

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: P949085

Luminaire Tested: **GLAN-SB3D-940-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-940-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18732 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

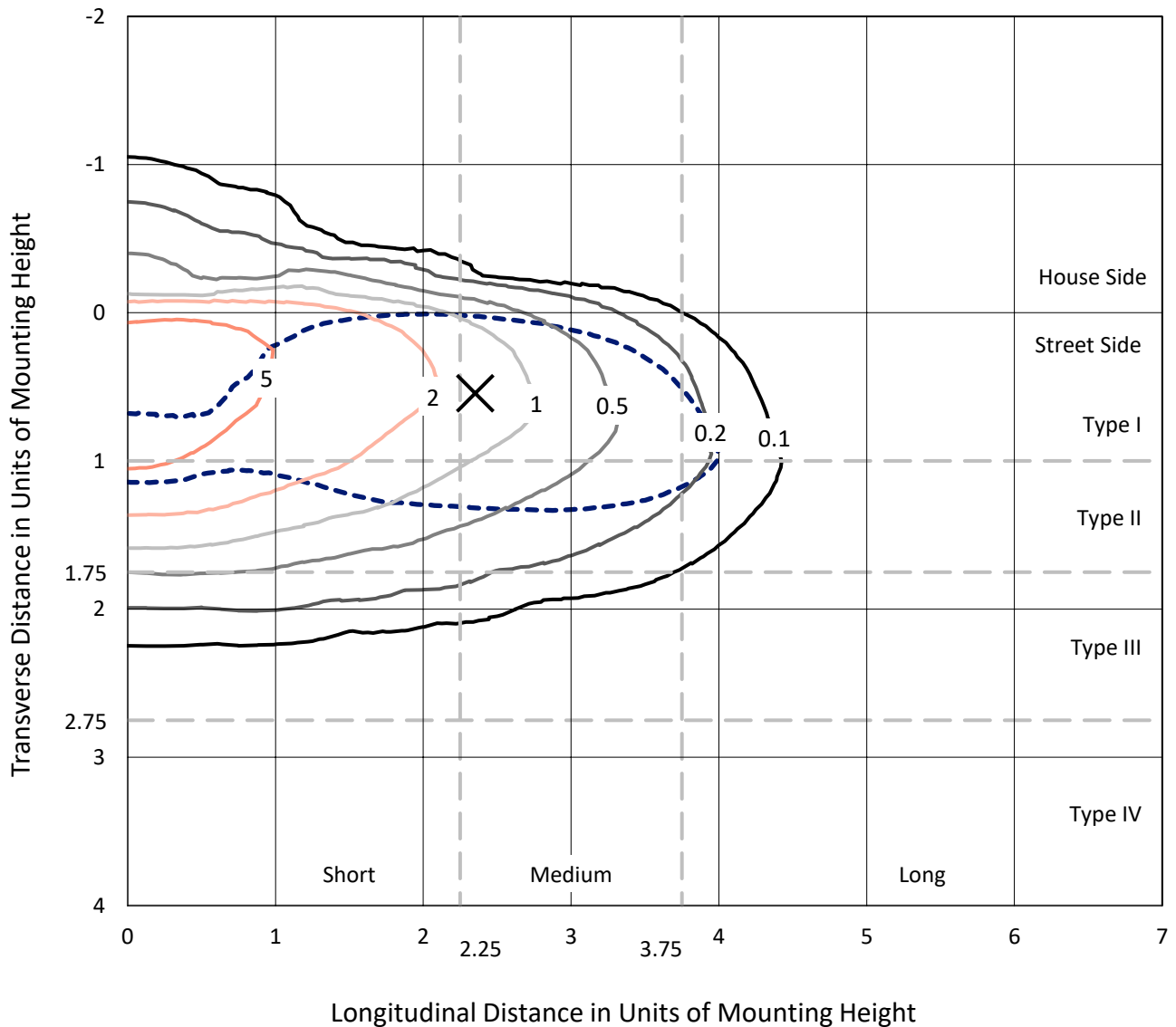
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

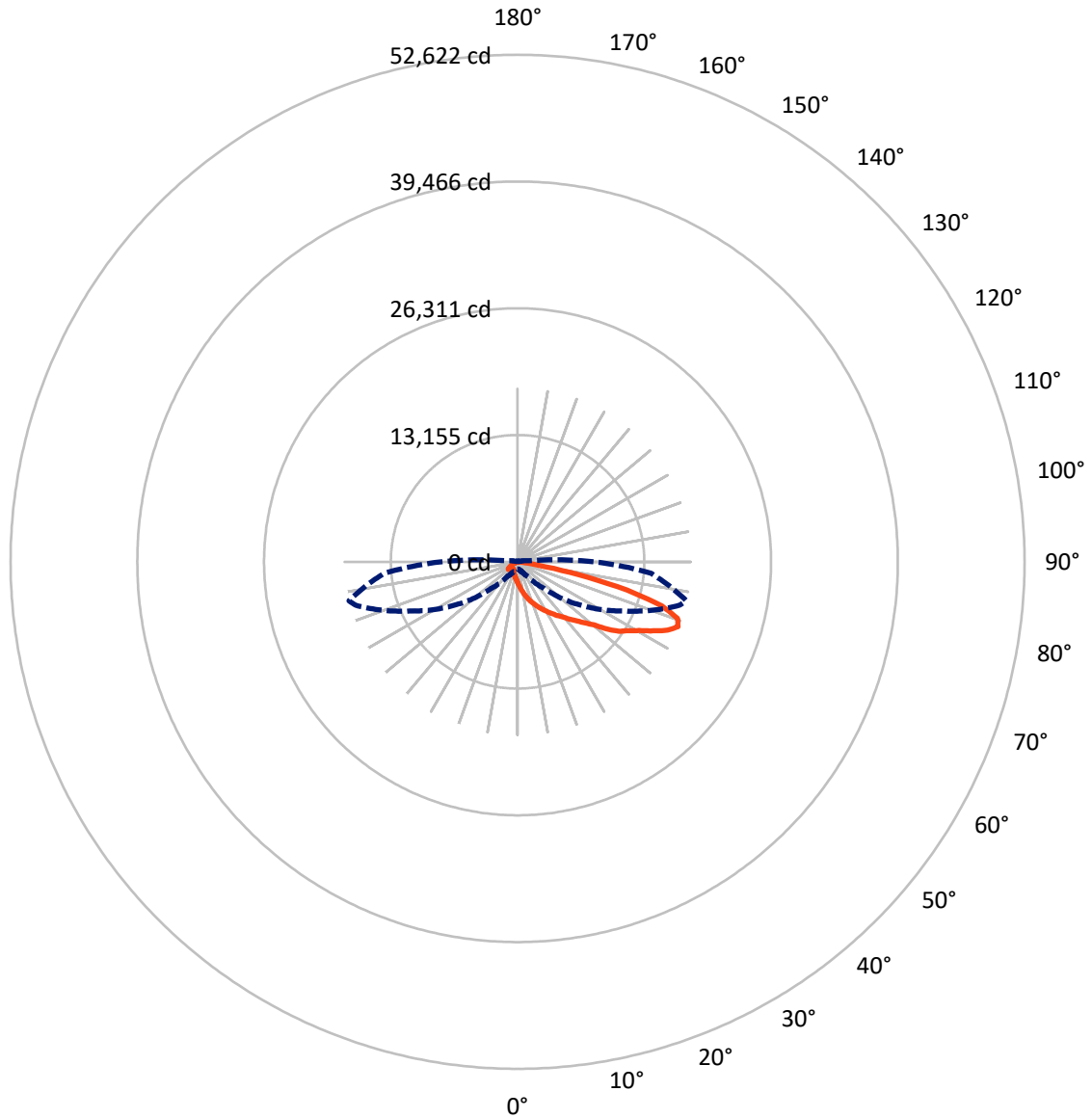
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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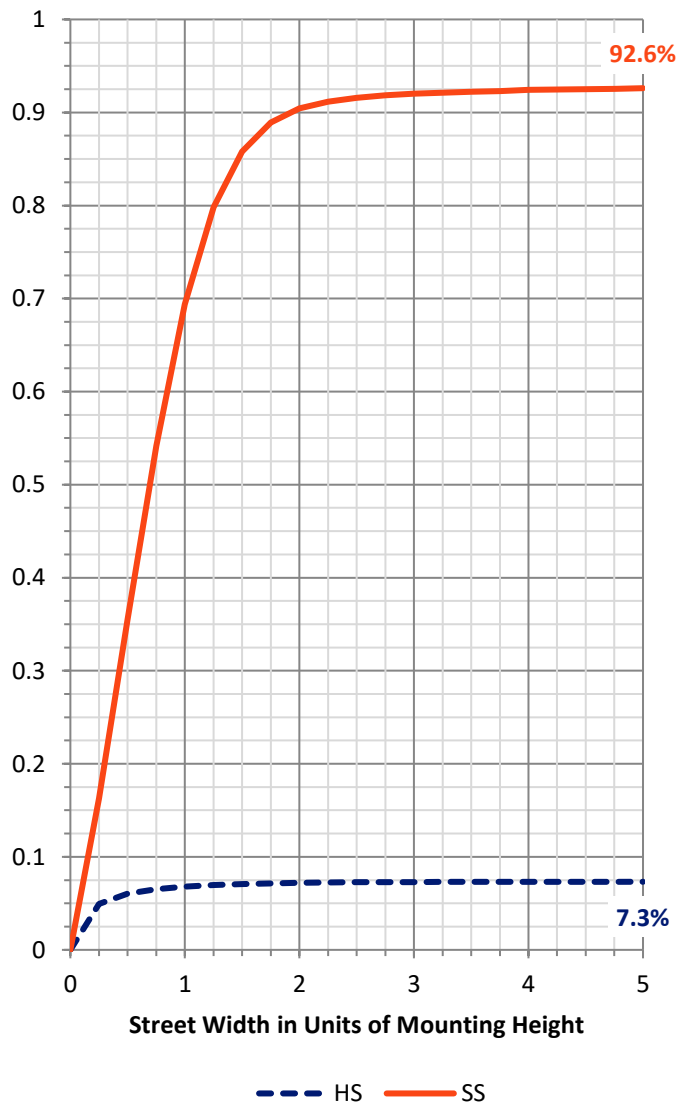
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1378.1 | 0.0 | 1378.1 |
| | % Fixture | 7.4 | 0.0 | 7.4 |
| Street Side | Lumens | 17353.9 | 0.0 | 17353.9 |
| | % Fixture | 92.6 | 0.0 | 92.6 |
| Total | Lumens | 18732.0 | 0.0 | 18732.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 220.5 | 1.2 |
| 10°-20° | 772.1 | 4.1 |
| 20°-30° | 1489.9 | 8.0 |
| 30°-40° | 2586.5 | 13.8 |
| 40°-50° | 3755.5 | 20.0 |
| 50°-60° | 4312.7 | 23.0 |
| 60°-70° | 3744.2 | 20.0 |
| 70°-80° | 1763.6 | 9.4 |
| 80°-90° | 87.2 | 0.5 |
| 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° | 18732.0 | 100.0 |
| 0°-180° | 18732.0 | 100.0 |

Coefficient of Utilization

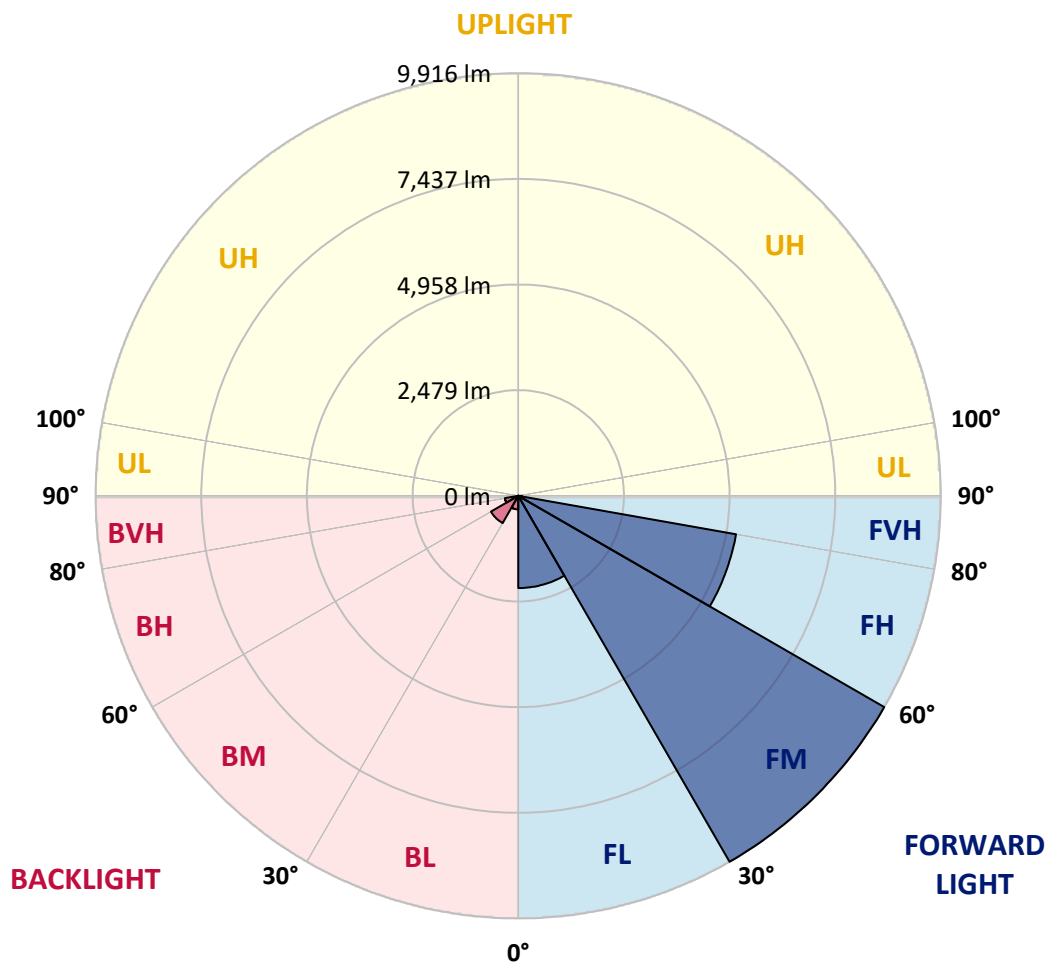


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2163.3 | 11.5 | | | |
