

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: P227440

Luminaire Tested: **ISW-AF-600-LED-E1-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-600-LED-E1-RW
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4130 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B2 - U1 - G2

Input Watts (W): 33.7
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

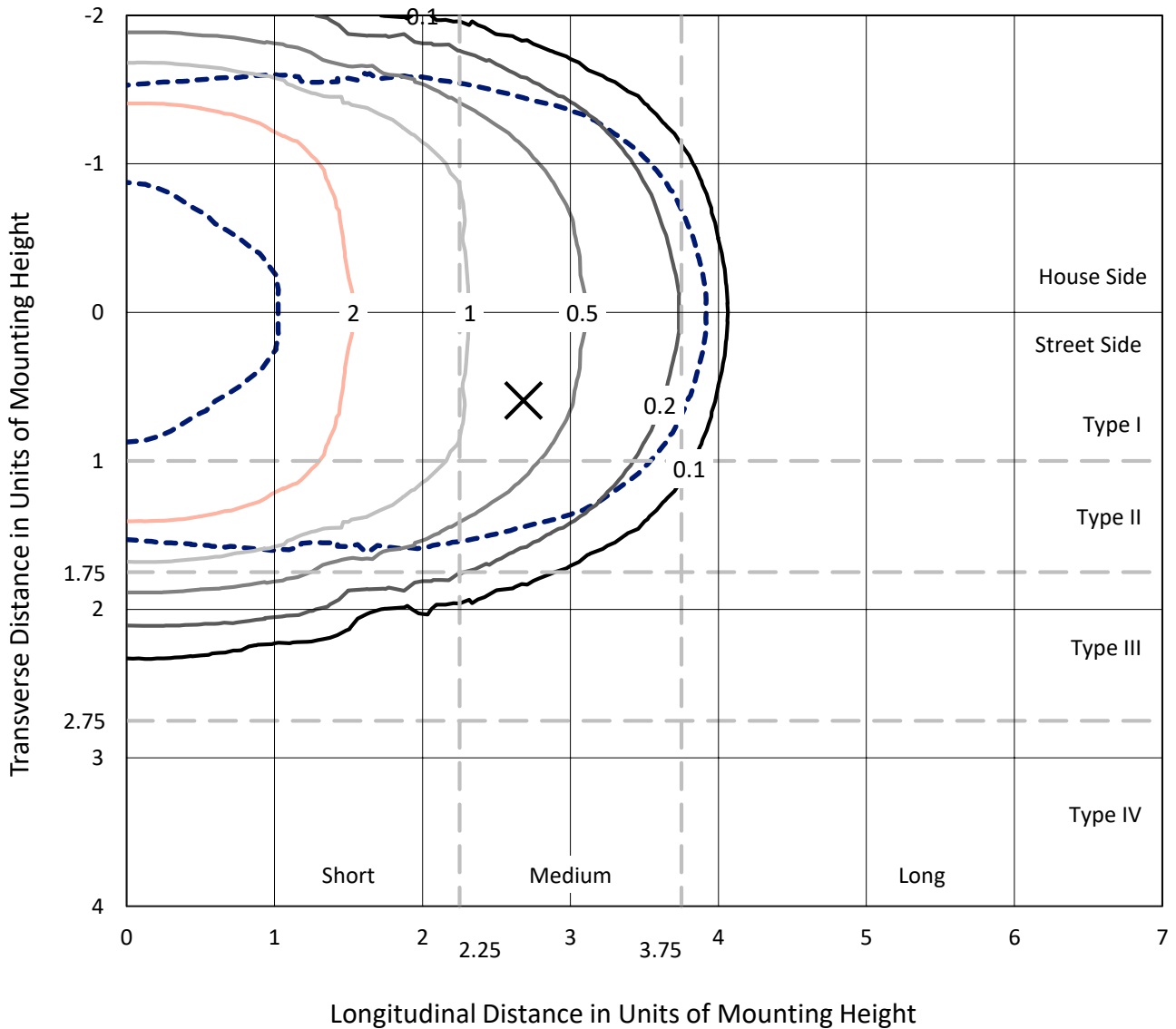


REPORT NUMBER: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

Iso-Footcandle Lines of Horizontal Illumination

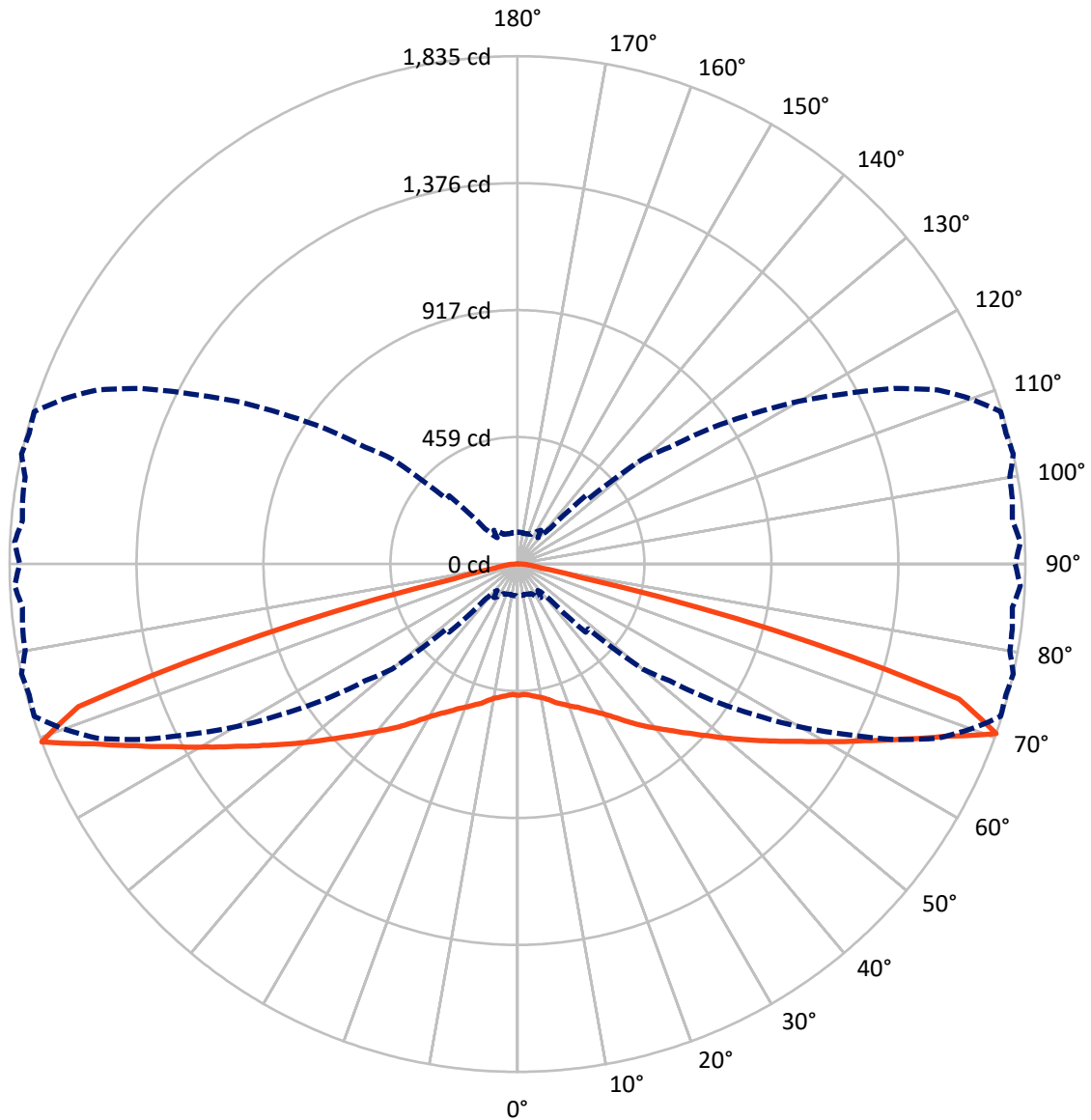
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - Cutoff

REPORT NUMBER: P227440
CATALOG NUMBER: ISW-AF-600-LED-E1-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2064.7 | 0.3 | 2065.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2064.7 | 0.3 | 2065.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 4129.4 | 0.7 | 4130.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.8 | 1.1 |
| 10°-20° | 143.4 | 3.5 |
| 20°-30° | 269.2 | 6.5 |
| 30°-40° | 470.4 | 11.4 |
| 40°-50° | 766.8 | 18.6 |
| 50°-60° | 1049.3 | 25.4 |
| 60°-70° | 965.2 | 23.4 |
| 70°-80° | 377.3 | 9.1 |
| 80°-90° | 42.0 | 1.0 |
| 90°-100° | 0.7 | 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° | 4129.4 | 100.0 |
| 0°-180° | 4130.0 | 100.0 |



