

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: P226903

Luminaire Tested: **ISW-AF-1200-LED-E1-SL3-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-1200-LED-E1-SL3-7050-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8262 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U5 - G2

Input Watts (W): 82.7
Input Voltage (V): 120
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: 25 FT

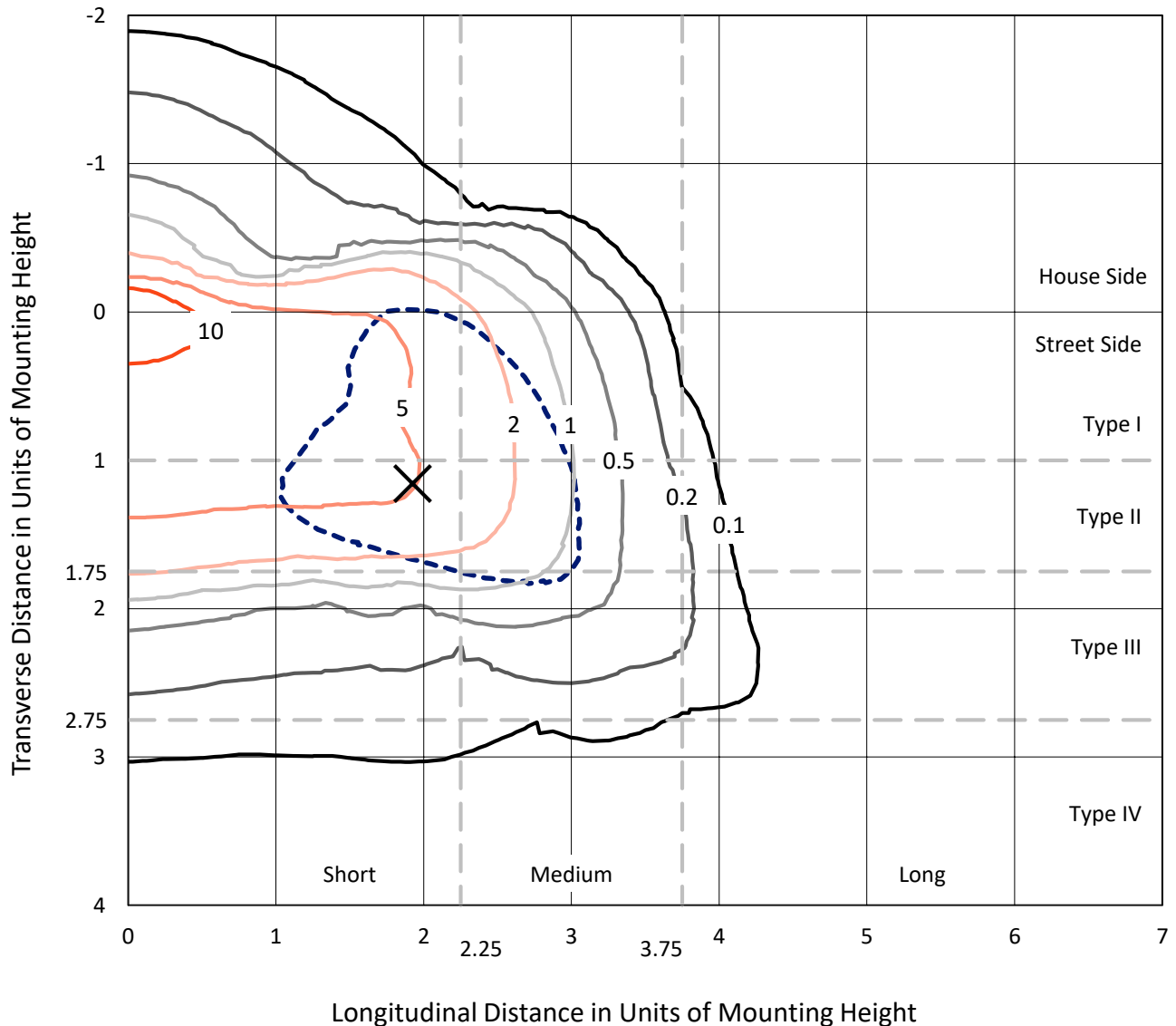


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Iso-Footcandle Lines of Horizontal Illumination

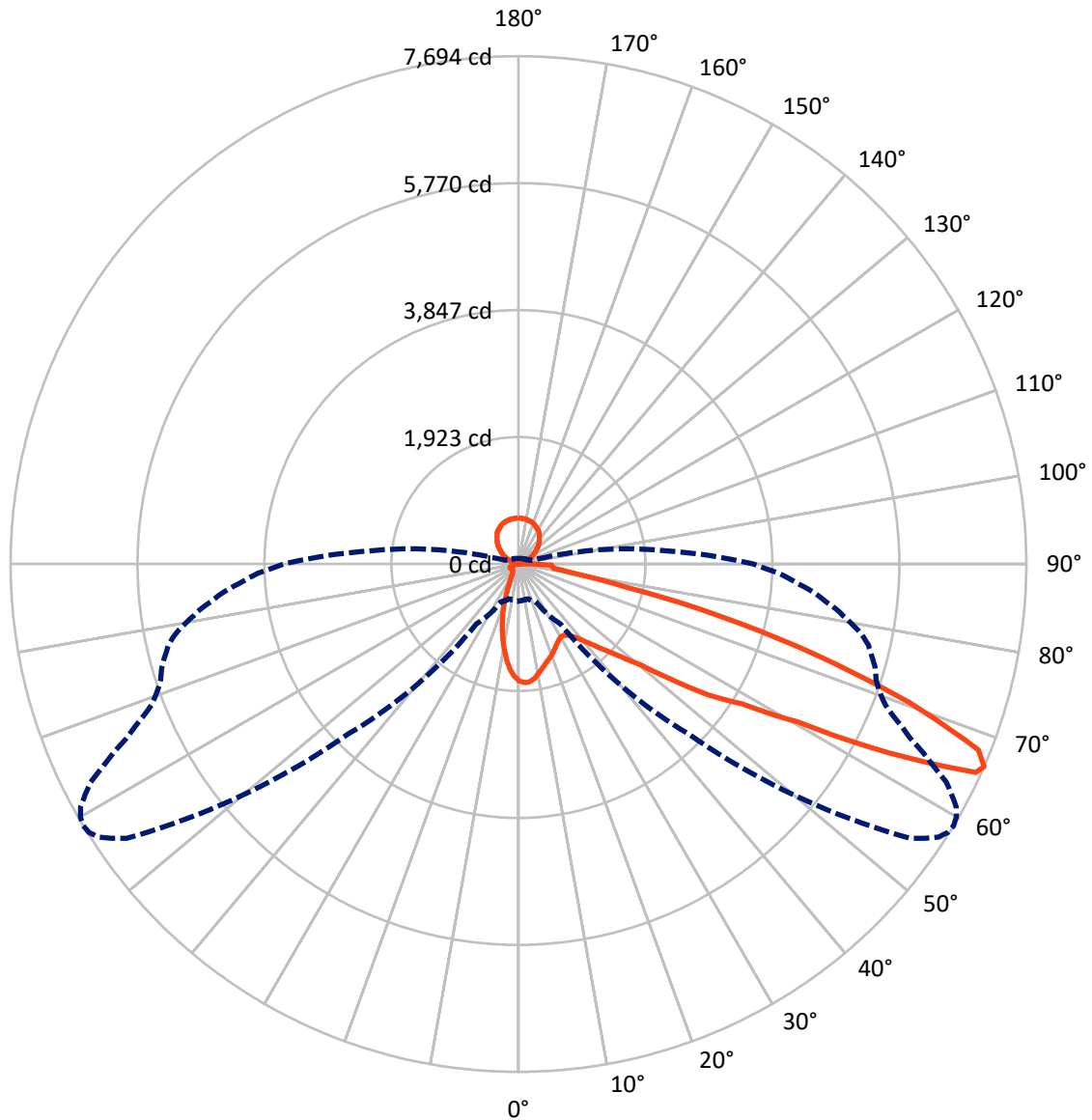
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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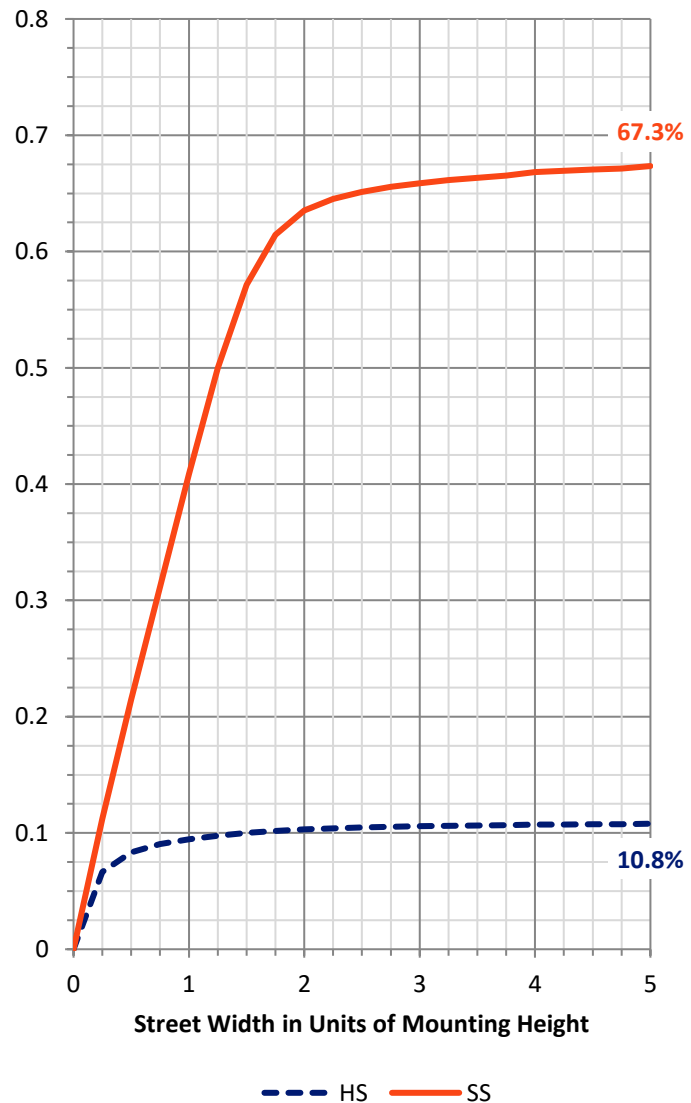
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 905.9 | 868.0 | 1773.9 |
| | % Fixture | 11.0 | 10.5 | 21.5 |
| Street Side | Lumens | 5618.1 | 870.0 | 6488.0 |
| | % Fixture | 68.0 | 10.5 | 78.5 |
| Total | Lumens | 6524.0 | 1737.9 | 8262.0 |
| | % Fixture | 79.0 | 21.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 151.1 | 1.8 |
| 10°-20° | 319.2 | 3.9 |
| 20°-30° | 400.4 | 4.8 |
| 30°-40° | 547.9 | 6.6 |
| 40°-50° | 881.4 | 10.7 |
| 50°-60° | 1531.5 | 18.5 |
| 60°-70° | 1860.8 | 22.5 |
| 70°-80° | 694.1 | 8.4 |
| 80°-90° | 137.5 | 1.7 |
| 90°-100° | 12.1 | 0.1 |
| 100°-110° | 57.4 | 0.7 |
| 110°-120° | 166.1 | 2.0 |
| 120°-130° | 273.2 | 3.3 |
| 130°-140° | 336.8 | 4.1 |
| 140°-150° | 344.6 | 4.2 |
| 150°-160° | 290.3 | 3.5 |
| 160°-170° | 191.2 | 2.3 |
| 170°-180° | 66.3 | 0.8 |
| 0°-90° | 6524.0 | 79.0 |
| 0°-180° | 8262.0 | 100.0 |