| FM (30°-60°) | 9916.2 | 52.9 | | | |
| FH (60°-80°) | 5188.7 | 27.7 | | | G3/7500 |
| FVH (80°-90°) | 85.6 | 0.5 | | | G1/100 |
| BL (0°-30°) | 319.1 | 1.7 | B1/500 | | |
| BM (30°-60°) | 738.4 | 3.9 | B1/1000 | | |
| BH (60°-80°) | 319.1 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.6 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|--------|---------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 |
| 2.5° | 2990.6 | 3009.2 | 2982.5 | 2931.3 | 2854.5 | 2804.5 | 2682.4 | 2567.2 | 2439.2 | 2398.5 |
| 5° | 3645.5 | 3661.8 | 3631.5 | 3575.7 | 3473.3 | 3375.6 | 3215.1 | 2974.3 | 2724.2 | 2644.0 |
| 7.5° | 4130.5 | 4139.9 | 4128.2 | 4077.0 | 3979.3 | 3868.8 | 3689.7 | 3404.7 | 3033.6 | 2945.2 |
| 10° | 4479.5 | 4509.8 | 4506.3 | 4486.5 | 4421.3 | 4331.8 | 4141.0 | 3816.5 | 3380.3 | 3266.3 |
| 12.5° | 4711.0 | 4744.7 | 4764.5 | 4808.7 | 4805.2 | 4748.2 | 4580.7 | 4237.6 | 3725.8 | 3592.0 |
| 15° | 4778.5 | 4814.5 | 4890.1 | 4992.5 | 5083.2 | 5112.3 | 4994.8 | 4650.5 | 4106.1 | 3935.1 |
| 17.5° | 4740.1 | 4795.9 | 4886.6 | 5048.3 | 5247.2 | 5378.7 | 5365.9 | 5049.5 | 4451.6 | 4256.2 |
| 20° | 4825.0 | 4878.5 | 4949.4 | 5085.5 | 5317.0 | 5555.5 | 5650.9 | 5431.0 | 4794.7 | 4590.0 |
| 22.5° | 5294.9 | 5285.6 | 5292.6 | 5314.7 | 5453.1 | 5689.2 | 5885.8 | 5777.6 | 5134.4 | 4925.0 |
