

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: P945309

Luminaire Tested: **GLAN-SB1B-750-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-750-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4961 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

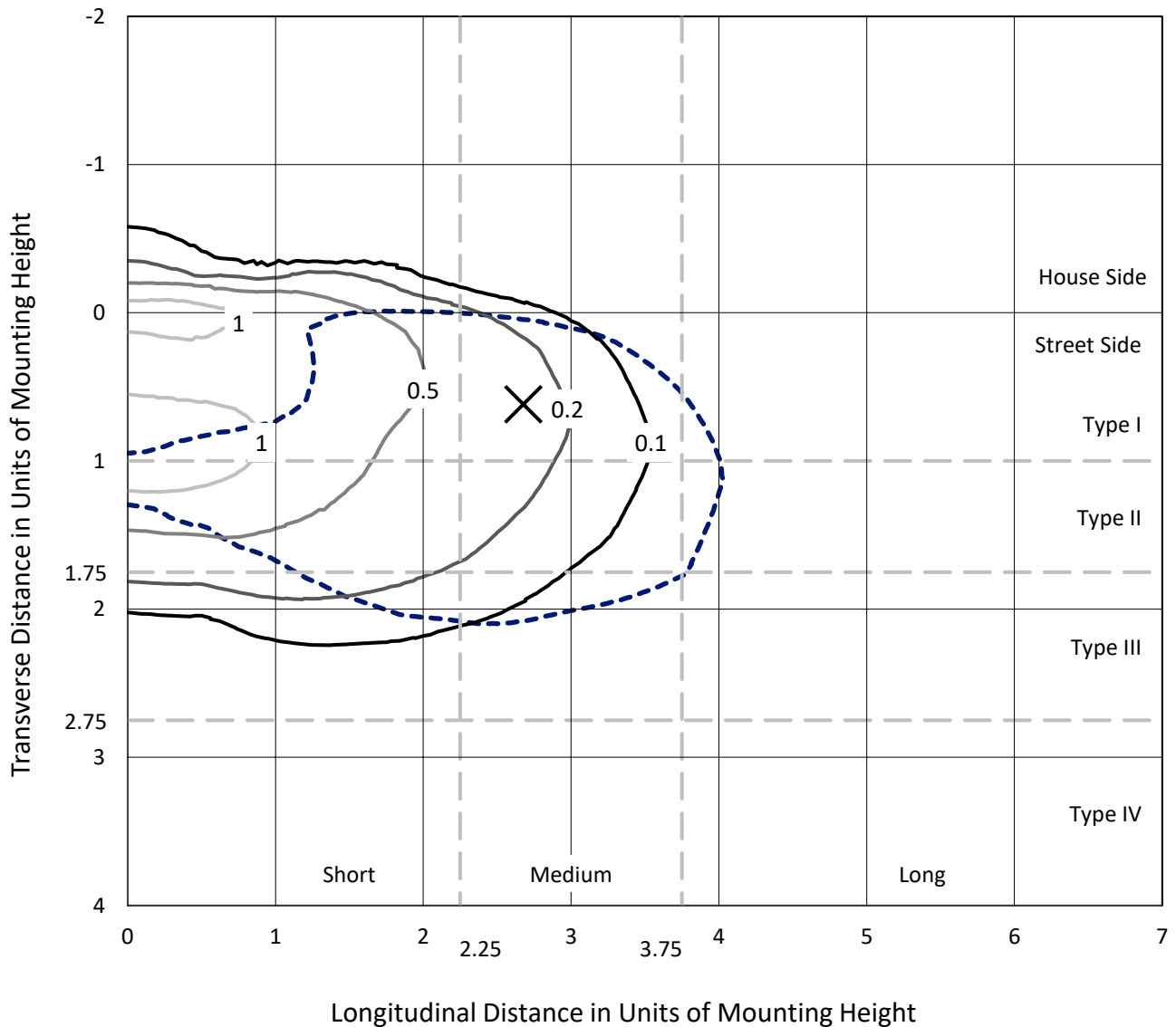
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

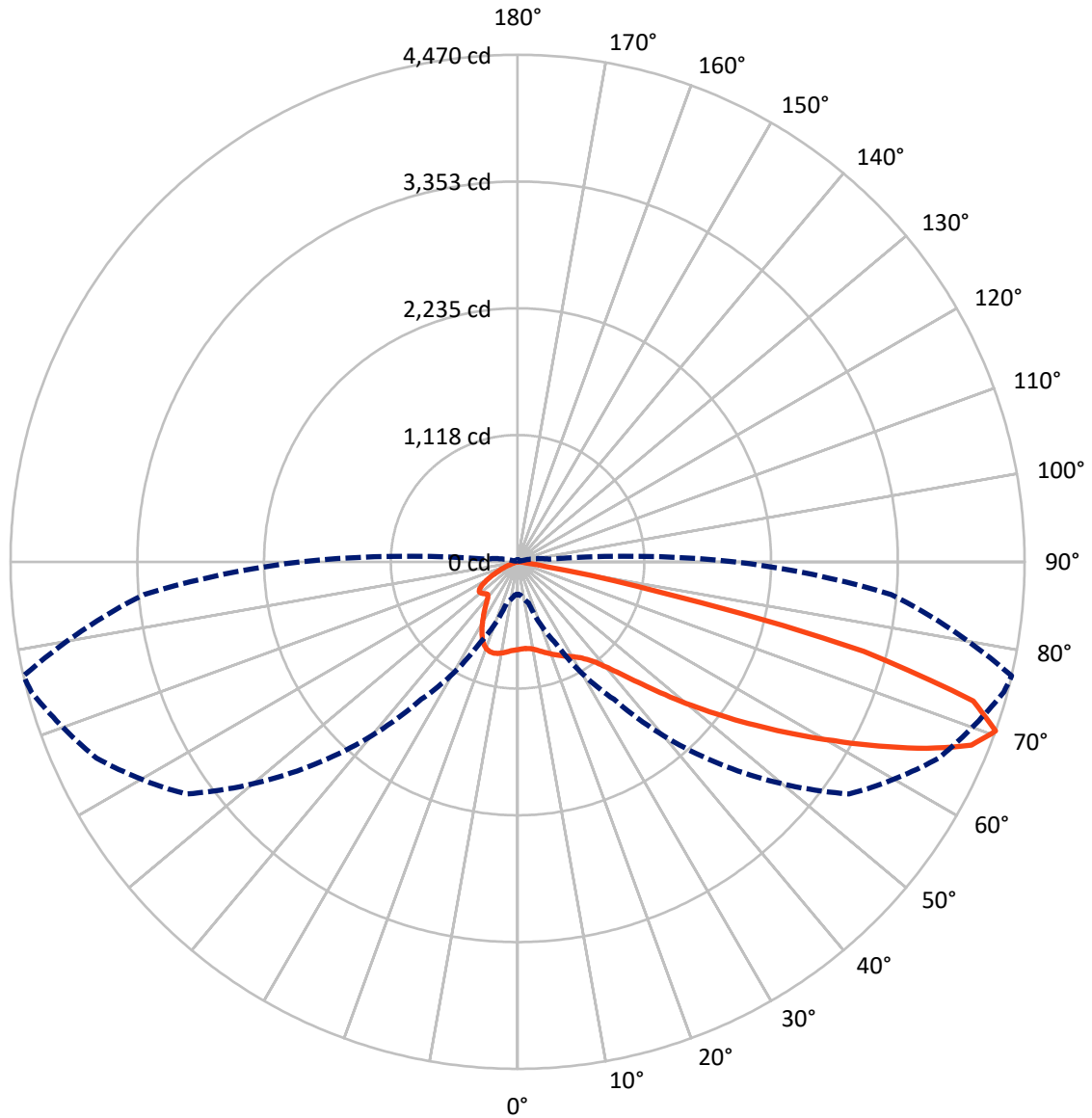
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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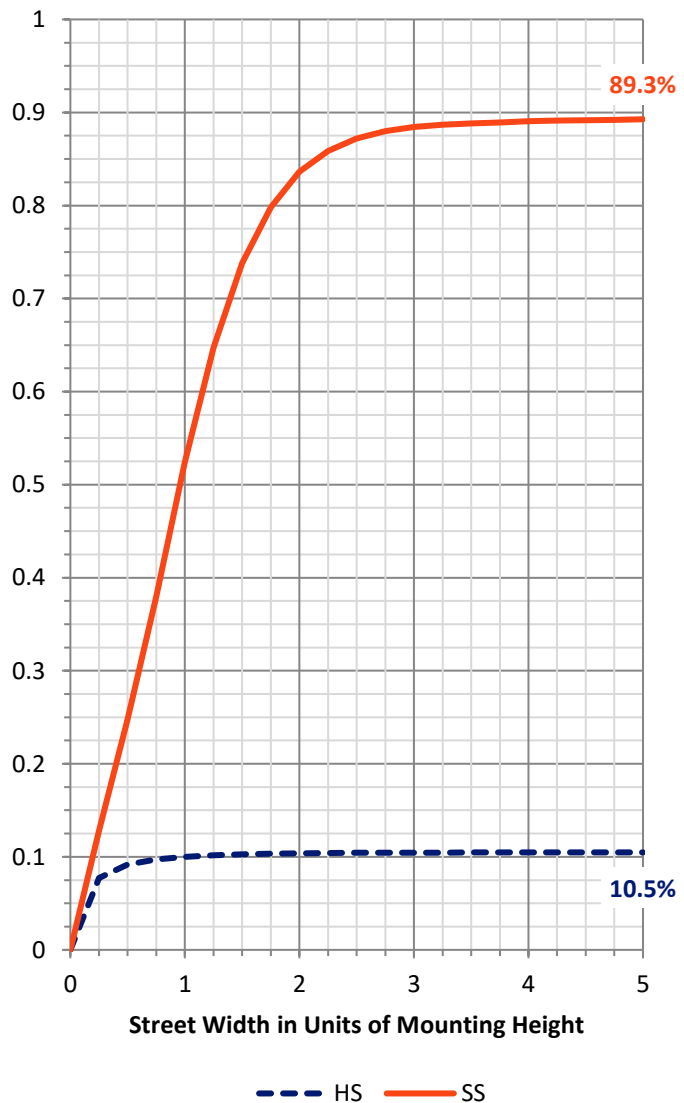
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 523.0 | 0.0 | 523.0 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| Street Side | Lumens | 4438.0 | 0.0 | 4438.0 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| Total | Lumens | 4961.0 | 0.0 | 4961.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 66.7 | 1.3 |
| 10°-20° | 158.3 | 3.2 |
| 20°-30° | 244.9 | 4.9 |
| 30°-40° | 444.3 | 9.0 |
| 40°-50° | 838.7 | 16.9 |
| 50°-60° | 1211.9 | 24.4 |
| 60°-70° | 1290.0 | 26.0 |
| 70°-80° | 683.6 | 13.8 |
| 80°-90° | 22.4 | 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° | 4961.0 | 100.0 |
| 0°-180° | 4961.0 | 100.0 |

Coefficient of Utilization

