

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: P271763

Luminaire Tested: **ISW-AF-450-LED-E1-SL3-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35946)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-450-LED-E1-SL3-7027
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2580.1 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G1

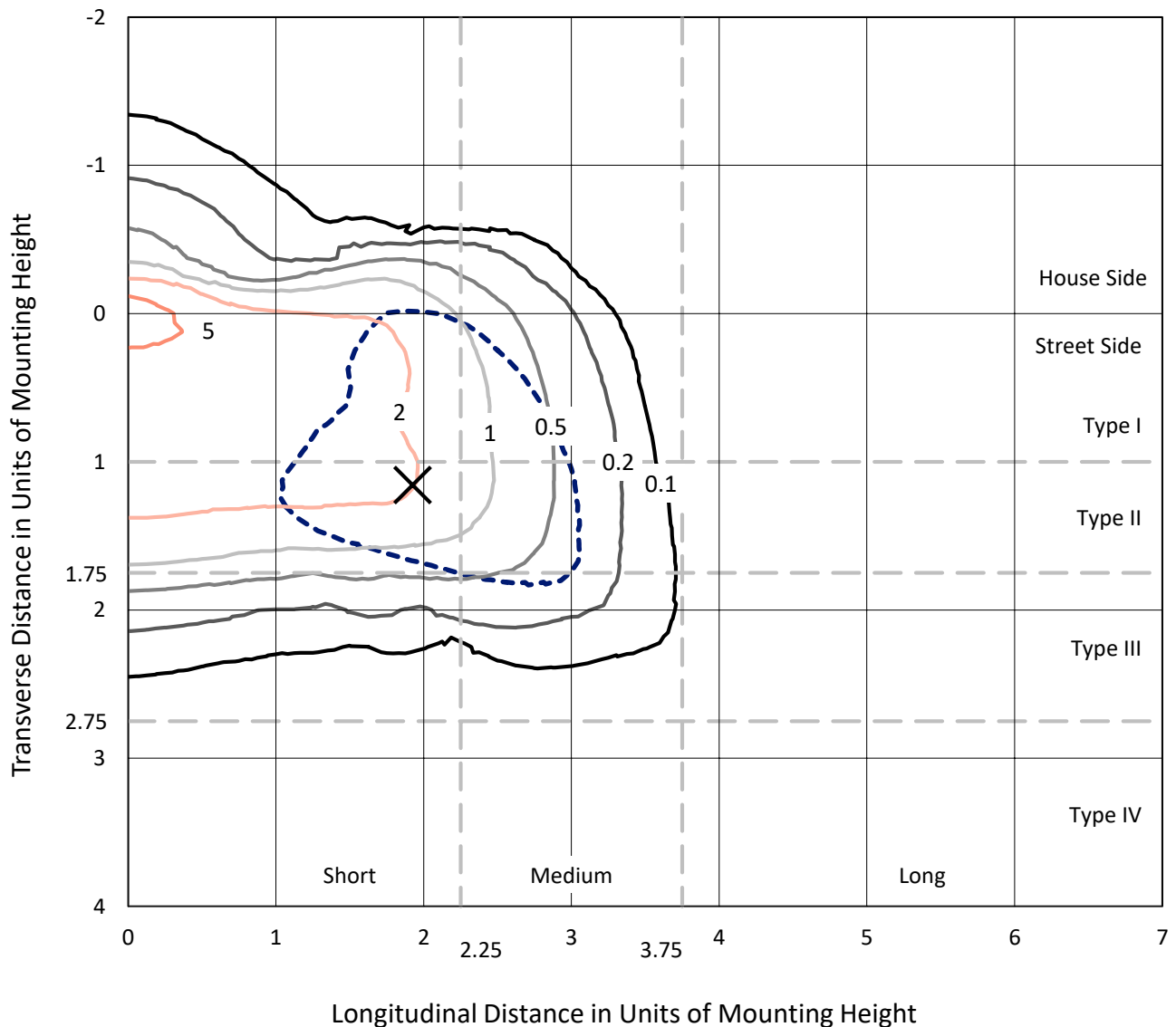
Input Watts (W): 25.31
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

