

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: P226935

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)
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
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6672.7 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G2

Input Watts (W): 66
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

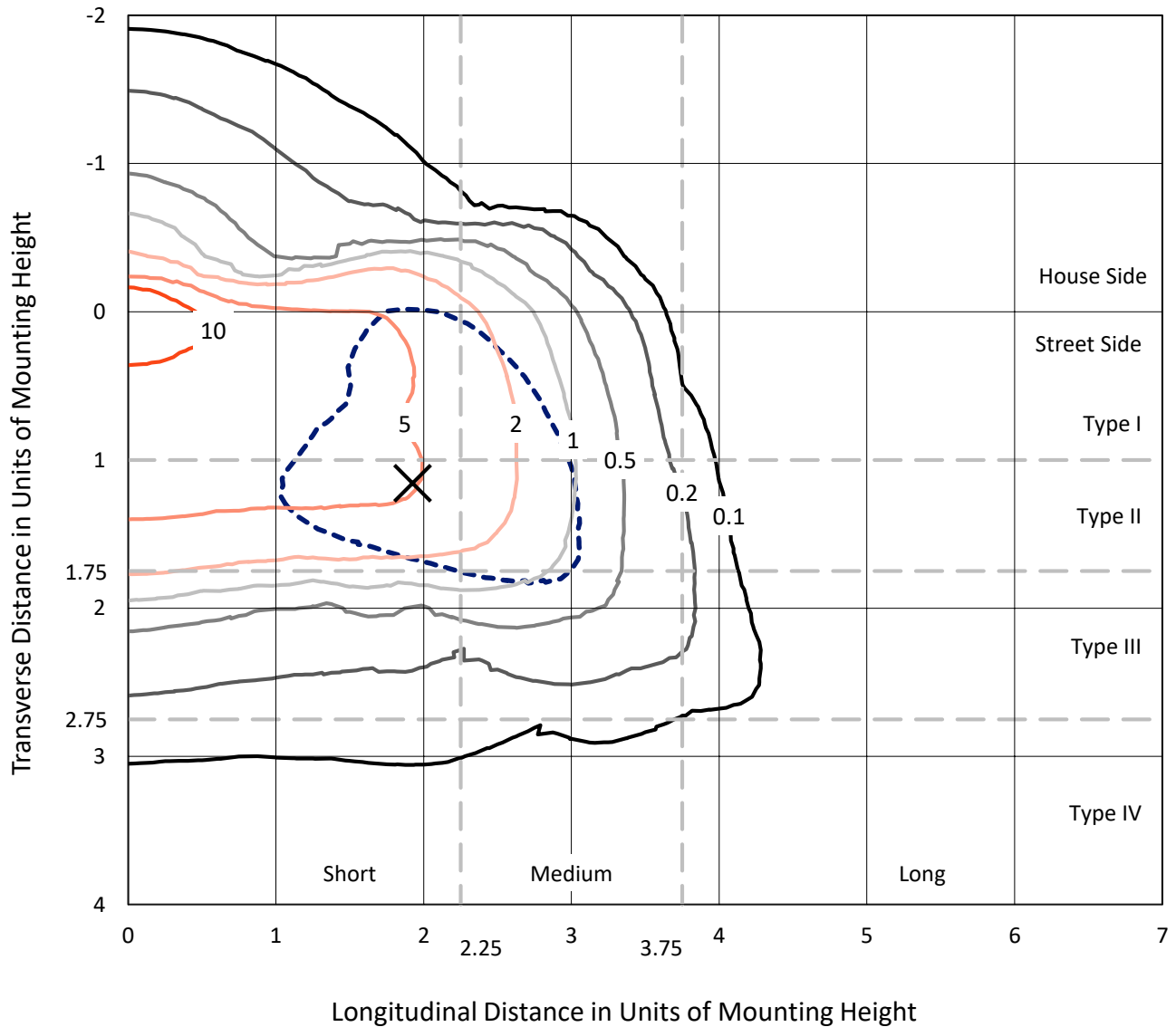


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

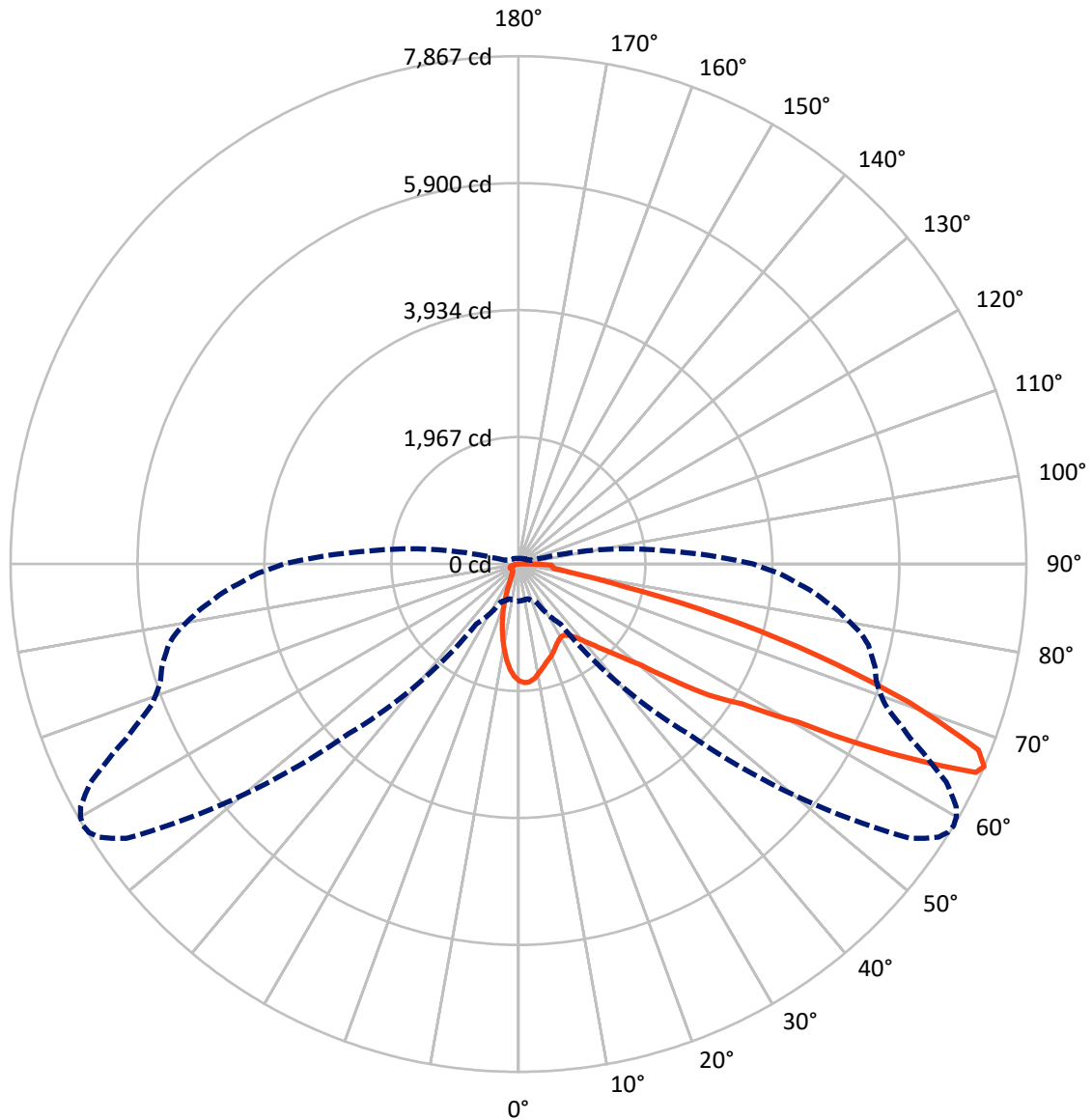


Based on 10 foot mounting height. Maximum calculated value = 18.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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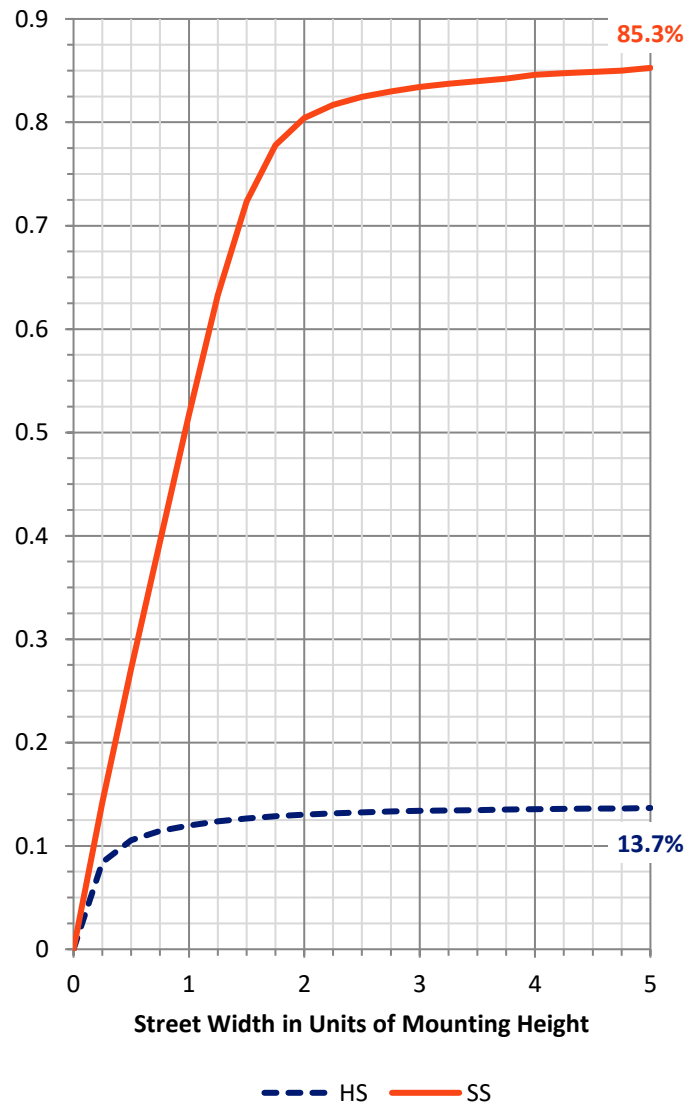
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 925.8 | 0.4 | 926.2 |
| | % Fixture | 13.9 | 0.0 | 13.9 |
| Street Side | Lumens | 5744.0 | 2.4 | 5746.5 |
| | % Fixture | 86.1 | 0.0 | 86.1 |
| Total | Lumens | 6669.8 | 2.9 | 6672.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 154.5 | 2.3 |
| 10°-20° | 326.4 | 4.9 |
| 20°-30° | 409.5 | 6.1 |
| 30°-40° | 560.2 | 8.4 |
| 40°-50° | 901.2 | 13.5 |
| 50°-60° | 1566.0 | 23.5 |
| 60°-70° | 1902.7 | 28.5 |
| 70°-80° | 709.8 | 10.6 |
| 80°-90° | 139.6 | 2.1 |
| 90°-100° | 2.9 | 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° | 6669.8 | 100.0 |
| 0°-180° | 6672.7 | 100.0 |