| 25° | 6039.4 | 5997.5 | 5926.5 | 5806.7 | 5771.8 | 5885.8 | 6090.6 | 6084.7 | 5492.7 | 5268.2 |
| 27.5° | 6893.2 | 6886.2 | 6719.8 | 6431.4 | 6268.5 | 6224.3 | 6322.0 | 6383.7 | 5847.4 | 5607.8 |
| 30° | 7710.9 | 7729.5 | 7505.0 | 7184.0 | 6885.0 | 6711.7 | 6623.3 | 6667.5 | 6208.0 | 5974.2 |
| 32.5° | 8422.8 | 8442.6 | 8198.3 | 7822.6 | 7452.7 | 7243.3 | 7057.2 | 6947.8 | 6601.2 | 6346.5 |
| 35° | 9024.2 | 9043.9 | 8763.6 | 8348.3 | 7954.0 | 7764.4 | 7553.9 | 7254.9 | 6996.7 | 6759.4 |
| 37.5° | 9561.6 | 9555.7 | 9180.0 | 8761.3 | 8373.9 | 8223.9 | 8113.4 | 7633.0 | 7403.8 | 7174.7 |
| 40° | 9879.1 | 9903.5 | 9582.5 | 9120.7 | 8745.0 | 8635.6 | 8628.7 | 8101.7 | 7873.7 | 7651.6 |
| 42.5° | 9972.2 | 10015.2 | 9782.6 | 9403.4 | 9062.5 | 8943.9 | 9126.5 | 8608.9 | 8420.5 | 8204.1 |
| 45° | 9804.7 | 9846.5 | 9740.7 | 9477.8 | 9278.9 | 9202.1 | 9554.6 | 9134.7 | 9004.4 | 8790.4 |
| 47.5° | 9316.1 | 9368.5 | 9394.1 | 9338.2 | 9335.9 | 9413.8 | 9938.4 | 9688.3 | 9697.7 | 9479.0 |
| 50° | 8370.4 | 8458.8 | 8693.8 | 8891.6 | 9197.5 | 9581.3 | 10311.8 | 10288.6 | 10479.3 | 10290.9 |
| 52.5° | 6651.2 | 6776.8 | 7586.4 | 8127.3 | 8814.8 | 9549.9 | 10722.4 | 11251.7 | 11850.8 | 11575.1 |
| 55° | 5344.9 | 5344.9 | 6003.3 | 7015.3 | 8068.0 | 9342.9 | 10901.6 | 11877.5 | 12784.8 | 12719.7 |
