

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208773

Luminaire Tested: UPW-SA2-070-730-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8404 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

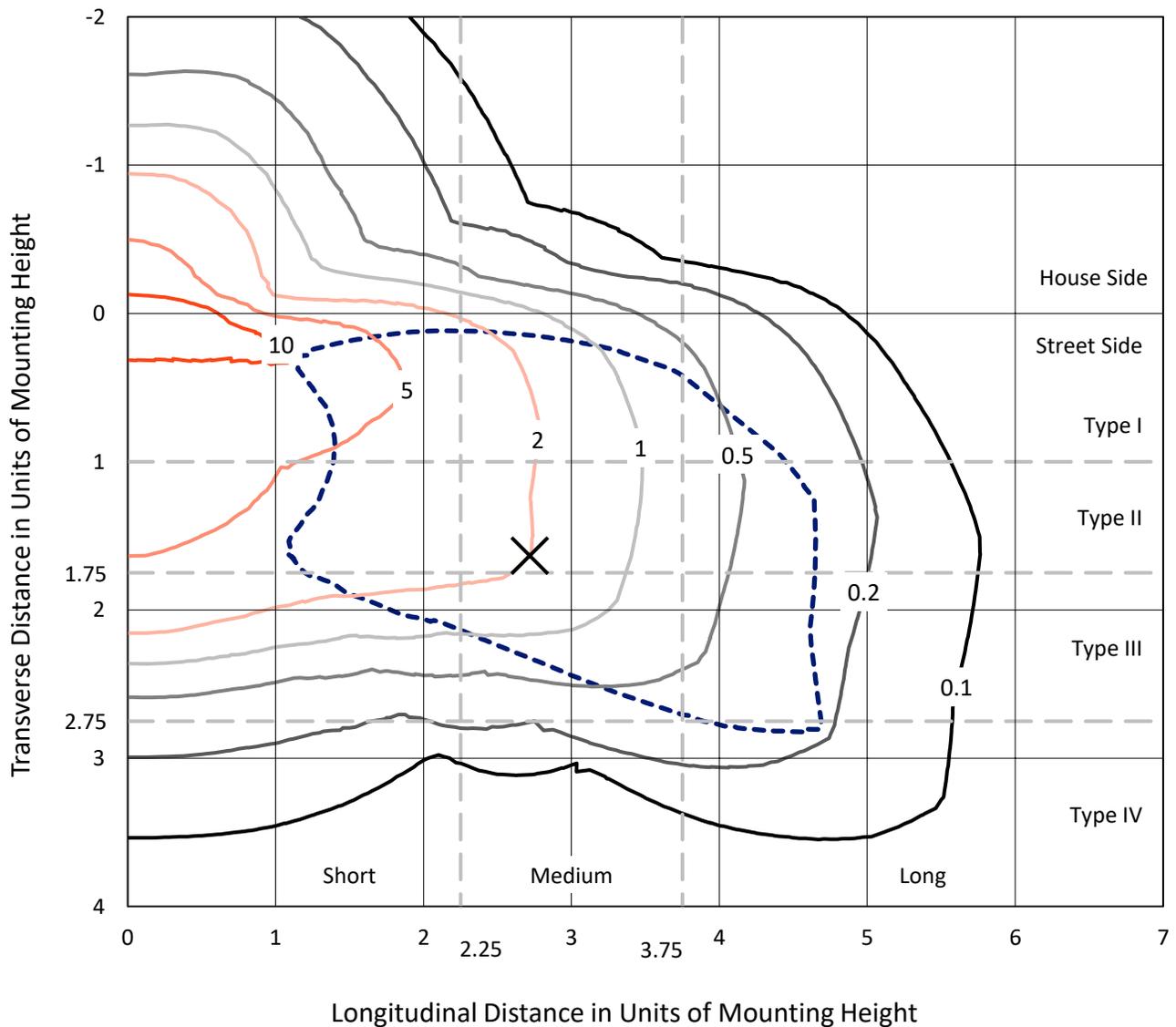


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

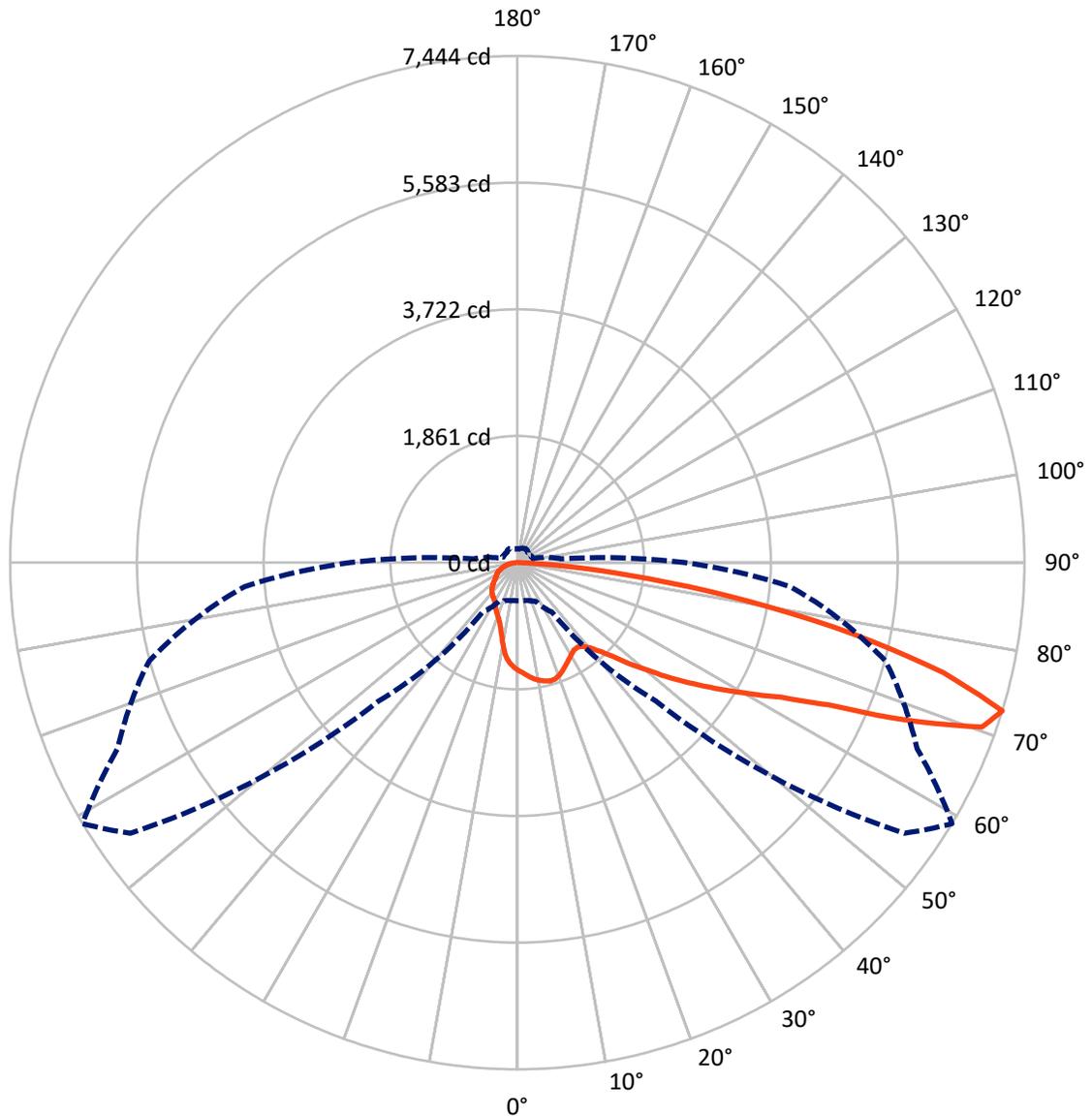


Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1430.0 | 0.0 | 1430.0 |
| | % Fixture | 17.0 | 0.0 | 17.0 |
| Street Side | Lumens | 6974.0 | 0.0 | 6974.0 |
| | % Fixture | 83.0 | 0.0 | 83.0 |
| Total | Lumens | 8404.0 | 0.0 | 8404.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 142.2 | 1.7 |
| 10°-20° | 363.0 | 4.3 |
| 20°-30° | 533.9 | 6.4 |
| 30°-40° | 733.5 | 8.7 |
| 40°-50° | 1095.7 | 13.0 |
| 50°-60° | 1669.8 | 19.9 |
| 60°-70° | 2140.2 | 25.5 |
| 70°-80° | 1479.5 | 17.6 |
| 80°-90° | 246.2 | 2.9 |
| 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° | 8404.0 | 100.0 |
| 0°-180° | 8404.0 | 100.0 |



