

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: P226778

Luminaire Tested: **ISW-AF-1000-LED-E1-SL2-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)-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-1000-LED-E1-SL2-7050-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II 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: 7587.3 lumens
Efficiency: N/A
Efficacy: 106.4 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): 71.3
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

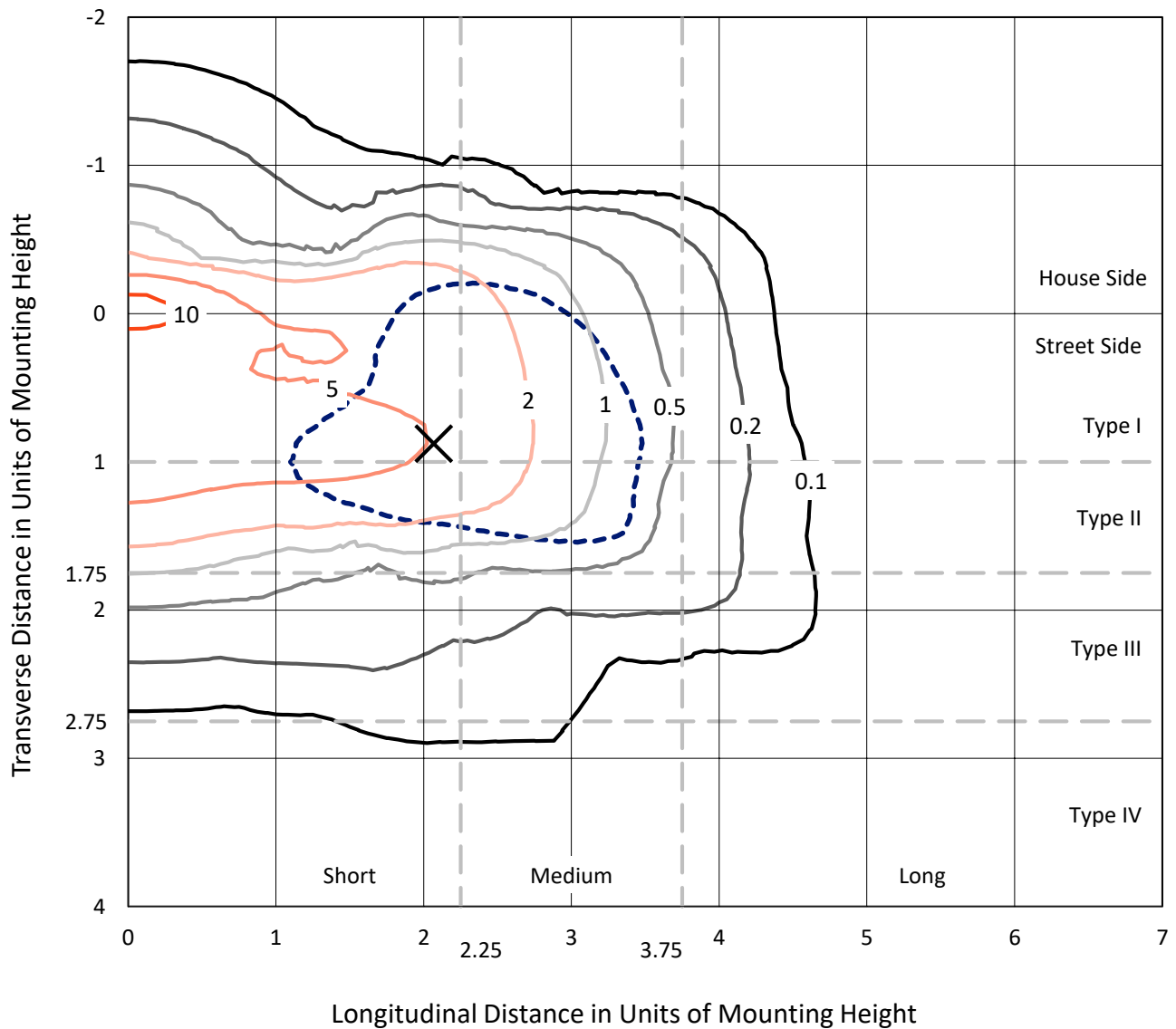


REPORT NUMBER: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

Iso-Footcandle Lines of Horizontal Illumination

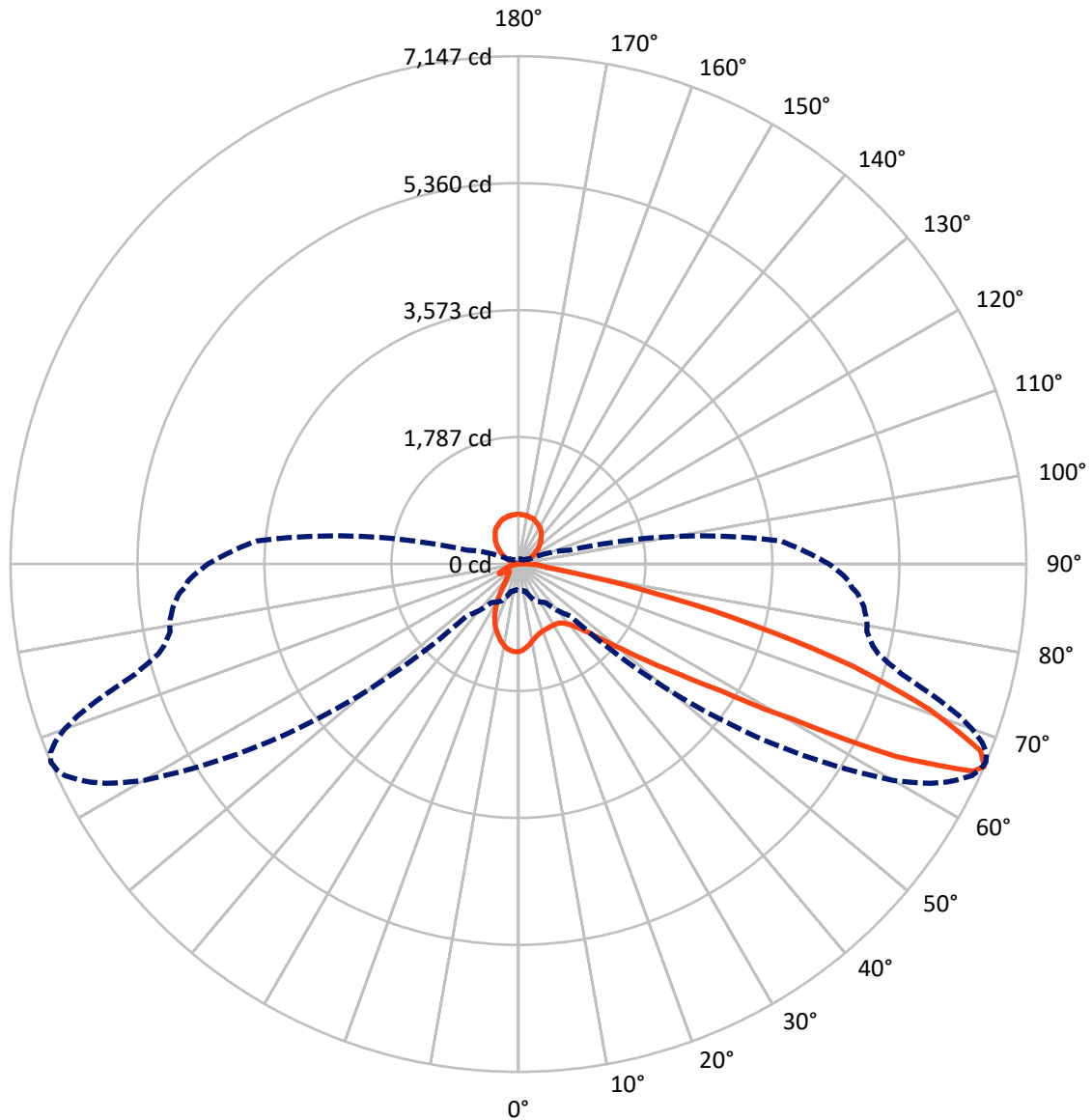
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P226778
CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

