

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: P227235

Luminaire Tested: **IST-AF-XXX-LED-E1-SLL-8030-XXB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-XXX-LED-E1-SLL-8030-XXB
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE, EMERGENCY MODE WITH BATTERY
BACKPACK BOX
LIGHT SQUARE WITH ACCUED OPTICS-90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 467.6 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U1 - G1

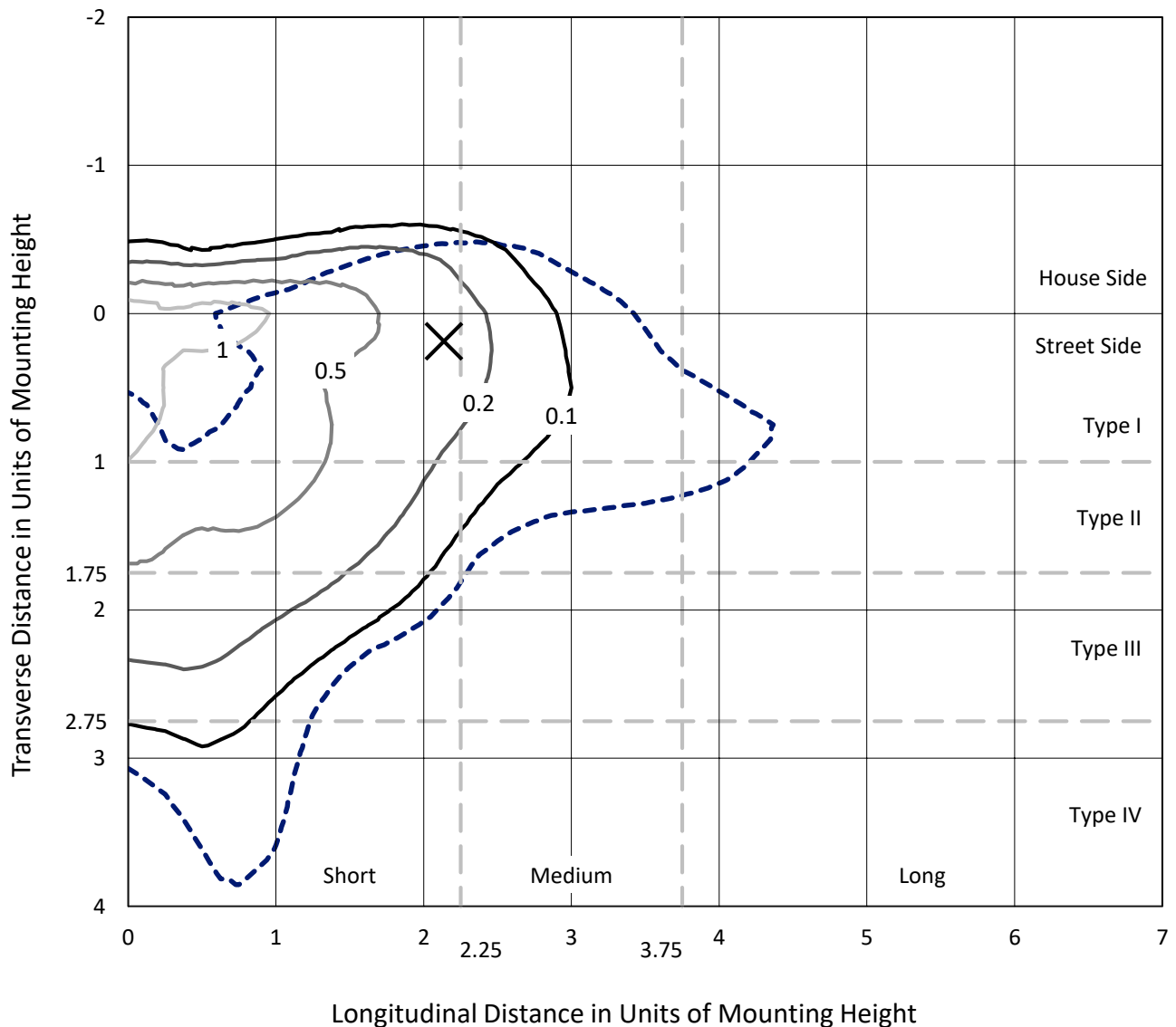
Input Watts (W): 13
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

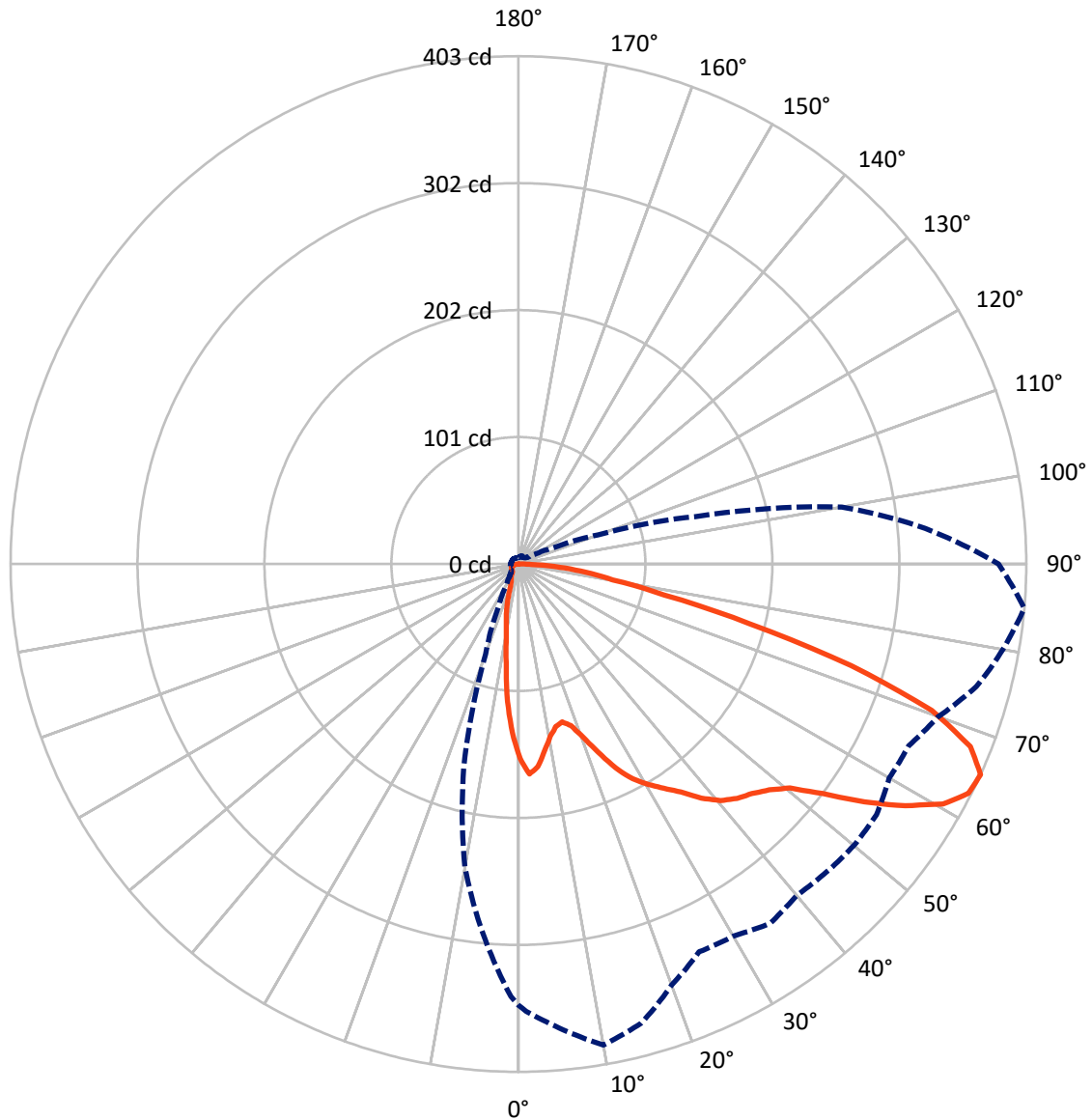
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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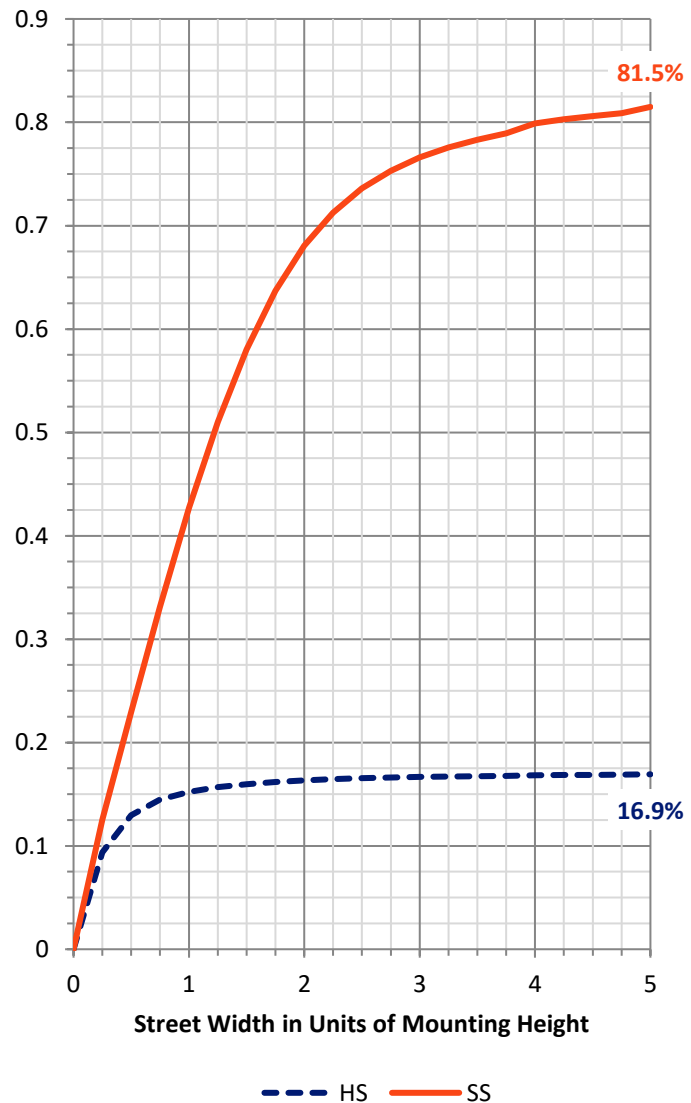
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| House Side | Lumens | 80.2 | 0.0 | 80.2 |
| | % Fixture | 17.2 | 0.0 | 17.2 |
| Street Side | Lumens | 387.4 | 0.0 | 387.4 |
| | % Fixture | 82.8 | 0.0 | 82.8 |
| Total | Lumens | 467.6 | 0.0 | 467.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.4 | 2.4 |
