

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: P955973

Luminaire Tested: **GLAN-SB8D-735-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-735-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 69669 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

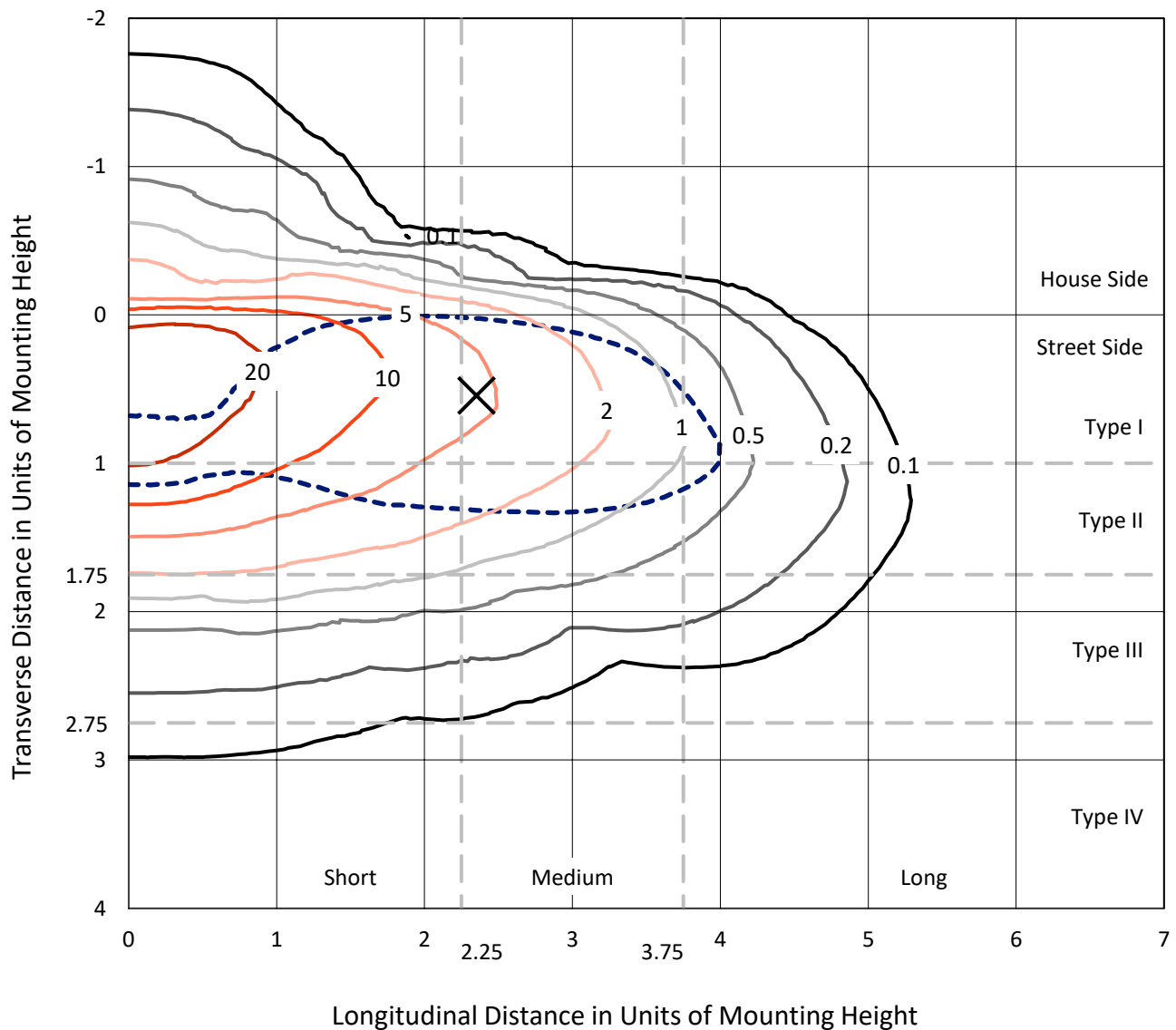
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

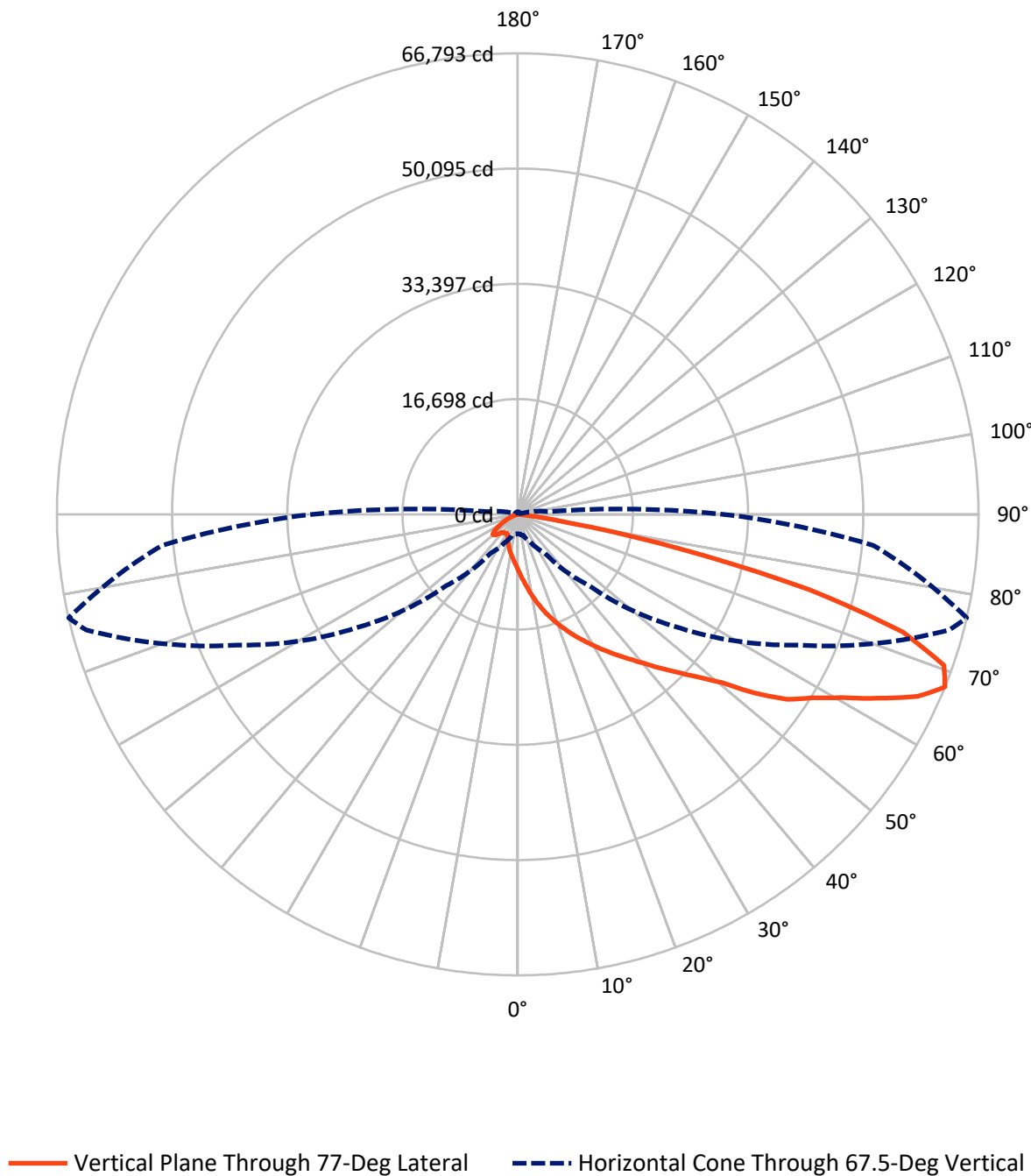
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 30.1 fc  
Type II - 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    | 5125.6   | 0.0    | 5125.6  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 64543.4  | 0.0    | 64543.4 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 69669.0  | 0.0    | 69669.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 820.0   | 1.2       |
| 10°-20°   | 2871.5  | 4.1       |
| 20°-30°   | 5541.2  | 8.0       |
| 30°-40°   | 9619.8  | 13.8      |
| 40°-50°   | 13967.5 | 20.0      |
| 50°-60°   | 16039.9 | 23.0      |
| 60°-70°   | 13925.6 | 20.0      |
| 70°-80°   | 6559.1  | 9.4       |
| 80°-90°   | 324.4   | 0.5       |
| 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°    | 69669.0 | 100.0     |
| 0°-180°   | 69669.0 | 100.0     |

**Coefficient of Utilization**



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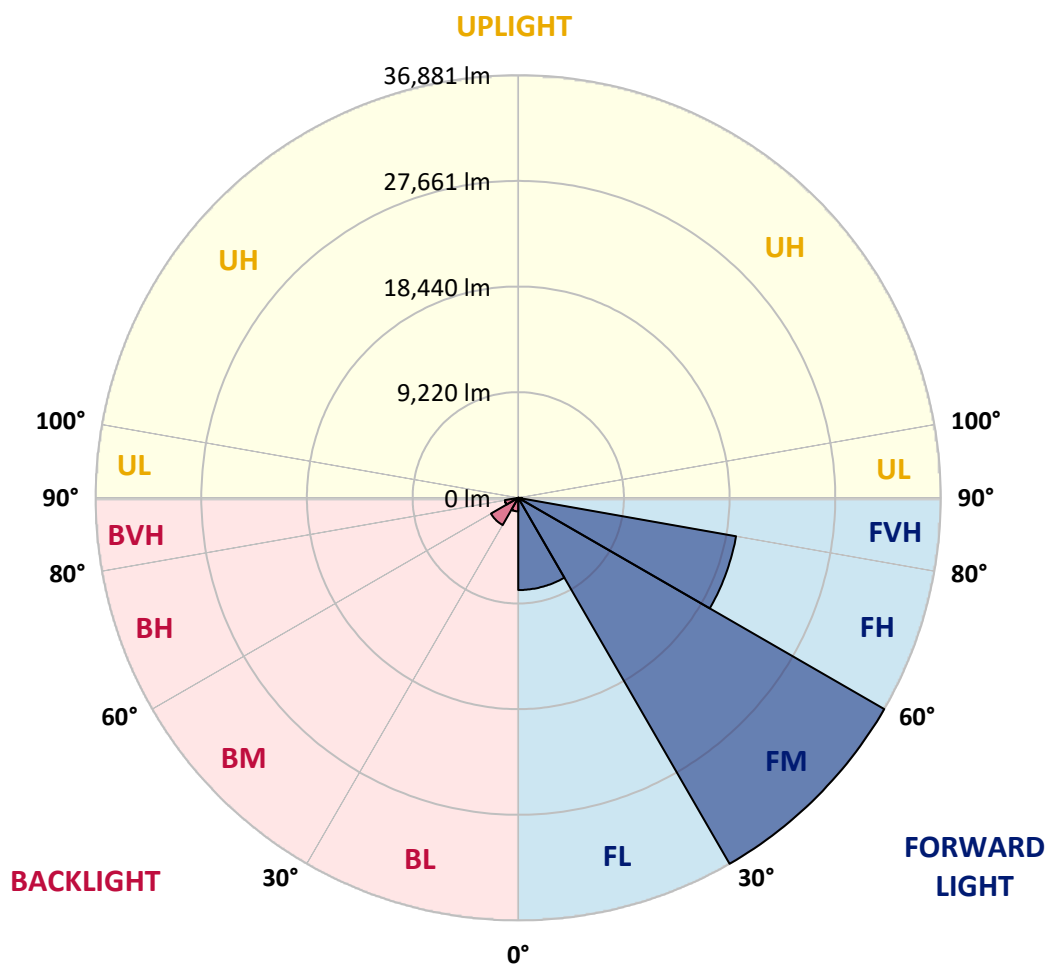
CATALOG NUMBER: GLAN-SB8D-735-U-T2R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 8046.0  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 36880.9 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 19298.1 | 27.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 318.4   | 0.5       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1186.7  | 1.