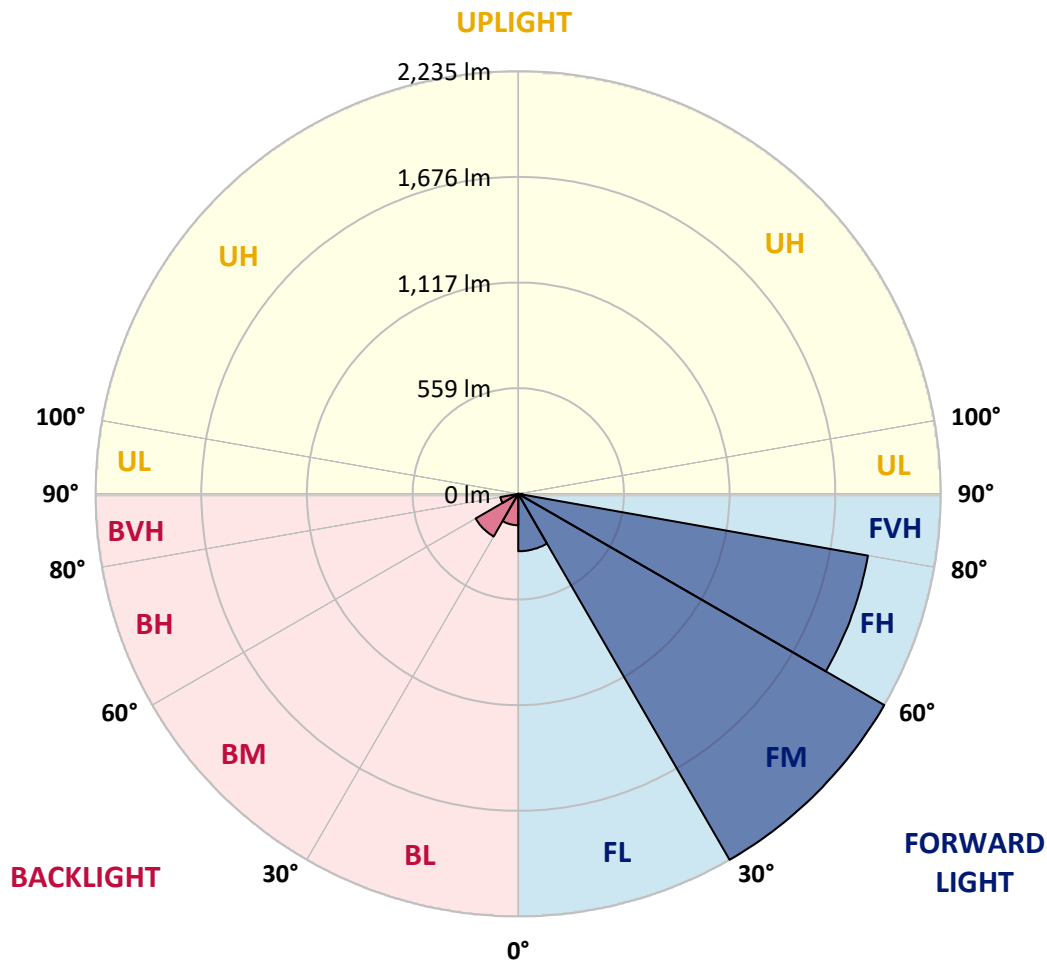


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 303.7 | 6.1 | | | |
| FM (30°-60°) | 2234.7 | 45.0 | | | |
| FH (60°-80°) | 1877.8 | 37.9 | | | G2/5000 |
| FVH (80°-90°) | 21.8 | 0.4 | | | G1/100 |
| BL (0°-30°) | 166.2 | 3.3 | B1/500 | | |
| BM (30°-60°) | 260.3 | 5.2 | B1/1000 | | |
| BH (60°-80°) | 95.9 | 1.9 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.6 | 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-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 |
| 2.5° | 726.5 | 733.1 | 732.2 | 736.5 | 738.1 | 744.4 | 750.6 | 759.1 | 768.5 | 768.2 |
| 5° | 685.5 | 692.1 | 693.6 | 699.6 | 707.1 | 716.8 | 729.7 | 746.6 | 764.1 | 766.9 |
| 7.5° | 636.9 | 643.8 | 647.9 | 659.8 | 673.6 | 693.6 | 714.6 | 739.4 | 768.5 | 772.6 |
| 10° | 588.4 | 594.6 | 600.0 | 616.9 | 638.8 | 668.6 | 702.7 | 738.4 | 777.6 | 783.5 |
| 12.5° | 558.3 | 564.2 | 570.2 | 584.9 | 612.2 | 648.5 | 694.9 | 742.8 | 792.6 | 801.1 |
| 15° | 547.6 | 553.0 | 557.7 | 570.8 | 596.2 | 637.5 | 693.3 | 751.9 | 811.7 | 823.0 |
| 17.5° | 549.2 | 552.0 | 555.1 | 565.2 | 589.9 | 632.5 | 696.1 | 767.6 | 834.3 | 844.3 |
| 20° | 558.3 | 559.8 | 560.2 | 567.1 | 589.0 | 631.9 | 701.8 | 782.6 | 855.6 | 869.1 |