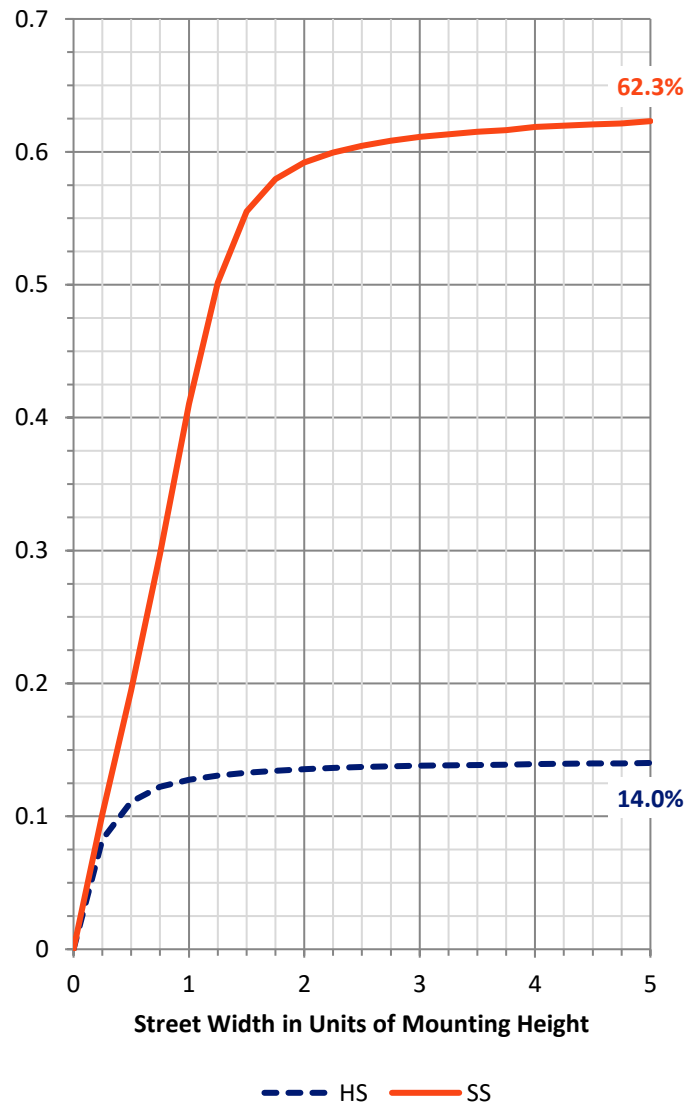
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1080.8 | 868.0 | 1948.9 |
| | % Fixture | 14.2 | 11.4 | 25.7 |
| Street Side | Lumens | 4769.1 | 869.2 | 5638.4 |
| | % Fixture | 62.9 | 11.5 | 74.3 |
| Total | Lumens | 5850.0 | 1737.3 | 7587.3 |
| | % Fixture | 77.1 | 22.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 106.8 | 1.4 |
| 10°-20° | 254.2 | 3.4 |
| 20°-30° | 348.6 | 4.6 |
| 30°-40° | 498.0 | 6.6 |
| 40°-50° | 807.4 | 10.6 |
| 50°-60° | 1279.3 | 16.9 |
| 60°-70° | 1621.2 | 21.4 |
| 70°-80° | 805.9 | 10.6 |
| 80°-90° | 128.7 | 1.7 |
| 90°-100° | 11.4 | 0.2 |
| 100°-110° | 57.4 | 0.8 |
| 110°-120° | 166.1 | 2.2 |
| 120°-130° | 273.2 | 3.6 |
| 130°-140° | 336.8 | 4.4 |
| 140°-150° | 344.6 | 4.5 |
| 150°-160° | 290.3 | 3.8 |
| 160°-170° | 191.2 | 2.5 |
| 170°-180° | 66.3 | 0.9 |
| 0°-90° | 5850.0 | 77.1 |
| 0°-180° | 7587.3 | 100.0 |



REPORT NUMBER: P226778

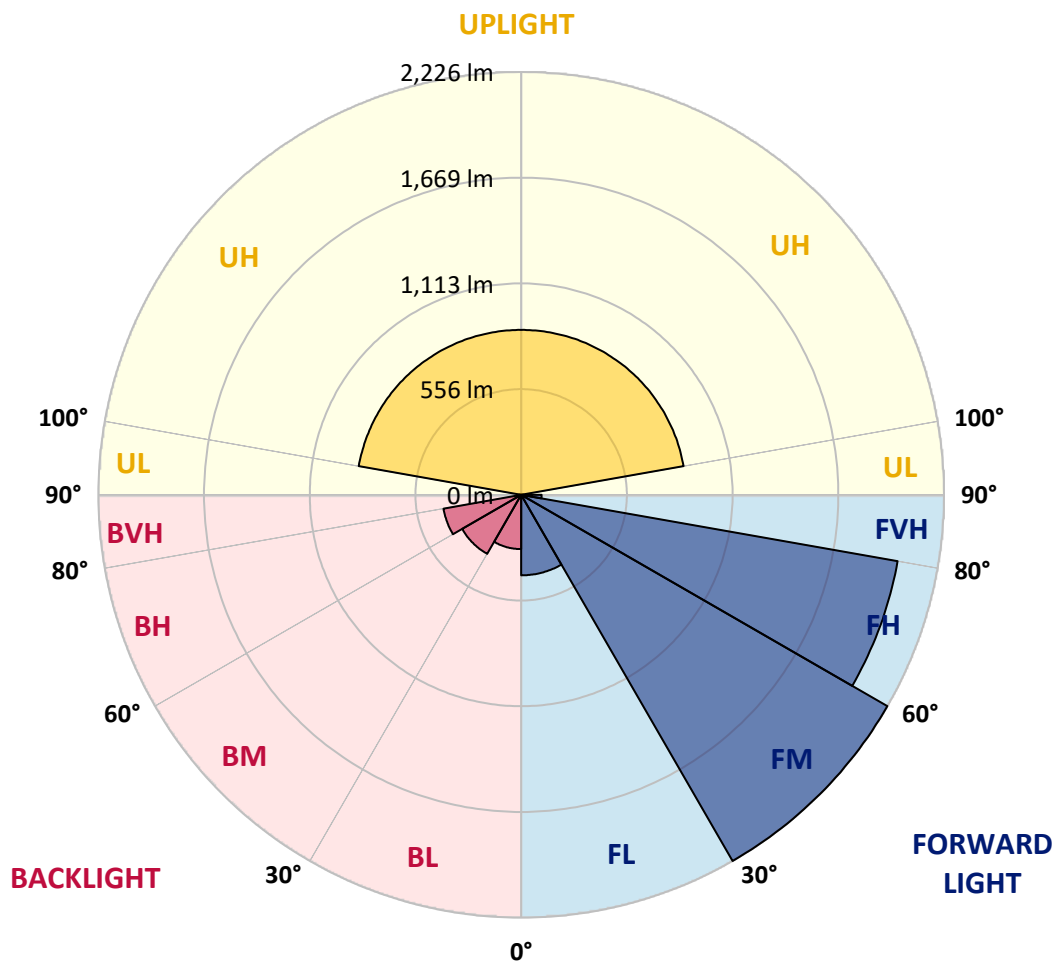
CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 423.9 | 5.6 | | | |
| FM (30°-60°) | 2225.8 | 29.3 | | | |
| FH (60°-80°) | 2011.9 | 26.5 | | | G2/5000 |
| FVH (80°-90°) | 107.6 | 1.4 | | | G2/225 |
| BL (0°-30°) | 285.7 | 3.8 | B1/500 | | |
| BM (30°-60°) | 358.9 | 4.7 | B1/1000 | | |
| BH (60°-80°) | 415.2 | 5.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 21.1 | 0.3 | | | G1/100 |
| UL (90°-100°) | 11.4 | 0.2 | | U2/50 | |
| UH (100°-180°) | 868.0 | 11.4 | | U4/1000 | |

