

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: McGRAW-EDISON

Report Number: P595599

Luminaire Tested: **ISW-PA1C-722-U-T3-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1C-722-U-T3-HSS
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3581 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

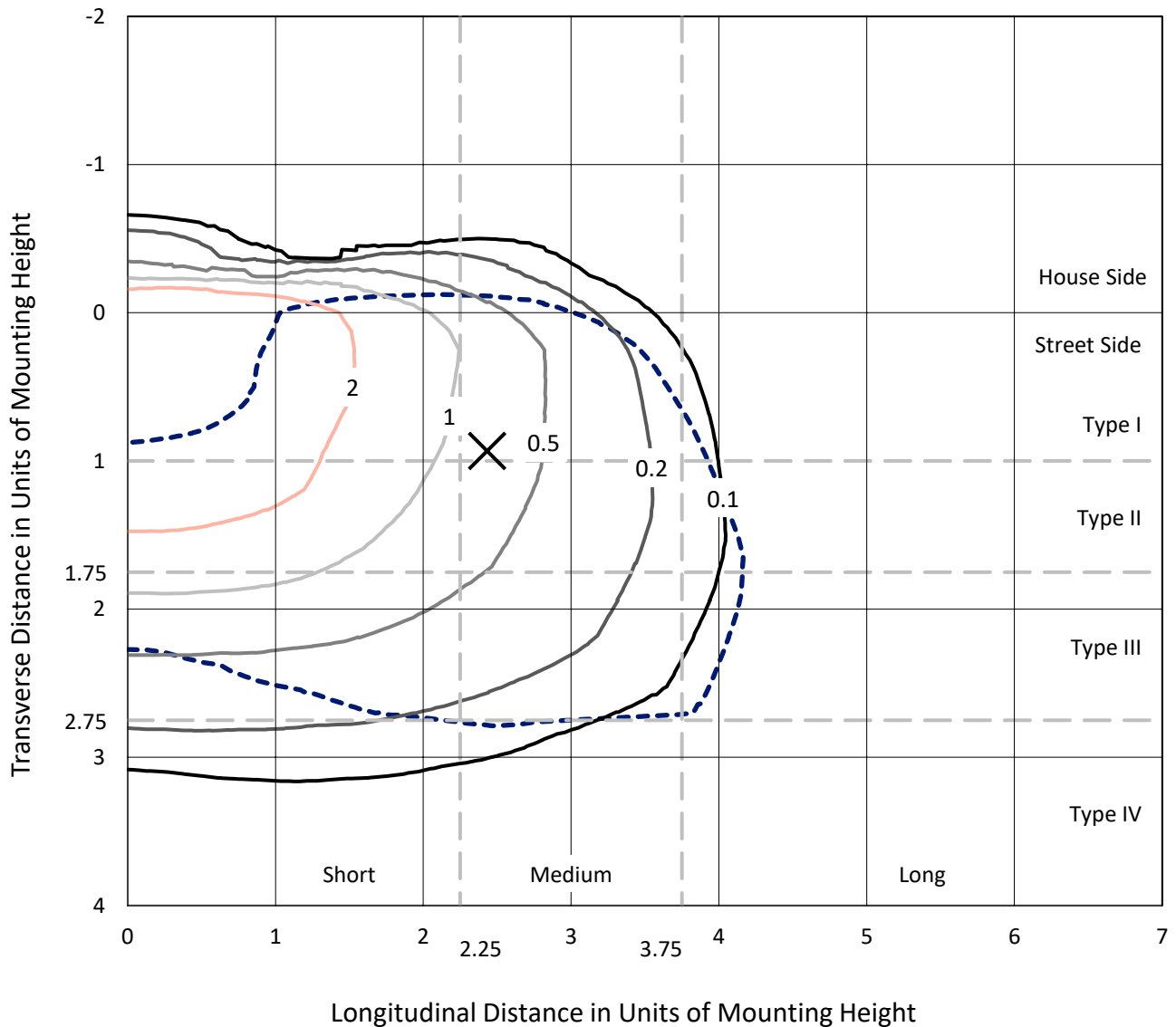
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

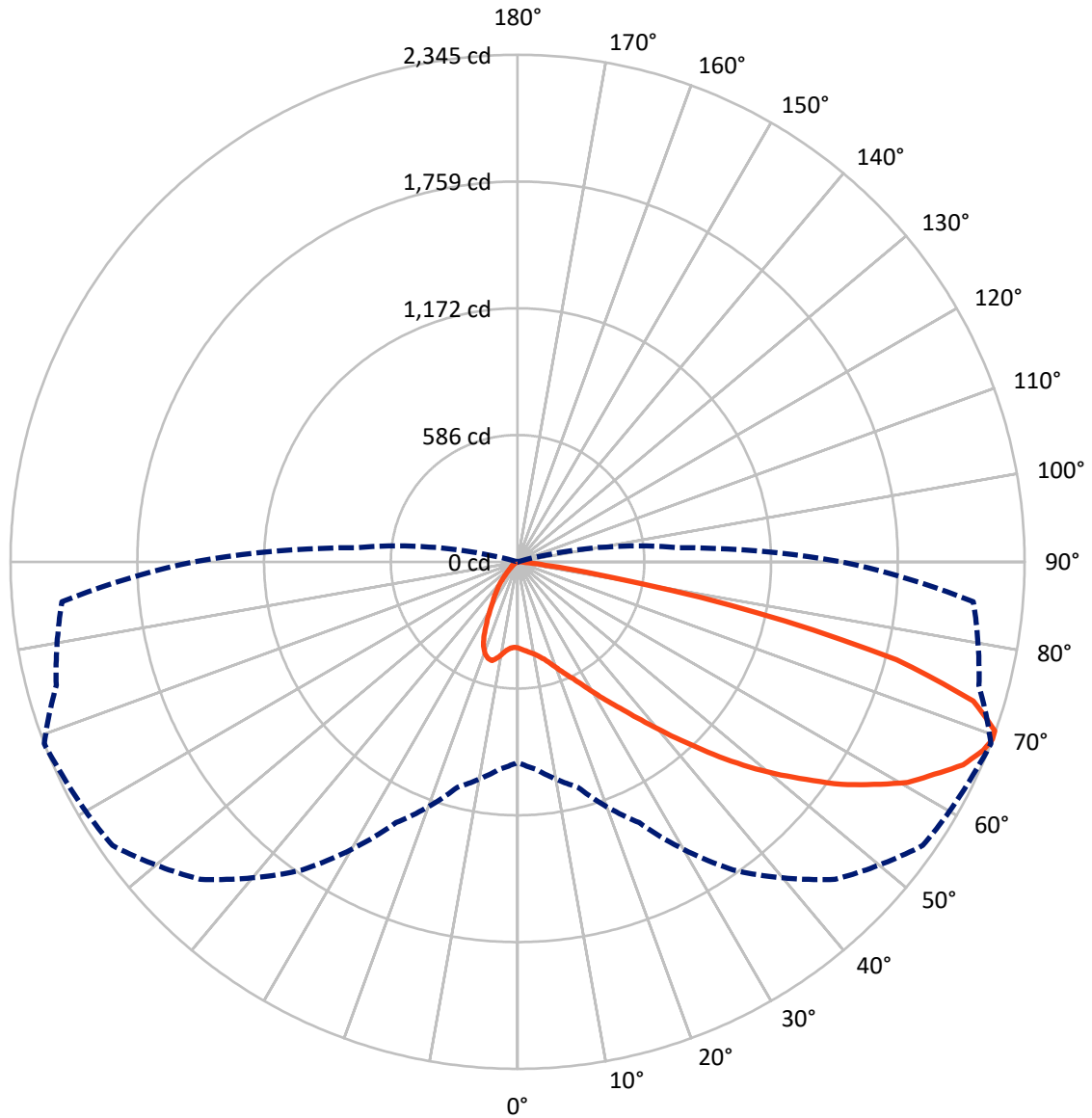
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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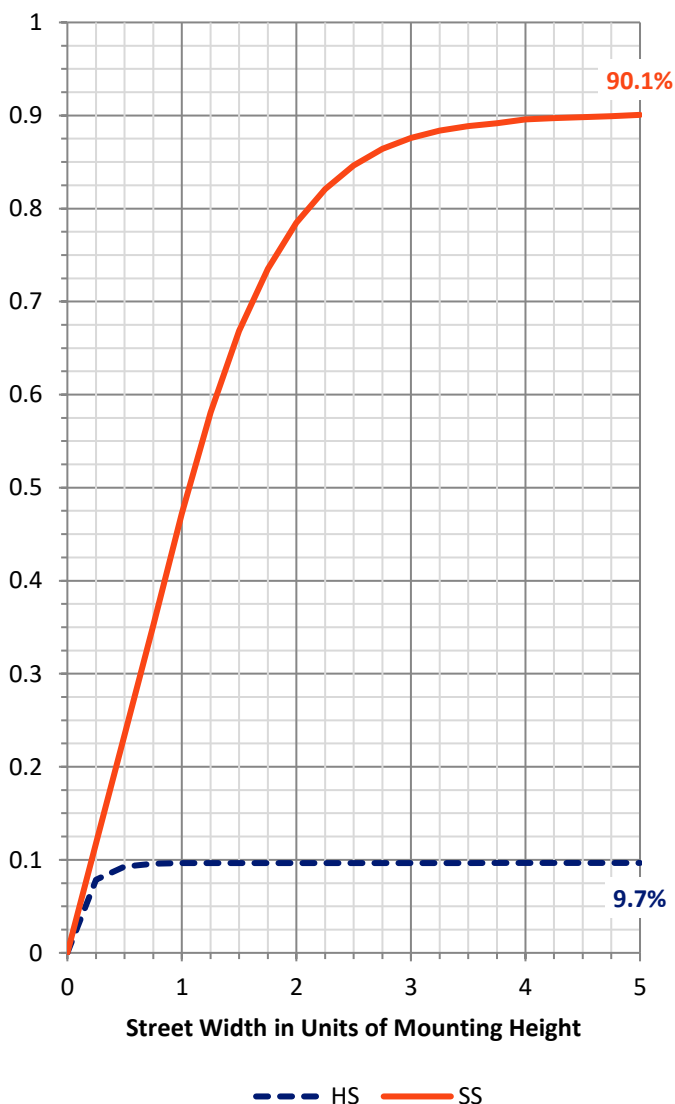
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 348.9 | 0.0 | 348.9 |
| | % Fixture | 9.7 | 0.0 | 9.7 |
| Street Side | Lumens | 3232.1 | 0.0 | 3232.1 |
| | % Fixture | 90.3 | 0.0 | 90.3 |
| Total | Lumens | 3581.0 | 0.0 | 3581.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 38.0 | 1.1 |
| 10°-20° | 100.5 | 2.8 |
| 20°-30° | 167.3 | 4.7 |
| 30°-40° | 301.2 | 8.4 |
| 40°-50° | 546.2 | 15.3 |
| 50°-60° | 853.5 | 23.8 |
| 60°-70° | 987.5 | 27.6 |
| 70°-80° | 552.3 | 15.4 |
| 80°-90° | 34.5 | 1.0 |
| 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° | 3581.0 | 100.0 |
| 0°-180° | 3581.0 | 100.0 |

Coefficient of Utilization

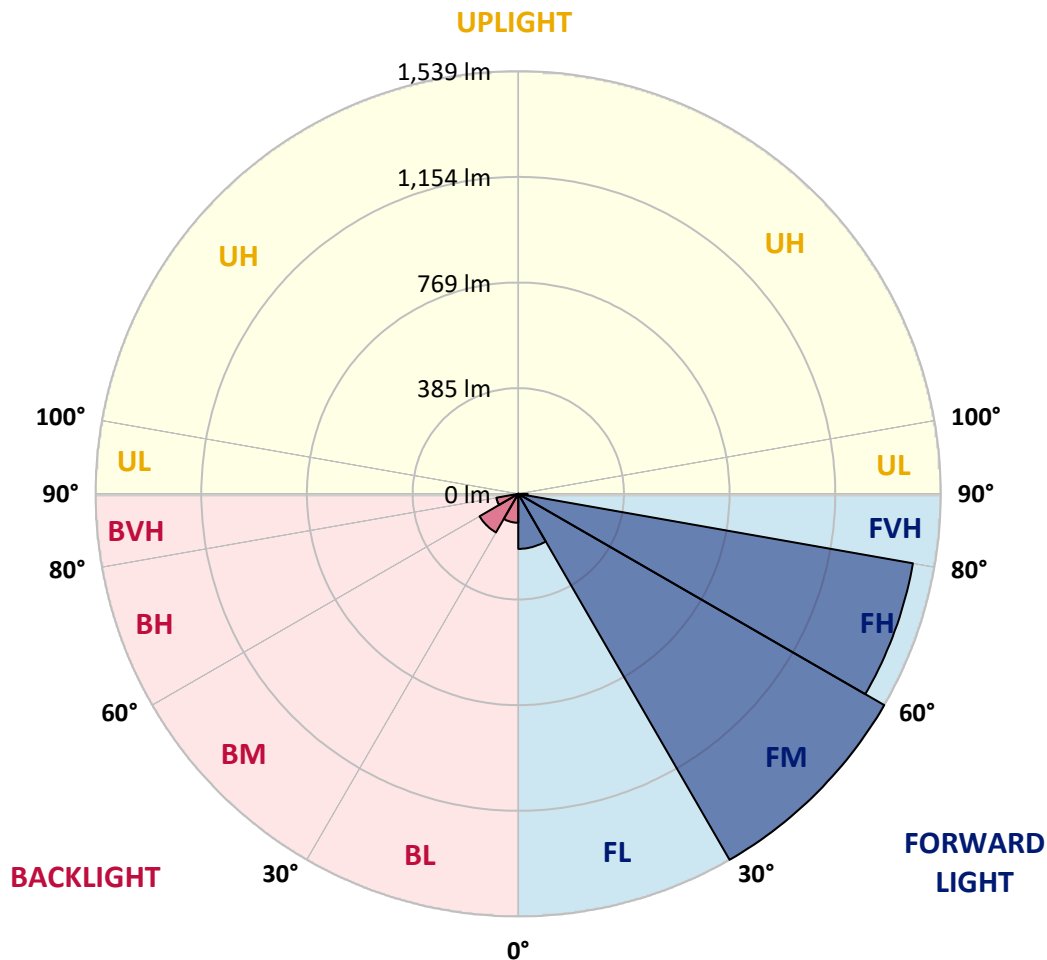


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 200.3 | 5.6 | | | |
| FM (30°-60°) | 1538.5 | 43.0 | | | |
| FH (60°-80°) | 1459.0 | 40.7 | | | G1/1800 |
