

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: P955265

Luminaire Tested: **GLAN-SB8B-735-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-735-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35074 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

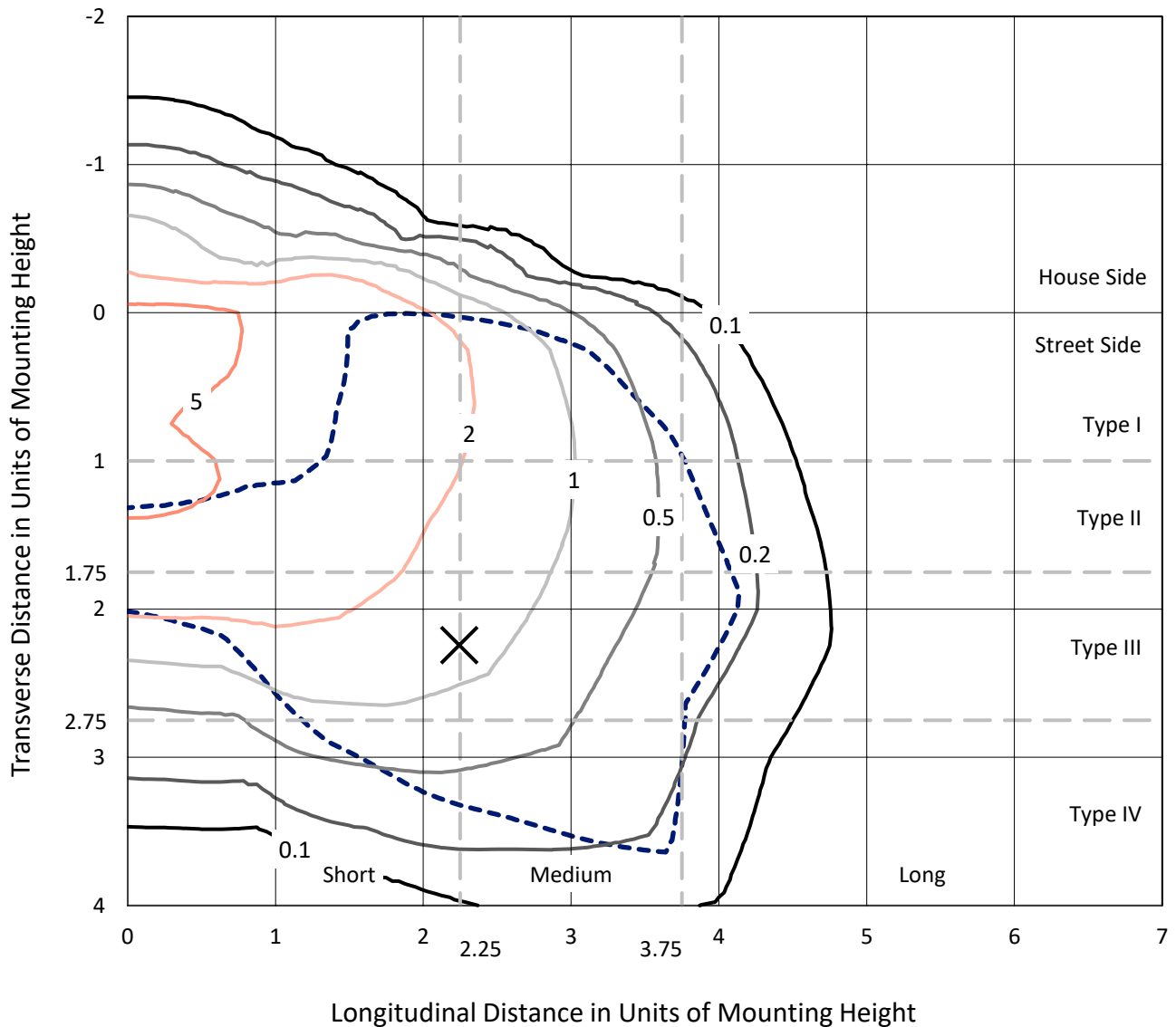
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

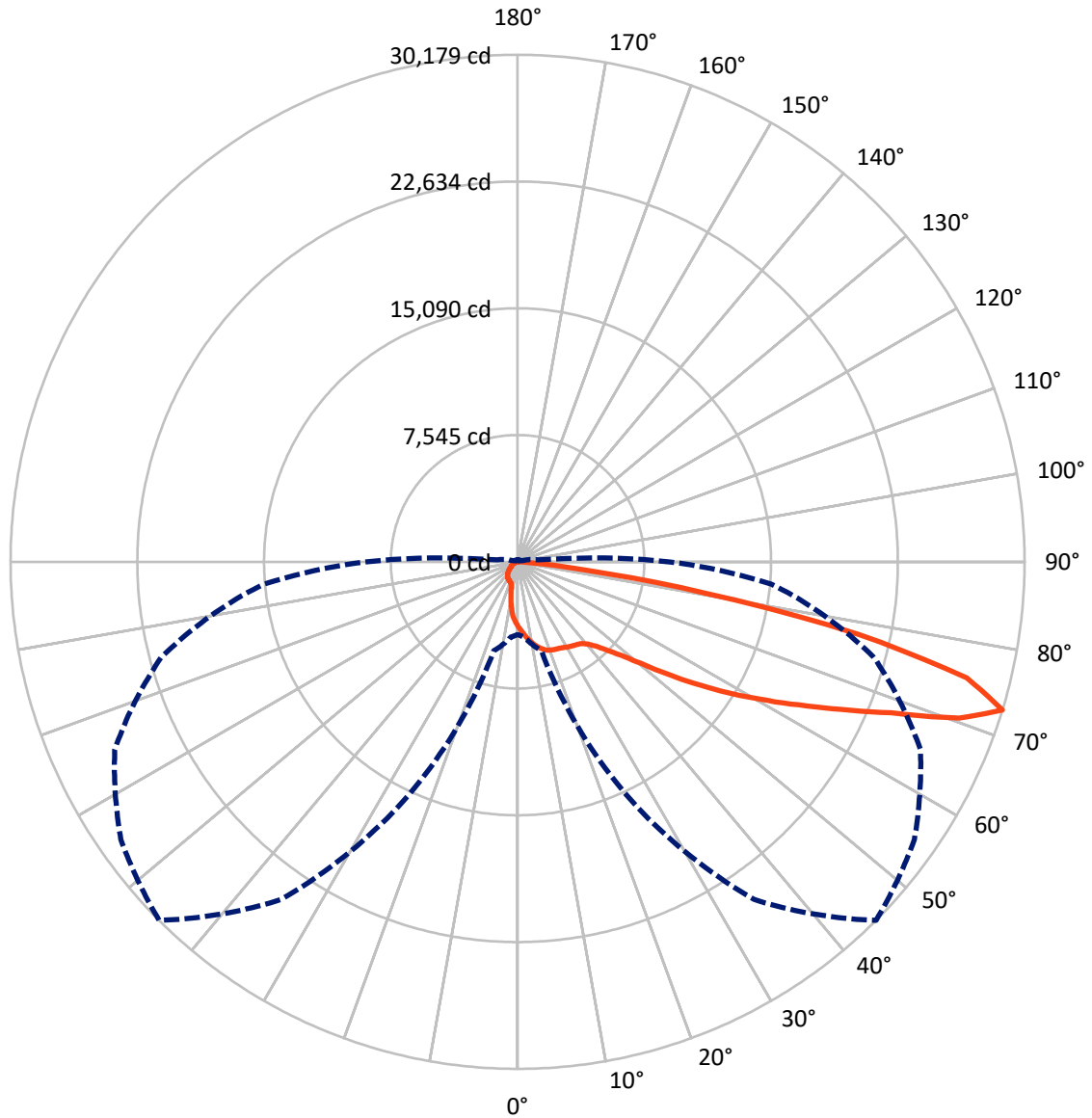
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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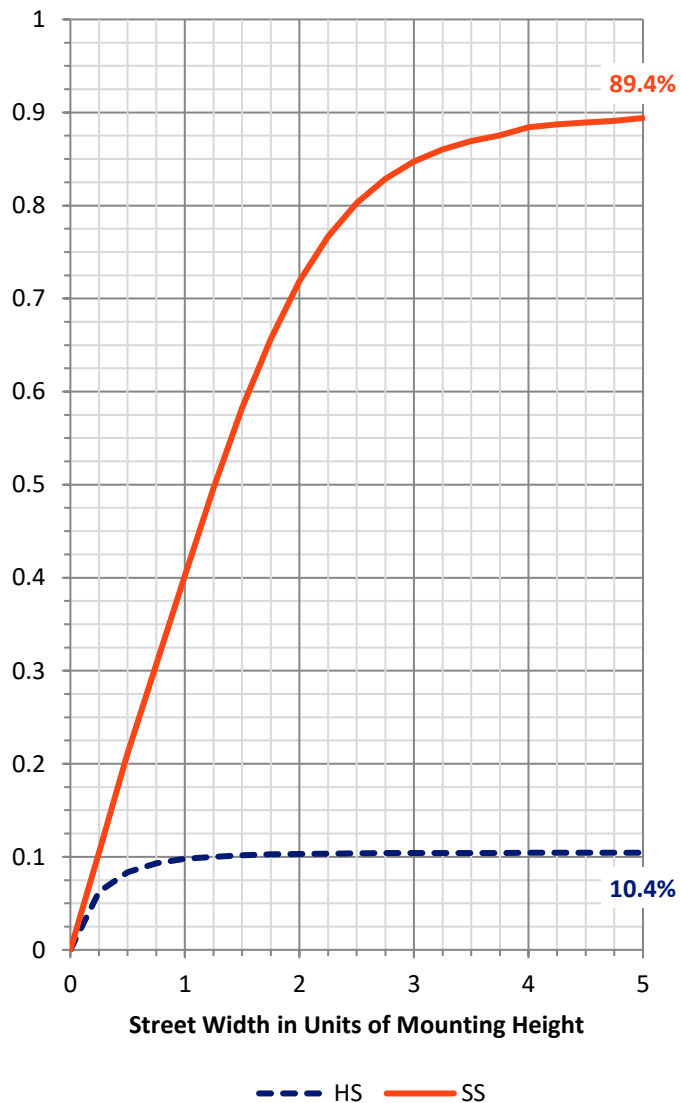
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3685.3 | 0.0 | 3685.3 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| Street Side | Lumens | 31388.7 | 0.0 | 31388.7 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| Total | Lumens | 35074.0 | 0.0 | 35074.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 362.0 | 1.0 |
| 10°-20° | 1058.1 | 3.0 |
| 20°-30° | 1737.5 | 5.0 |
| 30°-40° | 2464.2 | 7.0 |
| 40°-50° | 4073.1 | 11.6 |
| 50°-60° | 7316.8 | 20.9 |
| 60°-70° | 10159.8 | 29.0 |
| 70°-80° | 7369.6 | 21.0 |
| 80°-90° | 532.8 | 1.5 |
| 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° | 35074.0 | 100.0 |
| 0°-180° | 35074.0 | 100.0 |

Coefficient of Utilization

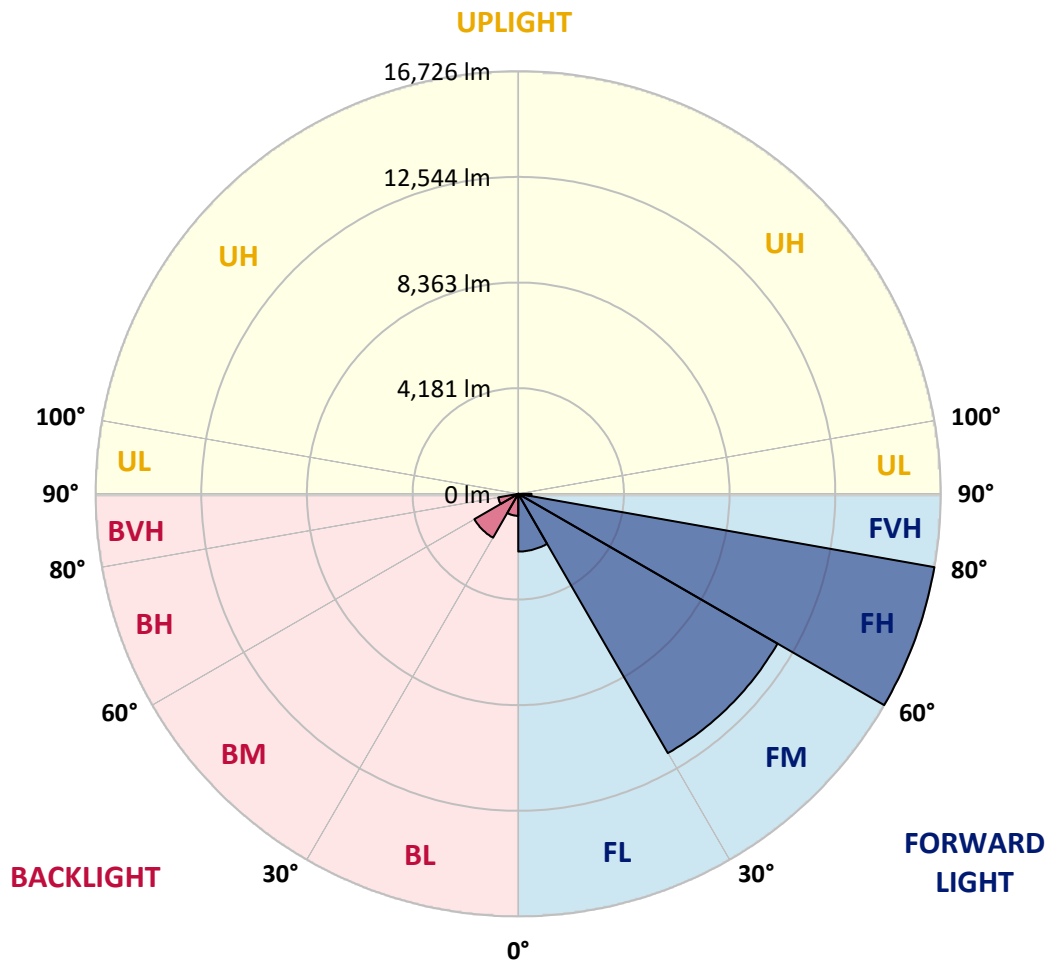


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2284.7 | 6.5 | | | |
