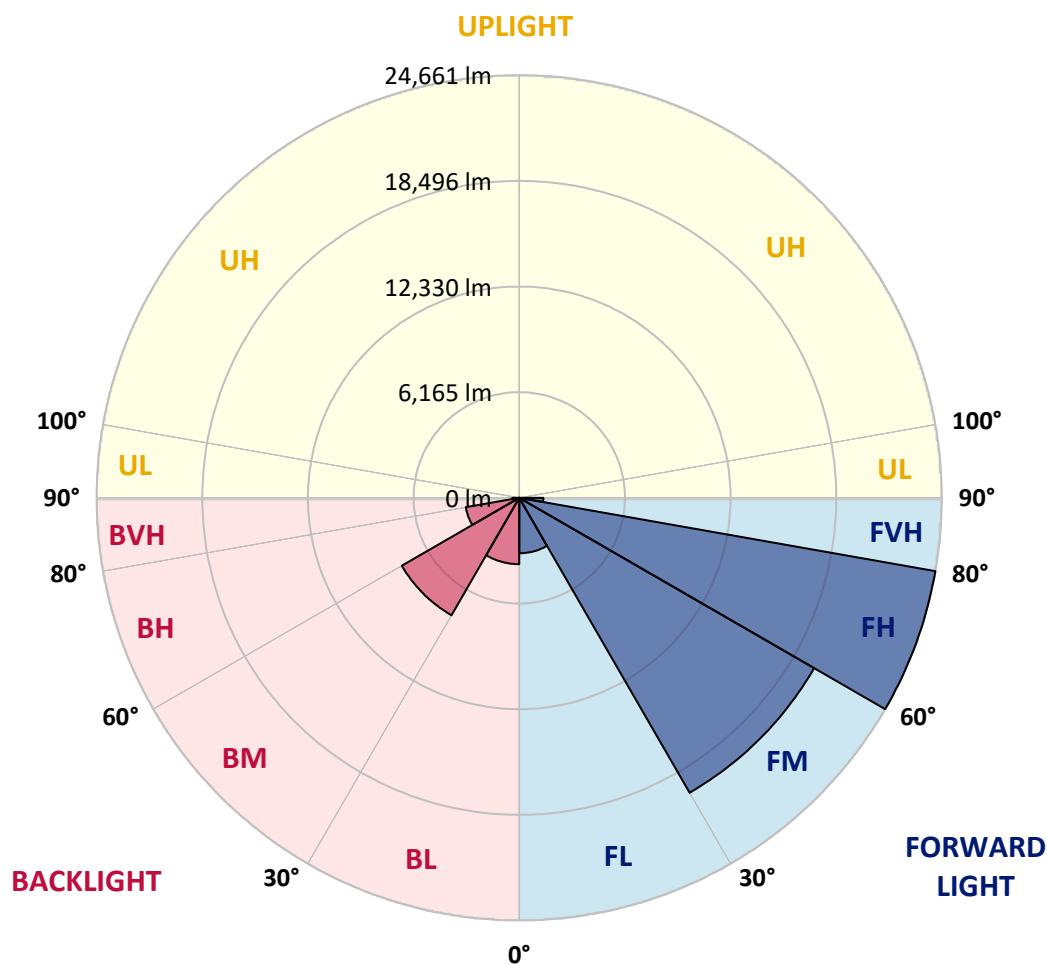
CATALOG NUMBER: GLAN-SB6D-760-U-T4FT

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3235.9  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 19870.5 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 24660.9 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 1403.2  | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 3869.8  | 6.0       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7912.1  | 12.3      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3165.8  | 4.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 407.8   | 0.6       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8598.5  | 8598.5  | 8598.5  | 8598.5  | 8598.5  | 8598.5  | 8598.5  | 8598.5  | 8598.5  | 8598.5  |
| 2.5°  | 7928.8  | 7977.6  | 7998.5  | 7988.1  | 8040.4  | 8033.4  | 8106.7  | 8197.4  | 8323.0  | 8445.0  |
| 5°    | 7318.3  | 7370.7  | 7416.0  | 7457.9  | 7559.0  | 7590.4  | 7705.5  | 7879.9  | 8110.2  | 8343.9  |
| 7.5°  | 6749.8  | 6795.1  | 6864.9  | 6941.6  | 7112.5  | 7143.9  | 7335.8  | 7607.9  | 7928.8  | 8270.6  |
| 10°   | 6285.8  | 6331.2  | 6404.4  | 6491.6  | 6704.4  | 6742.8  | 6987.0  | 7349.7  | 7768.3  | 8200.9  |
| 12.5° | 6087.0  | 6100.9  | 6142.8  | 6230.0  | 6414.9  | 6439.3  | 6707.9  | 7123.0  | 7611.4  | 8148.5  |
| 15°   | 6076.5  | 6104.4  | 6107.9  | 6153.3  | 6306.7  | 6317.2  | 6564.9  | 6976.5  | 7513.7  | 8138.1  |
| 17.5° | 6181.2  | 6202.1  | 6170.7  | 6198.6  | 6327.7  | 6345.1  | 6540.5  | 6906.7  | 7482.3  | 8183.4  |
| 20°   | 6460.2  | 6477.7  | 6383.5  | 6345.1  | 6439.3  | 6453.3  | 6645.1  | 6952.1  | 7513.7  | 8277.6  |
| 22.5° | 7053.2  | 7063.7  | 6833.5  | 6676.5  | 6683.5  | 6690.5  | 6857.9  | 7137.0  | 7635.8  | 8448.5  |
| 25°   | 7977.6  | 7970.6  | 7604.4  | 7300.9  | 7126.5  | 7088.1  | 7199.7  | 7436.9  | 7841.6  | 8675.3  |
| 27.5° | 9059.0  | 9006.7  | 8640.4  | 8186.9  | 7806.7  | 7750.9  | 7726.5  | 7827.6  | 8134.6  | 8975.3  |
| 30°   | 10279.9 | 10231.0 | 9836.9  | 9243.9  | 8717.1  | 8626.4  | 8396.2  | 8343.9  | 8570.6  | 9383.4  |
| 32.5° | 11619.3 | 11588.0 | 11117.0 | 10398.5 | 9693.8  | 9589.2  | 9202.0  | 9062.5  | 9240.4  | 10000.8 |
| 35°   | 12742.6 | 12714.7 | 12324.0 | 11584.5 | 10722.9 | 10593.8 | 10199.6 | 10042.7 | 10133.4 | 10792.6 |
