

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: P695430

Luminaire Tested: **LXF.LXT-PA16-50-750-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-750-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5709 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

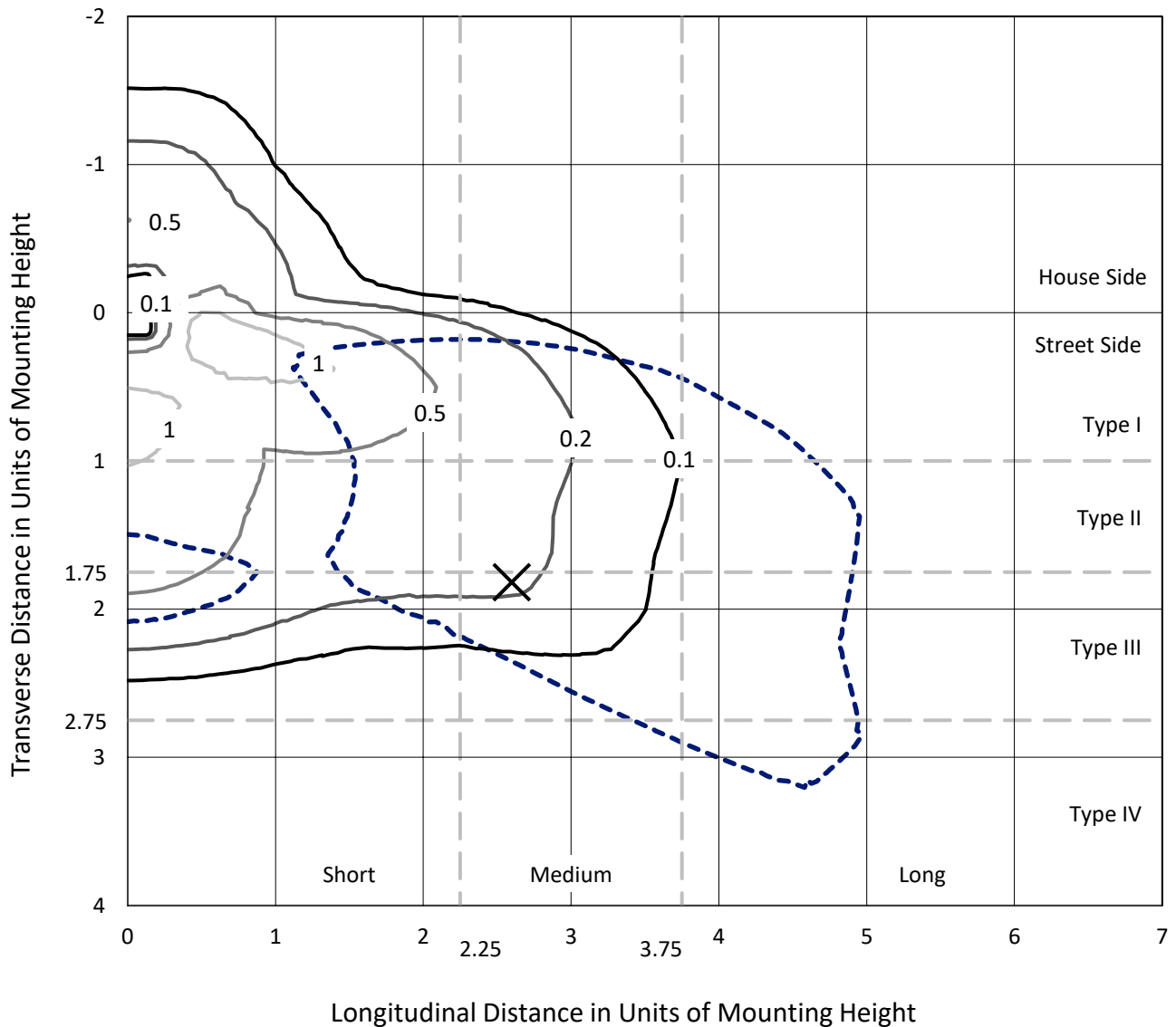
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

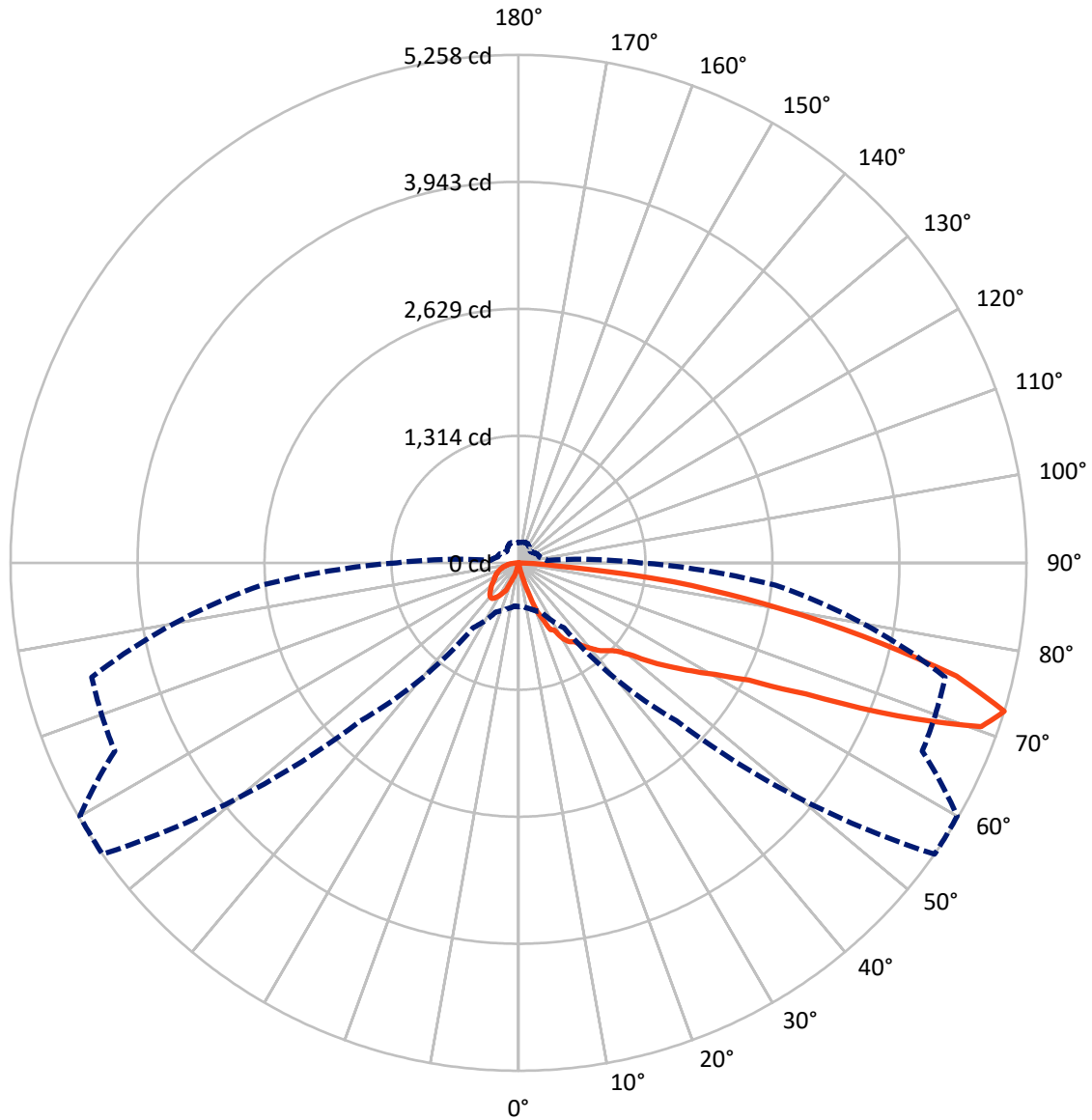
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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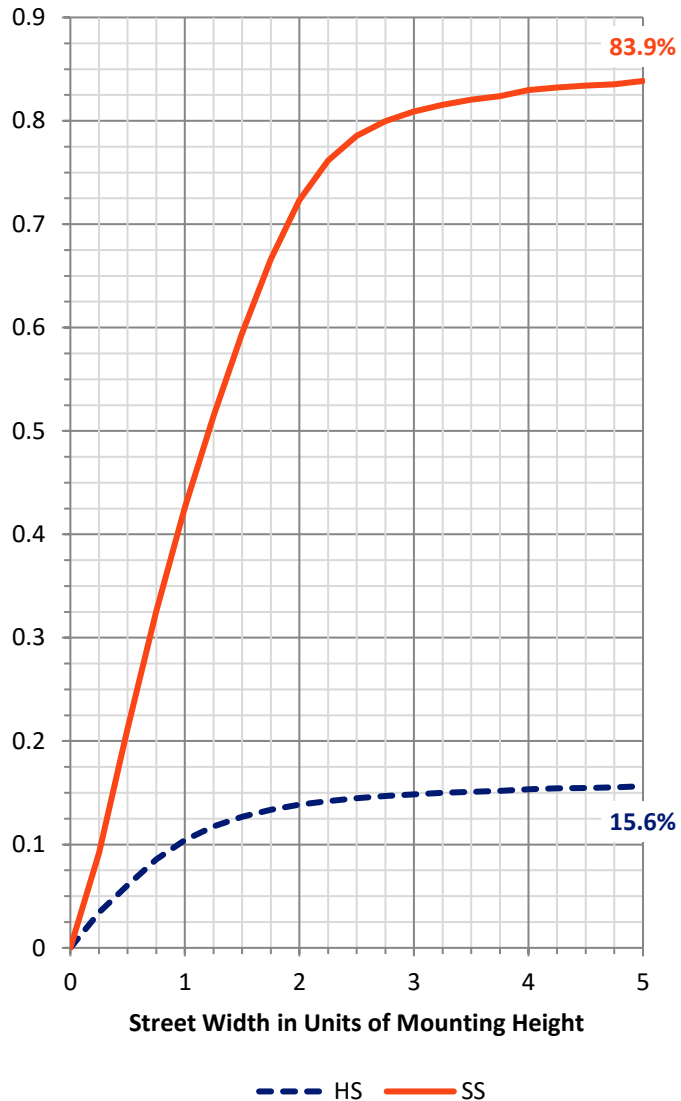
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 906.9 | 0.0 | 906.9 |
| | % Fixture | 15.9 | 0.0 | 15.9 |
| Street Side | Lumens | 4802.1 | 0.0 | 4802.1 |
| | % Fixture | 84.1 | 0.0 | 84.1 |
| Total | Lumens | 5709.0 | 0.0 | 5709.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.3 | 0.0 |
| 10°-20° | 55.2 | 1.0 |
| 20°-30° | 258.4 | 4.5 |
| 30°-40° | 550.3 | 9.6 |
| 40°-50° | 801.3 | 14.0 |
| 50°-60° | 1167.5 | 20.5 |
| 60°-70° | 1549.5 | 27.1 |
| 70°-80° | 1140.8 | 20.0 |
| 80°-90° | 185.6 | 3.3 |
| 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° | 5709.0 | 100.0 |
| 0°-180° | 5709.0 | 100.0 |

Coefficient of Utilization

