

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: P226354

Luminaire Tested: **ISW-AF-1200-LED-E1-T2-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35937)-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-T2-7030-ULG
Description: IMPACT ELITE LED WEDGE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, WITH UPLIGHT GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7837.4 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G2

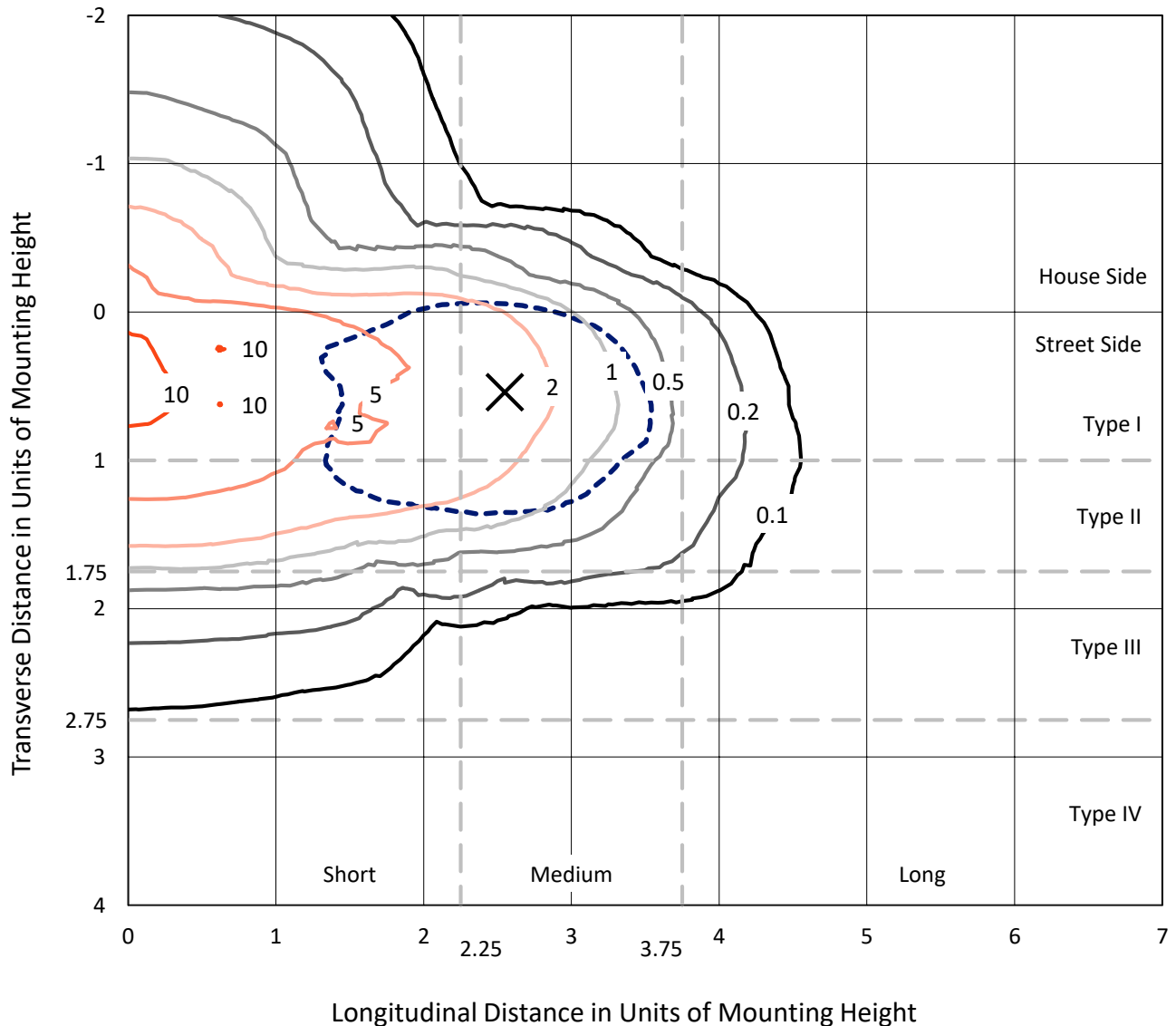
Input Watts (W): 82.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

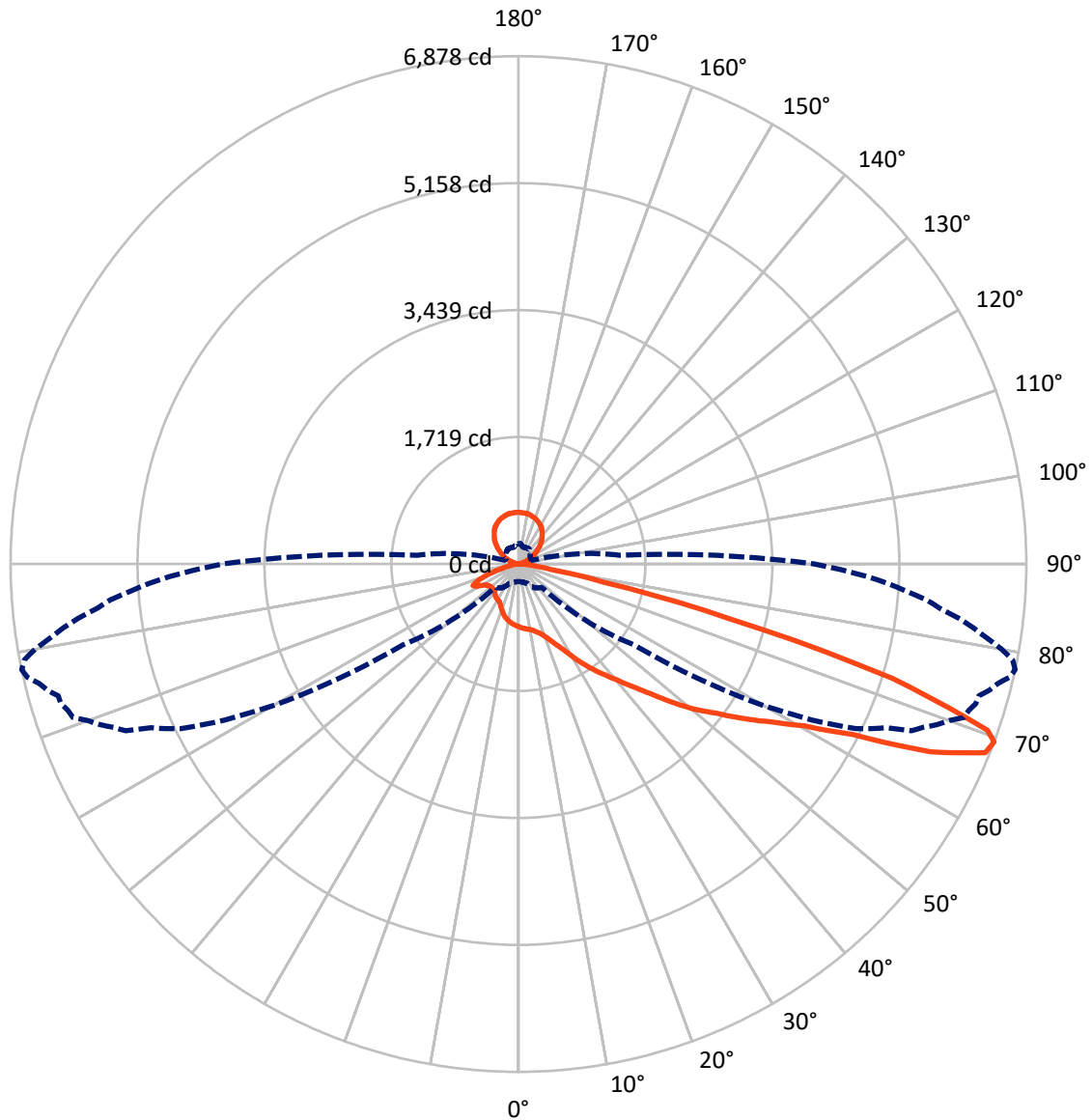
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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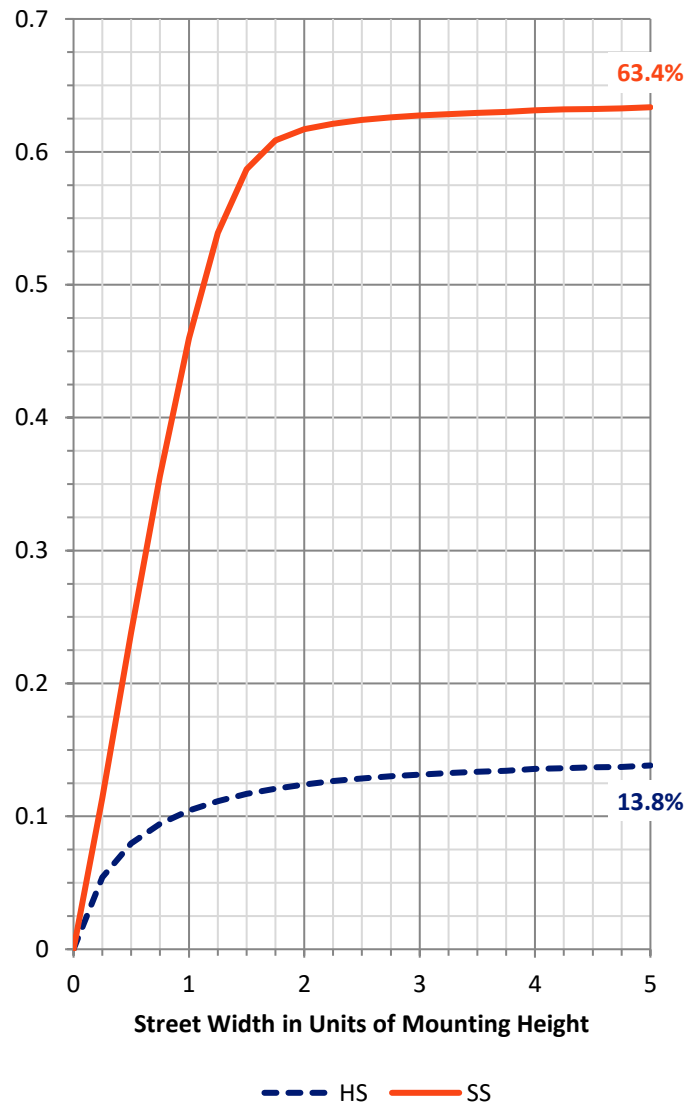
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1116.0 | 869.7 | 1985.7 |
| | % Fixture | 14.2 | 11.1 | 25.3 |
| Street Side | Lumens | 4983.1 | 868.6 | 5851.7 |
| | % Fixture | 63.6 | 11.1 | 74.7 |
| Total | Lumens | 6099.2 | 1738.3 | 7837.4 |
| | % Fixture | 77.8 | 22.2 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.8 | 1.0 |
| 10°-20° | 237.9 | 3.0 |
| 20°-30° | 426.5 | 5.4 |
| 30°-40° | 696.2 | 8.9 |
| 40°-50° | 1029.8 | 13.1 |
| 50°-60° | 1344.6 | 17.2 |
| 60°-70° | 1503.8 | 19.2 |
| 70°-80° | 675.1 | 8.6 |
| 80°-90° | 106.3 | 1.4 |
| 90°-100° | 12.4 | 0.2 |
| 100°-110° | 57.4 | 0.7 |
| 110°-120° | 166.1 | 2.1 |
| 120°-130° | 273.2 | 3.5 |
| 130°-140° | 336.8 | 4.3 |
| 140°-150° | 344.6 | 4.4 |
| 150°-160° | 290.3 | 3.7 |
| 160°-170° | 191.2 | 2.4 |
| 170°-180° | 66.3 | 0.8 |
| 0°-90° | 6099.2 | 77.8 |
| 0°-180° | 7837.4 | 100.0 |



