

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: P942385

Luminaire Tested: **GLAN-SB6B-840-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32363 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

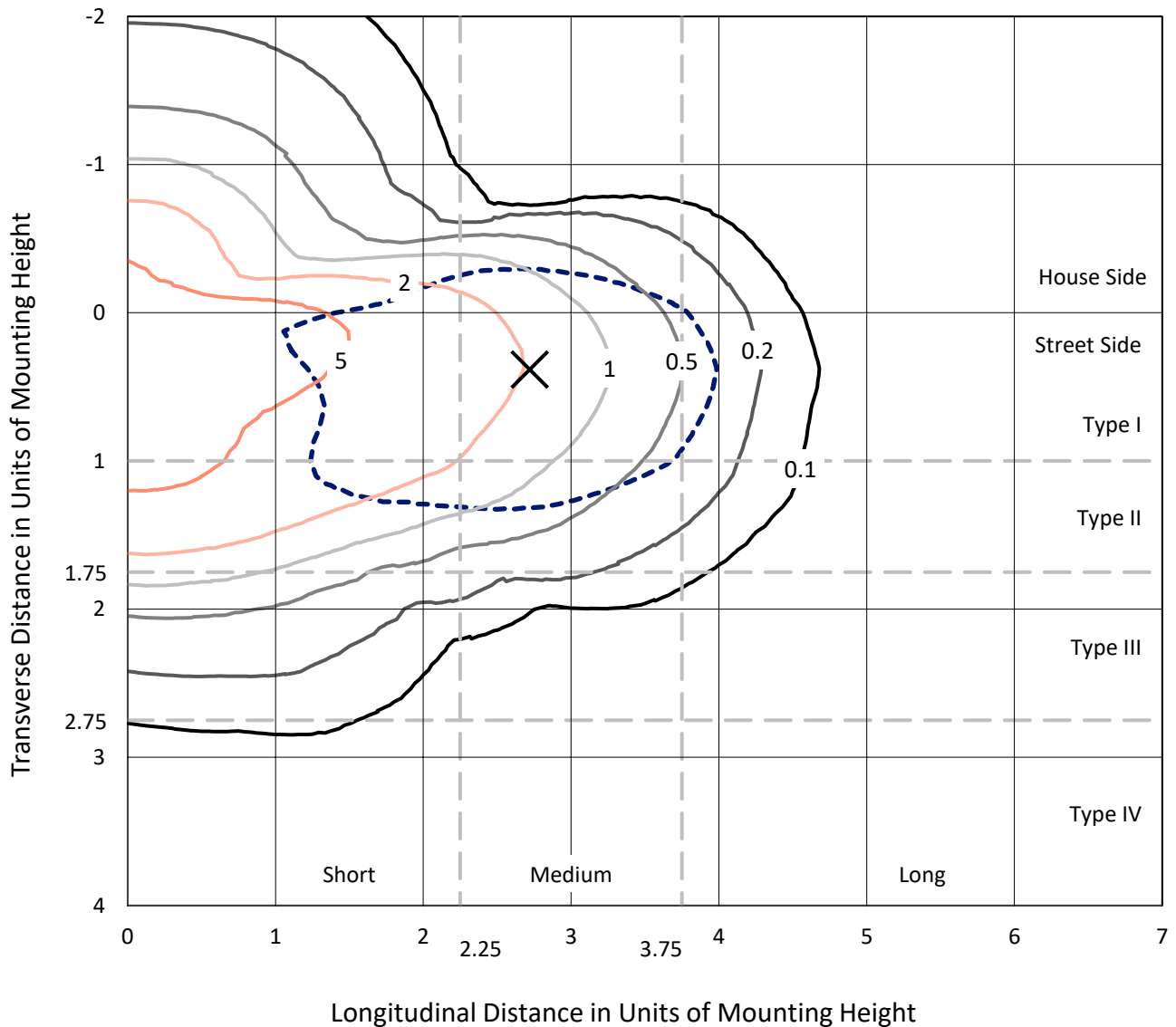
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

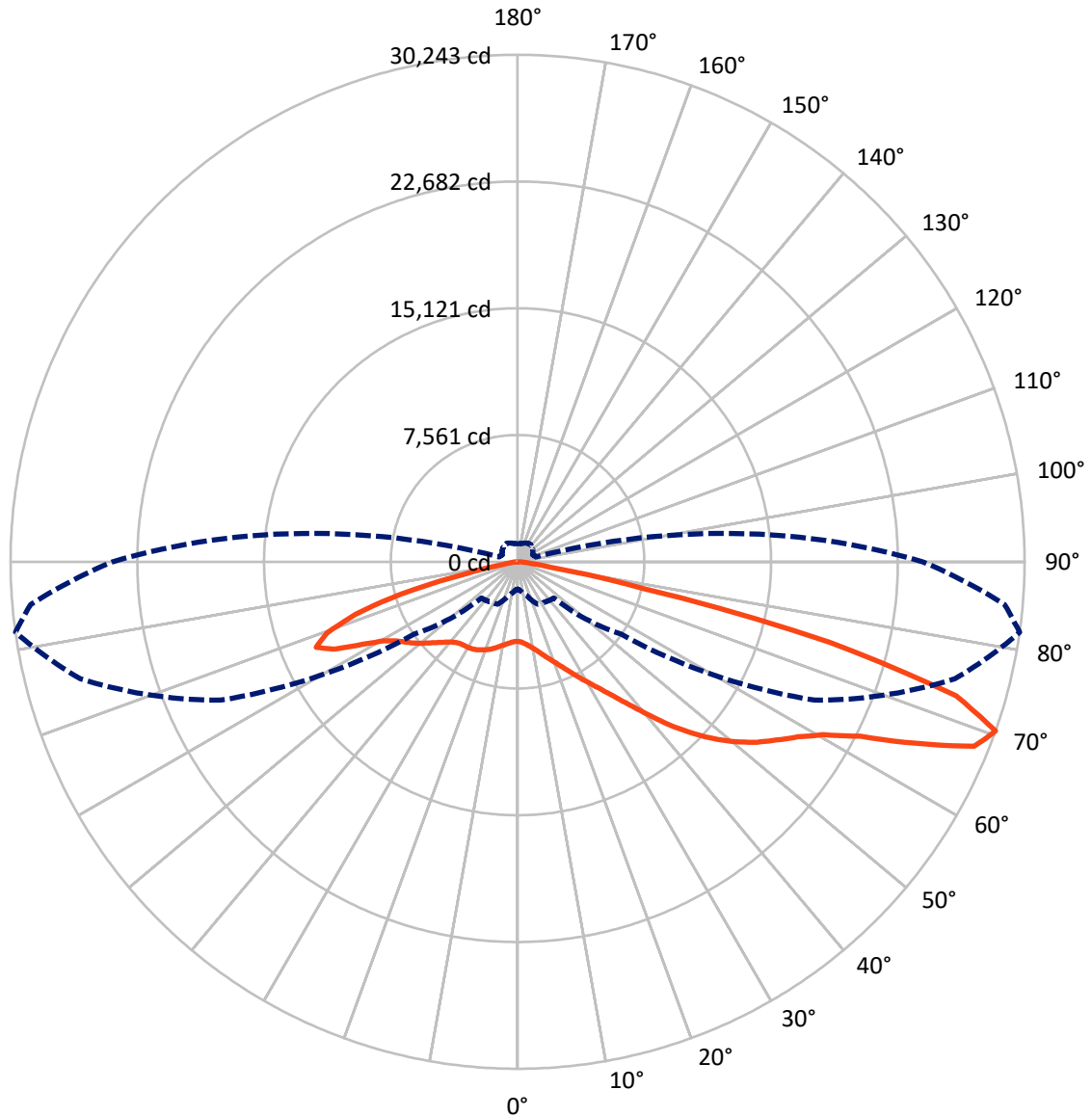
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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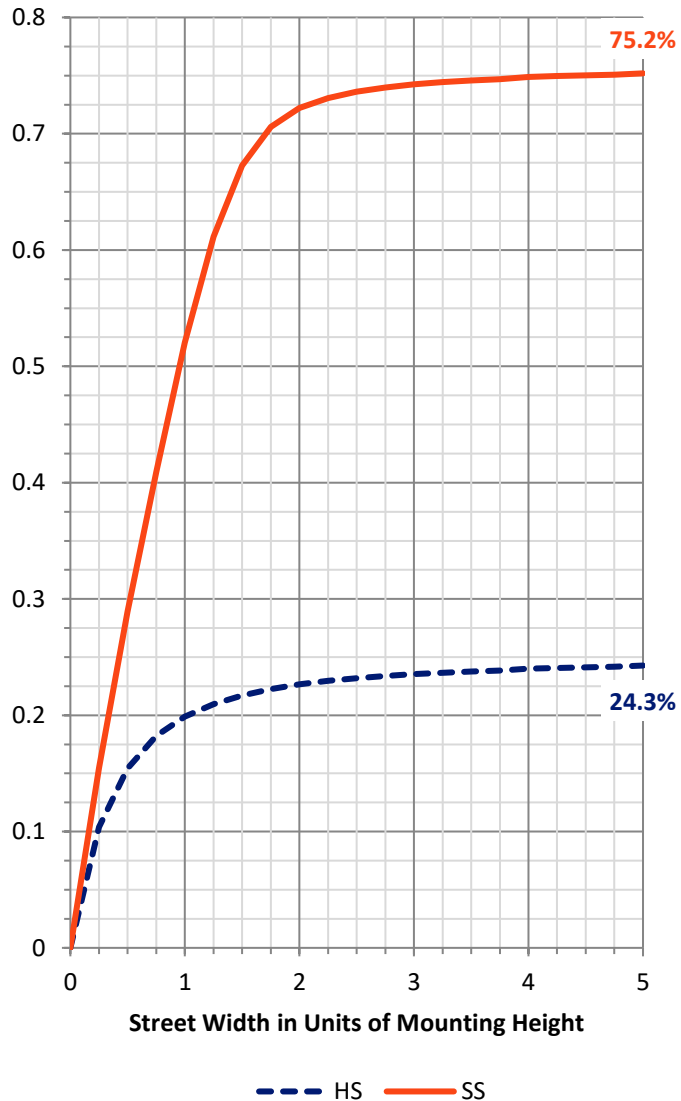
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7978.3 | 0.0 | 7978.3 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 24384.7 | 0.0 | 24384.7 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 32363.0 | 0.0 | 32363.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 448.0 | 1.4 |
| 10°-20° | 1287.1 | 4.0 |
| 20°-30° | 2153.2 | 6.7 |
| 30°-40° | 3363.9 | 10.4 |
| 40°-50° | 5357.4 | 16.6 |
| 50°-60° | 7455.4 | 23.0 |
| 60°-70° | 7798.7 | 24.1 |
| 70°-80° | 4076.0 | 12.6 |
| 80°-90° | 423.3 | 1.3 |
| 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° | 32363.0 | 100.0 |
| 0°-180° | 32363.0 | 100.0 |

Coefficient of Utilization

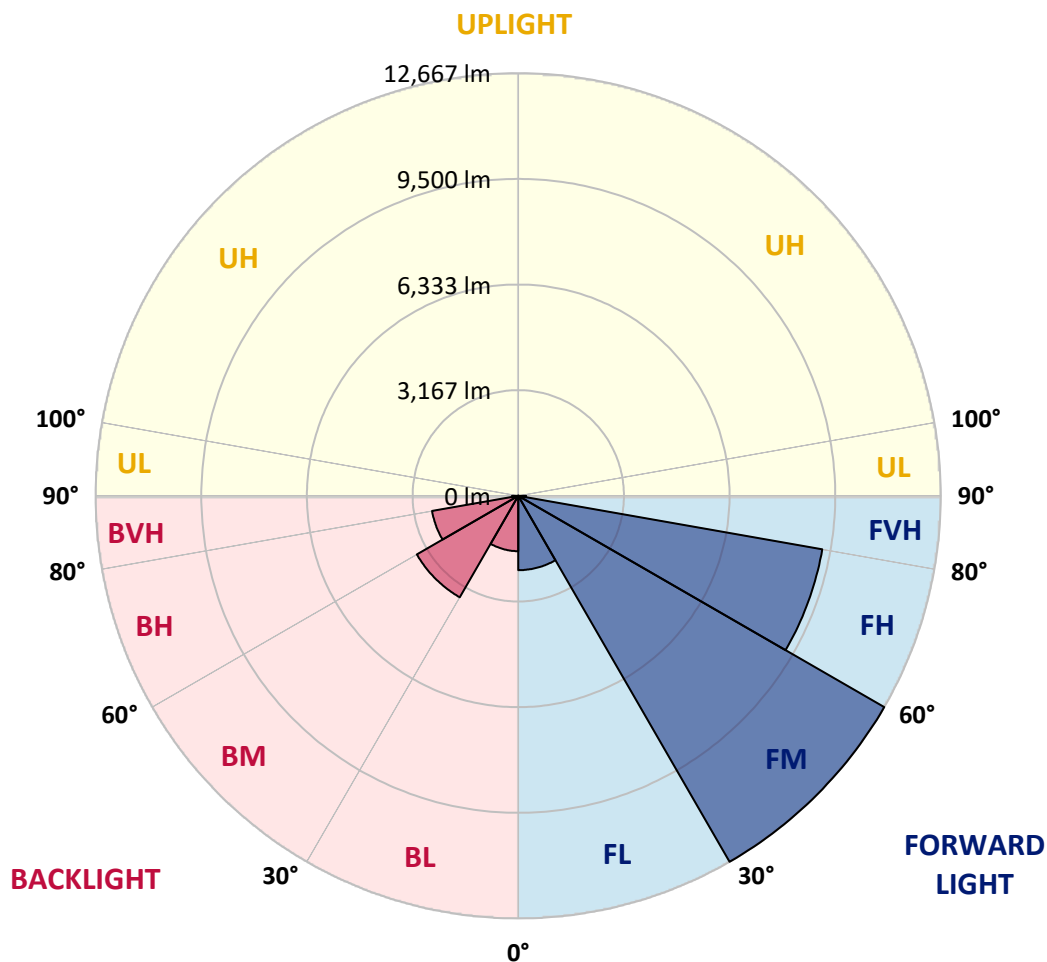


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2228.6 | 6.9 | | | |
| FM (30°-60°) | 12666.6 | 39.1 | | | |
| FH (60°-80°) | 9252.7 | 28.6 | | | G4/12000 |