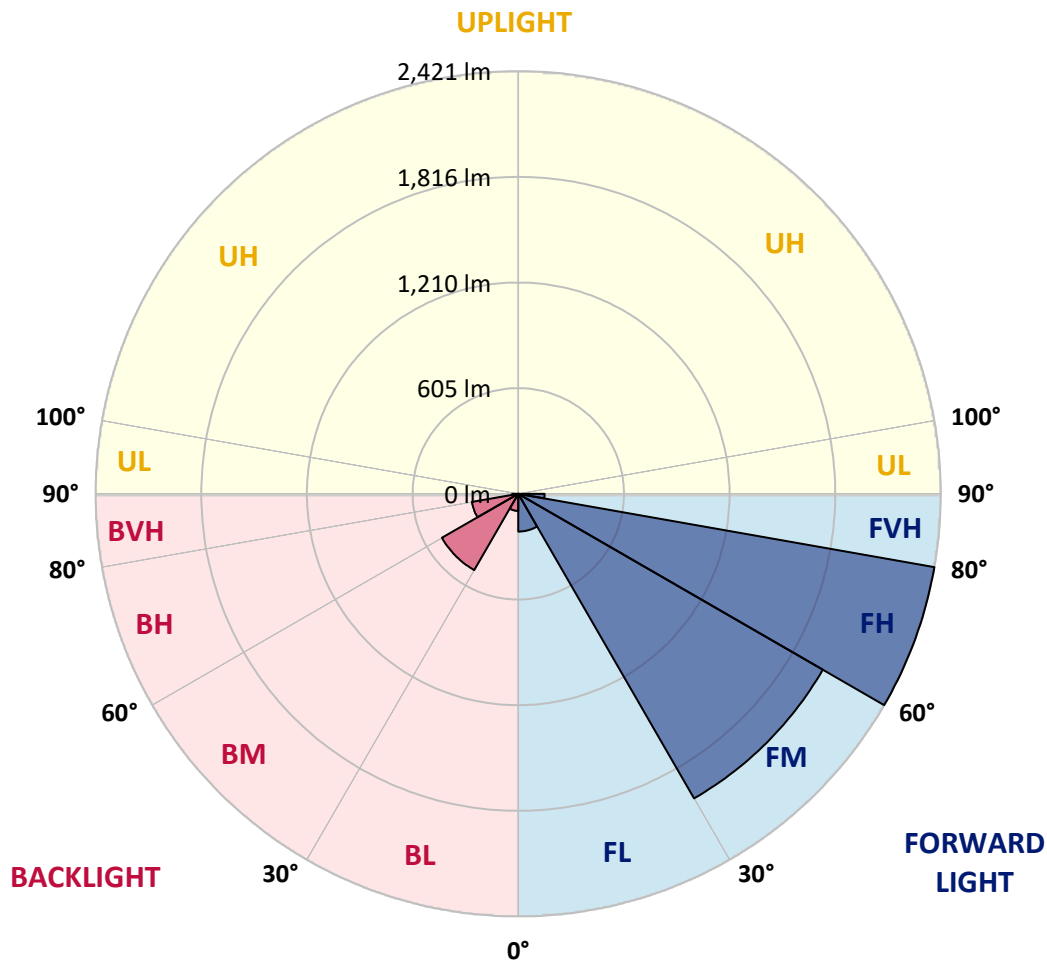


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 216.1 | 3.8 | | | |
| FM (30°-60°) | 2014.5 | 35.3 | | | |
| FH (60°-80°) | 2420.8 | 42.4 | | | G2/5000 |
| FVH (80°-90°) | 150.7 | 2.6 | | | G2/225 |
| BL (0°-30°) | 97.8 | 1.7 | B0/110 | | |
| BM (30°-60°) | 504.7 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 269.5 | 4.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 34.9 | 0.6 | | | G1/100 |
| 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° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 5° | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 7.5° | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 10° | 41.2 | 43.2 | 35.0 | 16.5 | 6.2 | 2.1 | 2.1 | 2.1 | 4.1 | 4.1 | 6.2 |
| 12.5° | 327.2 | 331.3 | 325.1 | 131.7 | 61.7 | 12.3 | 8.2 | 14.4 | 22.6 | 35.0 | 137.9 |
| 15° | 325.1 | 325.1 | 331.3 | 341.6 | 341.6 | 72.0 | 144.0 | 187.3 | 261.3 | 339.5 | 335.4 |
| 17.5° | 343.6 | 341.6 | 333.4 | 329.2 | 351.9 | 401.3 | 304.5 | 366.3 | 372.5 | 384.8 | 376.6 |
| 20° | 500.0 | 500.0 | 500.0 | 475.3 | 356.0 | 493.9 | 514.4 | 415.7 | 419.8 | 586.5 | 570.0 |
| 22.5° | 547.4 | 545.3 | 528.8 | 516.5 | 537.1 | 489.7 | 621.4 | 714.0 | 703.8 | 798.4 | 749.0 |