| 37.5° | 13757.6 | 13743.7 | 13408.8 | 12826.3 | 11936.8 | 11779.8 | 11336.8 | 11284.5 | 11267.0 | 11835.6 |
| 40°   | 14699.5 | 14664.6 | 14315.8 | 14008.8 | 13349.5 | 13206.5 | 12815.8 | 12770.5 | 12637.9 | 13119.3 |
| 42.5° | 15742.5 | 15651.8 | 15146.0 | 15002.9 | 14825.0 | 14706.4 | 14472.7 | 14479.7 | 14186.7 | 14566.9 |
| 45°   | 16593.6 | 16541.3 | 16021.5 | 15937.8 | 16129.6 | 16080.8 | 16283.1 | 16335.5 | 15766.9 | 16084.3 |
| 47.5° | 17507.5 | 17458.7 | 17019.2 | 16959.9 | 17479.6 | 17493.6 | 18208.6 | 18226.1 | 17308.7 | 17661.0 |
| 50°   | 18634.2 | 18564.4 | 18128.4 | 18201.7 | 18784.2 | 18836.5 | 20144.6 | 20026.0 | 18728.4 | 19262.1 |
| 52.5° | 19377.2 | 19419.1 | 19324.9 | 19443.5 | 20238.8 | 20287.6 | 22049.2 | 21745.7 | 20134.2 | 20842.3 |
| 55°   | 19924.9 | 20008.6 | 20301.6 | 20573.7 | 21773.6 | 21822.5 | 23845.6 | 23381.7 | 21299.2 | 22307.3 |
| 57.5° | 20629.5 | 20510.9 | 21058.5 | 21588.8 | 23231.7 | 23360.8 | 25593.3 | 24958.4 | 22331.7 | 23570.1 |
| 60°   | 21641.1 | 21557.4 | 21982.9 | 22767.8 | 24864.2 | 25070.0 | 27442.0 | 26378.1 | 23088.7 | 24571.2 |
| 62.5° | 23692.2 | 23482.9 | 23549.1 | 24243.3 | 26922.3 | 27194.4 | 29528.0 | 27616.4 | 23465.4 | 24961.9 |
| 65°   | 26758.3 | 26399.0 | 26064.2 | 26545.6 | 29821.0 | 30089.6 | 31882.6 | 28589.7 | 23325.9 | 24204.9 |
| 67.5° | 30619.8 | 30264.0 | 29852.4 | 30305.9 | 34090.6 | 34303.4 | 34788.3 | 29137.3 | 22227.1 | 21288.8 |
| 70°   | 33804.6 | 33672.0 | 34163.9 | 36030.1 | 40910.1 | 40917.1 | 38513.7 | 28683.8 | 19216.7 | 15093.6 |
| 72.5° | 33382.5 | 33302.3 | 35894.0 | 41663.6 | 49505.2 | 49320.3 | 42040.3 | 25251.4 | 12944.9 | 6809.1  |
| 75°   | 27386.2 | 27906.0 | 31920.9 | 41562.4 | 52592.3 | 52567.9 | 39881.1 | 16052.9 | 5354.5  | 2822.0  |
| 77.5° | 14685.5 | 15508.7 | 20723.7 | 30686.1 | 41056.7 | 41674.1 | 28038.5 | 5616.1  | 2298.8  | 1806.9  |
| 80°   | 4789.4  | 5507.9  | 8260.2  | 15623.9 | 26678.1 | 26563.0 | 12017.0 | 2204.6  | 1573.2  | 1280.2  |
| 82.5° | 2033.6  | 2117.4  | 3690.6  | 7377.6  | 13691.4 | 13478.6 | 3826.6  | 1266.2  | 1105.8  | 875.5   |
| 85°   | 795.3   | 889.5   | 1629.0  | 3411.5  | 5930.0  | 5801.0  | 1381.3  | 627.9   | 708.1   | 572.1   |
