

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: P271818

Luminaire Tested: **ISW-AF-XXX-LED-E1-T3-7027-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35938)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-XXX-LED-E1-T3-7027-XXB
Description: IMPACT ELITE LED WEDGE LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 578.6 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Cutoff
BUG Rating: B0 - U1 - G0

Input Watts (W): 13
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

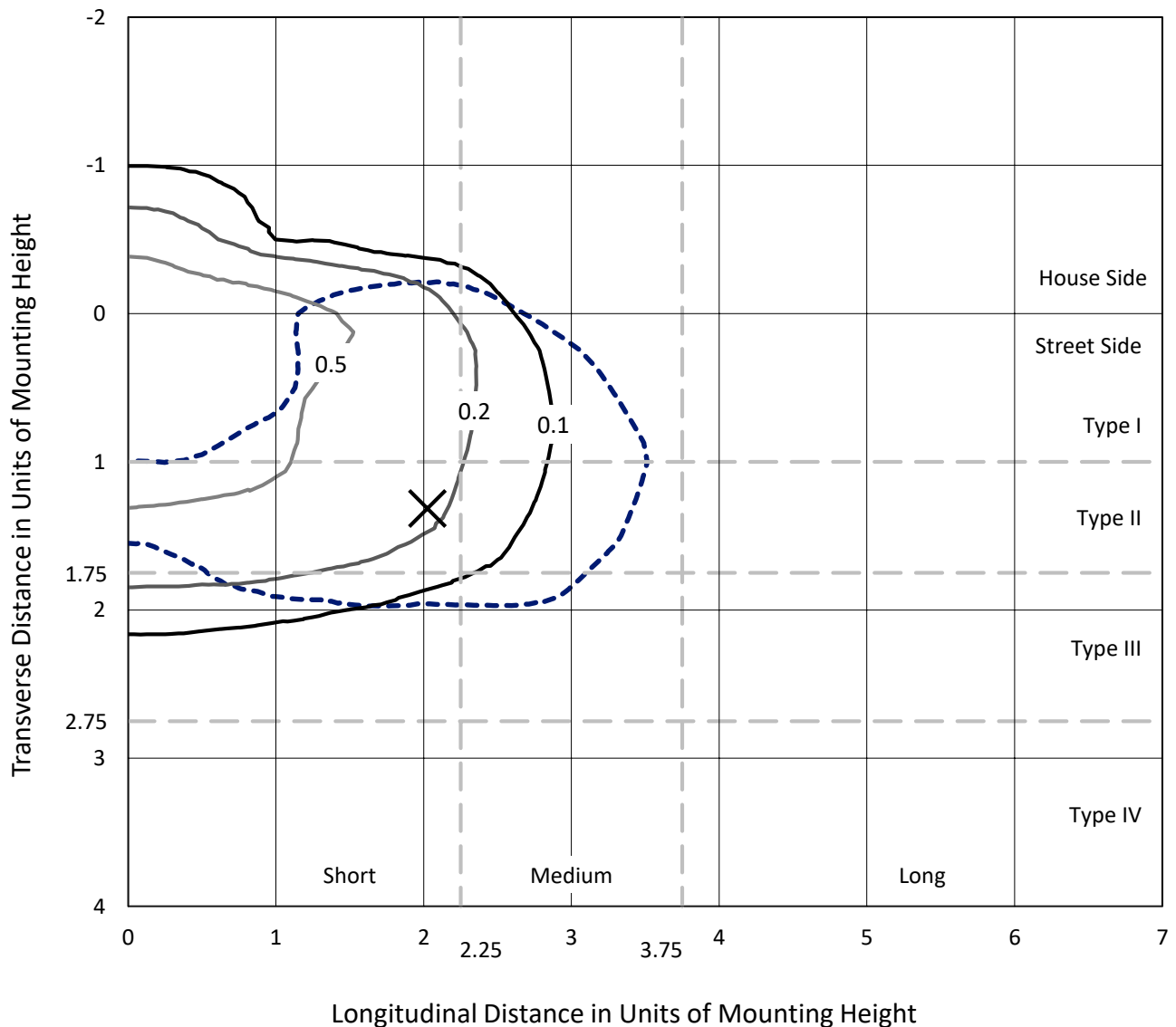


REPORT NUMBER: P271818

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

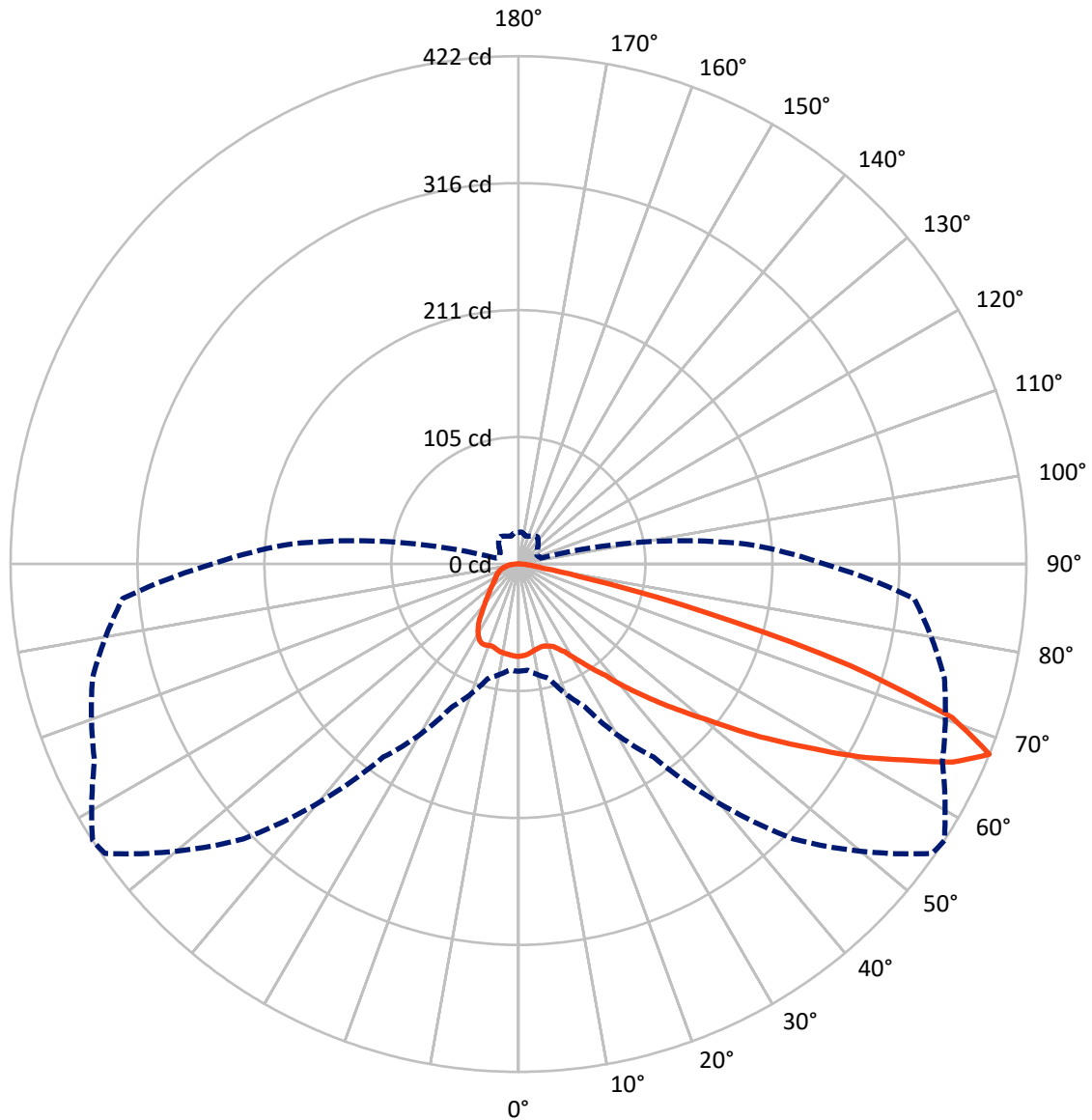


Based on 10 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - Cutoff

REPORT NUMBER: P271818

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| House Side | Lumens | 134.6 | 0.2 | 134.8 |
| | % Fixture | 23.3 | 0.0 | 23.3 |
| Street Side | Lumens | 443.7 | 0.0 | 443.8 |
| | % Fixture | 76.7 | 0.0 | 76.7 |
| Total | Lumens | 578.4 | 0.2 | 578.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 7.2 | 1.2 |
| 10°-20° | 20.6 | 3.6 |
| 20°-30° | 35.5 | 6.1 |
| 30°-40° | 57.7 | 10.0 |
| 40°-50° | 93.0 | 16.1 |
| 50°-60° | 138.7 | 24.0 |
| 60°-70° | 156.2 | 27.0 |
| 70°-80° | 60.2 | 10.4 |
| 80°-90° | 9.3 | 1.6 |
| 90°-100° | 0.2 | 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° | 578.4 | 100.0 |
| 0°-180° | 578.6 | 100.0 |