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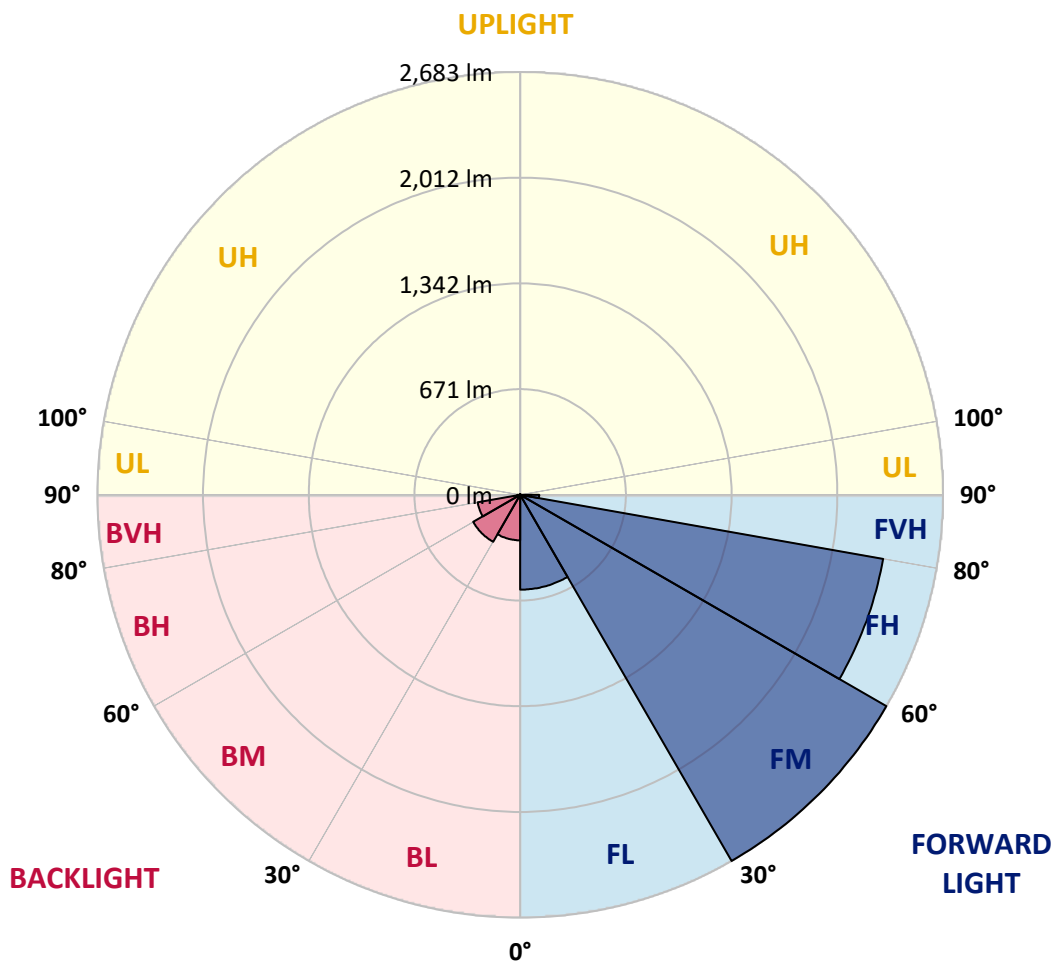
CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 601.7 | 9.0 | | | |
| FM | (30°-60°) | 2683.2 | 40.2 | | | |
| FH | (60°-80°) | 2338.7 | 35.0 | | | G2/5000 |
| FVH | (80°-90°) | 120.4 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 288.7 | 4.3 | B1/500 | | |
| BM | (30°-60°) | 344.2 | 5.2 | B1/1000 | | |
| BH | (60°-80°) | 273.7 | 4.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.2 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 2.9 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 0.4 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G2