Coefficient of Utilization



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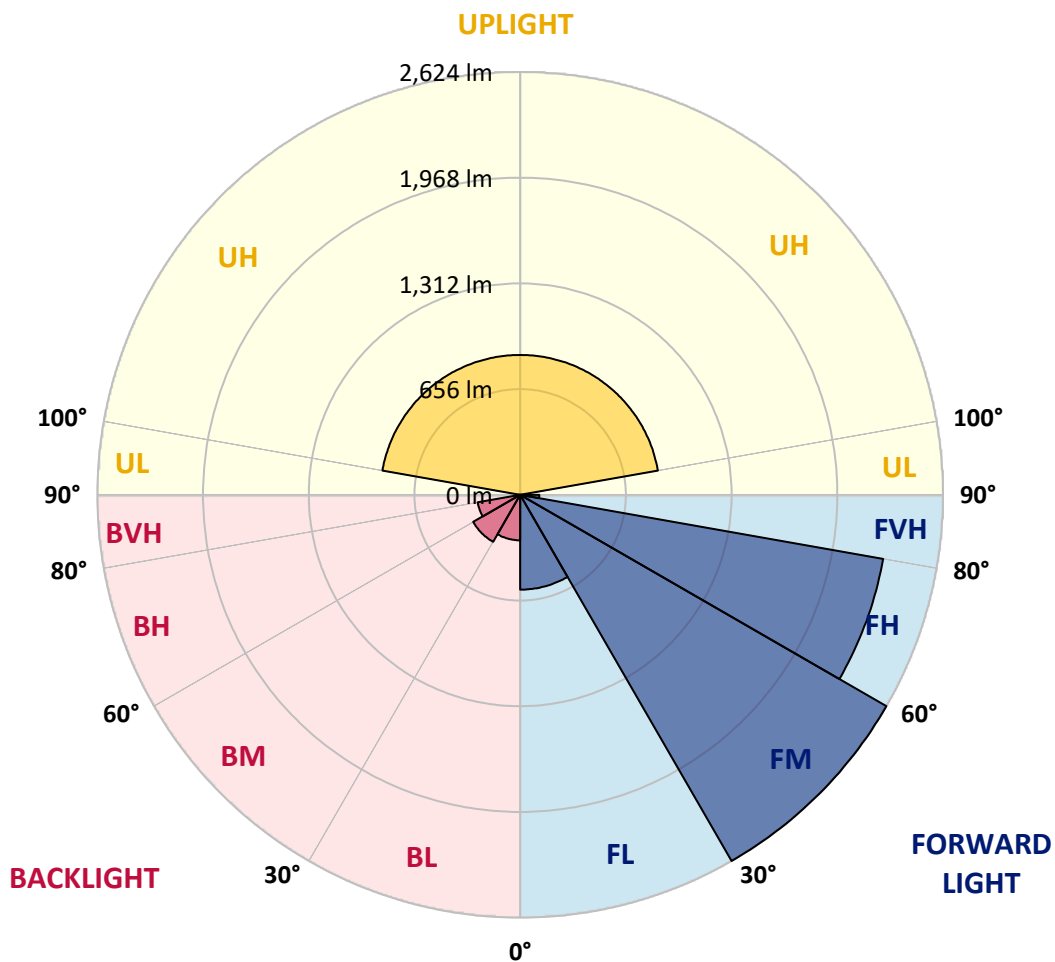
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 588.5 | 7.1 | | | |
| FM (30°-60°) | 2624.1 | 31.8 | | | |
| FH (60°-80°) | 2287.2 | 27.7 | | | G2/5000 |
| FVH (80°-90°) | 118.3 | 1.4 | | | G2/225 |
| BL (0°-30°) | 282.3 | 3.4 | B1/500 | | |
| BM (30°-60°) | 336.7 | 4.1 | B1/1000 | | |
| BH (60°-80°) | 267.7 | 3.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 19.2 | 0.2 | | | G1/100 |
| UL (90°-100°) | 12.1 | 0.1 | | U2/50 | |
| UH (100°-180°) | 868.0 | 10.5 | | U4/1000 | |