| FM (30°-60°) | 11849.9 | 33.8 | | | |
| FH (60°-80°) | 16725.8 | 47.7 | | | G5 |
| FVH (80°-90°) | 528.3 | 1.5 | | | G4/750 |
| BL (0°-30°) | 872.9 | 2.5 | B2/1000 | | |
| BM (30°-60°) | 2004.3 | 5.7 | B2/2500 | | |
| BH (60°-80°) | 803.6 | 2.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 4.5 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 |
| 2.5° | 4196.7 | 4203.9 | 4199.1 | 4170.4 | 4122.5 | 4096.2 | 4081.8 | 4034.0 | 4002.8 | 3947.8 |
| 5° | 4582.2 | 4610.9 | 4594.2 | 4536.7 | 4445.7 | 4381.1 | 4361.9 | 4263.8 | 4175.2 | 4072.3 |
| 7.5° | 4991.6 | 5005.9 | 4974.8 | 4900.6 | 4778.5 | 4668.4 | 4651.6 | 4515.2 | 4373.9 | 4215.9 |
| 10° | 5345.9 | 5362.6 | 5314.8 | 5207.0 | 5068.2 | 4931.7 | 4907.8 | 4757.0 | 4589.4 | 4395.5 |
| 12.5° | 5642.7 | 5659.5 | 5597.3 | 5468.0 | 5314.8 | 5173.5 | 5149.6 | 4991.6 | 4807.2 | 4591.8 |
| 15° | 5867.8 | 5898.9 | 5815.1 | 5676.3 | 5511.1 | 5369.8 | 5357.9 | 5202.2 | 5022.7 | 4783.3 |
| 17.5° | 5999.5 | 6030.6 | 5951.6 | 5784.0 | 5642.7 | 5523.0 | 5508.7 | 5379.4 | 5211.8 | 4982.0 |
| 20° | 6021.0 | 6049.7 | 5965.9 | 5819.9 | 5702.6 | 5606.8 | 5599.7 | 5506.3 | 5384.2 | 5163.9 |
| 22.5° | 5956.4 | 5992.3 | 5915.7 | 5798.4 | 5717.0 | 5666.7 | 5657.1 | 5604.4 | 5535.0 | 5348.3 |
| 25° | 5889.3 | 5918.1 | 5860.6 | 5757.7 | 5714.6 | 5709.8 | 5717.0 | 5707.4 | 5693.0 | 5535.0 |