REPORT NUMBER: P1208773

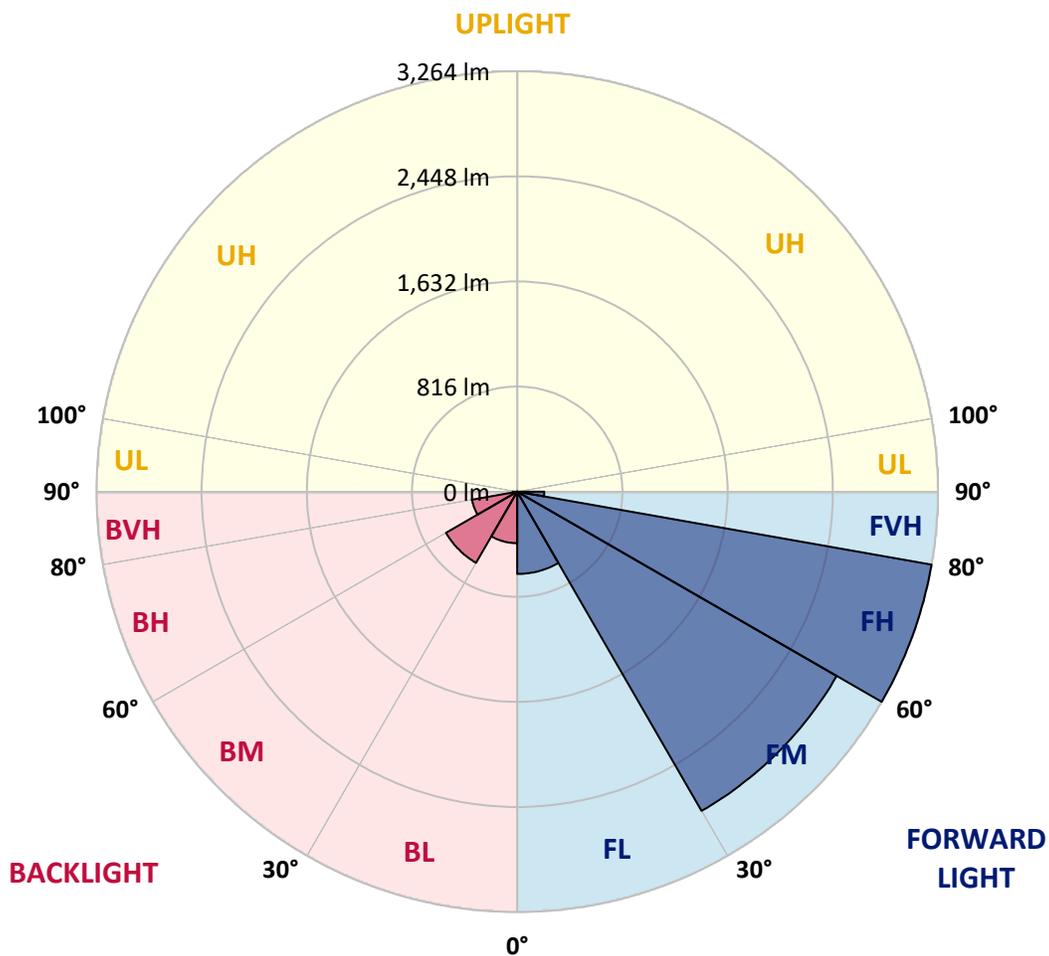
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 639.0 | 7.6 | | | |
| FM | (30°-60°) | 2861.2 | 34.0 | | | |
| FH | (60°-80°) | 3263.8 | 38.8 | | | G2/5000 |
| FVH | (80°-90°) | 210.0 | 2.5 | | | G2/225 |
| BL | (0°-30°) | 400.1 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 637.8 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 355.9 | 4.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 36.2 | 0.4 | | | 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