| 87.5° | 261.6   | 317.4   | 582.5   | 1168.6  | 1845.3  | 1779.0  | 338.4   | 216.3   | 307.0   | 261.6   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 8598.5  | 0°    | 8598.5  | 8598.5  | 8598.5  | 8598.5 | 8598.5 | 8598.5 | 8598.5 | 8598.5 | 8598.5 | 8598.5 |
| 8622.9  | 2.5°  | 8671.8  | 8727.6  | 8793.9  | 8891.5 | 8975.3 | 9045.0 | 9118.3 | 9163.6 | 9181.1 | 9233.4 |
| 8636.9  | 5°    | 8734.6  | 8856.7  | 9020.6  | 9181.1 | 9338.0 | 9432.2 | 9515.9 | 9557.8 | 9596.2 | 9624.1 |
| 8675.3  | 7.5°  | 8839.2  | 8996.2  | 9254.3  | 9463.6 | 9596.2 | 9672.9 | 9728.7 | 9714.8 | 9728.7 | 9735.7 |
| 8717.1  | 10°   | 8929.9  | 9149.7  | 9456.6  | 9655.5 | 9756.6 | 9760.1 | 9746.2 | 9697.3 | 9672.9 | 9676.4 |
| 8779.9  | 12.5° | 9038.0  | 9282.2  | 9613.6  | 9781.0 | 9808.9 | 9732.2 | 9672.9 | 9589.2 | 9557.8 | 9543.8 |
| 8874.1  | 15°   | 9184.6  | 9463.6  | 9784.5  | 9847.3 | 9777.6 | 9679.9 | 9578.7 | 9442.7 | 9372.9 | 9317.1 |
| 9034.6  | 17.5° | 9362.5  | 9669.4  | 9917.1  | 9871.7 | 9721.7 | 9561.3 | 9397.3 | 9191.5 | 9048.5 | 8989.2 |
| 9254.3  | 20°   | 9610.1  | 9885.7  | 10018.2 | 9819.4 | 9592.7 | 9348.5 | 9069.4 | 8818.3 | 8685.7 | 8626.4 |
| 9533.4  | 22.5° | 9910.1  | 10175.2 | 10115.9 | 9728.7 | 9407.8 | 9017.1 | 8668.3 | 8483.4 | 8417.1 | 8375.3 |
| 9892.7  | 25°   | 10269.4 | 10496.1 | 10185.7 | 9596.2 | 9104.3 | 8577.6 | 8309.0 | 8249.7 | 8218.3 | 8186.9 |
| 10332.2 | 27.5° | 10736.8 | 10858.9 | 10238.0 | 9400.8 | 8629.9 | 8110.2 | 8012.5 | 8023.0 | 8012.5 | 7960.2 |
| 10942.6 | 30°   | 11354.2 | 11329.8 | 10286.8 | 9083.4 | 8085.8 | 7688.1 | 7695.1 | 7740.4 | 7747.4 | 7712.5 |
| 11793.8 | 32.5° | 12167.0 | 11919.3 | 10311.3 | 8671.8 | 7566.0 | 7318.3 | 7325.3 | 7374.2 | 7409.0 | 7349.7 |
| 12906.5 | 35°   | 13150.7 | 12606.5 | 10272.9 | 8155.5 | 7164.9 | 6966.0 | 6913.7 | 6927.7 | 6938.1 | 6882.3 |
| 14256.5 | 37.5° | 14298.3 | 13377.4 | 10102.0 | 7583.4 | 6833.5 | 6620.7 | 6509.1 | 6414.9 | 6359.1 | 6306.7 |
| 15784.3 | 40°   | 15557.6 | 14218.1 | 9788.0  | 7025.3 | 6463.7 | 6254.4 | 6087.0 | 5909.1 | 5720.7 | 5651.0 |
| 17402.9 | 42.5° | 16876.1 | 15083.2 | 9407.8  | 6491.6 | 6038.2 | 5867.2 | 5689.3 | 5431.2 | 5148.7 | 5005.6 |
| 19084.2 | 45°   | 18243.5 | 15969.2 | 9034.6  | 5964.9 | 5602.1 | 5528.9 | 5323.1 | 5012.6 | 4705.6 | 4524.3 |
| 20769.0 | 47.5° | 19583.0 | 16806.4 | 8486.9  | 5434.7 | 5194.0 | 5274.2 | 5113.8 | 4827.7 | 4485.9 | 4199.8 |
