

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: P940639

Luminaire Tested: **GLAN-SB3D-750-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940639
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-SB3D-750-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31926 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

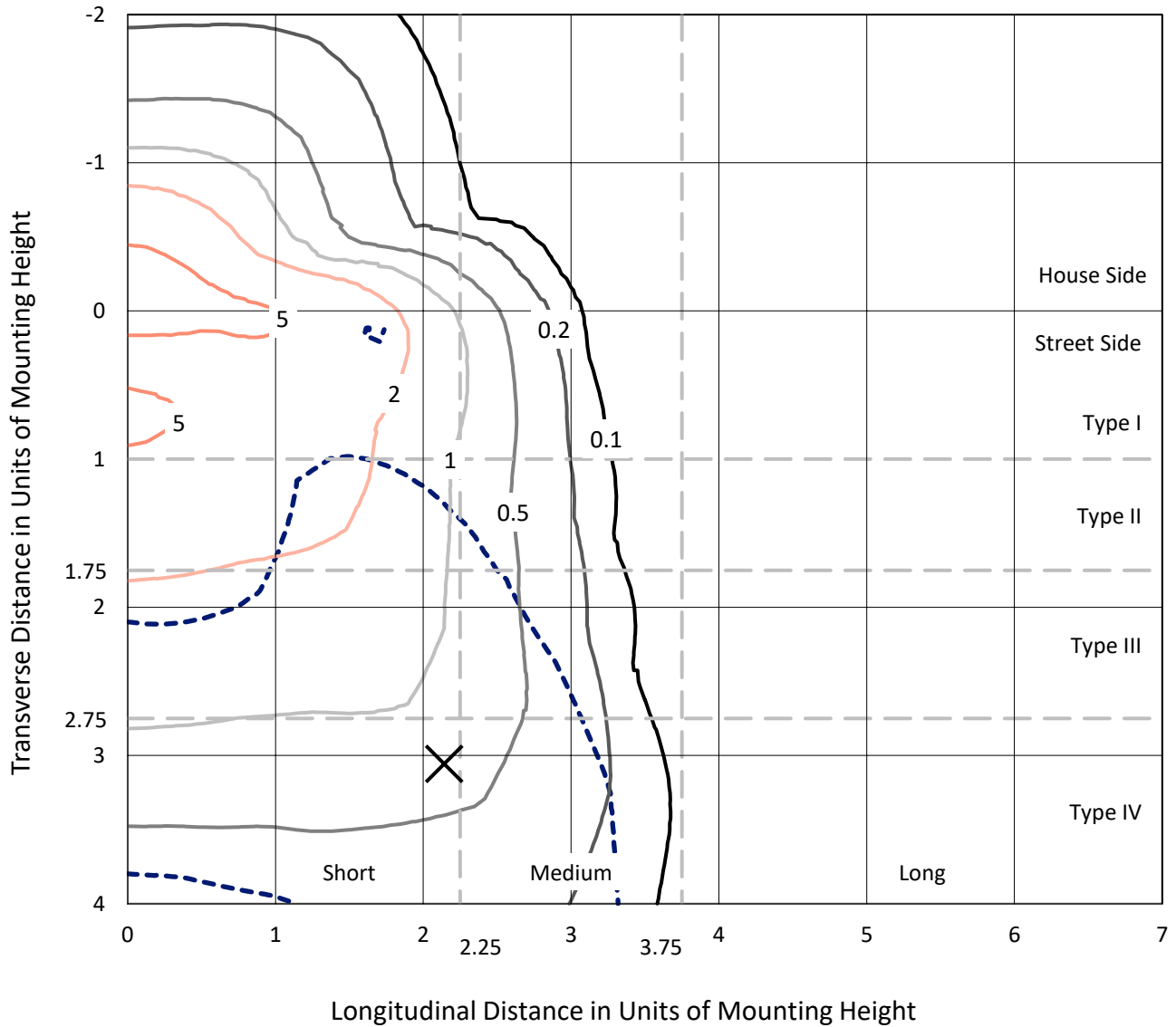
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

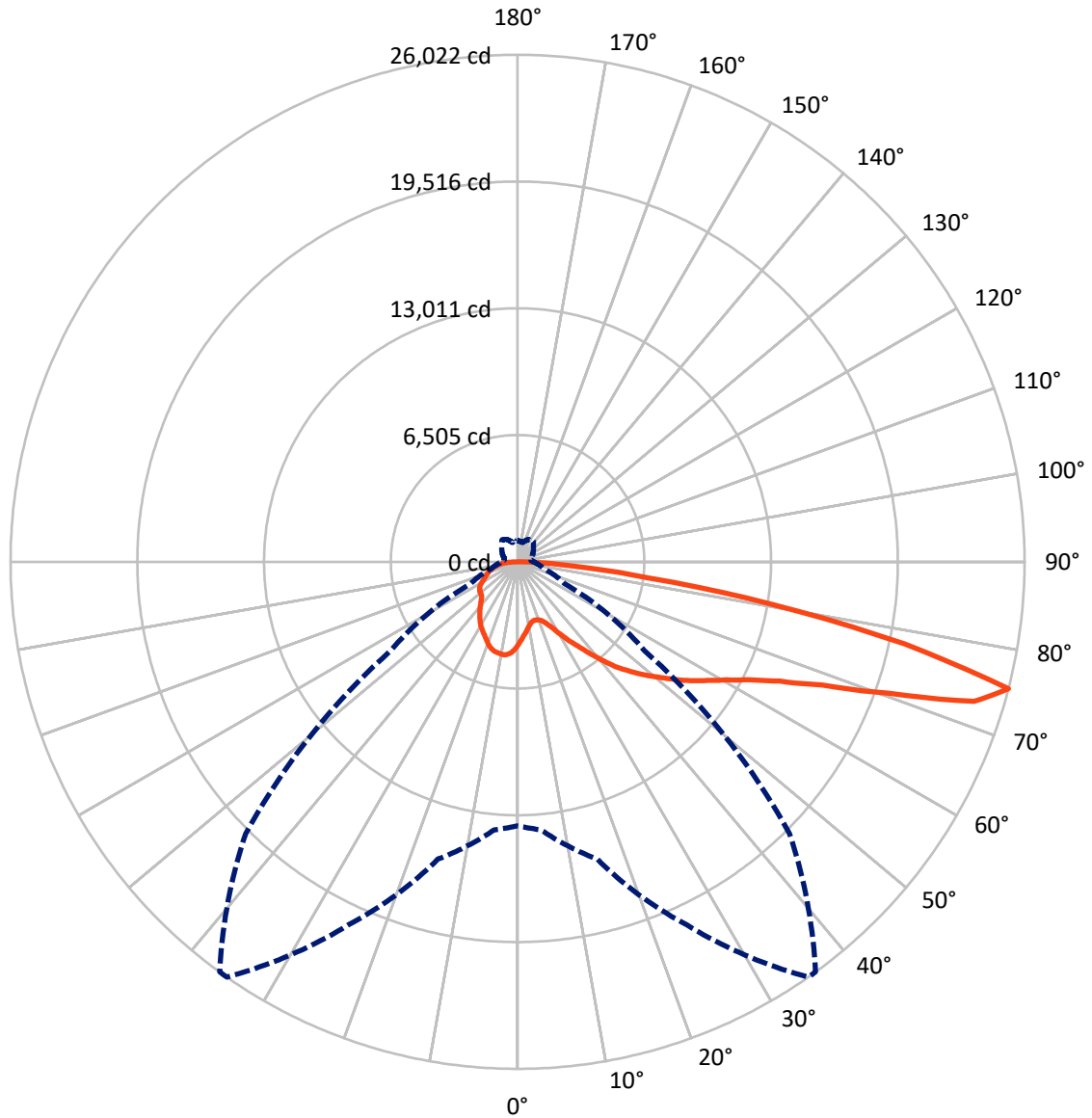
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GLAN-SB3D-750-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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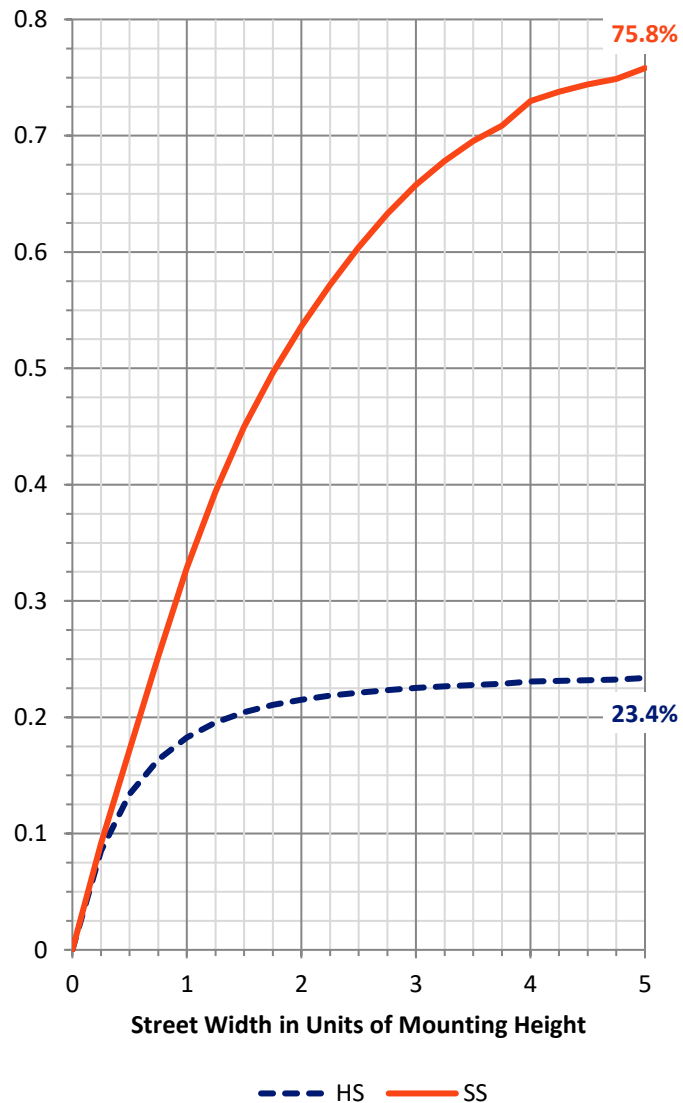
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7597.6 | 0.0 | 7597.6 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 24328.4 | 0.0 | 24328.4 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 31926.0 | 0.0 | 31926.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 402.8 | 1.3 |
| 10°-20° | 1161.9 | 3.6 |
| 20°-30° | 1951.1 | 6.1 |
| 30°-40° | 3032.2 | 9.5 |
| 40°-50° | 4500.6 | 14.1 |
| 50°-60° | 6213.4 | 19.5 |
| 60°-70° | 7538.2 | 23.6 |
| 70°-80° | 6229.8 | 19.5 |
| 80°-90° | 896.0 | 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° | 31926.0 | 100.0 |
| 0°-180° | 31926.0 | 100.0 |

Coefficient of Utilization

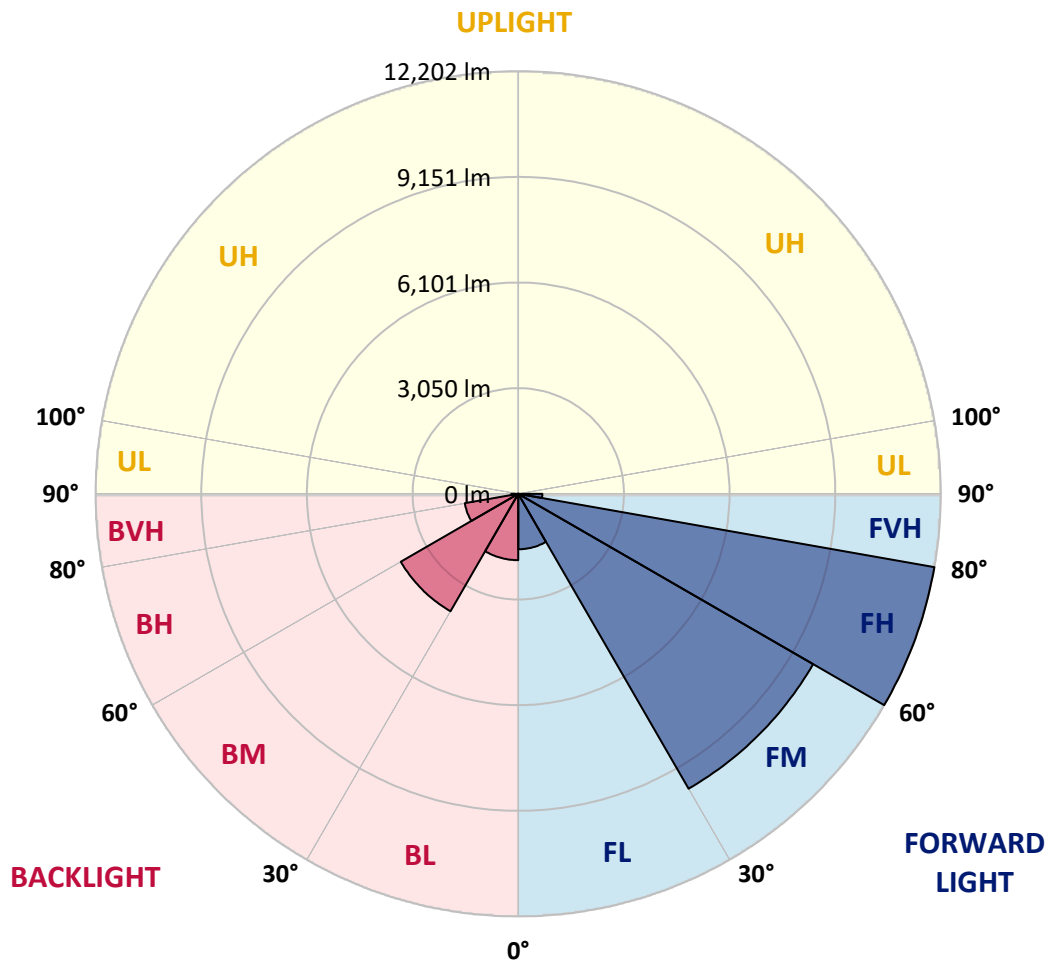


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1601.0 | 5.0 | | | |