| 27.5° | 5884.5 | 5915.7 | 5851.0 | 5752.9 | 5728.9 | 5779.2 | 5786.4 | 5831.9 | 5843.8 | 5705.0 |
| 30° | 5925.2 | 5946.8 | 5884.5 | 5781.6 | 5769.6 | 5884.5 | 5886.9 | 5968.3 | 5987.5 | 5848.6 |
| 32.5° | 6013.8 | 6037.8 | 5975.5 | 5824.7 | 5807.9 | 5968.3 | 5975.5 | 6083.3 | 6114.4 | 6001.9 |
| 35° | 6222.1 | 6250.8 | 6179.0 | 5944.4 | 5884.5 | 6047.3 | 6068.9 | 6195.8 | 6258.0 | 6164.6 |
| 37.5° | 6741.6 | 6657.8 | 6559.7 | 6186.2 | 6059.3 | 6171.8 | 6207.7 | 6356.2 | 6466.3 | 6358.6 |
| 40° | 8032.0 | 7768.7 | 7462.2 | 6598.0 | 6365.7 | 6437.6 | 6466.3 | 6614.7 | 6765.6 | 6660.2 |
| 42.5° | 9968.8 | 9657.6 | 9164.4 | 7546.0 | 6827.8 | 6863.7 | 6885.3 | 7014.5 | 7227.6 | 7143.8 |
| 45° | 11694.9 | 11582.4 | 11079.6 | 9164.4 | 7692.0 | 7514.9 | 7541.2 | 7608.3 | 7921.9 | 7890.7 |
| 47.5° | 13021.2 | 12956.5 | 12568.7 | 11022.2 | 9152.4 | 8312.1 | 8386.3 | 8417.4 | 8869.9 | 8980.0 |
| 50° | 14041.0 | 14017.1 | 13670.0 | 12674.0 | 11060.5 | 9487.6 | 9513.9 | 9446.9 | 10124.4 | 10397.3 |
| 52.5° | 15003.4 | 15084.8 | 14828.7 | 14208.6 | 13097.8 | 11026.9 | 11022.2 | 10706.1 | 11620.7 | 12032.4 |
| 55° | 15872.5 | 15901.2 | 15927.5 | 15774.3 | 15147.1 | 12779.4 | 12733.9 | 12216.8 | 13356.3 | 13782.5 |
| 57.5° | 16688.8 | 16700.8 | 16935.4 | 17249.0 | 17280.2 | 14661.1 | 14577.3 | 13957.2 | 15252.4 | 15556.5 |