BUG Rating: B1-U5-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 |
| 2.5° | 1818.9 | 1812.9 | 1823.9 | 1819.9 | 1822.9 | 1807.9 | 1804.9 | 1801.9 | 1803.9 | 1800.9 | 1800.9 |
| 5° | 1775.9 | 1772.9 | 1785.9 | 1792.9 | 1798.9 | 1796.9 | 1795.9 | 1795.9 | 1796.9 | 1789.9 | 1790.9 |
| 7.5° | 1649.8 | 1647.8 | 1665.8 | 1678.8 | 1707.8 | 1724.8 | 1746.9 | 1747.9 | 1749.9 | 1746.9 | 1752.9 |
| 10° | 1515.7 | 1521.7 | 1537.8 | 1558.8 | 1601.8 | 1627.8 | 1669.8 | 1677.8 | 1680.8 | 1681.8 | 1682.8 |
| 12.5° | 1387.7 | 1381.7 | 1401.7 | 1441.7 | 1499.7 | 1541.8 | 1594.8 | 1598.8 | 1603.8 | 1610.8 | 1617.8 |
| 15° | 1273.6 | 1280.6 | 1296.6 | 1338.7 | 1399.7 | 1458.7 | 1527.7 | 1531.7 | 1541.8 | 1547.8 | 1557.8 |
| 17.5° | 1195.6 | 1195.6 | 1213.6 | 1252.6 | 1309.6 | 1384.7 | 1471.7 | 1478.7 | 1486.7 | 1494.7 | 1505.7 |
| 20° | 1156.6 | 1156.6 | 1163.6 | 1186.6 | 1236.6 | 1308.6 | 1413.7 | 1421.7 | 1435.7 | 1444.7 | 1459.7 |
| 22.5° | 1153.6 | 1152.6 | 1151.6 | 1156.6 | 1186.6 | 1242.6 | 1351.7 | 1362.7 | 1374.7 | 1388.7 | 1401.7 |
| 25° | 1185.6 | 1188.6 | 1176.6 | 1168.6 | 1171.6 | 1197.6 | 1292.6 | 1298.6 | 1321.6 | 1330.6 | 1346.7 |
| 27.5° | 1231.6 | 1236.6 | 1226.6 | 1214.6 | 1196.6 | 1179.6 | 1242.6 | 1252.6 | 1267.6 | 1282.6 | 1302.6 |
| 30° | 1297.6 | 1296.6 | 1295.6 | 1287.6 | 1252.6 | 1199.6 | 1227.6 | 1234.6 | 1247.6 | 1259.6 | 1276.6 |
| 32.5° | 1368.7 | 1376.7 | 1382.7 | 1378.7 | 1342.7 | 1252.6 | 1248.6 | 1254.6 | 1266.6 | 1273.6 | 1284.6 |
| 35° | 1460.7 | 1464.7 | 1487.7 | 1487.7 | 1451.7 | 1347.7 | 1307.6 | 1312.6 | 1318.6 | 1321.6 | 1329.6 |
| 37.5° | 1561.8 | 1575.8 | 1609.8 | 1629.8 | 1573.8 | 1465.7 | 1400.7 | 1400.7 | 1403.7 | 1405.7 | 1410.7 |
| 40° | 1678.8 | 1698.8 | 1745.9 | 1783.9 | 1747.9 | 1612.8 | 1522.7 | 1531.7 | 1528.7 | 1524.7 | 1535.7 |
| 42.5° | 1814.9 | 1836.9 | 1893.9 | 1929.9 | 1908.9 | 1789.9 | 1686.8 | 1680.8 | 1689.8 | 1677.8 | 1681.8 |
| 45° | 1973.0 | 1990.0 | 2048.0 | 2086.0 | 2103.0 | 2007.0 | 1901.9 | 1889.9 | 1889.9 | 1863.9 | 1874.9 |
| 47.5° | 2115.0 | 2120.0 | 2176.1 | 2243.1 | 2298.1 | 2300.1 | 2152.1 | 2144.0 | 2125.0 | 2108.0 | 2104.0 |
| 50° | 2247.1 | 2262.1 | 2298.1 | 2371.2 | 2486.2 | 2586.3 | 2496.2 | 2471.2 | 2450.2 | 2387.2 | 2406.2 |
| 52.5° | 2476.2 | 2505.2 | 2528.2 | 2572.3 | 2708.3 | 2911.4 | 3022.5 | 2983.5 | 2978.5 | 2921.4 | 2908.4 |
| 55° | 2519.2 | 2522.2 | 2598.3 | 2852.4 | 3172.5 | 3318.6 | 3531.7 | 3530.7 | 3546.7 | 3528.7 | 3511.7 |
| 57.5° | 2317.1 | 2293.1 | 2420.2 | 2755.3 | 3398.7 | 4149.0 | 4084.0 | 4091.0 | 4070.0 | 4015.0 | 3998.0 |
| 60° | 1804.9 | 1824.9 | 1962.0 | 2389.2 | 3235.6 | 4685.3 | 5114.5 | 4987.4 | 5078.5 | 4935.4 | 4858.4 |
| 62.5° | 1015.5 | 992.5 | 1085.5 | 1534.7 | 2654.3 | 4713.3 | 6518.2 | 6532.2 | 6576.2 | 6496.2 | 6308.1 |
| 65° | 655.3 | 645.3 | 636.3 | 776.4 | 1590.8 | 4123.0 | 7294.6 | 7466.6 | 7569.7 | 7611.7 | 7614.7 |
| 66° | 563.3 | 555.3 | 544.3 | 635.3 | 1108.5 | 3632.8 | 7244.5 | 7428.6 | 7592.7 | 7670.7 | 7693.8 |
| 67.5° | 479.2 | 467.2 | 465.2 | 526.3 | 771.4 | 2818.4 | 6767.3 | 7056.4 | 7201.5 | 7403.6 | 7513.7 |
| 70° | 366.2 | 360.2 | 378.2 | 454.2 | 592.3 | 1326.6 | 5392.6 | 5769.8 | 6019.9 | 6178.0 | 6280.1 |
| 72.5° | 307.1 | 305.1 | 330.2 | 415.2 | 561.3 | 752.4 | 3774.8 | 4180.0 | 4441.2 | 4592.2 | 4732.3 |
| 75° | 240.1 | 242.1 | 275.1 | 396.2 | 558.3 | 655.3 | 2193.1 | 2579.3 | 2731.3 | 2969.4 | 3151.5 |
| 77.5° | 180.1 | 178.1 | 204.1 | 320.2 | 544.3 | 664.3 | 1139.6 | 1299.6 | 1466.7 | 1587.8 | 1631.8 |
| 80° | 126.1 | 128.1 | 146.1 | 220.1 | 424.2 | 683.3 | 710.3 | 747.4 | 782.4 | 821.4 | 829.4 |
| 82.5° | 84.0 | 85.0 | 108.1 | 151.1 | 294.1 | 652.3 | 663.3 | 646.3 | 619.3 | 585.3 | 548.3 |
| 85° | 51.0 | 53.0 | 77.0 | 102.0 | 228.1 | 590.3 | 686.3 | 641.3 | 600.3 | 555.3 | 510.2 |
| 87.5° | 26.0 | 29.0 | 46.0 | 60.0 | 135.1 | 291.1 | 714.3 | 681.3 | 625.3 | 556.3 | 506.2 |
| 90° | 12.0 | 12.0 | 17.0 | 23.0 | 35.0 | 66.0 | 187.1 | 169.3 | 88.4 | 161.7 | 83.8 |
| 92.5° | 4.0 | 4.0 | 5.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 95° | 5.0 | 5.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.1 | 7.2 | 7.3 | 7.4 |
| 97.5° | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 12.0 | 11.8 | 11.6 | 11.4 | 11.2 |
| 100° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 29.0 | 28.7 | 28.4 | 28.1 | 27.8 |
| 102.5° | 11.0 | 11.0 | 13.0 | 18.0 | 27.0 | 40.0 | 50.0 | 49.7 | 49.4 | 49.1 | 48.8 |
| 105° | 21.0 | 22.0 | 27.0 | 36.0 | 48.0 | 63.0 | 72.0 | 71.8 | 71.6 | 71.4 | 71.2 |
| 107.5° | 41.0 | 42.0 | 49.0 | 58.0 | 73.0 | 88.0 | 95.0 | 94.9 | 94.8 | 94.7 | 94.6 |



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CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 68.0 | 74.0 | 87.0 | 102.0 | 114.0 | 120.0 | 120.1 | 120.2 | 120.3 | 120.4 |
| 112.5° | 99.0 | 99.0 | 106.0 | 121.0 | 134.0 | 143.0 | 148.0 | 148.2 | 148.4 | 148.6 | 148.8 |
| 115° | 140.0 | 139.0 | 147.0 | 159.0 | 168.0 | 174.0 | 179.0 | 179.3 | 179.6 | 179.9 | 180.2 |
| 117.5° | 184.0 | 184.0 | 189.0 | 197.0 | 202.0 | 205.0 | 211.0 | 211.4 | 211.8 | 212.2 | 212.6 |
| 120° | 225.0 | 223.0 | 226.0 | 233.0 | 237.0 | 243.0 | 246.0 | 246.4 | 246.8 | 247.2 | 247.6 |
| 122.5° | 263.0 | 260.0 | 261.0 | 267.0 | 271.0 | 277.0 | 279.0 | 279.4 | 279.8 | 280.2 | 280.6 |
| 125° | 298.0 | 294.0 | 296.0 | 299.0 | 305.0 | 310.0 | 313.0 | 313.2 | 313.4 | 313.6 | 313.8 |
| 127.5° | 330.0 | 329.0 | 329.0 | 333.0 | 339.0 | 340.0 | 345.0 | 345.1 | 345.2 | 345.3 | 345.4 |
| 130° | 363.0 | 361.0 | 362.0 | 366.0 | 370.0 | 372.0 | 377.0 | 377.4 | 377.8 | 378.2 | 378.6 |
| 132.5° | 396.0 | 394.0 | 393.0 | 401.0 | 404.0 | 405.0 | 411.0 | 411.5 | 412.0 | 412.5 | 413.0 |
| 135° | 429.0 | 426.0 | 426.0 | 432.0 | 435.0 | 437.0 | 443.0 | 443.5 | 444.0 | 444.5 | 445.0 |
| 137.5° | 460.0 | 457.0 | 459.0 | 460.0 | 464.0 | 468.0 | 473.0 | 473.2 | 473.4 | 473.6 | 473.8 |
| 140° | 488.0 | 485.0 | 487.0 | 489.0 | 491.0 | 497.0 | 500.0 | 500.2 | 500.4 | 500.6 | 500.8 |
| 142.5° | 518.0 | 515.0 | 517.0 | 518.0 | 521.0 | 525.0 | 527.0 | 527.6 | 528.2 | 528.8 | 529.4 |
| 145° | 550.0 | 546.0 | 544.0 | 547.0 | 550.0 | 551.0 | 556.0 | 556.6 | 557.2 | 557.8 | 558.4 |
| 147.5° | 575.0 | 572.0 | 571.0 | 574.0 | 574.0 | 575.0 | 580.0 | 580.5 | 581.0 | 581.5 | 582.0 |
| 150° | 595.0 | 592.0 | 593.0 | 593.0 | 593.0 | 593.0 | 597.0 | 597.3 | 597.6 | 597.9 | 598.2 |
| 152.5° | 611.0 | 608.0 | 608.0 | 609.0 | 610.0 | 610.0 | 611.0 | 611.3 | 611.6 | 611.9 | 612.2 |
| 155° | 629.0 | 625.0 | 625.0 | 627.0 | 630.0 | 628.0 | 626.0 | 626.5 | 627.0 | 627.5 | 628.0 |
| 157.5° | 646.0 | 643.0 | 643.0 | 644.0 | 646.0 | 645.0 | 644.0 | 644.4 | 644.8 | 645.2 | 645.6 |
| 160° | 663.0 | 660.0 | 659.0 | 656.0 | 655.0 | 655.0 | 658.0 | 658.6 | 659.2 | 659.8 | 660.4 |
| 162.5° | 673.0 | 669.0 | 669.0 | 665.0 | 661.0 | 663.0 | 667.0 | 667.4 | 667.8 | 668.2 | 668.6 |
| 165° | 681.0 | 678.0 | 676.0 | 676.0 | 673.0 | 673.0 | 672.0 | 672.5 | 673.0 | 673.5 | 674.0 |
| 167.5° | 690.0 | 687.0 | 684.0 | 686.0 | 688.0 | 685.0 | 678.0 | 678.6 | 679.2 | 679.8 | 680.4 |
| 170° | 698.0 | 695.0 | 692.0 | 692.0 | 693.0 | 691.0 | 686.0 | 686.3 | 686.6 | 686.9 | 687.2 |
| 172.5° | 699.0 | 697.0 | 695.0 | 693.0 | 690.0 | 690.0 | 689.0 | 689.3 | 689.6 | 689.9 | 690.2 |
| 175° | 700.0 | 698.0 | 697.0 | 695.0 | 691.0 | 690.0 | 690.0 | 690.5 | 691.0 | 691.5 | 692.0 |
| 177.5° | 707.0 | 705.0 | 700.0 | 699.0 | 697.0 | 695.0 | 694.0 | 694.5 | 695.0 | 695.5 | 696.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