| FVH (80°-90°) | 34.2 | 1.0 | | | G1/100 |
| BL (0°-30°) | 105.4 | 2.9 | B0/110 | | |
| BM (30°-60°) | 162.4 | 4.5 | B0/220 | | |
| BH (60°-80°) | 80.8 | 2.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.3 | 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 III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 69° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 |
| 2.5° | 412.6 | 412.6 | 412.6 | 410.3 | 411.4 | 410.3 | 409.1 | 405.5 | 406.7 | 405.5 | 401.9 |
| 5° | 398.3 | 399.5 | 403.1 | 405.5 | 411.4 | 413.8 | 415.0 | 415.0 | 413.8 | 411.4 | 409.1 |
| 7.5° | 370.9 | 370.9 | 374.5 | 381.6 | 393.6 | 406.7 | 417.4 | 423.4 | 424.6 | 424.6 | 421.0 |
| 10° | 363.7 | 363.7 | 368.5 | 373.3 | 385.2 | 400.7 | 417.4 | 431.7 | 434.1 | 436.5 | 435.3 |
| 12.5° | 360.2 | 361.4 | 366.1 | 374.5 | 390.0 | 404.3 | 422.2 | 442.5 | 449.6 | 455.6 | 456.8 |
| 15° | 364.9 | 364.9 | 369.7 | 378.1 | 395.9 | 416.2 | 438.9 | 461.5 | 468.7 | 477.0 | 483.0 |
| 17.5° | 372.1 | 374.5 | 376.9 | 385.2 | 401.9 | 427.0 | 456.8 | 486.6 | 494.9 | 505.7 | 510.4 |
| 20° | 384.0 | 384.0 | 386.4 | 393.6 | 411.4 | 441.3 | 483.0 | 518.8 | 525.9 | 533.1 | 539.1 |
| 22.5° | 398.3 | 399.5 | 399.5 | 405.5 | 425.8 | 458.0 | 505.7 | 549.8 | 561.7 | 565.3 | 567.7 |
| 25° | 441.3 | 438.9 | 430.5 | 427.0 | 442.5 | 477.0 | 533.1 | 586.8 | 599.9 | 603.5 | 598.7 |
| 27.5° | 530.7 | 521.2 | 498.5 | 474.7 | 472.3 | 506.9 | 570.1 | 633.3 | 647.6 | 648.8 | 632.1 |
