

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: P946365

Luminaire Tested: **GLAN-SB2A-750-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-750-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8092 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

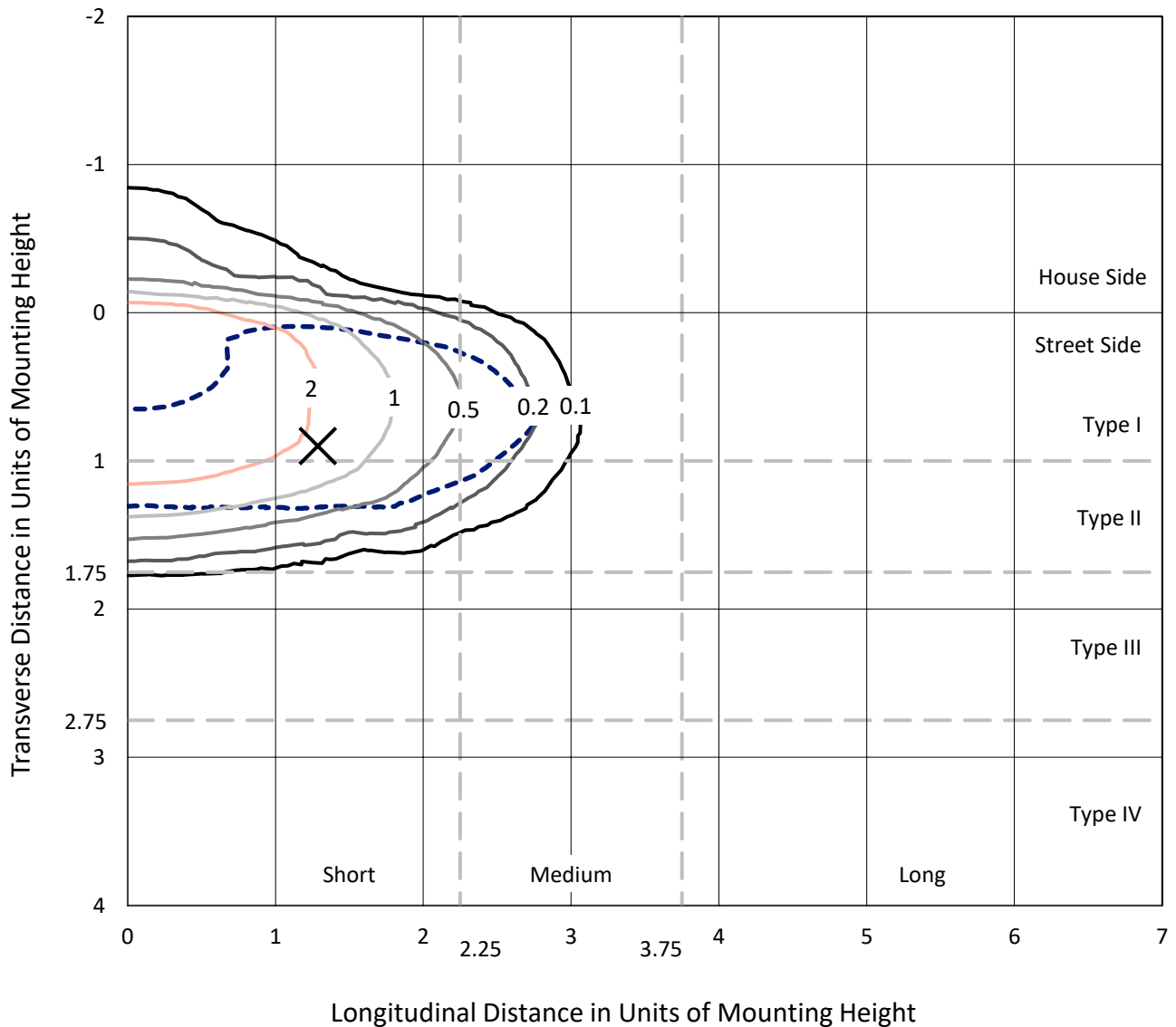
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

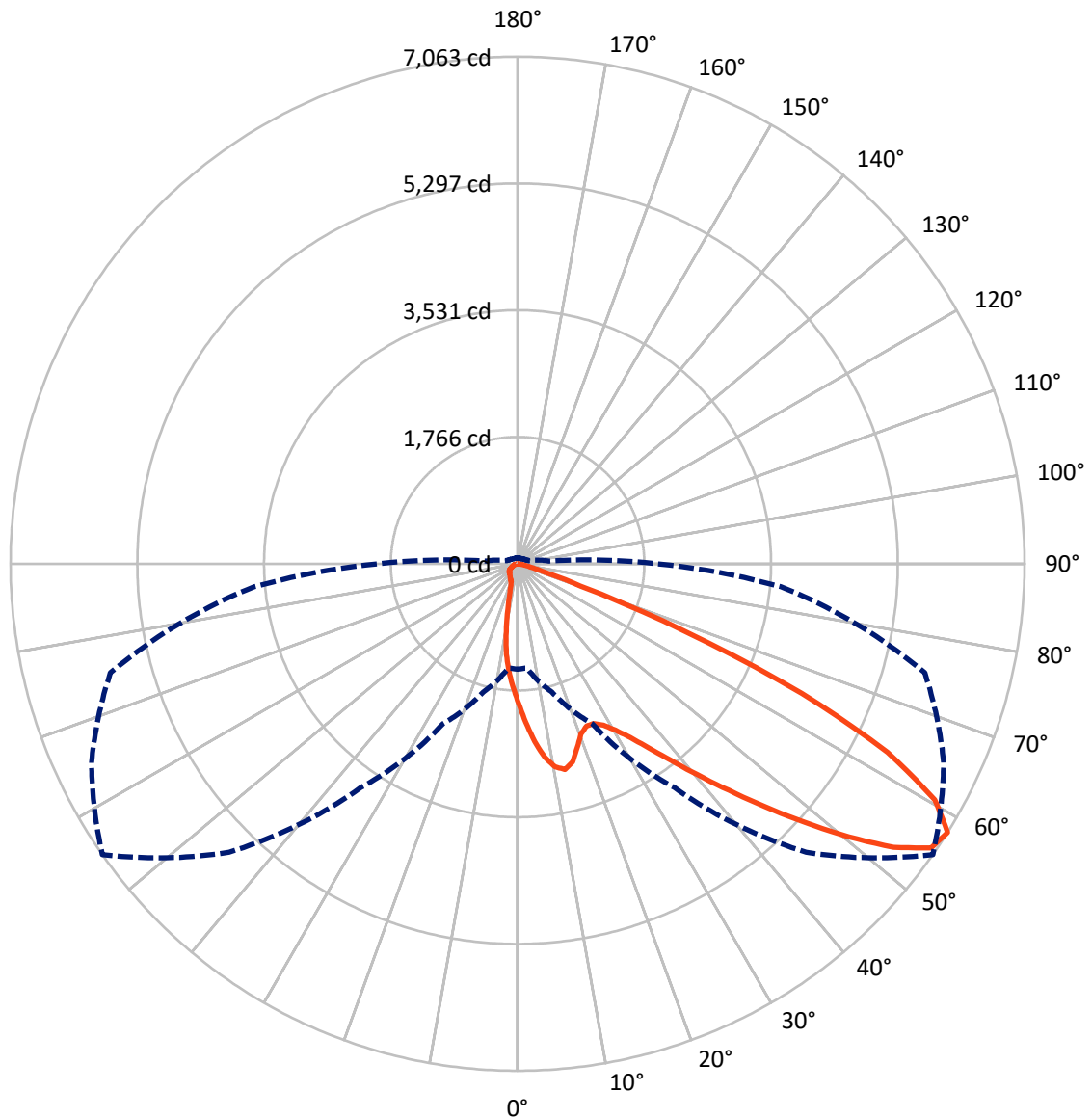
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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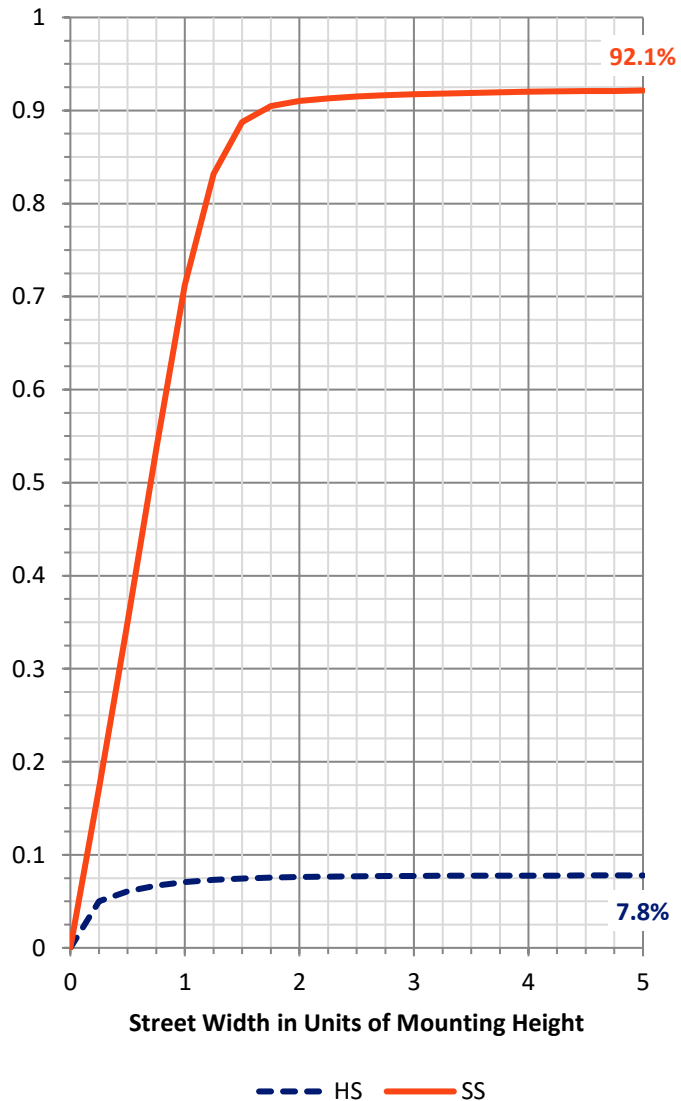
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 632.0 | 0.0 | 632.0 |
| | % Fixture | 7.8 | 0.0 | 7.8 |
| Street Side | Lumens | 7460.1 | 0.0 | 7460.1 |
| | % Fixture | 92.2 | 0.0 | 92.2 |
| Total | Lumens | 8092.0 | 0.0 | 8092.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 181.4 | 2.2 |
| 10°-20° | 438.3 | 5.4 |
| 20°-30° | 701.2 | 8.7 |
| 30°-40° | 1186.8 | 14.7 |
| 40°-50° | 1948.5 | 24.1 |
| 50°-60° | 2141.6 | 26.5 |
| 60°-70° | 1228.4 | 15.2 |
| 70°-80° | 251.0 | 3.1 |
| 80°-90° | 14.8 | 0.2 |
| 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° | 8092.0 | 100.0 |
| 0°-180° | 8092.0 | 100.0 |

Coefficient of Utilization

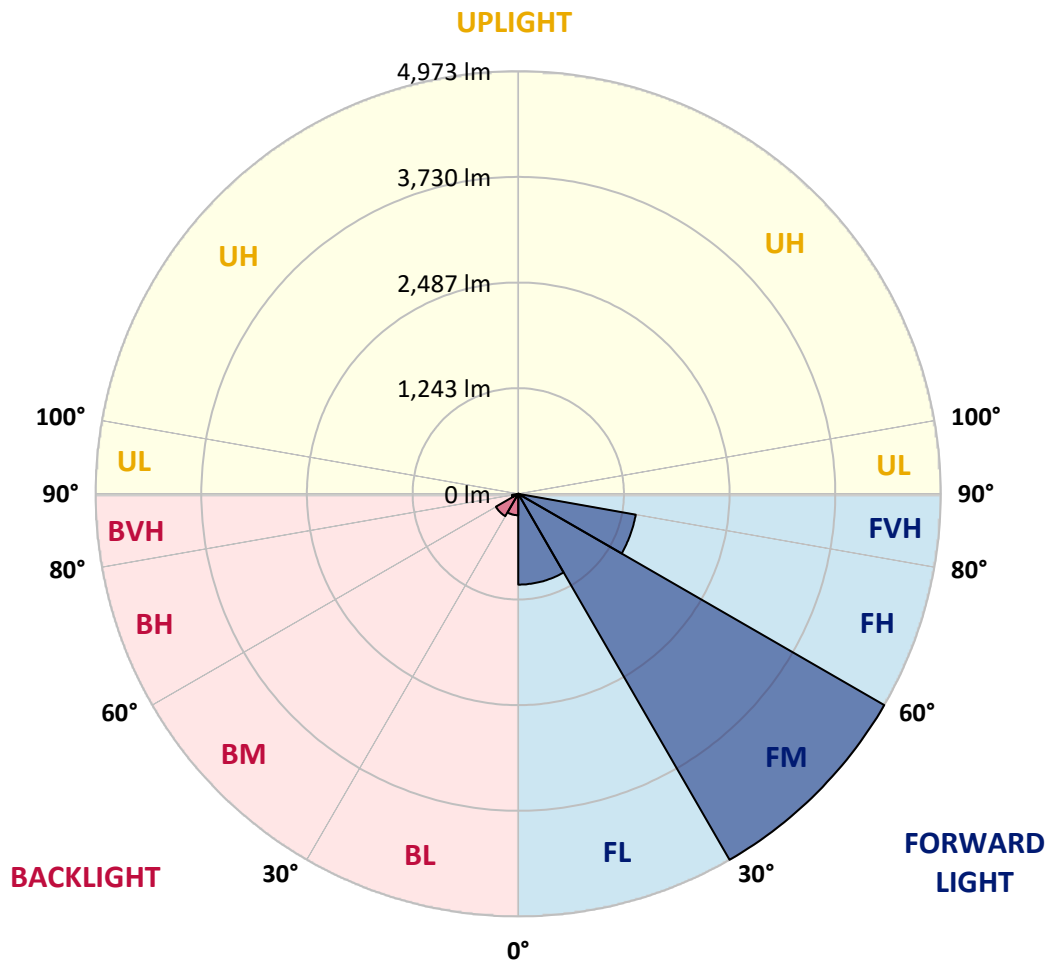