REPORT NUMBER: P227440

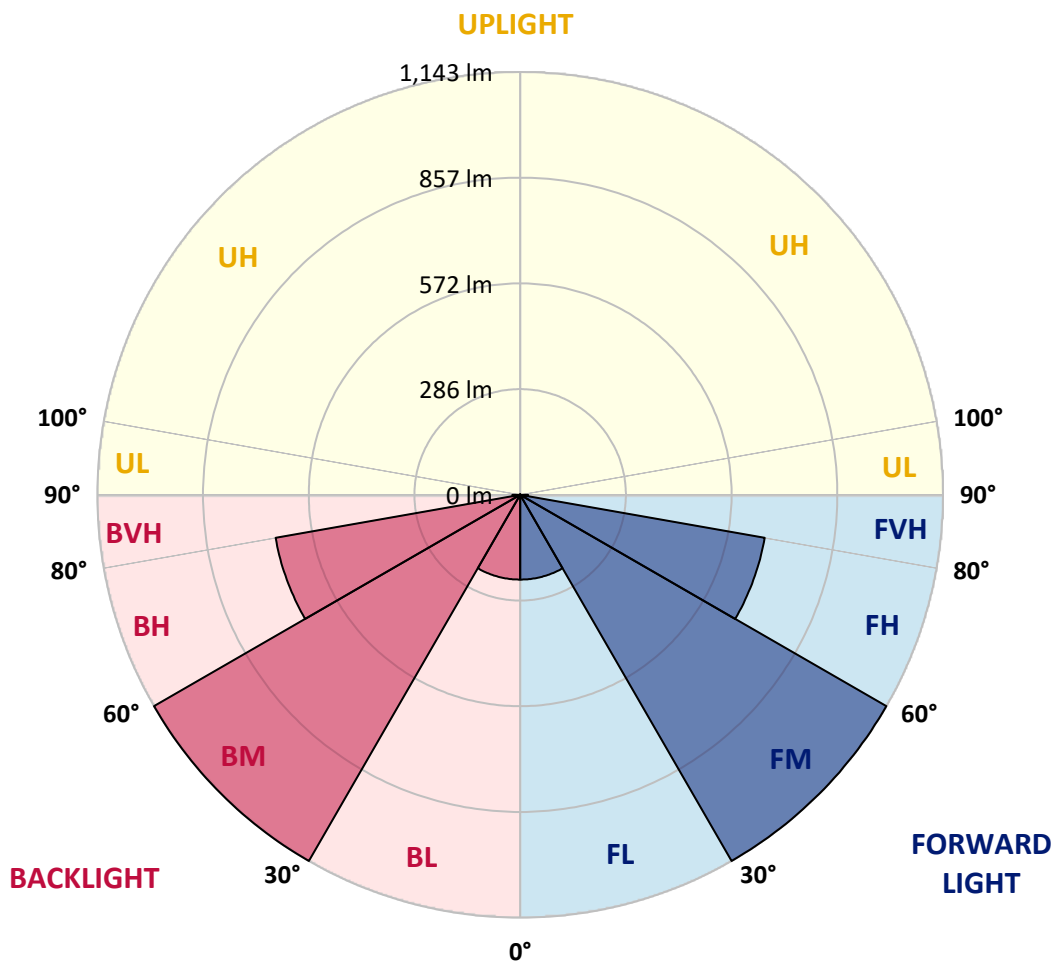
CATALOG NUMBER: ISW-AF-600-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 229.2 | 5.5 | | | |
| FM | (30°-60°) | 1143.2 | 27.7 | | | |
| FH | (60°-80°) | 671.3 | 16.3 | | | G1/1800 |
| FVH | (80°-90°) | 21.0 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 229.2 | 5.5 | B1/500 | | |
| BM | (30°-60°) | 1143.2 | 27.7 | B2/2500 | | |
| BH | (60°-80°) | 671.3 | 16.3 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 21.0 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.7 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 0.3 | 0.0 | | U1/10 | |