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2746.4  | 3.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1186.6  | 1.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 6.0     | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8033.9  | 8033.9  | 8033.9  | 8033.9  | 8033.9  | 8033.9  | 8033.9  | 8033.9  | 8033.9  | 8033.9  |
| 2.5°  | 11122.8 | 11192.0 | 11092.5 | 10902.2 | 10616.6 | 10430.6 | 9976.3  | 9548.0  | 9072.2  | 8920.7  |
| 5°    | 13558.5 | 13619.1 | 13506.6 | 13298.9 | 12918.2 | 12554.8 | 11957.8 | 11062.2 | 10132.1 | 9833.6  |
| 7.5°  | 15362.5 | 15397.1 | 15353.9 | 15163.5 | 14800.1 | 14389.1 | 13722.9 | 12663.0 | 11282.9 | 10954.1 |
| 10°   | 16660.4 | 16772.9 | 16759.9 | 16686.4 | 16444.1 | 16111.0 | 15401.5 | 14194.5 | 12572.1 | 12148.1 |
| 12.5° | 17521.3 | 17646.8 | 17720.3 | 17884.7 | 17871.8 | 17659.8 | 17036.8 | 15760.6 | 13857.0 | 13359.5 |
| 15°   | 17772.3 | 17906.4 | 18187.6 | 18568.3 | 18905.7 | 19013.9 | 18576.9 | 17296.4 | 15271.7 | 14635.7 |
| 17.5° | 17629.5 | 17837.2 | 18174.6 | 18776.0 | 19515.7 | 20004.6 | 19957.0 | 18780.3 | 16556.6 | 15829.8 |
| 20°   | 17945.3 | 18144.3 | 18408.2 | 18914.4 | 19775.3 | 20662.2 | 21017.0 | 20199.3 | 17832.8 | 17071.4 |
| 22.5° | 19693.1 | 19658.5 | 19684.5 | 19766.7 | 20281.5 | 21159.7 | 21890.9 | 21488.5 | 19096.1 | 18317.4 |
| 25°   | 22461.9 | 22306.2 | 22042.3 | 21596.7 | 21466.9 | 21890.9 | 22652.3 | 22630.7 | 20428.6 | 19593.6 |
| 27.5° | 25637.4 | 25611.4 | 24992.8 | 23919.9 | 23314.2 | 23149.8 | 23513.2 | 23742.5 | 21748.1 | 20856.9 |
| 30°   | 28678.8 | 28748.0 | 27913.0 | 26719.0 | 25607.1 | 24962.5 | 24633.7 | 24798.1 | 23089.2 | 22219.7 |
| 32.5° | 31326.4 | 31400.0 | 30491.5 | 29094.1 | 27718.3 | 26939.6 | 26247.4 | 25840.7 | 24551.5 | 23604.1 |