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1068.6 | 13.2 | | | |
| FM (30°-60°) | 4973.4 | 61.5 | | | |
| FH (60°-80°) | 1404.2 | 17.4 | | | G1/1800 |
| FVH (80°-90°) | 13.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 252.3 | 3.1 | B1/500 | | |
| BM (30°-60°) | 303.5 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 75.2 | 0.9 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.0 | 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-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 |
| 2.5° | 2419.5 | 2389.1 | 2384.6 | 2378.6 | 2320.7 | 2277.3 | 2214.4 | 2145.6 | 2068.2 | 1989.4 |
| 5° | 2795.2 | 2771.3 | 2766.8 | 2738.8 | 2673.0 | 2599.1 | 2487.4 | 2346.2 | 2202.0 | 2032.3 |
| 7.5° | 2868.1 | 2863.6 | 2884.0 | 2883.0 | 2874.1 | 2815.7 | 2721.4 | 2553.2 | 2336.7 | 2085.2 |
| 10° | 2543.2 | 2554.7 | 2615.6 | 2669.0 | 2813.2 | 2897.0 | 2876.6 | 2737.8 | 2475.4 | 2145.6 |
| 12.5° | 2247.4 | 2233.9 | 2277.3 | 2337.7 | 2505.3 | 2754.8 | 2940.9 | 2892.0 | 2634.1 | 2213.9 |
| 15° | 2061.7 | 2056.3 | 2080.7 | 2108.6 | 2236.4 | 2487.9 | 2866.1 | 3017.3 | 2786.7 | 2294.8 |
| 17.5° | 2002.4 | 1997.9 | 2005.4 | 2012.3 | 2095.2 | 2289.8 | 2687.9 | 3094.1 | 2932.9 | 2387.1 |