| 22439.9 | 50°   | 20863.2 | 17591.2 | 7590.4  | 4897.5 | 4862.6 | 5197.5 | 5044.0 | 4632.4 | 4241.7 | 3875.4 |
| 24079.4 | 52.5° | 22132.9 | 18226.1 | 6442.8  | 4409.1 | 4684.7 | 5176.6 | 4953.3 | 4499.8 | 4021.9 | 3638.2 |
| 25621.2 | 55°   | 23210.8 | 18554.0 | 5337.0  | 3990.6 | 4426.6 | 4998.7 | 4845.2 | 4342.9 | 3711.5 | 3303.4 |
| 26678.1 | 57.5° | 23824.7 | 18288.9 | 4416.1  | 3578.9 | 4070.8 | 4705.6 | 4660.3 | 4008.0 | 3341.7 | 3027.8 |
| 26883.9 | 60°   | 23559.6 | 17214.5 | 3662.7  | 3219.7 | 3732.4 | 4388.2 | 4339.4 | 3676.6 | 3059.2 | 2762.7 |
| 25781.6 | 62.5° | 22098.0 | 15166.9 | 3066.2  | 2905.7 | 3425.5 | 4063.8 | 4018.5 | 3422.0 | 2842.9 | 2556.9 |
| 22855.0 | 65°   | 19154.0 | 12337.9 | 2602.2  | 2644.1 | 3115.0 | 3673.1 | 3739.4 | 3209.2 | 2672.0 | 2392.9 |
| 17681.9 | 67.5° | 14608.8 | 8936.9  | 2239.5  | 2417.4 | 2811.5 | 3289.4 | 3481.3 | 3055.7 | 2529.0 | 2263.9 |
| 10231.0 | 70°   | 8326.4  | 5075.4  | 1932.5  | 2197.6 | 2542.9 | 2933.6 | 3282.4 | 2933.6 | 2375.5 | 2155.7 |
| 3833.6  | 72.5° | 3156.9  | 2330.1  | 1670.9  | 1977.8 | 2284.8 | 2633.6 | 3062.7 | 2741.8 | 2197.6 | 2033.6 |
| 1981.3  | 75°   | 1684.8  | 1419.7  | 1405.8  | 1719.7 | 1988.3 | 2340.6 | 2787.1 | 2553.4 | 2065.0 | 2148.8 |
| 1370.9  | 77.5° | 1147.6  | 1004.6  | 1175.5  | 1472.0 | 1663.9 | 2016.2 | 2494.1 | 2267.4 | 1789.5 | 1782.5 |
| 948.8   | 80°   | 795.3   | 711.6   | 955.8   | 1186.0 | 1287.2 | 1695.3 | 2176.7 | 1946.4 | 1458.1 | 1360.4 |
| 586.0   | 82.5° | 477.9   | 463.9   | 715.1   | 886.0  | 910.4  | 1308.1 | 1803.4 | 1632.5 | 1193.0 | 1039.5 |
| 348.8   | 85°   | 261.6   | 275.6   | 457.0   | 519.7  | 530.2  | 913.9  | 1412.7 | 1262.7 | 917.4  | 770.9  |
| 125.6   | 87.5° | 73.3    | 94.2    | 167.4   | 205.8  | 254.6  | 474.4  | 840.7  | 750.0  | 460.4  | 320.9  |
| 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°   |
|--------|
| 8598.5 |
| 9229.9 |
| 9631.0 |
| 9746.2 |
| 9683.4 |
| 9536.9 |
| 9334.5 |
| 8992.7 |
| 8619.5 |
| 8382.3 |
| 8186.9 |
| 7970.6 |
| 7730.0 |
| 7377.6 |
| 6920.7 |
| 6341.6 |
| 5682.4 |
| 5023.1 |
| 4510.3 |
| 4168.5 |
| 3844.0 |
| 3596.4 |
| 3268.5 |
| 2985.9 |
| 2720.8 |
| 2511.5 |
| 2347.6 |
| 2222.0 |
| 2127.8 |
| 2005.7 |
| 2218.5 |
| 1643.0 |
| 1301.1 |
| 1046.5 |
| 777.9  |
| 320.9  |
| 0.0    |