| 22.5° | 569.9 | 570.5 | 569.9 | 574.6 | 594.9 | 636.6 | 709.3 | 800.8 | 879.4 | 891.9 |
| 25° | 624.1 | 612.2 | 597.1 | 588.0 | 605.0 | 645.7 | 720.6 | 825.2 | 905.4 | 917.6 |
| 27.5° | 792.3 | 758.2 | 704.3 | 643.8 | 625.6 | 658.8 | 736.2 | 850.0 | 931.7 | 942.7 |
| 30° | 1065.5 | 1020.7 | 929.2 | 792.9 | 692.1 | 686.4 | 756.6 | 874.7 | 959.6 | 971.5 |
| 32.5° | 1339.3 | 1328.3 | 1222.8 | 1034.2 | 841.5 | 747.8 | 790.4 | 908.2 | 996.6 | 1006.0 |
| 35° | 1616.3 | 1594.0 | 1507.6 | 1321.1 | 1071.8 | 872.8 | 846.8 | 952.1 | 1045.1 | 1055.8 |
| 37.5° | 1828.4 | 1814.9 | 1761.3 | 1607.8 | 1345.0 | 1065.8 | 943.3 | 1020.1 | 1115.6 | 1127.5 |
| 40° | 2015.7 | 2009.4 | 1991.3 | 1890.1 | 1650.4 | 1318.3 | 1093.4 | 1125.3 | 1213.4 | 1227.5 |
| 42.5° | 2163.0 | 2177.7 | 2188.0 | 2159.8 | 1965.3 | 1606.6 | 1295.1 | 1273.2 | 1349.7 | 1364.1 |
| 45° | 2313.6 | 2318.7 | 2360.3 | 2401.1 | 2277.9 | 1907.9 | 1522.6 | 1446.5 | 1519.1 | 1537.0 |
| 47.5° | 2410.5 | 2430.5 | 2503.8 | 2575.6 | 2540.8 | 2206.8 | 1767.0 | 1651.0 | 1715.6 | 1749.1 |
| 50° | 2417.7 | 2455.6 | 2556.4 | 2681.4 | 2732.2 | 2491.3 | 2032.6 | 1884.1 | 1952.7 | 1989.7 |
| 52.5° | 2297.7 | 2356.6 | 2512.9 | 2695.9 | 2835.6 | 2732.2 | 2307.4 | 2117.2 | 2205.2 | 2253.5 |
