

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: P415872

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5393 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G1

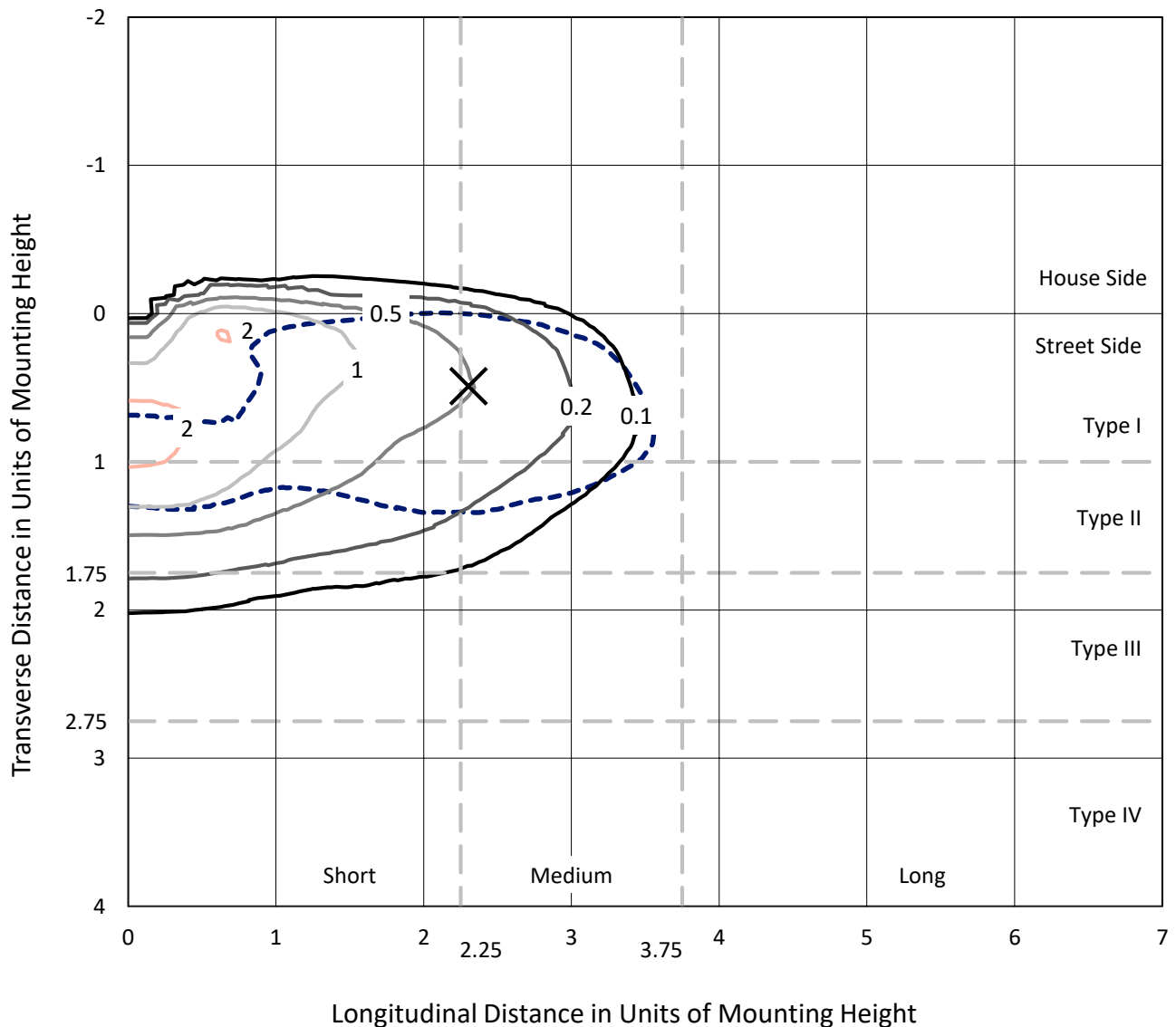
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

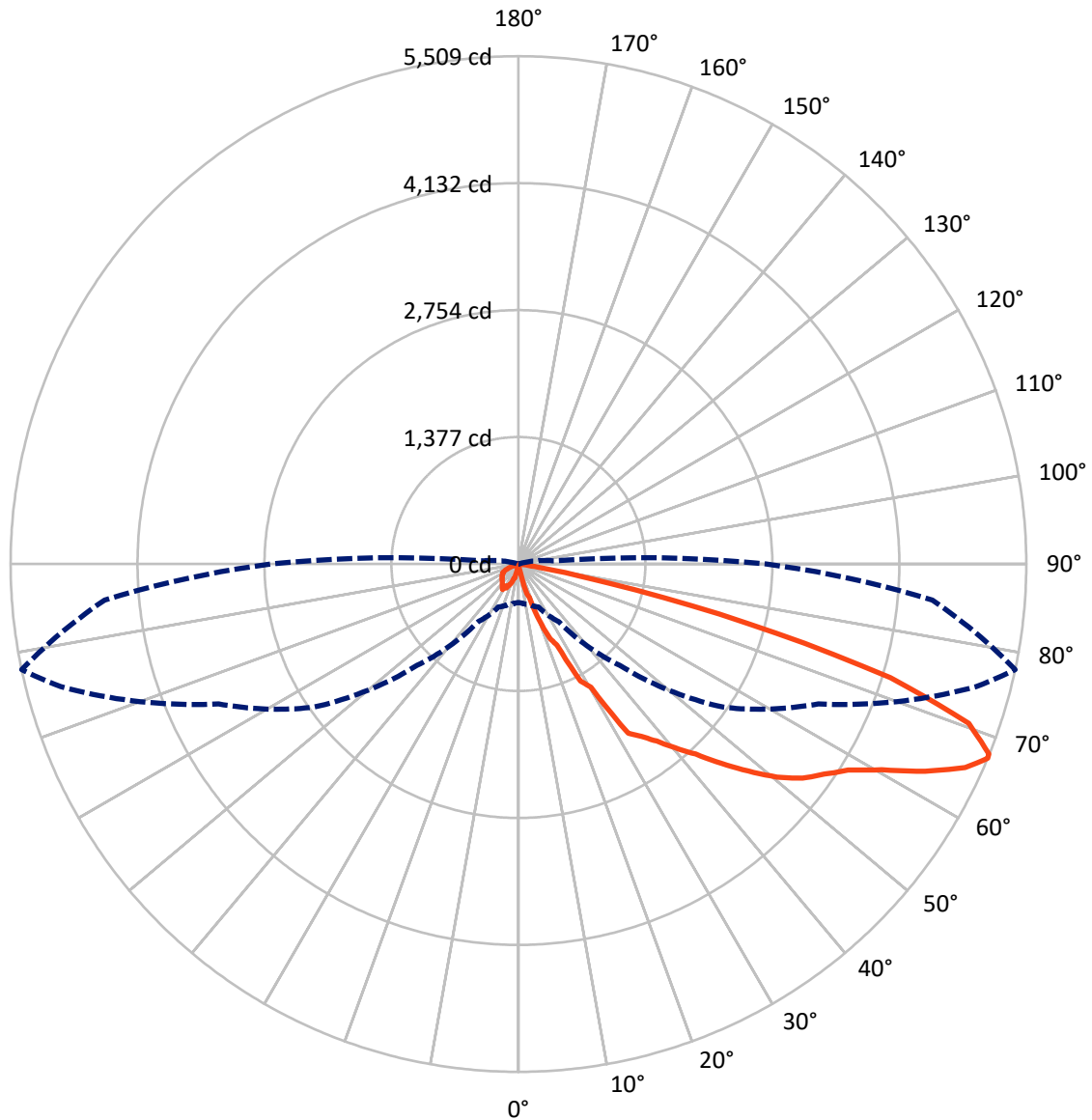
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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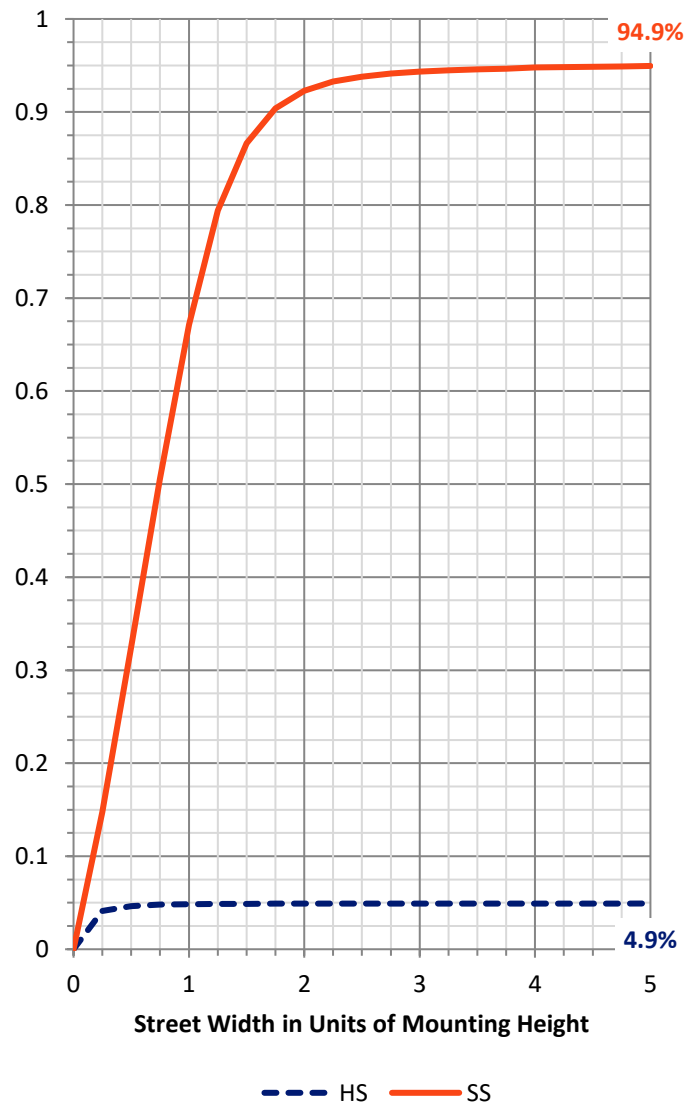
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 267.0 | 0.0 | 267.0 |
| | % Fixture | 5.0 | 0.0 | 5.0 |
| Street Side | Lumens | 5126.0 | 0.0 | 5126.0 |
| | % Fixture | 95.0 | 0.0 | 95.0 |
| Total | Lumens | 5393.0 | 0.0 | 5393.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.1 | 0.1 |
| 10°-20° | 73.5 | 1.4 |
| 20°-30° | 292.8 | 5.4 |
| 30°-40° | 744.9 | 13.8 |
| 40°-50° | 1219.6 | 22.6 |
| 50°-60° | 1375.3 | 25.5 |
| 60°-70° | 1186.0 | 22.0 |
| 70°-80° | 477.1 | 8.8 |
| 80°-90° | 18.7 | 0.3 |
| 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° | 5393.0 | 100.0 |
| 0°-180° | 5393.0 | 100.0 |

Coefficient of Utilization



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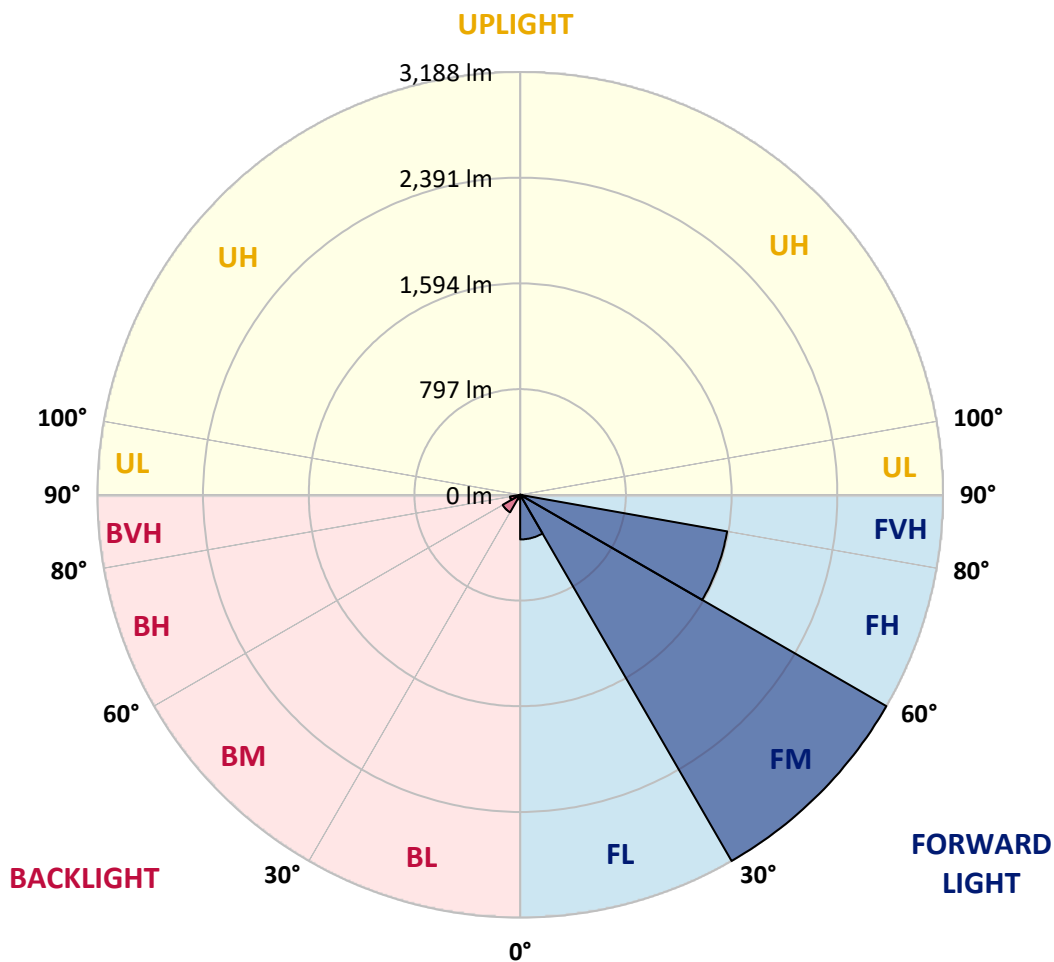