| 35°   | 33563.1 | 33636.7 | 32594.0 | 31049.5 | 29582.9 | 28877.8 | 28094.7 | 26982.9 | 26022.4 | 25139.9 |
| 37.5° | 35561.8 | 35540.2 | 34142.8 | 32585.4 | 31144.7 | 30586.6 | 30175.6 | 28388.9 | 27536.6 | 26684.4 |
| 40°   | 36742.9 | 36833.8 | 35639.7 | 33922.2 | 32524.8 | 32118.1 | 32092.2 | 30132.4 | 29284.4 | 28458.1 |
| 42.5° | 37089.0 | 37249.1 | 36383.8 | 34973.5 | 33705.9 | 33264.6 | 33943.8 | 32018.6 | 31317.8 | 30513.1 |
| 45°   | 36466.0 | 36621.8 | 36228.1 | 35250.3 | 34510.6 | 34225.0 | 35535.9 | 33974.1 | 33489.6 | 32693.5 |
| 47.5° | 34649.0 | 34843.7 | 34938.9 | 34731.2 | 34722.5 | 35012.4 | 36963.5 | 36033.4 | 36068.0 | 35254.7 |
| 50°   | 31131.7 | 31460.5 | 32334.4 | 33069.9 | 34207.7 | 35635.4 | 38352.3 | 38265.7 | 38975.3 | 38274.4 |
| 52.5° | 24737.5 | 25204.8 | 28215.9 | 30227.6 | 32784.4 | 35518.6 | 39879.4 | 41847.9 | 44075.9 | 43050.6 |
| 55°   | 19879.2 | 19879.2 | 22327.8 | 26091.7 | 30006.9 | 34748.5 | 40545.7 | 44175.4 | 47549.9 | 47307.6 |
| 57.5° | 16206.2 | 16400.8 | 17962.6 | 21289.5 | 25987.8 | 32914.2 | 40956.7 | 45637.7 | 50349.0 | 50171.6 |
| 60°   | 10002.3 | 10422.0 | 13372.5 | 16656.1 | 21415.0 | 29647.8 | 40697.1 | 47117.3 | 53745.1 | 53887.9 |
| 62.5° | 5632.8  | 5788.5  | 7103.7  | 11983.7 | 16651.8 | 25256.7 | 38711.4 | 47943.6 | 58088.7 | 58694.3 |
| 65°   | 3889.3  | 3967.2  | 4473.4  | 7458.5  | 11542.5 | 20108.4 | 34830.7 | 47428.8 | 62440.9 | 63665.2 |
| 67.5° | 2825.0  | 2864.0  | 3179.8  | 4555.5  | 6848.5  | 14579.5 | 28748.0 | 44833.0 | 64746.8 | 66793.1 |
| 70°   | 2171.8  | 2197.7  | 2427.0  | 2993.8  | 4045.1  | 8998.6  | 20878.5 | 39671.8 | 63076.8 | 65521.2 |