| 55° | 1761.6 | 1838.7 | 2349.0 | 2617.5 | 2839.7 | 2914.9 | 2574.9 | 2360.0 | 2486.6 | 2541.1 |
| 57.5° | 1534.8 | 1573.7 | 1846.8 | 2481.6 | 2764.2 | 2988.5 | 2816.8 | 2591.2 | 2792.7 | 2860.3 |
| 60° | 1277.0 | 1328.0 | 1548.9 | 2259.1 | 2661.7 | 2995.7 | 3030.5 | 2889.5 | 3124.4 | 3200.6 |
| 62.5° | 867.8 | 923.3 | 1142.9 | 1876.9 | 2521.7 | 2992.2 | 3205.6 | 3196.5 | 3493.2 | 3575.0 |
| 65° | 537.6 | 572.4 | 717.1 | 1532.6 | 2325.9 | 2996.0 | 3388.9 | 3569.3 | 3882.3 | 3965.3 |
| 67.5° | 424.8 | 440.8 | 516.3 | 1176.7 | 1988.5 | 2911.4 | 3571.8 | 3919.9 | 4248.5 | 4314.3 |
| 70° | 285.4 | 295.1 | 375.6 | 788.9 | 1479.4 | 2521.0 | 3568.4 | 4096.0 | 4437.1 | 4470.0 |
| 72.5° | 150.4 | 157.9 | 219.6 | 365.3 | 893.5 | 1792.0 | 3007.9 | 3885.4 | 4249.5 | 4200.0 |
| 75° | 75.2 | 87.7 | 147.9 | 185.5 | 381.6 | 999.4 | 1867.8 | 3063.4 | 3344.7 | 3153.0 |
| 77.5° | 57.0 | 68.9 | 122.2 | 122.2 | 132.8 | 336.5 | 791.1 | 1670.8 | 1541.1 | 1283.2 |
| 80° | 36.3 | 47.0 | 106.8 | 92.4 | 55.5 | 85.5 | 206.1 | 468.1 | 327.4 | 249.1 |
| 82.5° | 21.3 | 30.7 | 89.0 | 61.1 | 31.0 | 31.6 | 58.3 | 99.6 | 84.9 | 66.1 |
| 85° | 8.5 | 20.1 | 61.1 | 24.1 | 12.2 | 7.8 | 17.5 | 21.3 | 17.5 | 13.2 |
| 87.5° | 0.0 | 4.7 | 10.7 | 0.0 | 0.9 | 0.6 | 1.3 | 1.6 | 1.6 | 1.3 |