REPORT NUMBER: P1208773

CATALOG NUMBER: UPW-SA2-070-730-U-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 |
| 2.5° | 1649.9 | 1645.2 | 1647.5 | 1651.0 | 1641.7 | 1642.9 | 1631.2 | 1621.9 | 1614.9 | 1610.2 | 1599.8 |
| 5° | 1690.6 | 1679.0 | 1683.6 | 1694.1 | 1683.6 | 1693.0 | 1680.1 | 1673.2 | 1661.5 | 1654.5 | 1631.2 |
| 7.5° | 1656.8 | 1648.7 | 1660.3 | 1687.1 | 1700.0 | 1724.4 | 1726.8 | 1722.1 | 1717.4 | 1702.3 | 1673.2 |
| 10° | 1500.7 | 1496.1 | 1526.3 | 1597.4 | 1656.8 | 1716.3 | 1755.9 | 1755.9 | 1758.2 | 1747.7 | 1712.8 |
| 12.5° | 1302.6 | 1299.1 | 1338.8 | 1426.1 | 1542.7 | 1679.0 | 1773.4 | 1783.8 | 1802.5 | 1799.0 | 1754.7 |
| 15° | 1171.0 | 1168.6 | 1200.1 | 1270.0 | 1390.0 | 1583.4 | 1771.0 | 1806.0 | 1844.4 | 1852.6 | 1797.8 |
| 17.5° | 1103.4 | 1103.4 | 1125.5 | 1179.1 | 1261.9 | 1450.6 | 1719.8 | 1796.7 | 1874.7 | 1913.2 | 1846.8 |
| 20° | 1084.8 | 1082.4 | 1095.2 | 1127.9 | 1185.0 | 1331.8 | 1642.9 | 1764.0 | 1898.0 | 1962.1 | 1878.2 |
| 22.5° | 1094.1 | 1091.7 | 1096.4 | 1112.7 | 1145.3 | 1252.5 | 1560.1 | 1715.1 | 1910.8 | 2005.2 | 1906.2 |
| 25° | 1139.5 | 1137.2 | 1131.4 | 1130.2 | 1137.2 | 1215.3 | 1476.2 | 1660.3 | 1923.7 | 2067.0 | 1940.0 |
| 27.5° | 1228.1 | 1221.1 | 1201.3 | 1182.6 | 1164.0 | 1207.1 | 1422.6 | 1611.4 | 1940.0 | 2118.2 | 1960.9 |
| 30° | 1342.3 | 1339.9 | 1315.5 | 1280.5 | 1218.7 | 1225.7 | 1388.9 | 1566.0 | 1940.0 | 2157.9 | 1959.8 |
| 32.5° | 1426.1 | 1427.3 | 1422.6 | 1401.7 | 1314.3 | 1267.7 | 1376.0 | 1528.7 | 1936.5 | 2212.6 | 1964.4 |
| 35° | 1514.7 | 1514.7 | 1503.0 | 1503.0 | 1446.0 | 1349.2 | 1394.7 | 1525.2 | 1956.3 | 2303.5 | 1998.2 |
| 37.5° | 1665.0 | 1662.7 | 1638.2 | 1613.7 | 1571.8 | 1480.9 | 1449.4 | 1559.0 | 2011.1 | 2449.1 | 2043.7 |
| 40° | 1863.1 | 1867.7 | 1817.6 | 1750.1 | 1701.1 | 1633.5 | 1552.0 | 1645.2 | 2096.1 | 2622.8 | 2101.9 |
| 42.5° | 2101.9 | 2114.7 | 2036.7 | 1943.5 | 1858.4 | 1769.9 | 1695.3 | 1782.7 | 2246.4 | 2869.8 | 2202.1 |