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 336.4 | 6.2 | | | |
| FM (30°-60°) | 3187.8 | 59.1 | | | |
| FH (60°-80°) | 1585.0 | 29.4 | | | G1/1800 |
| FVH (80°-90°) | 16.8 | 0.3 | | | G1/100 |
| BL (0°-30°) | 35.0 | 0.6 | B0/110 | | |
| BM (30°-60°) | 152.0 | 2.8 | B0/220 | | |
| BH (60°-80°) | 78.1 | 1.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.9 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 78° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 2.5° | 0.7 | 0.7 | 1.5 | 1.5 | 3.0 | 3.0 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 5° | 225.9 | 176.8 | 125.6 | 36.4 | 14.1 | 6.7 | 3.0 | 2.2 | 2.2 | 2.2 | 1.5 |
| 7.5° | 251.9 | 249.6 | 246.7 | 245.2 | 240.7 | 233.3 | 16.3 | 3.0 | 2.2 | 2.2 | 2.2 |
| 10° | 269.7 | 265.2 | 264.5 | 263.7 | 260.8 | 254.8 | 243.7 | 14.1 | 2.2 | 2.2 | 2.2 |
| 12.5° | 541.6 | 539.4 | 530.5 | 310.5 | 279.3 | 273.4 | 263.7 | 189.4 | 14.9 | 124.8 | 135.2 |
| 15° | 534.9 | 533.4 | 539.4 | 551.3 | 562.4 | 300.1 | 428.7 | 540.9 | 332.1 | 318.0 | 331.4 |
| 17.5° | 553.5 | 552.7 | 543.1 | 552.7 | 569.8 | 664.9 | 612.2 | 589.9 | 368.5 | 384.8 | 353.6 |
| 20° | 829.1 | 827.6 | 835.8 | 786.0 | 591.4 | 828.4 | 768.9 | 638.9 | 723.6 | 664.9 | 667.9 |