| 10°-20° | 22.0 | 4.7 |
| 20°-30° | 31.4 | 6.7 |
| 30°-40° | 45.6 | 9.7 |
| 40°-50° | 65.2 | 13.9 |
| 50°-60° | 100.1 | 21.4 |
| 60°-70° | 115.8 | 24.8 |
| 70°-80° | 59.1 | 12.6 |
| 80°-90° | 17.1 | 3.6 |
| 90°-100° | 0.0 | 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° | 467.6 | 100.0 |
| 0°-180° | 467.6 | 100.0 |



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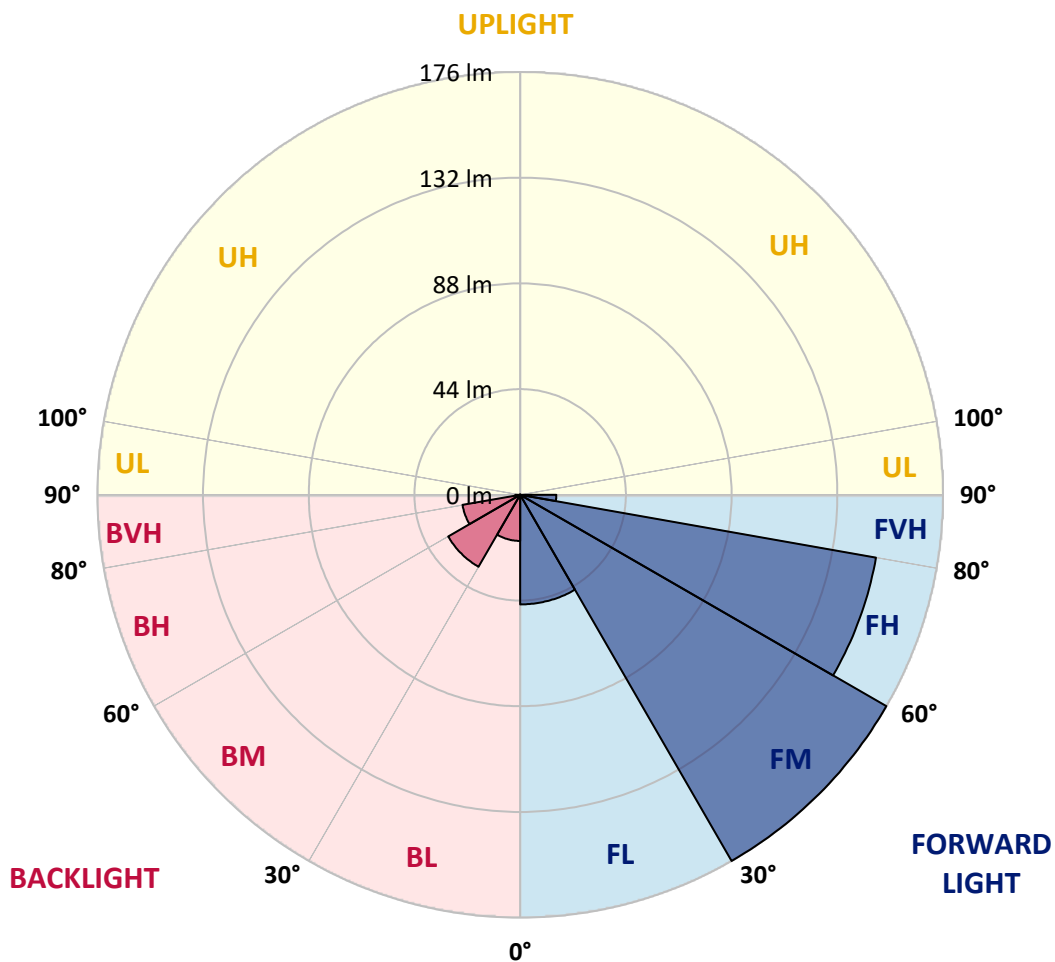
CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 45.7 | 9.8 | | | |
| FM | (30°-60°) | 176.2 | 37.7 | | | |
| FH | (60°-80°) | 150.5 | 32.2 | | | G0/660 |
| FVH | (80°-90°) | 15.1 | 3.2 | | | G1/100 |
| BL | (0°-30°) | 19.2 | 4.1 | B0/110 | | |
| BM | (30°-60°) | 34.6 | 7.4 | B0/220 | | |
| BH | (60°-80°) | 24.4 | 5.2 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 2.0 | 0.4 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U1/10 | |

BUG Rating: B0-U1-G1

Type IV Short





REPORT NUMBER: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 |