| 60° | 17237.1 | 17292.1 | 17787.7 | 18659.1 | 19039.8 | 16602.7 | 16557.2 | 15925.1 | 17182.0 | 17323.3 |
| 62.5° | 16447.0 | 16782.2 | 18031.9 | 19760.4 | 20701.2 | 18754.9 | 18733.3 | 18139.6 | 19212.2 | 19097.2 |
| 65° | 13313.2 | 13880.6 | 16078.4 | 20504.9 | 22331.6 | 21158.5 | 21189.6 | 20557.6 | 21297.4 | 20923.9 |
| 67.5° | 9312.8 | 9911.3 | 12511.2 | 20564.8 | 24153.5 | 23981.1 | 24160.6 | 23169.5 | 23511.8 | 22673.9 |
| 70° | 6440.0 | 6748.8 | 8441.4 | 19276.8 | 25573.1 | 27869.0 | 27864.2 | 26377.5 | 25714.4 | 23471.2 |
| 72.5° | 4330.8 | 4491.2 | 5482.3 | 15293.1 | 24529.3 | 30179.2 | 30040.4 | 28829.0 | 26456.5 | 21950.9 |
| 75° | 1826.7 | 1944.0 | 2537.7 | 8594.6 | 19406.1 | 27610.4 | 27234.6 | 25477.4 | 23507.1 | 17285.0 |
| 77.5° | 579.4 | 629.6 | 1000.7 | 3076.3 | 10689.4 | 20753.9 | 20356.5 | 15910.8 | 15755.2 | 8671.2 |
| 80° | 275.3 | 320.8 | 562.6 | 1235.3 | 4206.3 | 11287.9 | 11232.8 | 7218.0 | 6777.5 | 2341.4 |
| 82.5° | 119.7 | 141.2 | 311.2 | 660.8 | 1881.7 | 4026.8 | 4108.2 | 2456.3 | 2032.5 | 888.2 |
| 85° | 38.3 | 50.3 | 143.6 | 304.0 | 794.8 | 1000.7 | 988.7 | 584.1 | 818.8 | 483.6 |
| 87.5° | 0.0 | 0.0 | 47.9 | 69.4 | 81.4 | 57.5 | 64.6 | 50.3 | 227.4 | 134.1 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3842.4 | 0° | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 | 3842.4 |