REPORT NUMBER: P271818

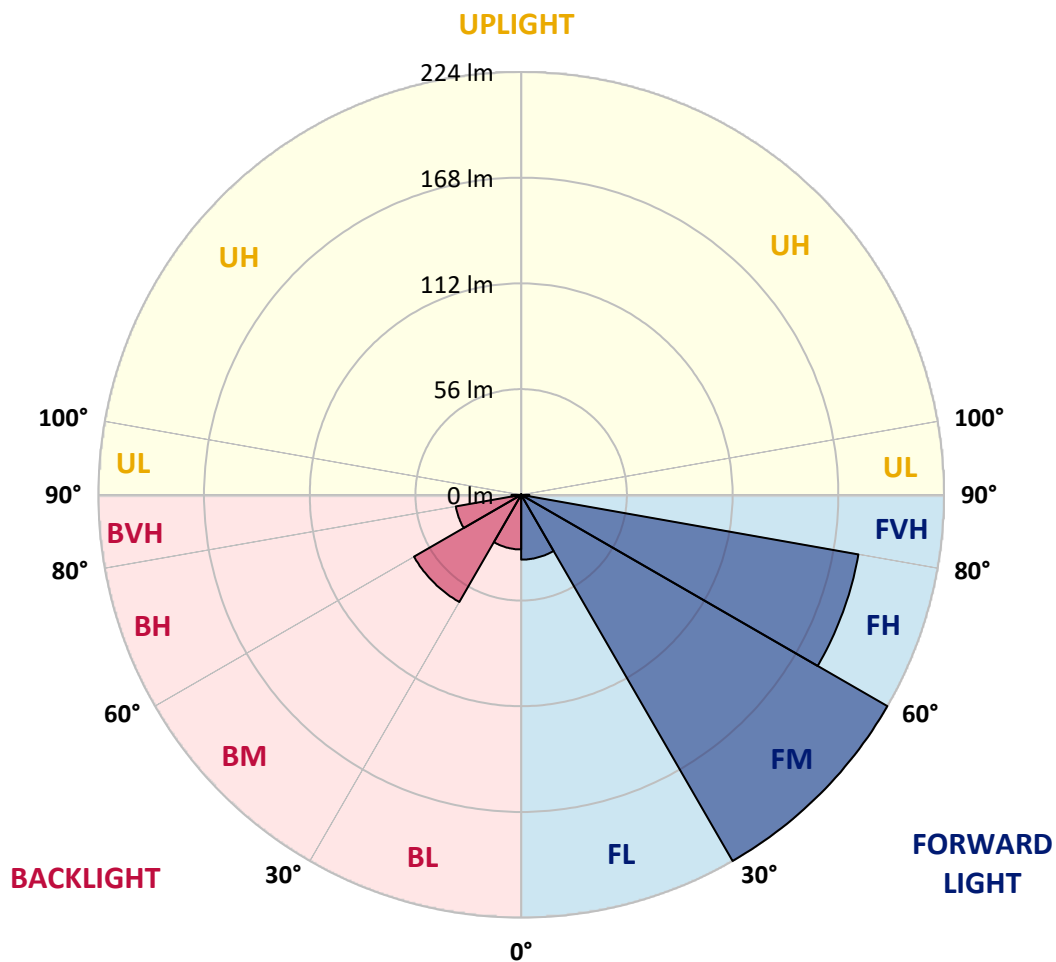
CATALOG NUMBER: ISW-AF-XXX-LED-E1-T3-7027-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 34.3 | 5.9 | | | |
| FM | (30°-60°) | 223.8 | 38.7 | | | |
| FH | (60°-80°) | 181.3 | 31.3 | | | G0/660 |
| FVH | (80°-90°) | 4.3 | 0.7 | | | G0/10 |
| BL | (0°-30°) | 28.9 | 5.0 | B0/110 | | |
| BM | (30°-60°) | 65.5 | 11.3 | B0/220 | | |
| BH | (60°-80°) | 35.1 | 6.1 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 5.0 | 0.9 | | | G0/10 |
| UL | (90°-100°) | 0.2 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 0.2 | 0.0 | | U1/10 | |

