

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: P940608

Luminaire Tested: **GLAN-SB3D-730-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23117 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

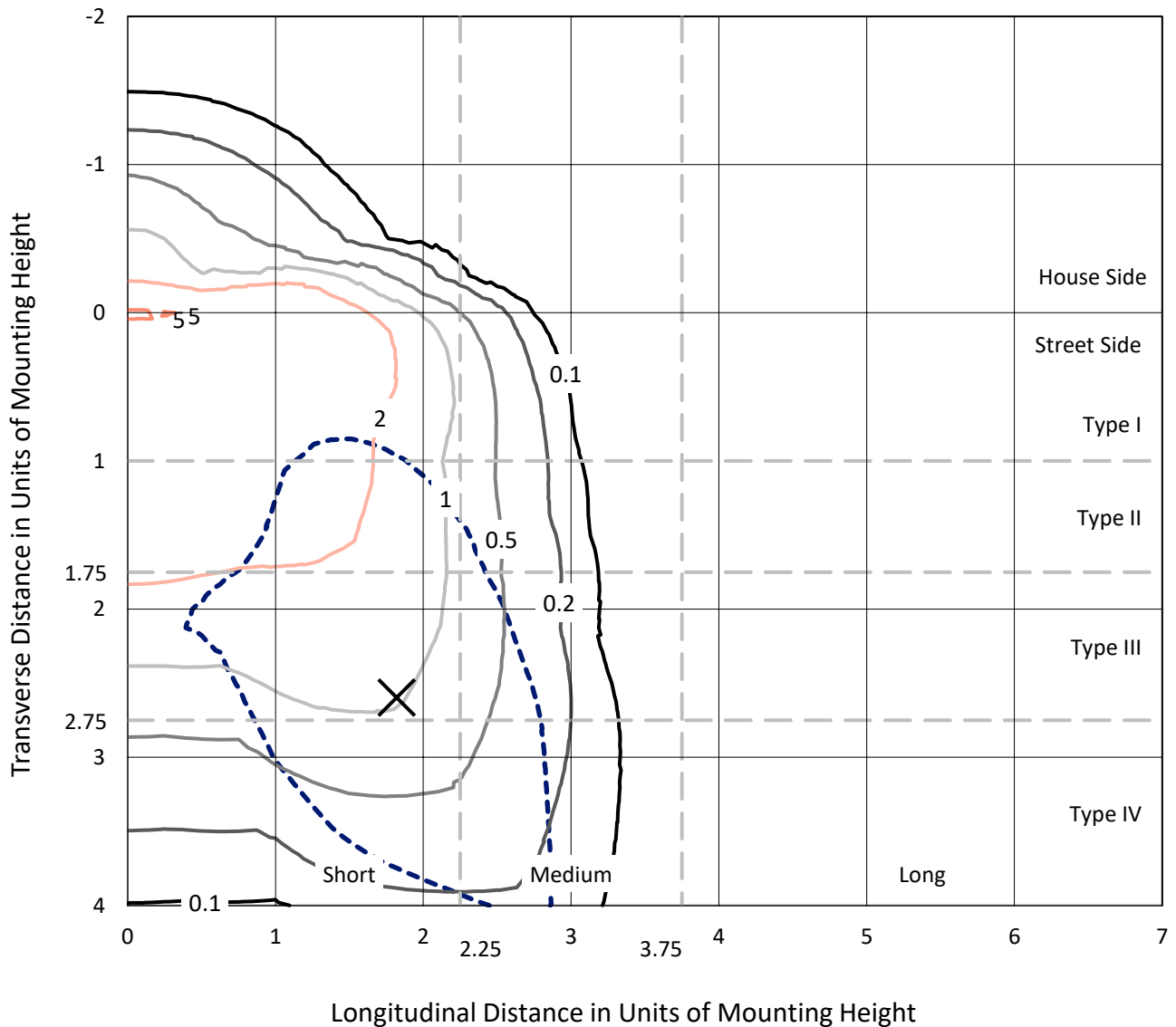
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

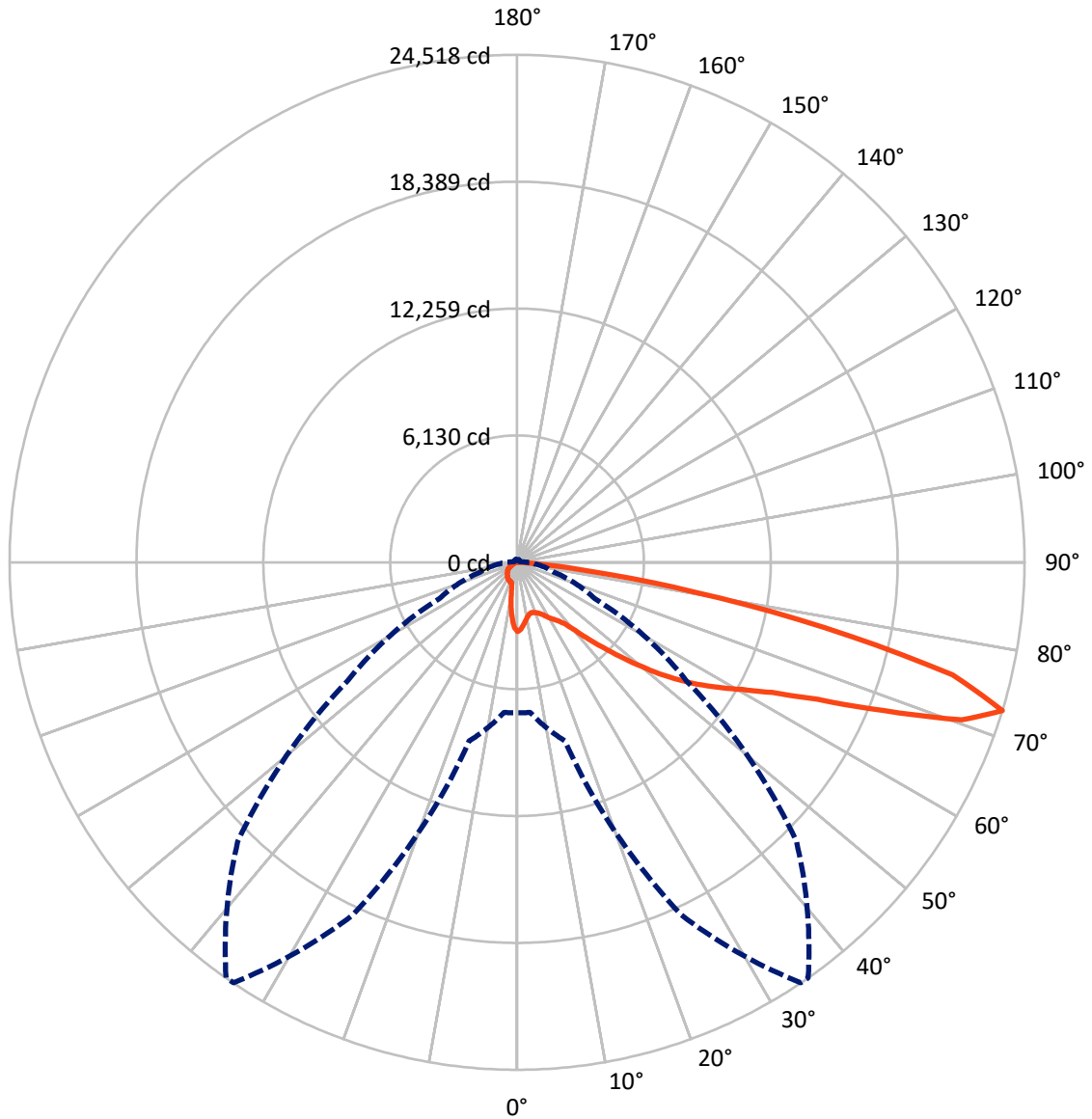
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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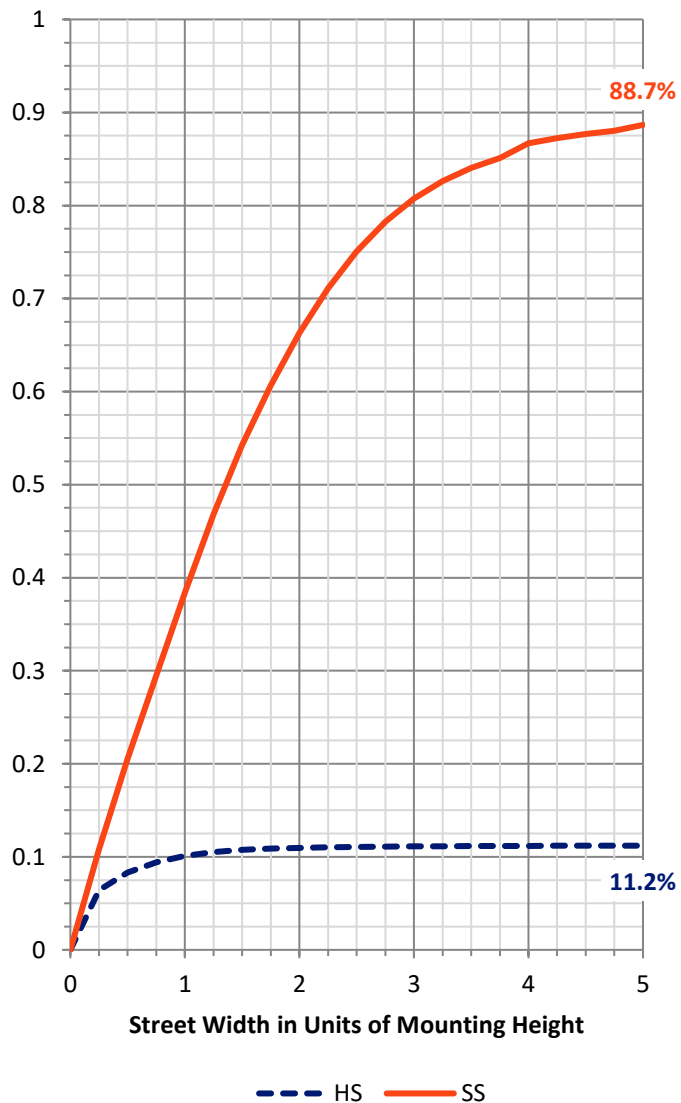
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2601.7 | 0.0 | 2601.7 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 20515.3 | 0.0 | 20515.3 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 23117.0 | 0.0 | 23117.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 275.3 | 1.2 |
| 10°-20° | 644.1 | 2.8 |
| 20°-30° | 1046.3 | 4.5 |
| 30°-40° | 1745.7 | 7.6 |
| 40°-50° | 3302.9 | 14.3 |
| 50°-60° | 5248.3 | 22.7 |
| 60°-70° | 6492.5 | 28.1 |
| 70°-80° | 4035.8 | 17.5 |
| 80°-90° | 326.2 | 1.4 |
| 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° | 23117.0 | 100.0 |
| 0°-180° | 23117.0 | 100.0 |

Coefficient of Utilization



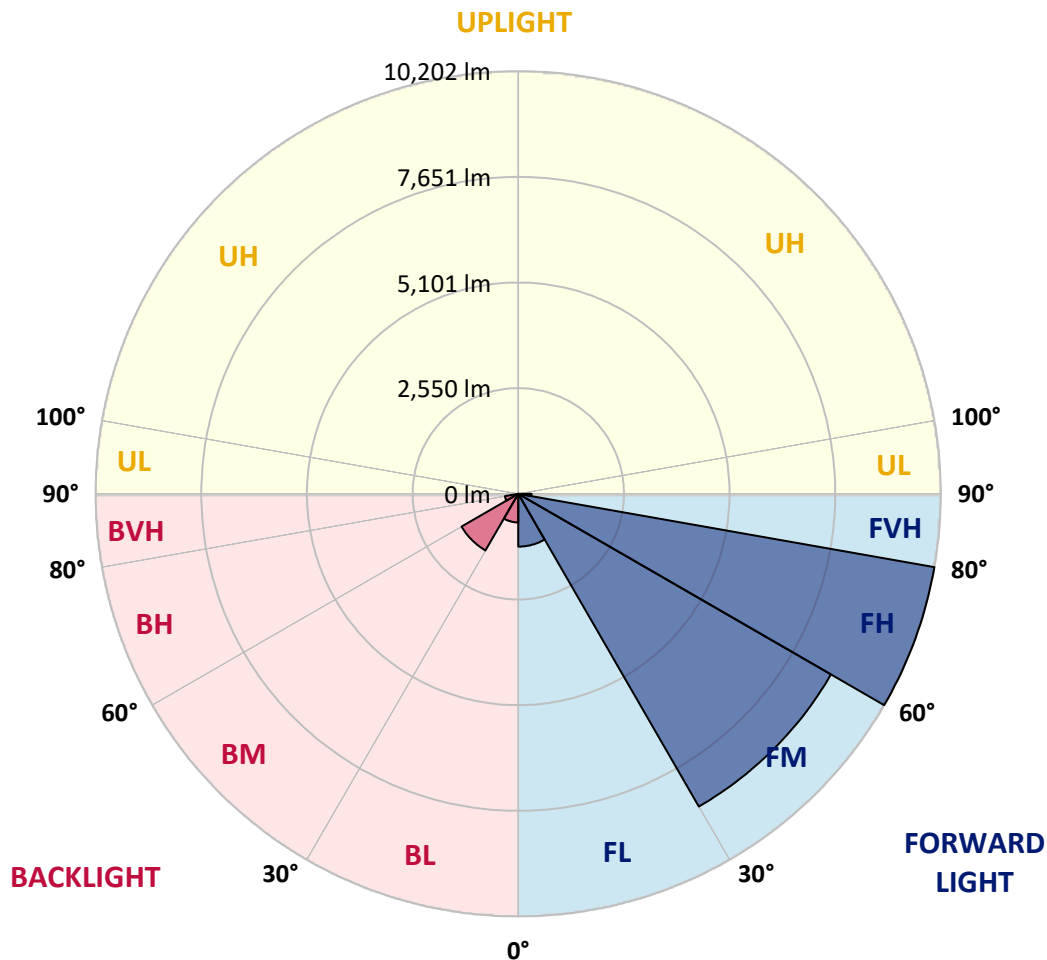
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1274.3 | 5.5 | | | |
| FM (30°-60°) | 8717.4 | 37.7 | | | |
| FH (60°-80°) | 10201.8 | 44.1 | | | G4/12000 |