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CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 |
| 2.5° | 1799.9 | 1801.9 | 1799.9 | 1796.9 | 1799.9 | 1796.9 | 1795.9 | 1794.9 | 1795.9 | 1793.9 | 1792.9 |
| 5° | 1790.9 | 1792.9 | 1792.9 | 1786.9 | 1785.9 | 1789.9 | 1783.9 | 1785.9 | 1783.9 | 1781.9 | 1777.9 |
| 7.5° | 1747.9 | 1748.9 | 1749.9 | 1745.9 | 1748.9 | 1748.9 | 1746.9 | 1746.9 | 1744.9 | 1745.9 | 1741.9 |
| 10° | 1687.8 | 1691.8 | 1695.8 | 1693.8 | 1692.8 | 1701.8 | 1697.8 | 1700.8 | 1700.8 | 1697.8 | 1698.8 |
| 12.5° | 1622.8 | 1629.8 | 1634.8 | 1634.8 | 1638.8 | 1648.8 | 1647.8 | 1649.8 | 1657.8 | 1657.8 | 1654.8 |
| 15° | 1562.8 | 1569.8 | 1577.8 | 1583.8 | 1591.8 | 1598.8 | 1603.8 | 1611.8 | 1615.8 | 1615.8 | 1620.8 |
| 17.5° | 1515.7 | 1525.7 | 1534.7 | 1537.8 | 1548.8 | 1560.8 | 1563.8 | 1573.8 | 1579.8 | 1582.8 | 1588.8 |
| 20° | 1469.7 | 1480.7 | 1491.7 | 1501.7 | 1511.7 | 1525.7 | 1532.7 | 1538.8 | 1548.8 | 1554.8 | 1563.8 |
| 22.5° | 1415.7 | 1432.7 | 1446.7 | 1458.7 | 1475.7 | 1487.7 | 1501.7 | 1511.7 | 1523.7 | 1532.7 | 1539.8 |
| 25° | 1364.7 | 1387.7 | 1406.7 | 1418.7 | 1441.7 | 1458.7 | 1475.7 | 1490.7 | 1505.7 | 1518.7 | 1528.7 |
| 27.5° | 1317.6 | 1343.7 | 1366.7 | 1385.7 | 1410.7 | 1437.7 | 1454.7 | 1479.7 | 1499.7 | 1517.7 | 1529.7 |
| 30° | 1294.6 | 1316.6 | 1340.7 | 1362.7 | 1387.7 | 1421.7 | 1449.7 | 1481.7 | 1506.7 | 1529.7 | 1547.8 |
| 32.5° | 1299.6 | 1319.6 | 1340.7 | 1359.7 | 1385.7 | 1423.7 | 1452.7 | 1489.7 | 1526.7 | 1556.8 | 1579.8 |
| 35° | 1339.7 | 1357.7 | 1371.7 | 1388.7 | 1411.7 | 1440.7 | 1471.7 | 1510.7 | 1556.8 | 1596.8 | 1626.8 |
| 37.5° | 1423.7 | 1428.7 | 1442.7 | 1455.7 | 1467.7 | 1494.7 | 1523.7 | 1556.8 | 1609.8 | 1651.8 | 1693.8 |
| 40° | 1527.7 | 1540.8 | 1553.8 | 1559.8 | 1573.8 | 1590.8 | 1603.8 | 1638.8 | 1685.8 | 1740.8 | 1786.9 |
| 42.5° | 1682.8 | 1687.8 | 1689.8 | 1691.8 | 1696.8 | 1708.8 | 1727.8 | 1759.9 | 1805.9 | 1854.9 | 1905.9 |
| 45° | 1856.9 | 1862.9 | 1868.9 | 1871.9 | 1864.9 | 1871.9 | 1891.9 | 1906.9 | 1952.0 | 1998.0 | 2063.0 |
| 47.5° | 2098.0 | 2080.0 | 2071.0 | 2083.0 | 2077.0 | 2092.0 | 2101.0 | 2110.0 | 2164.1 | 2219.1 | 2274.1 |
| 50° | 2407.2 | 2396.2 | 2382.2 | 2383.2 | 2394.2 | 2384.2 | 2390.2 | 2423.2 | 2441.2 | 2487.2 | 2560.2 |
| 52.5° | 2901.4 | 2867.4 | 2814.4 | 2791.4 | 2804.4 | 2796.4 | 2799.4 | 2806.4 | 2794.4 | 2837.4 | 2899.4 |
| 55° | 3511.7 | 3467.7 | 3432.7 | 3412.7 | 3338.6 | 3332.6 | 3283.6 | 3265.6 | 3226.6 | 3267.6 | 3253.6 |
| 57.5° | 3946.9 | 3918.9 | 3900.9 | 3840.9 | 3806.9 | 3738.8 | 3718.8 | 3694.8 | 3640.8 | 3667.8 | 3691.8 |
| 60° | 4787.3 | 4687.3 | 4653.3 | 4548.2 | 4513.2 | 4448.2 | 4365.1 | 4324.1 | 4296.1 | 4322.1 | 4306.1 |
| 62.5° | 6190.0 | 6051.0 | 6023.9 | 5774.8 | 5713.8 | 5563.7 | 5407.6 | 5386.6 | 5298.6 | 5243.6 | 5230.6 |
| 65° | 7559.7 | 7360.6 | 7211.5 | 6939.4 | 6755.3 | 6541.2 | 6303.1 | 6129.0 | 5949.9 | 5859.9 | 5740.8 |
| 66° | 7661.7 | 7582.7 | 7432.6 | 7273.6 | 7005.4 | 6771.3 | 6501.2 | 6313.1 | 6112.0 | 5953.9 | 5851.9 |
| 67.5° | 7487.7 | 7445.6 | 7392.6 | 7284.6 | 7116.5 | 6898.4 | 6642.2 | 6402.1 | 6160.0 | 5973.9 | 5810.8 |
| 70° | 6329.1 | 6375.1 | 6435.1 | 6407.1 | 6311.1 | 6226.0 | 5999.9 | 5865.9 | 5683.8 | 5439.7 | 5339.6 |
| 72.5° | 4777.3 | 4900.4 | 4858.4 | 4700.3 | 4626.3 | 4567.2 | 4485.2 | 4395.1 | 4134.0 | 4104.0 | 3985.9 |
| 75° | 3073.5 | 3032.5 | 3059.5 | 2867.4 | 2736.3 | 2682.3 | 2487.2 | 2407.2 | 2211.1 | 2084.0 | 1987.0 |
| 77.5° | 1619.8 | 1539.8 | 1477.7 | 1308.6 | 1187.6 | 1116.5 | 1021.5 | 909.4 | 737.4 | 727.4 | 570.3 |
| 80° | 751.4 | 690.3 | 634.3 | 575.3 | 516.3 | 438.2 | 380.2 | 310.2 | 274.1 | 235.1 | 219.1 |
| 82.5° | 510.2 | 471.2 | 437.2 | 398.2 | 353.2 | 299.1 | 258.1 | 219.1 | 187.1 | 168.1 | 153.1 |
| 85° | 462.2 | 420.2 | 382.2 | 333.2 | 286.1 | 241.1 | 197.1 | 163.1 | 133.1 | 116.1 | 106.1 |
| 87.5° | 449.2 | 397.2 | 357.2 | 304.1 | 258.1 | 212.1 | 170.1 | 132.1 | 103.1 | 84.0 | 72.0 |
| 90° | 65.0 | 69.2 | 52.4 | 50.6 | 26.8 | 32.0 | 26.0 | 19.0 | 20.0 | 17.0 | 18.0 |
| 92.5° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.5 |
| 95° | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 |
| 97.5° | 11.0 | 10.8 | 10.6 | 10.4 | 10.2 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 | 9.5 |
| 100° | 27.5 | 27.2 | 26.9 | 26.6 | 26.3 | 26.0 | 25.7 | 25.4 | 25.1 | 24.8 | 24.5 |
| 102.5° | 48.5 | 48.2 | 47.9 | 47.6 | 47.3 | 47.0 | 46.5 | 46.0 | 45.5 | 45.0 | 44.5 |
| 105° | 71.0 | 70.8 | 70.6 | 70.4 | 70.2 | 70.0 | 69.5 | 69.0 | 68.5 | 68.0 | 67.5 |
| 107.5° | 94.5 | 94.4 | 94.3 | 94.2 | 94.1 | 94.0 | 93.6 | 93.2 | 92.8 | 92.4 | 92.0 |