BUG Rating: B0-U1-G0

Type III Short





REPORT NUMBER: P271818

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T3-7027-XXB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 2.5° | 76.1 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.3 |
| 5° | 74.8 | 74.9 | 75.0 | 75.2 | 75.4 | 75.5 | 75.5 | 75.5 | 75.6 | 75.5 | 75.4 |
| 7.5° | 73.0 | 73.1 | 73.4 | 73.4 | 73.6 | 73.9 | 74.1 | 74.2 | 74.5 | 74.5 | 74.4 |
| 10° | 72.4 | 72.4 | 72.4 | 72.1 | 72.3 | 72.4 | 72.7 | 72.7 | 73.3 | 73.6 | 73.8 |
| 12.5° | 73.1 | 73.0 | 73.0 | 72.3 | 71.8 | 71.4 | 71.8 | 71.9 | 72.5 | 73.1 | 73.4 |
| 15° | 74.6 | 74.6 | 74.4 | 73.4 | 72.2 | 71.3 | 71.2 | 71.2 | 71.9 | 72.5 | 73.1 |
| 17.5° | 78.2 | 78.4 | 77.3 | 75.6 | 73.8 | 72.2 | 71.7 | 71.5 | 72.0 | 72.5 | 73.1 |
| 20° | 84.8 | 84.7 | 82.9 | 80.1 | 76.7 | 74.2 | 72.9 | 72.7 | 72.5 | 72.9 | 73.6 |
| 22.5° | 92.7 | 92.4 | 90.3 | 86.8 | 82.1 | 77.5 | 74.8 | 74.4 | 73.8 | 74.0 | 74.9 |
| 25° | 101.3 | 101.4 | 98.8 | 94.1 | 88.3 | 82.8 | 78.6 | 78.2 | 76.9 | 76.6 | 77.6 |
| 27.5° | 109.9 | 110.9 | 107.4 | 102.9 | 96.1 | 89.5 | 83.5 | 82.8 | 81.7 | 81.2 | 82.3 |
| 30° | 122.3 | 121.9 | 117.6 | 111.7 | 104.9 | 96.6 | 90.8 | 89.8 | 87.3 | 87.9 | 89.0 |
| 32.5° | 132.9 | 133.8 | 129.9 | 123.0 | 113.9 | 105.2 | 98.5 | 97.9 | 95.5 | 96.2 | 97.7 |
| 35° | 145.9 | 148.0 | 142.8 | 134.4 | 125.7 | 116.6 | 108.5 | 107.2 | 105.2 | 106.6 | 107.8 |
| 37.5° | 160.5 | 161.7 | 157.7 | 146.7 | 137.8 | 128.5 | 119.3 | 117.2 | 115.1 | 117.8 | 119.9 |
| 40° | 174.6 | 176.3 | 171.1 | 162.0 | 151.6 | 142.7 | 132.7 | 132.2 | 127.4 | 130.3 | 135.8 |
| 42.5° | 195.5 | 197.6 | 189.5 | 178.7 | 169.4 | 158.6 | 149.0 | 146.7 | 141.4 | 145.7 | 154.9 |
| 45° | 210.0 | 210.0 | 204.4 | 195.5 | 189.8 | 179.3 | 166.5 | 163.7 | 158.0 | 163.7 | 176.0 |
| 47.5° | 215.3 | 216.6 | 214.7 | 213.5 | 211.6 | 203.9 | 184.9 | 182.4 | 177.1 | 185.5 | 196.9 |
| 50° | 223.2 | 222.8 | 222.8 | 229.6 | 235.3 | 233.6 | 206.6 | 203.1 | 197.4 | 207.6 | 223.8 |
| 52.5° | 225.1 | 222.2 | 226.8 | 239.7 | 258.0 | 259.3 | 231.9 | 229.9 | 223.2 | 233.0 | 253.1 |
| 55° | 219.5 | 218.7 | 226.2 | 244.9 | 273.7 | 283.3 | 261.0 | 258.4 | 250.8 | 259.3 | 284.7 |
| 57.5° | 207.0 | 208.9 | 220.9 | 243.8 | 284.7 | 304.4 | 293.2 | 289.3 | 278.5 | 283.5 | 316.0 |
| 60° | 193.9 | 194.8 | 210.7 | 239.8 | 287.5 | 319.1 | 326.9 | 324.6 | 306.1 | 309.2 | 339.2 |
| 62.5° | 179.2 | 177.1 | 193.5 | 236.7 | 284.3 | 339.3 | 359.6 | 357.9 | 336.0 | 335.0 | 355.7 |
| 65° | 138.5 | 141.6 | 155.6 | 195.7 | 261.9 | 355.0 | 398.6 | 396.3 | 369.2 | 356.4 | 353.9 |
| 67.5° | 89.0 | 88.4 | 98.3 | 130.8 | 195.7 | 322.7 | 418.9 | 421.5 | 388.2 | 366.0 | 329.7 |
| 70° | 31.9 | 32.9 | 36.5 | 59.4 | 107.3 | 215.1 | 369.3 | 381.8 | 374.2 | 348.0 | 268.3 |
| 72.5° | 19.4 | 19.4 | 22.1 | 26.7 | 43.5 | 102.0 | 263.2 | 288.0 | 305.4 | 286.8 | 198.2 |
| 75° | 15.2 | 15.2 | 16.1 | 18.4 | 23.4 | 33.5 | 140.0 | 159.0 | 195.9 | 198.1 | 112.7 |
| 77.5° | 12.0 | 11.9 | 12.8 | 14.0 | 17.4 | 17.7 | 44.6 | 58.2 | 89.9 | 84.6 | 40.3 |
| 80° | 9.7 | 9.6 | 10.3 | 10.6 | 12.8 | 12.3 | 18.0 | 20.8 | 31.5 | 27.7 | 17.4 |
| 82.5° | 8.8 | 8.8 | 9.4 | 8.2 | 8.9 | 8.6 | 11.2 | 11.9 | 15.8 | 16.3 | 10.5 |
| 85° | 5.7 | 5.9 | 8.9 | 7.8 | 5.7 | 5.3 | 7.2 | 7.5 | 9.9 | 10.8 | 5.1 |
| 87.5° | 2.7 | 3.0 | 6.7 | 6.6 | 3.9 | 2.9 | 4.0 | 4.3 | 5.4 | 6.6 | 3.1 |
| 90° | 0.4 | 0.4 | 0.9 | 0.9 | 0.4 | 0.4 | 0.7 | 0.6 | 0.6 | 0.9 | 0.9 |
| 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: P271818