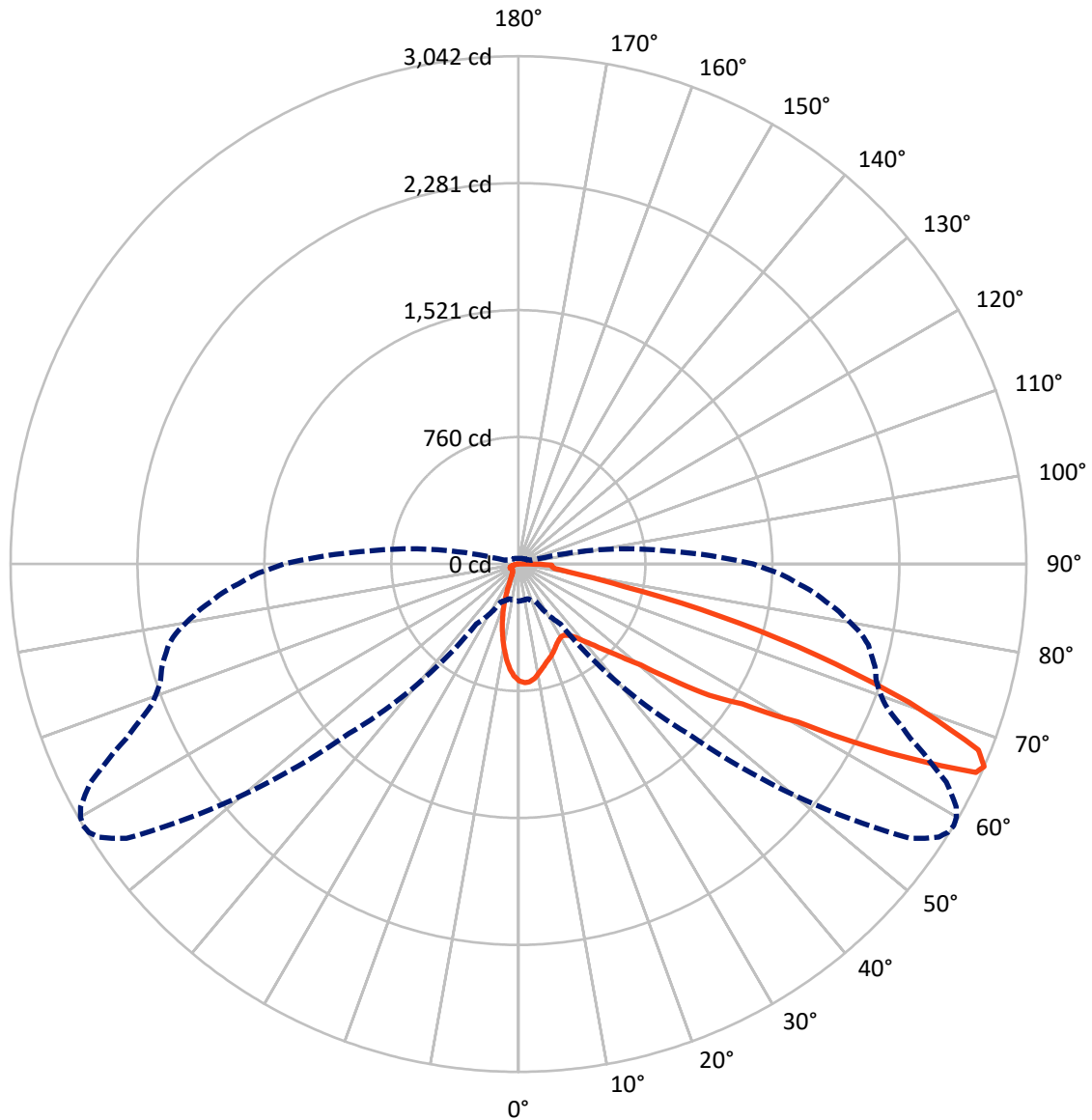
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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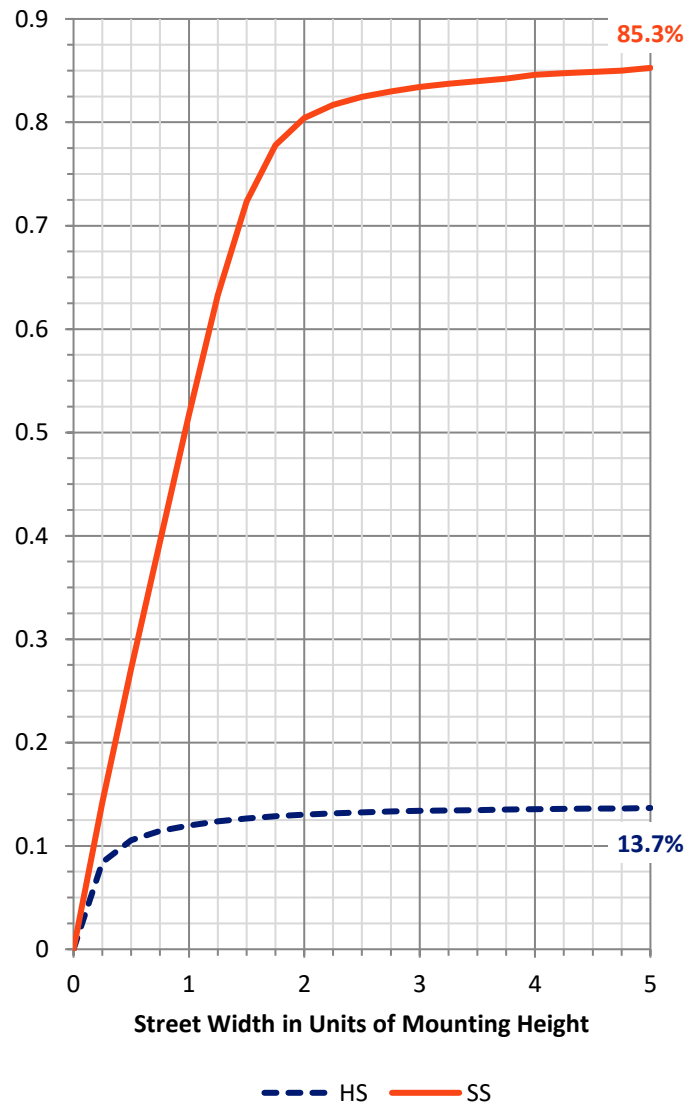
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 358.0 | 0.2 | 358.1 |
| | % Fixture | 13.9 | 0.0 | 13.9 |
| Street Side | Lumens | 2221.0 | 0.9 | 2221.9 |
| | % Fixture | 86.1 | 0.0 | 86.1 |
| Total | Lumens | 2578.9 | 1.1 | 2580.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.7 | 2.3 |
| 10°-20° | 126.2 | 4.9 |
| 20°-30° | 158.3 | 6.1 |
| 30°-40° | 216.6 | 8.4 |
| 40°-50° | 348.5 | 13.5 |
| 50°-60° | 605.5 | 23.5 |
| 60°-70° | 735.7 | 28.5 |
| 70°-80° | 274.4 | 10.6 |
| 80°-90° | 54.0 | 2.1 |
| 90°-100° | 1.1 | 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° | 2578.9 | 100.0 |
| 0°-180° | 2580.1 | 100.0 |