| FVH (80°-90°) | 236.9 | 0.7 | | | G3/500 |
| BL (0°-30°) | 1659.8 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 3510.1 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 2622.1 | 8.1 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 186.3 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 |
| 2.5° | 4858.2 | 4885.6 | 4877.1 | 4868.5 | 4868.5 | 4856.4 | 4854.7 | 4837.6 | 4823.8 | 4801.5 |
| 5° | 4920.0 | 4949.2 | 4945.7 | 4952.6 | 4974.9 | 4980.1 | 4985.2 | 4974.9 | 4947.5 | 4920.0 |
| 7.5° | 4865.0 | 4897.7 | 4908.0 | 4949.2 | 5017.9 | 5079.7 | 5126.1 | 5144.9 | 5119.2 | 5079.7 |
| 10° | 4679.6 | 4715.6 | 4751.7 | 4849.6 | 4971.5 | 5117.5 | 5241.1 | 5315.0 | 5309.8 | 5272.0 |
| 12.5° | 4303.5 | 4341.3 | 4418.5 | 4609.2 | 4832.4 | 5090.0 | 5320.1 | 5474.7 | 5527.9 | 5500.4 |
| 15° | 4003.0 | 4035.6 | 4094.0 | 4289.7 | 4580.0 | 4971.5 | 5349.3 | 5649.8 | 5785.5 | 5770.0 |
| 17.5° | 3994.4 | 4008.1 | 4044.2 | 4136.9 | 4360.2 | 4786.0 | 5318.4 | 5821.5 | 6080.9 | 6079.1 |
| 20° | 4145.5 | 4150.6 | 4171.3 | 4190.1 | 4317.2 | 4645.2 | 5239.4 | 5964.1 | 6412.3 | 6412.3 |
| 22.5° | 4355.0 | 4351.6 | 4372.2 | 4355.0 | 4416.8 | 4633.2 | 5189.6 | 6089.4 | 6781.5 | 6809.0 |
| 25° | 4669.3 | 4652.1 | 4646.9 | 4607.4 | 4619.5 | 4744.8 | 5244.5 | 6232.0 | 7219.4 | 7276.1 |
| 27.5° | 5088.3 | 5060.8 | 5041.9 | 4950.9 | 4920.0 | 4974.9 | 5412.8 | 6403.7 | 7707.1 | 7805.0 |