| FM (30°-60°) | 9831.5 | 30.8 | | | |
| FH (60°-80°) | 12201.6 | 38.2 | | | G5 |
| FVH (80°-90°) | 694.3 | 2.2 | | | G4/750 |
| BL (0°-30°) | 1914.7 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 3914.7 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 1566.4 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 201.8 | 0.6 | | | G2/225 |
| 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° | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 |
| 2.5° | 3923.0 | 3947.1 | 3957.5 | 3952.3 | 3978.2 | 3974.8 | 4011.0 | 4055.9 | 4118.0 | 4178.4 |
| 5° | 3620.9 | 3646.8 | 3669.3 | 3690.0 | 3740.0 | 3755.6 | 3812.5 | 3898.8 | 4012.7 | 4128.4 |
| 7.5° | 3339.6 | 3362.1 | 3396.6 | 3434.6 | 3519.1 | 3534.7 | 3629.6 | 3764.2 | 3923.0 | 4092.1 |
| 10° | 3110.1 | 3132.5 | 3168.8 | 3211.9 | 3317.2 | 3336.2 | 3457.0 | 3636.5 | 3843.6 | 4057.6 |
| 12.5° | 3011.7 | 3018.6 | 3039.3 | 3082.5 | 3173.9 | 3186.0 | 3318.9 | 3524.3 | 3765.9 | 4031.7 |
| 15° | 3006.5 | 3020.3 | 3022.1 | 3044.5 | 3120.4 | 3125.6 | 3248.2 | 3451.8 | 3717.6 | 4026.5 |
| 17.5° | 3058.3 | 3068.7 | 3053.1 | 3066.9 | 3130.8 | 3139.4 | 3236.1 | 3417.3 | 3702.1 | 4049.0 |
| 20° | 3196.4 | 3205.0 | 3158.4 | 3139.4 | 3186.0 | 3192.9 | 3287.8 | 3439.7 | 3717.6 | 4095.6 |
| 22.5° | 3489.8 | 3495.0 | 3381.0 | 3303.4 | 3306.8 | 3310.3 | 3393.1 | 3531.2 | 3778.0 | 4180.1 |
