

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: P852781

Luminaire Tested: **GLAN-SB6B-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27944 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

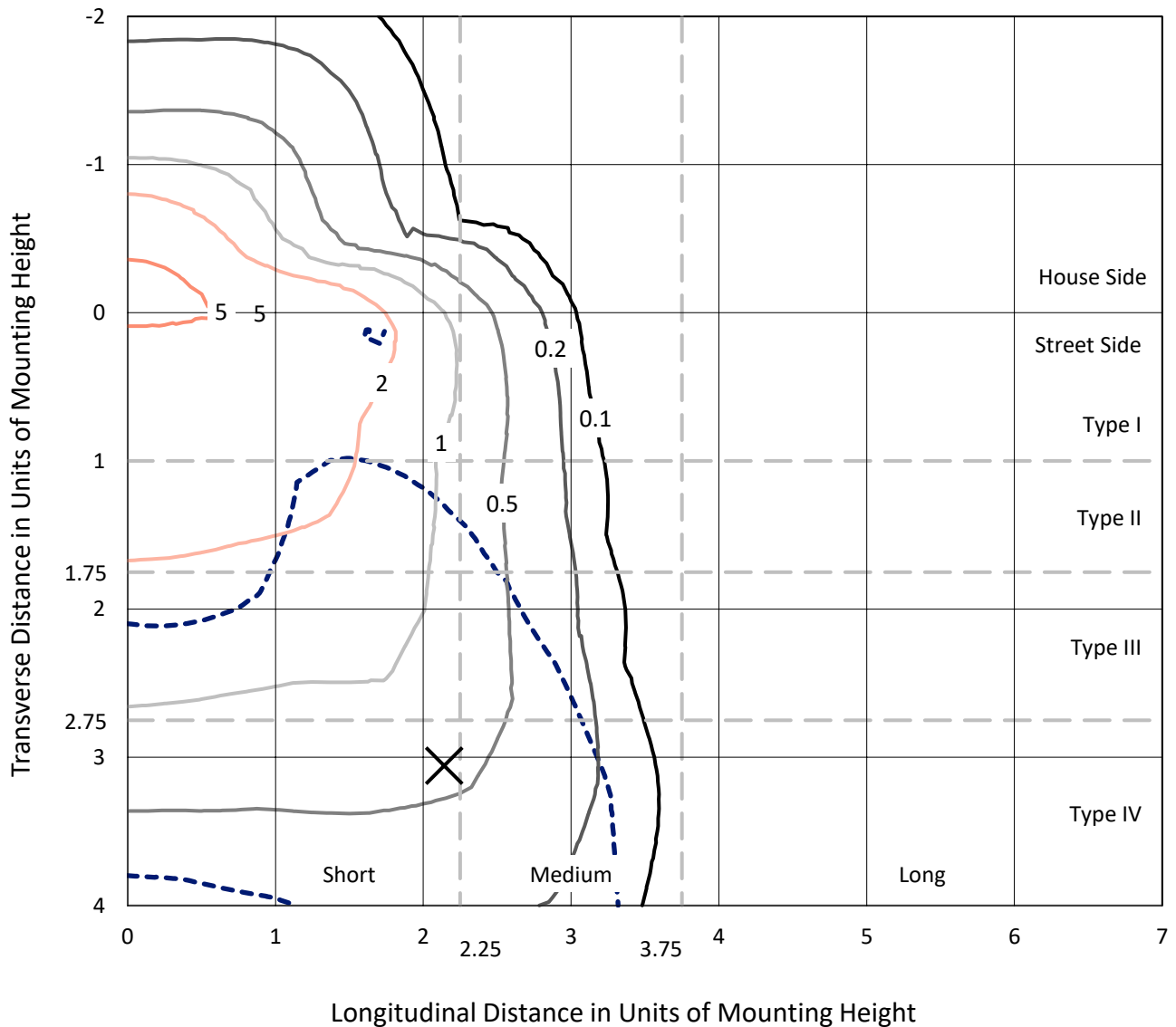
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

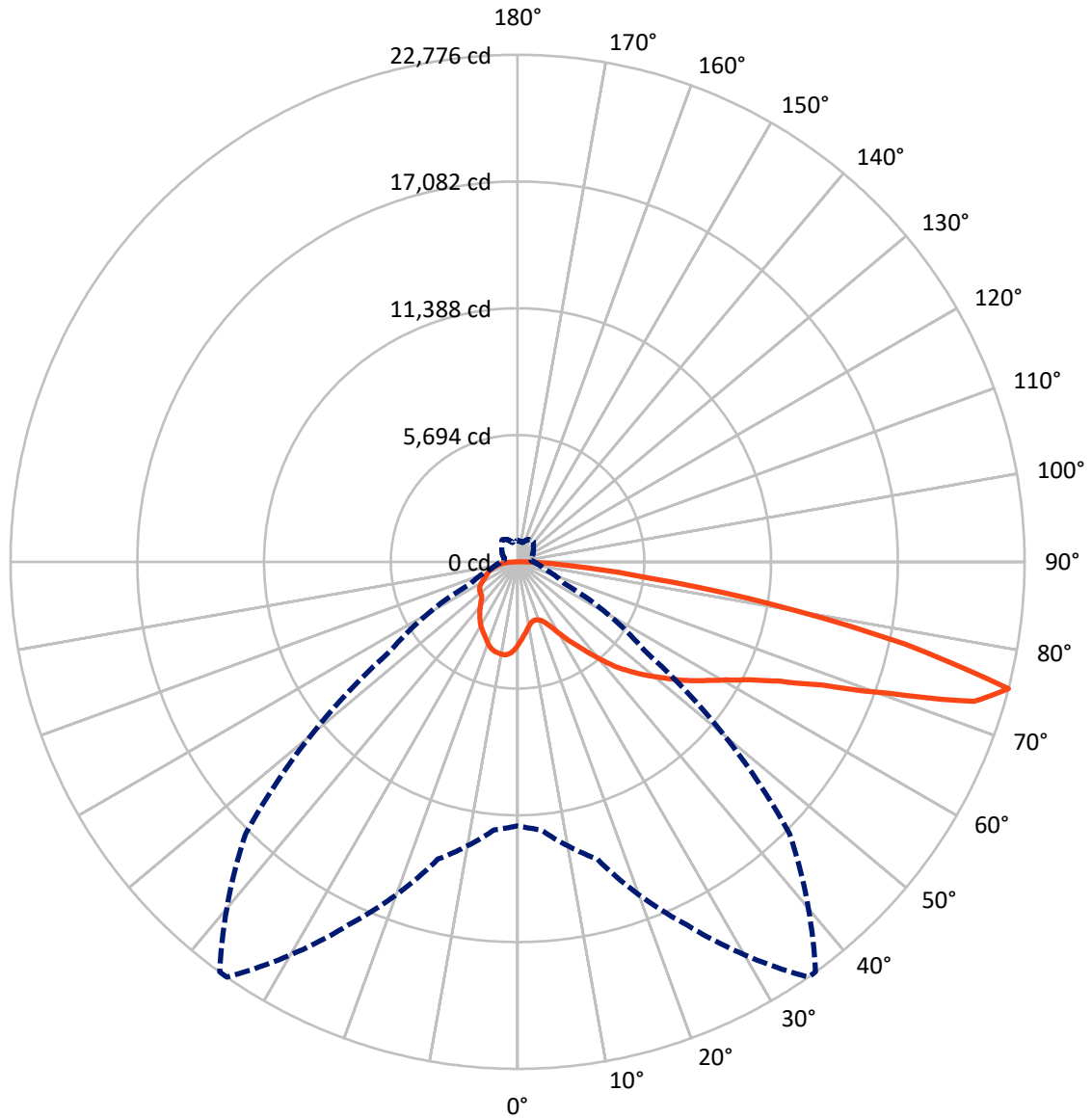
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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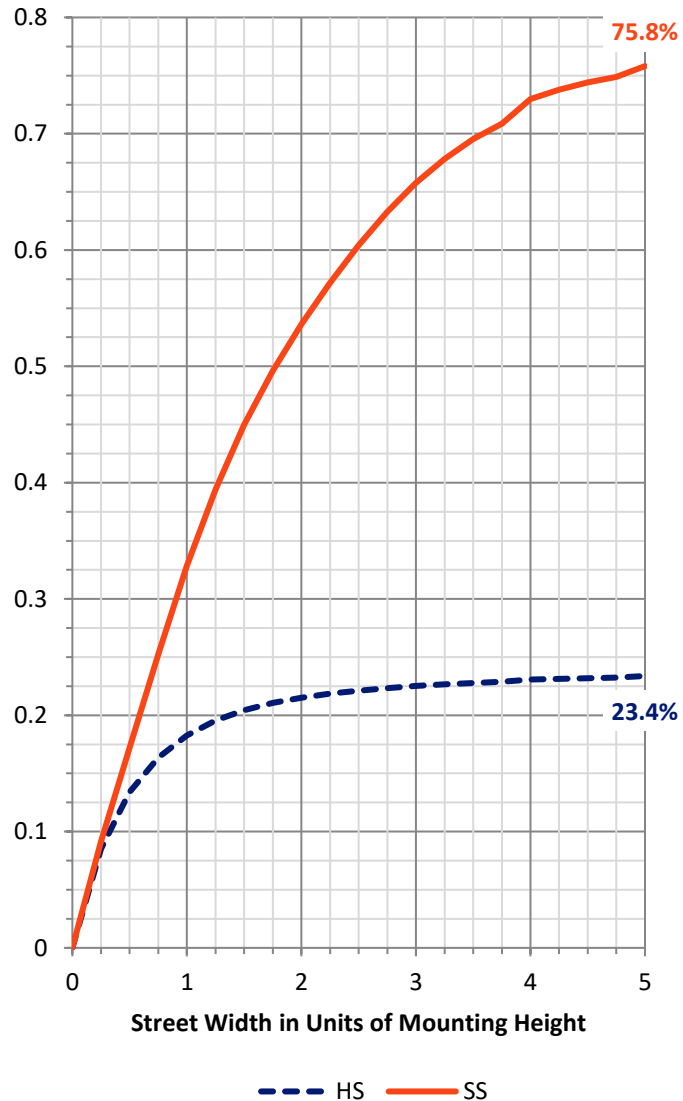
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6650.0 | 0.0 | 6650.0 |
| | % Fixture | 23.8 | 0.0 | 23.8 |
| Street Side | Lumens | 21294.0 | 0.0 | 21294.0 |
| | % Fixture | 76.2 | 0.0 | 76.2 |
| Total | Lumens | 27944.0 | 0.0 | 27944.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 352.6 | 1.3 |
| 10°-20° | 1016.9 | 3.6 |
| 20°-30° | 1707.7 | 6.1 |
| 30°-40° | 2654.0 | 9.5 |
| 40°-50° | 3939.3 | 14.1 |
| 50°-60° | 5438.4 | 19.5 |
| 60°-70° | 6598.0 | 23.6 |
| 70°-80° | 5452.8 | 19.5 |
| 80°-90° | 784.3 | 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° | 27944.0 | 100.0 |
| 0°-180° | 27944.0 | 100.0 |

Coefficient of Utilization

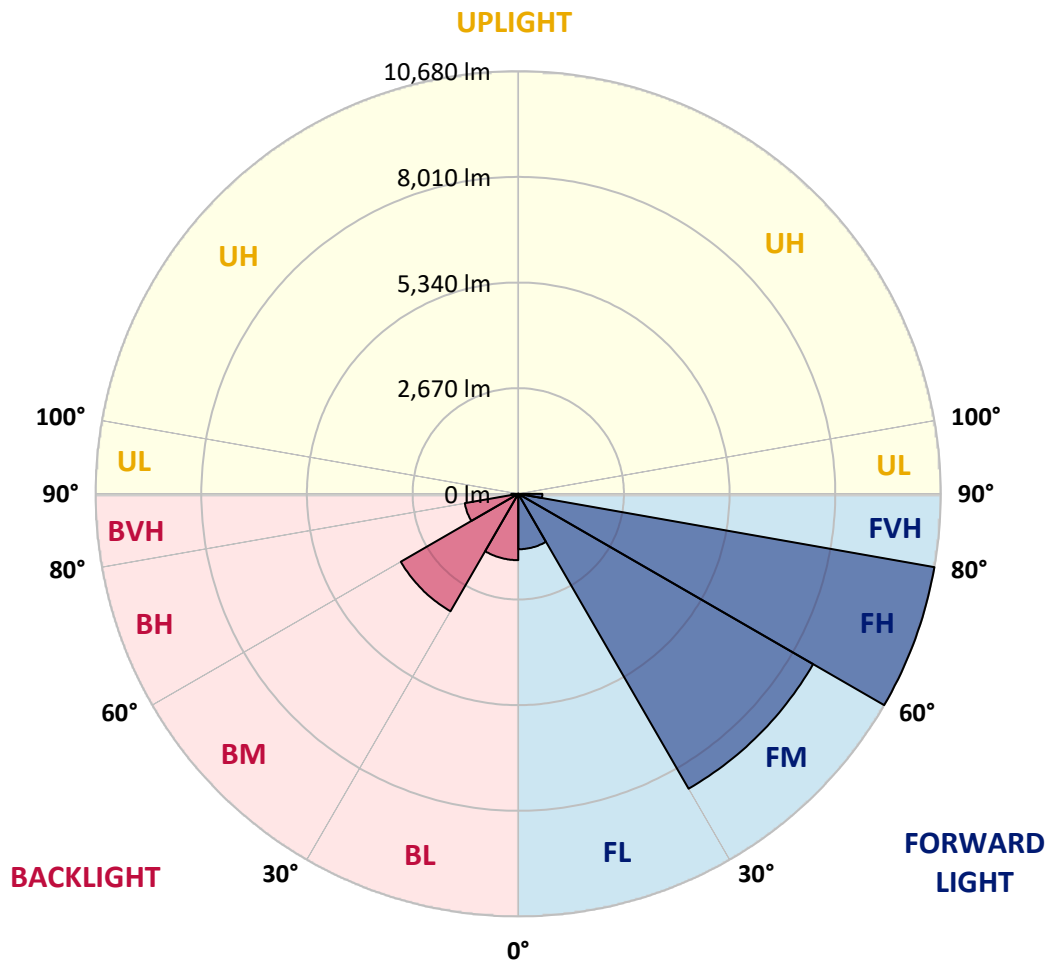


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1401.3 | 5.0 | | | |
| FM (30°-60°) | 8605.2 | 30.8 | | | |
| FH (60°-80°) | 10679.8 | 38.2 | | | G4/12000 |
| FVH (80°-90°) | 607.7 | 2.2 | | | G4/750 |