| 2.5° | 159.9 | 160.1 | 162.3 | 164.4 | 167.1 | 166.7 | 168.9 | 170.5 | 172.0 | 172.3 | 173.4 |
| 5° | 150.2 | 151.7 | 156.7 | 160.9 | 166.3 | 170.5 | 175.0 | 178.5 | 181.1 | 183.5 | 183.8 |
| 7.5° | 136.5 | 137.6 | 143.4 | 150.1 | 157.8 | 163.3 | 170.1 | 176.0 | 180.1 | 184.1 | 184.9 |
| 10° | 124.7 | 125.8 | 132.2 | 140.9 | 147.6 | 154.8 | 161.8 | 166.6 | 172.0 | 175.4 | 177.1 |
| 12.5° | 119.1 | 120.4 | 126.5 | 134.3 | 141.3 | 148.2 | 153.5 | 157.6 | 160.7 | 161.3 | 161.8 |
| 15° | 121.3 | 122.0 | 128.7 | 135.7 | 141.2 | 144.7 | 146.1 | 148.6 | 148.4 | 149.6 | 149.8 |
| 17.5° | 130.2 | 129.9 | 136.9 | 141.8 | 144.5 | 144.1 | 141.9 | 140.6 | 138.2 | 137.5 | 139.5 |
| 20° | 145.4 | 146.5 | 151.1 | 154.1 | 151.3 | 145.0 | 138.9 | 134.7 | 131.4 | 130.3 | 130.1 |
| 22.5° | 163.3 | 164.7 | 169.7 | 168.1 | 161.1 | 149.5 | 138.4 | 131.7 | 127.7 | 126.5 | 126.0 |
| 25° | 182.0 | 183.0 | 185.5 | 180.1 | 170.3 | 155.2 | 141.7 | 132.4 | 126.9 | 125.2 | 125.0 |
| 27.5° | 197.1 | 198.1 | 196.9 | 190.8 | 176.5 | 161.7 | 146.3 | 135.2 | 128.1 | 126.4 | 125.6 |