REPORT NUMBER: P271763

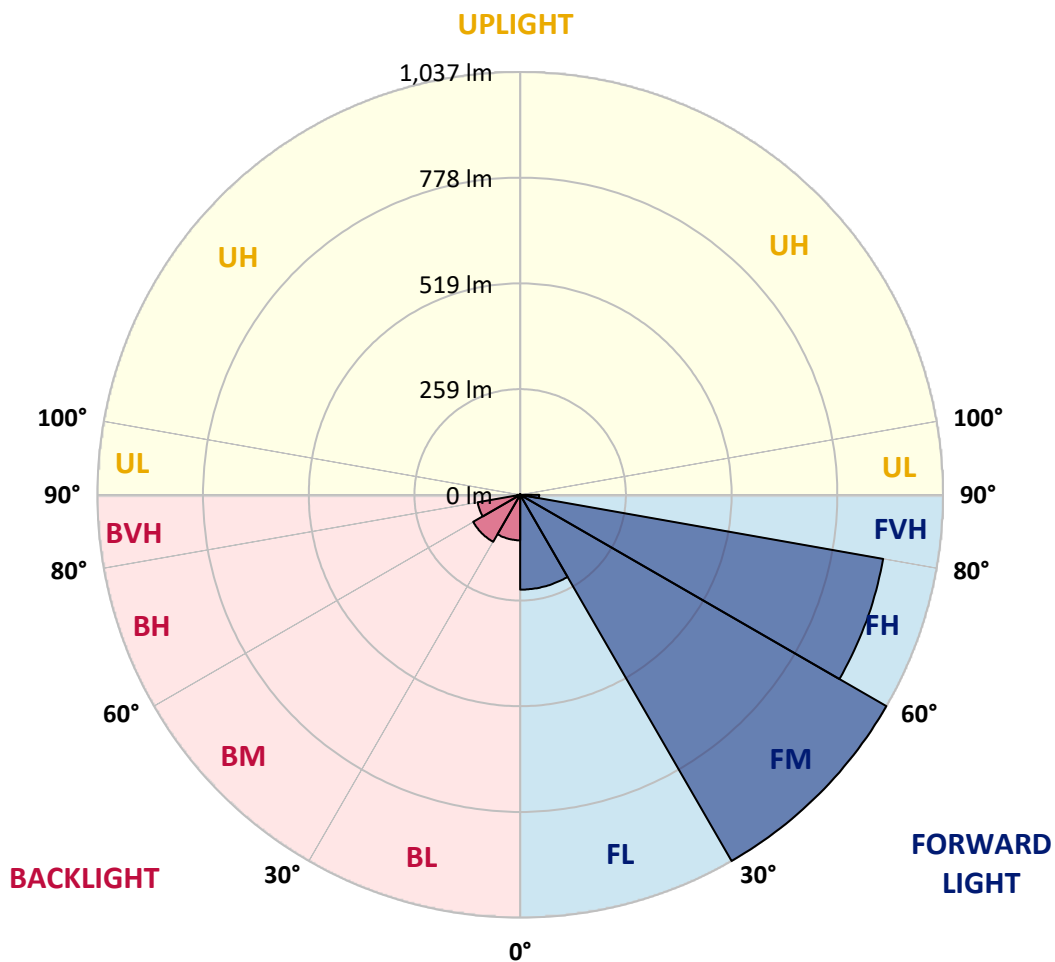
CATALOG NUMBER: ISW-AF-450-LED-E1-SL3-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|---------|
| | | | B | U | G |
| FL (0°-30°) | 232.7 | 9.0 | | | |
| FM (30°-60°) | 1037.5 | 40.2 | | | |
| FH (60°-80°) | 904.3 | 35.0 | | | G1/1800 |
| FVH (80°-90°) | 46.6 | 1.8 | | | G1/100 |
| BL (0°-30°) | 111.6 | 4.3 | B1/500 | | |
| BM (30°-60°) | 133.1 | 5.2 | B0/220 | | |
| BH (60°-80°) | 105.9 | 4.1 | B0/110 | | G0/110 |
| BVH (80°-90°) | 7.4 | 0.3 | | | G0/10 |
| UL (90°-100°) | 1.1 | 0.0 | | U1/10 | |
| UH (100°-180°) | 0.2 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 |
| 2.5° | 719.1 | 716.8 | 721.1 | 719.5 | 720.7 | 714.8 | 713.5 | 712.4 | 713.2 | 712.0 | 712.0 |
| 5° | 702.1 | 700.9 | 706.1 | 708.9 | 711.2 | 710.4 | 710.0 | 710.0 | 710.4 | 707.7 | 708.0 |
| 7.5° | 652.3 | 651.5 | 658.5 | 663.8 | 675.3 | 681.9 | 690.7 | 691.1 | 691.9 | 690.7 | 693.0 |
| 10° | 599.3 | 601.7 | 608.0 | 616.2 | 633.2 | 643.5 | 660.2 | 663.4 | 664.6 | 664.9 | 665.4 |
| 12.5° | 548.7 | 546.3 | 554.2 | 570.0 | 592.9 | 609.6 | 630.5 | 632.0 | 634.0 | 636.9 | 639.6 |
| 15° | 503.5 | 506.4 | 512.7 | 529.2 | 553.4 | 576.7 | 604.0 | 605.5 | 609.6 | 611.9 | 615.9 |
| 17.5° | 472.7 | 472.7 | 479.9 | 495.2 | 517.9 | 547.4 | 581.8 | 584.7 | 587.9 | 590.9 | 595.3 |
| 20° | 457.2 | 457.2 | 460.0 | 469.2 | 488.9 | 517.3 | 558.9 | 562.1 | 567.5 | 571.2 | 577.1 |
| 22.5° | 456.1 | 455.7 | 455.4 | 457.2 | 469.2 | 491.2 | 534.4 | 538.7 | 543.5 | 549.0 | 554.2 |
| 25° | 468.7 | 469.9 | 465.1 | 462.0 | 463.2 | 473.5 | 511.0 | 513.4 | 522.5 | 526.0 | 532.4 |
| 27.5° | 486.9 | 488.9 | 484.9 | 480.2 | 473.0 | 466.4 | 491.2 | 495.2 | 501.2 | 507.1 | 515.0 |
| 30° | 513.0 | 512.7 | 512.2 | 509.1 | 495.2 | 474.2 | 485.4 | 488.0 | 493.3 | 498.0 | 504.8 |
| 32.5° | 541.0 | 544.4 | 546.7 | 545.1 | 530.9 | 495.2 | 493.7 | 496.0 | 500.7 | 503.5 | 507.9 |
| 35° | 577.5 | 579.0 | 588.2 | 588.2 | 573.9 | 532.9 | 517.0 | 519.0 | 521.4 | 522.5 | 525.7 |
| 37.5° | 617.5 | 623.1 | 636.4 | 644.4 | 622.2 | 579.5 | 553.7 | 553.7 | 555.0 | 555.7 | 557.8 |
| 40° | 663.8 | 671.7 | 690.3 | 705.3 | 691.1 | 637.7 | 602.0 | 605.5 | 604.4 | 602.9 | 607.2 |