| 22.5° | 870.7 | 873.7 | 871.5 | 888.6 | 1026.7 | 855.9 | 956.9 | 993.3 | 1005.2 | 880.4 | 760.0 |
| 25° | 1277.9 | 1259.3 | 1220.6 | 943.5 | 1107.0 | 1061.7 | 1215.4 | 1073.5 | 1081.0 | 974.0 | 974.0 |
| 27.5° | 1431.6 | 1431.6 | 1399.7 | 1363.3 | 1174.6 | 1363.3 | 1279.3 | 1410.1 | 1537.9 | 1436.8 | 1219.9 |
| 30° | 1942.8 | 1927.9 | 1605.5 | 1559.4 | 1462.1 | 1442.8 | 1544.6 | 1655.3 | 1598.8 | 1551.3 | 1372.2 |
| 32.5° | 2309.8 | 2311.3 | 2229.6 | 1979.9 | 1738.5 | 1609.2 | 1789.0 | 1826.1 | 2131.5 | 2187.2 | 1860.3 |
| 35° | 2947.2 | 2910.1 | 2510.4 | 2283.8 | 2046.1 | 1959.9 | 1951.0 | 2138.9 | 2314.3 | 2294.9 | 2016.3 |
| 37.5° | 3352.1 | 3326.1 | 3133.0 | 2624.1 | 2319.5 | 2126.3 | 2242.2 | 2251.1 | 2534.9 | 2437.6 | 2202.8 |
| 40° | 3537.9 | 3526.0 | 3362.5 | 2930.2 | 2559.4 | 2353.6 | 2390.8 | 2419.8 | 2756.3 | 2622.6 | 2359.6 |
| 42.5° | 3688.0 | 3676.8 | 3528.2 | 3083.9 | 2789.7 | 2571.3 | 2557.9 | 2563.1 | 2935.4 | 2818.0 | 2517.8 |
| 45° | 3760.0 | 3753.3 | 3689.4 | 3219.9 | 2890.0 | 2712.5 | 2740.0 | 2706.5 | 3091.4 | 3083.9 | 2693.2 |
| 47.5° | 3690.2 | 3693.9 | 3711.7 | 3340.3 | 2963.6 | 2823.9 | 2916.8 | 2863.3 | 3277.1 | 3355.1 | 2890.8 |