Type II Short





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

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 |
| 2.5° | 1859.8 | 1853.7 | 1864.9 | 1860.8 | 1863.9 | 1848.6 | 1845.5 | 1842.4 | 1844.5 | 1841.4 | 1841.4 |
| 5° | 1815.8 | 1812.8 | 1826.1 | 1833.2 | 1839.4 | 1837.3 | 1836.3 | 1836.3 | 1837.3 | 1830.2 | 1831.2 |
| 7.5° | 1686.9 | 1684.9 | 1703.3 | 1716.6 | 1746.3 | 1763.7 | 1786.2 | 1787.2 | 1789.2 | 1786.2 | 1792.3 |
| 10° | 1549.9 | 1556.0 | 1572.4 | 1593.9 | 1637.8 | 1664.4 | 1707.4 | 1715.6 | 1718.7 | 1719.7 | 1720.7 |
| 12.5° | 1418.9 | 1412.8 | 1433.3 | 1474.2 | 1533.5 | 1576.5 | 1630.7 | 1634.8 | 1639.9 | 1647.1 | 1654.2 |
| 15° | 1302.3 | 1309.5 | 1325.8 | 1368.8 | 1431.2 | 1491.6 | 1562.1 | 1566.2 | 1576.5 | 1582.6 | 1592.8 |
| 17.5° | 1222.5 | 1222.5 | 1240.9 | 1280.8 | 1339.1 | 1415.9 | 1504.9 | 1512.0 | 1520.2 | 1528.4 | 1539.6 |
| 20° | 1182.6 | 1182.6 | 1189.8 | 1213.3 | 1264.5 | 1338.1 | 1445.5 | 1453.7 | 1468.0 | 1477.2 | 1492.6 |
| 22.5° | 1179.6 | 1178.5 | 1177.5 | 1182.6 | 1213.3 | 1270.6 | 1382.1 | 1393.4 | 1405.6 | 1420.0 | 1433.3 |
| 25° | 1212.3 | 1215.4 | 1203.1 | 1194.9 | 1198.0 | 1224.6 | 1321.8 | 1327.9 | 1351.4 | 1360.6 | 1377.0 |
| 27.5° | 1259.4 | 1264.5 | 1254.2 | 1242.0 | 1223.6 | 1206.2 | 1270.6 | 1280.8 | 1296.2 | 1311.5 | 1332.0 |
| 30° | 1326.9 | 1325.8 | 1324.8 | 1316.6 | 1280.8 | 1226.6 | 1255.3 | 1262.4 | 1275.7 | 1288.0 | 1305.4 |
| 32.5° | 1399.5 | 1407.7 | 1413.8 | 1409.7 | 1372.9 | 1280.8 | 1276.7 | 1282.9 | 1295.2 | 1302.3 | 1313.6 |
| 35° | 1493.6 | 1497.7 | 1521.2 | 1521.2 | 1484.4 | 1378.0 | 1337.1 | 1342.2 | 1348.4 | 1351.4 | 1359.6 |
| 37.5° | 1596.9 | 1611.2 | 1646.0 | 1666.5 | 1609.2 | 1498.7 | 1432.2 | 1432.2 | 1435.3 | 1437.3 | 1442.5 |
| 40° | 1716.6 | 1737.1 | 1785.2 | 1824.0 | 1787.2 | 1649.1 | 1557.0 | 1566.2 | 1563.2 | 1559.1 | 1570.3 |
| 42.5° | 1855.7 | 1878.2 | 1936.5 | 1973.4 | 1951.9 | 1830.2 | 1724.8 | 1718.7 | 1727.9 | 1715.6 | 1719.7 |
| 45° | 2017.4 | 2034.8 | 2094.1 | 2133.0 | 2150.3 | 2052.1 | 1944.7 | 1932.5 | 1932.5 | 1905.9 | 1917.1 |
| 47.5° | 2162.6 | 2167.7 | 2225.0 | 2293.6 | 2349.8 | 2351.9 | 2200.5 | 2192.3 | 2172.8 | 2155.5 | 2151.4 |
| 50° | 2297.6 | 2313.0 | 2349.8 | 2424.5 | 2542.1 | 2644.5 | 2552.4 | 2526.8 | 2505.3 | 2440.9 | 2460.3 |
| 52.5° | 2531.9 | 2561.6 | 2585.2 | 2630.2 | 2769.3 | 2977.0 | 3090.5 | 3050.6 | 3045.5 | 2987.2 | 2973.9 |
| 55° | 2576.0 | 2579.1 | 2656.8 | 2916.6 | 3244.0 | 3393.3 | 3611.2 | 3610.2 | 3626.6 | 3608.2 | 3590.8 |
| 57.5° | 2369.3 | 2344.7 | 2474.6 | 2817.4 | 3475.2 | 4242.4 | 4175.9 | 4183.1 | 4161.6 | 4105.3 | 4087.9 |
| 60° | 1845.5 | 1866.0 | 2006.1 | 2442.9 | 3308.4 | 4790.8 | 5229.6 | 5099.7 | 5192.8 | 5046.5 | 4967.8 |
| 62.5° | 1038.4 | 1014.9 | 1110.0 | 1569.3 | 2714.1 | 4819.4 | 6664.9 | 6679.3 | 6724.3 | 6642.4 | 6450.1 |