| 42.5° | 717.6 | 726.2 | 748.7 | 763.0 | 754.8 | 707.7 | 666.9 | 664.6 | 668.1 | 663.4 | 664.9 |
| 45° | 780.1 | 786.7 | 809.7 | 824.7 | 831.4 | 793.6 | 751.9 | 747.2 | 747.2 | 736.9 | 741.3 |
| 47.5° | 836.2 | 838.2 | 860.4 | 886.9 | 908.5 | 909.4 | 850.9 | 847.7 | 840.2 | 833.4 | 831.8 |
| 50° | 888.4 | 894.4 | 908.5 | 937.5 | 982.9 | 1022.5 | 986.9 | 977.1 | 968.7 | 943.8 | 951.3 |
| 52.5° | 979.1 | 990.5 | 999.5 | 1017.0 | 1070.8 | 1151.1 | 1194.9 | 1179.6 | 1177.6 | 1155.0 | 1149.9 |
| 55° | 996.0 | 997.2 | 1027.2 | 1127.7 | 1254.3 | 1312.1 | 1396.3 | 1396.0 | 1402.3 | 1395.1 | 1388.4 |
| 57.5° | 916.1 | 906.6 | 956.9 | 1089.4 | 1343.8 | 1640.3 | 1614.6 | 1617.4 | 1609.1 | 1587.3 | 1580.7 |
| 60° | 713.5 | 721.5 | 775.7 | 944.6 | 1279.3 | 1852.3 | 2022.1 | 1971.8 | 2007.8 | 1951.3 | 1920.8 |
| 62.5° | 401.5 | 392.4 | 429.2 | 606.7 | 1049.4 | 1863.4 | 2577.1 | 2582.5 | 2600.0 | 2568.3 | 2494.0 |
| 65° | 259.1 | 255.1 | 251.5 | 307.0 | 628.9 | 1630.1 | 2884.0 | 2952.0 | 2992.7 | 3009.4 | 3010.6 |
| 66° | 222.7 | 219.5 | 215.1 | 251.2 | 438.2 | 1436.3 | 2864.2 | 2937.0 | 3001.9 | 3032.7 | 3041.8 |
| 67.5° | 189.5 | 184.7 | 184.0 | 208.0 | 305.0 | 1114.3 | 2675.5 | 2789.9 | 2847.2 | 2927.0 | 2970.7 |
| 70° | 144.8 | 142.4 | 149.5 | 179.6 | 234.2 | 524.5 | 2132.0 | 2281.2 | 2380.1 | 2442.5 | 2482.8 |
| 72.5° | 121.5 | 120.6 | 130.5 | 164.2 | 221.9 | 297.5 | 1492.4 | 1652.6 | 1755.8 | 1815.7 | 1871.0 |
| 75° | 95.0 | 95.7 | 108.8 | 156.7 | 220.7 | 259.1 | 867.0 | 1019.8 | 1079.9 | 1174.1 | 1245.9 |
| 77.5° | 71.1 | 70.3 | 80.7 | 126.6 | 215.1 | 262.7 | 450.5 | 513.8 | 579.9 | 627.7 | 645.2 |
| 80° | 49.9 | 50.7 | 57.7 | 87.0 | 167.7 | 270.2 | 280.8 | 295.5 | 309.4 | 324.7 | 327.9 |
| 82.5° | 33.2 | 33.7 | 42.7 | 59.7 | 116.3 | 257.9 | 262.2 | 255.5 | 244.9 | 231.4 | 216.9 |
| 85° | 20.2 | 21.0 | 30.5 | 40.3 | 90.2 | 233.4 | 271.4 | 253.5 | 237.3 | 219.5 | 201.7 |
| 87.5° | 10.3 | 11.5 | 18.1 | 23.7 | 53.4 | 115.2 | 282.4 | 269.4 | 247.2 | 219.9 | 200.1 |
| 90° | 2.8 | 2.8 | 4.0 | 5.9 | 10.7 | 23.4 | 71.1 | 64.0 | 32.0 | 60.9 | 30.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: ISW-AF-450-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