| 50° | 3444.3 | 3442.8 | 3544.6 | 3358.1 | 3005.9 | 2913.1 | 3072.8 | 3011.1 | 3497.8 | 3633.0 | 3069.1 |
| 52.5° | 2687.2 | 2786.0 | 3154.5 | 3166.4 | 2996.3 | 2957.6 | 3190.2 | 3181.3 | 3705.8 | 3858.8 | 3247.4 |
| 55° | 2022.3 | 2062.4 | 2412.3 | 2746.6 | 2871.5 | 2952.4 | 3231.8 | 3295.7 | 3859.6 | 4023.8 | 3387.1 |
| 57.5° | 1589.1 | 1575.8 | 1767.5 | 2214.0 | 2556.5 | 2864.8 | 3222.1 | 3340.3 | 4009.6 | 4216.9 | 3571.3 |
| 60° | 1162.7 | 1174.6 | 1326.9 | 1605.5 | 2102.5 | 2665.7 | 3192.4 | 3412.3 | 4247.4 | 4529.0 | 3845.5 |
| 62.5° | 843.2 | 843.2 | 948.0 | 1118.1 | 1610.7 | 2346.2 | 3127.8 | 3513.4 | 4619.6 | 4952.4 | 4171.6 |
| 65° | 567.6 | 563.9 | 641.9 | 728.8 | 1103.3 | 1941.3 | 2953.9 | 3607.7 | 4976.2 | 5324.6 | 4451.7 |
| 67° | 417.5 | 425.7 | 457.7 | 514.9 | 763.0 | 1555.0 | 2705.8 | 3589.1 | 5140.4 | 5508.9 | 4506.7 |
| 67.5° | 390.8 | 394.5 | 438.3 | 488.9 | 703.6 | 1452.4 | 2635.2 | 3566.9 | 5158.2 | 5504.4 | 4478.4 |
| 70° | 283.8 | 289.7 | 313.5 | 328.4 | 425.7 | 958.4 | 2103.3 | 3216.2 | 4898.2 | 5182.0 | 4072.1 |
| 72.5° | 152.3 | 164.9 | 228.1 | 226.6 | 264.5 | 584.7 | 1430.2 | 2387.1 | 4026.0 | 4218.4 | 3125.5 |