| 25° | 779.9 | 757.3 | 718.2 | 570.0 | 594.7 | 574.1 | 767.5 | 880.7 | 796.4 | 868.4 | 940.4 |
| 27.5° | 909.5 | 893.1 | 858.1 | 775.8 | 633.8 | 695.5 | 786.1 | 926.0 | 1082.4 | 1240.8 | 1115.3 |
| 30° | 1218.2 | 1201.7 | 1028.9 | 901.3 | 786.1 | 716.1 | 915.7 | 1098.8 | 1273.8 | 1300.5 | 1162.6 |
| 32.5° | 1263.5 | 1265.5 | 1273.8 | 1152.3 | 923.9 | 792.2 | 975.4 | 1135.9 | 1362.2 | 1633.9 | 1444.6 |
| 35° | 1292.3 | 1290.2 | 1290.2 | 1195.6 | 1100.9 | 936.3 | 1004.2 | 1277.9 | 1566.0 | 1732.6 | 1430.1 |
| 37.5° | 1378.7 | 1372.5 | 1362.2 | 1218.2 | 1164.7 | 1039.2 | 1094.7 | 1314.9 | 1679.1 | 1887.0 | 1415.7 |
| 40° | 1483.6 | 1489.8 | 1463.1 | 1279.9 | 1207.9 | 1117.4 | 1166.8 | 1331.4 | 1812.9 | 2012.5 | 1409.6 |
| 42.5° | 1631.8 | 1623.6 | 1578.3 | 1382.8 | 1271.7 | 1152.3 | 1244.9 | 1374.6 | 1911.7 | 2181.2 | 1421.9 |
| 45° | 1798.5 | 1777.9 | 1714.1 | 1524.8 | 1366.4 | 1172.9 | 1296.4 | 1452.8 | 2000.1 | 2372.6 | 1465.1 |
| 47.5° | 1971.3 | 1944.6 | 1854.0 | 1640.0 | 1465.1 | 1212.0 | 1362.2 | 1553.6 | 2101.0 | 2615.4 | 1545.4 |
| 50° | 2136.0 | 2117.4 | 2002.2 | 1761.4 | 1568.0 | 1284.0 | 1487.8 | 1705.9 | 2238.8 | 2858.2 | 1681.2 |