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T3-7027-XXB

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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: P271818

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T3-7027-XXB

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 0° | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 2.5° | 76.5 | 76.4 | 76.4 | 76.5 | 76.5 | 76.9 | 77.0 | 77.0 | 77.0 | 76.9 | 77.1 |
| 5° | 75.5 | 75.4 | 75.4 | 75.6 | 76.0 | 76.3 | 76.7 | 77.2 | 77.3 | 77.4 | 77.4 |
| 7.5° | 74.6 | 74.4 | 74.5 | 74.9 | 75.4 | 75.5 | 76.1 | 76.4 | 77.1 | 77.1 | 77.2 |
| 10° | 73.9 | 74.1 | 74.2 | 74.6 | 74.9 | 74.9 | 74.8 | 74.6 | 74.5 | 74.9 | 74.8 |
| 12.5° | 73.5 | 73.8 | 73.6 | 74.2 | 74.3 | 73.6 | 72.7 | 71.3 | 71.1 | 71.3 | 71.4 |
| 15° | 73.3 | 73.3 | 73.6 | 73.6 | 72.8 | 71.3 | 70.2 | 70.2 | 70.3 | 70.9 | 70.9 |
| 17.5° | 73.3 | 73.4 | 73.6 | 73.0 | 71.4 | 70.2 | 70.1 | 69.8 | 68.9 | 68.6 | 68.5 |
| 20° | 73.9 | 73.8 | 73.9 | 72.9 | 71.4 | 70.6 | 68.6 | 66.7 | 65.0 | 64.3 | 63.9 |
| 22.5° | 75.4 | 75.1 | 75.0 | 73.9 | 72.2 | 69.1 | 65.4 | 62.5 | 59.5 | 58.5 | 58.2 |
| 25° | 77.8 | 77.7 | 77.2 | 76.4 | 71.8 | 65.7 | 60.9 | 56.4 | 53.1 | 51.3 | 51.5 |
| 27.5° | 82.3 | 82.3 | 81.9 | 78.6 | 69.1 | 61.4 | 55.0 | 50.3 | 47.0 | 45.4 | 45.1 |
| 30° | 89.0 | 89.1 | 89.3 | 79.2 | 65.0 | 55.2 | 48.4 | 45.4 | 43.3 | 42.1 | 42.0 |
| 32.5° | 97.3 | 98.3 | 97.2 | 78.5 | 59.4 | 47.5 | 43.3 | 42.2 | 41.2 | 40.4 | 40.3 |
| 35° | 108.2 | 110.9 | 103.9 | 75.9 | 53.1 | 42.3 | 40.2 | 39.4 | 38.6 | 38.1 | 38.2 |
| 37.5° | 123.0 | 125.4 | 108.2 | 71.3 | 45.1 | 39.3 | 38.4 | 37.3 | 36.1 | 34.9 | 34.7 |
| 40° | 140.5 | 139.7 | 109.8 | 62.7 | 40.1 | 38.0 | 36.7 | 35.2 | 33.1 | 31.4 | 31.0 |
| 42.5° | 157.9 | 152.8 | 108.5 | 52.2 | 36.8 | 36.7 | 34.9 | 33.0 | 31.0 | 29.5 | 29.5 |