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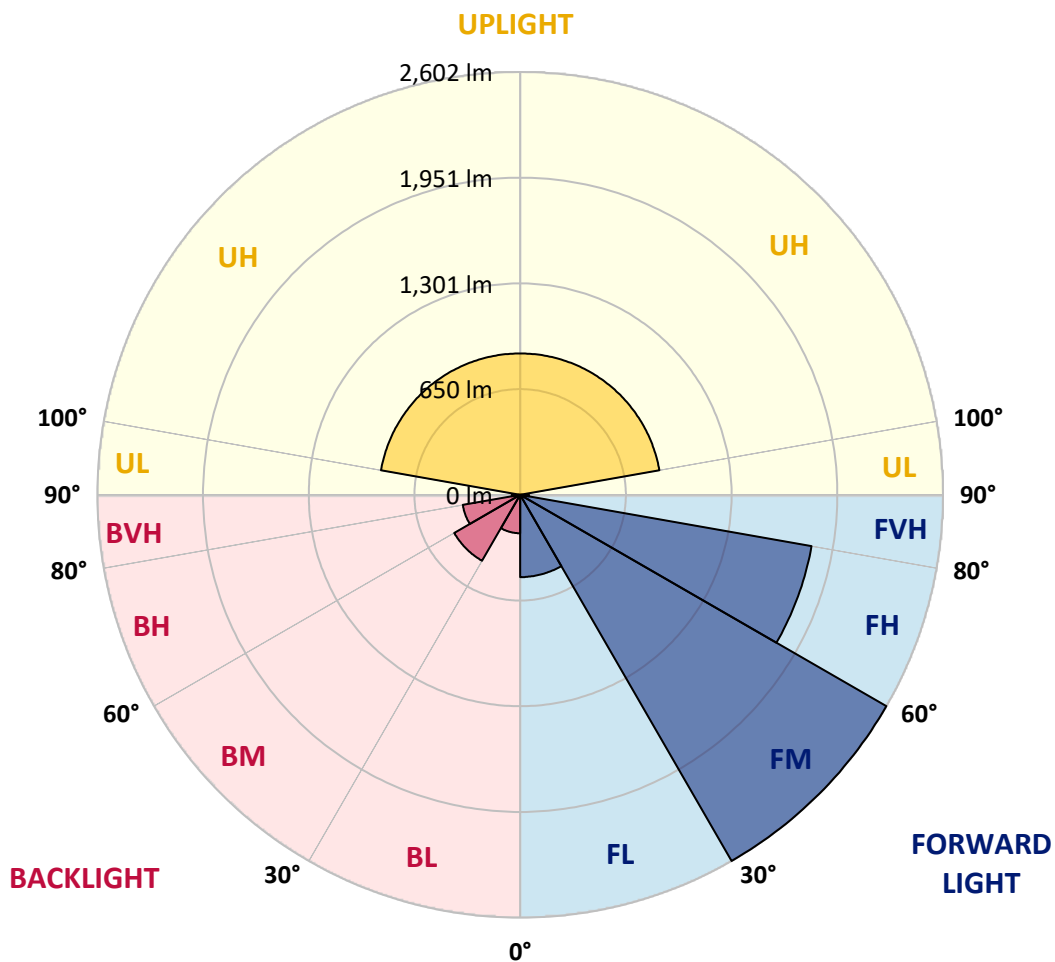
CATALOG NUMBER: ISW-AF-1200-LED-E1-T2-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 506.5 | 6.5 | | | |
| FM (30°-60°) | 2601.9 | 33.2 | | | |
| FH (60°-80°) | 1820.4 | 23.2 | | | G2/5000 |
| FVH (80°-90°) | 54.3 | 0.7 | | | G1/100 |
| BL (0°-30°) | 236.8 | 3.0 | B1/500 | | |
| BM (30°-60°) | 468.7 | 6.0 | B1/1000 | | |
| BH (60°-80°) | 358.5 | 4.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 52.0 | 0.7 | | | G1/100 |
| UL (90°-100°) | 12.4 | 0.2 | | U2/50 | |
| UH (100°-180°) | 869.7 | 11.1 | | U4/1000 | |