| 72.5° | 1765.1  | 1791.1  | 1968.4  | 2215.0  | 2682.3  | 5321.3  | 12654.3 | 32217.6 | 55704.9 | 58343.9 |
| 75°   | 1488.2  | 1522.8  | 1682.9  | 1843.0  | 2102.6  | 3417.7  | 5935.6  | 22436.0 | 41891.1 | 43621.7 |
| 77.5° | 826.3   | 761.4   | 1367.1  | 1527.2  | 1773.8  | 2163.1  | 2777.5  | 13203.7 | 23461.3 | 23941.5 |
| 80°   | 514.8   | 532.1   | 1085.9  | 1228.7  | 1362.8  | 1090.2  | 1271.9  | 5083.4  | 8133.4  | 7726.7  |
| 82.5° | 30.3    | 69.2    | 835.0   | 886.9   | 934.5   | 467.2   | 480.2   | 1726.2  | 1959.8  | 1799.7  |
| 85°   | 0.0     | 0.0     | 380.7   | 307.2   | 324.5   | 134.1   | 138.4   | 402.3   | 263.9   | 285.5   |
| 87.5° | 0.0     | 0.0     | 0.0     | 8.7     | 0.0     | 13.0    | 26.0    | 34.6    | 13.0    | 17.3    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8033.9  | 0°    | 8033.9  | 8033.9  | 8033.9 | 8033.9 | 8033.9 | 8033.9 | 8033.9 | 8033.9 | 8033.9 | 8033.9 |
| 8444.9  | 2.5°  | 8142.0  | 7839.2  | 7224.8 | 6623.5 | 6134.6 | 5680.4 | 5355.9 | 5048.7 | 4893.0 | 4884.3 |
| 8990.0  | 5°    | 8388.6  | 7752.7  | 6524.0 | 5438.1 | 4564.2 | 3863.3 | 3409.1 | 3084.6 | 2920.2 | 2864.0 |
| 9660.5  | 7.5°  | 8734.7  | 7778.6  | 5909.7 | 4399.8 | 3370.2 | 2768.8 | 2509.2 | 2405.4 | 2370.8 | 2331.9 |
| 10417.6 | 10°   | 9171.7  | 7839.2  | 5360.2 | 3543.2 | 2656.3 | 2353.5 | 2249.7 | 2206.4 | 2180.4 | 2154.5 |
| 11269.9 | 12.5° | 9660.5  | 7895.4  | 4815.1 | 2941.9 | 2336.2 | 2180.4 | 2106.9 | 2055.0 | 2020.4 | 1990.1 |
| 12143.8 | 15°   | 10136.4 | 7930.0  | 4248.4 | 2522.2 | 2171.8 | 2046.3 | 1968.4 | 1912.2 | 1864.6 | 1830.0 |
| 13000.4 | 17.5° | 10608.0 | 7977.6  | 3716.3 | 2271.3 | 2037.7 | 1912.2 | 1834.3 | 1765.1 | 1726.2 | 1687.2 |