| 3890.3 | 2.5° | 3861.6 | 3823.3 | 3756.2 | 3694.0 | 3638.9 | 3583.9 | 3550.4 | 3502.5 | 3497.7 | 3497.7 |
| 3952.6 | 5° | 3887.9 | 3825.7 | 3706.0 | 3579.1 | 3433.1 | 3294.2 | 3155.3 | 3021.3 | 2978.2 | 2947.1 |
| 4053.1 | 7.5° | 3964.5 | 3866.4 | 3677.2 | 3435.4 | 3157.7 | 2853.7 | 2640.6 | 2410.8 | 2322.2 | 2274.3 |
| 4187.2 | 10° | 4074.7 | 3940.6 | 3653.3 | 3229.6 | 2779.5 | 2365.3 | 2061.3 | 1812.3 | 1716.5 | 1675.8 |
| 4333.2 | 12.5° | 4196.7 | 4031.6 | 3610.2 | 2973.4 | 2365.3 | 1869.7 | 1572.9 | 1458.0 | 1443.6 | 1443.6 |
| 4508.0 | 15° | 4342.8 | 4141.7 | 3536.0 | 2671.7 | 1932.0 | 1479.5 | 1374.2 | 1379.0 | 1393.3 | 1402.9 |
| 4678.0 | 17.5° | 4493.6 | 4259.0 | 3418.7 | 2334.2 | 1548.9 | 1331.1 | 1333.5 | 1340.7 | 1352.6 | 1362.2 |
| 4862.3 | 20° | 4656.4 | 4376.3 | 3263.1 | 1975.1 | 1328.7 | 1288.0 | 1295.2 | 1302.4 | 1311.9 | 1316.7 |
| 5034.7 | 22.5° | 4831.2 | 4486.4 | 3078.7 | 1623.2 | 1254.5 | 1252.1 | 1254.5 | 1261.7 | 1273.6 | 1273.6 |
| 5235.8 | 25° | 5017.9 | 4608.5 | 2868.1 | 1367.0 | 1216.2 | 1216.2 | 1221.0 | 1225.7 | 1235.3 | 1235.3 |
| 5429.7 | 27.5° | 5209.4 | 4721.0 | 2645.4 | 1232.9 | 1182.7 | 1180.3 | 1180.3 | 1187.4 | 1192.2 | 1194.6 |
| 5621.2 | 30° | 5420.1 | 4852.7 | 2422.8 | 1204.2 | 1156.3 | 1144.4 | 1137.2 | 1142.0 | 1146.7 | 1149.1 |