| 25° | 3947.1 | 3943.7 | 3762.5 | 3612.3 | 3526.0 | 3507.0 | 3562.3 | 3679.6 | 3879.8 | 4292.3 |
| 27.5° | 4482.2 | 4456.3 | 4275.1 | 4050.7 | 3862.6 | 3835.0 | 3822.9 | 3872.9 | 4024.8 | 4440.8 |
| 30° | 5086.2 | 5062.1 | 4867.1 | 4573.6 | 4313.0 | 4268.2 | 4154.3 | 4128.4 | 4240.5 | 4642.7 |
| 32.5° | 5749.0 | 5733.5 | 5500.5 | 5144.9 | 4796.3 | 4744.5 | 4552.9 | 4483.9 | 4571.9 | 4948.2 |
| 35° | 6304.7 | 6290.9 | 6097.6 | 5731.7 | 5305.4 | 5241.6 | 5046.5 | 4968.9 | 5013.8 | 5339.9 |
| 37.5° | 6807.0 | 6800.1 | 6634.4 | 6346.2 | 5906.0 | 5828.4 | 5609.2 | 5583.3 | 5574.7 | 5856.0 |
| 40° | 7273.0 | 7255.7 | 7083.1 | 6931.2 | 6605.0 | 6534.3 | 6341.0 | 6318.5 | 6253.0 | 6491.1 |
| 42.5° | 7789.0 | 7744.1 | 7493.9 | 7423.1 | 7335.1 | 7276.4 | 7160.8 | 7164.2 | 7019.3 | 7207.4 |
| 45° | 8210.1 | 8184.2 | 7927.1 | 7885.7 | 7980.6 | 7956.4 | 8056.5 | 8082.4 | 7801.1 | 7958.1 |
| 47.5° | 8662.3 | 8638.2 | 8420.7 | 8391.3 | 8648.5 | 8655.4 | 9009.2 | 9017.9 | 8563.9 | 8738.3 |
| 50° | 9219.8 | 9185.3 | 8969.5 | 9005.8 | 9294.0 | 9319.9 | 9967.1 | 9908.4 | 9266.4 | 9530.4 |
| 52.5° | 9587.4 | 9608.1 | 9561.5 | 9620.2 | 10013.7 | 10037.9 | 10909.4 | 10759.3 | 9961.9 | 10312.3 |
| 55° | 9858.4 | 9899.8 | 10044.8 | 10179.4 | 10773.1 | 10797.3 | 11798.3 | 11568.7 | 10538.4 | 11037.2 |
| 57.5° | 10207.0 | 10148.3 | 10419.3 | 10681.6 | 11494.5 | 11558.4 | 12663.0 | 12348.8 | 11049.2 | 11661.9 |