REPORT NUMBER: P226903

CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 120.5 | 120.6 | 120.7 | 120.8 | 120.9 | 121.0 | 120.8 | 120.6 | 120.4 | 120.2 | 120.0 |
| 112.5° | 149.0 | 149.2 | 149.4 | 149.6 | 149.8 | 150.0 | 149.9 | 149.8 | 149.7 | 149.6 | 149.5 |
| 115° | 180.5 | 180.8 | 181.1 | 181.4 | 181.7 | 182.0 | 181.7 | 181.4 | 181.1 | 180.8 | 180.5 |
| 117.5° | 213.0 | 213.4 | 213.8 | 214.2 | 214.6 | 215.0 | 214.5 | 214.0 | 213.5 | 213.0 | 212.5 |
| 120° | 248.0 | 248.4 | 248.8 | 249.2 | 249.6 | 250.0 | 249.5 | 249.0 | 248.5 | 248.0 | 247.5 |
| 122.5° | 281.0 | 281.4 | 281.8 | 282.2 | 282.6 | 283.0 | 282.5 | 282.0 | 281.5 | 281.0 | 280.5 |
| 125° | 314.0 | 314.2 | 314.4 | 314.6 | 314.8 | 315.0 | 314.5 | 314.0 | 313.5 | 313.0 | 312.5 |
| 127.5° | 345.5 | 345.6 | 345.7 | 345.8 | 345.9 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 |
| 130° | 379.0 | 379.4 | 379.8 | 380.2 | 380.6 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 132.5° | 413.5 | 414.0 | 414.5 | 415.0 | 415.5 | 416.0 | 415.8 | 415.6 | 415.4 | 415.2 | 415.0 |
| 135° | 445.5 | 446.0 | 446.5 | 447.0 | 447.5 | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.5 |
| 137.5° | 474.0 | 474.2 | 474.4 | 474.6 | 474.8 | 475.0 | 475.1 | 475.2 | 475.3 | 475.4 | 475.5 |
| 140° | 501.0 | 501.2 | 501.4 | 501.6 | 501.8 | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 | 503.0 |
| 142.5° | 530.0 | 530.6 | 531.2 | 531.8 | 532.4 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 145° | 559.0 | 559.6 | 560.2 | 560.8 | 561.4 | 562.0 | 561.9 | 561.8 | 561.7 | 561.6 | 561.5 |
| 147.5° | 582.5 | 583.0 | 583.5 | 584.0 | 584.5 | 585.0 | 585.1 | 585.2 | 585.3 | 585.4 | 585.5 |
| 150° | 598.5 | 598.8 | 599.1 | 599.4 | 599.7 | 600.0 | 600.3 | 600.6 | 600.9 | 601.2 | 601.5 |
| 152.5° | 612.5 | 612.8 | 613.1 | 613.4 | 613.7 | 614.0 | 614.4 | 614.8 | 615.2 | 615.6 | 616.0 |
| 155° | 628.5 | 629.0 | 629.5 | 630.0 | 630.5 | 631.0 | 631.5 | 632.0 | 632.5 | 633.0 | 633.5 |
| 157.5° | 646.0 | 646.4 | 646.8 | 647.2 | 647.6 | 648.0 | 648.2 | 648.4 | 648.6 | 648.8 | 649.0 |
| 160° | 661.0 | 661.6 | 662.2 | 662.8 | 663.4 | 664.0 | 663.7 | 663.4 | 663.1 | 662.8 | 662.5 |
| 162.5° | 669.0 | 669.4 | 669.8 | 670.2 | 670.6 | 671.0 | 670.9 | 670.8 | 670.7 | 670.6 | 670.5 |
| 165° | 674.5 | 675.0 | 675.5 | 676.0 | 676.5 | 677.0 | 677.3 | 677.6 | 677.9 | 678.2 | 678.5 |
| 167.5° | 681.0 | 681.6 | 682.2 | 682.8 | 683.4 | 684.0 | 684.4 | 684.8 | 685.2 | 685.6 | 686.0 |
| 170° | 687.5 | 687.8 | 688.1 | 688.4 | 688.7 | 689.0 | 689.5 | 690.0 | 690.5 | 691.0 | 691.5 |
| 172.5° | 690.5 | 690.8 | 691.1 | 691.4 | 691.7 | 692.0 | 692.2 | 692.4 | 692.6 | 692.8 | 693.0 |
| 175° | 692.5 | 693.0 | 693.5 | 694.0 | 694.5 | 695.0 | 695.1 | 695.2 | 695.3 | 695.4 | 695.5 |
| 177.5° | 696.5 | 697.0 | 697.5 | 698.0 | 698.5 | 699.0 | 699.2 | 699.4 | 699.6 | 699.8 | 700.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