BUG Rating: B1-U5-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 |
| 2.5° | 908.7 | 908.7 | 906.1 | 904.3 | 901.7 | 894.6 | 883.9 | 882.2 | 881.3 | 879.5 | 877.7 |
| 5° | 975.2 | 968.1 | 969.9 | 965.4 | 955.7 | 943.3 | 923.8 | 914.1 | 908.7 | 907.9 | 904.3 |
| 7.5° | 1029.2 | 1030.1 | 1027.4 | 1018.6 | 1005.3 | 990.2 | 963.7 | 948.6 | 944.2 | 941.5 | 935.3 |
| 10° | 1068.2 | 1065.5 | 1063.7 | 1062.0 | 1051.3 | 1038.9 | 1005.3 | 986.7 | 983.1 | 976.1 | 969.0 |
| 12.5° | 1096.5 | 1096.5 | 1096.5 | 1094.7 | 1088.5 | 1078.8 | 1052.2 | 1033.6 | 1029.2 | 1019.5 | 1013.3 |
| 15° | 1127.5 | 1124.0 | 1120.4 | 1117.8 | 1118.7 | 1118.7 | 1099.2 | 1085.0 | 1077.9 | 1072.6 | 1060.2 |
| 17.5° | 1193.9 | 1186.0 | 1178.0 | 1167.4 | 1150.5 | 1146.1 | 1145.2 | 1144.3 | 1134.6 | 1133.7 | 1121.3 |
| 20° | 1250.6 | 1243.5 | 1236.5 | 1225.8 | 1201.9 | 1176.2 | 1189.5 | 1201.9 | 1200.1 | 1201.0 | 1194.8 |
| 22.5° | 1320.6 | 1315.3 | 1301.1 | 1288.7 | 1257.7 | 1226.7 | 1228.5 | 1255.1 | 1258.6 | 1262.1 | 1263.9 |
| 25° | 1416.3 | 1413.6 | 1390.6 | 1366.7 | 1331.2 | 1302.0 | 1274.5 | 1307.3 | 1314.4 | 1322.4 | 1338.3 |
| 27.5° | 1512.8 | 1506.6 | 1481.8 | 1460.5 | 1416.3 | 1385.3 | 1347.2 | 1364.9 | 1375.5 | 1390.6 | 1415.4 |
| 30° | 1637.7 | 1620.9 | 1612.0 | 1564.2 | 1523.4 | 1478.3 | 1445.5 | 1450.8 | 1449.0 | 1466.7 | 1504.8 |
| 32.5° | 1818.4 | 1791.8 | 1747.5 | 1699.7 | 1651.9 | 1591.6 | 1564.2 | 1563.3 | 1558.9 | 1579.2 | 1600.5 |
| 35° | 1915.8 | 1909.6 | 1882.1 | 1834.3 | 1782.1 | 1725.4 | 1707.7 | 1690.8 | 1693.5 | 1704.1 | 1712.1 |
| 37.5° | 2021.2 | 2015.9 | 1994.6 | 1968.1 | 1928.2 | 1959.2 | 1860.9 | 1836.1 | 1824.6 | 1819.3 | 1821.9 |
| 40° | 2067.3 | 2071.7 | 2083.2 | 2087.6 | 2064.6 | 2213.4 | 2019.4 | 1937.9 | 1934.4 | 1926.4 | 1918.5 |
| 42.5° | 2077.0 | 2088.5 | 2111.5 | 2162.0 | 2184.2 | 2508.3 | 2150.5 | 2052.2 | 2038.0 | 2031.8 | 2032.7 |
| 45° | 2112.4 | 2130.1 | 2134.6 | 2180.6 | 2285.1 | 2523.4 | 2298.4 | 2153.2 | 2142.5 | 2141.7 | 2136.3 |
| 47.5° | 2198.3 | 2222.3 | 2222.3 | 2242.6 | 2341.8 | 2552.6 | 2348.9 | 2254.1 | 2247.1 | 2243.5 | 2257.7 |
| 50° | 2210.7 | 2242.6 | 2306.4 | 2371.9 | 2443.7 | 2576.5 | 2406.5 | 2364.0 | 2366.6 | 2374.6 | 2416.2 |
| 52.5° | 2000.8 | 2032.7 | 2201.0 | 2394.1 | 2627.9 | 2642.1 | 2493.3 | 2510.1 | 2527.8 | 2566.8 | 2643.0 |
| 55° | 1715.6 | 1738.7 | 1937.9 | 2247.1 | 2635.0 | 2891.0 | 2711.2 | 2758.1 | 2795.3 | 2806.8 | 2926.4 |
| 57.5° | 1350.7 | 1382.6 | 1585.4 | 1986.7 | 2460.5 | 2961.8 | 3212.5 | 3233.7 | 3192.1 | 3230.2 | 3273.6 |
| 60° | 731.6 | 728.1 | 1010.6 | 1436.6 | 2093.8 | 2830.7 | 3696.1 | 4061.0 | 4069.8 | 4128.3 | 4058.3 |
| 62.5° | 409.2 | 409.2 | 490.7 | 737.8 | 1347.2 | 2395.0 | 3928.1 | 4776.6 | 4887.4 | 4980.4 | 5185.0 |
| 65° | 309.1 | 311.8 | 341.0 | 444.6 | 756.4 | 1511.9 | 3758.1 | 5021.1 | 5233.7 | 5447.1 | 5805.8 |
| 67.5° | 256.9 | 256.9 | 278.1 | 331.3 | 473.0 | 686.4 | 2767.0 | 4530.4 | 4796.1 | 5051.2 | 5547.2 |
| 69° | 238.3 | 239.1 | 255.1 | 291.4 | 395.9 | 446.4 | 1911.4 | 3841.3 | 4145.1 | 4498.5 | 5083.1 |
| 70° | 229.4 | 226.7 | 241.8 | 271.9 | 358.7 | 352.5 | 1400.3 | 3340.0 | 3575.6 | 3892.7 | 4565.0 |
| 72.5° | 203.7 | 201.1 | 209.0 | 232.1 | 282.5 | 251.5 | 571.3 | 1797.1 | 2152.3 | 2507.5 | 3043.3 |
| 75° | 181.6 | 178.9 | 185.1 | 195.7 | 219.7 | 192.2 | 287.0 | 752.9 | 911.4 | 1178.0 | 1625.3 |
| 77.5° | 160.3 | 155.0 | 160.3 | 167.4 | 172.7 | 143.5 | 194.9 | 348.1 | 426.9 | 524.3 | 740.5 |
| 80° | 145.3 | 139.9 | 146.1 | 142.6 | 135.5 | 110.7 | 129.3 | 202.8 | 225.0 | 269.3 | 352.5 |
| 82.5° | 103.6 | 102.7 | 139.1 | 143.5 | 108.1 | 80.6 | 92.1 | 130.2 | 145.3 | 153.2 | 186.0 |
| 85° | 63.8 | 61.1 | 80.6 | 102.7 | 109.8 | 50.5 | 59.3 | 77.1 | 80.6 | 87.7 | 103.6 |
| 87.5° | 32.8 | 33.7 | 43.4 | 53.1 | 71.7 | 30.1 | 35.4 | 45.2 | 45.2 | 45.2 | 51.4 |
| 90° | 13.0 | 14.7 | 20.3 | 26.6 | 23.1 | 15.0 | 20.3 | 18.6 | 20.6 | 19.0 | 21.2 |
| 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 | 7.9 |
| 97.5° | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 12.0 | 11.0 | 10.8 | 10.6 | 10.2 |
| 100° | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 21.0 | 29.0 | 27.5 | 27.2 | 26.9 | 26.3 |
| 102.5° | 11.0 | 11.0 | 13.0 | 18.0 | 27.0 | 40.0 | 50.0 | 48.5 | 48.2 | 47.9 | 47.3 |
| 105° | 21.0 | 22.0 | 27.0 | 36.0 | 48.0 | 63.0 | 72.0 | 71.0 | 70.8 | 70.6 | 70.2 |
| 107.5° | 41.0 | 42.0 | 49.0 | 58.0 | 73.0 | 88.0 | 95.0 | 94.5 | 94.4 | 94.3 | 94.1 |