BUG Rating: B1-U5-G2

Type II Short





REPORT NUMBER: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 63° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 |
| 2.5° | 1144.6 | 1147.2 | 1162.1 | 1170.1 | 1181.5 | 1185.0 | 1198.2 | 1203.5 | 1207.9 | 1207.0 | 1207.0 |
| 5° | 1041.7 | 1049.6 | 1056.7 | 1072.5 | 1089.2 | 1109.4 | 1134.9 | 1154.2 | 1157.7 | 1162.1 | 1164.8 |
| 7.5° | 963.5 | 968.7 | 981.0 | 992.5 | 1013.6 | 1041.7 | 1077.7 | 1102.4 | 1107.6 | 1109.4 | 1115.5 |
| 10° | 908.1 | 911.6 | 922.2 | 937.1 | 961.7 | 989.0 | 1026.8 | 1052.3 | 1060.2 | 1063.7 | 1069.0 |
| 12.5° | 865.0 | 870.3 | 880.0 | 895.8 | 922.2 | 950.3 | 989.8 | 1015.3 | 1020.6 | 1025.0 | 1032.9 |
| 15° | 837.8 | 841.3 | 850.1 | 867.6 | 891.4 | 919.5 | 958.2 | 989.0 | 992.5 | 996.9 | 1003.9 |
| 17.5° | 832.5 | 835.1 | 840.4 | 853.6 | 872.0 | 899.3 | 938.9 | 964.3 | 970.5 | 976.7 | 983.7 |
| 20° | 853.6 | 855.3 | 857.1 | 858.9 | 869.4 | 887.0 | 925.7 | 952.9 | 958.2 | 963.5 | 972.3 |
| 22.5° | 899.3 | 901.9 | 897.5 | 891.4 | 883.5 | 887.0 | 919.5 | 947.6 | 951.2 | 956.4 | 963.5 |
| 25° | 978.4 | 975.8 | 962.6 | 952.9 | 924.8 | 901.9 | 921.3 | 945.0 | 949.4 | 954.7 | 962.6 |
| 27.5° | 1071.6 | 1068.1 | 1060.2 | 1033.8 | 987.2 | 940.6 | 931.8 | 949.4 | 952.0 | 956.4 | 963.5 |
| 30° | 1171.8 | 1172.7 | 1165.7 | 1136.6 | 1076.9 | 998.6 | 955.6 | 960.0 | 961.7 | 965.2 | 969.6 |
| 32.5° | 1262.4 | 1275.5 | 1274.7 | 1272.9 | 1187.6 | 1076.9 | 1001.3 | 983.7 | 981.0 | 983.7 | 985.4 |
| 35° | 1367.0 | 1369.6 | 1394.2 | 1406.5 | 1337.1 | 1191.1 | 1068.1 | 1029.4 | 1018.9 | 1019.7 | 1018.0 |
| 37.5° | 1479.5 | 1483.0 | 1525.2 | 1546.3 | 1492.7 | 1321.3 | 1156.9 | 1097.1 | 1087.4 | 1077.7 | 1070.7 |
| 40° | 1643.0 | 1657.1 | 1679.0 | 1702.8 | 1676.4 | 1496.2 | 1273.8 | 1192.9 | 1168.3 | 1166.5 | 1152.5 |
| 42.5° | 1887.4 | 1883.0 | 1872.4 | 1891.8 | 1860.1 | 1692.2 | 1415.3 | 1328.3 | 1309.8 | 1285.2 | 1265.9 |
| 45° | 2127.4 | 2137.0 | 2091.3 | 2100.1 | 2101.9 | 1919.0 | 1620.1 | 1497.9 | 1488.3 | 1459.3 | 1438.2 |
| 47.5° | 2289.1 | 2278.6 | 2217.0 | 2261.9 | 2371.7 | 2183.6 | 1857.5 | 1729.1 | 1708.9 | 1694.0 | 1680.8 |
| 50° | 2297.9 | 2289.1 | 2249.6 | 2328.7 | 2563.4 | 2653.9 | 2188.0 | 2038.6 | 2009.6 | 1983.2 | 1975.3 |
| 52.5° | 2083.4 | 2071.1 | 2084.3 | 2245.2 | 2632.8 | 3047.8 | 2654.8 | 2422.7 | 2399.0 | 2377.0 | 2346.3 |
| 55° | 1701.0 | 1715.1 | 1777.5 | 2008.7 | 2526.5 | 3327.3 | 3573.4 | 3016.1 | 2914.1 | 2913.3 | 2837.7 |
| 57.5° | 1270.3 | 1256.2 | 1302.8 | 1519.9 | 2257.5 | 3426.6 | 4417.4 | 4279.3 | 4051.7 | 3897.8 | 3712.3 |
| 60° | 857.1 | 860.6 | 903.7 | 1015.3 | 1570.9 | 3318.5 | 4982.6 | 5463.5 | 5383.5 | 5350.9 | 5300.8 |
| 62.5° | 594.3 | 599.5 | 639.1 | 743.7 | 918.6 | 2669.8 | 5147.9 | 6127.2 | 6270.5 | 6389.1 | 6360.1 |
| 65° | 415.8 | 416.7 | 456.2 | 618.0 | 688.3 | 1371.4 | 4783.1 | 6215.1 | 6428.7 | 6632.6 | 6815.5 |
| 66° | 366.6 | 367.5 | 400.0 | 574.9 | 660.2 | 1034.7 | 4466.6 | 6092.9 | 6336.4 | 6573.7 | 6762.7 |
| 67.5° | 313.8 | 319.1 | 344.6 | 488.8 | 632.9 | 798.2 | 3689.5 | 5728.1 | 5983.0 | 6244.1 | 6493.7 |
| 70° | 215.4 | 217.1 | 240.0 | 396.5 | 592.5 | 700.6 | 2102.8 | 4471.9 | 4824.4 | 5283.3 | 5548.7 |
| 72.5° | 153.8 | 152.1 | 154.7 | 245.3 | 608.3 | 696.2 | 1105.0 | 2943.1 | 3436.3 | 3838.9 | 4126.4 |
| 75° | 137.1 | 132.7 | 121.3 | 152.1 | 443.9 | 760.4 | 740.2 | 1732.7 | 2108.0 | 2474.6 | 2769.1 |
| 77.5° | 122.2 | 115.2 | 109.0 | 116.9 | 219.8 | 716.4 | 664.6 | 992.5 | 1184.1 | 1457.5 | 1684.3 |
| 80° | 93.2 | 88.8 | 92.3 | 101.1 | 131.9 | 659.3 | 660.2 | 660.2 | 712.1 | 801.7 | 891.4 |
| 82.5° | 61.5 | 56.3 | 64.2 | 83.5 | 99.3 | 496.7 | 682.2 | 582.8 | 573.2 | 569.6 | 575.8 |
| 85° | 38.7 | 33.4 | 44.8 | 62.4 | 76.5 | 259.3 | 699.7 | 615.4 | 570.5 | 527.4 | 484.4 |
| 87.5° | 14.1 | 15.8 | 22.9 | 36.0 | 50.1 | 112.5 | 613.6 | 542.4 | 511.6 | 458.0 | 407.9 |
| 90° | 8.5 | 7.6 | 11.4 | 18.5 | 19.4 | 28.1 | 101.1 | 158.3 | 97.9 | 53.2 | 44.6 |
| 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 | 7.5 | 7.6 | 7.7 | 7.8 |
| 97.5° | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 12.0 | 11.0 | 10.8 | 10.6 | 10.4 |
| 100° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 29.0 | 27.5 | 27.2 | 26.9 | 26.6 |
| 102.5° | 11.0 | 11.0 | 13.0 | 18.0 | 27.0 | 40.0 | 50.0 | 48.5 | 48.2 | 47.9 | 47.6 |
| 105° | 21.0 | 22.0 | 27.0 | 36.0 | 48.0 | 63.0 | 72.0 | 71.0 | 70.8 | 70.6 | 70.4 |
| 107.5° | 41.0 | 42.0 | 49.0 | 58.0 | 73.0 | 88.0 | 95.0 | 94.5 | 94.4 | 94.3 | 94.2 |