| 20° | 2050.8 | 2044.8 | 2043.8 | 2038.3 | 2072.7 | 2205.4 | 2526.8 | 3099.6 | 3064.2 | 2470.9 |
| 22.5° | 2192.0 | 2185.0 | 2160.5 | 2138.6 | 2141.6 | 2216.9 | 2454.9 | 3044.7 | 3163.0 | 2549.2 |
| 25° | 2447.9 | 2436.5 | 2385.6 | 2311.7 | 2264.8 | 2296.8 | 2465.9 | 2972.4 | 3257.3 | 2610.6 |
| 27.5° | 2768.3 | 2753.3 | 2687.9 | 2578.2 | 2470.9 | 2432.0 | 2545.2 | 2922.5 | 3335.6 | 2657.5 |
| 30° | 3082.1 | 3062.7 | 2998.3 | 2913.0 | 2756.3 | 2633.6 | 2688.4 | 2944.4 | 3428.9 | 2706.4 |
| 32.5° | 3420.9 | 3402.5 | 3317.1 | 3211.4 | 3081.6 | 2916.5 | 2884.5 | 3051.7 | 3543.2 | 2774.8 |
| 35° | 3849.5 | 3820.6 | 3699.4 | 3555.2 | 3417.4 | 3250.3 | 3150.0 | 3236.8 | 3695.4 | 2879.1 |
| 37.5° | 4337.5 | 4298.6 | 4167.9 | 3968.8 | 3789.2 | 3602.1 | 3473.3 | 3491.3 | 3918.4 | 3018.8 |
| 40° | 4797.6 | 4762.2 | 4641.4 | 4453.8 | 4228.3 | 4001.2 | 3864.0 | 3824.1 | 4226.3 | 3188.9 |
| 42.5° | 5073.5 | 5041.6 | 4990.7 | 4911.4 | 4721.2 | 4489.7 | 4316.6 | 4230.3 | 4590.5 | 3392.5 |
| 45° | 5089.0 | 5061.0 | 5129.4 | 5221.7 | 5184.3 | 5030.1 | 4819.0 | 4660.9 | 4956.3 | 3583.6 |
| 47.5° | 4841.5 | 4822.5 | 5030.1 | 5352.4 | 5513.1 | 5578.0 | 5383.4 | 5055.6 | 5258.1 | 3720.8 |
| 50° | 4166.9 | 4159.9 | 4587.0 | 5178.8 | 5638.4 | 6058.0 | 5978.7 | 5422.8 | 5492.2 | 3791.7 |