REPORT NUMBER: P226903

CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 |
| 2.5° | 1790.9 | 1787.9 | 1790.9 | 1789.9 | 1785.9 | 1786.9 | 1787.9 | 1783.9 | 1781.9 | 1781.9 | 1780.9 |
| 5° | 1774.9 | 1772.9 | 1774.9 | 1773.9 | 1767.9 | 1766.9 | 1766.9 | 1763.9 | 1759.9 | 1756.9 | 1754.9 |
| 7.5° | 1736.8 | 1738.8 | 1737.8 | 1734.8 | 1731.8 | 1731.8 | 1728.8 | 1721.8 | 1717.8 | 1713.8 | 1709.8 |
| 10° | 1693.8 | 1693.8 | 1694.8 | 1693.8 | 1688.8 | 1686.8 | 1682.8 | 1678.8 | 1679.8 | 1669.8 | 1661.8 |
| 12.5° | 1655.8 | 1655.8 | 1654.8 | 1652.8 | 1649.8 | 1648.8 | 1648.8 | 1636.8 | 1633.8 | 1630.8 | 1621.8 |
| 15° | 1619.8 | 1621.8 | 1621.8 | 1621.8 | 1616.8 | 1616.8 | 1611.8 | 1603.8 | 1603.8 | 1594.8 | 1585.8 |
| 17.5° | 1591.8 | 1594.8 | 1593.8 | 1594.8 | 1595.8 | 1589.8 | 1580.8 | 1575.8 | 1569.8 | 1564.8 | 1552.8 |
| 20° | 1567.8 | 1569.8 | 1570.8 | 1570.8 | 1567.8 | 1563.8 | 1555.8 | 1547.8 | 1543.8 | 1533.7 | 1518.7 |
| 22.5° | 1545.8 | 1549.8 | 1550.8 | 1550.8 | 1546.8 | 1543.8 | 1535.7 | 1523.7 | 1515.7 | 1503.7 | 1489.7 |
| 25° | 1536.8 | 1541.8 | 1538.8 | 1540.8 | 1536.8 | 1529.7 | 1518.7 | 1508.7 | 1496.7 | 1481.7 | 1466.7 |
| 27.5° | 1539.8 | 1546.8 | 1544.8 | 1543.8 | 1538.8 | 1533.7 | 1519.7 | 1507.7 | 1493.7 | 1475.7 | 1456.7 |
| 30° | 1557.8 | 1569.8 | 1564.8 | 1560.8 | 1559.8 | 1547.8 | 1534.7 | 1517.7 | 1501.7 | 1480.7 | 1458.7 |
| 32.5° | 1591.8 | 1597.8 | 1598.8 | 1595.8 | 1590.8 | 1580.8 | 1562.8 | 1540.8 | 1522.7 | 1497.7 | 1471.7 |
| 35° | 1647.8 | 1653.8 | 1651.8 | 1651.8 | 1646.8 | 1630.8 | 1608.8 | 1586.8 | 1561.8 | 1533.7 | 1506.7 |
| 37.5° | 1725.8 | 1736.8 | 1734.8 | 1730.8 | 1724.8 | 1705.8 | 1688.8 | 1661.8 | 1633.8 | 1596.8 | 1565.8 |
| 40° | 1823.9 | 1840.9 | 1855.9 | 1852.9 | 1838.9 | 1821.9 | 1805.9 | 1774.9 | 1746.9 | 1705.8 | 1671.8 |
| 42.5° | 1956.0 | 1979.0 | 1998.0 | 2012.0 | 2006.0 | 1984.0 | 1956.0 | 1942.9 | 1902.9 | 1860.9 | 1825.9 |
| 45° | 2125.0 | 2173.1 | 2190.1 | 2207.1 | 2207.1 | 2193.1 | 2187.1 | 2161.1 | 2119.0 | 2063.0 | 2030.0 |
| 47.5° | 2348.1 | 2412.2 | 2431.2 | 2460.2 | 2477.2 | 2462.2 | 2451.2 | 2407.2 | 2379.2 | 2302.1 | 2294.1 |
| 50° | 2619.3 | 2683.3 | 2735.3 | 2769.4 | 2764.3 | 2777.4 | 2751.3 | 2726.3 | 2687.3 | 2624.3 | 2602.3 |
| 52.5° | 2965.4 | 3016.5 | 3063.5 | 3083.5 | 3104.5 | 3101.5 | 3095.5 | 3078.5 | 3029.5 | 2995.5 | 2939.4 |
| 55° | 3320.6 | 3362.6 | 3419.7 | 3452.7 | 3479.7 | 3474.7 | 3451.7 | 3410.7 | 3419.7 | 3348.6 | 3317.6 |
| 57.5° | 3724.8 | 3770.8 | 3832.9 | 3863.9 | 3875.9 | 3936.9 | 3921.9 | 3916.9 | 3899.9 | 3874.9 | 3842.9 |
| 60° | 4420.2 | 4433.2 | 4484.2 | 4562.2 | 4658.3 | 4639.3 | 4663.3 | 4679.3 | 4691.3 | 4635.3 | 4631.3 |
| 62.5° | 5248.6 | 5264.6 | 5308.6 | 5324.6 | 5338.6 | 5340.6 | 5308.6 | 5308.6 | 5253.6 | 5181.5 | 5125.5 |
| 65° | 5700.8 | 5667.8 | 5637.8 | 5620.7 | 5583.7 | 5550.7 | 5502.7 | 5437.7 | 5344.6 | 5233.6 | 5133.5 |
| 66° | 5765.8 | 5698.8 | 5659.8 | 5616.7 | 5557.7 | 5496.7 | 5439.7 | 5350.6 | 5241.6 | 5109.5 | 4977.4 |
| 67.5° | 5702.8 | 5610.7 | 5519.7 | 5456.7 | 5374.6 | 5264.6 | 5164.5 | 5060.5 | 4957.4 | 4776.3 | 4653.3 |
| 70° | 5127.5 | 5017.4 | 4917.4 | 4779.3 | 4649.3 | 4541.2 | 4369.1 | 4188.0 | 4039.0 | 3848.9 | 3727.8 |
| 72.5° | 3807.9 | 3677.8 | 3547.7 | 3353.6 | 3164.5 | 3136.5 | 2920.4 | 2707.3 | 2593.3 | 2440.2 | 2317.1 |
| 75° | 1880.9 | 1716.8 | 1483.7 | 1379.7 | 1228.6 | 1154.6 | 1113.5 | 959.5 | 922.5 | 771.4 | 769.4 |
| 77.5° | 531.3 | 456.2 | 405.2 | 353.2 | 331.2 | 315.2 | 260.1 | 249.1 | 226.1 | 222.1 | 209.1 |
| 80° | 201.1 | 190.1 | 185.1 | 180.1 | 175.1 | 172.1 | 170.1 | 162.1 | 158.1 | 152.1 | 149.1 |
| 82.5° | 145.1 | 141.1 | 132.1 | 129.1 | 125.1 | 119.1 | 118.1 | 113.1 | 110.1 | 104.1 | 102.0 |
| 85° | 98.0 | 93.0 | 88.0 | 83.0 | 81.0 | 80.0 | 77.0 | 75.0 | 73.0 | 70.0 | 69.0 |
| 87.5° | 66.0 | 61.0 | 55.0 | 53.0 | 52.0 | 53.0 | 54.0 | 52.0 | 51.0 | 49.0 | 48.0 |
| 90° | 17.0 | 20.0 | 19.0 | 19.0 | 21.0 | 18.8 | 18.6 | 19.4 | 18.2 | 18.0 | 16.8 |
| 92.5° | 6.4 | 6.3 | 6.2 | 6.1 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.4 | 7.3 | 7.2 | 7.1 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 9.4 | 9.3 | 9.2 | 9.1 | 9.0 | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4 |
| 100° | 24.2 | 23.9 | 23.6 | 23.3 | 23.0 | 22.6 | 22.2 | 21.8 | 21.4 | 21.0 | 20.6 |
| 102.5° | 44.0 | 43.5 | 43.0 | 42.5 | 42.0 | 41.7 | 41.4 | 41.1 | 40.8 | 40.5 | 40.2 |
| 105° | 67.0 | 66.5 | 66.0 | 65.5 | 65.0 | 64.6 | 64.2 | 63.8 | 63.4 | 63.0 | 62.6 |
| 107.5° | 91.6 | 91.2 | 90.8 | 90.4 | 90.0 | 89.7 | 89.4 | 89.1 | 88.8 | 88.5 | 88.2 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 119.8 | 119.6 | 119.4 | 119.2 | 119.0 | 118.7 | 118.4 | 118.1 | 117.8 | 117.5 | 117.2 | 0° |
| 112.5° | 149.4 | 149.3 | 149.2 | 149.1 | 149.0 | 148.8 | 148.6 | 148.4 | 148.2 | 148.0 | 147.8 | 2.5° |
| 115° | 180.2 | 179.9 | 179.6 | 179.3 | 179.0 | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.8 | 5° |
| 117.5° | 212.0 | 211.5 | 211.0 | 210.5 | 210.0 | 209.8 | 209.6 | 209.4 | 209.2 | 209.0 | 208.8 | 7.5° |
| 120° | 247.0 | 246.5 | 246.0 | 245.5 | 245.0 | 244.8 | 244.6 | 244.4 | 244.2 | 244.0 | 243.8 | 10° |
| 122.5° | 280.0 | 279.5 | 279.0 | 278.5 | 278.0 | 277.8 | 277.6 | 277.4 | 277.2 | 277.0 | 276.8 | 12.5° |
| 125° | 312.0 | 311.5 | 311.0 | 310.5 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 15° |
| 127.5° | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 345.9 | 345.8 | 345.7 | 345.6 | 345.5 | 345.4 | 17.5° |
| 130° | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 380.8 | 380.6 | 380.4 | 380.2 | 380.0 | 379.8 | 20° |
| 132.5° | 414.8 | 414.6 | 414.4 | 414.2 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 22.5° |
| 135° | 447.4 | 447.3 | 447.2 | 447.1 | 447.0 | 447.3 | 447.6 | 447.9 | 448.2 | 448.5 | 448.8 | 25° |
| 137.5° | 475.6 | 475.7 | 475.8 | 475.9 | 476.0 | 476.5 | 477.0 | 477.5 | 478.0 | 478.5 | 479.0 | 27.5° |
| 140° | 503.2 | 503.4 | 503.6 | 503.8 | 504.0 | 504.5 | 505.0 | 505.5 | 506.0 | 506.5 | 507.0 | 30° |
| 142.5° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.1 | 533.2 | 533.3 | 533.4 | 533.5 | 533.6 | 32.5° |
| 145° | 561.4 | 561.3 | 561.2 | 561.1 | 561.0 | 560.7 | 560.4 | 560.1 | 559.8 | 559.5 | 559.2 | 35° |
| 147.5° | 585.6 | 585.7 | 585.8 | 585.9 | 586.0 | 585.7 | 585.4 | 585.1 | 584.8 | 584.5 | 584.2 | 37.5° |
| 150° | 601.8 | 602.1 | 602.4 | 602.7 | 603.0 | 603.3 | 603.6 | 603.9 | 604.2 | 604.5 | 604.8 | 40° |
| 152.5° | 616.4 | 616.8 | 617.2 | 617.6 | 618.0 | 618.5 | 619.0 | 619.5 | 620.0 | 620.5 | 621.0 | 42.5° |
| 155° | 634.0 | 634.5 | 635.0 | 635.5 | 636.0 | 636.2 | 636.4 | 636.6 | 636.8 | 637.0 | 637.2 | 45° |
| 157.5° | 649.2 | 649.4 | 649.6 | 649.8 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 47.5° |
| 160° | 662.2 | 661.9 | 661.6 | 661.3 | 661.0 | 660.9 | 660.8 | 660.7 | 660.6 | 660.5 | 660.4 | 50° |
| 162.5° | 670.4 | 670.3 | 670.2 | 670.1 | 670.0 | 669.8 | 669.6 | 669.4 | 669.2 | 669.0 | 668.8 | 52.5° |
| 165° | 678.8 | 679.1 | 679.4 | 679.7 | 680.0 | 679.8 | 679.6 | 679.4 | 679.2 | 679.0 | 678.8 | 55° |
| 167.5° | 686.4 | 686.8 | 687.2 | 687.6 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 57.5° |
| 170° | 692.0 | 692.5 | 693.0 | 693.5 | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 60° |
| 172.5° | 693.2 | 693.4 | 693.6 | 693.8 | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 62.5° |
| 175° | 695.6 | 695.7 | 695.8 | 695.9 | 696.0 | 695.8 | 695.6 | 695.4 | 695.2 | 695.0 | 694.8 | 65° |
| 177.5° | 700.2 | 700.4 | 700.6 | 700.8 | 701.0 | 700.7 | 700.4 | 700.1 | 699.8 | 699.5 | 699.2 | 66° |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
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| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P226903
 NUMBER: ISW-AF-1200-LED-E1-SL3-7050-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 82° | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 110° | 116.9 |
| 1778.9 | 1775.9 | 1776.9 | 1772.9 | 1771.9 | 1773.9 | 1774.9 | 1774.9 | 1771.9 | 1753.9 | 1732.8 | 112.5° | 147.6 |
| 1752.9 | 1746.9 | 1745.9 | 1742.9 | 1737.8 | 1743.9 | 1740.8 | 1735.8 | 1729.8 | 1708.8 | 1667.8 | 115° | 177.6 |
| 1704.8 | 1700.8 | 1695.8 | 1691.8 | 1688.8 | 1686.8 | 1685.8 | 1680.8 | 1669.8 | 1630.8 | 1561.8 | 117.5° | 208.6 |
| 1658.8 | 1653.8 | 1647.8 | 1638.8 | 1634.8 | 1628.8 | 1628.8 | 1616.8 | 1608.8 | 1559.8 | 1457.7 | 120° | 243.6 |
| 1613.8 | 1604.8 | 1601.8 | 1595.8 | 1584.8 | 1579.8 | 1572.8 | 1560.8 | 1548.8 | 1489.7 | 1355.7 | 122.5° | 276.6 |
| 1579.8 | 1570.8 | 1557.8 | 1553.8 | 1541.8 | 1530.7 | 1521.7 | 1505.7 | 1492.7 | 1414.7 | 1248.6 | 125° | 310.0 |
| 1542.8 | 1535.7 | 1521.7 | 1512.7 | 1499.7 | 1486.7 | 1471.7 | 1451.7 | 1442.7 | 1343.7 | 1146.6 | 127.5° | 345.3 |
| 1512.7 | 1496.7 | 1480.7 | 1472.7 | 1456.7 | 1441.7 | 1426.7 | 1402.7 | 1384.7 | 1273.6 | 1038.5 | 130° | 379.6 |
| 1477.7 | 1463.7 | 1446.7 | 1432.7 | 1410.7 | 1393.7 | 1376.7 | 1351.7 | 1329.6 | 1202.6 | 929.5 | 132.5° | 414.0 |
| 1453.7 | 1433.7 | 1415.7 | 1399.7 | 1374.7 | 1354.7 | 1330.6 | 1303.6 | 1281.6 | 1134.6 | 809.4 | 135° | 449.1 |
| 1439.7 | 1419.7 | 1396.7 | 1376.7 | 1347.7 | 1324.6 | 1298.6 | 1268.6 | 1240.6 | 1079.5 | 696.3 | 137.5° | 479.5 |
| 1435.7 | 1411.7 | 1387.7 | 1362.7 | 1332.7 | 1303.6 | 1272.6 | 1242.6 | 1206.6 | 1026.5 | 573.3 | 140° | 507.5 |
| 1447.7 | 1418.7 | 1391.7 | 1361.7 | 1326.6 | 1293.6 | 1262.6 | 1223.6 | 1187.6 | 980.5 | 452.2 | 142.5° | 533.7 |
| 1480.7 | 1445.7 | 1414.7 | 1381.7 | 1341.7 | 1305.6 | 1268.6 | 1224.6 | 1184.6 | 948.5 | 346.2 | 145° | 558.9 |
| 1532.7 | 1499.7 | 1463.7 | 1430.7 | 1384.7 | 1344.7 | 1303.6 | 1256.6 | 1208.6 | 935.5 | 261.1 | 147.5° | 583.9 |
| 1637.8 | 1593.8 | 1556.8 | 1521.7 | 1468.7 | 1427.7 | 1380.7 | 1323.6 | 1269.6 | 947.5 | 218.1 | 150° | 605.1 |
| 1784.9 | 1729.8 | 1695.8 | 1664.8 | 1598.8 | 1553.8 | 1499.7 | 1434.7 | 1373.7 | 981.5 | 192.1 | 152.5° | 621.5 |
| 1988.0 | 1945.9 | 1884.9 | 1836.9 | 1769.9 | 1719.8 | 1659.8 | 1581.8 | 1513.7 | 1029.5 | 179.1 | 155° | 637.4 |
| 2242.1 | 2187.1 | 2127.0 | 2078.0 | 2005.0 | 1917.9 | 1854.9 | 1760.9 | 1683.8 | 1104.5 | 173.1 | 157.5° | 650.0 |
| 2553.2 | 2487.2 | 2406.2 | 2365.2 | 2264.1 | 2196.1 | 2112.0 | 2011.0 | 1912.9 | 1220.6 | 176.1 | 160° | 660.3 |
| 2891.4 | 2820.4 | 2757.3 | 2679.3 | 2587.3 | 2511.2 | 2431.2 | 2324.1 | 2201.1 | 1440.7 | 188.1 | 162.5° | 668.6 |
| 3248.6 | 3202.6 | 3142.5 | 3041.5 | 2991.5 | 2895.4 | 2793.4 | 2675.3 | 2586.3 | 1726.8 | 217.1 | 165° | 678.6 |
| 3768.8 | 3718.8 | 3711.8 | 3612.8 | 3536.7 | 3449.7 | 3369.6 | 3271.6 | 3166.5 | 2235.1 | 285.1 | 167.5° | 688.0 |
| 4569.2 | 4517.2 | 4458.2 | 4381.1 | 4291.1 | 4183.0 | 4084.0 | 3951.9 | 3834.9 | 2744.3 | 317.2 | 170° | 695.4 |
| 5043.5 | 4947.4 | 4841.4 | 4724.3 | 4593.2 | 4459.2 | 4326.1 | 4157.0 | 3986.9 | 2775.4 | 286.1 | 172.5° | 695.4 |
| 5003.4 | 4884.4 | 4749.3 | 4590.2 | 4452.2 | 4287.1 | 4144.0 | 3925.9 | 3770.8 | 2471.2 | 233.1 | 175° | 694.6 |
| 4855.4 | 4692.3 | 4565.2 | 4419.2 | 4246.1 | 4098.0 | 3946.9 | 3731.8 | 3554.7 | 2266.1 | 213.1 | 177.5° | 698.9 |
| 4476.2 | 4337.1 | 4161.0 | 4021.0 | 3892.9 | 3715.8 | 3573.7 | 3372.6 | 3250.6 | 1965.0 | 191.1 | 180° | 700.0 |
| 3577.7 | 3385.7 | 3236.6 | 3127.5 | 2982.5 | 2822.4 | 2696.3 | 2527.2 | 2419.2 | 1300.6 | 165.1 | | |
| 2084.0 | 2036.0 | 1868.9 | 1774.9 | 1686.8 | 1556.8 | 1456.7 | 1375.7 | 1233.6 | 630.3 | 146.1 | | |
| 642.3 | 597.3 | 591.3 | 502.2 | 531.3 | 454.2 | 442.2 | 402.2 | 402.2 | 242.1 | 115.1 | | |
| 205.1 | 201.1 | 193.1 | 182.1 | 178.1 | 178.1 | 173.1 | 172.1 | 164.1 | 130.1 | 86.0 | | |
| 145.1 | 142.1 | 139.1 | 136.1 | 134.1 | 135.1 | 131.1 | 129.1 | 127.1 | 94.0 | 68.0 | | |
| 100.0 | 97.0 | 91.0 | 91.0 | 89.0 | 88.0 | 89.0 | 85.0 | 84.0 | 66.0 | 57.0 | | |
| 68.0 | 67.0 | 66.0 | 65.0 | 64.0 | 63.0 | 62.0 | 59.0 | 57.0 | 46.0 | 40.0 | | |
| 45.0 | 38.0 | 37.0 | 32.0 | 31.0 | 30.0 | 28.0 | 30.0 | 33.0 | 33.0 | 26.0 | | |
| 17.6 | 16.4 | 17.2 | 17.0 | 15.0 | 16.0 | 16.0 | 14.0 | 14.0 | 17.0 | 18.0 | | |
| 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | | |
| 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | |
| 8.3 | 8.2 | 8.1 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | | |
| 20.2 | 19.8 | 19.4 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 23.0 | | |
| 39.9 | 39.6 | 39.3 | 39.0 | 38.8 | 38.6 | 38.4 | 38.2 | 38.0 | 39.0 | 42.0 | | |
| 62.2 | 61.8 | 61.4 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 65.0 | | |
| 87.9 | 87.6 | 87.3 | 87.0 | 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 87.0 | 90.0 | | |