| 65° | 670.0 | 659.8 | 650.6 | 793.8 | 1626.6 | 4215.8 | 7458.7 | 7634.7 | 7740.2 | 7783.1 | 7786.2 |
| 66° | 575.9 | 567.7 | 556.5 | 649.6 | 1133.5 | 3714.5 | 7407.6 | 7595.8 | 7763.7 | 7843.5 | 7867.0 |
| 67.5° | 490.0 | 477.7 | 475.7 | 538.1 | 788.7 | 2881.9 | 6919.6 | 7215.3 | 7363.6 | 7570.2 | 7682.8 |
| 70° | 374.4 | 368.3 | 386.7 | 464.4 | 605.6 | 1356.5 | 5514.0 | 5899.7 | 6155.5 | 6317.1 | 6421.5 |
| 72.5° | 314.0 | 312.0 | 337.6 | 424.5 | 573.9 | 769.3 | 3859.8 | 4274.2 | 4541.2 | 4695.7 | 4838.9 |
| 75° | 245.5 | 247.6 | 281.3 | 405.1 | 570.8 | 670.0 | 2242.4 | 2637.4 | 2792.9 | 3036.3 | 3222.5 |
| 77.5° | 184.1 | 182.1 | 208.7 | 327.3 | 556.5 | 679.2 | 1165.2 | 1328.9 | 1499.7 | 1623.5 | 1668.5 |
| 80° | 128.9 | 130.9 | 149.4 | 225.0 | 433.7 | 698.7 | 726.3 | 764.1 | 799.9 | 839.8 | 848.0 |
| 82.5° | 85.9 | 87.0 | 110.5 | 154.5 | 300.7 | 667.0 | 678.2 | 660.8 | 633.2 | 598.4 | 560.6 |
| 85° | 52.2 | 54.2 | 78.8 | 104.3 | 233.2 | 603.5 | 701.7 | 655.7 | 613.8 | 567.7 | 521.7 |
| 87.5° | 26.6 | 29.7 | 47.1 | 61.4 | 138.1 | 297.7 | 730.4 | 696.6 | 639.3 | 568.8 | 517.6 |
| 90° | 7.2 | 7.2 | 10.2 | 15.3 | 27.6 | 60.4 | 184.1 | 165.7 | 82.9 | 157.5 | 77.7 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 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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CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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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CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 |
| 2.5° | 1840.4 | 1842.4 | 1840.4 | 1837.3 | 1840.4 | 1837.3 | 1836.3 | 1835.3 | 1836.3 | 1834.3 | 1833.2 |
| 5° | 1831.2 | 1833.2 | 1833.2 | 1827.1 | 1826.1 | 1830.2 | 1824.0 | 1826.1 | 1824.0 | 1822.0 | 1817.9 |
| 7.5° | 1787.2 | 1788.2 | 1789.2 | 1785.2 | 1788.2 | 1788.2 | 1786.2 | 1786.2 | 1784.1 | 1785.2 | 1781.1 |
| 10° | 1725.8 | 1729.9 | 1734.0 | 1732.0 | 1730.9 | 1740.1 | 1736.0 | 1739.1 | 1739.1 | 1736.0 | 1737.1 |
| 12.5° | 1659.3 | 1666.5 | 1671.6 | 1671.6 | 1675.7 | 1685.9 | 1684.9 | 1686.9 | 1695.1 | 1695.1 | 1692.1 |
| 15° | 1598.0 | 1605.1 | 1613.3 | 1619.4 | 1627.6 | 1634.8 | 1639.9 | 1648.1 | 1652.2 | 1652.2 | 1657.3 |
| 17.5° | 1549.9 | 1560.1 | 1569.3 | 1572.4 | 1583.6 | 1595.9 | 1599.0 | 1609.2 | 1615.3 | 1618.4 | 1624.5 |
| 20° | 1502.8 | 1514.1 | 1525.3 | 1535.6 | 1545.8 | 1560.1 | 1567.3 | 1573.4 | 1583.6 | 1589.8 | 1599.0 |
| 22.5° | 1447.6 | 1465.0 | 1479.3 | 1491.6 | 1509.0 | 1521.2 | 1535.6 | 1545.8 | 1558.1 | 1567.3 | 1574.4 |
| 25° | 1395.4 | 1418.9 | 1438.4 | 1450.6 | 1474.2 | 1491.6 | 1509.0 | 1524.3 | 1539.6 | 1552.9 | 1563.2 |
| 27.5° | 1347.3 | 1373.9 | 1397.5 | 1416.9 | 1442.5 | 1470.1 | 1487.5 | 1513.0 | 1533.5 | 1551.9 | 1564.2 |