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



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 CATALOG NUMBER: ISW-AF-450-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 |
| 2.5° | 711.5 | 712.4 | 711.5 | 710.4 | 711.5 | 710.4 | 710.0 | 709.6 | 710.0 | 709.2 | 708.9 |
| 5° | 708.0 | 708.9 | 708.9 | 706.4 | 706.1 | 707.7 | 705.3 | 706.1 | 705.3 | 704.5 | 702.9 |
| 7.5° | 691.1 | 691.4 | 691.9 | 690.3 | 691.4 | 691.4 | 690.7 | 690.7 | 689.9 | 690.3 | 688.7 |
| 10° | 667.4 | 668.9 | 670.5 | 669.7 | 669.2 | 672.8 | 671.2 | 672.4 | 672.4 | 671.2 | 671.7 |
| 12.5° | 641.6 | 644.4 | 646.3 | 646.3 | 647.9 | 651.9 | 651.5 | 652.3 | 655.4 | 655.4 | 654.2 |
| 15° | 617.9 | 620.5 | 623.9 | 626.2 | 629.4 | 632.0 | 634.0 | 637.3 | 638.9 | 638.9 | 640.9 |
| 17.5° | 599.3 | 603.2 | 606.7 | 608.0 | 612.4 | 617.0 | 618.2 | 622.2 | 624.6 | 625.8 | 628.2 |
| 20° | 581.0 | 585.4 | 589.7 | 593.7 | 597.7 | 603.2 | 606.0 | 608.3 | 612.4 | 614.7 | 618.2 |
| 22.5° | 559.7 | 566.4 | 572.0 | 576.7 | 583.4 | 588.2 | 593.7 | 597.7 | 602.4 | 606.0 | 608.7 |
| 25° | 539.5 | 548.7 | 556.1 | 560.9 | 570.0 | 576.7 | 583.4 | 589.4 | 595.3 | 600.4 | 604.4 |
| 27.5° | 520.9 | 531.3 | 540.3 | 547.9 | 557.8 | 568.4 | 575.2 | 585.1 | 592.9 | 600.1 | 604.8 |
| 30° | 511.9 | 520.6 | 530.0 | 538.7 | 548.7 | 562.1 | 573.2 | 585.9 | 595.7 | 604.8 | 611.9 |
| 32.5° | 513.8 | 521.7 | 530.0 | 537.5 | 547.9 | 562.9 | 574.4 | 589.0 | 603.6 | 615.5 | 624.6 |
| 35° | 529.6 | 536.7 | 542.3 | 549.0 | 558.2 | 569.5 | 581.8 | 597.4 | 615.5 | 631.3 | 643.2 |
| 37.5° | 562.9 | 564.9 | 570.4 | 575.5 | 580.2 | 590.9 | 602.4 | 615.5 | 636.4 | 653.1 | 669.7 |
| 40° | 604.0 | 609.1 | 614.4 | 616.7 | 622.2 | 628.9 | 634.0 | 647.9 | 666.5 | 688.3 | 706.4 |
| 42.5° | 665.4 | 667.4 | 668.1 | 668.9 | 670.9 | 675.6 | 683.1 | 695.7 | 714.0 | 733.4 | 753.5 |
| 45° | 734.2 | 736.5 | 738.9 | 740.0 | 737.3 | 740.0 | 748.0 | 753.9 | 771.7 | 789.9 | 815.6 |
| 47.5° | 829.5 | 822.4 | 818.7 | 823.6 | 821.2 | 827.1 | 830.7 | 834.3 | 855.5 | 877.4 | 899.1 |
| 50° | 951.8 | 947.4 | 941.9 | 942.2 | 946.5 | 942.6 | 944.9 | 958.0 | 965.2 | 983.4 | 1012.2 |
| 52.5° | 1147.1 | 1133.6 | 1112.7 | 1103.6 | 1108.8 | 1105.5 | 1106.7 | 1109.6 | 1104.7 | 1121.8 | 1146.2 |
| 55° | 1388.4 | 1371.0 | 1357.2 | 1349.3 | 1320.0 | 1317.6 | 1298.2 | 1291.1 | 1275.6 | 1291.9 | 1286.4 |
| 57.5° | 1560.4 | 1549.4 | 1542.3 | 1518.6 | 1505.1 | 1478.3 | 1470.3 | 1460.7 | 1439.4 | 1450.1 | 1459.6 |
| 60° | 1892.7 | 1853.1 | 1839.7 | 1798.1 | 1784.3 | 1758.6 | 1725.8 | 1709.6 | 1698.5 | 1708.8 | 1702.5 |
| 62.5° | 2447.3 | 2392.4 | 2381.7 | 2283.1 | 2259.0 | 2199.7 | 2138.0 | 2129.6 | 2094.8 | 2073.1 | 2068.0 |
| 65° | 2988.8 | 2910.1 | 2851.2 | 2743.5 | 2670.8 | 2586.1 | 2492.0 | 2423.2 | 2352.3 | 2316.8 | 2269.7 |
| 66° | 3029.2 | 2997.9 | 2938.5 | 2875.7 | 2769.7 | 2677.1 | 2570.3 | 2495.9 | 2416.4 | 2354.0 | 2313.7 |
| 67.5° | 2960.4 | 2943.7 | 2922.7 | 2880.1 | 2813.6 | 2727.3 | 2626.0 | 2531.2 | 2435.5 | 2361.8 | 2297.3 |
| 70° | 2502.3 | 2520.5 | 2544.2 | 2533.1 | 2495.1 | 2461.5 | 2372.2 | 2319.2 | 2247.1 | 2150.6 | 2111.1 |
| 72.5° | 1888.8 | 1937.5 | 1920.8 | 1858.3 | 1829.1 | 1805.8 | 1773.3 | 1737.7 | 1634.5 | 1622.6 | 1575.9 |
| 75° | 1215.1 | 1198.9 | 1209.6 | 1133.6 | 1081.9 | 1060.4 | 983.4 | 951.8 | 874.2 | 823.9 | 785.6 |
| 77.5° | 640.4 | 608.7 | 584.3 | 517.3 | 469.5 | 441.4 | 403.9 | 359.5 | 291.5 | 287.5 | 225.5 |
| 80° | 297.1 | 272.9 | 250.8 | 227.5 | 204.2 | 173.2 | 150.3 | 122.6 | 108.3 | 93.0 | 86.7 |
| 82.5° | 201.7 | 186.3 | 172.8 | 157.5 | 139.7 | 118.3 | 102.0 | 86.7 | 74.0 | 66.5 | 60.5 |
| 85° | 182.7 | 166.2 | 151.2 | 131.7 | 113.2 | 95.3 | 78.0 | 64.5 | 52.6 | 45.9 | 42.0 |
| 87.5° | 177.7 | 157.0 | 141.2 | 120.2 | 102.0 | 83.8 | 67.2 | 52.2 | 40.7 | 33.2 | 28.5 |
| 90° | 22.5 | 24.2 | 17.3 | 16.6 | 7.2 | 9.2 | 6.7 | 4.0 | 4.3 | 3.1 | 3.5 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P271763

CATALOG NUMBER: ISW-AF-450-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P271763