| 52.5° | 2300.6 | 2269.7 | 2127.7 | 1884.9 | 1666.8 | 1374.6 | 1693.5 | 1930.2 | 2424.0 | 3103.1 | 1829.4 |
| 55° | 2477.5 | 2436.4 | 2253.3 | 2006.3 | 1749.1 | 1496.0 | 1893.1 | 2162.7 | 2644.2 | 3397.4 | 2012.5 |
| 57.5° | 2771.8 | 2743.0 | 2481.7 | 2187.4 | 1866.4 | 1644.2 | 2109.2 | 2395.2 | 2880.9 | 3666.9 | 2195.6 |
| 60° | 3105.2 | 3053.7 | 2796.5 | 2502.2 | 2111.3 | 1874.6 | 2347.9 | 2654.5 | 3107.2 | 3926.2 | 2399.4 |
| 62.5° | 3092.8 | 3041.4 | 2860.3 | 2691.6 | 2426.1 | 2259.4 | 2675.1 | 2922.0 | 3300.7 | 4171.1 | 2580.4 |
| 65° | 2457.0 | 2465.2 | 2459.0 | 2487.8 | 2514.6 | 2800.6 | 3269.8 | 3315.1 | 3605.2 | 4399.5 | 2753.3 |
| 67.5° | 1337.5 | 1325.2 | 1477.5 | 1775.9 | 2189.5 | 3144.3 | 4232.8 | 3948.8 | 3981.8 | 4613.5 | 2872.6 |
| 70° | 637.9 | 637.9 | 726.4 | 987.7 | 1570.1 | 2932.3 | 5080.6 | 4751.4 | 4387.2 | 4706.1 | 2858.2 |
| 72.5° | 454.8 | 448.6 | 495.9 | 561.8 | 821.0 | 2312.9 | 5257.6 | 5243.2 | 4611.4 | 4572.4 | 2668.9 |
| 75° | 368.3 | 372.5 | 391.0 | 426.0 | 388.9 | 1360.2 | 4681.4 | 4944.8 | 4401.6 | 4150.5 | 2360.3 |
| 77.5° | 298.4 | 298.4 | 321.0 | 337.5 | 249.0 | 660.5 | 3634.0 | 3975.6 | 3490.0 | 3385.0 | 1734.7 |
| 80° | 222.2 | 222.2 | 234.6 | 269.6 | 183.1 | 279.9 | 2572.2 | 2677.2 | 2302.6 | 2088.6 | 851.9 |