| 30° | 1323.8 | 1346.3 | 1370.9 | 1393.4 | 1418.9 | 1453.7 | 1482.4 | 1515.1 | 1540.7 | 1564.2 | 1582.6 |
| 32.5° | 1328.9 | 1349.4 | 1370.9 | 1390.3 | 1416.9 | 1455.8 | 1485.4 | 1523.3 | 1561.1 | 1591.8 | 1615.3 |
| 35° | 1369.8 | 1388.2 | 1402.6 | 1420.0 | 1443.5 | 1473.2 | 1504.9 | 1544.8 | 1591.8 | 1632.7 | 1663.4 |
| 37.5° | 1455.8 | 1460.9 | 1475.2 | 1488.5 | 1500.8 | 1528.4 | 1558.1 | 1591.8 | 1646.0 | 1689.0 | 1732.0 |
| 40° | 1562.1 | 1575.4 | 1588.7 | 1594.9 | 1609.2 | 1626.6 | 1639.9 | 1675.7 | 1723.8 | 1780.0 | 1827.1 |
| 42.5° | 1720.7 | 1725.8 | 1727.9 | 1729.9 | 1735.0 | 1747.3 | 1766.7 | 1799.5 | 1846.5 | 1896.7 | 1948.8 |
| 45° | 1898.7 | 1904.8 | 1911.0 | 1914.0 | 1906.9 | 1914.0 | 1934.5 | 1949.8 | 1995.9 | 2042.9 | 2109.4 |
| 47.5° | 2145.2 | 2126.8 | 2117.6 | 2129.9 | 2123.7 | 2139.1 | 2148.3 | 2157.5 | 2212.7 | 2269.0 | 2325.3 |
| 50° | 2461.3 | 2450.1 | 2435.7 | 2436.8 | 2448.0 | 2437.8 | 2443.9 | 2477.7 | 2496.1 | 2543.2 | 2617.9 |
| 52.5° | 2966.8 | 2932.0 | 2877.8 | 2854.2 | 2867.5 | 2859.4 | 2862.4 | 2869.6 | 2857.3 | 2901.3 | 2964.7 |
| 55° | 3590.8 | 3545.8 | 3509.9 | 3489.5 | 3413.8 | 3407.7 | 3357.5 | 3339.1 | 3299.2 | 3341.2 | 3326.8 |
| 57.5° | 4035.7 | 4007.1 | 3988.7 | 3927.3 | 3892.5 | 3823.0 | 3802.5 | 3778.0 | 3722.7 | 3750.3 | 3774.9 |
| 60° | 4895.1 | 4792.8 | 4758.1 | 4650.6 | 4614.8 | 4548.3 | 4463.4 | 4421.5 | 4392.9 | 4419.5 | 4403.1 |
| 62.5° | 6329.4 | 6187.2 | 6159.6 | 5904.8 | 5842.4 | 5688.9 | 5529.4 | 5507.9 | 5417.9 | 5361.6 | 5348.3 |
| 65° | 7729.9 | 7526.3 | 7373.8 | 7095.6 | 6907.4 | 6688.5 | 6445.0 | 6267.0 | 6083.9 | 5991.8 | 5870.0 |
| 66° | 7834.3 | 7753.5 | 7599.9 | 7437.3 | 7163.1 | 6923.7 | 6647.5 | 6455.2 | 6249.6 | 6088.0 | 5983.6 |
| 67.5° | 7656.2 | 7613.2 | 7559.0 | 7448.5 | 7276.7 | 7053.7 | 6791.8 | 6546.3 | 6298.7 | 6108.4 | 5941.6 |
| 70° | 6471.6 | 6518.7 | 6580.0 | 6551.4 | 6453.2 | 6366.2 | 6135.0 | 5998.0 | 5811.7 | 5562.1 | 5459.8 |
| 72.5° | 4884.9 | 5010.7 | 4967.8 | 4806.1 | 4730.4 | 4670.1 | 4586.2 | 4494.1 | 4227.0 | 4196.3 | 4075.6 |
| 75° | 3142.7 | 3100.8 | 3128.4 | 2932.0 | 2798.0 | 2742.7 | 2543.2 | 2461.3 | 2260.8 | 2130.9 | 2031.7 |
| 77.5° | 1656.3 | 1574.4 | 1511.0 | 1338.1 | 1214.3 | 1141.7 | 1044.5 | 930.0 | 753.9 | 743.7 | 583.1 |
| 80° | 768.2 | 705.8 | 648.6 | 588.2 | 527.8 | 448.1 | 388.7 | 317.1 | 280.3 | 240.4 | 224.0 |
| 82.5° | 521.7 | 481.8 | 447.0 | 407.1 | 361.1 | 305.9 | 263.9 | 224.0 | 191.3 | 171.9 | 156.5 |
| 85° | 472.6 | 429.6 | 390.8 | 340.6 | 292.6 | 246.5 | 201.5 | 166.7 | 136.1 | 118.7 | 108.4 |
| 87.5° | 459.3 | 406.1 | 365.2 | 311.0 | 263.9 | 216.9 | 173.9 | 135.0 | 105.4 | 85.9 | 73.7 |
| 90° | 58.3 | 62.4 | 45.0 | 43.0 | 18.4 | 23.5 | 17.4 | 10.2 | 11.3 | 8.2 | 9.2 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226935