| 52.5° | 3613.0 | 3587.6 | 3836.6 | 4623.0 | 5456.2 | 6310.5 | 6560.5 | 5783.1 | 5655.8 | 3805.1 |
| 55° | 2740.3 | 2717.9 | 3030.2 | 3692.9 | 4868.9 | 6220.7 | 6986.1 | 6154.8 | 5773.1 | 3770.7 |
| 57.5° | 1470.0 | 1456.0 | 1850.7 | 2457.9 | 3806.1 | 5681.8 | 7062.9 | 6548.0 | 5871.9 | 3679.4 |
| 60° | 572.3 | 569.8 | 717.5 | 1192.5 | 2313.2 | 4622.5 | 6675.2 | 6784.0 | 5933.7 | 3567.1 |
| 62.5° | 346.3 | 353.8 | 377.7 | 535.4 | 1021.9 | 2871.6 | 5781.6 | 6515.5 | 5975.2 | 3464.3 |
| 65° | 286.4 | 286.9 | 289.9 | 367.7 | 489.5 | 1201.5 | 4352.5 | 5632.4 | 5872.9 | 3281.2 |
| 67.5° | 245.5 | 250.0 | 261.5 | 291.9 | 345.3 | 526.9 | 2505.8 | 4363.0 | 5250.7 | 2855.1 |
| 70° | 193.6 | 199.6 | 214.1 | 240.0 | 266.4 | 329.8 | 926.1 | 2903.0 | 4011.2 | 2152.1 |
| 72.5° | 163.2 | 162.7 | 170.1 | 195.1 | 211.6 | 232.0 | 356.3 | 1626.6 | 2331.2 | 1027.4 |
| 75° | 126.2 | 131.2 | 140.7 | 163.2 | 173.1 | 168.2 | 193.1 | 594.3 | 835.3 | 311.4 |
| 77.5° | 98.8 | 102.8 | 111.3 | 133.2 | 143.2 | 119.3 | 111.3 | 212.6 | 268.4 | 111.8 |
| 80° | 44.4 | 47.9 | 75.8 | 98.3 | 116.8 | 82.3 | 60.4 | 108.8 | 119.3 | 50.9 |
| 82.5° | 8.0 | 13.5 | 44.4 | 51.9 | 59.9 | 53.4 | 31.4 | 56.4 | 58.4 | 20.5 |