| 60° | 10707.5 | 10666.1 | 10876.7 | 11265.0 | 12302.2 | 12404.1 | 13577.7 | 13051.3 | 11423.8 | 12157.3 |
| 62.5° | 11722.3 | 11618.8 | 11651.6 | 11995.0 | 13320.5 | 13455.2 | 14609.8 | 13664.0 | 11610.2 | 12350.6 |
| 65° | 13239.4 | 13061.6 | 12896.0 | 13134.1 | 14754.8 | 14887.7 | 15774.8 | 14145.5 | 11541.1 | 11976.1 |
| 67.5° | 15150.0 | 14974.0 | 14770.3 | 14994.7 | 16867.3 | 16972.5 | 17212.4 | 14416.5 | 10997.5 | 10533.2 |
| 70° | 16725.7 | 16660.2 | 16903.5 | 17826.9 | 20241.4 | 20244.9 | 19055.7 | 14192.1 | 9508.0 | 7468.0 |
| 72.5° | 16516.9 | 16477.2 | 17759.6 | 20614.2 | 24494.0 | 24402.6 | 20800.6 | 12493.8 | 6404.8 | 3369.0 |
| 75° | 13550.1 | 13807.2 | 15793.8 | 20564.2 | 26021.5 | 26009.4 | 19732.3 | 7942.6 | 2649.3 | 1396.3 |
| 77.5° | 7266.1 | 7673.4 | 10253.6 | 15182.8 | 20313.9 | 20619.4 | 13872.8 | 2778.7 | 1137.4 | 894.0 |
| 80° | 2369.7 | 2725.2 | 4086.9 | 7730.3 | 13199.7 | 13142.8 | 5945.7 | 1090.8 | 778.4 | 633.4 |
| 82.5° | 1006.2 | 1047.6 | 1826.0 | 3650.3 | 6774.2 | 6668.9 | 1893.3 | 626.5 | 547.1 | 433.2 |
| 85° | 393.5 | 440.1 | 806.0 | 1687.9 | 2934.0 | 2870.2 | 683.5 | 310.7 | 350.4 | 283.0 |
| 87.5° | 129.4 | 157.1 | 288.2 | 578.2 | 913.0 | 880.2 | 167.4 | 107.0 | 151.9 | 129.4 |
| 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° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4254.4 | 0° | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 | 4254.4 |