| 45° | 177.3 | 164.4 | 104.7 | 42.3 | 34.1 | 35.3 | 33.1 | 31.2 | 29.4 | 28.2 | 28.0 |
| 47.5° | 195.8 | 175.2 | 98.3 | 35.2 | 31.6 | 33.6 | 31.8 | 30.0 | 28.3 | 27.2 | 26.9 |
| 50° | 217.5 | 187.6 | 93.4 | 30.5 | 29.0 | 31.8 | 31.1 | 29.5 | 27.8 | 26.6 | 26.4 |
| 52.5° | 239.3 | 199.5 | 89.7 | 27.2 | 26.8 | 30.5 | 30.7 | 29.7 | 27.9 | 25.7 | 25.5 |
| 55° | 262.1 | 214.5 | 82.4 | 24.6 | 24.8 | 29.6 | 31.2 | 30.5 | 29.1 | 25.5 | 25.3 |
| 57.5° | 281.3 | 228.3 | 69.5 | 22.9 | 23.2 | 28.7 | 31.4 | 29.9 | 28.5 | 25.6 | 25.4 |
| 60° | 296.4 | 237.8 | 50.9 | 21.5 | 21.8 | 27.8 | 30.6 | 28.2 | 26.3 | 25.6 | 25.2 |
| 62.5° | 301.0 | 238.1 | 33.9 | 19.8 | 20.8 | 26.5 | 29.3 | 27.2 | 25.1 | 25.4 | 25.2 |
| 65° | 289.4 | 225.6 | 24.3 | 18.1 | 19.8 | 24.8 | 28.7 | 26.3 | 24.4 | 25.8 | 25.6 |
| 67.5° | 253.8 | 190.0 | 19.4 | 16.9 | 18.5 | 23.1 | 27.6 | 25.5 | 24.0 | 26.7 | 26.2 |
| 70° | 197.8 | 136.4 | 16.5 | 15.7 | 17.2 | 21.4 | 26.1 | 24.5 | 23.3 | 26.1 | 25.3 |
| 72.5° | 130.3 | 80.3 | 14.6 | 14.6 | 15.6 | 19.9 | 24.3 | 23.7 | 22.2 | 23.5 | 22.5 |
| 75° | 68.0 | 37.2 | 12.7 | 13.1 | 13.8 | 18.7 | 22.9 | 22.2 | 20.5 | 21.0 | 20.8 |
| 77.5° | 26.7 | 17.4 | 11.0 | 11.6 | 12.4 | 16.9 | 20.9 | 20.3 | 18.9 | 18.4 | 18.3 |
| 80° | 14.6 | 11.8 | 9.2 | 9.9 | 10.4 | 15.2 | 19.0 | 18.1 | 16.7 | 16.3 | 16.2 |
| 82.5° | 9.3 | 7.6 | 7.5 | 8.1 | 8.7 | 13.5 | 17.0 | 15.8 | 14.6 | 17.2 | 13.9 |
| 85° | 4.3 | 4.5 | 5.4 | 6.0 | 6.7 | 11.5 | 14.8 | 13.6 | 12.4 | 11.9 | 10.6 |
| 87.5° | 2.4 | 3.1 | 3.5 | 4.1 | 4.7 | 8.1 | 11.8 | 10.6 | 9.3 | 7.8 | 8.2 |
| 90° | 0.6 | 0.6 | 1.0 | 0.9 | 1.0 | 1.2 | 5.7 | 5.2 | 4.6 | 2.2 | 1.4 |
| 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: P271818

CATALOG NUMBER: ISW-AF-XXX-LED-E1-T3-7027-XXB

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 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 |

(END OF REPORT)