'226903
 ISW-AF-1200-LED-E1-SL3-7050-ULG

REPORT NUMBER: P226903
 CATALOG NUMBER: ISW-AF-1:

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 116.6 | 116.3 | 116.0 | 116.2 | 116.4 | 116.6 | 116.8 | 117.0 | 116.0 | 119.0 | 0° | 1772.9 | 1772.9 |
| 147.4 | 147.2 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 149.0 | 2.5° | 1714.8 | 1698.8 |
| 177.4 | 177.2 | 177.0 | 177.2 | 177.4 | 177.6 | 177.8 | 178.0 | 177.0 | 179.0 | 5° | 1623.8 | 1587.8 |
| 208.4 | 208.2 | 208.0 | 208.2 | 208.4 | 208.6 | 208.8 | 209.0 | 208.0 | 210.0 | 7.5° | 1500.7 | 1430.7 |
| 243.4 | 243.2 | 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 245.0 | 10° | 1359.7 | 1258.6 |
| 276.4 | 276.2 | 276.0 | 276.2 | 276.4 | 276.6 | 276.8 | 277.0 | 276.0 | 278.0 | 12.5° | 1213.6 | 1084.5 |
| 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 15° | 1077.5 | 906.4 |
| 345.2 | 345.1 | 345.0 | 345.4 | 345.8 | 346.2 | 346.6 | 347.0 | 345.0 | 346.0 | 17.5° | 934.5 | 723.4 |
| 379.4 | 379.2 | 379.0 | 379.2 | 379.4 | 379.6 | 379.8 | 380.0 | 379.0 | 381.0 | 20° | 797.4 | 546.3 |
| 414.0 | 414.0 | 414.0 | 414.2 | 414.4 | 414.6 | 414.8 | 415.0 | 414.0 | 414.0 | 22.5° | 642.3 | 383.2 |
| 449.4 | 449.7 | 450.0 | 450.2 | 450.4 | 450.6 | 450.8 | 451.0 | 450.0 | 447.0 | 25° | 471.2 | 278.1 |
| 480.0 | 480.5 | 481.0 | 481.2 | 481.4 | 481.6 | 481.8 | 482.0 | 481.0 | 476.0 | 27.5° | 336.2 | 222.1 |
| 508.0 | 508.5 | 509.0 | 509.4 | 509.8 | 510.2 | 510.6 | 511.0 | 509.0 | 504.0 | 30° | 251.1 | 187.1 |
| 533.8 | 533.9 | 534.0 | 534.4 | 534.8 | 535.2 | 535.6 | 536.0 | 534.0 | 533.0 | 32.5° | 201.1 | 162.1 |
| 558.6 | 558.3 | 558.0 | 558.4 | 558.8 | 559.2 | 559.6 | 560.0 | 558.0 | 561.0 | 35° | 171.1 | 147.1 |
| 583.6 | 583.3 | 583.0 | 583.4 | 583.8 | 584.2 | 584.6 | 585.0 | 583.0 | 586.0 | 37.5° | 153.1 | 137.1 |
| 605.4 | 605.7 | 606.0 | 606.8 | 607.6 | 608.4 | 609.2 | 610.0 | 606.0 | 603.0 | 40° | 143.1 | 132.1 |
| 622.0 | 622.5 | 623.0 | 624.0 | 625.0 | 626.0 | 627.0 | 628.0 | 623.0 | 618.0 | 42.5° | 137.1 | 127.1 |
| 637.6 | 637.8 | 638.0 | 638.6 | 639.2 | 639.8 | 640.4 | 641.0 | 638.0 | 636.0 | 45° | 134.1 | 124.1 |
| 650.0 | 650.0 | 650.0 | 651.0 | 652.0 | 653.0 | 654.0 | 655.0 | 650.0 | 650.0 | 47.5° | 132.1 | 120.1 |
| 660.2 | 660.1 | 660.0 | 661.2 | 662.4 | 663.6 | 664.8 | 666.0 | 660.0 | 661.0 | 50° | 130.1 | 120.1 |
| 668.4 | 668.2 | 668.0 | 669.2 | 670.4 | 671.6 | 672.8 | 674.0 | 668.0 | 670.0 | 52.5° | 131.1 | 122.1 |
| 678.4 | 678.2 | 678.0 | 678.8 | 679.6 | 680.4 | 681.2 | 682.0 | 678.0 | 680.0 | 55° | 136.1 | 122.1 |
| 688.0 | 688.0 | 688.0 | 689.2 | 690.4 | 691.6 | 692.8 | 694.0 | 688.0 | 688.0 | 57.5° | 144.1 | 122.1 |
| 695.6 | 695.8 | 696.0 | 697.0 | 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 60° | 150.1 | 124.1 |
| 695.6 | 695.8 | 696.0 | 697.0 | 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 62.5° | 152.1 | 128.1 |
| 694.4 | 694.2 | 694.0 | 695.0 | 696.0 | 697.0 | 698.0 | 699.0 | 694.0 | 696.0 | 65° | 150.1 | 130.1 |
| 698.6 | 698.3 | 698.0 | 698.8 | 699.6 | 700.4 | 701.2 | 702.0 | 698.0 | 701.0 | 66° | 148.1 | 130.1 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 145.1 | 128.1 |
| | | | | | | | | | | 70° | 138.1 | 120.1 |
| | | | | | | | | | | 72.5° | 124.1 | 108.1 |
| | | | | | | | | | | 75° | 106.1 | 87.0 |
| | | | | | | | | | | 77.5° | 86.0 | 70.0 |
| | | | | | | | | | | 80° | 64.0 | 53.0 |
| | | | | | | | | | | 82.5° | 47.0 | 41.0 |
| | | | | | | | | | | 85° | 33.0 | 29.0 |
| | | | | | | | | | | 87.5° | 20.0 | 18.0 |
| | | | | | | | | | | 90° | 14.0 | 12.0 |
| | | | | | | | | | | 92.5° | 7.0 | 7.0 |
| | | | | | | | | | | 95° | 8.0 | 7.0 |
| | | | | | | | | | | 97.5° | 10.0 | 12.0 |
| | | | | | | | | | | 100° | 26.0 | 29.0 |
| | | | | | | | | | | 102.5° | 47.0 | 50.0 |
| | | | | | | | | | | 105° | 70.0 | 72.0 |
| | | | | | | | | | | 107.5° | 94.0 | 95.0 |