| BL (0°-30°) | 1675.9 | 6.0 | B3/2500 | | |
| BM (30°-60°) | 3426.5 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 1371.0 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 176.6 | 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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 36° | 45° | 55° | 65° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 |
| 2.5° | 3433.7 | 3454.8 | 3463.9 | 3459.4 | 3482.0 | 3479.0 | 3510.7 | 3550.0 | 3604.4 | 3657.3 |
| 5° | 3169.3 | 3192.0 | 3211.6 | 3229.7 | 3273.6 | 3287.2 | 3337.0 | 3412.5 | 3512.2 | 3613.5 |
| 7.5° | 2923.1 | 2942.7 | 2972.9 | 3006.2 | 3080.2 | 3093.8 | 3176.9 | 3294.7 | 3433.7 | 3581.7 |
| 10° | 2722.2 | 2741.8 | 2773.5 | 2811.3 | 2903.4 | 2920.1 | 3025.8 | 3182.9 | 3364.2 | 3551.5 |
| 12.5° | 2636.1 | 2642.1 | 2660.2 | 2698.0 | 2778.1 | 2788.6 | 2905.0 | 3084.7 | 3296.2 | 3528.9 |
| 15° | 2631.5 | 2643.6 | 2645.1 | 2664.8 | 2731.2 | 2735.8 | 2843.0 | 3021.3 | 3253.9 | 3524.3 |
| 17.5° | 2676.9 | 2685.9 | 2672.3 | 2684.4 | 2740.3 | 2747.9 | 2832.4 | 2991.1 | 3240.3 | 3544.0 |
| 20° | 2797.7 | 2805.3 | 2764.5 | 2747.9 | 2788.6 | 2794.7 | 2877.8 | 3010.7 | 3253.9 | 3584.7 |
| 22.5° | 3054.5 | 3059.0 | 2959.3 | 2891.4 | 2894.4 | 2897.4 | 2969.9 | 3090.8 | 3306.8 | 3658.8 |
| 25° | 3454.8 | 3451.8 | 3293.2 | 3161.8 | 3086.2 | 3069.6 | 3118.0 | 3220.7 | 3395.9 | 3757.0 |