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CATALOG NUMBER: ISW-AF-1200-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 68.0 | 74.0 | 87.0 | 102.0 | 114.0 | 120.0 | 120.5 | 120.6 | 120.7 | 120.9 |
| 112.5° | 99.0 | 99.0 | 106.0 | 121.0 | 134.0 | 143.0 | 148.0 | 149.0 | 149.2 | 149.4 | 149.8 |
| 115° | 140.0 | 139.0 | 147.0 | 159.0 | 168.0 | 174.0 | 179.0 | 180.5 | 180.8 | 181.1 | 181.7 |
| 117.5° | 184.0 | 184.0 | 189.0 | 197.0 | 202.0 | 205.0 | 211.0 | 213.0 | 213.4 | 213.8 | 214.6 |
| 120° | 225.0 | 223.0 | 226.0 | 233.0 | 237.0 | 243.0 | 246.0 | 248.0 | 248.4 | 248.8 | 249.6 |
| 122.5° | 263.0 | 260.0 | 261.0 | 267.0 | 271.0 | 277.0 | 279.0 | 281.0 | 281.4 | 281.8 | 282.6 |
| 125° | 298.0 | 294.0 | 296.0 | 299.0 | 305.0 | 310.0 | 313.0 | 314.0 | 314.2 | 314.4 | 314.8 |
| 127.5° | 330.0 | 329.0 | 329.0 | 333.0 | 339.0 | 340.0 | 345.0 | 345.5 | 345.6 | 345.7 | 345.9 |
| 130° | 363.0 | 361.0 | 362.0 | 366.0 | 370.0 | 372.0 | 377.0 | 379.0 | 379.4 | 379.8 | 380.6 |
| 132.5° | 396.0 | 394.0 | 393.0 | 401.0 | 404.0 | 405.0 | 411.0 | 413.5 | 414.0 | 414.5 | 415.5 |
| 135° | 429.0 | 426.0 | 426.0 | 432.0 | 435.0 | 437.0 | 443.0 | 445.5 | 446.0 | 446.5 | 447.5 |
| 137.5° | 460.0 | 457.0 | 459.0 | 460.0 | 464.0 | 468.0 | 473.0 | 474.0 | 474.2 | 474.4 | 474.8 |
| 140° | 488.0 | 485.0 | 487.0 | 489.0 | 491.0 | 497.0 | 500.0 | 501.0 | 501.2 | 501.4 | 501.8 |
| 142.5° | 518.0 | 515.0 | 517.0 | 518.0 | 521.0 | 525.0 | 527.0 | 530.0 | 530.6 | 531.2 | 532.4 |
| 145° | 550.0 | 546.0 | 544.0 | 547.0 | 550.0 | 551.0 | 556.0 | 559.0 | 559.6 | 560.2 | 561.4 |
| 147.5° | 575.0 | 572.0 | 571.0 | 574.0 | 574.0 | 575.0 | 580.0 | 582.5 | 583.0 | 583.5 | 584.5 |
| 150° | 595.0 | 592.0 | 593.0 | 593.0 | 593.0 | 593.0 | 597.0 | 598.5 | 598.8 | 599.1 | 599.7 |
| 152.5° | 611.0 | 608.0 | 608.0 | 609.0 | 610.0 | 610.0 | 611.0 | 612.5 | 612.8 | 613.1 | 613.7 |
| 155° | 629.0 | 625.0 | 625.0 | 627.0 | 630.0 | 628.0 | 626.0 | 628.5 | 629.0 | 629.5 | 630.5 |
| 157.5° | 646.0 | 643.0 | 643.0 | 644.0 | 646.0 | 645.0 | 644.0 | 646.0 | 646.4 | 646.8 | 647.6 |
| 160° | 663.0 | 660.0 | 659.0 | 656.0 | 655.0 | 655.0 | 658.0 | 661.0 | 661.6 | 662.2 | 663.4 |
| 162.5° | 673.0 | 669.0 | 669.0 | 665.0 | 661.0 | 663.0 | 667.0 | 669.0 | 669.4 | 669.8 | 670.6 |
| 165° | 681.0 | 678.0 | 676.0 | 676.0 | 673.0 | 673.0 | 672.0 | 674.5 | 675.0 | 675.5 | 676.5 |
| 167.5° | 690.0 | 687.0 | 684.0 | 686.0 | 688.0 | 685.0 | 678.0 | 681.0 | 681.6 | 682.2 | 683.4 |
| 170° | 698.0 | 695.0 | 692.0 | 692.0 | 693.0 | 691.0 | 686.0 | 687.5 | 687.8 | 688.1 | 688.7 |
| 172.5° | 699.0 | 697.0 | 695.0 | 693.0 | 690.0 | 690.0 | 689.0 | 690.5 | 690.8 | 691.1 | 691.7 |
| 175° | 700.0 | 698.0 | 697.0 | 695.0 | 691.0 | 690.0 | 690.0 | 692.5 | 693.0 | 693.5 | 694.5 |
| 177.5° | 707.0 | 705.0 | 700.0 | 699.0 | 697.0 | 695.0 | 694.0 | 696.5 | 697.0 | 697.5 | 698.5 |
| 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-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 |
| 2.5° | 878.6 | 876.0 | 872.4 | 873.3 | 871.5 | 868.9 | 869.8 | 868.9 | 869.8 | 868.0 | 866.2 |
| 5° | 904.3 | 902.5 | 897.2 | 896.3 | 894.6 | 892.8 | 890.1 | 887.5 | 886.6 | 884.8 | 881.3 |
| 7.5° | 933.5 | 928.2 | 925.6 | 922.0 | 917.6 | 910.5 | 909.6 | 906.1 | 903.4 | 901.7 | 897.2 |
| 10° | 963.7 | 957.5 | 953.9 | 949.5 | 945.1 | 940.6 | 936.2 | 930.0 | 923.8 | 922.0 | 916.7 |
| 12.5° | 1008.8 | 1000.9 | 993.8 | 986.7 | 982.3 | 974.3 | 968.1 | 960.1 | 953.9 | 951.3 | 942.4 |
| 15° | 1058.4 | 1047.8 | 1040.7 | 1035.4 | 1028.3 | 1021.2 | 1013.3 | 1006.2 | 996.4 | 988.5 | 980.5 |
| 17.5° | 1116.9 | 1107.1 | 1101.8 | 1092.1 | 1083.2 | 1075.3 | 1069.1 | 1060.2 | 1052.2 | 1038.1 | 1031.0 |
| 20° | 1193.9 | 1186.0 | 1179.8 | 1169.1 | 1159.4 | 1151.4 | 1146.1 | 1127.5 | 1116.9 | 1104.5 | 1093.0 |
| 22.5° | 1265.7 | 1266.6 | 1260.4 | 1253.3 | 1247.1 | 1236.5 | 1227.6 | 1214.3 | 1201.0 | 1186.0 | 1170.0 |
| 25° | 1343.6 | 1350.7 | 1351.6 | 1349.8 | 1346.3 | 1333.9 | 1329.5 | 1316.2 | 1305.5 | 1280.7 | 1273.7 |
| 27.5° | 1430.4 | 1438.4 | 1448.1 | 1460.5 | 1463.2 | 1449.9 | 1456.1 | 1442.8 | 1424.2 | 1413.6 | 1390.6 |
| 30° | 1514.6 | 1536.7 | 1557.1 | 1571.3 | 1580.1 | 1586.3 | 1581.9 | 1577.5 | 1565.1 | 1547.3 | 1527.0 |
| 32.5° | 1622.6 | 1645.7 | 1666.0 | 1697.0 | 1713.0 | 1732.5 | 1728.9 | 1730.7 | 1726.3 | 1708.5 | 1684.6 |
| 35° | 1731.6 | 1751.9 | 1778.5 | 1798.9 | 1837.9 | 1859.1 | 1876.8 | 1875.9 | 1875.9 | 1865.3 | 1842.3 |
| 37.5° | 1828.1 | 1839.6 | 1861.8 | 1895.4 | 1921.1 | 1954.8 | 1983.1 | 1994.6 | 2013.2 | 2014.1 | 1989.3 |
| 40° | 1929.1 | 1940.6 | 1957.4 | 1982.2 | 2010.6 | 2050.4 | 2088.5 | 2125.7 | 2143.4 | 2162.0 | 2152.3 |
| 42.5° | 2038.0 | 2050.4 | 2062.8 | 2078.8 | 2119.5 | 2150.5 | 2201.9 | 2252.4 | 2288.7 | 2326.8 | 2322.3 |
| 45° | 2146.1 | 2160.3 | 2178.0 | 2201.9 | 2238.2 | 2288.7 | 2338.3 | 2395.0 | 2478.2 | 2523.4 | 2554.4 |
| 47.5° | 2268.3 | 2291.3 | 2324.1 | 2362.2 | 2391.4 | 2443.7 | 2506.6 | 2594.3 | 2678.4 | 2756.3 | 2805.0 |
| 50° | 2452.5 | 2461.4 | 2514.5 | 2551.7 | 2607.5 | 2660.7 | 2723.6 | 2800.6 | 2909.6 | 2989.3 | 3067.2 |
| 52.5° | 2669.5 | 2703.2 | 2756.3 | 2798.8 | 2843.1 | 2896.3 | 2960.9 | 3030.0 | 3138.1 | 3227.5 | 3328.5 |
| 55° | 2949.4 | 2997.2 | 3043.3 | 3066.3 | 3128.3 | 3176.2 | 3228.4 | 3296.6 | 3412.6 | 3510.1 | 3628.8 |
| 57.5° | 3283.3 | 3331.2 | 3353.3 | 3387.0 | 3413.5 | 3466.7 | 3537.5 | 3583.6 | 3686.3 | 3787.3 | 3913.1 |
| 60° | 3968.9 | 3938.8 | 3965.3 | 3913.1 | 3905.1 | 3909.5 | 3924.6 | 3960.0 | 4017.6 | 4111.5 | 4244.3 |
| 62.5° | 5206.2 | 5162.8 | 5047.7 | 5006.0 | 4925.4 | 4816.5 | 4713.8 | 4699.6 | 4669.5 | 4740.3 | 4823.6 |
| 65° | 5929.0 | 6086.6 | 6103.4 | 6147.7 | 6115.8 | 6030.8 | 5910.4 | 5871.4 | 5774.0 | 5705.8 | 5701.3 |
| 67.5° | 5755.4 | 5991.8 | 6139.8 | 6326.6 | 6430.3 | 6531.2 | 6557.8 | 6592.4 | 6529.5 | 6498.5 | 6507.3 |
| 69° | 5272.6 | 5448.0 | 5779.3 | 5906.8 | 6070.7 | 6205.3 | 6382.4 | 6413.4 | 6474.6 | 6483.4 | 6601.2 |
| 70° | 4794.4 | 5052.1 | 5241.6 | 5433.0 | 5659.7 | 5807.6 | 5887.3 | 6018.4 | 6169.9 | 6244.3 | 6371.8 |
| 72.5° | 3447.2 | 3531.3 | 3666.0 | 3914.0 | 3976.8 | 4130.1 | 4286.8 | 4398.4 | 4576.5 | 4702.2 | 5002.5 |
| 75° | 1860.0 | 1910.5 | 2122.2 | 2263.0 | 2300.2 | 2350.7 | 2465.8 | 2493.3 | 2559.7 | 2600.5 | 2889.2 |
| 77.5° | 849.4 | 926.5 | 953.9 | 1031.0 | 987.6 | 1008.8 | 1036.3 | 1030.1 | 1048.7 | 1137.3 | 1238.2 |
| 80° | 391.5 | 406.5 | 417.2 | 449.1 | 450.8 | 443.7 | 446.4 | 442.0 | 438.4 | 452.6 | 463.2 |
| 82.5° | 190.4 | 213.5 | 213.5 | 232.9 | 242.7 | 240.0 | 245.3 | 243.6 | 247.1 | 243.6 | 255.1 |
| 85° | 111.6 | 111.6 | 120.5 | 131.1 | 129.3 | 132.9 | 132.9 | 139.9 | 140.8 | 142.6 | 142.6 |
| 87.5° | 52.3 | 57.6 | 60.2 | 64.7 | 66.4 | 69.1 | 70.9 | 70.9 | 71.7 | 70.0 | 71.7 |
| 90° | 22.3 | 22.3 | 31.1 | 31.1 | 32.9 | 35.6 | 32.0 | 33.8 | 40.0 | 32.0 | 38.2 |
| 92.5° | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1 | 6.0 |
| 95° | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 7.0 |
| 97.5° | 10.0 | 9.9 | 9.8 | 9.7 | 9.6 | 9.5 | 9.4 | 9.3 | 9.2 | 9.1 | 9.0 |
| 100° | 26.0 | 25.7 | 25.4 | 25.1 | 24.8 | 24.5 | 24.2 | 23.9 | 23.6 | 23.3 | 23.0 |
| 102.5° | 47.0 | 46.5 | 46.0 | 45.5 | 45.0 | 44.5 | 44.0 | 43.5 | 43.0 | 42.5 | 42.0 |
| 105° | 70.0 | 69.5 | 69.0 | 68.5 | 68.0 | 67.5 | 67.0 | 66.5 | 66.0 | 65.5 | 65.0 |
| 107.5° | 94.0 | 93.6 | 93.2 | 92.8 | 92.4 | 92.0 | 91.6 | 91.2 | 90.8 | 90.4 | 90.0 |