| 30° | 642.8 | 644.0 | 607.0 | 555.8 | 521.2 | 539.1 | 610.6 | 691.7 | 706.0 | 700.1 | 673.8 |
| 32.5° | 781.2 | 775.2 | 747.8 | 673.8 | 604.6 | 589.1 | 654.7 | 752.5 | 769.2 | 759.7 | 725.1 |
| 35° | 899.2 | 902.8 | 869.4 | 803.8 | 716.8 | 666.7 | 708.4 | 820.5 | 840.8 | 824.1 | 781.2 |
| 37.5° | 998.2 | 1003.0 | 982.7 | 929.0 | 851.5 | 772.8 | 778.8 | 900.4 | 927.8 | 911.1 | 857.5 |
| 40° | 1107.9 | 1111.5 | 1103.2 | 1044.7 | 975.5 | 899.2 | 873.0 | 992.2 | 1029.2 | 1006.6 | 950.5 |
| 42.5° | 1228.4 | 1241.5 | 1227.2 | 1180.7 | 1109.1 | 1043.5 | 1004.2 | 1104.3 | 1141.3 | 1127.0 | 1051.9 |
| 45° | 1393.0 | 1394.2 | 1377.5 | 1330.9 | 1257.0 | 1203.3 | 1155.6 | 1223.6 | 1271.3 | 1253.4 | 1165.2 |
| 47.5° | 1514.6 | 1523.0 | 1513.4 | 1481.2 | 1421.6 | 1385.8 | 1320.2 | 1354.8 | 1404.9 | 1382.2 | 1282.0 |
| 50° | 1607.6 | 1630.3 | 1621.9 | 1631.5 | 1601.7 | 1586.2 | 1486.0 | 1490.8 | 1539.6 | 1520.6 | 1401.3 |
| 52.5° | 1658.9 | 1687.5 | 1689.9 | 1738.8 | 1763.9 | 1802.0 | 1647.0 | 1639.8 | 1670.8 | 1654.1 | 1523.0 |
| 55° | 1651.8 | 1658.9 | 1718.5 | 1808.0 | 1905.8 | 1992.8 | 1804.4 | 1774.6 | 1817.5 | 1771.0 | 1651.8 |
| 57.5° | 1582.6 | 1600.5 | 1705.4 | 1816.3 | 1989.3 | 2115.7 | 1940.4 | 1907.0 | 1942.7 | 1880.7 | 1784.1 |
| 60° | 1483.6 | 1509.8 | 1644.6 | 1803.2 | 2038.2 | 2189.6 | 2072.7 | 2039.3 | 2071.5 | 1996.4 | 1934.4 |
| 62.5° | 1394.2 | 1406.1 | 1530.1 | 1748.4 | 2009.5 | 2186.0 | 2175.3 | 2144.3 | 2163.4 | 2084.7 | 2063.2 |