| 85° | 0.5 | 1.0 | 15.5 | 19.0 | 24.0 | 17.5 | 9.5 | 22.5 | 19.5 | 7.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 2.5 | 3.0 | 4.0 | 3.0 | 2.5 |
| 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):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1950.0 | 0° | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 | 1950.0 |
| 1954.5 | 2.5° | 1918.5 | 1847.7 | 1778.8 | 1722.4 | 1689.5 | 1633.6 | 1596.7 | 1590.7 | 1575.2 | 1588.7 |
| 1959.5 | 5° | 1881.6 | 1754.9 | 1626.6 | 1511.9 | 1417.6 | 1295.8 | 1205.0 | 1166.6 | 1133.2 | 1144.6 |
| 1972.4 | 7.5° | 1864.1 | 1664.1 | 1464.5 | 1268.4 | 1066.8 | 872.2 | 727.5 | 667.1 | 621.2 | 627.7 |
| 1986.9 | 10° | 1840.7 | 1569.8 | 1256.9 | 957.5 | 687.6 | 495.5 | 395.7 | 358.8 | 338.3 | 338.8 |
| 2008.4 | 12.5° | 1822.7 | 1457.0 | 1015.9 | 649.2 | 418.6 | 316.3 | 285.4 | 276.4 | 270.4 | 270.9 |
| 2040.8 | 15° | 1813.8 | 1324.3 | 777.9 | 432.6 | 299.4 | 267.9 | 260.5 | 256.5 | 252.5 | 252.0 |
| 2076.7 | 17.5° | 1798.8 | 1176.6 | 569.3 | 315.8 | 262.0 | 251.0 | 244.5 | 240.0 | 235.0 | 234.0 |
| 2107.6 | 20° | 1776.3 | 1008.9 | 416.1 | 266.9 | 245.5 | 237.0 | 228.0 | 222.0 | 216.1 | 215.1 |
| 2127.1 | 22.5° | 1734.9 | 831.8 | 319.8 | 247.0 | 233.5 | 224.0 | 213.1 | 206.1 | 200.1 | 199.1 |