BUG Rating: B2-U1-G2

Type II Medium





REPORT NUMBER: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 |
| 2.5° | 472.6 | 472.0 | 472.0 | 472.6 | 473.8 | 474.4 | 473.2 | 473.8 | 473.8 | 473.2 | 475.1 |
| 5° | 473.8 | 473.2 | 473.8 | 475.1 | 476.9 | 478.7 | 478.1 | 478.1 | 478.7 | 477.5 | 480.5 |
| 7.5° | 472.6 | 472.0 | 473.2 | 476.3 | 480.5 | 482.9 | 482.9 | 482.9 | 484.2 | 483.5 | 487.2 |
| 10° | 467.2 | 466.6 | 469.5 | 475.1 | 482.9 | 484.8 | 486.6 | 487.2 | 490.8 | 490.8 | 494.5 |
| 12.5° | 462.3 | 462.9 | 467.2 | 475.7 | 488.5 | 489.0 | 491.4 | 493.9 | 498.7 | 496.3 | 503.0 |
| 15° | 464.1 | 465.3 | 470.8 | 481.1 | 498.2 | 497.6 | 499.3 | 501.8 | 509.6 | 504.2 | 515.2 |
| 17.5° | 473.2 | 475.1 | 481.1 | 493.3 | 510.9 | 507.9 | 510.2 | 513.9 | 524.3 | 517.6 | 530.3 |
| 20° | 487.8 | 490.2 | 496.9 | 510.2 | 526.7 | 523.6 | 526.1 | 530.3 | 542.5 | 535.8 | 548.5 |
| 22.5° | 507.3 | 509.6 | 517.0 | 532.1 | 549.7 | 546.2 | 548.5 | 552.2 | 565.6 | 555.3 | 571.0 |
| 25° | 533.4 | 535.8 | 543.7 | 559.5 | 579.5 | 575.3 | 576.5 | 578.9 | 592.9 | 580.7 | 596.0 |
| 27.5° | 569.8 | 572.2 | 578.9 | 594.1 | 613.6 | 609.9 | 611.1 | 613.6 | 628.1 | 616.0 | 629.3 |
| 30° | 616.0 | 618.4 | 624.5 | 639.7 | 656.1 | 651.8 | 653.7 | 655.5 | 668.8 | 656.6 | 667.6 |
| 32.5° | 670.6 | 670.0 | 679.1 | 695.0 | 709.5 | 701.6 | 701.6 | 701.6 | 714.4 | 702.3 | 710.7 |
| 35° | 735.1 | 735.1 | 744.2 | 759.3 | 772.7 | 763.6 | 759.3 | 756.9 | 770.9 | 755.7 | 761.8 |
| 37.5° | 805.5 | 802.5 | 816.4 | 830.4 | 843.2 | 831.7 | 828.0 | 824.9 | 835.2 | 818.3 | 821.3 |
| 40° | 880.2 | 877.8 | 893.0 | 908.8 | 917.3 | 902.1 | 899.1 | 895.4 | 906.3 | 890.0 | 889.4 |
| 42.5° | 948.3 | 946.4 | 965.9 | 984.1 | 994.4 | 975.0 | 970.8 | 967.1 | 979.3 | 962.8 | 959.2 |
| 45° | 1006.0 | 1005.4 | 1027.9 | 1052.7 | 1070.9 | 1050.4 | 1047.3 | 1041.3 | 1053.3 | 1033.3 | 1031.4 |
| 47.5° | 1051.0 | 1048.5 | 1075.8 | 1112.3 | 1141.4 | 1120.2 | 1119.6 | 1115.3 | 1128.1 | 1106.2 | 1103.8 |
| 50° | 1081.3 | 1083.1 | 1112.9 | 1155.4 | 1202.8 | 1182.7 | 1184.6 | 1182.7 | 1201.6 | 1179.7 | 1182.7 |
| 52.5° | 1086.8 | 1090.5 | 1128.7 | 1184.6 | 1250.8 | 1226.5 | 1240.4 | 1246.0 | 1269.6 | 1250.8 | 1256.9 |
| 55° | 1021.7 | 1032.1 | 1090.5 | 1187.6 | 1280.5 | 1265.4 | 1283.0 | 1298.7 | 1332.2 | 1316.4 | 1327.4 |
| 57.5° | 876.6 | 897.8 | 965.3 | 1106.2 | 1276.9 | 1285.4 | 1321.2 | 1345.6 | 1386.3 | 1372.3 | 1397.8 |
| 60° | 677.3 | 691.9 | 766.6 | 931.3 | 1160.2 | 1171.8 | 1236.8 | 1314.0 | 1407.5 | 1426.9 | 1467.0 |