| FVH (80°-90°) | 321.7 | 1.4 | | | G3/500 |
| BL (0°-30°) | 691.3 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 1579.5 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 326.5 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.4 | 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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 |
| 2.5° | 3201.4 | 3228.5 | 3233.6 | 3242.0 | 3242.0 | 3252.2 | 3269.1 | 3292.8 | 3331.8 | 3352.1 |
| 5° | 2950.7 | 2971.0 | 2996.4 | 3016.7 | 3055.7 | 3060.8 | 3126.8 | 3191.2 | 3281.0 | 3348.7 |
| 7.5° | 2698.3 | 2722.0 | 2755.9 | 2805.0 | 2855.8 | 2871.1 | 2971.0 | 3079.4 | 3221.7 | 3348.7 |
| 10° | 2520.4 | 2522.1 | 2552.6 | 2601.7 | 2683.1 | 2701.7 | 2823.6 | 2977.8 | 3155.6 | 3328.4 |
| 12.5° | 2420.5 | 2432.4 | 2445.9 | 2483.2 | 2561.1 | 2573.0 | 2703.4 | 2884.6 | 3089.6 | 3316.6 |
| 15° | 2420.5 | 2429.0 | 2437.4 | 2456.1 | 2518.7 | 2528.9 | 2644.1 | 2825.3 | 3055.7 | 3321.6 |
| 17.5° | 2445.9 | 2459.5 | 2452.7 | 2474.7 | 2540.8 | 2547.5 | 2649.2 | 2808.4 | 3054.0 | 3353.8 |
| 20° | 2506.9 | 2517.1 | 2503.5 | 2517.1 | 2583.1 | 2596.7 | 2701.7 | 2840.6 | 3082.8 | 3409.7 |
| 22.5° | 2603.4 | 2608.5 | 2576.3 | 2586.5 | 2654.3 | 2671.2 | 2793.2 | 2932.0 | 3152.2 | 3499.5 |
| 25° | 2725.4 | 2735.6 | 2686.4 | 2698.3 | 2762.7 | 2783.0 | 2923.6 | 3069.2 | 3262.3 | 3623.1 |