| 2117.6 | 25° | 1658.1 | 665.6 | 269.4 | 234.5 | 223.0 | 211.6 | 199.6 | 190.1 | 184.6 | 183.6 |
| 2097.2 | 27.5° | 1560.8 | 522.9 | 244.5 | 223.0 | 209.6 | 199.1 | 185.6 | 176.6 | 171.6 | 170.6 |
| 2070.2 | 30° | 1446.0 | 402.7 | 230.0 | 210.1 | 193.6 | 184.6 | 172.6 | 165.2 | 162.2 | 162.2 |
| 2051.3 | 32.5° | 1322.3 | 321.8 | 224.0 | 197.1 | 179.6 | 169.6 | 160.2 | 157.2 | 156.2 | 155.7 |
| 2061.7 | 35° | 1206.0 | 279.4 | 221.0 | 186.6 | 167.2 | 157.7 | 153.7 | 154.2 | 156.2 | 156.2 |
| 2094.2 | 37.5° | 1102.7 | 266.0 | 219.5 | 179.1 | 156.2 | 147.7 | 150.2 | 154.7 | 152.7 | 152.7 |
| 2151.1 | 40° | 1009.4 | 267.4 | 218.5 | 173.6 | 147.2 | 142.2 | 147.2 | 143.7 | 138.7 | 138.2 |
| 2220.4 | 42.5° | 938.1 | 279.9 | 216.6 | 169.2 | 141.7 | 138.2 | 136.2 | 130.7 | 130.2 | 131.2 |
| 2292.3 | 45° | 886.2 | 290.9 | 216.1 | 167.2 | 135.7 | 129.2 | 126.7 | 121.2 | 131.2 | 133.7 |
| 2321.7 | 47.5° | 824.8 | 290.9 | 216.1 | 160.2 | 125.7 | 123.2 | 119.3 | 113.3 | 123.2 | 125.7 |
| 2293.8 | 50° | 745.5 | 272.4 | 207.6 | 152.2 | 117.8 | 116.3 | 109.3 | 101.8 | 99.8 | 101.3 |
| 2228.4 | 52.5° | 645.2 | 239.0 | 186.1 | 141.2 | 109.8 | 106.8 | 98.3 | 92.8 | 91.3 | 91.3 |
| 2111.1 | 55° | 530.9 | 200.1 | 157.2 | 125.2 | 101.3 | 95.8 | 89.8 | 87.3 | 85.8 | 84.8 |
| 1947.0 | 57.5° | 431.6 | 164.2 | 126.2 | 111.3 | 93.3 | 86.3 | 84.3 | 81.3 | 78.8 | 77.3 |
| 1809.8 | 60° | 354.3 | 129.2 | 104.3 | 98.8 | 85.3 | 78.8 | 78.3 | 74.3 | 67.9 | 66.9 |
| 1696.5 | 62.5° | 273.4 | 94.8 | 87.8 | 85.8 | 77.3 | 71.9 | 70.9 | 62.9 | 52.9 | 50.9 |
| 1535.8 | 65° | 193.1 | 73.8 | 70.9 | 75.3 | 68.9 | 63.9 | 61.4 | 49.4 | 38.9 | 37.4 |
| 1285.3 | 67.5° | 135.7 | 61.9 | 55.9 | 65.9 | 59.9 | 53.4 | 51.9 | 41.9 | 32.4 | 31.4 |
| 972.0 | 70° | 96.8 | 50.4 | 45.9 | 56.4 | 47.9 | 46.9 | 43.9 | 34.9 | 26.4 | 25.4 |
| 481.0 | 72.5° | 68.4 | 38.4 | 35.4 | 48.9 | 32.9 | 40.4 | 35.9 | 26.9 | 20.0 | 19.0 |
| 163.7 | 75° | 50.4 | 27.4 | 24.9 | 28.4 | 24.0 | 30.4 | 25.4 | 18.0 | 12.5 | 12.0 |
| 73.8 | 77.5° | 36.9 | 17.5 | 15.0 | 14.0 | 14.0 | 19.0 | 14.0 | 7.5 | 5.5 | 5.0 |
| 37.4 | 80° | 25.9 | 8.0 | 7.0 | 6.0 | 5.5 | 4.5 | 2.0 | 1.0 | 0.5 | 0.5 |
| 13.0 | 82.5° | 15.5 | 3.5 | 3.5 | 2.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5.0 | 85° | 3.5 | 1.5 | 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.0 | 87.5° | 0.5 | 0.5 | 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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