CATALOG NUMBER: ISW-AF-450-LED-E1-SL3-7027

CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 |
| 2.5° | 708.0 | 706.9 | 708.0 | 707.7 | 706.1 | 706.4 | 706.9 | 705.3 | 704.5 | 704.5 | 704.1 |
| 5° | 701.8 | 700.9 | 701.8 | 701.4 | 698.9 | 698.5 | 698.5 | 697.4 | 695.7 | 694.6 | 693.9 |
| 7.5° | 686.7 | 687.5 | 687.0 | 685.9 | 684.7 | 684.7 | 683.5 | 680.7 | 679.2 | 677.6 | 676.1 |
| 10° | 669.7 | 669.7 | 670.0 | 669.7 | 667.7 | 666.9 | 665.4 | 663.8 | 664.2 | 660.2 | 657.0 |
| 12.5° | 654.7 | 654.7 | 654.2 | 653.4 | 652.3 | 651.9 | 651.9 | 647.0 | 645.9 | 644.7 | 641.2 |
| 15° | 640.4 | 641.2 | 641.2 | 641.2 | 639.2 | 639.2 | 637.3 | 634.0 | 634.0 | 630.5 | 626.9 |
| 17.5° | 629.4 | 630.5 | 630.1 | 630.5 | 630.9 | 628.5 | 625.0 | 623.1 | 620.5 | 618.7 | 613.9 |
| 20° | 619.8 | 620.5 | 621.0 | 621.0 | 619.8 | 618.2 | 615.1 | 611.9 | 610.4 | 606.4 | 600.4 |
| 22.5° | 611.2 | 612.7 | 613.1 | 613.1 | 611.6 | 610.4 | 607.2 | 602.4 | 599.3 | 594.5 | 589.0 |
| 25° | 607.5 | 609.6 | 608.3 | 609.1 | 607.5 | 604.8 | 600.4 | 596.6 | 591.7 | 585.9 | 579.9 |
| 27.5° | 608.7 | 611.6 | 610.8 | 610.4 | 608.3 | 606.4 | 600.9 | 596.0 | 590.5 | 583.4 | 575.9 |
| 30° | 615.9 | 620.5 | 618.7 | 617.0 | 616.7 | 611.9 | 606.7 | 600.1 | 593.7 | 585.4 | 576.7 |
| 32.5° | 629.4 | 631.7 | 632.0 | 630.9 | 628.9 | 625.0 | 617.9 | 609.1 | 602.0 | 592.2 | 581.8 |
| 35° | 651.5 | 653.9 | 653.1 | 653.1 | 651.1 | 644.7 | 636.1 | 627.4 | 617.5 | 606.4 | 595.7 |
| 37.5° | 682.4 | 686.7 | 685.9 | 684.3 | 681.9 | 674.4 | 667.7 | 657.0 | 645.9 | 631.3 | 619.0 |
| 40° | 721.1 | 727.9 | 733.7 | 732.6 | 727.0 | 720.4 | 714.0 | 701.8 | 690.7 | 674.4 | 661.0 |
| 42.5° | 773.4 | 782.4 | 789.9 | 795.4 | 793.1 | 784.4 | 773.4 | 768.2 | 752.3 | 735.7 | 721.9 |
| 45° | 840.2 | 859.2 | 865.9 | 872.6 | 872.6 | 867.0 | 864.7 | 854.4 | 837.8 | 815.6 | 802.5 |
| 47.5° | 928.4 | 953.7 | 961.2 | 972.7 | 979.4 | 973.4 | 969.1 | 951.8 | 940.6 | 910.2 | 907.0 |
| 50° | 1035.6 | 1060.9 | 1081.5 | 1094.9 | 1092.9 | 1098.1 | 1087.8 | 1077.9 | 1062.4 | 1037.5 | 1028.8 |
| 52.5° | 1172.4 | 1192.6 | 1211.2 | 1219.1 | 1227.4 | 1226.3 | 1223.9 | 1217.1 | 1197.7 | 1184.2 | 1162.1 |
| 55° | 1312.9 | 1329.4 | 1351.9 | 1365.1 | 1375.8 | 1373.8 | 1364.6 | 1348.4 | 1351.9 | 1323.9 | 1311.6 |
| 57.5° | 1472.6 | 1490.8 | 1515.4 | 1527.7 | 1532.4 | 1556.5 | 1550.6 | 1548.6 | 1541.9 | 1532.0 | 1519.3 |
| 60° | 1747.6 | 1752.8 | 1772.9 | 1803.8 | 1841.7 | 1834.2 | 1843.7 | 1850.0 | 1854.8 | 1832.6 | 1831.0 |
| 62.5° | 2075.1 | 2081.5 | 2098.8 | 2105.2 | 2110.7 | 2111.5 | 2098.8 | 2098.8 | 2077.0 | 2048.6 | 2026.5 |
| 65° | 2253.8 | 2240.8 | 2229.0 | 2222.2 | 2207.6 | 2194.5 | 2175.5 | 2149.8 | 2113.0 | 2069.2 | 2029.6 |
| 66° | 2279.6 | 2253.1 | 2237.7 | 2220.6 | 2197.3 | 2173.2 | 2150.6 | 2115.4 | 2072.3 | 2020.1 | 1967.8 |
| 67.5° | 2254.7 | 2218.3 | 2182.3 | 2157.4 | 2124.9 | 2081.5 | 2041.8 | 2000.7 | 1960.0 | 1888.3 | 1839.7 |
| 70° | 2027.3 | 1983.6 | 1944.1 | 1889.6 | 1838.1 | 1795.4 | 1727.4 | 1655.8 | 1596.8 | 1521.7 | 1473.8 |
| 72.5° | 1505.5 | 1454.1 | 1402.6 | 1325.9 | 1251.1 | 1240.1 | 1154.6 | 1070.4 | 1025.2 | 964.8 | 916.1 |
| 75° | 743.7 | 678.8 | 586.6 | 545.5 | 485.7 | 456.5 | 440.3 | 379.4 | 364.7 | 305.0 | 304.2 |
| 77.5° | 210.0 | 180.4 | 160.2 | 139.7 | 131.0 | 124.7 | 102.9 | 98.5 | 89.4 | 87.9 | 82.6 |
| 80° | 79.5 | 75.2 | 73.2 | 71.1 | 69.2 | 68.0 | 67.2 | 64.0 | 62.5 | 60.2 | 58.9 |
| 82.5° | 57.3 | 55.8 | 52.2 | 51.0 | 49.5 | 47.1 | 46.7 | 44.6 | 43.5 | 41.1 | 40.3 |
| 85° | 38.8 | 36.8 | 34.9 | 32.9 | 32.0 | 31.6 | 30.5 | 29.6 | 28.8 | 27.7 | 27.3 |
| 87.5° | 26.1 | 24.2 | 21.8 | 21.0 | 20.6 | 21.0 | 21.4 | 20.6 | 20.2 | 19.3 | 19.0 |
| 90° | 3.1 | 4.3 | 4.0 | 4.0 | 4.7 | 4.0 | 4.0 | 4.3 | 4.0 | 4.0 | 3.5 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P271763
 CATALOG NUMBER: ISW-AF-450-LED-E1-SL3-7027