| 13900.3 | 20°   | 11131.5 | 7969.0  | 3214.4 | 2093.9 | 1903.6 | 1778.1 | 1695.9 | 1631.0 | 1592.1 | 1548.8 |
| 14852.0 | 22.5° | 11616.0 | 7925.7  | 2773.1 | 1942.5 | 1765.1 | 1644.0 | 1553.1 | 1488.2 | 1449.3 | 1414.7 |
| 15825.4 | 25°   | 12174.1 | 7891.1  | 2405.4 | 1804.0 | 1635.3 | 1514.2 | 1414.7 | 1354.1 | 1310.9 | 1280.6 |
| 16803.2 | 27.5° | 12710.5 | 7839.2  | 2137.2 | 1678.6 | 1509.9 | 1393.1 | 1297.9 | 1228.7 | 1189.7 | 1168.1 |
| 17811.2 | 30°   | 13238.3 | 7826.2  | 2037.7 | 1557.5 | 1397.4 | 1280.6 | 1185.4 | 1120.5 | 1090.2 | 1081.6 |
| 18918.7 | 32.5° | 13874.3 | 7860.8  | 2080.9 | 1514.2 | 1293.6 | 1176.7 | 1085.9 | 1038.3 | 1008.0 | 1008.0 |
| 20151.7 | 35°   | 14553.5 | 7852.2  | 2145.8 | 1553.1 | 1224.3 | 1072.9 | 1003.7 | 973.4  | 943.1  | 943.1  |
| 21518.8 | 37.5° | 15405.8 | 7865.1  | 2197.7 | 1618.0 | 1198.4 | 986.4  | 947.5  | 908.5  | 891.2  | 891.2  |
| 23015.7 | 40°   | 16677.7 | 8293.4  | 2171.8 | 1674.3 | 1189.7 | 925.8  | 847.9  | 835.0  | 822.0  | 822.0  |
| 24707.3 | 42.5° | 18235.2 | 9223.6  | 2206.4 | 1678.6 | 1185.4 | 882.6  | 778.7  | 804.7  | 774.4  | 770.1  |
| 26615.1 | 45°   | 19939.7 | 10240.3 | 2427.0 | 1587.7 | 1181.1 | 860.9  | 744.1  | 774.4  | 726.8  | 726.8  |
| 28825.9 | 47.5° | 21631.3 | 11248.3 | 2652.0 | 1457.9 | 1168.1 | 856.6  | 713.8  | 696.5  | 683.5  | 687.9  |
| 31707.1 | 50°   | 23963.1 | 12070.3 | 2738.5 | 1280.6 | 1137.8 | 847.9  | 657.6  | 661.9  | 653.3  | 661.9  |
| 35769.5 | 52.5° | 26502.7 | 12243.3 | 2634.7 | 1081.6 | 1051.3 | 822.0  | 618.7  | 636.0  | 631.6  | 640.3  |
| 38629.2 | 55°   | 28086.1 | 12057.3 | 2176.1 | 899.9  | 917.2  | 718.2  | 579.7  | 614.3  | 614.3  | 614.3  |
| 41423.9 | 57.5° | 29721.4 | 11265.6 | 1544.5 | 731.1  | 761.4  | 588.4  | 545.1  | 592.7  | 588.4  | 584.0  |