| 27.5° | 3923.1 | 3900.5 | 3741.9 | 3545.5 | 3380.8 | 3356.6 | 3346.1 | 3389.9 | 3522.8 | 3886.9 |
| 30° | 4451.9 | 4430.7 | 4260.0 | 4003.2 | 3775.1 | 3735.8 | 3636.1 | 3613.5 | 3711.6 | 4063.6 |
| 32.5° | 5031.9 | 5018.3 | 4814.4 | 4503.2 | 4198.1 | 4152.7 | 3985.1 | 3924.6 | 4001.7 | 4331.0 |
| 35° | 5518.4 | 5506.3 | 5337.1 | 5016.8 | 4643.7 | 4587.8 | 4417.1 | 4349.1 | 4388.4 | 4673.9 |
| 37.5° | 5958.0 | 5951.9 | 5806.9 | 5554.6 | 5169.4 | 5101.4 | 4909.6 | 4886.9 | 4879.4 | 5125.6 |
| 40° | 6365.8 | 6350.7 | 6199.7 | 6066.7 | 5781.2 | 5719.3 | 5550.1 | 5530.5 | 5473.0 | 5681.5 |
| 42.5° | 6817.5 | 6778.2 | 6559.2 | 6497.3 | 6420.2 | 6368.9 | 6267.6 | 6270.7 | 6143.8 | 6308.4 |
| 45° | 7186.1 | 7163.5 | 6938.4 | 6902.1 | 6985.2 | 6964.0 | 7051.7 | 7074.3 | 6828.1 | 6965.6 |
| 47.5° | 7581.9 | 7560.8 | 7370.4 | 7344.7 | 7569.8 | 7575.9 | 7885.5 | 7893.1 | 7495.8 | 7648.4 |
| 50° | 8069.8 | 8039.6 | 7850.8 | 7882.5 | 8134.8 | 8157.5 | 8723.9 | 8672.6 | 8110.6 | 8341.8 |
| 52.5° | 8391.6 | 8409.7 | 8368.9 | 8420.3 | 8764.7 | 8785.9 | 9548.8 | 9417.3 | 8719.4 | 9026.1 |
| 55° | 8628.8 | 8665.0 | 8791.9 | 8909.8 | 9429.4 | 9450.6 | 10326.7 | 10125.8 | 9224.0 | 9660.5 |
| 57.5° | 8933.9 | 8882.6 | 9119.7 | 9349.3 | 10060.9 | 10116.8 | 11083.6 | 10808.6 | 9671.1 | 10207.4 |
| 60° | 9372.0 | 9335.8 | 9520.1 | 9859.9 | 10767.8 | 10857.0 | 11884.2 | 11423.5 | 9998.9 | 10640.9 |