| 30° | 5634.4 | 5584.6 | 5557.1 | 5399.1 | 5287.5 | 5296.1 | 5667.0 | 6632.1 | 8217.1 | 8375.1 |
| 32.5° | 6379.7 | 6302.4 | 6228.5 | 5969.2 | 5764.9 | 5697.9 | 5995.0 | 6948.1 | 8770.1 | 9022.5 |
| 35° | 7214.3 | 7152.4 | 7073.4 | 6673.3 | 6359.1 | 6204.5 | 6438.0 | 7389.4 | 9417.5 | 9817.6 |
| 37.5° | 8017.9 | 7964.7 | 8002.5 | 7463.3 | 7058.0 | 6833.0 | 7018.5 | 7981.9 | 10216.0 | 10806.8 |
| 40° | 8849.1 | 8807.9 | 8813.0 | 8297.9 | 7825.6 | 7573.2 | 7722.6 | 8725.5 | 11131.4 | 11983.1 |
| 42.5° | 9752.4 | 9721.5 | 9618.4 | 9161.6 | 8631.0 | 8395.7 | 8533.1 | 9584.1 | 12113.6 | 13322.6 |
| 45° | 10763.9 | 10745.0 | 10648.8 | 10125.0 | 9517.1 | 9252.7 | 9438.1 | 10532.0 | 13101.1 | 14583.1 |
| 47.5° | 11637.9 | 11653.4 | 11641.4 | 11200.0 | 10569.8 | 10181.7 | 10403.2 | 11521.2 | 14019.8 | 15768.0 |
| 50° | 12058.7 | 12139.4 | 12257.9 | 12120.5 | 11729.0 | 11334.0 | 11376.9 | 12476.0 | 14895.6 | 16879.1 |
| 52.5° | 11838.9 | 11991.7 | 12314.6 | 12534.4 | 12685.5 | 12603.1 | 12488.0 | 13423.9 | 15719.9 | 17881.9 |
| 55° | 11019.7 | 11234.4 | 11770.2 | 12300.8 | 13071.9 | 13671.2 | 13822.3 | 14474.9 | 16523.6 | 18764.6 |
| 57.5° | 9527.4 | 9876.0 | 10356.9 | 11430.2 | 12728.4 | 14188.1 | 15378.2 | 15932.8 | 17375.4 | 19707.4 |
| 60° | 6968.7 | 7435.8 | 8033.4 | 9630.5 | 11526.3 | 13911.6 | 16702.2 | 18172.2 | 18586.0 | 20928.4 |