| 57.5° | 4357.4 | 4409.7 | 4829.6 | 5724.1 | 6987.4 | 8849.7 | 11012.1 | 12270.7 | 13537.4 | 13489.7 |
| 60° | 2689.3 | 2802.2 | 3595.5 | 4478.3 | 5757.9 | 7971.5 | 10942.3 | 12668.5 | 14450.5 | 14488.9 |
| 62.5° | 1514.5 | 1556.4 | 1910.0 | 3222.1 | 4477.2 | 6790.8 | 10408.4 | 12890.7 | 15618.4 | 15781.2 |
| 65° | 1045.7 | 1066.7 | 1202.8 | 2005.4 | 3103.4 | 5406.6 | 9365.0 | 12752.2 | 16788.6 | 17117.8 |
| 67.5° | 759.6 | 770.0 | 855.0 | 1224.9 | 1841.4 | 3920.0 | 7729.5 | 12054.3 | 17408.6 | 17958.7 |
| 70° | 583.9 | 590.9 | 652.6 | 804.9 | 1087.6 | 2419.5 | 5613.6 | 10666.6 | 16959.6 | 17616.8 |
| 72.5° | 474.6 | 481.6 | 529.3 | 595.6 | 721.2 | 1430.7 | 3402.4 | 8662.4 | 14977.5 | 15687.0 |
| 75° | 400.1 | 409.4 | 452.5 | 495.5 | 565.3 | 918.9 | 1595.9 | 6032.4 | 11263.3 | 11728.6 |
| 77.5° | 222.2 | 204.7 | 367.6 | 410.6 | 476.9 | 581.6 | 746.8 | 3550.1 | 6308.1 | 6437.2 |
| 80° | 138.4 | 143.1 | 292.0 | 330.4 | 366.4 | 293.1 | 342.0 | 1366.8 | 2186.8 | 2077.5 |
| 82.5° | 8.1 | 18.6 | 224.5 | 238.5 | 251.3 | 125.6 | 129.1 | 464.1 | 526.9 | 483.9 |
| 85° | 0.0 | 0.0 | 102.4 | 82.6 | 87.2 | 36.1 | 37.2 | 108.2 | 71.0 | 76.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 3.5 | 7.0 | 9.3 | 3.5 | 4.7 |