| 65° | 1266.5 | 1271.3 | 1394.2 | 1649.4 | 1946.3 | 2162.2 | 2231.4 | 2243.3 | 2263.6 | 2158.6 | 2155.0 |
| 67.5° | 1069.8 | 1080.5 | 1202.1 | 1476.4 | 1841.4 | 2115.7 | 2275.5 | 2299.3 | 2323.2 | 2198.0 | 2171.7 |
| 69° | 927.8 | 962.4 | 1079.3 | 1330.9 | 1740.0 | 2076.3 | 2287.4 | 2325.6 | 2344.7 | 2208.7 | 2115.7 |
| 70° | 812.2 | 842.0 | 976.7 | 1218.8 | 1650.6 | 2032.2 | 2295.8 | 2322.0 | 2341.1 | 2186.0 | 2023.8 |
| 72.5° | 407.9 | 446.0 | 630.9 | 889.7 | 1311.9 | 1830.6 | 2252.8 | 2224.2 | 2203.9 | 2010.7 | 1637.4 |
| 75° | 157.4 | 163.4 | 270.7 | 506.9 | 820.5 | 1344.1 | 1923.7 | 1870.0 | 1810.4 | 1525.3 | 970.8 |
| 77.5° | 87.1 | 85.9 | 118.1 | 224.2 | 349.4 | 657.1 | 1301.1 | 1215.3 | 1133.0 | 819.3 | 393.6 |
| 80° | 37.0 | 39.4 | 51.3 | 107.3 | 183.7 | 227.8 | 632.1 | 561.7 | 447.2 | 260.0 | 94.2 |
| 82.5° | 22.7 | 23.9 | 35.8 | 65.6 | 127.6 | 87.1 | 205.1 | 175.3 | 128.8 | 70.4 | 22.7 |
| 85° | 7.2 | 8.3 | 25.0 | 44.1 | 62.0 | 35.8 | 46.5 | 40.5 | 35.8 | 29.8 | 7.2 |
| 87.5° | 1.2 | 1.2 | 9.5 | 23.9 | 16.7 | 6.0 | 4.8 | 8.3 | 13.1 | 14.3 | 2.4 |
| 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° | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 | 398.3 |
| 2.5° | 400.7 | 398.3 | 395.9 | 394.8 | 394.8 | 392.4 | 391.2 | 390.0 | 390.0 | 388.8 | 388.8 |
| 5° | 405.5 | 403.1 | 400.7 | 399.5 | 397.1 | 395.9 | 395.9 | 395.9 | 394.8 | 395.9 | 397.1 |