| 62.5° | 4459.8 | 4748.3 | 5297.8 | 6802.1 | 8981.3 | 12494.9 | 17107.5 | 20971.3 | 20638.2 | 22930.7 |
| 65° | 3053.3 | 3238.8 | 3741.9 | 4586.8 | 5806.1 | 9300.7 | 16022.1 | 23069.8 | 23897.5 | 26104.2 |
| 67.5° | 2218.7 | 2359.5 | 2788.8 | 3529.0 | 3783.1 | 5503.9 | 12433.0 | 22973.7 | 27065.9 | 29373.9 |
| 70° | 1617.7 | 1717.3 | 2077.9 | 2788.8 | 2910.8 | 3061.9 | 7532.0 | 19528.8 | 26997.2 | 30242.9 |
| 72.5° | 1198.7 | 1267.3 | 1509.5 | 2163.8 | 2356.1 | 2067.6 | 3728.2 | 14193.2 | 23198.6 | 27354.4 |
| 75° | 867.2 | 918.7 | 1097.3 | 1655.4 | 1885.6 | 1574.7 | 1859.8 | 8294.4 | 16181.8 | 19242.0 |
| 77.5° | 662.9 | 702.4 | 819.1 | 1212.4 | 1509.5 | 1181.5 | 1154.0 | 3815.8 | 7672.8 | 7710.5 |
| 80° | 532.4 | 558.1 | 621.7 | 853.5 | 1157.4 | 884.4 | 752.2 | 1540.4 | 2424.8 | 2052.1 |
| 82.5° | 391.5 | 434.5 | 525.5 | 599.3 | 827.7 | 609.6 | 458.5 | 777.9 | 922.2 | 793.4 |
| 85° | 223.2 | 252.4 | 317.7 | 429.3 | 528.9 | 372.6 | 262.7 | 345.2 | 429.3 | 352.0 |
| 87.5° | 79.0 | 103.0 | 111.6 | 168.3 | 230.1 | 154.6 | 101.3 | 99.6 | 140.8 | 104.8 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4744.8 | 0° | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 | 4744.8 |
| 4796.3 | 2.5° | 4779.2 | 4770.6 | 4736.2 | 4689.9 | 4641.8 | 4595.4 | 4580.0 | 4547.3 | 4525.0 | 4513.0 |
| 4908.0 | 5° | 4875.3 | 4847.9 | 4767.1 | 4664.1 | 4555.9 | 4439.1 | 4356.7 | 4281.2 | 4226.2 | 4174.7 |