| 5822.3 | 32.5° | 5635.6 | 4979.6 | 2224.1 | 1216.2 | 1130.0 | 1108.4 | 1084.5 | 1079.7 | 1079.7 | 1089.3 |
| 6030.6 | 35° | 5875.0 | 5118.5 | 2070.8 | 1256.9 | 1115.6 | 1055.8 | 1017.5 | 995.9 | 998.3 | 1012.7 |
| 6279.6 | 37.5° | 6162.3 | 5286.0 | 1958.3 | 1292.8 | 1106.0 | 995.9 | 933.7 | 907.3 | 890.6 | 907.3 |
| 6621.9 | 40° | 6538.1 | 5532.6 | 1876.9 | 1321.5 | 1094.1 | 926.5 | 842.7 | 799.6 | 768.5 | 778.1 |
| 7153.4 | 42.5° | 7091.1 | 5920.5 | 1845.8 | 1323.9 | 1067.7 | 845.1 | 749.3 | 691.9 | 646.4 | 648.8 |
| 7953.0 | 45° | 7866.8 | 6533.3 | 2006.2 | 1292.8 | 1010.3 | 756.5 | 651.2 | 574.6 | 545.8 | 538.7 |
| 9147.6 | 47.5° | 8929.8 | 7426.3 | 2377.3 | 1228.1 | 926.5 | 670.3 | 555.4 | 490.8 | 469.2 | 457.3 |
| 10715.7 | 50° | 10354.2 | 8573.1 | 2789.1 | 1156.3 | 842.7 | 588.9 | 476.4 | 435.7 | 421.4 | 409.4 |
| 12575.9 | 52.5° | 12006.1 | 9736.6 | 3126.6 | 1084.5 | 758.9 | 517.1 | 426.1 | 402.2 | 390.2 | 380.7 |
| 14371.4 | 55° | 13521.5 | 10538.6 | 3107.5 | 1007.9 | 677.5 | 459.7 | 390.2 | 375.9 | 361.5 | 351.9 |
| 15918.0 | 57.5° | 14464.8 | 10651.1 | 2561.6 | 924.1 | 584.1 | 414.2 | 356.7 | 347.1 | 330.4 | 318.4 |
| 17256.2 | 60° | 14898.1 | 10009.5 | 1795.5 | 814.0 | 490.8 | 371.1 | 320.8 | 316.0 | 294.5 | 277.7 |
| 18522.7 | 62.5° | 14977.1 | 8817.2 | 1197.0 | 677.5 | 409.4 | 330.4 | 284.9 | 277.7 | 249.0 | 220.3 |