REPORT NUMBER: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 63° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 68.0 | 74.0 | 87.0 | 102.0 | 114.0 | 120.0 | 120.5 | 120.6 | 120.7 | 120.8 |
| 112.5° | 99.0 | 99.0 | 106.0 | 121.0 | 134.0 | 143.0 | 148.0 | 149.0 | 149.2 | 149.4 | 149.6 |
| 115° | 140.0 | 139.0 | 147.0 | 159.0 | 168.0 | 174.0 | 179.0 | 180.5 | 180.8 | 181.1 | 181.4 |
| 117.5° | 184.0 | 184.0 | 189.0 | 197.0 | 202.0 | 205.0 | 211.0 | 213.0 | 213.4 | 213.8 | 214.2 |
| 120° | 225.0 | 223.0 | 226.0 | 233.0 | 237.0 | 243.0 | 246.0 | 248.0 | 248.4 | 248.8 | 249.2 |
| 122.5° | 263.0 | 260.0 | 261.0 | 267.0 | 271.0 | 277.0 | 279.0 | 281.0 | 281.4 | 281.8 | 282.2 |
| 125° | 298.0 | 294.0 | 296.0 | 299.0 | 305.0 | 310.0 | 313.0 | 314.0 | 314.2 | 314.4 | 314.6 |
| 127.5° | 330.0 | 329.0 | 329.0 | 333.0 | 339.0 | 340.0 | 345.0 | 345.5 | 345.6 | 345.7 | 345.8 |
| 130° | 363.0 | 361.0 | 362.0 | 366.0 | 370.0 | 372.0 | 377.0 | 379.0 | 379.4 | 379.8 | 380.2 |
| 132.5° | 396.0 | 394.0 | 393.0 | 401.0 | 404.0 | 405.0 | 411.0 | 413.5 | 414.0 | 414.5 | 415.0 |
| 135° | 429.0 | 426.0 | 426.0 | 432.0 | 435.0 | 437.0 | 443.0 | 445.5 | 446.0 | 446.5 | 447.0 |
| 137.5° | 460.0 | 457.0 | 459.0 | 460.0 | 464.0 | 468.0 | 473.0 | 474.0 | 474.2 | 474.4 | 474.6 |
| 140° | 488.0 | 485.0 | 487.0 | 489.0 | 491.0 | 497.0 | 500.0 | 501.0 | 501.2 | 501.4 | 501.6 |
| 142.5° | 518.0 | 515.0 | 517.0 | 518.0 | 521.0 | 525.0 | 527.0 | 530.0 | 530.6 | 531.2 | 531.8 |
| 145° | 550.0 | 546.0 | 544.0 | 547.0 | 550.0 | 551.0 | 556.0 | 559.0 | 559.6 | 560.2 | 560.8 |
| 147.5° | 575.0 | 572.0 | 571.0 | 574.0 | 574.0 | 575.0 | 580.0 | 582.5 | 583.0 | 583.5 | 584.0 |
| 150° | 595.0 | 592.0 | 593.0 | 593.0 | 593.0 | 593.0 | 597.0 | 598.5 | 598.8 | 599.1 | 599.4 |
| 152.5° | 611.0 | 608.0 | 608.0 | 609.0 | 610.0 | 610.0 | 611.0 | 612.5 | 612.8 | 613.1 | 613.4 |
| 155° | 629.0 | 625.0 | 625.0 | 627.0 | 630.0 | 628.0 | 626.0 | 628.5 | 629.0 | 629.5 | 630.0 |
| 157.5° | 646.0 | 643.0 | 643.0 | 644.0 | 646.0 | 645.0 | 644.0 | 646.0 | 646.4 | 646.8 | 647.2 |
| 160° | 663.0 | 660.0 | 659.0 | 656.0 | 655.0 | 655.0 | 658.0 | 661.0 | 661.6 | 662.2 | 662.8 |
| 162.5° | 673.0 | 669.0 | 669.0 | 665.0 | 661.0 | 663.0 | 667.0 | 669.0 | 669.4 | 669.8 | 670.2 |
| 165° | 681.0 | 678.0 | 676.0 | 676.0 | 673.0 | 673.0 | 672.0 | 674.5 | 675.0 | 675.5 | 676.0 |
| 167.5° | 690.0 | 687.0 | 684.0 | 686.0 | 688.0 | 685.0 | 678.0 | 681.0 | 681.6 | 682.2 | 682.8 |
| 170° | 698.0 | 695.0 | 692.0 | 692.0 | 693.0 | 691.0 | 686.0 | 687.5 | 687.8 | 688.1 | 688.4 |
| 172.5° | 699.0 | 697.0 | 695.0 | 693.0 | 690.0 | 690.0 | 689.0 | 690.5 | 690.8 | 691.1 | 691.4 |
| 175° | 700.0 | 698.0 | 697.0 | 695.0 | 691.0 | 690.0 | 690.0 | 692.5 | 693.0 | 693.5 | 694.0 |
| 177.5° | 707.0 | 705.0 | 700.0 | 699.0 | 697.0 | 695.0 | 694.0 | 696.5 | 697.0 | 697.5 | 698.0 |
| 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: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 |
| 2.5° | 1207.9 | 1212.2 | 1214.0 | 1212.2 | 1213.1 | 1218.4 | 1216.6 | 1219.3 | 1219.3 | 1221.0 | 1221.0 |
| 5° | 1168.3 | 1171.8 | 1178.8 | 1178.0 | 1185.0 | 1187.6 | 1190.3 | 1193.8 | 1198.2 | 1200.8 | 1206.1 |
| 7.5° | 1121.7 | 1128.7 | 1134.9 | 1138.4 | 1142.8 | 1151.6 | 1154.2 | 1162.1 | 1169.2 | 1176.2 | 1181.5 |
| 10° | 1076.9 | 1086.5 | 1093.6 | 1096.2 | 1105.9 | 1110.3 | 1119.9 | 1126.1 | 1134.9 | 1143.7 | 1151.6 |
| 12.5° | 1039.1 | 1047.9 | 1051.4 | 1060.2 | 1069.0 | 1077.7 | 1082.1 | 1093.6 | 1102.4 | 1113.8 | 1124.3 |
| 15° | 1010.9 | 1019.7 | 1026.8 | 1032.9 | 1041.7 | 1050.5 | 1057.5 | 1069.0 | 1079.5 | 1090.9 | 1100.6 |
| 17.5° | 993.4 | 998.6 | 1007.4 | 1012.7 | 1023.2 | 1033.8 | 1041.7 | 1054.9 | 1066.3 | 1076.0 | 1089.2 |