| 4266.4 | 2.5° | 4290.6 | 4318.2 | 4351.0 | 4399.3 | 4440.8 | 4475.3 | 4511.5 | 4534.0 | 4542.6 | 4568.5 |
| 4273.3 | 5° | 4321.7 | 4382.1 | 4463.2 | 4542.6 | 4620.2 | 4666.8 | 4708.3 | 4729.0 | 4748.0 | 4761.8 |
| 4292.3 | 7.5° | 4373.4 | 4451.1 | 4578.8 | 4682.4 | 4748.0 | 4785.9 | 4813.5 | 4806.6 | 4813.5 | 4817.0 |
| 4313.0 | 10° | 4418.3 | 4527.0 | 4678.9 | 4777.3 | 4827.4 | 4829.1 | 4822.2 | 4798.0 | 4785.9 | 4787.7 |
| 4344.1 | 12.5° | 4471.8 | 4592.6 | 4756.6 | 4839.4 | 4853.2 | 4815.3 | 4785.9 | 4744.5 | 4729.0 | 4722.1 |
| 4390.7 | 15° | 4544.3 | 4682.4 | 4841.2 | 4872.2 | 4837.7 | 4789.4 | 4739.3 | 4672.0 | 4637.5 | 4609.9 |
| 4470.1 | 17.5° | 4632.3 | 4784.2 | 4906.7 | 4884.3 | 4810.1 | 4730.7 | 4649.6 | 4547.8 | 4477.0 | 4447.7 |
| 4578.8 | 20° | 4754.9 | 4891.2 | 4956.8 | 4858.4 | 4746.2 | 4625.4 | 4487.4 | 4363.1 | 4297.5 | 4268.2 |
| 4716.9 | 22.5° | 4903.3 | 5034.5 | 5005.1 | 4813.5 | 4654.8 | 4461.5 | 4288.9 | 4197.4 | 4164.6 | 4143.9 |
| 4894.7 | 25° | 5081.1 | 5193.2 | 5039.6 | 4748.0 | 4504.6 | 4244.0 | 4111.1 | 4081.8 | 4066.2 | 4050.7 |
| 5112.1 | 27.5° | 5312.3 | 5372.7 | 5065.5 | 4651.3 | 4269.9 | 4012.7 | 3964.4 | 3969.6 | 3964.4 | 3938.5 |
| 5414.2 | 30° | 5617.8 | 5605.7 | 5089.7 | 4494.3 | 4000.6 | 3803.9 | 3807.3 | 3829.8 | 3833.2 | 3816.0 |
| 5835.3 | 32.5° | 6020.0 | 5897.4 | 5101.8 | 4290.6 | 3743.5 | 3620.9 | 3624.4 | 3648.6 | 3665.8 | 3636.5 |