| 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 773.8 | 0° | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 | 773.8 |
| 774.5 | 2.5° | 777.3 | 777.9 | 779.8 | 780.1 | 775.7 | 770.1 | 767.9 | 766.9 | 763.2 | 762.9 |
| 779.5 | 5° | 786.7 | 789.5 | 786.7 | 778.5 | 759.1 | 731.8 | 711.2 | 694.3 | 678.9 | 674.2 |
| 796.7 | 7.5° | 805.5 | 808.3 | 799.8 | 767.9 | 719.0 | 664.8 | 615.9 | 581.5 | 550.5 | 538.9 |
| 817.7 | 10° | 832.4 | 836.2 | 809.5 | 745.0 | 658.5 | 571.4 | 488.7 | 430.5 | 385.0 | 366.5 |
| 846.2 | 12.5° | 866.2 | 867.8 | 814.9 | 710.2 | 579.9 | 455.5 | 338.4 | 276.0 | 235.6 | 220.6 |
| 880.7 | 15° | 903.5 | 901.3 | 815.5 | 662.9 | 472.8 | 322.1 | 220.9 | 181.4 | 165.1 | 160.1 |
| 915.1 | 17.5° | 942.7 | 933.6 | 803.0 | 594.6 | 355.3 | 220.2 | 163.9 | 154.5 | 151.6 | 150.4 |
| 949.3 | 20° | 981.2 | 960.9 | 780.1 | 505.3 | 255.0 | 164.5 | 148.8 | 146.0 | 144.4 | 143.8 |
| 983.7 | 22.5° | 1016.3 | 981.5 | 740.9 | 401.6 | 185.2 | 145.4 | 140.7 | 138.2 | 135.3 | 134.1 |
| 1017.3 | 25° | 1050.5 | 993.4 | 685.8 | 304.8 | 148.2 | 136.0 | 132.2 | 127.5 | 123.7 | 122.2 |
| 1053.3 | 27.5° | 1083.7 | 1001.0 | 616.9 | 225.6 | 132.2 | 127.2 | 120.3 | 113.7 | 110.9 | 110.3 |