| 5060.8 | 7.5° | 5012.7 | 4964.6 | 4825.5 | 4645.2 | 4452.9 | 4258.8 | 4114.6 | 4004.7 | 3930.8 | 3882.8 |
| 5239.4 | 10° | 5172.4 | 5098.6 | 4885.6 | 4616.0 | 4318.9 | 4040.7 | 3870.7 | 3776.3 | 3729.9 | 3704.2 |
| 5443.7 | 12.5° | 5356.2 | 5251.4 | 4947.5 | 4549.1 | 4114.6 | 3796.9 | 3680.1 | 3652.6 | 3654.4 | 3656.1 |
| 5701.3 | 15° | 5582.8 | 5436.9 | 4997.3 | 4403.1 | 3848.4 | 3609.7 | 3589.1 | 3633.7 | 3680.1 | 3702.4 |
| 5993.3 | 17.5° | 5838.7 | 5632.6 | 5005.8 | 4162.7 | 3587.4 | 3489.5 | 3554.8 | 3650.9 | 3721.3 | 3752.2 |
| 6319.6 | 20° | 6113.5 | 5831.9 | 4944.0 | 3822.6 | 3372.7 | 3391.6 | 3508.4 | 3632.0 | 3709.3 | 3748.8 |
| 6692.2 | 22.5° | 6427.7 | 6044.8 | 4796.3 | 3465.5 | 3197.6 | 3285.1 | 3422.5 | 3542.7 | 3623.4 | 3662.9 |
| 7130.1 | 25° | 6786.7 | 6283.5 | 4564.5 | 3164.9 | 3046.4 | 3164.9 | 3302.3 | 3401.9 | 3467.2 | 3503.2 |
| 7619.5 | 27.5° | 7185.1 | 6532.5 | 4255.4 | 2926.2 | 2914.2 | 3041.3 | 3154.6 | 3231.9 | 3266.2 | 3293.7 |
| 8139.9 | 30° | 7585.2 | 6759.2 | 3881.0 | 2745.9 | 2799.2 | 2919.4 | 3000.1 | 3034.4 | 3044.7 | 3049.9 |
| 8720.3 | 32.5° | 8017.9 | 6954.9 | 3487.8 | 2596.5 | 2689.2 | 2800.9 | 2849.0 | 2864.4 | 2816.3 | 2783.7 |
| 9424.4 | 35° | 8541.7 | 7164.5 | 3103.1 | 2478.0 | 2581.1 | 2677.2 | 2692.7 | 2678.9 | 2622.3 | 2555.3 |