| 27.5° | 2866.0 | 2871.1 | 2828.7 | 2827.0 | 2910.0 | 2938.8 | 3081.1 | 3238.6 | 3409.7 | 3779.0 |
| 30° | 3026.9 | 3042.1 | 3001.5 | 2994.7 | 3099.7 | 3123.5 | 3264.0 | 3447.0 | 3626.5 | 4012.7 |
| 32.5° | 3153.9 | 3165.8 | 3142.1 | 3159.0 | 3265.7 | 3284.4 | 3485.9 | 3741.7 | 3967.0 | 4344.7 |
| 35° | 3336.9 | 3343.7 | 3289.4 | 3319.9 | 3441.9 | 3489.3 | 3789.1 | 4155.0 | 4395.5 | 4761.4 |
| 37.5° | 3999.2 | 3999.2 | 3768.8 | 3618.1 | 3734.9 | 3777.3 | 4204.1 | 4675.0 | 4924.0 | 5320.4 |
| 40° | 4915.5 | 4900.3 | 4563.2 | 4254.9 | 4239.7 | 4322.7 | 4795.3 | 5330.5 | 5606.6 | 5991.1 |
| 42.5° | 5892.9 | 5869.2 | 5410.1 | 5105.3 | 5054.4 | 5083.2 | 5477.9 | 6138.5 | 6419.7 | 6809.3 |
| 45° | 6760.1 | 6753.4 | 6333.3 | 5923.4 | 5831.9 | 5923.4 | 6329.9 | 7083.7 | 7285.2 | 7695.1 |
| 47.5° | 7486.8 | 7486.8 | 7180.2 | 6912.6 | 6865.2 | 6919.4 | 7483.4 | 8132.2 | 8113.5 | 8638.6 |
| 50° | 8323.6 | 8316.8 | 8025.4 | 7910.3 | 7959.4 | 8035.6 | 8811.4 | 9236.5 | 8970.6 | 9565.2 |
| 52.5° | 8909.6 | 8950.3 | 8850.3 | 8831.7 | 9082.4 | 9214.5 | 10159.7 | 10317.2 | 9737.9 | 10444.3 |
| 55° | 9373.7 | 9421.2 | 9536.4 | 9666.8 | 10149.5 | 10322.3 | 11465.6 | 11342.0 | 10379.9 | 11206.5 |
| 57.5° | 10031.0 | 9963.2 | 10141.1 | 10398.5 | 11179.4 | 11387.7 | 12731.0 | 12309.2 | 10896.5 | 11824.7 |