| 1091.8 | 30° | 1119.1 | 1003.5 | 538.5 | 168.2 | 122.5 | 116.2 | 106.2 | 98.7 | 97.1 | 97.4 |
| 1143.8 | 32.5° | 1162.3 | 1007.2 | 459.6 | 137.8 | 114.4 | 103.1 | 91.2 | 83.3 | 82.1 | 83.3 |
| 1219.6 | 35° | 1214.0 | 1014.7 | 383.5 | 126.9 | 107.1 | 89.6 | 76.8 | 70.2 | 68.9 | 69.9 |
| 1316.8 | 37.5° | 1284.2 | 1027.0 | 312.4 | 124.7 | 101.2 | 78.3 | 64.5 | 59.2 | 59.2 | 59.5 |
| 1435.8 | 40° | 1377.5 | 1059.5 | 248.8 | 123.1 | 98.1 | 69.9 | 54.5 | 52.3 | 53.3 | 53.9 |
| 1587.4 | 42.5° | 1491.3 | 1128.8 | 205.8 | 121.2 | 94.6 | 66.1 | 49.5 | 48.6 | 50.1 | 50.8 |
| 1769.1 | 45° | 1618.8 | 1216.5 | 190.8 | 118.1 | 91.5 | 68.6 | 47.3 | 46.1 | 47.9 | 48.2 |
| 1972.8 | 47.5° | 1750.7 | 1302.3 | 188.9 | 114.7 | 88.3 | 72.4 | 46.7 | 43.9 | 46.1 | 46.4 |
| 2190.2 | 50° | 1884.1 | 1358.4 | 190.8 | 109.3 | 83.3 | 72.4 | 47.0 | 41.7 | 43.5 | 44.5 |
| 2415.8 | 52.5° | 2018.5 | 1384.1 | 189.5 | 97.7 | 74.6 | 68.0 | 47.0 | 39.8 | 41.7 | 42.3 |
| 2659.5 | 55° | 2148.9 | 1379.1 | 170.4 | 80.5 | 63.3 | 60.2 | 45.7 | 38.2 | 39.5 | 39.8 |
| 2889.8 | 57.5° | 2251.9 | 1309.2 | 135.0 | 62.7 | 51.4 | 50.1 | 41.7 | 36.3 | 37.3 | 37.0 |
| 3100.9 | 60° | 2305.8 | 1155.7 | 96.5 | 48.2 | 40.4 | 39.5 | 36.7 | 33.8 | 34.5 | 32.9 |
| 3279.8 | 62.5° | 2306.4 | 952.7 | 64.5 | 38.2 | 32.3 | 31.3 | 31.3 | 30.4 | 29.8 | 26.6 |