| 75° | 118.9 | 120.4 | 136.0 | 167.9 | 170.9 | 325.4 | 688.0 | 1387.1 | 2546.8 | 2560.9 | 1735.5 |
| 77.5° | 86.9 | 90.6 | 100.3 | 106.2 | 111.4 | 185.0 | 240.7 | 551.3 | 1127.8 | 985.1 | 650.1 |
| 80° | 58.7 | 60.9 | 66.1 | 78.8 | 91.4 | 104.8 | 78.0 | 147.1 | 265.2 | 205.8 | 97.3 |
| 82.5° | 25.3 | 24.5 | 46.1 | 66.1 | 65.4 | 43.1 | 39.4 | 46.1 | 52.7 | 48.3 | 29.7 |
| 85° | 1.5 | 2.2 | 23.8 | 31.9 | 27.5 | 18.6 | 24.5 | 19.3 | 20.1 | 19.3 | 14.9 |
| 87.5° | 0.7 | 0.7 | 2.2 | 3.0 | 3.7 | 3.7 | 4.5 | 4.5 | 5.9 | 6.7 | 5.9 |
| 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° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 2.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0.7 | 0.0 | 8.2 | 22.3 | 23.8 | 23.0 |
| 10° | 2.2 | 2.2 | 2.2 | 2.2 | 1.5 | 19.3 | 26.7 | 25.3 | 24.5 | 23.8 | 23.8 |
| 12.5° | 135.2 | 114.4 | 20.8 | 4.5 | 19.3 | 24.5 | 21.5 | 21.5 | 20.8 | 20.8 | 20.8 |
| 15° | 295.7 | 248.1 | 116.6 | 39.4 | 30.5 | 20.8 | 19.3 | 19.3 | 31.9 | 34.9 | 34.2 |
| 17.5° | 309.8 | 250.4 | 114.4 | 53.5 | 43.8 | 26.7 | 26.7 | 34.2 | 33.4 | 31.9 | 31.9 |
| 20° | 589.2 | 386.3 | 132.2 | 52.7 | 40.1 | 42.3 | 31.9 | 29.7 | 28.2 | 26.7 | 26.7 |
| 22.5° | 630.0 | 453.9 | 141.9 | 66.9 | 43.1 | 42.3 | 32.7 | 27.5 | 34.9 | 34.2 | 34.2 |