| 62.5° | 443.4 | 451.9 | 524.9 | 691.9 | 959.2 | 962.8 | 1043.6 | 1143.9 | 1306.1 | 1348.6 | 1461.0 |
| 65° | 219.9 | 231.5 | 270.4 | 398.5 | 671.9 | 667.0 | 755.7 | 873.0 | 1083.1 | 1130.0 | 1312.8 |
| 67.5° | 137.3 | 139.1 | 147.0 | 184.6 | 336.6 | 298.9 | 371.7 | 494.5 | 749.0 | 790.9 | 1023.0 |
| 70° | 115.4 | 114.8 | 113.0 | 118.5 | 148.2 | 120.3 | 133.1 | 173.7 | 348.7 | 346.9 | 589.8 |
| 72.5° | 106.3 | 104.4 | 99.6 | 99.0 | 103.3 | 94.7 | 96.0 | 98.4 | 139.7 | 117.2 | 227.2 |
| 75° | 97.8 | 94.1 | 88.1 | 86.2 | 86.2 | 79.6 | 79.6 | 80.2 | 90.5 | 85.0 | 103.3 |
| 77.5° | 87.5 | 83.3 | 77.1 | 74.7 | 72.3 | 65.0 | 64.3 | 65.0 | 72.9 | 68.0 | 77.1 |
| 80° | 75.3 | 71.1 | 66.8 | 63.2 | 59.5 | 52.9 | 51.0 | 51.0 | 57.7 | 52.9 | 60.1 |
| 82.5° | 65.6 | 60.1 | 58.9 | 52.9 | 47.4 | 41.3 | 39.5 | 36.4 | 42.6 | 37.0 | 44.9 |
| 85° | 48.6 | 44.4 | 55.9 | 46.7 | 37.6 | 33.5 | 26.7 | 22.5 | 26.7 | 21.9 | 28.5 |
| 87.5° | 27.9 | 26.1 | 49.2 | 37.0 | 33.5 | 35.8 | 21.9 | 15.8 | 15.1 | 13.4 | 15.8 |
| 90° | 5.4 | 6.0 | 7.9 | 5.4 | 7.3 | 3.7 | 1.8 | 1.8 | 3.7 | 2.5 | 4.3 |
| 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 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-----|-----|-----|-----|-----|-------|-----|-------|-----|-------|-----|
| 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: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 |
| 2.5° | 473.2 | 475.1 | 472.6 | 475.1 | 470.8 | 474.4 | 471.4 | 475.1 | 472.0 | 475.1 | 471.4 |
| 5° | 476.3 | 481.1 | 475.7 | 482.3 | 474.4 | 482.3 | 475.7 | 482.9 | 476.9 | 482.9 | 476.3 |
| 7.5° | 481.1 | 489.6 | 482.3 | 490.8 | 481.1 | 492.0 | 482.9 | 493.3 | 484.2 | 493.9 | 483.5 |
| 10° | 487.2 | 498.2 | 488.5 | 499.3 | 487.8 | 500.5 | 489.0 | 502.4 | 490.2 | 503.6 | 490.8 |
| 12.5° | 492.7 | 506.7 | 495.7 | 510.2 | 497.6 | 512.7 | 499.3 | 516.4 | 501.8 | 519.4 | 503.0 |
| 15° | 503.0 | 521.2 | 507.3 | 524.9 | 510.2 | 527.9 | 513.3 | 532.8 | 516.4 | 536.4 | 519.4 |
| 17.5° | 516.4 | 536.4 | 521.8 | 539.4 | 523.6 | 543.1 | 527.3 | 546.8 | 530.3 | 551.0 | 532.1 |
| 20° | 534.6 | 554.6 | 539.4 | 556.5 | 541.2 | 558.8 | 543.1 | 560.7 | 546.8 | 564.4 | 547.9 |
| 22.5° | 555.3 | 574.1 | 557.7 | 574.7 | 557.7 | 574.1 | 558.8 | 574.7 | 560.7 | 577.1 | 562.5 |
| 25° | 580.1 | 597.7 | 581.3 | 596.0 | 578.9 | 593.5 | 578.9 | 593.5 | 580.7 | 594.7 | 583.8 |
| 27.5° | 614.8 | 628.1 | 611.1 | 623.9 | 605.7 | 618.4 | 603.2 | 616.0 | 603.8 | 616.0 | 605.1 |
| 30° | 653.7 | 665.8 | 646.4 | 656.6 | 636.6 | 646.4 | 629.9 | 640.9 | 628.1 | 639.7 | 631.2 |