| 10307.1 | 37.5° | 9189.1 | 7425.5 | 2795.7 | 2393.9 | 2479.7 | 2543.3 | 2524.4 | 2521.0 | 2526.1 | 2447.1 |
| 11368.3 | 40° | 9982.5 | 7765.5 | 2570.8 | 2328.6 | 2397.3 | 2411.0 | 2357.8 | 2387.0 | 2412.8 | 2292.6 |
| 12532.6 | 42.5° | 10863.5 | 8175.9 | 2428.2 | 2284.0 | 2328.6 | 2296.0 | 2213.6 | 2246.2 | 2242.8 | 2084.8 |
| 13702.1 | 45° | 11761.6 | 8622.4 | 2378.4 | 2251.3 | 2265.1 | 2199.8 | 2108.8 | 2117.4 | 2045.3 | 1902.7 |
| 14823.5 | 47.5° | 12654.6 | 9101.5 | 2409.3 | 2223.9 | 2186.1 | 2112.2 | 2041.8 | 2004.1 | 1897.6 | 1791.1 |
| 15898.5 | 50° | 13530.4 | 9604.7 | 2522.7 | 2168.9 | 2077.9 | 2035.0 | 1983.4 | 1916.5 | 1803.1 | 1712.1 |
| 16915.1 | 52.5° | 14342.6 | 10111.3 | 2649.7 | 2077.9 | 1942.2 | 1968.0 | 1935.4 | 1858.1 | 1746.5 | 1653.7 |
| 17876.8 | 55° | 15112.0 | 10617.9 | 2699.6 | 1952.5 | 1815.2 | 1909.6 | 1890.7 | 1748.2 | 1614.2 | 1538.7 |
| 18883.1 | 57.5° | 15950.0 | 11227.5 | 2644.6 | 1792.8 | 1712.1 | 1842.6 | 1770.5 | 1612.5 | 1535.2 | 1478.6 |
| 20193.4 | 60° | 17110.9 | 12184.0 | 2526.1 | 1595.3 | 1614.2 | 1743.0 | 1619.4 | 1554.1 | 1470.0 | 1406.4 |
| 22158.0 | 62.5° | 19039.4 | 13968.3 | 2335.5 | 1399.6 | 1499.2 | 1595.3 | 1547.3 | 1482.0 | 1396.1 | 1334.3 |
| 25516.9 | 65° | 21890.1 | 16448.0 | 1976.6 | 1246.7 | 1370.4 | 1451.1 | 1470.0 | 1404.7 | 1315.4 | 1250.2 |
| 28460.3 | 67.5° | 24294.2 | 18003.9 | 1495.7 | 1119.7 | 1238.2 | 1334.3 | 1387.6 | 1324.0 | 1229.6 | 1166.0 |