| 30° | 209.5 | 210.0 | 206.0 | 198.4 | 184.2 | 168.8 | 152.3 | 140.2 | 131.9 | 128.0 | 127.4 |
| 32.5° | 223.4 | 223.0 | 215.4 | 204.9 | 190.8 | 175.3 | 159.1 | 145.8 | 135.5 | 130.7 | 129.9 |
| 35° | 238.5 | 235.8 | 222.3 | 211.2 | 195.3 | 180.2 | 165.3 | 151.7 | 141.3 | 135.0 | 133.9 |
| 37.5° | 252.1 | 249.2 | 231.2 | 216.3 | 199.7 | 184.1 | 170.2 | 159.3 | 150.2 | 144.4 | 143.9 |
| 40° | 262.6 | 259.2 | 238.0 | 219.7 | 201.9 | 186.9 | 176.0 | 168.9 | 162.9 | 158.2 | 158.2 |
| 42.5° | 271.1 | 267.3 | 244.6 | 223.6 | 203.9 | 191.2 | 185.6 | 183.1 | 181.9 | 179.3 | 180.2 |
| 45° | 279.3 | 275.5 | 250.0 | 226.1 | 208.3 | 199.7 | 200.4 | 202.6 | 206.4 | 204.9 | 206.2 |
| 47.5° | 287.1 | 283.3 | 256.2 | 230.1 | 216.8 | 214.8 | 218.9 | 227.4 | 234.8 | 240.6 | 244.7 |
| 50° | 300.2 | 295.7 | 267.2 | 241.9 | 230.2 | 231.2 | 243.0 | 259.7 | 271.8 | 277.1 | 276.8 |
| 52.5° | 325.0 | 318.6 | 290.9 | 264.0 | 249.3 | 255.0 | 268.9 | 289.9 | 305.7 | 309.8 | 311.5 |
| 55° | 355.3 | 350.2 | 325.1 | 293.2 | 282.5 | 284.5 | 301.8 | 325.6 | 337.7 | 342.0 | 343.4 |