| 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° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2160.1 | 0° | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 | 2160.1 |
| 2270.6 | 2.5° | 2189.2 | 2107.7 | 1942.6 | 1780.9 | 1649.4 | 1527.3 | 1440.0 | 1357.5 | 1315.6 | 1313.3 |
| 2417.1 | 5° | 2255.5 | 2084.5 | 1754.1 | 1462.2 | 1227.2 | 1038.7 | 916.6 | 829.4 | 785.2 | 770.0 |
| 2597.4 | 7.5° | 2348.5 | 2091.4 | 1588.9 | 1183.0 | 906.1 | 744.5 | 674.7 | 646.7 | 637.4 | 627.0 |
| 2801.0 | 10° | 2466.0 | 2107.7 | 1441.2 | 952.7 | 714.2 | 632.8 | 604.9 | 593.2 | 586.3 | 579.3 |
| 3030.2 | 12.5° | 2597.4 | 2122.9 | 1294.6 | 791.0 | 628.1 | 586.3 | 566.5 | 552.5 | 543.2 | 535.1 |
| 3265.1 | 15° | 2725.4 | 2132.2 | 1142.3 | 678.1 | 583.9 | 550.2 | 529.3 | 514.1 | 501.3 | 492.0 |
| 3495.4 | 17.5° | 2852.2 | 2145.0 | 999.2 | 610.7 | 547.9 | 514.1 | 493.2 | 474.6 | 464.1 | 453.7 |
| 3737.4 | 20° | 2992.9 | 2142.6 | 864.3 | 563.0 | 511.8 | 478.1 | 456.0 | 438.5 | 428.1 | 416.4 |
| 3993.3 | 22.5° | 3123.2 | 2131.0 | 745.6 | 522.3 | 474.6 | 442.0 | 417.6 | 400.1 | 389.7 | 380.4 |
| 4255.0 | 25° | 3273.3 | 2121.7 | 646.7 | 485.1 | 439.7 | 407.1 | 380.4 | 364.1 | 352.5 | 344.3 |
| 4517.9 | 27.5° | 3417.5 | 2107.7 | 574.6 | 451.3 | 406.0 | 374.6 | 349.0 | 330.4 | 319.9 | 314.1 |
| 4788.9 | 30° | 3559.4 | 2104.2 | 547.9 | 418.8 | 375.7 | 344.3 | 318.7 | 301.3 | 293.1 | 290.8 |