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CATALOG NUMBER: ISW-AF-1200-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 121.0 | 120.8 | 120.6 | 120.4 | 120.2 | 120.0 | 119.8 | 119.6 | 119.4 | 119.2 | 119.0 |
| 112.5° | 150.0 | 149.9 | 149.8 | 149.7 | 149.6 | 149.5 | 149.4 | 149.3 | 149.2 | 149.1 | 149.0 |
| 115° | 182.0 | 181.7 | 181.4 | 181.1 | 180.8 | 180.5 | 180.2 | 179.9 | 179.6 | 179.3 | 179.0 |
| 117.5° | 215.0 | 214.5 | 214.0 | 213.5 | 213.0 | 212.5 | 212.0 | 211.5 | 211.0 | 210.5 | 210.0 |
| 120° | 250.0 | 249.5 | 249.0 | 248.5 | 248.0 | 247.5 | 247.0 | 246.5 | 246.0 | 245.5 | 245.0 |
| 122.5° | 283.0 | 282.5 | 282.0 | 281.5 | 281.0 | 280.5 | 280.0 | 279.5 | 279.0 | 278.5 | 278.0 |
| 125° | 315.0 | 314.5 | 314.0 | 313.5 | 313.0 | 312.5 | 312.0 | 311.5 | 311.0 | 310.5 | 310.0 |
| 127.5° | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 |
| 130° | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 | 381.0 |
| 132.5° | 416.0 | 415.8 | 415.6 | 415.4 | 415.2 | 415.0 | 414.8 | 414.6 | 414.4 | 414.2 | 414.0 |
| 135° | 448.0 | 447.9 | 447.8 | 447.7 | 447.6 | 447.5 | 447.4 | 447.3 | 447.2 | 447.1 | 447.0 |
| 137.5° | 475.0 | 475.1 | 475.2 | 475.3 | 475.4 | 475.5 | 475.6 | 475.7 | 475.8 | 475.9 | 476.0 |
| 140° | 502.0 | 502.2 | 502.4 | 502.6 | 502.8 | 503.0 | 503.2 | 503.4 | 503.6 | 503.8 | 504.0 |
| 142.5° | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 | 533.0 |
| 145° | 562.0 | 561.9 | 561.8 | 561.7 | 561.6 | 561.5 | 561.4 | 561.3 | 561.2 | 561.1 | 561.0 |
| 147.5° | 585.0 | 585.1 | 585.2 | 585.3 | 585.4 | 585.5 | 585.6 | 585.7 | 585.8 | 585.9 | 586.0 |
| 150° | 600.0 | 600.3 | 600.6 | 600.9 | 601.2 | 601.5 | 601.8 | 602.1 | 602.4 | 602.7 | 603.0 |
| 152.5° | 614.0 | 614.4 | 614.8 | 615.2 | 615.6 | 616.0 | 616.4 | 616.8 | 617.2 | 617.6 | 618.0 |
| 155° | 631.0 | 631.5 | 632.0 | 632.5 | 633.0 | 633.5 | 634.0 | 634.5 | 635.0 | 635.5 | 636.0 |
| 157.5° | 648.0 | 648.2 | 648.4 | 648.6 | 648.8 | 649.0 | 649.2 | 649.4 | 649.6 | 649.8 | 650.0 |
| 160° | 664.0 | 663.7 | 663.4 | 663.1 | 662.8 | 662.5 | 662.2 | 661.9 | 661.6 | 661.3 | 661.0 |
| 162.5° | 671.0 | 670.9 | 670.8 | 670.7 | 670.6 | 670.5 | 670.4 | 670.3 | 670.2 | 670.1 | 670.0 |
| 165° | 677.0 | 677.3 | 677.6 | 677.9 | 678.2 | 678.5 | 678.8 | 679.1 | 679.4 | 679.7 | 680.0 |
| 167.5° | 684.0 | 684.4 | 684.8 | 685.2 | 685.6 | 686.0 | 686.4 | 686.8 | 687.2 | 687.6 | 688.0 |
| 170° | 689.0 | 689.5 | 690.0 | 690.5 | 691.0 | 691.5 | 692.0 | 692.5 | 693.0 | 693.5 | 694.0 |
| 172.5° | 692.0 | 692.2 | 692.4 | 692.6 | 692.8 | 693.0 | 693.2 | 693.4 | 693.6 | 693.8 | 694.0 |
| 175° | 695.0 | 695.1 | 695.2 | 695.3 | 695.4 | 695.5 | 695.6 | 695.7 | 695.8 | 695.9 | 696.0 |
| 177.5° | 699.0 | 699.2 | 699.4 | 699.6 | 699.8 | 700.0 | 700.2 | 700.4 | 700.6 | 700.8 | 701.0 |
| 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: P226354