| 29149.0 | 70° | 24162.0 | 16873.9 | 1142.0 | 994.3 | 1121.4 | 1219.3 | 1288.0 | 1238.2 | 1136.8 | 1076.7 |
| 26476.9 | 72.5° | 21460.7 | 14116.0 | 923.9 | 867.2 | 1002.9 | 1099.1 | 1181.5 | 1143.7 | 1040.7 | 982.3 |
| 19396.6 | 75° | 15766.3 | 10020.3 | 738.4 | 738.4 | 855.2 | 973.7 | 1064.7 | 1040.7 | 946.2 | 905.0 |
| 8143.3 | 77.5° | 6645.8 | 4203.9 | 578.7 | 613.1 | 711.0 | 836.3 | 949.7 | 958.2 | 875.8 | 927.3 |
| 2153.5 | 80° | 1767.1 | 1159.2 | 441.3 | 482.6 | 558.1 | 690.3 | 826.0 | 822.6 | 733.3 | 685.2 |
| 800.2 | 82.5° | 673.2 | 456.8 | 314.3 | 340.0 | 403.6 | 528.9 | 654.3 | 674.9 | 585.6 | 506.6 |
| 314.3 | 85° | 259.3 | 195.8 | 194.1 | 204.4 | 235.3 | 350.3 | 494.6 | 511.7 | 441.3 | 374.4 |
| 87.6 | 87.5° | 67.0 | 58.4 | 72.1 | 68.7 | 108.2 | 187.2 | 283.3 | 293.7 | 269.6 | 156.3 |
| 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

| <u>180°</u> |
|---------------|
| 4744.8 |
| 4526.7 |
| 4195.3 |
| 3893.1 |
| 3711.0 |
| 3659.5 |
| 3700.7 |
| 3759.1 |
| 3759.1 |
| 3673.2 |
| 3513.5 |
| 3304.0 |
| 3061.9 |
| 2794.0 |
| 2558.7 |
| 2452.3 |
| 2296.0 |
| 2083.1 |
| 1907.9 |
| 1791.1 |
| 1705.3 |
| 1655.4 |
| 1531.8 |
| 1473.4 |
| 1403.0 |
| 1334.3 |
| 1253.6 |
| 1167.7 |
| <i>1081.9</i> |
| 982.3 |
| 893.0 |
| 841.5 |
| 637.1 |
| 506.6 |
| 386.4 |
| 223.2 |
| 0.0 |

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