| 62.5° | 10260.3 | 10169.6 | 10198.3 | 10498.9 | 11659.1 | 11776.9 | 12787.6 | 11959.7 | 10162.1 | 10810.1 |
| 65° | 11588.1 | 11432.5 | 11287.5 | 11496.0 | 12914.5 | 13030.8 | 13807.2 | 12381.2 | 10101.6 | 10482.3 |
| 67.5° | 13260.4 | 13106.3 | 12928.1 | 13124.4 | 14763.5 | 14855.6 | 15065.6 | 12618.4 | 9625.8 | 9219.4 |
| 70° | 14639.6 | 14582.2 | 14795.2 | 15603.4 | 17716.8 | 17719.8 | 16679.0 | 12422.0 | 8322.1 | 6536.5 |
| 72.5° | 14456.8 | 14422.1 | 15544.5 | 18043.1 | 21439.0 | 21358.9 | 18206.2 | 10935.5 | 5606.0 | 2948.8 |
| 75° | 11860.0 | 12085.1 | 13823.9 | 17999.3 | 22775.9 | 22765.3 | 17271.1 | 6952.0 | 2318.8 | 1222.1 |
| 77.5° | 6359.8 | 6716.3 | 8974.7 | 13289.1 | 17780.2 | 18047.6 | 12142.5 | 2432.1 | 995.5 | 782.5 |
| 80° | 2074.1 | 2385.3 | 3577.2 | 6766.2 | 11553.4 | 11503.5 | 5204.2 | 954.7 | 681.3 | 554.4 |
| 82.5° | 880.7 | 917.0 | 1598.3 | 3195.0 | 5929.3 | 5837.1 | 1657.2 | 548.4 | 478.9 | 379.2 |
| 85° | 344.4 | 385.2 | 705.5 | 1477.4 | 2568.1 | 2512.2 | 598.2 | 271.9 | 306.7 | 247.7 |
| 87.5° | 113.3 | 137.5 | 252.3 | 506.1 | 799.1 | 770.4 | 146.5 | 93.7 | 132.9 | 113.3 |
| 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° |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3723.7 | 0° | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 | 3723.7 |
| 3734.3 | 2.5° | 3755.5 | 3779.6 | 3808.3 | 3850.6 | 3886.9 | 3917.1 | 3948.8 | 3968.5 | 3976.0 | 3998.7 |