| 82.5° | 135.8 | 127.6 | 144.0 | 189.3 | 131.7 | 160.5 | 1615.3 | 1456.9 | 1156.5 | 648.2 | 253.1 |
| 85° | 24.7 | 28.8 | 41.2 | 65.8 | 49.4 | 59.7 | 374.5 | 273.7 | 230.5 | 111.1 | 57.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 2.1 | 4.1 | 6.2 | 8.2 | 10.3 | 10.3 | 8.2 | 6.2 |
| 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° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 2.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 7.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 10° | 6.2 | 6.2 | 4.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 12.5° | 144.0 | 148.2 | 37.0 | 20.6 | 6.2 | 2.1 | 0.0 | 2.1 | 4.1 | 8.2 | 10.3 |
| 15° | 325.1 | 306.6 | 236.6 | 121.4 | 70.0 | 8.2 | 4.1 | 35.0 | 94.7 | 102.9 | 109.1 |
| 17.5° | 358.1 | 333.4 | 246.9 | 172.9 | 135.8 | 65.8 | 82.3 | 131.7 | 148.2 | 156.4 | 156.4 |
| 20° | 530.9 | 467.1 | 302.5 | 201.7 | 160.5 | 174.9 | 144.0 | 156.4 | 172.9 | 187.3 | 195.5 |
| 22.5° | 681.1 | 570.0 | 349.8 | 288.1 | 218.1 | 224.3 | 197.5 | 226.4 | 277.8 | 298.4 | 300.4 |
| 25° | 821.0 | 635.8 | 368.3 | 321.0 | 312.8 | 255.2 | 279.9 | 281.9 | 306.6 | 319.0 | 321.0 |