| 20° | 980.2 | 986.3 | 994.2 | 1002.1 | 1011.8 | 1025.0 | 1032.0 | 1046.1 | 1058.4 | 1069.8 | 1082.1 |
| 22.5° | 973.1 | 979.3 | 987.2 | 995.1 | 1005.7 | 1016.2 | 1027.6 | 1039.9 | 1053.1 | 1065.4 | 1077.7 |
| 25° | 970.5 | 975.8 | 982.8 | 990.7 | 1002.1 | 1013.6 | 1023.2 | 1037.3 | 1048.7 | 1061.9 | 1076.9 |
| 27.5° | 971.4 | 974.9 | 982.8 | 989.8 | 1001.3 | 1011.8 | 1021.5 | 1035.6 | 1048.7 | 1061.0 | 1076.0 |
| 30° | 974.9 | 977.5 | 985.4 | 991.6 | 1001.3 | 1011.8 | 1020.6 | 1035.6 | 1047.0 | 1060.2 | 1076.0 |
| 32.5° | 987.2 | 990.7 | 994.2 | 998.6 | 1007.4 | 1015.3 | 1025.9 | 1039.1 | 1049.6 | 1062.8 | 1076.0 |
| 35° | 1016.2 | 1013.6 | 1016.2 | 1018.0 | 1024.1 | 1032.0 | 1039.9 | 1051.4 | 1061.0 | 1072.5 | 1086.5 |
| 37.5° | 1061.9 | 1056.7 | 1058.4 | 1057.5 | 1057.5 | 1062.8 | 1070.7 | 1078.6 | 1086.5 | 1098.0 | 1112.0 |
| 40° | 1146.3 | 1133.1 | 1129.6 | 1119.9 | 1117.3 | 1121.7 | 1127.0 | 1127.9 | 1137.5 | 1152.5 | 1158.6 |
| 42.5° | 1255.3 | 1237.7 | 1240.4 | 1224.6 | 1220.2 | 1214.9 | 1221.9 | 1217.5 | 1223.7 | 1233.3 | 1246.5 |
| 45° | 1427.6 | 1410.9 | 1393.3 | 1367.8 | 1373.1 | 1353.8 | 1348.5 | 1350.3 | 1349.4 | 1352.9 | 1368.7 |
| 47.5° | 1633.3 | 1611.3 | 1599.9 | 1590.3 | 1571.8 | 1560.4 | 1545.4 | 1523.4 | 1528.7 | 1535.7 | 1549.8 |
| 50° | 1934.0 | 1926.9 | 1905.0 | 1873.3 | 1868.9 | 1852.2 | 1847.8 | 1828.5 | 1821.4 | 1820.6 | 1819.7 |
| 52.5° | 2335.7 | 2290.0 | 2281.2 | 2251.3 | 2228.5 | 2212.6 | 2207.4 | 2180.1 | 2152.9 | 2168.7 | 2166.9 |
| 55° | 2825.4 | 2787.6 | 2739.2 | 2712.8 | 2694.4 | 2656.6 | 2646.9 | 2612.6 | 2596.8 | 2588.0 | 2566.0 |
| 57.5° | 3648.2 | 3515.4 | 3416.1 | 3366.9 | 3297.4 | 3227.1 | 3202.5 | 3132.2 | 3077.6 | 3039.0 | 3041.6 |
| 60° | 5082.8 | 4846.4 | 4567.7 | 4442.9 | 4153.6 | 4111.4 | 3912.8 | 3864.4 | 3744.9 | 3665.8 | 3620.0 |
| 62.5° | 6339.9 | 6275.7 | 6142.1 | 5960.1 | 5670.0 | 5336.0 | 5185.7 | 4886.8 | 4653.0 | 4551.0 | 4409.4 |
| 65° | 6940.3 | 7030.9 | 7067.8 | 7033.5 | 6917.5 | 6713.5 | 6534.2 | 6242.3 | 5850.3 | 5628.7 | 5353.6 |
| 66° | 6909.5 | 7044.0 | 7111.7 | 7146.9 | 7104.7 | 6984.3 | 6796.1 | 6556.2 | 6252.9 | 5915.3 | 5606.8 |
| 67.5° | 6684.5 | 6815.5 | 6909.5 | 7016.8 | 7016.8 | 6979.0 | 6902.5 | 6742.5 | 6528.0 | 6233.5 | 5956.6 |
| 70° | 5765.0 | 5942.6 | 6108.7 | 6141.2 | 6232.7 | 6204.5 | 6265.2 | 6163.2 | 6112.2 | 5989.2 | 5840.6 |
| 72.5° | 4491.2 | 4639.8 | 4782.2 | 4924.6 | 4900.9 | 4870.1 | 4863.9 | 4885.0 | 4781.3 | 4818.2 | 4779.5 |
| 75° | 2987.1 | 3242.9 | 3388.8 | 3374.8 | 3384.4 | 3392.4 | 3327.3 | 3182.3 | 3294.8 | 3152.4 | 3199.8 |
| 77.5° | 1815.3 | 1934.0 | 1973.5 | 1929.6 | 1872.4 | 1798.6 | 1679.9 | 1610.5 | 1511.1 | 1519.0 | 1453.1 |
| 80° | 952.0 | 967.0 | 935.3 | 846.6 | 798.2 | 754.2 | 618.9 | 558.2 | 502.0 | 480.9 | 433.4 |
| 82.5° | 545.9 | 509.9 | 471.2 | 441.3 | 384.2 | 345.5 | 292.7 | 259.3 | 223.3 | 191.6 | 180.2 |
| 85° | 442.2 | 393.8 | 357.8 | 324.4 | 285.7 | 251.4 | 207.5 | 173.2 | 146.8 | 127.5 | 123.1 |
| 87.5° | 364.8 | 331.4 | 294.5 | 262.8 | 225.0 | 189.9 | 146.8 | 114.3 | 90.5 | 73.0 | 67.7 |
| 90° | 41.3 | 53.0 | 40.6 | 26.6 | 35.4 | 23.1 | 16.9 | 17.8 | 16.0 | 16.0 | 16.9 |
| 92.5° | 7.0 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1 |
| 95° | 7.9 | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 |
| 97.5° | 10.2 | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 | 9.5 | 9.4 | 9.3 | 9.2 | 9.1 |
| 100° | 26.3 | 26.0 | 25.7 | 25.4 | 25.1 | 24.8 | 24.5 | 24.2 | 23.9 | 23.6 | 23.3 |
| 102.5° | 47.3 | 47.0 | 46.5 | 46.0 | 45.5 | 45.0 | 44.5 | 44.0 | 43.5 | 43.0 | 42.5 |
| 105° | 70.2 | 70.0 | 69.5 | 69.0 | 68.5 | 68.0 | 67.5 | 67.0 | 66.5 | 66.0 | 65.5 |
| 107.5° | 94.1 | 94.0 | 93.6 | 93.2 | 92.8 | 92.4 | 92.0 | 91.6 | 91.2 | 90.8 | 90.4 |