CATALOG NUMBER: ISW-AF-1200-LED-E1-T2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 |
| 2.5° | 864.5 | 866.2 | 865.3 | 861.8 | 860.9 | 860.9 | 859.1 | 858.3 | 856.5 | 855.6 | 857.4 |
| 5° | 880.4 | 880.4 | 877.7 | 874.2 | 870.7 | 869.8 | 868.9 | 864.5 | 862.7 | 860.9 | 859.1 |
| 7.5° | 895.5 | 893.7 | 890.1 | 883.9 | 880.4 | 879.5 | 876.0 | 871.5 | 867.1 | 863.6 | 861.8 |
| 10° | 911.4 | 909.6 | 902.5 | 898.1 | 891.0 | 890.1 | 883.9 | 878.6 | 874.2 | 869.8 | 866.2 |
| 12.5° | 934.4 | 932.7 | 924.7 | 914.1 | 908.7 | 905.2 | 897.2 | 891.0 | 884.8 | 879.5 | 873.3 |
| 15° | 969.9 | 962.8 | 957.5 | 946.8 | 938.9 | 931.8 | 922.0 | 913.2 | 904.3 | 895.5 | 890.1 |
| 17.5° | 1019.5 | 1009.7 | 995.5 | 989.3 | 978.7 | 967.2 | 953.9 | 947.7 | 936.2 | 925.6 | 914.9 |
| 20° | 1084.1 | 1074.4 | 1052.2 | 1044.3 | 1029.2 | 1012.4 | 1001.7 | 988.5 | 978.7 | 961.9 | 950.4 |
| 22.5° | 1155.9 | 1147.0 | 1125.7 | 1104.5 | 1090.3 | 1077.0 | 1060.2 | 1043.4 | 1024.8 | 1008.8 | 996.4 |
| 25° | 1248.9 | 1235.6 | 1217.0 | 1195.7 | 1174.5 | 1155.9 | 1132.8 | 1108.9 | 1093.0 | 1070.8 | 1053.1 |
| 27.5° | 1375.5 | 1352.5 | 1321.5 | 1298.5 | 1281.6 | 1253.3 | 1224.9 | 1203.7 | 1178.9 | 1149.7 | 1130.2 |
| 30° | 1512.8 | 1487.1 | 1464.1 | 1437.5 | 1409.2 | 1381.7 | 1342.7 | 1311.7 | 1285.2 | 1254.2 | 1222.3 |
| 32.5° | 1665.1 | 1643.0 | 1610.2 | 1575.7 | 1544.7 | 1510.1 | 1481.8 | 1449.0 | 1403.0 | 1370.2 | 1336.5 |
| 35° | 1818.4 | 1792.7 | 1759.0 | 1729.8 | 1694.4 | 1658.9 | 1627.1 | 1583.7 | 1542.0 | 1495.1 | 1448.1 |
| 37.5° | 1966.3 | 1944.1 | 1906.9 | 1862.7 | 1831.7 | 1793.6 | 1760.8 | 1714.7 | 1665.1 | 1612.9 | 1577.5 |
| 40° | 2131.0 | 2095.6 | 2069.9 | 2018.5 | 1986.7 | 1944.1 | 1897.2 | 1861.8 | 1813.9 | 1757.3 | 1706.8 |
| 42.5° | 2319.7 | 2294.9 | 2267.4 | 2225.8 | 2192.1 | 2141.7 | 2082.3 | 2037.1 | 1992.9 | 1925.5 | 1855.6 |
| 45° | 2558.8 | 2542.9 | 2497.7 | 2464.1 | 2418.9 | 2365.7 | 2314.4 | 2259.5 | 2189.5 | 2111.5 | 2047.8 |
| 47.5° | 2845.8 | 2833.4 | 2792.6 | 2744.8 | 2685.5 | 2613.7 | 2565.9 | 2490.6 | 2431.3 | 2333.9 | 2257.7 |
| 50° | 3106.2 | 3112.4 | 3090.2 | 3016.7 | 2963.6 | 2891.8 | 2816.6 | 2751.0 | 2659.8 | 2558.8 | 2461.4 |
| 52.5° | 3417.1 | 3410.9 | 3355.1 | 3314.3 | 3251.4 | 3164.6 | 3082.3 | 2998.1 | 2898.0 | 2793.5 | 2672.2 |
| 55° | 3714.7 | 3733.3 | 3694.3 | 3636.7 | 3560.6 | 3439.2 | 3356.0 | 3247.0 | 3141.6 | 3026.5 | 2886.5 |
| 57.5° | 4003.4 | 4062.8 | 4032.6 | 3964.4 | 3886.5 | 3798.8 | 3689.0 | 3566.8 | 3457.8 | 3307.2 | 3149.6 |
| 60° | 4363.0 | 4441.8 | 4454.2 | 4410.0 | 4324.9 | 4223.1 | 4078.7 | 3983.0 | 3833.4 | 3694.3 | 3573.0 |
| 62.5° | 4916.6 | 5095.5 | 5084.9 | 5106.1 | 5045.9 | 4983.0 | 4813.8 | 4711.1 | 4516.2 | 4416.2 | 4247.0 |
| 65° | 5841.3 | 5973.2 | 6131.8 | 6126.5 | 6084.8 | 5934.3 | 5758.9 | 5587.1 | 5458.6 | 5261.1 | 5084.9 |
| 67.5° | 6617.2 | 6726.1 | 6820.0 | 6771.3 | 6675.6 | 6506.4 | 6301.0 | 6061.8 | 5866.1 | 5648.2 | 5417.0 |
| 69° | 6689.8 | 6822.6 | 6877.6 | 6817.3 | 6645.5 | 6425.0 | 6223.9 | 6001.6 | 5732.3 | 5545.4 | 5263.8 |
| 70° | 6494.9 | 6626.0 | 6736.7 | 6581.7 | 6424.1 | 6208.8 | 5989.2 | 5758.0 | 5517.1 | 5316.0 | 5031.7 |
| 72.5° | 5159.3 | 5307.2 | 5292.1 | 5275.3 | 5149.5 | 4934.3 | 4732.4 | 4608.4 | 4439.2 | 4196.5 | 3991.0 |
| 75° | 2999.9 | 3068.1 | 2948.5 | 3074.3 | 2923.7 | 2706.7 | 2735.1 | 2595.1 | 2471.1 | 2331.2 | 2223.1 |
| 77.5° | 1178.0 | 1238.2 | 1175.3 | 1155.0 | 1087.7 | 1072.6 | 960.1 | 973.4 | 917.6 | 807.8 | 757.3 |
| 80° | 446.4 | 454.4 | 443.7 | 421.6 | 417.2 | 391.5 | 384.4 | 359.6 | 348.1 | 311.8 | 298.5 |
| 82.5° | 240.0 | 244.5 | 237.4 | 230.3 | 225.0 | 209.9 | 200.2 | 181.6 | 170.9 | 159.4 | 158.5 |
| 85° | 138.2 | 134.6 | 131.1 | 127.5 | 119.6 | 110.7 | 103.6 | 96.5 | 88.6 | 82.4 | 76.2 |
| 87.5° | 72.6 | 73.5 | 74.4 | 70.9 | 65.5 | 58.5 | 54.0 | 51.4 | 45.2 | 42.5 | 39.9 |
| 90° | 32.7 | 26.3 | 28.8 | 33.9 | 31.9 | 27.3 | 26.2 | 23.3 | 20.5 | 20.3 | 17.6 |
| 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° | 8.9 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4 | 8.3 | 8.2 | 8.1 | 8.0 | 8.0 |
| 100° | 22.6 | 22.2 | 21.8 | 21.4 | 21.0 | 20.6 | 20.2 | 19.8 | 19.4 | 19.0 | 19.0 |
| 102.5° | 41.7 | 41.4 | 41.1 | 40.8 | 40.5 | 40.2 | 39.9 | 39.6 | 39.3 | 39.0 | 38.8 |
| 105° | 64.6 | 64.2 | 63.8 | 63.4 | 63.0 | 62.6 | 62.2 | 61.8 | 61.4 | 61.0 | 61.0 |
| 107.5° | 89.7 | 89.4 | 89.1 | 88.8 | 88.5 | 88.2 | 87.9 | 87.6 | 87.3 | 87.0 | 86.8 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 118.7 | 118.4 | 118.1 | 117.8 | 117.5 | 117.2 | 116.9 | 116.6 | 116.3 | 116.0 | 116.2 | 0° |
| 112.5° | 148.8 | 148.6 | 148.4 | 148.2 | 148.0 | 147.8 | 147.6 | 147.4 | 147.2 | 147.0 | 147.0 | 2.5° |
| 115° | 178.8 | 178.6 | 178.4 | 178.2 | 178.0 | 177.8 | 177.6 | 177.4 | 177.2 | 177.0 | 177.2 | 5° |
| 117.5° | 209.8 | 209.6 | 209.4 | 209.2 | 209.0 | 208.8 | 208.6 | 208.4 | 208.2 | 208.0 | 208.2 | 7.5° |
| 120° | 244.8 | 244.6 | 244.4 | 244.2 | 244.0 | 243.8 | 243.6 | 243.4 | 243.2 | 243.0 | 243.0 | 10° |
| 122.5° | 277.8 | 277.6 | 277.4 | 277.2 | 277.0 | 276.8 | 276.6 | 276.4 | 276.2 | 276.0 | 276.2 | 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° | 345.9 | 345.8 | 345.7 | 345.6 | 345.5 | 345.4 | 345.3 | 345.2 | 345.1 | 345.0 | 345.4 | 17.5° |
| 130° | 380.8 | 380.6 | 380.4 | 380.2 | 380.0 | 379.8 | 379.6 | 379.4 | 379.2 | 379.0 | 379.2 | 20° |
| 132.5° | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.0 | 414.2 | 22.5° |
| 135° | 447.3 | 447.6 | 447.9 | 448.2 | 448.5 | 448.8 | 449.1 | 449.4 | 449.7 | 450.0 | 450.2 | 25° |
| 137.5° | 476.5 | 477.0 | 477.5 | 478.0 | 478.5 | 479.0 | 479.5 | 480.0 | 480.5 | 481.0 | 481.2 | 27.5° |
| 140° | 504.5 | 505.0 | 505.5 | 506.0 | 506.5 | 507.0 | 507.5 | 508.0 | 508.5 | 509.0 | 509.4 | 30° |
| 142.5° | 533.1 | 533.2 | 533.3 | 533.4 | 533.5 | 533.6 | 533.7 | 533.8 | 533.9 | 534.0 | 534.4 | 32.5° |
| 145° | 560.7 | 560.4 | 560.1 | 559.8 | 559.5 | 559.2 | 558.9 | 558.6 | 558.3 | 558.0 | 558.4 | 35° |
| 147.5° | 585.7 | 585.4 | 585.1 | 584.8 | 584.5 | 584.2 | 583.9 | 583.6 | 583.3 | 583.0 | 583.4 | 37.5° |
| 150° | 603.3 | 603.6 | 603.9 | 604.2 | 604.5 | 604.8 | 605.1 | 605.4 | 605.7 | 606.0 | 606.8 | 40° |