| 3740.3 | 5° | 3782.6 | 3835.5 | 3906.5 | 3976.0 | 4044.0 | 4084.8 | 4121.0 | 4139.2 | 4155.8 | 4167.9 |
| 3757.0 | 7.5° | 3828.0 | 3895.9 | 4007.7 | 4098.4 | 4155.8 | 4189.0 | 4213.2 | 4207.1 | 4213.2 | 4216.2 |
| 3775.1 | 10° | 3867.2 | 3962.4 | 4095.3 | 4181.5 | 4225.3 | 4226.8 | 4220.7 | 4199.6 | 4189.0 | 4190.5 |
| 3802.3 | 12.5° | 3914.1 | 4019.8 | 4163.3 | 4235.8 | 4247.9 | 4214.7 | 4189.0 | 4152.7 | 4139.2 | 4133.1 |
| 3843.1 | 15° | 3977.5 | 4098.4 | 4237.3 | 4264.5 | 4234.3 | 4192.0 | 4148.2 | 4089.3 | 4059.1 | 4034.9 |
| 3912.6 | 17.5° | 4054.6 | 4187.5 | 4294.7 | 4275.1 | 4210.2 | 4140.7 | 4069.7 | 3980.5 | 3918.6 | 3892.9 |
| 4007.7 | 20° | 4161.8 | 4281.2 | 4338.6 | 4252.5 | 4154.3 | 4048.5 | 3927.7 | 3818.9 | 3761.5 | 3735.8 |
| 4128.6 | 22.5° | 4291.7 | 4406.5 | 4380.9 | 4213.2 | 4074.2 | 3905.0 | 3753.9 | 3673.9 | 3645.2 | 3627.0 |
| 4284.2 | 25° | 4447.3 | 4545.5 | 4411.1 | 4155.8 | 3942.8 | 3714.7 | 3598.3 | 3572.7 | 3559.1 | 3545.5 |
| 4474.5 | 27.5° | 4649.7 | 4702.6 | 4433.7 | 4071.2 | 3737.3 | 3512.2 | 3469.9 | 3474.5 | 3469.9 | 3447.3 |
| 4738.9 | 30° | 4917.1 | 4906.6 | 4454.9 | 3933.7 | 3501.7 | 3329.5 | 3332.5 | 3352.1 | 3355.1 | 3340.0 |
| 5107.5 | 32.5° | 5269.1 | 5161.9 | 4465.5 | 3755.5 | 3276.6 | 3169.3 | 3172.3 | 3193.5 | 3208.6 | 3182.9 |
| 5589.4 | 35° | 5695.1 | 5459.5 | 4448.8 | 3531.9 | 3102.9 | 3016.7 | 2994.1 | 3000.1 | 3004.7 | 2980.5 |