REPORT NUMBER: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 120.9 | 121.0 | 120.8 | 120.6 | 120.4 | 120.2 | 120.0 | 119.8 | 119.6 | 119.4 | 119.2 |
| 112.5° | 149.8 | 150.0 | 149.9 | 149.8 | 149.7 | 149.6 | 149.5 | 149.4 | 149.3 | 149.2 | 149.1 |
| 115° | 181.7 | 182.0 | 181.7 | 181.4 | 181.1 | 180.8 | 180.5 | 180.2 | 179.9 | 179.6 | 179.3 |
| 117.5° | 214.6 | 215.0 | 214.5 | 214.0 | 213.5 | 213.0 | 212.5 | 212.0 | 211.5 | 211.0 | 210.5 |
| 120° | 249.6 | 250.0 | 249.5 | 249.0 | 248.5 | 248.0 | 247.5 | 247.0 | 246.5 | 246.0 | 245.5 |
| 122.5° | 282.6 | 283.0 | 282.5 | 282.0 | 281.5 | 281.0 | 280.5 | 280.0 | 279.5 | 279.0 | 278.5 |
| 125° | 314.8 | 315.0 | 314.5 | 314.0 | 313.5 | 313.0 | 312.5 | 312.0 | 311.5 | 311.0 | 310.5 |
| 127.5° | 345.9 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 |
| 130° | 380.6 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 132.5° | 415.5 | 416.0 | 415.8 | 415.6 | 415.4 | 415.2 | 415.0 | 414.8 | 414.6 | 414.4 | 414.2 |
| 135° | 447.5 | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.5 | 447.4 | 447.3 | 447.2 | 447.1 |
| 137.5° | 474.8 | 475.0 | 475.1 | 475.2 | 475.3 | 475.4 | 475.5 | 475.6 | 475.7 | 475.8 | 475.9 |
| 140° | 501.8 | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 | 503.0 | 503.2 | 503.4 | 503.6 | 503.8 |
| 142.5° | 532.4 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 145° | 561.4 | 562.0 | 561.9 | 561.8 | 561.7 | 561.6 | 561.5 | 561.4 | 561.3 | 561.2 | 561.1 |
| 147.5° | 584.5 | 585.0 | 585.1 | 585.2 | 585.3 | 585.4 | 585.5 | 585.6 | 585.7 | 585.8 | 585.9 |
| 150° | 599.7 | 600.0 | 600.3 | 600.6 | 600.9 | 601.2 | 601.5 | 601.8 | 602.1 | 602.4 | 602.7 |
| 152.5° | 613.7 | 614.0 | 614.4 | 614.8 | 615.2 | 615.6 | 616.0 | 616.4 | 616.8 | 617.2 | 617.6 |
| 155° | 630.5 | 631.0 | 631.5 | 632.0 | 632.5 | 633.0 | 633.5 | 634.0 | 634.5 | 635.0 | 635.5 |
| 157.5° | 647.6 | 648.0 | 648.2 | 648.4 | 648.6 | 648.8 | 649.0 | 649.2 | 649.4 | 649.6 | 649.8 |
| 160° | 663.4 | 664.0 | 663.7 | 663.4 | 663.1 | 662.8 | 662.5 | 662.2 | 661.9 | 661.6 | 661.3 |
| 162.5° | 670.6 | 671.0 | 670.9 | 670.8 | 670.7 | 670.6 | 670.5 | 670.4 | 670.3 | 670.2 | 670.1 |
| 165° | 676.5 | 677.0 | 677.3 | 677.6 | 677.9 | 678.2 | 678.5 | 678.8 | 679.1 | 679.4 | 679.7 |
| 167.5° | 683.4 | 684.0 | 684.4 | 684.8 | 685.2 | 685.6 | 686.0 | 686.4 | 686.8 | 687.2 | 687.6 |
| 170° | 688.7 | 689.0 | 689.5 | 690.0 | 690.5 | 691.0 | 691.5 | 692.0 | 692.5 | 693.0 | 693.5 |
| 172.5° | 691.7 | 692.0 | 692.2 | 692.4 | 692.6 | 692.8 | 693.0 | 693.2 | 693.4 | 693.6 | 693.8 |
| 175° | 694.5 | 695.0 | 695.1 | 695.2 | 695.3 | 695.4 | 695.5 | 695.6 | 695.7 | 695.8 | 695.9 |
| 177.5° | 698.5 | 699.0 | 699.2 | 699.4 | 699.6 | 699.8 | 700.0 | 700.2 | 700.4 | 700.6 | 700.8 |
| 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: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 |
| 2.5° | 1223.7 | 1223.7 | 1225.4 | 1227.2 | 1228.1 | 1228.1 | 1228.1 | 1229.8 | 1230.7 | 1228.1 | 1230.7 |
| 5° | 1208.7 | 1213.1 | 1216.6 | 1219.3 | 1220.2 | 1222.8 | 1225.4 | 1227.2 | 1229.8 | 1229.8 | 1231.6 |
| 7.5° | 1188.5 | 1196.4 | 1200.8 | 1205.2 | 1209.6 | 1214.0 | 1219.3 | 1222.8 | 1224.6 | 1228.1 | 1230.7 |
| 10° | 1163.0 | 1172.7 | 1181.5 | 1188.5 | 1194.7 | 1203.5 | 1210.5 | 1215.8 | 1223.7 | 1224.6 | 1230.7 |
| 12.5° | 1135.8 | 1149.8 | 1156.9 | 1170.1 | 1178.8 | 1192.0 | 1199.1 | 1207.0 | 1215.8 | 1220.2 | 1227.2 |
| 15° | 1116.4 | 1128.7 | 1141.9 | 1154.2 | 1168.3 | 1184.1 | 1192.9 | 1203.5 | 1215.8 | 1225.4 | 1234.2 |
| 17.5° | 1101.5 | 1118.2 | 1133.1 | 1149.0 | 1166.5 | 1183.2 | 1196.4 | 1207.9 | 1223.7 | 1228.9 | 1237.7 |
| 20° | 1097.1 | 1115.5 | 1130.5 | 1147.2 | 1165.7 | 1187.6 | 1203.5 | 1215.8 | 1231.6 | 1240.4 | 1248.3 |
| 22.5° | 1095.3 | 1112.9 | 1130.5 | 1150.7 | 1170.9 | 1193.8 | 1210.5 | 1226.3 | 1242.1 | 1250.0 | 1256.2 |
| 25° | 1093.6 | 1112.0 | 1131.4 | 1154.2 | 1176.2 | 1199.9 | 1219.3 | 1234.2 | 1249.2 | 1257.1 | 1262.4 |
| 27.5° | 1093.6 | 1112.9 | 1134.0 | 1156.9 | 1180.6 | 1207.0 | 1225.4 | 1239.5 | 1252.7 | 1259.7 | 1261.5 |
| 30° | 1092.7 | 1112.9 | 1133.1 | 1158.6 | 1184.1 | 1211.4 | 1231.6 | 1244.8 | 1256.2 | 1260.6 | 1258.8 |
| 32.5° | 1094.5 | 1115.5 | 1137.5 | 1163.0 | 1189.4 | 1215.8 | 1236.9 | 1251.8 | 1258.0 | 1257.1 | 1256.2 |
| 35° | 1103.2 | 1122.6 | 1148.1 | 1173.6 | 1200.8 | 1225.4 | 1245.7 | 1256.2 | 1261.5 | 1259.7 | 1255.3 |
| 37.5° | 1127.0 | 1146.3 | 1171.8 | 1199.9 | 1221.0 | 1249.2 | 1267.6 | 1275.5 | 1276.4 | 1271.1 | 1260.6 |
| 40° | 1176.2 | 1195.5 | 1218.4 | 1249.2 | 1274.7 | 1294.0 | 1311.6 | 1320.4 | 1315.1 | 1305.4 | 1294.0 |
| 42.5° | 1254.4 | 1279.1 | 1306.3 | 1330.9 | 1360.8 | 1387.2 | 1391.6 | 1396.9 | 1388.1 | 1369.6 | 1355.5 |
| 45° | 1380.2 | 1395.1 | 1430.3 | 1448.7 | 1487.4 | 1500.6 | 1510.3 | 1512.9 | 1493.6 | 1478.6 | 1454.0 |
| 47.5° | 1561.2 | 1590.3 | 1614.9 | 1632.4 | 1660.6 | 1678.2 | 1697.5 | 1688.7 | 1673.8 | 1648.3 | 1615.7 |
| 50° | 1846.1 | 1864.5 | 1896.2 | 1927.8 | 1957.7 | 1970.0 | 1970.0 | 1961.2 | 1951.6 | 1902.3 | 1862.8 |
| 52.5° | 2195.9 | 2197.7 | 2243.4 | 2281.2 | 2306.7 | 2288.2 | 2310.2 | 2288.2 | 2282.1 | 2247.8 | 2215.3 |
| 55° | 2601.2 | 2584.5 | 2639.9 | 2673.3 | 2696.1 | 2718.1 | 2713.7 | 2711.1 | 2688.2 | 2649.5 | 2610.0 |
| 57.5° | 2986.2 | 3034.6 | 3060.9 | 3110.2 | 3121.6 | 3136.5 | 3130.4 | 3121.6 | 3108.4 | 3086.4 | 3068.9 |
| 60° | 3541.8 | 3574.3 | 3598.1 | 3607.7 | 3640.3 | 3644.7 | 3666.6 | 3630.6 | 3639.4 | 3613.9 | 3558.5 |
| 62.5° | 4297.8 | 4262.6 | 4281.1 | 4281.1 | 4271.4 | 4237.2 | 4255.6 | 4269.7 | 4245.9 | 4224.8 | 4216.1 |
| 65° | 5144.4 | 5031.0 | 4922.0 | 4903.5 | 4853.4 | 4842.0 | 4827.9 | 4792.7 | 4777.8 | 4740.9 | 4711.0 |
| 66° | 5397.5 | 5221.7 | 5118.9 | 5055.6 | 4994.9 | 4981.7 | 4962.4 | 4925.5 | 4895.6 | 4843.7 | 4793.6 |
| 67.5° | 5681.5 | 5454.7 | 5300.0 | 5210.3 | 5135.6 | 5086.3 | 5047.7 | 4994.9 | 4947.4 | 4870.1 | 4790.1 |
| 70° | 5663.0 | 5475.8 | 5289.4 | 5153.1 | 5040.6 | 4939.5 | 4879.8 | 4766.4 | 4669.7 | 4558.9 | 4467.5 |
| 72.5° | 4758.4 | 4725.0 | 4616.9 | 4540.4 | 4402.4 | 4348.8 | 4190.6 | 4118.5 | 3984.9 | 3841.6 | 3797.6 |
| 75° | 3308.0 | 3177.0 | 3121.6 | 3090.8 | 3030.2 | 2863.2 | 2754.1 | 2777.9 | 2621.4 | 2481.6 | 2401.6 |
| 77.5° | 1446.1 | 1472.5 | 1319.5 | 1250.9 | 1198.2 | 1107.6 | 1023.2 | 965.2 | 931.8 | 909.8 | 810.5 |
| 80° | 400.0 | 349.0 | 344.6 | 320.0 | 314.7 | 280.4 | 284.8 | 260.2 | 243.5 | 240.0 | 232.1 |
| 82.5° | 174.9 | 171.4 | 166.1 | 163.5 | 160.9 | 157.4 | 153.0 | 152.1 | 146.8 | 142.4 | 143.3 |
| 85° | 116.0 | 115.2 | 112.5 | 109.9 | 105.5 | 99.3 | 94.9 | 91.4 | 92.3 | 87.9 | 87.0 |
| 87.5° | 67.7 | 65.9 | 65.1 | 61.5 | 60.7 | 55.4 | 56.3 | 51.9 | 51.0 | 50.1 | 47.5 |
| 90° | 18.7 | 19.3 | 21.8 | 20.7 | 17.0 | 24.7 | 21.9 | 19.9 | 20.6 | 17.7 | 17.5 |
| 92.5° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 9.0 | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4 | 8.3 | 8.2 | 8.1 | 8.0 |
| 100° | 23.0 | 22.6 | 22.2 | 21.8 | 21.4 | 21.0 | 20.6 | 20.2 | 19.8 | 19.4 | 19.0 |
| 102.5° | 42.0 | 41.7 | 41.4 | 41.1 | 40.8 | 40.5 | 40.2 | 39.9 | 39.6 | 39.3 | 39.0 |
| 105° | 65.0 | 64.6 | 64.2 | 63.8 | 63.4 | 63.0 | 62.6 | 62.2 | 61.8 | 61.4 | 61.0 |
| 107.5° | 90.0 | 89.7 | 89.4 | 89.1 | 88.8 | 88.5 | 88.2 | 87.9 | 87.6 | 87.3 | 87.0 |