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

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226935

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

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 |
| 2.5° | 1831.2 | 1828.1 | 1831.2 | 1830.2 | 1826.1 | 1827.1 | 1828.1 | 1824.0 | 1822.0 | 1822.0 | 1821.0 |
| 5° | 1814.8 | 1812.8 | 1814.8 | 1813.8 | 1807.7 | 1806.6 | 1806.6 | 1803.6 | 1799.5 | 1796.4 | 1794.4 |
| 7.5° | 1775.9 | 1778.0 | 1777.0 | 1773.9 | 1770.8 | 1770.8 | 1767.8 | 1760.6 | 1756.5 | 1752.4 | 1748.3 |
| 10° | 1732.0 | 1732.0 | 1733.0 | 1732.0 | 1726.8 | 1724.8 | 1720.7 | 1716.6 | 1717.6 | 1707.4 | 1699.2 |
| 12.5° | 1693.1 | 1693.1 | 1692.1 | 1690.0 | 1686.9 | 1685.9 | 1685.9 | 1673.6 | 1670.6 | 1667.5 | 1658.3 |
| 15° | 1656.3 | 1658.3 | 1658.3 | 1658.3 | 1653.2 | 1653.2 | 1648.1 | 1639.9 | 1639.9 | 1630.7 | 1621.5 |
| 17.5° | 1627.6 | 1630.7 | 1629.7 | 1630.7 | 1631.7 | 1625.6 | 1616.4 | 1611.2 | 1605.1 | 1600.0 | 1587.7 |
| 20° | 1603.1 | 1605.1 | 1606.1 | 1606.1 | 1603.1 | 1599.0 | 1590.8 | 1582.6 | 1578.5 | 1568.3 | 1552.9 |
| 22.5° | 1580.6 | 1584.7 | 1585.7 | 1585.7 | 1581.6 | 1578.5 | 1570.3 | 1558.1 | 1549.9 | 1537.6 | 1523.3 |
| 25° | 1571.4 | 1576.5 | 1573.4 | 1575.4 | 1571.4 | 1564.2 | 1552.9 | 1542.7 | 1530.4 | 1515.1 | 1499.7 |
| 27.5° | 1574.4 | 1581.6 | 1579.5 | 1578.5 | 1573.4 | 1568.3 | 1554.0 | 1541.7 | 1527.4 | 1509.0 | 1489.5 |
| 30° | 1592.8 | 1605.1 | 1600.0 | 1595.9 | 1594.9 | 1582.6 | 1569.3 | 1551.9 | 1535.6 | 1514.1 | 1491.6 |
| 32.5° | 1627.6 | 1633.8 | 1634.8 | 1631.7 | 1626.6 | 1616.4 | 1598.0 | 1575.4 | 1557.0 | 1531.5 | 1504.9 |
| 35° | 1684.9 | 1691.0 | 1689.0 | 1689.0 | 1683.9 | 1667.5 | 1645.0 | 1622.5 | 1596.9 | 1568.3 | 1540.7 |
| 37.5° | 1764.7 | 1775.9 | 1773.9 | 1769.8 | 1763.7 | 1744.2 | 1726.8 | 1699.2 | 1670.6 | 1632.7 | 1601.0 |
| 40° | 1864.9 | 1882.3 | 1897.7 | 1894.6 | 1880.3 | 1862.9 | 1846.5 | 1814.8 | 1786.2 | 1744.2 | 1709.5 |
| 42.5° | 2000.0 | 2023.5 | 2042.9 | 2057.3 | 2051.1 | 2028.6 | 2000.0 | 1986.7 | 1945.8 | 1902.8 | 1867.0 |
| 45° | 2172.8 | 2222.0 | 2239.3 | 2256.7 | 2256.7 | 2242.4 | 2236.3 | 2209.7 | 2166.7 | 2109.4 | 2075.7 |
| 47.5° | 2401.0 | 2466.4 | 2485.9 | 2515.5 | 2532.9 | 2517.6 | 2506.3 | 2461.3 | 2432.7 | 2353.9 | 2345.7 |
| 50° | 2678.3 | 2743.8 | 2797.0 | 2831.7 | 2826.6 | 2839.9 | 2813.3 | 2787.7 | 2747.9 | 2683.4 | 2660.9 |
| 52.5° | 3032.2 | 3084.4 | 3132.5 | 3152.9 | 3174.4 | 3171.4 | 3165.2 | 3147.8 | 3097.7 | 3062.9 | 3005.6 |
| 55° | 3395.4 | 3438.3 | 3496.7 | 3530.4 | 3558.0 | 3552.9 | 3529.4 | 3487.4 | 3496.7 | 3424.0 | 3392.3 |
| 57.5° | 3808.7 | 3855.7 | 3919.1 | 3950.8 | 3963.1 | 4025.5 | 4010.2 | 4005.1 | 3987.7 | 3962.1 | 3929.4 |
| 60° | 4519.7 | 4533.0 | 4585.2 | 4665.0 | 4763.2 | 4743.7 | 4768.3 | 4784.6 | 4796.9 | 4739.6 | 4735.5 |
| 62.5° | 5366.7 | 5383.1 | 5428.1 | 5444.5 | 5458.8 | 5460.8 | 5428.1 | 5428.1 | 5371.8 | 5298.2 | 5240.9 |
| 65° | 5829.1 | 5795.3 | 5764.6 | 5747.2 | 5709.4 | 5675.6 | 5626.5 | 5560.0 | 5464.9 | 5351.4 | 5249.1 |
| 66° | 5895.6 | 5827.0 | 5787.1 | 5743.2 | 5682.8 | 5620.4 | 5562.1 | 5471.0 | 5359.5 | 5224.5 | 5089.5 |
| 67.5° | 5831.1 | 5737.0 | 5643.9 | 5579.5 | 5495.6 | 5383.1 | 5280.8 | 5174.4 | 5069.0 | 4883.9 | 4758.1 |
| 70° | 5242.9 | 5130.4 | 5028.1 | 4886.9 | 4754.0 | 4643.5 | 4467.5 | 4282.4 | 4129.9 | 3935.5 | 3811.7 |
| 72.5° | 3893.6 | 3760.6 | 3627.6 | 3429.1 | 3235.8 | 3207.2 | 2986.2 | 2768.3 | 2651.7 | 2495.1 | 2369.3 |
| 75° | 1923.2 | 1755.5 | 1517.1 | 1410.8 | 1256.3 | 1180.6 | 1138.6 | 981.1 | 943.3 | 788.7 | 786.6 |
| 77.5° | 543.2 | 466.5 | 414.3 | 361.1 | 338.6 | 322.2 | 266.0 | 254.7 | 231.2 | 227.1 | 213.8 |
| 80° | 205.6 | 194.4 | 189.2 | 184.1 | 179.0 | 175.9 | 173.9 | 165.7 | 161.6 | 155.5 | 152.4 |
| 82.5° | 148.3 | 144.2 | 135.0 | 132.0 | 127.9 | 121.7 | 120.7 | 115.6 | 112.5 | 106.4 | 104.3 |
| 85° | 100.2 | 95.1 | 90.0 | 84.9 | 82.9 | 81.8 | 78.8 | 76.7 | 74.7 | 71.6 | 70.6 |
| 87.5° | 67.5 | 62.4 | 56.3 | 54.2 | 53.2 | 54.2 | 55.2 | 53.2 | 52.2 | 50.1 | 49.1 |
| 90° | 8.2 | 11.3 | 10.2 | 10.2 | 12.3 | 10.2 | 10.2 | 11.3 | 10.2 | 10.2 | 9.2 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P226935
 CATALOG NUMBER: ISW-AF-1200-LED-E1-SL3

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66° |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

'226935
 ISW-AF-1200-LED-E1-SL3

REPORT NUMBER: P226935
 CATALOG NUMBER: ISW-AF-1:

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|--------|--------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 1812.8 | 1812.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 1753.4 | 1737.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 1660.4 | 1623.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 1534.5 | 1462.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 1390.3 | 1287.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 1240.9 | 1109.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 1101.8 | 926.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 955.5 | 739.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 815.3 | 558.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 656.7 | 391.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 481.8 | 284.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 343.7 | 227.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 256.8 | 191.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 205.6 | 165.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 174.9 | 150.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 156.5 | 140.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 146.3 | 135.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 140.1 | 129.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 137.1 | 126.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 135.0 | 122.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 133.0 | 122.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 134.0 | 124.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 139.1 | 124.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 147.3 | 124.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 153.4 | 126.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 155.5 | 130.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 153.4 | 133.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66° | 151.4 | 133.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 148.3 | 130.9 |
| | | | | | | | | | | 70° | 141.2 | 122.8 |
| | | | | | | | | | | 72.5° | 126.8 | 110.5 |
| | | | | | | | | | | 75° | 108.4 | 89.0 |
| | | | | | | | | | | 77.5° | 88.0 | 71.6 |
| | | | | | | | | | | 80° | 65.5 | 54.2 |
| | | | | | | | | | | 82.5° | 48.1 | 41.9 |
| | | | | | | | | | | 85° | 33.8 | 29.7 |
| | | | | | | | | | | 87.5° | 20.5 | 18.4 |
| | | | | | | | | | | 90° | 5.1 | 5.1 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 0.0 | 0.0 |
| | | | | | | | | | | 97.5° | 0.0 | 0.0 |
| | | | | | | | | | | 100° | 0.0 | 0.0 |
| | | | | | | | | | | 102.5° | 0.0 | 0.0 |
| | | | | | | | | | | 105° | 0.0 | 0.0 |
| | | | | | | | | | | 107.5° | 0.0 | 0.0 |



REPORT NUMBER: P226935

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

200-LED-E1-SL3

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|
| 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 | 1812.8 |
| 1725.8 | 1724.8 | 1699.2 | 1694.1 | 1676.7 | 1685.9 |
| 1579.5 | 1562.1 | 1516.1 | 1506.9 | 1487.5 | 1482.4 |
| 1404.6 | 1356.5 | 1319.7 | 1278.8 | 1239.9 | 1259.4 |
| 1200.0 | 1119.2 | 1038.4 | 985.2 | 963.7 | 956.6 |
| 1005.7 | 860.4 | 759.0 | 654.7 | 617.9 | 631.2 |
| 770.3 | 604.6 | 469.5 | 409.2 | 374.4 | 368.3 |
| 543.2 | 387.7 | 325.3 | 310.0 | 302.8 | 302.8 |
| 368.3 | 295.6 | 272.1 | 264.9 | 264.9 | 266.0 |
| 280.3 | 248.6 | 238.3 | 239.4 | 243.5 | 244.5 |
| 232.2 | 219.9 | 214.8 | 222.0 | 230.2 | 231.2 |
| 200.5 | 197.4 | 198.5 | 207.7 | 215.8 | 216.9 |
| 175.9 | 179.0 | 183.1 | 191.3 | 198.5 | 200.5 |
| 158.6 | 163.7 | 166.7 | 171.9 | 175.9 | 177.0 |
| 146.3 | 152.4 | 151.4 | 154.5 | 157.5 | 158.6 |
| 139.1 | 142.2 | 139.1 | 141.2 | 141.2 | 143.2 |
| 133.0 | 134.0 | 128.9 | 129.9 | 132.0 | 132.0 |
| 126.8 | 125.8 | 120.7 | 122.8 | 125.8 | 126.8 |
| 120.7 | 118.7 | 114.6 | 118.7 | 123.8 | 124.8 |
| 115.6 | 113.5 | 111.5 | 116.6 | 122.8 | 123.8 |
| 113.5 | 111.5 | 109.5 | 116.6 | 122.8 | 123.8 |
| 113.5 | 111.5 | 109.5 | 114.6 | 120.7 | 121.7 |
| 114.6 | 112.5 | 108.4 | 113.5 | 117.6 | 118.7 |
| 115.6 | 113.5 | 106.4 | 109.5 | 111.5 | 112.5 |
| 115.6 | 111.5 | 104.3 | 105.4 | 105.4 | 106.4 |
| 113.5 | 108.4 | 100.2 | 100.2 | 99.2 | 99.2 |
| 113.5 | 104.3 | 96.2 | 94.1 | 92.1 | 92.1 |
| 112.5 | 103.3 | 95.1 | 92.1 | 89.0 | 89.0 |
| 110.5 | 101.3 | 93.1 | 89.0 | 85.9 | 85.9 |
| 103.3 | 97.2 | 88.0 | 83.9 | 80.8 | 79.8 |
| 92.1 | 89.0 | 81.8 | 78.8 | 75.7 | 74.7 |
| 77.7 | 78.8 | 74.7 | 72.6 | 69.6 | 68.5 |
| 65.5 | 67.5 | 65.5 | 64.4 | 62.4 | 61.4 |
| 52.2 | 56.3 | 54.2 | 54.2 | 55.2 | 53.2 |
| 39.9 | 45.0 | 43.0 | 45.0 | 47.1 | 44.0 |
| 27.6 | 32.7 | 32.7 | 33.8 | 34.8 | 32.7 |
| 17.4 | 21.5 | 20.5 | 21.5 | 21.5 | 20.5 |
| 4.1 | 7.2 | 4.1 | 6.1 | 5.1 | 4.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CANDELA DISTRIBUTION (continued):

| | 115° | 125° | 135° |
|--------|------|------|------|
| 110° | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 |