| 60° | 10828.8 | 10838.9 | 10869.4 | 11194.6 | 12207.6 | 12475.2 | 13977.6 | 13223.9 | 11228.5 | 12204.2 |
| 62.5° | 11787.5 | 11802.7 | 11865.4 | 12365.1 | 13588.0 | 13840.4 | 15305.6 | 13972.5 | 11381.0 | 12097.5 |
| 65° | 11721.4 | 11785.8 | 12485.3 | 14194.4 | 15686.7 | 15935.7 | 16855.5 | 14497.6 | 11150.6 | 11121.8 |
| 67.5° | 10678.0 | 10783.0 | 11953.5 | 16379.5 | 18850.8 | 19128.6 | 18728.9 | 14601.0 | 10156.3 | 8648.8 |
| 70° | 9309.4 | 9346.6 | 10754.2 | 18344.4 | 22514.6 | 22795.8 | 20405.8 | 13464.4 | 7707.0 | 4824.1 |
| 72.5° | 7270.0 | 7278.5 | 8930.0 | 18800.0 | 24503.2 | 24518.4 | 19089.6 | 9995.4 | 4144.8 | 1853.1 |
| 75° | 5193.3 | 5142.5 | 5981.0 | 15246.3 | 21557.6 | 21730.4 | 14311.3 | 4688.6 | 1583.7 | 875.7 |
| 77.5° | 2784.7 | 2840.6 | 3384.3 | 9041.8 | 14892.3 | 15187.0 | 7808.6 | 1351.7 | 806.3 | 596.2 |
| 80° | 860.5 | 907.9 | 1387.3 | 4139.8 | 8435.4 | 8613.2 | 2894.8 | 601.3 | 562.4 | 425.2 |
| 82.5° | 271.0 | 281.2 | 647.0 | 1739.6 | 3501.2 | 3582.5 | 838.5 | 340.5 | 384.5 | 281.2 |
| 85° | 77.9 | 79.6 | 288.0 | 648.7 | 865.6 | 882.5 | 235.4 | 132.1 | 220.2 | 174.5 |
| 87.5° | 8.5 | 27.1 | 108.4 | 108.4 | 76.2 | 74.5 | 25.4 | 28.8 | 62.7 | 22.0 |
| 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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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3350.4 | 0° | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 | 3350.4 |