| 152.5° | 618.5 | 619.0 | 619.5 | 620.0 | 620.5 | 621.0 | 621.5 | 622.0 | 622.5 | 623.0 | 624.0 | 42.5° |
| 155° | 636.2 | 636.4 | 636.6 | 636.8 | 637.0 | 637.2 | 637.4 | 637.6 | 637.8 | 638.0 | 638.6 | 45° |
| 157.5° | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 650.0 | 651.0 | 47.5° |
| 160° | 660.9 | 660.8 | 660.7 | 660.6 | 660.5 | 660.4 | 660.3 | 660.2 | 660.1 | 660.0 | 661.2 | 50° |
| 162.5° | 669.8 | 669.6 | 669.4 | 669.2 | 669.0 | 668.8 | 668.6 | 668.4 | 668.2 | 668.0 | 669.2 | 52.5° |
| 165° | 679.8 | 679.6 | 679.4 | 679.2 | 679.0 | 678.8 | 678.6 | 678.4 | 678.2 | 678.0 | 678.8 | 55° |
| 167.5° | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 688.0 | 689.2 | 57.5° |
| 170° | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 695.4 | 695.6 | 695.8 | 696.0 | 697.0 | 60° |
| 172.5° | 694.2 | 694.4 | 694.6 | 694.8 | 695.0 | 695.2 | 695.4 | 695.6 | 695.8 | 696.0 | 697.0 | 62.5° |
| 175° | 695.8 | 695.6 | 695.4 | 695.2 | 695.0 | 694.8 | 694.6 | 694.4 | 694.2 | 694.0 | 695.0 | 65° |
| 177.5° | 700.7 | 700.4 | 700.1 | 699.8 | 699.5 | 699.2 | 698.9 | 698.6 | 698.3 | 698.0 | 698.8 | 67.5° |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 69° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
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| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P226354
 NUMBER: ISW-AF-1200-LED-E1-T2-7030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 110° | 87° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
| 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 848.5 | 110° | 116.4 |
| 854.7 | 854.7 | 852.1 | 850.3 | 844.1 | 833.5 | 822.8 | 813.1 | 799.8 | 794.5 | 787.4 | 112.5° | 147.0 |
| 857.4 | 855.6 | 852.9 | 849.4 | 837.0 | 812.2 | 786.5 | 759.1 | 730.7 | 705.0 | 674.9 | 115° | 177.4 |
| 859.1 | 855.6 | 852.1 | 847.6 | 829.9 | 791.8 | 740.5 | 686.4 | 635.9 | 597.9 | 581.9 | 117.5° | 208.4 |
| 860.0 | 857.4 | 852.9 | 846.7 | 821.9 | 765.3 | 682.9 | 604.9 | 560.7 | 545.6 | 542.9 | 120° | 243.0 |
| 869.8 | 865.3 | 858.3 | 851.2 | 818.4 | 736.0 | 618.2 | 543.8 | 526.1 | 533.2 | 545.6 | 122.5° | 276.4 |
| 882.2 | 876.9 | 868.0 | 860.9 | 816.6 | 697.9 | 555.3 | 509.3 | 515.5 | 535.0 | 555.3 | 125° | 310.0 |
| 904.3 | 895.5 | 885.7 | 878.6 | 820.2 | 651.0 | 504.9 | 491.6 | 510.2 | 535.0 | 562.4 | 127.5° | 345.8 |
| 937.1 | 924.7 | 913.2 | 900.8 | 825.5 | 592.5 | 474.7 | 480.1 | 502.2 | 528.8 | 558.9 | 130° | 379.4 |
| 977.8 | 963.7 | 947.7 | 929.1 | 831.7 | 542.1 | 457.9 | 467.7 | 488.0 | 511.1 | 535.9 | 132.5° | 414.4 |
| 1032.7 | 1013.3 | 992.9 | 969.9 | 840.5 | 487.1 | 442.9 | 453.5 | 465.9 | 479.2 | 491.6 | 135° | 450.4 |
| 1101.8 | 1075.3 | 1053.1 | 1022.1 | 849.4 | 449.9 | 430.5 | 434.0 | 436.7 | 438.4 | 437.5 | 137.5° | 481.4 |
| 1193.9 | 1153.2 | 1127.5 | 1089.4 | 859.1 | 430.5 | 416.3 | 411.9 | 407.4 | 401.2 | 394.1 | 140° | 509.8 |
| 1291.4 | 1257.7 | 1217.0 | 1168.3 | 865.3 | 417.2 | 403.0 | 388.8 | 376.4 | 370.2 | 370.2 | 142.5° | 534.8 |
| 1404.7 | 1363.1 | 1311.7 | 1250.6 | 857.4 | 403.0 | 385.3 | 366.7 | 359.6 | 367.6 | 364.9 | 145° | 558.8 |
| 1518.1 | 1460.5 | 1403.9 | 1333.9 | 837.9 | 387.1 | 365.8 | 356.1 | 361.4 | 350.7 | 344.5 | 147.5° | 583.8 |
| 1643.0 | 1579.2 | 1500.4 | 1418.9 | 809.5 | 370.2 | 356.1 | 361.4 | 342.8 | 330.4 | 335.7 | 150° | 607.6 |
| 1782.9 | 1707.7 | 1622.6 | 1511.9 | 790.9 | 359.6 | 341.0 | 345.4 | 329.5 | 320.6 | 318.0 | 152.5° | 625.0 |
| 1973.4 | 1866.2 | 1762.6 | 1632.4 | 805.1 | 342.8 | 311.8 | 329.5 | 320.6 | 312.7 | 305.6 | 155° | 639.2 |
| 2160.3 | 2046.0 | 1923.8 | 1770.5 | 829.9 | 330.4 | 288.7 | 312.7 | 318.9 | 305.6 | 292.3 | 157.5° | 652.0 |
| 2348.0 | 2226.7 | 2084.1 | 1913.1 | 860.0 | 322.4 | 271.0 | 292.3 | 314.4 | 298.5 | 287.9 | 160° | 662.4 |
| 2545.5 | 2392.3 | 2246.2 | 2061.9 | 899.0 | 314.4 | 256.9 | 274.6 | 306.5 | 298.5 | 282.5 | 162.5° | 670.4 |
| 2752.8 | 2572.1 | 2426.0 | 2226.7 | 967.2 | 302.9 | 239.1 | 260.4 | 298.5 | 297.6 | 277.2 | 165° | 679.6 |
| 2993.7 | 2832.5 | 2644.7 | 2441.9 | 1062.0 | 289.6 | 223.2 | 249.8 | 291.4 | 294.1 | 271.0 | 167.5° | 690.4 |
| 3403.8 | 3237.3 | 3010.5 | 2817.4 | 1249.7 | 271.9 | 213.5 | 239.1 | 279.9 | 287.0 | 265.7 | 170° | 698.0 |
| 4069.0 | 3842.2 | 3634.1 | 3453.4 | 1571.3 | 247.1 | 206.4 | 227.6 | 267.5 | 278.1 | 261.3 | 172.5° | 698.0 |
| 4831.6 | 4610.1 | 4358.6 | 4054.8 | 1750.2 | 224.1 | 196.6 | 213.5 | 255.1 | 269.3 | 256.9 | 175° | 696.0 |
| 5155.7 | 4866.1 | 4560.5 | 4200.0 | 1579.2 | 205.5 | 186.0 | 200.2 | 240.9 | 256.9 | 250.7 | 177.5° | 699.6 |
| 5006.9 | 4713.8 | 4358.6 | 4005.2 | 1373.7 | 195.7 | 179.8 | 193.1 | 230.3 | 248.9 | 244.5 | 180° | 700.0 |
| 4748.3 | 4453.4 | 4136.3 | 3712.0 | 1226.7 | 190.4 | 175.4 | 188.7 | 225.9 | 244.5 | 240.9 | | |
| 3755.4 | 3492.4 | 3200.1 | 2876.8 | 836.1 | 172.7 | 161.2 | 175.4 | 208.1 | 228.5 | 227.6 | | |
| 1990.2 | 1913.1 | 1697.0 | 1507.5 | 433.1 | 154.1 | 146.1 | 160.3 | 192.2 | 213.5 | 213.5 | | |
| 716.5 | 650.1 | 621.8 | 516.4 | 230.3 | 134.6 | 131.1 | 141.7 | 174.5 | 194.9 | 194.0 | | |
| 271.0 | 263.9 | 236.5 | 221.4 | 146.1 | 109.8 | 110.7 | 121.3 | 153.2 | 172.7 | 171.8 | | |
| 153.2 | 139.1 | 134.6 | 130.2 | 93.0 | 86.8 | 91.2 | 101.9 | 131.1 | 147.9 | 150.6 | | |
| 73.5 | 68.2 | 66.4 | 62.0 | 61.1 | 66.4 | 71.7 | 80.6 | 104.5 | 124.9 | 122.2 | | |
| 35.4 | 33.7 | 32.8 | 31.9 | 43.4 | 42.5 | 52.3 | 55.8 | 70.0 | 99.2 | 89.5 | | |
| 18.5 | 18.5 | 17.6 | 15.9 | 19.4 | 23.2 | 25.8 | 30.9 | 36.2 | 65.6 | 54.9 | | |
| 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | | |
| 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 7.0 | 7.0 | 7.0 | 7.0 | | |
| 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 10.0 | 12.0 | 9.0 | 9.0 | 8.0 | | |
| 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 23.0 | 26.0 | 29.0 | 21.0 | 12.0 | 10.0 | | |
| 38.6 | 38.4 | 38.2 | 38.0 | 39.0 | 42.0 | 47.0 | 50.0 | 40.0 | 27.0 | 18.0 | | |
| 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 65.0 | 70.0 | 72.0 | 63.0 | 48.0 | 36.0 | | |
| 86.6 | 86.4 | 86.2 | 86.0 | 87.0 | 90.0 | 94.0 | 95.0 | 88.0 | 73.0 | 58.0 | | |