REPORT NUMBER: P226778
 CATALOG NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 119.0 | 118.7 | 118.4 | 118.1 | 117.8 | 117.5 | 117.2 | 116.9 | 116.6 | 116.3 | 116.0 | 0° |
| 112.5° | 149.0 | 148.8 | 148.6 | 148.4 | 148.2 | 148.0 | 147.8 | 147.6 | 147.4 | 147.2 | 147.0 | 2.5° |
| 115° | 179.0 | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.8 | 177.6 | 177.4 | 177.2 | 177.0 | 5° |
| 117.5° | 210.0 | 209.8 | 209.6 | 209.4 | 209.2 | 209.0 | 208.8 | 208.6 | 208.4 | 208.2 | 208.0 | 7.5° |
| 120° | 245.0 | 244.8 | 244.6 | 244.4 | 244.2 | 244.0 | 243.8 | 243.6 | 243.4 | 243.2 | 243.0 | 10° |
| 122.5° | 278.0 | 277.8 | 277.6 | 277.4 | 277.2 | 277.0 | 276.8 | 276.6 | 276.4 | 276.2 | 276.0 | 12.5° |
| 125° | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 15° |
| 127.5° | 346.0 | 345.9 | 345.8 | 345.7 | 345.6 | 345.5 | 345.4 | 345.3 | 345.2 | 345.1 | 345.0 | 17.5° |
| 130° | 381.0 | 380.8 | 380.6 | 380.4 | 380.2 | 380.0 | 379.8 | 379.6 | 379.4 | 379.2 | 379.0 | 20° |
| 132.5° | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 22.5° |
| 135° | 447.0 | 447.3 | 447.6 | 447.9 | 448.2 | 448.5 | 448.8 | 449.1 | 449.4 | 449.7 | 450.0 | 25° |
| 137.5° | 476.0 | 476.5 | 477.0 | 477.5 | 478.0 | 478.5 | 479.0 | 479.5 | 480.0 | 480.5 | 481.0 | 27.5° |
| 140° | 504.0 | 504.5 | 505.0 | 505.5 | 506.0 | 506.5 | 507.0 | 507.5 | 508.0 | 508.5 | 509.0 | 30° |
| 142.5° | 533.0 | 533.1 | 533.2 | 533.3 | 533.4 | 533.5 | 533.6 | 533.7 | 533.8 | 533.9 | 534.0 | 32.5° |
| 145° | 561.0 | 560.7 | 560.4 | 560.1 | 559.8 | 559.5 | 559.2 | 558.9 | 558.6 | 558.3 | 558.0 | 35° |
| 147.5° | 586.0 | 585.7 | 585.4 | 585.1 | 584.8 | 584.5 | 584.2 | 583.9 | 583.6 | 583.3 | 583.0 | 37.5° |
| 150° | 603.0 | 603.3 | 603.6 | 603.9 | 604.2 | 604.5 | 604.8 | 605.1 | 605.4 | 605.7 | 606.0 | 40° |
| 152.5° | 618.0 | 618.5 | 619.0 | 619.5 | 620.0 | 620.5 | 621.0 | 621.5 | 622.0 | 622.5 | 623.0 | 42.5° |
| 155° | 636.0 | 636.2 | 636.4 | 636.6 | 636.8 | 637.0 | 637.2 | 637.4 | 637.6 | 637.8 | 638.0 | 45° |
| 157.5° | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 47.5° |
| 160° | 661.0 | 660.9 | 660.8 | 660.7 | 660.6 | 660.5 | 660.4 | 660.3 | 660.2 | 660.1 | 660.0 | 50° |
| 162.5° | 670.0 | 669.8 | 669.6 | 669.4 | 669.2 | 669.0 | 668.8 | 668.6 | 668.4 | 668.2 | 668.0 | 52.5° |
| 165° | 680.0 | 679.8 | 679.6 | 679.4 | 679.2 | 679.0 | 678.8 | 678.6 | 678.4 | 678.2 | 678.0 | 55° |
| 167.5° | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 57.5° |
| 170° | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 695.4 | 695.6 | 695.8 | 696.0 | 60° |
| 172.5° | 694.0 | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 695.4 | 695.6 | 695.8 | 696.0 | 62.5° |
| 175° | 696.0 | 695.8 | 695.6 | 695.4 | 695.2 | 695.0 | 694.8 | 694.6 | 694.4 | 694.2 | 694.0 | 65° |
| 177.5° | 701.0 | 700.7 | 700.4 | 700.1 | 699.8 | 699.5 | 699.2 | 698.9 | 698.6 | 698.3 | 698.0 | 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° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P226778
 NUMBER: ISW-AF-1000-LED-E1-SL2-7050-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 86° | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 1231.6 | 110° | 116.2 |
| 1233.3 | 1235.1 | 1236.0 | 1235.1 | 1236.9 | 1236.0 | 1236.9 | 1236.0 | 1231.6 | 1230.7 | 1229.8 | 112.5° | 147.0 |
| 1235.1 | 1238.6 | 1239.5 | 1240.4 | 1238.6 | 1240.4 | 1236.9 | 1222.8 | 1207.0 | 1189.4 | 1175.3 | 115° | 177.2 |
| 1236.9 | 1241.3 | 1243.9 | 1243.9 | 1244.8 | 1243.0 | 1229.8 | 1199.1 | 1162.1 | 1125.2 | 1097.1 | 117.5° | 208.2 |
| 1236.0 | 1242.1 | 1244.8 | 1245.7 | 1245.7 | 1242.1 | 1210.5 | 1161.3 | 1105.0 | 1048.7 | 991.6 | 120° | 243.0 |
| 1233.3 | 1238.6 | 1243.0 | 1243.0 | 1243.9 | 1231.6 | 1182.4 | 1112.0 | 1032.0 | 947.6 | 871.2 | 122.5° | 276.2 |
| 1238.6 | 1243.9 | 1243.9 | 1243.9 | 1243.0 | 1221.9 | 1152.5 | 1050.5 | 943.2 | 829.0 | 715.6 | 125° | 310.0 |
| 1246.5 | 1249.2 | 1247.4 | 1247.4 | 1243.9 | 1212.2 | 1119.1 | 989.8 | 849.2 | 698.0 | 539.8 | 127.5° | 345.4 |
| 1253.6 | 1255.3 | 1254.4 | 1250.0 | 1245.7 | 1201.7 | 1084.8 | 925.7 | 736.7 | 539.8 | 382.4 | 130° | 379.2 |
| 1260.6 | 1262.4 | 1258.0 | 1250.9 | 1244.8 | 1187.6 | 1043.5 | 843.9 | 609.2 | 369.2 | 253.2 | 132.5° | 414.2 |
| 1261.5 | 1263.2 | 1255.3 | 1245.7 | 1236.9 | 1166.5 | 993.4 | 756.9 | 469.4 | 239.1 | 197.8 | 135° | 450.2 |
| 1260.6 | 1258.8 | 1245.7 | 1233.3 | 1223.7 | 1141.0 | 938.0 | 648.8 | 313.0 | 180.2 | 172.3 | 137.5° | 481.2 |
| 1254.4 | 1246.5 | 1236.0 | 1221.9 | 1207.9 | 1112.9 | 882.6 | 528.3 | 197.8 | 156.5 | 156.5 | 140° | 509.4 |
| 1245.7 | 1237.7 | 1224.6 | 1206.1 | 1190.3 | 1085.7 | 819.3 | 405.3 | 158.2 | 144.2 | 145.9 | 142.5° | 534.4 |
| 1242.1 | 1233.3 | 1214.0 | 1194.7 | 1174.4 | 1061.0 | 752.5 | 272.5 | 142.4 | 136.3 | 137.1 | 145° | 558.4 |
| 1249.2 | 1234.2 | 1214.9 | 1192.9 | 1169.2 | 1039.9 | 683.0 | 189.9 | 134.5 | 127.5 | 129.2 | 147.5° | 583.4 |
| 1272.9 | 1258.8 | 1236.0 | 1207.9 | 1182.4 | 1027.6 | 609.2 | 157.4 | 126.6 | 120.4 | 120.4 | 150° | 606.8 |
| 1330.0 | 1311.6 | 1280.8 | 1247.4 | 1216.6 | 1035.6 | 543.3 | 143.3 | 120.4 | 114.3 | 114.3 | 152.5° | 624.0 |
| 1422.3 | 1400.4 | 1364.3 | 1326.5 | 1286.1 | 1074.2 | 468.5 | 138.0 | 116.0 | 107.2 | 105.5 | 155° | 638.6 |
| 1580.6 | 1551.6 | 1504.1 | 1459.3 | 1410.9 | 1141.0 | 392.9 | 134.5 | 110.8 | 102.9 | 99.3 | 157.5° | 651.0 |
| 1829.4 | 1786.3 | 1730.0 | 1671.1 | 1612.2 | 1263.2 | 333.2 | 131.0 | 107.2 | 99.3 | 95.8 | 160° | 661.2 |
| 2149.3 | 2120.3 | 2050.0 | 1972.6 | 1902.3 | 1506.7 | 298.9 | 128.3 | 104.6 | 94.9 | 92.3 | 162.5° | 669.2 |
| 2557.2 | 2509.8 | 2454.4 | 2384.9 | 2301.4 | 1822.3 | 295.4 | 127.5 | 102.0 | 91.4 | 89.7 | 165° | 678.8 |
| 2988.0 | 2969.5 | 2875.5 | 2832.4 | 2741.8 | 2242.5 | 359.5 | 129.2 | 100.2 | 88.8 | 86.1 | 167.5° | 689.2 |
| 3479.4 | 3486.4 | 3398.5 | 3351.0 | 3276.3 | 2775.2 | 572.3 | 134.5 | 100.2 | 86.1 | 83.5 | 170° | 697.0 |
| 4122.0 | 4133.4 | 4029.7 | 3973.4 | 3910.1 | 3372.1 | 899.3 | 143.3 | 102.9 | 83.5 | 80.9 | 172.5° | 697.0 |
| 4648.6 | 4587.0 | 4520.2 | 4421.8 | 4341.8 | 3705.3 | 865.9 | 159.1 | 106.4 | 80.9 | 78.2 | 175° | 695.0 |
| 4703.1 | 4659.1 | 4574.7 | 4468.3 | 4370.8 | 3707.1 | 756.0 | 164.4 | 107.2 | 80.0 | 77.4 | 177.5° | 698.8 |
| 4696.0 | 4617.8 | 4522.0 | 4432.3 | 4336.5 | 3612.1 | 584.6 | 171.4 | 109.9 | 78.2 | 75.6 | 180° | 700.0 |
| 4370.8 | 4260.9 | 4167.7 | 4043.8 | 3943.5 | 3232.4 | 359.5 | 170.5 | 106.4 | 73.0 | 71.2 | | |
| 3604.2 | 3548.0 | 3437.2 | 3337.9 | 3233.2 | 2616.1 | 246.1 | 152.1 | 94.1 | 65.9 | 66.8 | | |
| 2331.3 | 2267.1 | 2154.6 | 2098.4 | 2039.5 | 1673.8 | 191.6 | 123.9 | 80.0 | 58.9 | 61.5 | | |
| 778.0 | 752.5 | 711.2 | 734.0 | 699.7 | 652.3 | 140.7 | 94.1 | 64.2 | 51.0 | 54.5 | | |
| 233.0 | 227.7 | 235.6 | 221.5 | 234.7 | 198.7 | 92.3 | 65.9 | 49.2 | 44.0 | 48.3 | | |
| 138.0 | 136.3 | 136.3 | 136.3 | 132.7 | 123.9 | 60.7 | 45.7 | 37.8 | 36.9 | 40.4 | | |
| 84.4 | 82.6 | 83.5 | 82.6 | 84.4 | 75.6 | 41.3 | 31.6 | 28.1 | 27.3 | 32.5 | | |
| 48.3 | 48.3 | 49.2 | 47.5 | 48.3 | 46.6 | 29.0 | 20.2 | 18.5 | 17.6 | 23.7 | | |
| 18.4 | 18.4 | 15.8 | 14.9 | 15.8 | 19.3 | 16.9 | 15.2 | 12.3 | 11.4 | 15.9 | | |
| 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.0 | 6.0 | | |
| 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 | 7.0 | | |
| 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 9.0 | 9.0 | | |
| 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 23.0 | 26.0 | 29.0 | 21.0 | 12.0 | | |
| 38.8 | 38.6 | 38.4 | 38.2 | 38.0 | 39.0 | 42.0 | 47.0 | 50.0 | 40.0 | 27.0 | | |
| 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 65.0 | 70.0 | 72.0 | 63.0 | 48.0 | | |
| 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 87.0 | 90.0 | 94.0 | 95.0 | 88.0 | 73.0 | | |