| 32.5° | 696.1 | 705.8 | 686.4 | 695.0 | 674.3 | 682.8 | 665.2 | 672.5 | 661.5 | 668.8 | 663.4 |
| 35° | 743.6 | 753.3 | 733.3 | 741.1 | 720.5 | 727.7 | 710.1 | 713.8 | 702.9 | 707.7 | 702.9 |
| 37.5° | 800.0 | 808.5 | 785.4 | 792.8 | 770.3 | 779.4 | 758.1 | 761.8 | 748.4 | 751.5 | 741.7 |
| 40° | 860.8 | 869.9 | 842.6 | 849.9 | 821.9 | 832.3 | 808.5 | 811.0 | 792.8 | 795.8 | 780.6 |
| 42.5° | 926.4 | 934.9 | 900.9 | 906.9 | 874.1 | 885.1 | 857.1 | 862.0 | 840.1 | 843.2 | 823.8 |
| 45° | 998.7 | 1003.5 | 965.9 | 970.2 | 930.7 | 941.6 | 906.3 | 915.4 | 889.4 | 895.4 | 873.0 |
| 47.5° | 1066.1 | 1075.8 | 1034.5 | 1038.2 | 995.6 | 1002.3 | 961.7 | 973.7 | 945.8 | 954.9 | 927.6 |
| 50° | 1143.2 | 1150.5 | 1111.0 | 1111.6 | 1070.4 | 1072.8 | 1027.2 | 1039.4 | 1009.0 | 1018.8 | 989.6 |
| 52.5° | 1222.2 | 1227.1 | 1184.6 | 1188.9 | 1148.2 | 1152.4 | 1106.8 | 1111.6 | 1076.5 | 1084.9 | 1056.4 |
| 55° | 1298.7 | 1300.0 | 1264.8 | 1263.5 | 1225.3 | 1233.2 | 1182.7 | 1193.7 | 1151.7 | 1160.8 | 1128.7 |
| 57.5° | 1375.4 | 1379.6 | 1346.8 | 1347.9 | 1309.7 | 1315.2 | 1269.6 | 1277.6 | 1238.1 | 1248.9 | 1208.9 |
| 60° | 1456.1 | 1469.5 | 1437.2 | 1441.5 | 1405.1 | 1416.1 | 1360.7 | 1371.1 | 1327.9 | 1345.6 | 1302.4 |
| 62.5° | 1507.7 | 1557.5 | 1551.5 | 1558.2 | 1523.6 | 1529.0 | 1471.9 | 1488.3 | 1436.6 | 1449.4 | 1405.1 |
| 65° | 1409.3 | 1531.5 | 1593.5 | 1661.5 | 1663.2 | 1680.9 | 1625.6 | 1631.7 | 1580.0 | 1577.0 | 1524.8 |
| 67.5° | 1148.8 | 1299.4 | 1403.9 | 1543.6 | 1641.4 | 1735.5 | 1769.6 | 1778.1 | 1750.2 | 1720.4 | 1661.5 |
| 70° | 693.2 | 857.7 | 1011.5 | 1176.1 | 1330.3 | 1499.9 | 1643.8 | 1743.4 | 1830.4 | 1826.1 | 1834.6 |
| 72.5° | 273.9 | 410.6 | 513.3 | 667.6 | 820.7 | 1008.4 | 1167.6 | 1307.8 | 1457.3 | 1549.1 | 1668.1 |
| 75° | 108.1 | 142.8 | 167.0 | 253.3 | 326.2 | 466.0 | 606.3 | 682.2 | 799.4 | 879.6 | 962.3 |
| 77.5° | 77.7 | 85.0 | 86.2 | 100.2 | 105.7 | 146.4 | 171.3 | 197.4 | 222.3 | 238.1 | 235.1 |
| 80° | 60.1 | 65.0 | 65.0 | 71.1 | 70.5 | 78.4 | 76.5 | 83.9 | 83.3 | 89.3 | 85.0 |
| 82.5° | 44.9 | 48.0 | 48.0 | 52.9 | 52.9 | 57.7 | 56.5 | 61.4 | 59.5 | 63.8 | 59.5 |
| 85° | 29.2 | 32.2 | 32.2 | 34.6 | 33.5 | 38.3 | 37.6 | 41.3 | 39.5 | 41.3 | 38.3 |
| 87.5° | 16.4 | 18.2 | 18.8 | 20.7 | 18.8 | 22.5 | 21.9 | 23.7 | 21.9 | 23.7 | 22.5 |
| 90° | 2.5 | 3.7 | 2.5 | 3.7 | 1.8 | 5.4 | 3.1 | 6.0 | 1.8 | 7.3 | 3.1 |
| 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 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 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: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