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

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

NUMBER: P271763
 NUMBER: ISW-AF-450-LED-E1-SL3-7027

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 82° | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 110° | 82° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-----|
| 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 0.0 |
| 703.4 | 702.1 | 702.6 | 700.9 | 700.5 | 701.4 | 701.8 | 701.8 | 700.5 | 693.4 | 685.0 | 112.5° | 0.0 |
| 693.0 | 690.7 | 690.3 | 689.1 | 687.0 | 689.4 | 688.3 | 686.2 | 683.9 | 675.6 | 659.4 | 115° | 0.0 |
| 674.0 | 672.4 | 670.5 | 668.9 | 667.7 | 666.9 | 666.5 | 664.6 | 660.2 | 644.7 | 617.5 | 117.5° | 0.0 |
| 655.9 | 653.9 | 651.5 | 647.9 | 646.3 | 643.9 | 643.9 | 639.2 | 636.1 | 616.7 | 576.4 | 120° | 0.0 |
| 638.1 | 634.5 | 633.2 | 630.9 | 626.6 | 624.6 | 621.8 | 617.0 | 612.4 | 589.0 | 536.0 | 122.5° | 0.0 |
| 624.6 | 621.0 | 615.9 | 614.4 | 609.6 | 605.2 | 601.7 | 595.3 | 590.2 | 559.4 | 493.7 | 125° | 0.0 |
| 609.9 | 607.2 | 601.7 | 598.1 | 592.9 | 587.9 | 581.8 | 573.9 | 570.4 | 531.3 | 453.4 | 127.5° | 0.0 |
| 598.1 | 591.7 | 585.4 | 582.2 | 575.9 | 570.0 | 564.0 | 554.5 | 547.4 | 503.5 | 410.5 | 130° | 0.0 |
| 584.3 | 578.7 | 572.0 | 566.4 | 557.8 | 551.0 | 544.4 | 534.4 | 525.7 | 475.5 | 367.5 | 132.5° | 0.0 |
| 574.7 | 566.8 | 559.7 | 553.4 | 543.5 | 535.6 | 526.0 | 515.4 | 506.7 | 448.5 | 320.0 | 135° | 0.0 |
| 569.2 | 561.4 | 552.2 | 544.4 | 532.9 | 523.7 | 513.4 | 501.5 | 490.5 | 426.9 | 275.3 | 137.5° | 0.0 |
| 567.5 | 558.2 | 548.7 | 538.7 | 526.9 | 515.4 | 503.1 | 491.2 | 477.0 | 405.9 | 226.6 | 140° | 0.0 |
| 572.4 | 560.9 | 550.2 | 538.4 | 524.5 | 511.5 | 499.2 | 483.7 | 469.5 | 387.7 | 178.9 | 142.5° | 0.0 |
| 585.4 | 571.6 | 559.4 | 546.3 | 530.4 | 516.2 | 501.5 | 484.2 | 468.4 | 375.0 | 136.8 | 145° | 0.0 |
| 606.0 | 592.9 | 578.7 | 565.7 | 547.4 | 531.7 | 515.4 | 496.9 | 477.8 | 369.8 | 103.2 | 147.5° | 0.0 |
| 647.5 | 630.1 | 615.5 | 601.7 | 580.7 | 564.5 | 545.9 | 523.4 | 502.0 | 374.6 | 86.2 | 150° | 0.0 |
| 705.7 | 683.9 | 670.5 | 658.2 | 632.0 | 614.4 | 592.9 | 567.2 | 543.0 | 388.1 | 76.0 | 152.5° | 0.0 |
| 785.9 | 769.4 | 745.2 | 726.2 | 699.7 | 679.9 | 656.2 | 625.4 | 598.5 | 407.0 | 70.8 | 155° | 0.0 |
| 886.4 | 864.7 | 840.9 | 821.6 | 792.7 | 758.3 | 733.4 | 696.2 | 665.7 | 436.7 | 68.5 | 157.5° | 0.0 |
| 1009.4 | 983.4 | 951.3 | 935.0 | 895.1 | 868.2 | 835.1 | 795.1 | 756.4 | 482.6 | 69.6 | 160° | 0.0 |
| 1143.1 | 1115.1 | 1090.1 | 1059.3 | 1022.9 | 992.9 | 961.2 | 918.9 | 870.2 | 569.5 | 74.4 | 162.5° | 0.0 |
| 1284.4 | 1266.3 | 1242.4 | 1202.5 | 1182.7 | 1144.7 | 1104.4 | 1057.8 | 1022.5 | 682.7 | 85.9 | 165° | 0.0 |
| 1490.1 | 1470.3 | 1467.5 | 1428.3 | 1398.3 | 1363.9 | 1332.3 | 1293.5 | 1252.0 | 883.7 | 112.7 | 167.5° | 0.0 |
| 1806.5 | 1785.9 | 1762.6 | 1732.1 | 1696.4 | 1653.8 | 1614.6 | 1562.4 | 1516.2 | 1085.1 | 125.4 | 170° | 0.0 |
| 1994.0 | 1956.0 | 1914.1 | 1867.8 | 1816.0 | 1763.0 | 1710.4 | 1643.4 | 1576.3 | 1097.3 | 113.2 | 172.5° | 0.0 |
| 1978.2 | 1931.1 | 1877.6 | 1814.8 | 1760.2 | 1694.9 | 1638.4 | 1552.1 | 1490.8 | 977.1 | 92.2 | 175° | 0.0 |
| 1919.6 | 1855.2 | 1805.0 | 1747.1 | 1678.8 | 1620.3 | 1560.4 | 1475.5 | 1405.4 | 895.9 | 84.2 | 177.5° | 0.0 |
| 1769.8 | 1714.8 | 1645.2 | 1589.7 | 1539.1 | 1469.1 | 1412.9 | 1333.4 | 1285.1 | 776.9 | 75.5 | 180° | 0.0 |
| 1414.5 | 1338.6 | 1279.6 | 1236.4 | 1179.1 | 1115.9 | 1066.0 | 999.2 | 956.4 | 514.2 | 65.3 | | |
| 823.9 | 804.9 | 738.9 | 701.8 | 666.9 | 615.5 | 575.9 | 543.8 | 487.7 | 249.2 | 57.7 | | |
| 254.0 | 236.2 | 233.8 | 198.5 | 210.0 | 179.6 | 174.8 | 159.0 | 159.0 | 95.7 | 45.5 | | |
| 81.0 | 79.5 | 76.4 | 72.0 | 70.3 | 70.3 | 68.5 | 68.0 | 64.9 | 51.5 | 34.0 | | |
| 57.3 | 56.1 | 55.0 | 53.8 | 53.0 | 53.4 | 51.8 | 51.0 | 50.2 | 37.2 | 26.9 | | |
| 39.5 | 38.4 | 36.0 | 36.0 | 35.2 | 34.9 | 35.2 | 33.7 | 33.2 | 26.1 | 22.5 | | |
| 26.9 | 26.5 | 26.1 | 25.7 | 25.3 | 25.0 | 24.5 | 23.4 | 22.5 | 18.1 | 15.8 | | |
| 17.8 | 15.0 | 14.6 | 12.7 | 12.3 | 11.9 | 11.0 | 11.9 | 13.0 | 13.0 | 10.3 | | |
| 4.0 | 3.5 | 4.0 | 4.0 | 3.1 | 3.5 | 3.5 | 2.8 | 2.8 | 4.0 | 3.5 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |

'271763
 ISW-AF-450-LED-E1-SL3-7027

REPORT NUMBER: P271763
 CATALOG NUMBER: ISW-AF-4!