REPORT NUMBER: P226903

CATALOG NUMBER: ISW-AF-1200-LED-E:

200-LED-E1-SL3-7050-ULG

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|
| 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 | 1772.9 |
| 1687.8 | 1686.8 | 1661.8 | 1656.8 | 1639.8 | 1648.8 |
| 1544.8 | 1527.7 | 1482.7 | 1473.7 | 1454.7 | 1449.7 |
| 1373.7 | 1326.6 | 1290.6 | 1250.6 | 1212.6 | 1231.6 |
| 1173.6 | 1094.5 | 1015.5 | 963.5 | 942.5 | 935.5 |
| 983.5 | 841.4 | 742.4 | 640.3 | 604.3 | 617.3 |
| 753.4 | 591.3 | 459.2 | 400.2 | 366.2 | 360.2 |
| 531.3 | 379.2 | 318.2 | 303.1 | 296.1 | 296.1 |
| 360.2 | 289.1 | 266.1 | 259.1 | 259.1 | 260.1 |
| 274.1 | 243.1 | 233.1 | 234.1 | 238.1 | 239.1 |
| 227.1 | 215.1 | 210.1 | 217.1 | 225.1 | 226.1 |
| 196.1 | 193.1 | 194.1 | 203.1 | 211.1 | 212.1 |
| 172.1 | 175.1 | 179.1 | 187.1 | 194.1 | 196.1 |
| 155.1 | 160.1 | 163.1 | 168.1 | 172.1 | 173.1 |
| 143.1 | 149.1 | 148.1 | 151.1 | 154.1 | 155.1 |
| 136.1 | 139.1 | 136.1 | 138.1 | 138.1 | 140.1 |
| 130.1 | 131.1 | 126.1 | 127.1 | 129.1 | 129.1 |
| 124.1 | 123.1 | 118.1 | 120.1 | 123.1 | 124.1 |
| 118.1 | 116.1 | 112.1 | 116.1 | 121.1 | 122.1 |
| 113.1 | 111.1 | 109.1 | 114.1 | 120.1 | 121.1 |
| 111.1 | 109.1 | 107.1 | 114.1 | 120.1 | 121.1 |
| 111.1 | 109.1 | 107.1 | 112.1 | 118.1 | 119.1 |
| 112.1 | 110.1 | 106.1 | 111.1 | 115.1 | 116.1 |
| 113.1 | 111.1 | 104.1 | 107.1 | 109.1 | 110.1 |
| 113.1 | 109.1 | 102.0 | 103.1 | 103.1 | 104.1 |
| 111.1 | 106.1 | 98.0 | 98.0 | 97.0 | 97.0 |
| 111.1 | 102.0 | 94.0 | 92.0 | 90.0 | 90.0 |
| 110.1 | 101.0 | 93.0 | 90.0 | 87.0 | 87.0 |
| 108.1 | 99.0 | 91.0 | 87.0 | 84.0 | 84.0 |
| 101.0 | 95.0 | 86.0 | 82.0 | 79.0 | 78.0 |
| 90.0 | 87.0 | 80.0 | 77.0 | 74.0 | 73.0 |
| 76.0 | 77.0 | 73.0 | 71.0 | 68.0 | 67.0 |
| 64.0 | 66.0 | 64.0 | 63.0 | 61.0 | 60.0 |
| 51.0 | 55.0 | 53.0 | 53.0 | 54.0 | 52.0 |
| 39.0 | 44.0 | 42.0 | 44.0 | 46.0 | 43.0 |
| 27.0 | 32.0 | 32.0 | 33.0 | 34.0 | 32.0 |
| 17.0 | 21.0 | 20.0 | 21.0 | 21.0 | 20.0 |
| 11.0 | 15.0 | 12.0 | 13.0 | 10.0 | 9.0 |
| 6.0 | 6.0 | 6.0 | 5.0 | 4.0 | 4.0 |
| 7.0 | 7.0 | 7.0 | 6.0 | 5.0 | 5.0 |
| 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 |
| 21.0 | 12.0 | 10.0 | 9.0 | 8.0 | 8.0 |
| 40.0 | 27.0 | 18.0 | 13.0 | 11.0 | 11.0 |
| 63.0 | 48.0 | 36.0 | 27.0 | 22.0 | 21.0 |
| 88.0 | 73.0 | 58.0 | 49.0 | 42.0 | 41.0 |

CANDELA DISTRIBUTION (continued):

| | 115° | 125° | 135° |
|--------|-------|-------|-------|
| 110° | 121.0 | 120.0 | 114.0 |
| 112.5° | 150.0 | 148.0 | 143.0 |
| 115° | 182.0 | 179.0 | 174.0 |
| 117.5° | 215.0 | 211.0 | 205.0 |
| 120° | 250.0 | 246.0 | 243.0 |
| 122.5° | 283.0 | 279.0 | 277.0 |
| 125° | 315.0 | 313.0 | 310.0 |
| 127.5° | 346.0 | 345.0 | 340.0 |
| 130° | 381.0 | 377.0 | 372.0 |
| 132.5° | 416.0 | 411.0 | 405.0 |
| 135° | 448.0 | 443.0 | 437.0 |
| 137.5° | 475.0 | 473.0 | 468.0 |
| 140° | 502.0 | 500.0 | 497.0 |
| 142.5° | 533.0 | 527.0 | 525.0 |
| 145° | 562.0 | 556.0 | 551.0 |
| 147.5° | 585.0 | 580.0 | 575.0 |
| 150° | 600.0 | 597.0 | 593.0 |
| 152.5° | 614.0 | 611.0 | 610.0 |
| 155° | 631.0 | 626.0 | 628.0 |
| 157.5° | 648.0 | 644.0 | 645.0 |
| 160° | 664.0 | 658.0 | 655.0 |
| 162.5° | 671.0 | 667.0 | 663.0 |
| 165° | 677.0 | 672.0 | 673.0 |
| 167.5° | 684.0 | 678.0 | 685.0 |
| 170° | 689.0 | 686.0 | 691.0 |
| 172.5° | 692.0 | 689.0 | 690.0 |
| 175° | 695.0 | 690.0 | 690.0 |
| 177.5° | 699.0 | 694.0 | 695.0 |
| 180° | 700.0 | 700.0 | 700.0 |



1-SL3-7050-ULG

| 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 102.0 | 87.0 | 74.0 | 68.0 | 66.0 |
| 134.0 | 121.0 | 106.0 | 99.0 | 99.0 |
| 168.0 | 159.0 | 147.0 | 139.0 | 140.0 |
| 202.0 | 197.0 | 189.0 | 184.0 | 184.0 |
| 237.0 | 233.0 | 226.0 | 223.0 | 225.0 |
| 271.0 | 267.0 | 261.0 | 260.0 | 263.0 |
| 305.0 | 299.0 | 296.0 | 294.0 | 298.0 |
| 339.0 | 333.0 | 329.0 | 329.0 | 330.0 |
| 370.0 | 366.0 | 362.0 | 361.0 | 363.0 |
| 404.0 | 401.0 | 393.0 | 394.0 | 396.0 |
| 435.0 | 432.0 | 426.0 | 426.0 | 429.0 |
| 464.0 | 460.0 | 459.0 | 457.0 | 460.0 |
| 491.0 | 489.0 | 487.0 | 485.0 | 488.0 |
| 521.0 | 518.0 | 517.0 | 515.0 | 518.0 |
| 550.0 | 547.0 | 544.0 | 546.0 | 550.0 |
| 574.0 | 574.0 | 571.0 | 572.0 | 575.0 |
| 593.0 | 593.0 | 593.0 | 592.0 | 595.0 |
| 610.0 | 609.0 | 608.0 | 608.0 | 611.0 |
| 630.0 | 627.0 | 625.0 | 625.0 | 629.0 |
| 646.0 | 644.0 | 643.0 | 643.0 | 646.0 |
| 655.0 | 656.0 | 659.0 | 660.0 | 663.0 |
| 661.0 | 665.0 | 669.0 | 669.0 | 673.0 |
| 673.0 | 676.0 | 676.0 | 678.0 | 681.0 |
| 688.0 | 686.0 | 684.0 | 687.0 | 690.0 |
| 693.0 | 692.0 | 692.0 | 695.0 | 698.0 |
| 690.0 | 693.0 | 695.0 | 697.0 | 699.0 |
| 691.0 | 695.0 | 697.0 | 698.0 | 700.0 |
| 697.0 | 699.0 | 700.0 | 705.0 | 707.0 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |

(END OF REPORT)