| 57.5° | 373.0 | 371.7 | 356.0 | 324.4 | 314.1 | 313.3 | 335.9 | 355.3 | 365.8 | 369.9 | 368.6 |
| 59° | 377.2 | 377.6 | 368.6 | 346.5 | 332.4 | 330.6 | 353.6 | 371.6 | 380.4 | 381.6 | 381.0 |
| 60° | 376.8 | 379.0 | 377.9 | 358.6 | 343.9 | 341.7 | 361.1 | 378.2 | 385.6 | 387.5 | 385.3 |
| 62.5° | 368.7 | 372.5 | 383.0 | 380.9 | 370.1 | 358.9 | 368.0 | 380.4 | 385.2 | 383.3 | 381.6 |
| 65° | 350.3 | 355.3 | 369.8 | 387.9 | 377.5 | 355.8 | 339.8 | 341.2 | 348.4 | 343.7 | 346.0 |
| 67.5° | 318.5 | 324.2 | 331.9 | 373.0 | 357.9 | 321.4 | 293.9 | 280.5 | 277.1 | 281.7 | 288.9 |
| 70° | 259.1 | 262.8 | 282.3 | 340.4 | 314.3 | 264.2 | 229.7 | 211.8 | 205.8 | 216.3 | 223.7 |
| 72.5° | 182.7 | 188.3 | 214.0 | 281.7 | 258.5 | 211.6 | 173.8 | 157.3 | 151.3 | 151.8 | 158.3 |
| 75° | 111.2 | 118.7 | 149.5 | 222.7 | 203.8 | 162.1 | 132.5 | 120.6 | 118.8 | 117.7 | 116.6 |
| 77.5° | 73.3 | 76.2 | 98.3 | 153.7 | 137.4 | 115.3 | 99.4 | 104.3 | 109.7 | 110.9 | 112.3 |
| 80° | 49.7 | 50.6 | 63.7 | 107.8 | 90.5 | 85.2 | 80.4 | 91.8 | 102.2 | 104.0 | 103.0 |