| 25° | 813.5 | 548.3 | 128.5 | 62.4 | 55.7 | 38.6 | 34.9 | 30.5 | 29.7 | 28.2 | 28.2 |
| 27.5° | 1008.2 | 648.6 | 141.9 | 64.6 | 50.5 | 37.9 | 32.7 | 26.7 | 28.2 | 31.2 | 31.2 |
| 30° | 1105.5 | 649.3 | 112.2 | 66.1 | 48.3 | 38.6 | 29.0 | 29.7 | 28.2 | 27.5 | 26.7 |
| 32.5° | 1483.7 | 833.6 | 107.7 | 63.1 | 45.3 | 33.4 | 29.7 | 26.0 | 23.8 | 26.0 | 26.0 |
| 35° | 1550.5 | 804.6 | 93.6 | 63.9 | 40.9 | 30.5 | 25.3 | 23.8 | 23.8 | 23.0 | 23.0 |
| 37.5° | 1624.1 | 773.4 | 82.5 | 56.5 | 39.4 | 27.5 | 21.5 | 21.5 | 20.8 | 22.3 | 22.3 |
| 40° | 1705.0 | 740.7 | 73.6 | 49.0 | 33.4 | 23.0 | 19.3 | 18.6 | 19.3 | 19.3 | 18.6 |
| 42.5° | 1799.4 | 708.8 | 66.1 | 43.1 | 28.2 | 19.3 | 15.6 | 15.6 | 15.6 | 14.9 | 14.9 |
| 45° | 1900.4 | 683.5 | 60.9 | 37.1 | 23.8 | 16.3 | 12.6 | 11.9 | 11.1 | 11.1 | 11.1 |
| 47.5° | 2020.1 | 673.1 | 56.5 | 31.2 | 20.1 | 12.6 | 9.7 | 8.9 | 8.2 | 7.4 | 7.4 |
| 50° | 2120.3 | 668.6 | 49.8 | 26.0 | 17.1 | 10.4 | 6.7 | 5.9 | 5.2 | 4.5 | 4.5 |
| 52.5° | 2208.8 | 649.3 | 43.1 | 20.8 | 13.4 | 7.4 | 4.5 | 3.0 | 2.2 | 2.2 | 2.2 |
| 55° | 2296.4 | 631.5 | 37.1 | 17.8 | 9.7 | 4.5 | 2.2 | 0.7 | 0.7 | 1.5 | 1.5 |
| 57.5° | 2404.9 | 611.4 | 31.9 | 14.9 | 7.4 | 3.0 | 1.5 | 0.0 | 0.7 | 0.7 | 1.5 |