| 7.5° | 417.4 | 413.8 | 412.6 | 411.4 | 411.4 | 407.9 | 401.9 | 386.4 | 370.9 | 366.1 | 361.4 |
| 10° | 434.1 | 432.9 | 432.9 | 432.9 | 424.6 | 393.6 | 350.6 | 312.5 | 292.2 | 275.5 | 275.5 |
| 12.5° | 458.0 | 458.0 | 456.8 | 453.2 | 410.3 | 335.1 | 268.3 | 211.1 | 177.7 | 158.6 | 161.0 |
| 15° | 484.2 | 483.0 | 485.4 | 462.7 | 361.4 | 258.8 | 162.2 | 114.5 | 96.6 | 94.2 | 94.2 |
| 17.5° | 511.6 | 514.0 | 511.6 | 437.7 | 297.0 | 159.8 | 96.6 | 87.1 | 84.7 | 84.7 | 84.7 |
| 20° | 540.2 | 537.9 | 534.3 | 394.8 | 215.9 | 100.2 | 83.5 | 81.1 | 78.7 | 77.5 | 77.5 |
| 22.5° | 568.9 | 566.5 | 542.6 | 339.9 | 134.8 | 82.3 | 78.7 | 73.9 | 70.4 | 69.2 | 69.2 |
| 25° | 596.3 | 596.3 | 527.1 | 269.5 | 91.8 | 77.5 | 71.6 | 66.8 | 63.2 | 59.6 | 59.6 |
| 27.5° | 630.9 | 633.3 | 502.1 | 188.4 | 77.5 | 71.6 | 64.4 | 57.2 | 52.5 | 50.1 | 50.1 |
| 30° | 670.2 | 673.8 | 461.5 | 122.8 | 70.4 | 63.2 | 56.1 | 47.7 | 40.5 | 38.2 | 37.0 |
| 32.5° | 716.8 | 720.3 | 415.0 | 81.1 | 63.2 | 54.9 | 46.5 | 35.8 | 28.6 | 27.4 | 26.2 |
| 35° | 776.4 | 768.0 | 359.0 | 64.4 | 54.9 | 46.5 | 35.8 | 25.0 | 20.3 | 19.1 | 19.1 |
| 37.5° | 850.3 | 832.4 | 294.6 | 56.1 | 46.5 | 37.0 | 26.2 | 16.7 | 13.1 | 13.1 | 11.9 |
| 40° | 935.0 | 884.9 | 227.8 | 50.1 | 39.4 | 28.6 | 16.7 | 10.7 | 8.3 | 8.3 | 8.3 |
| 42.5° | 1028.0 | 929.0 | 162.2 | 44.1 | 32.2 | 20.3 | 10.7 | 6.0 | 4.8 | 4.8 | 4.8 |
| 45° | 1135.4 | 969.6 | 110.9 | 38.2 | 27.4 | 14.3 | 6.0 | 2.4 | 2.4 | 2.4 | 2.4 |
| 47.5° | 1242.7 | 995.8 | 73.9 | 33.4 | 20.3 | 8.3 | 3.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| 50° | 1351.2 | 1016.1 | 57.2 | 28.6 | 14.3 | 4.8 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 1447.8 | 1030.4 | 46.5 | 23.9 | 9.5 | 3.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 1531.3 | 1031.6 | 40.5 | 19.1 | 7.2 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 1616.0 | 1022.1 | 34.6 | 14.3 | 4.8 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1667.3 | 997.0 | 27.4 | 10.7 | 3.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 1698.3 | 955.3 | 21.5 | 7.2 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1680.4 | 902.8 | 15.5 | 4.8 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1596.9 | 821.7 | 10.7 | 3.6 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69° | 1497.9 | 747.8 | 9.5 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 1410.8 | 690.5 | 8.3 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1050.7 | 444.8 | 7.2 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 590.3 | 149.1 | 4.8 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 221.8 | 38.2 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 48.9 | 9.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 10.7 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 3.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.2 | 0.0 | 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 | 0.0 |

(END OF REPORT)