| 3365.7 | 2.5° | 3357.2 | 3358.9 | 3336.9 | 3299.6 | 3259.0 | 3225.1 | 3182.7 | 3148.9 | 3125.1 | 3118.4 |
| 3396.2 | 5° | 3380.9 | 3369.1 | 3306.4 | 3192.9 | 3057.4 | 2940.5 | 2810.1 | 2706.8 | 2639.0 | 2610.2 |
| 3428.3 | 7.5° | 3416.5 | 3382.6 | 3245.4 | 3021.8 | 2762.7 | 2532.3 | 2298.5 | 2117.3 | 2002.1 | 1944.5 |
| 3458.8 | 10° | 3447.0 | 3379.2 | 3143.8 | 2774.5 | 2378.2 | 2029.2 | 1714.2 | 1495.7 | 1373.7 | 1316.1 |
| 3494.4 | 12.5° | 3475.8 | 3377.5 | 3011.7 | 2481.5 | 1944.5 | 1517.7 | 1224.7 | 1116.2 | 1082.4 | 1070.5 |
| 3552.0 | 15° | 3530.0 | 3382.6 | 2845.7 | 2146.1 | 1512.6 | 1146.7 | 1040.0 | 1038.3 | 1045.1 | 1041.7 |
| 3640.1 | 17.5° | 3604.5 | 3387.7 | 2657.6 | 1790.4 | 1167.1 | 1011.2 | 1006.1 | 1021.4 | 1031.6 | 1026.5 |
| 3750.2 | 20° | 3701.1 | 3408.0 | 2457.8 | 1438.1 | 1002.8 | 977.3 | 989.2 | 1002.8 | 1011.2 | 1002.8 |
| 3897.5 | 22.5° | 3836.6 | 3443.6 | 2239.3 | 1155.2 | 950.2 | 957.0 | 967.2 | 982.4 | 990.9 | 979.0 |
| 4085.6 | 25° | 4002.6 | 3499.5 | 2024.1 | 1004.5 | 924.8 | 933.3 | 948.6 | 965.5 | 975.7 | 963.8 |
| 4322.7 | 27.5° | 4217.7 | 3589.3 | 1826.0 | 970.6 | 899.4 | 904.5 | 926.5 | 951.9 | 965.5 | 950.2 |
| 4659.8 | 30° | 4529.3 | 3736.6 | 1654.9 | 985.8 | 884.2 | 872.3 | 902.8 | 938.4 | 953.6 | 940.1 |