| 5086.7 | 32.5° | 3730.4 | 2113.5 | 559.5 | 407.1 | 347.8 | 316.4 | 292.0 | 279.2 | 271.0 | 271.0 |
| 5418.2 | 35° | 3913.0 | 2111.2 | 577.0 | 417.6 | 329.2 | 288.5 | 269.9 | 261.7 | 253.6 | 253.6 |
| 5785.8 | 37.5° | 4142.2 | 2114.7 | 590.9 | 435.0 | 322.2 | 265.2 | 254.7 | 244.3 | 239.6 | 239.6 |
| 6188.3 | 40° | 4484.2 | 2229.9 | 583.9 | 450.2 | 319.9 | 248.9 | 228.0 | 224.5 | 221.0 | 221.0 |
| 6643.1 | 42.5° | 4902.9 | 2480.0 | 593.2 | 451.3 | 318.7 | 237.3 | 209.4 | 216.4 | 208.2 | 207.1 |
| 7156.0 | 45° | 5361.2 | 2753.3 | 652.6 | 426.9 | 317.6 | 231.5 | 200.1 | 208.2 | 195.4 | 195.4 |
| 7750.4 | 47.5° | 5816.0 | 3024.3 | 713.0 | 392.0 | 314.1 | 230.3 | 191.9 | 187.3 | 183.8 | 184.9 |
| 8525.1 | 50° | 6443.0 | 3245.3 | 736.3 | 344.3 | 305.9 | 228.0 | 176.8 | 178.0 | 175.6 | 178.0 |
| 9617.4 | 52.5° | 7125.8 | 3291.9 | 708.4 | 290.8 | 282.7 | 221.0 | 166.3 | 171.0 | 169.8 | 172.2 |
| 10386.3 | 55° | 7551.5 | 3241.9 | 585.1 | 241.9 | 246.6 | 193.1 | 155.9 | 165.2 | 165.2 | 165.2 |
| 11137.7 | 57.5° | 7991.2 | 3029.0 | 415.3 | 196.6 | 204.7 | 158.2 | 146.6 | 159.4 | 158.2 | 157.0 |
| 12042.7 | 60° | 8307.6 | 2684.7 | 273.4 | 161.7 | 162.8 | 130.3 | 136.1 | 150.1 | 148.9 | 143.1 |
| 12975.6 | 62.5° | 8543.8 | 2304.3 | 175.6 | 137.3 | 124.5 | 117.5 | 124.5 | 136.1 | 131.4 | 118.6 |