| 27.5° | 928.1 | 668.8 | 440.4 | 370.4 | 345.7 | 312.8 | 319.0 | 314.8 | 391.0 | 415.7 | 419.8 |
| 30° | 940.4 | 642.0 | 460.9 | 419.8 | 380.7 | 362.2 | 343.6 | 407.4 | 438.3 | 448.6 | 448.6 |
| 32.5° | 1043.3 | 662.6 | 506.2 | 452.7 | 417.7 | 378.6 | 411.6 | 432.1 | 467.1 | 530.9 | 533.0 |
| 35° | 934.2 | 590.6 | 524.7 | 491.8 | 444.5 | 411.6 | 430.1 | 485.6 | 553.5 | 567.9 | 565.9 |
| 37.5° | 823.1 | 537.1 | 500.0 | 489.7 | 460.9 | 432.1 | 452.7 | 506.2 | 543.2 | 530.9 | 530.9 |
| 40° | 732.6 | 500.0 | 481.5 | 473.3 | 458.9 | 421.8 | 463.0 | 483.6 | 524.7 | 512.4 | 510.3 |
| 42.5° | 668.8 | 473.3 | 463.0 | 452.7 | 442.4 | 407.4 | 434.2 | 479.5 | 516.5 | 502.1 | 498.0 |
| 45° | 648.2 | 456.8 | 450.7 | 436.2 | 417.7 | 386.9 | 415.7 | 473.3 | 508.3 | 493.9 | 489.7 |
| 47.5° | 672.9 | 442.4 | 434.2 | 415.7 | 391.0 | 360.1 | 405.4 | 463.0 | 489.7 | 465.1 | 463.0 |
| 50° | 744.9 | 436.2 | 417.7 | 393.0 | 368.3 | 351.9 | 391.0 | 438.3 | 460.9 | 438.3 | 438.3 |
| 52.5° | 845.7 | 438.3 | 401.3 | 372.5 | 343.6 | 333.4 | 374.5 | 421.8 | 440.4 | 417.7 | 415.7 |
| 55° | 954.8 | 444.5 | 380.7 | 351.9 | 312.8 | 319.0 | 366.3 | 413.6 | 419.8 | 395.1 | 393.0 |
| 57.5° | 1078.3 | 450.7 | 360.1 | 337.5 | 296.3 | 302.5 | 349.8 | 397.1 | 395.1 | 362.2 | 362.2 |