CANDELA DISTRIBUTION (continued):

| | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|--------|--------|--------|--------|--------|
| 0° | 474.4 | 474.4 | 474.4 | 474.4 | 474.4 |
| 2.5° | 474.4 | 473.2 | 475.7 | 472.0 | 475.1 |
| 5° | 482.9 | 477.5 | 484.2 | 477.5 | 483.5 |
| 7.5° | 494.5 | 485.4 | 495.1 | 485.4 | 495.1 |
| 10° | 505.4 | 490.2 | 506.1 | 491.4 | 506.7 |
| 12.5° | 521.8 | 503.6 | 524.3 | 504.2 | 524.3 |
| 15° | 540.0 | 519.4 | 542.5 | 520.0 | 543.7 |
| 17.5° | 554.6 | 534.6 | 557.1 | 534.6 | 557.7 |
| 20° | 566.8 | 551.0 | 569.8 | 551.0 | 571.6 |
| 22.5° | 580.7 | 569.2 | 584.4 | 569.2 | 588.0 |
| 25° | 598.9 | 591.1 | 603.2 | 592.3 | 605.7 |
| 27.5° | 620.2 | 614.8 | 624.5 | 616.6 | 626.9 |
| 30° | 645.2 | 643.3 | 648.1 | 644.6 | 650.6 |
| 32.5° | 673.1 | 677.3 | 677.3 | 677.3 | 679.8 |
| 35° | 713.8 | 717.4 | 717.4 | 718.6 | 719.2 |
| 37.5° | 752.7 | 758.7 | 758.1 | 760.0 | 760.0 |
| 40° | 793.4 | 801.3 | 801.3 | 801.3 | 802.5 |
| 42.5° | 838.3 | 846.8 | 848.0 | 844.3 | 846.8 |
| 45° | 888.7 | 891.8 | 894.8 | 893.0 | 897.2 |
| 47.5° | 942.8 | 945.8 | 948.3 | 945.8 | 952.5 |
| 50° | 1006.6 | 1006.0 | 1012.6 | 1006.0 | 1015.7 |
| 52.5° | 1073.4 | 1078.9 | 1083.1 | 1076.5 | 1083.1 |
| 55° | 1148.8 | 1146.9 | 1160.8 | 1151.7 | 1160.8 |
| 57.5° | 1231.3 | 1231.3 | 1245.3 | 1236.8 | 1247.2 |
| 60° | 1329.1 | 1321.2 | 1340.7 | 1326.8 | 1340.7 |
| 62.5° | 1428.1 | 1414.2 | 1436.1 | 1423.9 | 1442.2 |
| 65° | 1542.4 | 1522.4 | 1543.0 | 1527.2 | 1543.6 |
| 67.5° | 1657.8 | 1634.7 | 1641.4 | 1633.6 | 1642.7 |
| 70° | 1806.0 | 1803.0 | 1795.1 | 1818.2 | 1798.1 |
| 72.5° | 1649.3 | 1684.5 | 1656.0 | 1711.3 | 1673.5 |
| 75° | 1013.2 | 1078.3 | 1114.1 | 1170.6 | 1161.5 |
| 77.5° | 240.0 | 213.2 | 235.1 | 210.8 | 237.5 |
| 80° | 88.7 | 80.8 | 84.4 | 73.6 | 82.0 |
| 82.5° | 60.8 | 52.9 | 51.0 | 40.7 | 43.8 |
| 85° | 38.9 | 31.6 | 29.2 | 24.3 | 26.7 |
| 87.5° | 23.1 | 17.6 | 16.4 | 14.0 | 14.6 |
| 90° | 6.6 | 2.5 | 4.9 | 1.2 | 4.3 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227440

CATALOG NUMBER: ISW-AF-600-LED-E1-RW

CANDELA DISTRIBUTION (continued):

| | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)