| 6385.8 | 35° | 6506.7 | 6237.4 | 5082.8 | 4035.2 | 3545.0 | 3446.6 | 3420.7 | 3427.6 | 3432.8 | 3405.2 |
| 7053.8 | 37.5° | 7074.5 | 6618.8 | 4998.2 | 3752.1 | 3381.0 | 3275.8 | 3220.5 | 3173.9 | 3146.3 | 3120.4 |
| 7809.7 | 40° | 7697.5 | 7034.8 | 4842.9 | 3476.0 | 3198.1 | 3094.5 | 3011.7 | 2923.7 | 2830.5 | 2796.0 |
| 8610.5 | 42.5° | 8349.9 | 7462.8 | 4654.8 | 3211.9 | 2987.5 | 2903.0 | 2815.0 | 2687.2 | 2547.4 | 2476.7 |
| 9442.4 | 45° | 9026.5 | 7901.2 | 4470.1 | 2951.3 | 2771.8 | 2735.6 | 2633.7 | 2480.1 | 2328.2 | 2238.5 |
| 10276.0 | 47.5° | 9689.2 | 8315.4 | 4199.1 | 2689.0 | 2569.9 | 2609.6 | 2530.2 | 2388.7 | 2219.5 | 2078.0 |
| 11102.7 | 50° | 10322.6 | 8703.7 | 3755.6 | 2423.2 | 2405.9 | 2571.6 | 2495.7 | 2292.0 | 2098.7 | 1917.5 |
| 11913.9 | 52.5° | 10950.9 | 9017.9 | 3187.7 | 2181.5 | 2317.9 | 2561.2 | 2450.8 | 2226.4 | 1990.0 | 1800.1 |
| 12676.8 | 55° | 11484.2 | 9180.1 | 2640.6 | 1974.4 | 2190.2 | 2473.2 | 2397.3 | 2148.8 | 1836.4 | 1634.4 |
| 13199.7 | 57.5° | 11787.9 | 9048.9 | 2185.0 | 1770.8 | 2014.1 | 2328.2 | 2305.8 | 1983.1 | 1653.4 | 1498.1 |
| 13301.5 | 60° | 11656.8 | 8517.3 | 1812.2 | 1593.0 | 1846.7 | 2171.2 | 2147.0 | 1819.1 | 1513.6 | 1366.9 |
| 12756.2 | 62.5° | 10933.6 | 7504.2 | 1517.1 | 1437.7 | 1694.8 | 2010.7 | 1988.2 | 1693.1 | 1406.6 | 1265.1 |
| 11308.1 | 65° | 9476.9 | 6104.5 | 1287.5 | 1308.2 | 1541.2 | 1817.4 | 1850.2 | 1587.8 | 1322.0 | 1184.0 |