'226778
 ISW-AF-1000-LED-E1-SL2-7050-ULG

REPORT NUMBER: P226778
 CATALOG NUMBER: ISW-AF-10

TION (continued):

CANDELA DISTRIBUTION (con

| 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | | 155° | 165° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 116.4 | 116.6 | 116.8 | 117.0 | 116.0 | 119.0 | 121.0 | 120.0 | 114.0 | 102.0 | 0° | 1231.6 | 1231.6 |
| 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 149.0 | 150.0 | 148.0 | 143.0 | 134.0 | 2.5° | 1222.8 | 1216.6 |
| 177.4 | 177.6 | 177.8 | 178.0 | 177.0 | 179.0 | 182.0 | 179.0 | 174.0 | 168.0 | 5° | 1153.3 | 1136.6 |
| 208.4 | 208.6 | 208.8 | 209.0 | 208.0 | 210.0 | 215.0 | 211.0 | 205.0 | 202.0 | 7.5° | 1053.1 | 1033.8 |
| 243.0 | 243.0 | 243.0 | 243.0 | 243.0 | 245.0 | 250.0 | 246.0 | 243.0 | 237.0 | 10° | 938.9 | 909.8 |
| 276.4 | 276.6 | 276.8 | 277.0 | 276.0 | 278.0 | 283.0 | 279.0 | 277.0 | 271.0 | 12.5° | 792.9 | 735.8 |
| 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 315.0 | 313.0 | 310.0 | 305.0 | 15° | 624.1 | 547.7 |
| 345.8 | 346.2 | 346.6 | 347.0 | 345.0 | 346.0 | 346.0 | 345.0 | 340.0 | 339.0 | 17.5° | 429.9 | 368.3 |
| 379.4 | 379.6 | 379.8 | 380.0 | 379.0 | 381.0 | 381.0 | 377.0 | 372.0 | 370.0 | 20° | 301.5 | 278.7 |
| 414.4 | 414.6 | 414.8 | 415.0 | 414.0 | 414.0 | 416.0 | 411.0 | 405.0 | 404.0 | 22.5° | 233.0 | 233.8 |
| 450.4 | 450.6 | 450.8 | 451.0 | 450.0 | 447.0 | 448.0 | 443.0 | 437.0 | 435.0 | 25° | 193.4 | 202.2 |
| 481.4 | 481.6 | 481.8 | 482.0 | 481.0 | 476.0 | 475.0 | 473.0 | 468.0 | 464.0 | 27.5° | 170.5 | 179.3 |
| 509.8 | 510.2 | 510.6 | 511.0 | 509.0 | 504.0 | 502.0 | 500.0 | 497.0 | 491.0 | 30° | 156.5 | 164.4 |
| 534.8 | 535.2 | 535.6 | 536.0 | 534.0 | 533.0 | 533.0 | 527.0 | 525.0 | 521.0 | 32.5° | 146.8 | 150.3 |
| 558.8 | 559.2 | 559.6 | 560.0 | 558.0 | 561.0 | 562.0 | 556.0 | 551.0 | 550.0 | 35° | 135.4 | 137.1 |
| 583.8 | 584.2 | 584.6 | 585.0 | 583.0 | 586.0 | 585.0 | 580.0 | 575.0 | 574.0 | 37.5° | 125.7 | 125.7 |
| 607.6 | 608.4 | 609.2 | 610.0 | 606.0 | 603.0 | 600.0 | 597.0 | 593.0 | 593.0 | 40° | 116.9 | 116.0 |
| 625.0 | 626.0 | 627.0 | 628.0 | 623.0 | 618.0 | 614.0 | 611.0 | 610.0 | 610.0 | 42.5° | 109.0 | 108.1 |
| 639.2 | 639.8 | 640.4 | 641.0 | 638.0 | 636.0 | 631.0 | 626.0 | 628.0 | 630.0 | 45° | 101.1 | 102.0 |
| 652.0 | 653.0 | 654.0 | 655.0 | 650.0 | 650.0 | 648.0 | 644.0 | 645.0 | 646.0 | 47.5° | 96.7 | 97.6 |
| 662.4 | 663.6 | 664.8 | 666.0 | 660.0 | 661.0 | 664.0 | 658.0 | 655.0 | 655.0 | 50° | 92.3 | 93.2 |
| 670.4 | 671.6 | 672.8 | 674.0 | 668.0 | 670.0 | 671.0 | 667.0 | 663.0 | 661.0 | 52.5° | 88.8 | 88.8 |
| 679.6 | 680.4 | 681.2 | 682.0 | 678.0 | 680.0 | 677.0 | 672.0 | 673.0 | 673.0 | 55° | 85.3 | 84.4 |
| 690.4 | 691.6 | 692.8 | 694.0 | 688.0 | 688.0 | 684.0 | 678.0 | 685.0 | 688.0 | 57.5° | 82.6 | 80.9 |
| 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 689.0 | 686.0 | 691.0 | 693.0 | 60° | 80.0 | 78.2 |
| 698.0 | 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 692.0 | 689.0 | 690.0 | 690.0 | 62.5° | 78.2 | 75.6 |
| 696.0 | 697.0 | 698.0 | 699.0 | 694.0 | 696.0 | 695.0 | 690.0 | 690.0 | 691.0 | 65° | 76.5 | 74.7 |
| 699.6 | 700.4 | 701.2 | 702.0 | 698.0 | 701.0 | 699.0 | 694.0 | 695.0 | 697.0 | 66° | 75.6 | 73.8 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 74.7 | 73.0 |
| | | | | | | | | | | 70° | 71.2 | 69.4 |
| | | | | | | | | | | 72.5° | 65.9 | 65.1 |
| | | | | | | | | | | 75° | 60.7 | 58.9 |
| | | | | | | | | | | 77.5° | 53.6 | 52.7 |
| | | | | | | | | | | 80° | 45.7 | 44.8 |
| | | | | | | | | | | 82.5° | 38.7 | 36.9 |
| | | | | | | | | | | 85° | 30.8 | 29.0 |
| | | | | | | | | | | 87.5° | 21.1 | 19.3 |
| | | | | | | | | | | 90° | 13.3 | 13.2 |
| | | | | | | | | | | 92.5° | 6.0 | 5.0 |
| | | | | | | | | | | 95° | 7.0 | 6.0 |
| | | | | | | | | | | 97.5° | 8.0 | 8.0 |
| | | | | | | | | | | 100° | 10.0 | 9.0 |
| | | | | | | | | | | 102.5° | 18.0 | 13.0 |
| | | | | | | | | | | 105° | 36.0 | 27.0 |
| | | | | | | | | | | 107.5° | 58.0 | 49.0 |

REPORT NUMBER: P226778

CATALOG NUMBER: ISW-AF-1000-LED-E:

000-LED-E1-SL2-7050-ULG

tinued):

| 175° | 180° |
|-------------|-------------|
| 1231.6 | 1231.6 |
| 1211.4 | 1219.3 |
| 1131.4 | 1128.7 |
| 1018.0 | 1018.9 |
| 880.8 | 882.6 |
| 703.3 | 692.7 |
| 503.7 | 508.1 |
| 350.8 | 349.9 |
| 281.3 | 283.1 |
| 240.9 | 240.9 |
| 214.5 | 214.5 |
| 189.0 | 189.9 |
| 171.4 | 173.2 |
| 155.6 | 156.5 |
| 139.8 | 140.7 |
| 126.6 | 126.6 |
| 117.8 | 118.7 |
| 111.6 | 111.6 |
| 105.5 | 105.5 |
| 100.2 | 102.0 |
| 94.9 | 95.8 |
| 89.7 | 90.5 |
| 84.4 | 84.4 |
| 80.0 | 80.0 |
| 76.5 | 75.6 |
| 73.8 | 72.1 |
| 71.2 | 70.3 |
| 70.3 | 69.4 |
| 69.4 | 68.6 |
| 67.7 | 66.8 |
| 65.1 | 64.2 |
| 59.8 | 58.0 |
| 54.5 | 52.7 |
| 50.1 | 47.5 |
| 42.2 | 40.4 |
| 30.8 | 29.0 |
| 18.5 | 18.5 |
| 9.4 | 9.4 |
| 4.0 | 4.0 |
| 5.0 | 5.0 |
| 7.0 | 7.0 |
| 8.0 | 8.0 |
| 11.0 | 11.0 |
| 22.0 | 21.0 |
| 42.0 | 41.0 |

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° |
|--------|-------|-------|-------|
| 110° | 87.0 | 74.0 | 68.0 |
| 112.5° | 121.0 | 106.0 | 99.0 |
| 115° | 159.0 | 147.0 | 139.0 |
| 117.5° | 197.0 | 189.0 | 184.0 |
| 120° | 233.0 | 226.0 | 223.0 |
| 122.5° | 267.0 | 261.0 | 260.0 |
| 125° | 299.0 | 296.0 | 294.0 |
| 127.5° | 333.0 | 329.0 | 329.0 |
| 130° | 366.0 | 362.0 | 361.0 |
| 132.5° | 401.0 | 393.0 | 394.0 |
| 135° | 432.0 | 426.0 | 426.0 |
| 137.5° | 460.0 | 459.0 | 457.0 |
| 140° | 489.0 | 487.0 | 485.0 |
| 142.5° | 518.0 | 517.0 | 515.0 |
| 145° | 547.0 | 544.0 | 546.0 |
| 147.5° | 574.0 | 571.0 | 572.0 |
| 150° | 593.0 | 593.0 | 592.0 |
| 152.5° | 609.0 | 608.0 | 608.0 |
| 155° | 627.0 | 625.0 | 625.0 |
| 157.5° | 644.0 | 643.0 | 643.0 |
| 160° | 656.0 | 659.0 | 660.0 |
| 162.5° | 665.0 | 669.0 | 669.0 |
| 165° | 676.0 | 676.0 | 678.0 |
| 167.5° | 686.0 | 684.0 | 687.0 |
| 170° | 692.0 | 692.0 | 695.0 |
| 172.5° | 693.0 | 695.0 | 697.0 |
| 175° | 695.0 | 697.0 | 698.0 |
| 177.5° | 699.0 | 700.0 | 705.0 |
| 180° | 700.0 | 700.0 | 700.0 |



1-SL2-7050-ULG

| 180° |
|-------|
| 66.0 |
| 99.0 |
| 140.0 |
| 184.0 |
| 225.0 |
| 263.0 |
| 298.0 |
| 330.0 |
| 363.0 |
| 396.0 |
| 429.0 |
| 460.0 |
| 488.0 |
| 518.0 |
| 550.0 |
| 575.0 |
| 595.0 |
| 611.0 |
| 629.0 |
| 646.0 |
| 663.0 |
| 673.0 |
| 681.0 |
| 690.0 |
| 698.0 |
| 699.0 |
| 700.0 |
| 707.0 |
| 700.0 |

(END OF REPORT)