| 60° | 2575.0 | 590.6 | 28.2 | 12.6 | 5.2 | 2.2 | 0.7 | 0.0 | 0.0 | 0.7 | 0.7 |
| 62.5° | 2727.3 | 554.2 | 24.5 | 11.1 | 4.5 | 2.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 65° | 2793.5 | 479.2 | 21.5 | 9.7 | 4.5 | 2.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67° | 2682.8 | 387.8 | 19.3 | 8.9 | 3.7 | 1.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2630.7 | 361.8 | 19.3 | 8.2 | 3.7 | 1.5 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 70° | 2233.3 | 240.0 | 17.1 | 7.4 | 3.7 | 1.5 | 1.5 | 0.7 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1714.0 | 139.7 | 14.9 | 6.7 | 3.7 | 1.5 | 1.5 | 0.7 | 0.7 | 0.0 | 0.0 |
| 75° | 958.4 | 70.6 | 11.9 | 6.7 | 3.7 | 2.2 | 2.2 | 1.5 | 1.5 | 1.5 | 0.0 |
| 77.5° | 306.8 | 38.6 | 8.9 | 5.9 | 3.7 | 2.2 | 2.2 | 1.5 | 2.2 | 2.2 | 0.7 |
| 80° | 48.3 | 20.1 | 6.7 | 4.5 | 3.7 | 1.5 | 2.2 | 2.2 | 3.0 | 3.0 | 0.7 |
| 82.5° | 17.8 | 11.1 | 5.2 | 4.5 | 3.7 | 1.5 | 2.2 | 2.2 | 3.0 | 3.7 | 0.0 |
| 85° | 8.2 | 6.7 | 5.2 | 4.5 | 3.7 | 1.5 | 2.2 | 2.2 | 3.0 | 3.7 | 0.0 |
| 87.5° | 3.7 | 5.2 | 4.5 | 4.5 | 3.7 | 1.5 | 2.2 | 2.2 | 3.0 | 3.0 | 0.0 |
| 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)