| 8748.6 | 67.5° | 7228.1 | 4421.8 | 1108.0 | 1196.1 | 1391.1 | 1627.5 | 1722.5 | 1511.9 | 1251.3 | 1120.1 |
| 5062.1 | 70° | 4119.7 | 2511.2 | 956.2 | 1087.3 | 1258.2 | 1451.5 | 1624.1 | 1451.5 | 1175.3 | 1066.6 |
| 1896.8 | 72.5° | 1561.9 | 1152.9 | 826.7 | 978.6 | 1130.5 | 1303.1 | 1515.3 | 1356.6 | 1087.3 | 1006.2 |
| 980.3 | 75° | 833.6 | 702.4 | 695.5 | 850.9 | 983.8 | 1158.1 | 1379.0 | 1263.4 | 1021.7 | 1063.2 |
| 678.3 | 77.5° | 567.8 | 497.1 | 581.6 | 728.3 | 823.3 | 997.6 | 1234.0 | 1121.8 | 885.4 | 881.9 |
| 469.4 | 80° | 393.5 | 352.1 | 472.9 | 586.8 | 636.9 | 838.8 | 1077.0 | 963.1 | 721.4 | 673.1 |
| 290.0 | 82.5° | 236.4 | 229.5 | 353.8 | 438.4 | 450.5 | 647.2 | 892.3 | 807.7 | 590.3 | 514.3 |
| 172.6 | 85° | 129.4 | 136.3 | 226.1 | 257.2 | 262.3 | 452.2 | 699.0 | 624.8 | 453.9 | 381.4 |
| 62.1 | 87.5° | 36.2 | 46.6 | 82.8 | 101.8 | 126.0 | 234.7 | 415.9 | 371.1 | 227.8 | 158.8 |
| 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° |
|--------|
| 4254.4 |
| 4566.7 |
| 4765.2 |
| 4822.2 |
| 4791.1 |
| 4718.6 |
| 4618.5 |
| 4449.4 |
| 4264.7 |
| 4147.3 |
| 4050.7 |
| 3943.7 |
| 3824.6 |
| 3650.3 |
| 3424.2 |
| 3137.7 |
| 2811.5 |
| 2485.3 |
| 2231.6 |
| 2062.5 |
| 1901.9 |
| 1779.4 |
| 1617.2 |
| 1477.4 |
| 1346.2 |
| 1242.7 |
| 1161.5 |
| 1099.4 |
| 1052.8 |
| 992.4 |
| 1097.7 |
| 812.9 |
| 643.8 |
| 517.8 |
| 384.9 |
| 158.8 |
| 0.0 |

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