| 3418.3 | 65° | 2257.3 | 727.5 | 42.9 | 30.4 | 26.0 | 24.4 | 26.3 | 26.0 | 23.8 | 19.4 |
| 3460.6 | 67.5° | 2145.7 | 476.8 | 32.6 | 23.8 | 20.1 | 19.1 | 21.0 | 21.9 | 20.4 | 16.3 |
| 3306.5 | 70° | 1916.4 | 277.6 | 26.9 | 18.5 | 15.0 | 14.1 | 16.9 | 18.8 | 16.9 | 13.2 |
| 2826.2 | 72.5° | 1591.8 | 149.8 | 21.9 | 13.8 | 10.3 | 9.4 | 13.5 | 15.4 | 13.5 | 9.7 |
| 1813.3 | 75° | 1032.9 | 80.2 | 16.9 | 9.1 | 5.3 | 6.0 | 10.0 | 11.3 | 9.4 | 6.3 |
| 532.3 | 77.5° | 346.8 | 35.4 | 10.7 | 4.4 | 2.5 | 2.5 | 6.0 | 6.9 | 4.4 | 2.2 |
| 96.8 | 80° | 77.4 | 14.7 | 4.4 | 1.9 | 0.9 | 0.9 | 1.3 | 1.3 | 0.6 | 0.0 |
| 29.8 | 82.5° | 25.4 | 6.0 | 1.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5 | 85° | 9.7 | 2.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5 | 87.5° | 3.8 | 0.3 | 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/> |
| 773.8 |
| 763.5 |
| 671.4 |
| 534.2 |
| 358.7 |
| 215.9 |
| 160.1 |
| 150.1 |
| 143.2 |
| 133.8 |
| 121.6 |
| 109.7 |
| 97.4 |
| 83.0 |
| 69.6 |
| 59.2 |
| 53.9 |
| 50.8 |
| 48.6 |
| 46.7 |
| 44.8 |
| 42.3 |
| 39.8 |
| 37.0 |
| 32.6 |
| 25.7 |
| 18.8 |
| 16.0 |
| 12.5 |
| 9.4 |
| 5.6 |
| 1.9 |
| 0.0 |
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