| 6174.0 | 37.5° | 6192.1 | 5793.3 | 4374.8 | 3284.1 | 2959.3 | 2867.2 | 2818.9 | 2778.1 | 2753.9 | 2731.2 |
| 6835.6 | 40° | 6737.5 | 6157.4 | 4238.9 | 3042.4 | 2799.2 | 2708.6 | 2636.1 | 2559.0 | 2477.4 | 2447.2 |
| 7536.6 | 42.5° | 7308.5 | 6532.0 | 4074.2 | 2811.3 | 2614.9 | 2540.9 | 2463.9 | 2352.1 | 2229.7 | 2167.8 |
| 8264.7 | 45° | 7900.6 | 6915.7 | 3912.6 | 2583.2 | 2426.1 | 2394.4 | 2305.2 | 2170.8 | 2037.9 | 1959.3 |
| 8994.3 | 47.5° | 8480.7 | 7278.3 | 3675.4 | 2353.6 | 2249.3 | 2284.1 | 2214.6 | 2090.7 | 1942.7 | 1818.8 |
| 9717.9 | 50° | 9035.1 | 7618.2 | 3287.2 | 2120.9 | 2105.8 | 2250.9 | 2184.4 | 2006.1 | 1836.9 | 1678.3 |
| 10427.9 | 52.5° | 9585.0 | 7893.1 | 2790.2 | 1909.4 | 2028.8 | 2241.8 | 2145.1 | 1948.7 | 1741.8 | 1575.6 |
| 11095.6 | 55° | 10051.8 | 8035.1 | 2311.3 | 1728.2 | 1917.0 | 2164.7 | 2098.3 | 1880.7 | 1607.3 | 1430.6 |
| 11553.4 | 57.5° | 10317.7 | 7920.3 | 1912.5 | 1549.9 | 1762.9 | 2037.9 | 2018.2 | 1735.7 | 1447.2 | 1311.2 |
| 11642.5 | 60° | 10202.9 | 7455.0 | 1586.2 | 1394.3 | 1616.4 | 1900.4 | 1879.2 | 1592.2 | 1324.8 | 1196.4 |
| 11165.1 | 62.5° | 9569.9 | 6568.3 | 1327.9 | 1258.4 | 1483.4 | 1759.9 | 1740.3 | 1481.9 | 1231.2 | 1107.3 |
| 9897.7 | 65° | 8294.9 | 5343.1 | 1126.9 | 1145.1 | 1349.0 | 1590.7 | 1619.4 | 1389.8 | 1157.2 | 1036.3 |