'226354
 ISW-AF-1200-LED-E1-T2-7030-ULG

REPORT NUMBER: P226354
 CATALOG NUMBER: ISW-AF-1:

TION (continued):

CANDELA DISTRIBUTION (con

| 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | | 165° | 175° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 116.6 | 116.8 | 117.0 | 116.0 | 119.0 | 121.0 | 120.0 | 114.0 | 102.0 | 87.0 | 0° | 848.5 | 848.5 |
| 147.0 | 147.0 | 147.0 | 147.0 | 149.0 | 150.0 | 148.0 | 143.0 | 134.0 | 121.0 | 2.5° | 781.2 | 768.8 |
| 177.6 | 177.8 | 178.0 | 177.0 | 179.0 | 182.0 | 179.0 | 174.0 | 168.0 | 159.0 | 5° | 652.8 | 651.0 |
| 208.6 | 208.8 | 209.0 | 208.0 | 210.0 | 215.0 | 211.0 | 205.0 | 202.0 | 197.0 | 7.5° | 572.2 | 560.7 |
| 243.0 | 243.0 | 243.0 | 243.0 | 245.0 | 250.0 | 246.0 | 243.0 | 237.0 | 233.0 | 10° | 545.6 | 544.7 |
| 276.6 | 276.8 | 277.0 | 276.0 | 278.0 | 283.0 | 279.0 | 277.0 | 271.0 | 267.0 | 12.5° | 557.1 | 559.8 |
| 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 315.0 | 313.0 | 310.0 | 305.0 | 299.0 | 15° | 572.2 | 577.5 |
| 346.2 | 346.6 | 347.0 | 345.0 | 346.0 | 346.0 | 345.0 | 340.0 | 339.0 | 333.0 | 17.5° | 581.9 | 591.7 |
| 379.6 | 379.8 | 380.0 | 379.0 | 381.0 | 381.0 | 377.0 | 372.0 | 370.0 | 366.0 | 20° | 579.3 | 590.8 |
| 414.6 | 414.8 | 415.0 | 414.0 | 414.0 | 416.0 | 411.0 | 405.0 | 404.0 | 401.0 | 22.5° | 550.0 | 555.3 |
| 450.6 | 450.8 | 451.0 | 450.0 | 447.0 | 448.0 | 443.0 | 437.0 | 435.0 | 432.0 | 25° | 497.8 | 499.5 |
| 481.6 | 481.8 | 482.0 | 481.0 | 476.0 | 475.0 | 473.0 | 468.0 | 464.0 | 460.0 | 27.5° | 434.9 | 433.1 |
| 510.2 | 510.6 | 511.0 | 509.0 | 504.0 | 502.0 | 500.0 | 497.0 | 491.0 | 489.0 | 30° | 390.6 | 379.1 |
| 535.2 | 535.6 | 536.0 | 534.0 | 533.0 | 533.0 | 527.0 | 525.0 | 521.0 | 518.0 | 32.5° | 370.2 | 363.1 |
| 559.2 | 559.6 | 560.0 | 558.0 | 561.0 | 562.0 | 556.0 | 551.0 | 550.0 | 547.0 | 35° | 356.1 | 344.5 |
| 584.2 | 584.6 | 585.0 | 583.0 | 586.0 | 585.0 | 580.0 | 575.0 | 574.0 | 574.0 | 37.5° | 369.3 | 368.5 |
| 608.4 | 609.2 | 610.0 | 606.0 | 603.0 | 600.0 | 597.0 | 593.0 | 593.0 | 593.0 | 40° | 381.7 | 380.0 |
| 626.0 | 627.0 | 628.0 | 623.0 | 618.0 | 614.0 | 611.0 | 610.0 | 610.0 | 609.0 | 42.5° | 360.5 | 344.5 |
| 639.8 | 640.4 | 641.0 | 638.0 | 636.0 | 631.0 | 626.0 | 628.0 | 630.0 | 627.0 | 45° | 321.5 | 302.9 |
| 653.0 | 654.0 | 655.0 | 650.0 | 650.0 | 648.0 | 644.0 | 645.0 | 646.0 | 644.0 | 47.5° | 294.9 | 284.3 |
| 663.6 | 664.8 | 666.0 | 660.0 | 661.0 | 664.0 | 658.0 | 655.0 | 655.0 | 656.0 | 50° | 282.5 | 279.0 |
| 671.6 | 672.8 | 674.0 | 668.0 | 670.0 | 671.0 | 667.0 | 663.0 | 661.0 | 665.0 | 52.5° | 279.0 | 287.9 |
| 680.4 | 681.2 | 682.0 | 678.0 | 680.0 | 677.0 | 672.0 | 673.0 | 673.0 | 676.0 | 55° | 277.2 | 287.0 |
| 691.6 | 692.8 | 694.0 | 688.0 | 688.0 | 684.0 | 678.0 | 685.0 | 688.0 | 686.0 | 57.5° | 264.8 | 281.7 |
| 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 689.0 | 686.0 | 691.0 | 693.0 | 692.0 | 60° | 256.0 | 276.3 |
| 699.0 | 700.0 | 701.0 | 696.0 | 694.0 | 692.0 | 689.0 | 690.0 | 690.0 | 693.0 | 62.5° | 250.7 | 273.7 |
| 697.0 | 698.0 | 699.0 | 694.0 | 696.0 | 695.0 | 690.0 | 690.0 | 691.0 | 695.0 | 65° | 246.2 | 275.5 |
| 700.4 | 701.2 | 702.0 | 698.0 | 701.0 | 699.0 | 694.0 | 695.0 | 697.0 | 699.0 | 67.5° | 239.1 | 280.8 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 69° | 235.6 | 279.9 |
| | | | | | | | | | | 70° | 232.1 | 277.2 |
| | | | | | | | | | | 72.5° | 219.7 | 256.0 |
| | | | | | | | | | | 75° | 204.6 | 225.9 |
| | | | | | | | | | | 77.5° | 185.1 | 194.0 |
| | | | | | | | | | | 80° | 163.9 | 169.2 |
| | | | | | | | | | | 82.5° | 142.6 | 163.0 |
| | | | | | | | | | | 85° | 111.6 | 138.2 |
| | | | | | | | | | | 87.5° | 82.4 | 76.2 |
| | | | | | | | | | | 90° | 53.9 | 39.5 |
| | | | | | | | | | | 92.5° | 5.0 | 4.0 |
| | | | | | | | | | | 95° | 6.0 | 5.0 |
| | | | | | | | | | | 97.5° | 8.0 | 7.0 |
| | | | | | | | | | | 100° | 9.0 | 8.0 |
| | | | | | | | | | | 102.5° | 13.0 | 11.0 |
| | | | | | | | | | | 105° | 27.0 | 22.0 |
| | | | | | | | | | | 107.5° | 49.0 | 42.0 |



REPORT NUMBER: P226354

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

200-LED-E1-T2-7030-ULG

tinued):

| |
|--------------|
| 180° |
| 848.5 |
| 771.5 |
| 645.7 |
| 561.5 |
| 547.4 |
| 558.0 |
| 579.3 |
| 595.2 |
| 593.4 |
| 559.8 |
| 501.3 |
| 440.2 |
| 387.9 |
| 371.1 |
| 349.9 |
| 372.9 |
| 383.5 |
| 348.1 |
| 302.9 |
| 282.5 |
| 277.2 |
| 290.5 |
| 286.1 |
| 282.5 |
| 277.2 |
| 272.8 |
| 271.9 |
| 273.7 |
| 270.1 |
| 265.7 |
| 239.1 |
| 215.2 |
| 194.0 |
| 170.9 |
| 144.4 |
| 108.1 |
| 82.4 |
| 34.2 |
| 4.0 |
| 5.0 |
| 7.0 |
| 8.0 |
| 11.0 |
| 21.0 |
| 41.0 |

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|--------|-------|-------|-------|
| 110° | 74.0 | 68.0 | 66.0 |
| 112.5° | 106.0 | 99.0 | 99.0 |
| 115° | 147.0 | 139.0 | 140.0 |
| 117.5° | 189.0 | 184.0 | 184.0 |
| 120° | 226.0 | 223.0 | 225.0 |
| 122.5° | 261.0 | 260.0 | 263.0 |
| 125° | 296.0 | 294.0 | 298.0 |
| 127.5° | 329.0 | 329.0 | 330.0 |
| 130° | 362.0 | 361.0 | 363.0 |
| 132.5° | 393.0 | 394.0 | 396.0 |
| 135° | 426.0 | 426.0 | 429.0 |
| 137.5° | 459.0 | 457.0 | 460.0 |
| 140° | 487.0 | 485.0 | 488.0 |
| 142.5° | 517.0 | 515.0 | 518.0 |
| 145° | 544.0 | 546.0 | 550.0 |
| 147.5° | 571.0 | 572.0 | 575.0 |
| 150° | 593.0 | 592.0 | 595.0 |
| 152.5° | 608.0 | 608.0 | 611.0 |
| 155° | 625.0 | 625.0 | 629.0 |
| 157.5° | 643.0 | 643.0 | 646.0 |
| 160° | 659.0 | 660.0 | 663.0 |
| 162.5° | 669.0 | 669.0 | 673.0 |
| 165° | 676.0 | 678.0 | 681.0 |
| 167.5° | 684.0 | 687.0 | 690.0 |
| 170° | 692.0 | 695.0 | 698.0 |
| 172.5° | 695.0 | 697.0 | 699.0 |
| 175° | 697.0 | 698.0 | 700.0 |
| 177.5° | 700.0 | 705.0 | 707.0 |
| 180° | 700.0 | 700.0 | 700.0 |

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