| 45° | 2395.6 | 2382.7 | 2284.9 | 2160.2 | 2048.3 | 1898.0 | 1852.6 | 1960.9 | 2442.2 | 3204.2 | 2355.9 |
| 47.5° | 2650.7 | 2657.7 | 2537.7 | 2401.4 | 2262.7 | 2054.2 | 2051.8 | 2221.9 | 2700.8 | 3546.7 | 2533.0 |
| 50° | 2898.9 | 2919.9 | 2787.0 | 2643.7 | 2495.8 | 2228.9 | 2303.5 | 2480.6 | 2978.1 | 3896.3 | 2752.1 |
| 52.5° | 3093.5 | 3107.5 | 2984.0 | 2860.4 | 2713.6 | 2459.6 | 2600.6 | 2812.7 | 3258.9 | 4230.7 | 3003.8 |
| 55° | 3247.3 | 3267.1 | 3128.4 | 3025.9 | 2914.0 | 2711.3 | 2940.8 | 3140.1 | 3550.2 | 4541.8 | 3261.3 |
| 57.5° | 3455.8 | 3467.5 | 3292.7 | 3203.0 | 3098.1 | 2997.9 | 3314.9 | 3508.3 | 3862.5 | 4806.2 | 3528.1 |
| 60° | 3615.5 | 3622.5 | 3441.9 | 3413.9 | 3411.6 | 3392.9 | 3730.8 | 3903.3 | 4156.1 | 5053.3 | 3800.7 |
| 62.5° | 3476.8 | 3476.8 | 3352.1 | 3430.2 | 3713.3 | 4041.9 | 4307.6 | 4358.8 | 4459.0 | 5293.3 | 4062.9 |
| 65° | 2754.4 | 2782.4 | 2796.4 | 3058.5 | 3691.2 | 4706.0 | 5264.2 | 5038.1 | 4837.7 | 5513.5 | 4277.3 |
| 67.5° | 1446.0 | 1501.9 | 1631.2 | 2083.3 | 3043.4 | 4948.4 | 6489.9 | 6190.4 | 5374.8 | 5661.5 | 4361.2 |
| 70° | 736.4 | 752.7 | 820.3 | 1073.1 | 1915.5 | 4311.1 | 7218.1 | 7235.6 | 6015.7 | 5725.6 | 4300.6 |
| 72.5° | 559.3 | 559.3 | 574.4 | 624.5 | 885.5 | 2875.6 | 6932.6 | 7444.1 | 6474.7 | 5596.2 | 4015.1 |
| 75° | 466.1 | 471.9 | 502.2 | 509.2 | 447.4 | 1492.6 | 5623.0 | 6458.4 | 5986.5 | 5122.0 | 3507.1 |
| 77.5° | 374.0 | 377.5 | 425.3 | 453.2 | 301.8 | 638.5 | 4100.2 | 5040.4 | 4616.3 | 4139.8 | 2470.1 |
| 80° | 282.0 | 287.8 | 330.9 | 388.0 | 223.7 | 306.4 | 2762.6 | 3447.7 | 2888.4 | 2537.7 | 1140.7 |
| 82.5° | 188.8 | 191.1 | 226.0 | 306.4 | 165.5 | 170.1 | 1627.7 | 1931.8 | 1404.0 | 950.8 | 299.4 |
| 85° | 115.3 | 117.7 | 141.0 | 198.1 | 109.5 | 90.9 | 722.4 | 746.9 | 443.9 | 226.0 | 107.2 |
| 87.5° | 52.4 | 58.3 | 73.4 | 95.5 | 54.8 | 37.3 | 121.2 | 118.8 | 87.4 | 81.6 | 45.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1208773