| 13766.6 | 65° | 8517.0 | 1777.4 | 134.9 | 117.5 | 102.4 | 102.4 | 108.2 | 118.6 | 104.7 | 83.8 |
| 13917.8 | 67.5° | 8020.3 | 1202.8 | 111.7 | 98.9 | 86.1 | 84.9 | 89.6 | 98.9 | 89.6 | 71.0 |
| 13143.1 | 70° | 7132.8 | 786.3 | 89.6 | 76.8 | 68.6 | 62.8 | 72.1 | 84.9 | 75.6 | 57.0 |
| 11188.9 | 72.5° | 5789.3 | 479.2 | 67.5 | 55.8 | 50.0 | 40.7 | 57.0 | 69.8 | 60.5 | 41.9 |
| 7780.7 | 75° | 3745.5 | 244.3 | 46.5 | 36.1 | 26.8 | 24.4 | 41.9 | 52.3 | 41.9 | 25.6 |
| 3452.4 | 77.5° | 1433.1 | 102.4 | 25.6 | 16.3 | 14.0 | 11.6 | 23.3 | 31.4 | 17.4 | 5.8 |
| 668.8 | 80° | 275.7 | 43.0 | 12.8 | 8.1 | 7.0 | 4.7 | 3.5 | 2.3 | 0.0 | 0.0 |
| 118.6 | 82.5° | 47.7 | 14.0 | 4.7 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23.3 | 85° | 16.3 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.1 | 87.5° | 5.8 | 0.0 | 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° |
| <hr/> |
| 2160.1 |
| 1310.9 |
| 767.7 |
| 624.6 |
| 577.0 |
| 532.7 |
| 490.9 |
| 452.5 |
| 415.3 |
| 379.2 |
| 343.1 |
| 314.1 |
| 289.6 |
| 271.0 |
| 253.6 |
| 239.6 |
| 221.0 |
| 205.9 |
| 195.4 |
| 184.9 |
| 178.0 |
| 172.2 |
| 165.2 |
| 157.0 |
| 143.1 |
| 116.3 |
| 81.4 |
| 68.6 |
| 54.7 |
| 39.5 |
| 22.1 |
| 4.7 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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