| 60° | 1203.8 | 456.8 | 339.5 | 319.0 | 279.9 | 281.9 | 329.2 | 376.6 | 364.2 | 331.3 | 329.2 |
| 62.5° | 1308.7 | 450.7 | 314.8 | 298.4 | 263.4 | 257.2 | 304.5 | 351.9 | 341.6 | 306.6 | 306.6 |
| 65° | 1399.3 | 426.0 | 294.3 | 277.8 | 246.9 | 236.6 | 279.9 | 321.0 | 312.8 | 279.9 | 281.9 |
| 67.5° | 1436.3 | 386.9 | 273.7 | 257.2 | 228.4 | 214.0 | 251.0 | 284.0 | 281.9 | 255.2 | 257.2 |
| 70° | 1380.8 | 333.4 | 251.0 | 236.6 | 207.8 | 189.3 | 222.2 | 251.0 | 251.0 | 232.5 | 232.5 |
| 72.5° | 1261.4 | 294.3 | 226.4 | 214.0 | 183.1 | 168.7 | 195.5 | 218.1 | 222.2 | 209.9 | 211.9 |
| 75° | 1127.7 | 257.2 | 197.5 | 191.4 | 162.6 | 144.0 | 166.7 | 189.3 | 193.4 | 187.3 | 187.3 |
| 77.5° | 849.9 | 199.6 | 166.7 | 166.7 | 142.0 | 123.5 | 142.0 | 162.6 | 166.7 | 164.6 | 162.6 |
| 80° | 430.1 | 142.0 | 133.8 | 142.0 | 117.3 | 102.9 | 117.3 | 135.8 | 142.0 | 154.3 | 154.3 |
| 82.5° | 146.1 | 92.6 | 100.8 | 115.2 | 94.7 | 82.3 | 90.5 | 111.1 | 146.1 | 125.5 | 123.5 |
| 85° | 41.2 | 41.2 | 53.5 | 61.7 | 63.8 | 55.6 | 63.8 | 104.9 | 84.4 | 72.0 | 70.0 |
| 87.5° | 4.1 | 6.2 | 8.2 | 12.3 | 10.3 | 12.3 | 16.5 | 20.6 | 14.4 | 10.3 | 8.2 |
| 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)