| 5118.8 | 32.5° | 4942.6 | 3945.0 | 1549.9 | 1009.5 | 877.4 | 835.1 | 863.9 | 909.6 | 935.0 | 926.5 |
| 5718.4 | 35° | 5484.7 | 4261.7 | 1509.2 | 1036.6 | 872.3 | 796.1 | 816.4 | 865.6 | 909.6 | 918.1 |
| 6473.9 | 37.5° | 6141.9 | 4702.1 | 1521.1 | 1048.5 | 857.1 | 763.9 | 774.1 | 816.4 | 874.0 | 901.1 |
| 7324.2 | 40° | 6888.9 | 5215.4 | 1588.8 | 1036.6 | 840.1 | 736.8 | 738.5 | 770.7 | 821.5 | 862.2 |
| 8238.9 | 42.5° | 7659.6 | 5815.0 | 1714.2 | 992.6 | 824.9 | 713.1 | 708.0 | 730.0 | 763.9 | 792.7 |
| 9151.9 | 45° | 8393.0 | 6431.5 | 1837.8 | 931.6 | 806.3 | 689.4 | 677.5 | 686.0 | 692.8 | 704.6 |
| 10041.1 | 47.5° | 9033.3 | 6865.2 | 1802.3 | 875.7 | 780.9 | 662.3 | 642.0 | 638.6 | 618.3 | 616.6 |
| 10835.5 | 50° | 9475.4 | 6960.0 | 1600.7 | 819.8 | 743.6 | 631.8 | 599.6 | 579.3 | 543.7 | 526.8 |
| 11430.1 | 52.5° | 9616.0 | 6585.7 | 1307.6 | 763.9 | 682.6 | 591.2 | 545.4 | 513.2 | 469.2 | 454.0 |
| 11772.2 | 55° | 9429.6 | 5852.2 | 1045.1 | 696.2 | 597.9 | 536.9 | 486.1 | 443.8 | 408.2 | 389.6 |
| 11809.5 | 57.5° | 8974.0 | 4918.9 | 826.6 | 616.6 | 508.2 | 476.0 | 425.2 | 382.8 | 352.3 | 333.7 |
| 11396.2 | 60° | 8218.5 | 3906.0 | 653.8 | 521.7 | 433.6 | 409.9 | 357.4 | 330.3 | 303.2 | 281.2 |
| 10329.1 | 62.5° | 7071.8 | 2788.1 | 513.2 | 413.3 | 362.5 | 335.4 | 304.9 | 284.6 | 252.4 | 221.9 |