| 44789.7 | 60°   | 30898.1 | 9985.0  | 1016.7 | 601.3  | 605.7  | 484.5  | 506.2  | 558.1  | 553.8  | 532.1  |
| 48259.4 | 62.5° | 31776.4 | 8570.3  | 653.3  | 510.5  | 462.9  | 437.0  | 462.9  | 506.2  | 488.9  | 441.3  |
| 51201.3 | 65°   | 31676.9 | 6610.5  | 501.8  | 437.0  | 380.7  | 380.7  | 402.3  | 441.3  | 389.4  | 311.5  |
| 51763.7 | 67.5° | 29829.5 | 4473.4  | 415.3  | 367.7  | 320.1  | 315.8  | 333.1  | 367.7  | 333.1  | 263.9  |
| 48882.4 | 70°   | 26528.6 | 2924.5  | 333.1  | 285.5  | 255.2  | 233.6  | 268.2  | 315.8  | 281.2  | 212.0  |
| 41614.3 | 72.5° | 21531.8 | 1782.4  | 250.9  | 207.7  | 186.0  | 151.4  | 212.0  | 259.6  | 225.0  | 155.7  |
| 28938.3 | 75°   | 13930.5 | 908.5   | 173.1  | 134.1  | 99.5   | 90.9   | 155.7  | 194.7  | 155.7  | 95.2   |
| 12840.3 | 77.5° | 5329.9  | 380.7   | 95.2   | 60.6   | 51.9   | 43.3   | 86.5   | 116.8  | 64.9   | 21.6   |
| 2487.6  | 80°   | 1025.3  | 160.1   | 47.6   | 30.3   | 26.0   | 17.3   | 13.0   | 8.7    | 0.0    | 0.0    |
| 441.3   | 82.5° | 177.4   | 51.9    | 17.3   | 8.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 86.5    | 85°   | 60.6    | 8.7     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 30.3    | 87.5° | 21.6    | 0.0     | 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°   |
|--------|
| 8033.9 |
| 4875.7 |
| 2855.3 |
| 2323.2 |
| 2145.8 |
| 1981.4 |
| 1825.7 |
| 1682.9 |
| 1544.5 |
| 1410.4 |
| 1276.2 |
| 1168.1 |
| 1077.2 |
| 1008.0 |
| 943.1  |
| 891.2  |
| 822.0  |
| 765.7  |
| 726.8  |
| 687.9  |
| 661.9  |
| 640.3  |
| 614.3  |
| 584.0  |
| 532.1  |
| 432.6  |
| 302.8  |
| 255.2  |
| 203.3  |
| 147.1  |
| 82.2   |
| 17.3   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |