

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: P413890

Luminaire Tested: **LXF.LXT-PA1-100-750-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10041 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

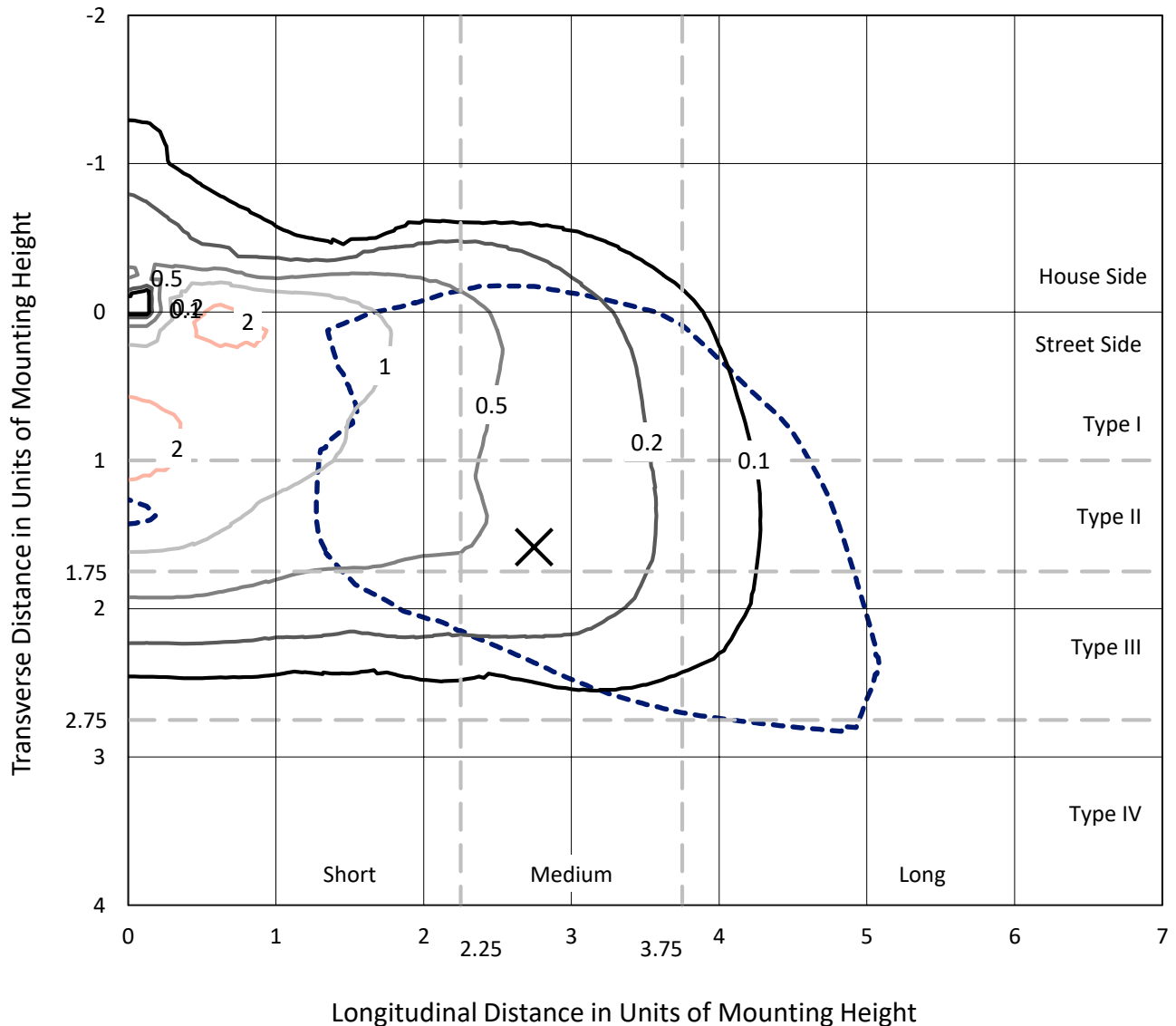
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

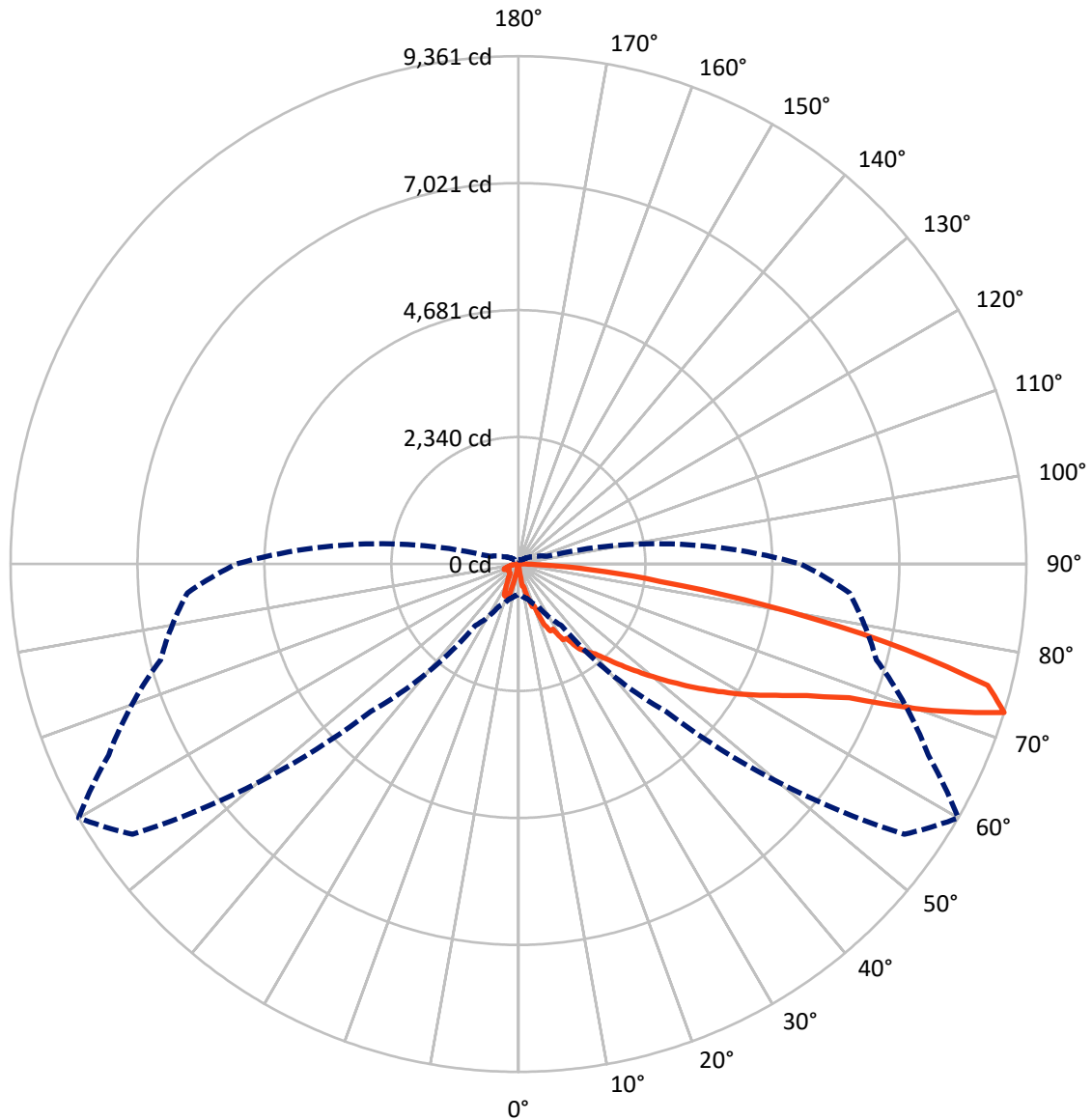
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1446.0 | 0.0 | 1446.0 |
| | % Fixture | 14.4 | 0.0 | 14.4 |
| Street Side | Lumens | 8595.0 | 0.0 | 8595.0 |
| | % Fixture | 85.6 | 0.0 | 85.6 |
| Total | Lumens | 10041.0 | 0.0 | 10041.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 10.5 | 0.1 |
| 10°-20° | 146.4 | 1.5 |
| 20°-30° | 440.8 | 4.4 |
| 30°-40° | 871.9 | 8.7 |
| 40°-50° | 1444.2 | 14.4 |
| 50°-60° | 2157.4 | 21.5 |
| 60°-70° | 2566.5 | 25.6 |
| 70°-80° | 2054.5 | 20.5 |
| 80°-90° | 348.7 | 3.5 |
| 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° | 10041.0 | 100.0 |
| 0°-180° | 10041.0 | 100.0 |

Coefficient of Utilization



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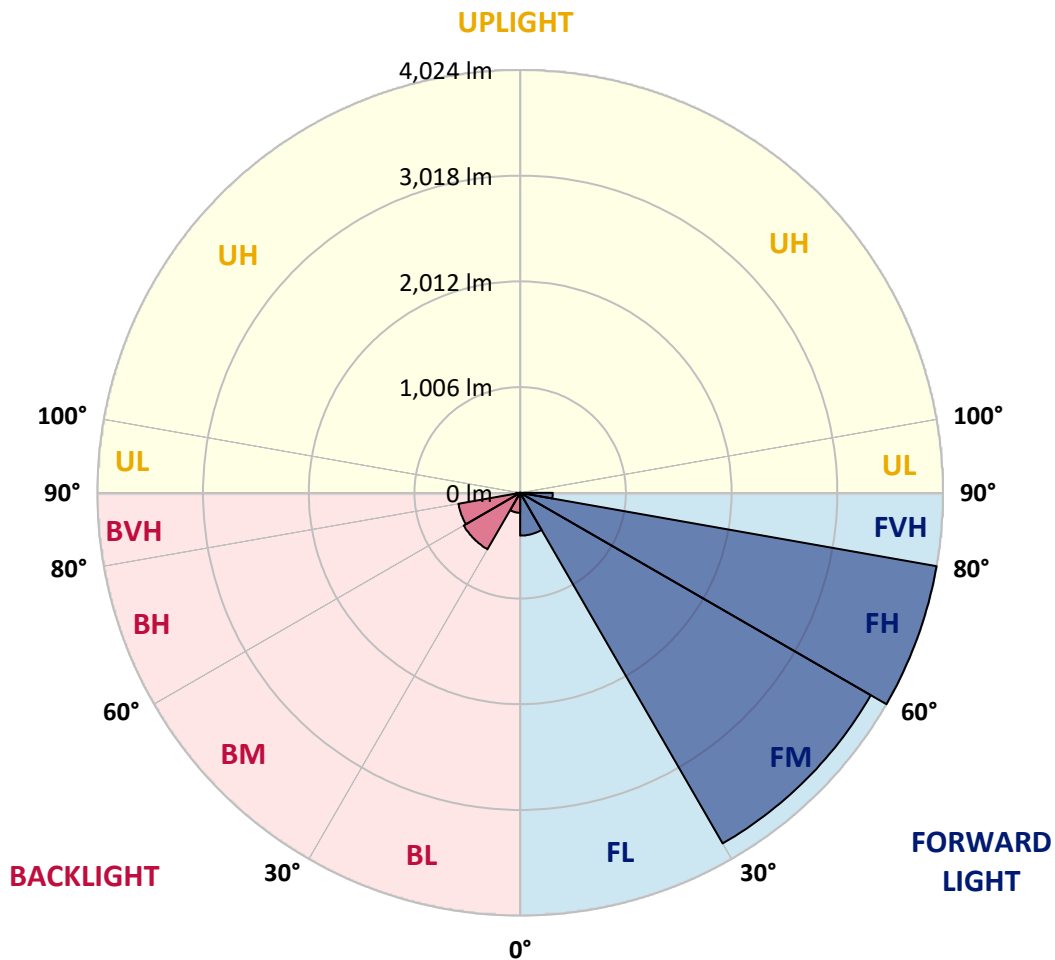
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 407.5 | 4.1 | | | |
| FM (30°-60°) | 3853.1 | 38.4 | | | |
| FH (60°-80°) | 4024.1 | 40.1 | | | G2/5000 |
| FVH (80°-90°) | 310.3 | 3.1 | | | G3/500 |
| BL (0°-30°) | 190.3 | 1.9 | B1/500 | | |
| BM (30°-60°) | 620.4 | 6.2 | B1/1000 | | |
| BH (60°-80°) | 596.9 | 5.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 38.4 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 2.5° | 5.5 | 5.5 | 6.6 | 7.7 | 7.7 | 6.6 | 5.5 | 5.5 | 5.5 | 4.4 | 5.5 |
| 5° | 375.2 | 189.2 | 126.9 | 60.2 | 44.8 | 21.9 | 8.8 | 6.6 | 6.6 | 5.5 | 5.5 |
| 7.5° | 431.0 | 431.0 | 432.1 | 436.5 | 439.7 | 441.9 | 54.7 | 28.4 | 10.9 | 5.5 | 5.5 |
| 10° | 415.7 | 412.4 | 414.6 | 419.0 | 423.3 | 429.9 | 437.6 | 415.7 | 49.2 | 8.8 | 6.6 |
| 12.5° | 767.9 | 765.7 | 739.5 | 450.7 | 417.9 | 417.9 | 428.8 | 429.9 | 338.0 | 32.8 | 31.7 |
| 15° | 740.6 | 739.5 | 742.7 | 750.4 | 762.4 | 432.1 | 438.6 | 638.8 | 832.4 | 586.3 | 681.5 |
| 17.5° | 761.3 | 752.6 | 732.9 | 728.5 | 739.5 | 694.6 | 817.1 | 827.0 | 845.6 | 673.8 | 690.2 |
| 20° | 1044.7 | 1041.4 | 1041.4 | 877.3 | 723.1 | 1010.7 | 959.3 | 828.1 | 849.9 | 974.6 | 1220.8 |
| 22.5° | 1041.4 | 1035.9 | 1028.2 | 1027.2 | 1178.1 | 983.4 | 998.7 | 1197.8 | 1245.9 | 1428.6 | 1379.4 |
| 25° | 1415.5 | 1401.3 | 1186.9 | 1034.8 | 1170.5 | 1101.5 | 1334.5 | 1369.5 | 1266.7 | 1482.2 | 1411.1 |
| 27.5° | 1536.9 | 1509.6 | 1441.7 | 1321.4 | 1179.2 | 1338.9 | 1332.3 | 1360.8 | 1396.9 | 2025.9 | 1939.5 |
| 30° | 2087.1 | 1958.0 | 1594.9 | 1534.7 | 1410.0 | 1355.3 | 1518.3 | 1617.9 | 1764.4 | 1984.3 | 2020.4 |
| 32.5° | 2335.4 | 2288.4 | 2111.2 | 1889.1 | 1647.4 | 1463.6 | 1660.5 | 1635.4 | 1777.6 | 2412.0 | 2590.3 |
| 35° | 2871.4 | 2813.5 | 2327.8 | 2127.6 | 1915.4 | 1794.0 | 1707.5 | 1909.9 | 2084.9 | 2508.3 | 2639.5 |
| 37.5° | 2976.5 | 2963.3 | 2850.7 | 2491.9 | 2207.5 | 1972.3 | 1998.5 | 2053.2 | 2167.0 | 2642.8 | 2778.5 |
| 40° | 3058.5 | 3059.6 | 3092.4 | 2782.8 | 2476.5 | 2258.9 | 2180.1 | 2181.2 | 2278.6 | 2863.8 | 2956.8 |
| 42.5° | 3275.1 | 3283.8 | 3372.4 | 3042.1 | 2802.5 | 2593.6 | 2456.9 | 2396.7 | 2471.1 | 3117.6 | 3175.5 |
| 45° | 3665.6 | 3645.9 | 3721.4 | 3309.0 | 3047.6 | 2868.2 | 2758.8 | 2666.9 | 2706.3 | 3387.8 | 3454.5 |
| 47.5° | 4156.8 | 4115.2 | 4090.0 | 3641.5 | 3314.5 | 3160.2 | 3058.5 | 2962.2 | 2974.3 | 3645.9 | 3773.9 |
| 50° | 4536.3 | 4515.5 | 4385.4 | 3893.1 | 3544.2 | 3454.5 | 3411.8 | 3292.6 | 3241.2 | 3933.6 | 4139.2 |
| 52.5° | 4698.2 | 4678.5 | 4517.7 | 4083.5 | 3725.8 | 3735.6 | 3810.0 | 3654.7 | 3510.3 | 4245.4 | 4487.1 |
| 55° | 4669.8 | 4653.4 | 4547.3 | 4177.5 | 3857.0 | 4006.9 | 4201.6 | 4046.3 | 3859.2 | 4539.6 | 4841.5 |
| 57.5° | 4459.8 | 4467.4 | 4466.3 | 4184.1 | 3957.7 | 4261.8 | 4584.5 | 4451.0 | 4228.9 | 4831.7 | 5129.2 |
| 60° | 3995.9 | 4036.4 | 4187.4 | 4137.1 | 4085.6 | 4502.4 | 4956.4 | 4894.0 | 4658.8 | 5152.2 | 5395.0 |
| 62.5° | 3200.7 | 3280.6 | 3610.9 | 3880.0 | 4188.5 | 4839.3 | 5319.5 | 5327.2 | 5104.1 | 5400.5 | 5600.7 |
| 65° | 2159.3 | 2152.8 | 2645.0 | 3312.3 | 4067.1 | 5368.8 | 5862.1 | 5846.8 | 5516.4 | 5683.8 | 5903.7 |
| 67.5° | 1200.0 | 1226.2 | 1548.9 | 2192.1 | 3600.0 | 5696.9 | 6903.5 | 6575.3 | 6085.3 | 6115.9 | 6329.2 |
| 70° | 742.7 | 774.5 | 882.8 | 1225.1 | 2304.8 | 5314.1 | 8241.3 | 8088.2 | 7136.5 | 6689.1 | 6500.9 |
| 72.5° | 564.4 | 581.9 | 669.5 | 868.5 | 1387.0 | 3843.9 | 8685.4 | 9361.4 | 8335.4 | 6830.2 | 6126.8 |
| 75° | 336.9 | 357.7 | 476.9 | 750.4 | 1156.2 | 1989.8 | 7530.3 | 8932.6 | 8716.0 | 6740.5 | 5346.9 |
| 77.5° | 210.0 | 215.5 | 257.1 | 524.0 | 1065.4 | 1252.5 | 5158.7 | 6918.8 | 7103.7 | 5709.0 | 3778.3 |
| 80° | 160.8 | 161.9 | 177.2 | 278.9 | 860.9 | 1185.8 | 2987.4 | 4620.6 | 4528.7 | 3048.6 | 1484.4 |
| 82.5° | 101.7 | 108.3 | 137.8 | 170.6 | 409.1 | 1156.2 | 1765.5 | 2630.8 | 2315.7 | 824.8 | 413.5 |
| 85° | 51.4 | 58.0 | 97.4 | 117.0 | 198.0 | 1252.5 | 1252.5 | 1348.8 | 948.4 | 276.8 | 156.4 |
| 87.5° | 8.8 | 8.8 | 13.1 | 30.6 | 39.4 | 212.2 | 350.0 | 305.2 | 201.3 | 37.2 | 30.6 |
| 90° | 0.0 | 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° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| 2.5° | 5.5 | 5.5 | 5.5 | 4.4 | 3.3 | 2.2 | 1.1 | 1.1 | 1.1 | 2.2 | 2.2 |
| 5° | 5.5 | 5.5 | 5.5 | 4.4 | 3.3 | 2.2 | 1.1 | 1.1 | 2.2 | 3.3 | 3.3 |
| 7.5° | 5.5 | 5.5 | 5.5 | 4.4 | 3.3 | 3.3 | 2.2 | 4.4 | 9.8 | 128.0 | 86.4 |
| 10° | 6.6 | 6.6 | 6.6 | 5.5 | 4.4 | 12.0 | 374.1 | 394.9 | 396.0 | 393.8 | 389.4 |
| 12.5° | 35.0 | 38.3 | 28.4 | 9.8 | 40.5 | 375.2 | 359.9 | 342.4 | 335.8 | 328.2 | 328.2 |
| 15° | 691.3 | 682.6 | 644.3 | 474.7 | 291.0 | 334.7 | 300.8 | 277.8 | 431.0 | 425.5 | 429.9 |
| 17.5° | 693.5 | 678.2 | 623.5 | 679.3 | 630.1 | 300.8 | 341.3 | 370.8 | 350.0 | 342.4 | 345.7 |
| 20° | 1315.9 | 1244.8 | 632.3 | 633.4 | 540.4 | 533.8 | 289.9 | 273.5 | 276.8 | 283.3 | 285.5 |
| 22.5° | 1340.0 | 1258.0 | 970.3 | 820.4 | 463.8 | 427.7 | 296.4 | 237.4 | 351.1 | 390.5 | 394.9 |
| 25° | 1350.9 | 1248.1 | 916.7 | 726.3 | 524.0 | 320.5 | 286.6 | 260.3 | 320.5 | 359.9 | 362.1 |
| 27.5° | 1909.9 | 1730.5 | 1252.5 | 616.9 | 404.7 | 281.1 | 268.0 | 245.0 | 287.7 | 356.6 | 357.7 |
| 30° | 1893.5 | 1682.4 | 1160.6 | 597.3 | 312.9 | 259.2 | 231.9 | 256.0 | 271.3 | 289.9 | 289.9 |
| 32.5° | 2462.3 | 2159.3 | 1287.5 | 481.3 | 262.5 | 215.5 | 218.8 | 233.0 | 234.1 | 276.8 | 280.0 |
| 35° | 2463.4 | 2112.3 | 1109.2 | 439.7 | 225.3 | 196.9 | 200.2 | 215.5 | 238.5 | 265.8 | 270.2 |
| 37.5° | 2501.7 | 2091.5 | 956.1 | 342.4 | 225.3 | 196.9 | 190.3 | 205.6 | 222.1 | 260.3 | 264.7 |
| 40° | 2582.7 | 2100.3 | 810.6 | 284.4 | 217.7 | 193.6 | 188.1 | 200.2 | 219.9 | 241.7 | 243.9 |
| 42.5° | 2720.5 | 2149.5 | 672.7 | 257.1 | 212.2 | 193.6 | 180.5 | 189.2 | 200.2 | 245.0 | 249.4 |
| 45° | 2939.3 | 2254.5 | 566.6 | 246.1 | 210.0 | 186.0 | 171.7 | 173.9 | 181.6 | 289.9 | 301.9 |
| 47.5° | 3195.2 | 2400.0 | 474.7 | 240.7 | 206.7 | 178.3 | 158.6 | 160.8 | 178.3 | 329.3 | 345.7 |
| 50° | 3490.6 | 2615.5 | 420.1 | 239.6 | 203.5 | 167.4 | 148.8 | 160.8 | 196.9 | 328.2 | 335.8 |
| 52.5° | 3837.3 | 2834.2 | 390.5 | 243.9 | 201.3 | 157.5 | 154.2 | 180.5 | 187.1 | 263.6 | 263.6 |
| 55° | 4149.1 | 3077.1 | 392.7 | 247.2 | 194.7 | 157.5 | 158.6 | 153.1 | 147.7 | 181.6 | 182.7 |
| 57.5° | 4455.4 | 3318.8 | 428.8 | 240.7 | 184.9 | 158.6 | 136.7 | 125.8 | 128.0 | 154.2 | 157.5 |
| 60° | 4721.2 | 3551.8 | 537.1 | 226.4 | 176.1 | 143.3 | 126.9 | 118.1 | 120.3 | 155.3 | 158.6 |
| 62.5° | 5007.8 | 3836.2 | 743.8 | 231.9 | 175.0 | 135.6 | 118.1 | 108.3 | 112.7 | 129.1 | 131.3 |
| 65° | 5395.0 | 4233.3 | 929.8 | 273.5 | 181.6 | 131.3 | 108.3 | 102.8 | 103.9 | 105.0 | 105.0 |
| 67.5° | 5774.6 | 4478.4 | 897.0 | 322.7 | 203.5 | 129.1 | 102.8 | 96.3 | 95.2 | 95.2 | 95.2 |
| 70° | 5737.4 | 4212.5 | 711.0 | 342.4 | 221.0 | 129.1 | 98.4 | 89.7 | 87.5 | 87.5 | 87.5 |
| 72.5° | 5200.3 | 3603.2 | 545.8 | 317.2 | 203.5 | 123.6 | 91.9 | 82.0 | 78.8 | 78.8 | 78.8 |
| 75° | 4424.8 | 2890.0 | 458.3 | 275.7 | 166.3 | 106.1 | 80.9 | 73.3 | 71.1 | 71.1 | 70.0 |
| 77.5° | 2826.6 | 1708.6 | 389.4 | 224.2 | 128.0 | 86.4 | 70.0 | 63.4 | 63.4 | 63.4 | 60.2 |
| 80° | 1134.4 | 751.5 | 303.0 | 177.2 | 99.5 | 68.9 | 58.0 | 54.7 | 53.6 | 52.5 | 49.2 |
| 82.5° | 431.0 | 370.8 | 196.9 | 129.1 | 76.6 | 52.5 | 47.0 | 43.8 | 43.8 | 42.7 | 37.2 |
| 85° | 154.2 | 144.4 | 90.8 | 74.4 | 47.0 | 32.8 | 36.1 | 32.8 | 31.7 | 28.4 | 24.1 |
| 87.5° | 32.8 | 36.1 | 25.2 | 16.4 | 16.4 | 9.8 | 12.0 | 13.1 | 13.1 | 12.0 | 6.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)