| 7657.4 | 67.5° | 6326.6 | 3870.3 | 969.8 | 1046.9 | 1217.6 | 1424.5 | 1507.6 | 1323.3 | 1095.2 | 980.4 |
| 4430.7 | 70° | 3605.9 | 2198.0 | 836.9 | 951.7 | 1101.3 | 1270.4 | 1421.5 | 1270.4 | 1028.7 | 933.6 |
| 1660.2 | 72.5° | 1367.1 | 1009.1 | 723.6 | 856.5 | 989.5 | 1140.5 | 1326.3 | 1187.4 | 951.7 | 880.7 |
| 858.0 | 75° | 729.6 | 614.8 | 608.8 | 744.7 | 861.1 | 1013.6 | 1207.0 | 1105.8 | 894.3 | 930.6 |
| 593.7 | 77.5° | 497.0 | 435.1 | 509.1 | 637.5 | 720.6 | 873.1 | 1080.1 | 981.9 | 775.0 | 771.9 |
| 410.9 | 80° | 344.4 | 308.2 | 413.9 | 513.6 | 557.4 | 734.2 | 942.6 | 842.9 | 631.4 | 589.1 |
| 253.8 | 82.5° | 207.0 | 200.9 | 309.7 | 383.7 | 394.3 | 566.5 | 781.0 | 707.0 | 516.6 | 450.2 |
| 151.1 | 85° | 113.3 | 119.3 | 197.9 | 225.1 | 229.6 | 395.8 | 611.8 | 546.9 | 397.3 | 333.9 |
| 54.4 | 87.5° | 31.7 | 40.8 | 72.5 | 89.1 | 110.3 | 205.4 | 364.1 | 324.8 | 199.4 | 139.0 |
| 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° |
|--------|
| 3723.7 |
| 3997.2 |
| 4170.9 |
| 4220.7 |
| 4193.5 |
| 4130.1 |
| 4042.5 |
| 3894.4 |
| 3732.8 |
| 3630.1 |
| 3545.5 |
| 3451.8 |
| 3347.6 |
| 3195.0 |
| 2997.1 |
| 2746.3 |
| 2460.8 |
| 2175.3 |
| 1953.3 |
| 1805.2 |
| 1664.7 |
| 1557.5 |
| 1415.5 |
| 1293.1 |
| 1178.3 |
| 1087.7 |
| 1016.7 |
| 962.3 |
| 921.5 |
| 868.6 |
| 960.8 |
| 711.5 |
| 563.5 |
| 453.2 |
| 336.9 |
| 139.0 |
| 0.0 |

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