| 19552.1 | 65° | 14656.3 | 7112.7 | 828.3 | 529.1 | 349.5 | 287.3 | 244.2 | 229.8 | 198.7 | 170.0 |
| 19796.3 | 67.5° | 13641.2 | 4994.0 | 577.0 | 380.7 | 296.9 | 227.4 | 193.9 | 189.1 | 165.2 | 141.2 |
| 18551.4 | 70° | 11781.1 | 2846.5 | 385.4 | 284.9 | 234.6 | 155.6 | 153.2 | 158.0 | 134.1 | 114.9 |
| 15156.7 | 72.5° | 9032.7 | 1302.4 | 239.4 | 208.3 | 160.4 | 105.3 | 122.1 | 124.5 | 102.9 | 86.2 |
| 9456.5 | 75° | 5317.2 | 557.8 | 150.8 | 134.1 | 81.4 | 69.4 | 88.6 | 91.0 | 69.4 | 55.1 |
| 3457.0 | 77.5° | 1809.9 | 210.7 | 95.8 | 79.0 | 40.7 | 38.3 | 57.5 | 57.5 | 38.3 | 21.5 |
| 694.3 | 80° | 411.8 | 79.0 | 47.9 | 31.1 | 19.2 | 16.8 | 19.2 | 16.8 | 9.6 | 2.4 |
| 213.1 | 82.5° | 117.3 | 31.1 | 19.2 | 12.0 | 7.2 | 7.2 | 2.4 | 0.0 | 0.0 | 0.0 |
| 74.2 | 85° | 33.5 | 14.4 | 4.8 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.3 | 87.5° | 14.4 | 2.4 | 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 |

(END O

| 180° |
|--------|
| 3842.4 |
| 3509.7 |
| 2961.4 |
| 2281.5 |
| 1675.8 |
| 1443.6 |
| 1402.9 |
| 1362.2 |
| 1319.1 |
| 1278.4 |
| 1237.7 |
| 1197.0 |
| 1153.9 |
| 1096.5 |
| 1019.9 |
| 902.6 |
| 773.3 |
| 639.2 |
| 529.1 |
| 450.1 |
| 407.0 |
| 378.3 |
| 347.1 |
| 316.0 |
| 272.9 |
| 205.9 |
| 160.4 |
| 134.1 |
| 105.3 |
| 76.6 |
| 47.9 |
| 16.8 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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