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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 | 1582.3 |
| 2.5° | 1584.6 | 1571.8 | 1559.0 | 1541.5 | 1526.3 | 1500.7 | 1483.2 | 1465.8 | 1456.4 | 1454.1 | 1450.6 |
| 5° | 1612.6 | 1590.4 | 1553.1 | 1504.2 | 1450.6 | 1390.0 | 1332.9 | 1282.8 | 1249.0 | 1238.6 | 1243.2 |
| 7.5° | 1645.2 | 1613.7 | 1540.3 | 1446.0 | 1337.6 | 1218.7 | 1118.5 | 1053.3 | 1012.5 | 989.2 | 993.9 |
| 10° | 1674.3 | 1628.9 | 1512.4 | 1353.9 | 1168.6 | 1019.5 | 940.3 | 894.8 | 873.9 | 871.5 | 870.4 |
| 12.5° | 1703.5 | 1644.0 | 1469.3 | 1222.2 | 1017.2 | 899.5 | 859.9 | 847.1 | 844.7 | 847.1 | 845.9 |
| 15° | 1737.2 | 1652.2 | 1395.9 | 1085.9 | 910.0 | 849.4 | 836.6 | 833.1 | 834.2 | 840.1 | 838.9 |
| 17.5° | 1765.2 | 1648.7 | 1281.7 | 962.4 | 852.9 | 824.9 | 813.3 | 807.4 | 813.3 | 823.8 | 823.8 |
| 20° | 1774.5 | 1614.9 | 1150.0 | 876.2 | 821.4 | 798.1 | 781.8 | 772.5 | 779.5 | 792.3 | 794.6 |
| 22.5° | 1767.5 | 1550.8 | 1014.8 | 815.6 | 788.8 | 766.7 | 749.2 | 739.9 | 743.4 | 752.7 | 753.9 |
| 25° | 1757.0 | 1466.9 | 896.0 | 769.0 | 746.9 | 729.4 | 724.7 | 713.1 | 707.2 | 713.1 | 714.2 |
| 27.5° | 1725.6 | 1356.2 | 798.1 | 721.2 | 700.3 | 702.6 | 700.3 | 689.8 | 681.6 | 680.4 | 682.8 |
| 30° | 1655.7 | 1202.4 | 724.7 | 672.3 | 665.3 | 678.1 | 678.1 | 663.0 | 647.8 | 645.5 | 649.0 |
| 32.5° | 1571.8 | 1045.1 | 664.1 | 631.5 | 645.5 | 652.5 | 652.5 | 639.7 | 624.5 | 615.2 | 619.9 |
| 35° | 1489.1 | 896.0 | 617.5 | 603.5 | 630.3 | 636.2 | 630.3 | 625.7 | 601.2 | 577.9 | 583.7 |
| 37.5° | 1393.5 | 767.8 | 576.7 | 582.6 | 612.9 | 615.2 | 615.2 | 598.9 | 566.3 | 546.5 | 551.1 |
| 40° | 1289.8 | 671.1 | 543.0 | 563.9 | 594.2 | 594.2 | 584.9 | 574.4 | 558.1 | 538.3 | 540.6 |
| 42.5° | 1223.4 | 605.9 | 517.3 | 544.1 | 565.1 | 572.1 | 551.1 | 559.3 | 545.3 | 524.3 | 526.6 |
| 45° | 1214.1 | 565.1 | 496.4 | 513.8 | 532.5 | 530.1 | 531.3 | 537.1 | 524.3 | 496.4 | 495.2 |
| 47.5° | 1271.2 | 552.3 | 476.5 | 480.0 | 496.4 | 504.5 | 511.5 | 513.8 | 495.2 | 464.9 | 460.2 |
| 50° | 1398.2 | 574.4 | 456.7 | 449.7 | 463.7 | 482.4 | 489.4 | 492.9 | 470.7 | 439.3 | 434.6 |
| 52.5° | 1593.9 | 643.2 | 439.3 | 424.1 | 422.9 | 455.6 | 475.4 | 484.7 | 449.7 | 416.0 | 413.6 |
| 55° | 1810.6 | 736.4 | 416.0 | 402.0 | 389.2 | 434.6 | 463.7 | 474.2 | 429.9 | 385.7 | 382.2 |
| 57.5° | 2041.3 | 847.1 | 389.2 | 379.8 | 364.7 | 414.8 | 442.8 | 450.9 | 399.6 | 349.5 | 347.2 |
| 60° | 2282.5 | 946.1 | 363.5 | 355.4 | 347.2 | 388.0 | 417.1 | 419.5 | 371.7 | 321.6 | 319.3 |
| 62.5° | 2500.4 | 1013.7 | 339.1 | 329.7 | 329.7 | 356.5 | 386.8 | 384.5 | 342.6 | 295.9 | 293.6 |
| 65° | 2661.2 | 1005.5 | 316.9 | 305.3 | 309.9 | 322.7 | 349.5 | 341.4 | 311.1 | 271.5 | 269.1 |
| 67.5° | 2726.5 | 919.3 | 295.9 | 283.1 | 284.3 | 287.8 | 309.9 | 304.1 | 279.6 | 247.0 | 245.8 |
| 70° | 2658.9 | 764.3 | 269.1 | 252.8 | 250.5 | 251.7 | 273.8 | 263.3 | 245.8 | 224.9 | 223.7 |
| 72.5° | 2457.3 | 640.8 | 238.9 | 224.9 | 220.2 | 216.7 | 235.4 | 230.7 | 217.9 | 200.4 | 201.6 |
| 75° | 2154.4 | 553.4 | 206.2 | 196.9 | 188.8 | 185.3 | 200.4 | 198.1 | 188.8 | 177.1 | 177.1 |
| 77.5° | 1505.4 | 404.3 | 170.1 | 166.6 | 162.0 | 155.0 | 166.6 | 167.8 | 162.0 | 158.5 | 157.3 |
| 80° | 652.5 | 226.0 | 134.0 | 136.3 | 130.5 | 125.8 | 135.2 | 136.3 | 141.0 | 136.3 | 137.5 |
| 82.5° | 188.8 | 111.9 | 96.7 | 103.7 | 101.4 | 96.7 | 101.4 | 111.9 | 104.9 | 92.0 | 94.4 |
| 85° | 69.9 | 53.6 | 60.6 | 65.2 | 61.8 | 48.9 | 64.1 | 73.4 | 66.4 | 61.8 | 62.9 |
| 87.5° | 26.8 | 19.8 | 25.6 | 22.1 | 17.5 | 12.8 | 22.1 | 24.5 | 32.6 | 12.8 | 10.5 |
| 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)