| 8409.9 | 65° | 5518.6 | 1705.7 | 396.4 | 303.2 | 291.3 | 277.8 | 259.2 | 240.5 | 201.6 | 171.1 |
| 5486.4 | 67.5° | 3480.9 | 808.0 | 282.9 | 228.7 | 230.4 | 223.6 | 215.1 | 199.9 | 171.1 | 144.0 |
| 2457.8 | 70° | 1532.9 | 391.3 | 186.3 | 174.5 | 171.1 | 171.1 | 177.9 | 172.8 | 145.7 | 120.3 |
| 853.7 | 72.5° | 521.7 | 210.0 | 138.9 | 132.1 | 123.7 | 122.0 | 149.1 | 144.0 | 116.9 | 93.2 |
| 425.2 | 75° | 272.7 | 140.6 | 101.6 | 94.9 | 74.5 | 89.8 | 118.6 | 111.8 | 83.0 | 61.0 |
| 281.2 | 77.5° | 177.9 | 99.9 | 69.4 | 61.0 | 42.3 | 59.3 | 88.1 | 77.9 | 49.1 | 30.5 |
| 184.6 | 80° | 111.8 | 66.1 | 40.7 | 28.8 | 20.3 | 32.2 | 47.4 | 33.9 | 18.6 | 6.8 |
| 108.4 | 82.5° | 59.3 | 33.9 | 15.2 | 10.2 | 8.5 | 10.2 | 11.9 | 8.5 | 3.4 | 0.0 |
| 55.9 | 85° | 23.7 | 11.9 | 5.1 | 3.4 | 1.7 | 0.0 | 3.4 | 1.7 | 0.0 | 0.0 |
| 10.2 | 87.5° | 8.5 | 1.7 | 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° |
|--------|
| 3350.4 |
| 3130.2 |
| 2620.4 |
| 1953.0 |
| 1317.8 |
| 1067.1 |
| 1040.0 |
| 1024.8 |
| 1001.1 |
| 977.3 |
| 962.1 |
| 950.2 |
| 938.4 |
| 926.5 |
| 918.1 |
| 907.9 |
| 875.7 |
| 804.6 |
| 711.4 |
| 614.9 |
| 528.5 |
| 452.3 |
| 389.6 |
| 330.3 |
| 276.1 |
| 216.8 |
| 166.0 |
| 140.6 |
| 115.2 |
| 88.1 |
| 55.9 |
| 27.1 |
| 5.1 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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