TION (continued):

CANDELA DISTRIBUTION (con

| 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | | 115° | 125° |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 700.9 | 700.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 678.0 | 671.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 642.0 | 627.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 593.3 | 565.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 537.5 | 497.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 479.9 | 428.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 426.1 | 358.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 369.5 | 286.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 315.2 | 216.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 254.0 | 151.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 186.3 | 110.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 132.9 | 87.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 99.4 | 74.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 79.5 | 64.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 67.6 | 58.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 60.5 | 54.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 56.5 | 52.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 54.2 | 50.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 53.0 | 49.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 52.2 | 47.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 51.5 | 47.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 51.8 | 48.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 53.8 | 48.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 57.0 | 48.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 59.4 | 49.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 60.2 | 50.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 59.4 | 51.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 66° | 58.5 | 51.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 57.3 | 50.7 |
| | | | | | | | | | | 70° | 54.5 | 47.5 |
| | | | | | | | | | | 72.5° | 49.0 | 42.7 |
| | | | | | | | | | | 75° | 42.0 | 34.5 |
| | | | | | | | | | | 77.5° | 34.0 | 27.7 |
| | | | | | | | | | | 80° | 25.3 | 21.0 |
| | | | | | | | | | | 82.5° | 18.5 | 16.2 |
| | | | | | | | | | | 85° | 13.0 | 11.5 |
| | | | | | | | | | | 87.5° | 7.9 | 7.2 |
| | | | | | | | | | | 90° | 2.0 | 2.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 0.0 | 0.0 |
| | | | | | | | | | | 97.5° | 0.0 | 0.0 |
| | | | | | | | | | | 100° | 0.0 | 0.0 |
| | | | | | | | | | | 102.5° | 0.0 | 0.0 |
| | | | | | | | | | | 105° | 0.0 | 0.0 |
| | | | | | | | | | | 107.5° | 0.0 | 0.0 |



REPORT NUMBER: P271763

CATALOG NUMBER: ISW-AF-450-LED-E1-

50-LED-E1-SL3-7027

tinued):

| 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 700.9 | 700.9 | 700.9 | 700.9 | 700.9 | 700.9 |
| 667.4 | 666.9 | 657.0 | 655.0 | 648.3 | 651.9 |
| 610.8 | 604.0 | 586.2 | 582.6 | 575.2 | 573.2 |
| 543.0 | 524.5 | 510.2 | 494.4 | 479.4 | 486.9 |
| 464.0 | 432.7 | 401.5 | 380.9 | 372.5 | 369.8 |
| 388.9 | 332.6 | 293.5 | 253.1 | 238.9 | 244.1 |
| 297.9 | 233.8 | 181.5 | 158.2 | 144.8 | 142.4 |
| 210.0 | 149.8 | 125.9 | 119.8 | 117.0 | 117.0 |
| 142.4 | 114.4 | 105.2 | 102.5 | 102.5 | 102.9 |
| 108.3 | 96.1 | 92.2 | 92.5 | 94.1 | 94.5 |
| 89.8 | 85.0 | 83.0 | 85.9 | 89.0 | 89.4 |
| 77.5 | 76.4 | 76.7 | 80.3 | 83.5 | 83.8 |
| 68.0 | 69.2 | 70.8 | 74.0 | 76.7 | 77.5 |
| 61.4 | 63.3 | 64.5 | 66.5 | 68.0 | 68.5 |
| 56.5 | 58.9 | 58.5 | 59.7 | 60.9 | 61.4 |
| 53.8 | 55.0 | 53.8 | 54.5 | 54.5 | 55.3 |
| 51.5 | 51.8 | 49.9 | 50.2 | 51.0 | 51.0 |
| 49.0 | 48.7 | 46.7 | 47.5 | 48.7 | 49.0 |
| 46.7 | 45.9 | 44.3 | 45.9 | 47.9 | 48.3 |
| 44.6 | 43.8 | 43.1 | 45.1 | 47.5 | 47.9 |
| 43.8 | 43.1 | 42.3 | 45.1 | 47.5 | 47.9 |
| 43.8 | 43.1 | 42.3 | 44.3 | 46.7 | 47.1 |
| 44.3 | 43.5 | 42.0 | 43.8 | 45.5 | 45.9 |
| 44.6 | 43.8 | 41.1 | 42.3 | 43.1 | 43.5 |
| 44.6 | 43.1 | 40.3 | 40.7 | 40.7 | 41.1 |
| 43.8 | 42.0 | 38.8 | 38.8 | 38.4 | 38.4 |
| 43.8 | 40.3 | 37.2 | 36.4 | 35.7 | 35.7 |
| 43.5 | 40.0 | 36.8 | 35.7 | 34.5 | 34.5 |
| 42.7 | 39.2 | 36.0 | 34.5 | 33.2 | 33.2 |
| 40.0 | 37.5 | 34.0 | 32.4 | 31.2 | 30.8 |
| 35.7 | 34.5 | 31.6 | 30.5 | 29.3 | 28.8 |
| 30.0 | 30.5 | 28.8 | 28.0 | 26.9 | 26.5 |
| 25.3 | 26.1 | 25.3 | 25.0 | 24.2 | 23.7 |
| 20.2 | 21.8 | 21.0 | 21.0 | 21.4 | 20.6 |
| 15.5 | 17.3 | 16.6 | 17.3 | 18.1 | 17.0 |
| 10.7 | 12.7 | 12.7 | 13.0 | 13.5 | 12.7 |
| 6.7 | 8.4 | 7.9 | 8.4 | 8.4 | 7.9 |
| 1.5 | 2.8 | 1.5 | 2.3 | 2.0 | 1.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CANDELA DISTRIBUTION (continued):

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



-SL3-7027

| 145° | 155° | 165° | 175° | 180° |
|------|------|------|------|------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)