| 82.5° | 30.6 | 33.2 | 44.5 | 72.7 | 72.2 | 69.6 | 63.5 | 72.5 | 79.3 | 80.5 | 82.6 |
| 85° | 10.6 | 11.1 | 27.3 | 64.2 | 73.3 | 74.1 | 52.3 | 41.3 | 46.4 | 45.6 | 32.7 |
| 87.5° | 4.6 | 5.1 | 8.5 | 43.0 | 49.7 | 41.1 | 23.9 | 21.2 | 16.4 | 9.2 | 8.9 |
| 90° | 0.3 | 0.3 | 0.2 | 0.4 | 1.2 | 0.8 | 0.7 | 0.2 | 0.0 | 0.0 | 0.0 |
| 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 |



REPORT NUMBER: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| | 0° | 1° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 |
| 2.5° | 173.1 | 172.1 | 172.7 | 171.9 | 170.5 | 169.5 | 168.4 | 167.0 | 165.3 | 163.1 | 160.9 |
| 5° | 183.1 | 182.3 | 180.4 | 177.5 | 173.6 | 170.3 | 166.4 | 161.7 | 157.9 | 152.9 | 148.3 |
| 7.5° | 184.0 | 182.7 | 179.1 | 173.8 | 167.8 | 161.7 | 157.0 | 149.5 | 144.6 | 136.7 | 131.4 |
| 10° | 176.1 | 176.2 | 172.6 | 167.6 | 161.3 | 154.1 | 147.4 | 139.1 | 132.0 | 124.0 | 115.1 |
| 12.5° | 164.6 | 165.7 | 165.8 | 161.4 | 155.3 | 147.6 | 140.2 | 132.3 | 123.4 | 114.8 | 106.7 |
| 15° | 151.4 | 154.6 | 154.8 | 153.7 | 150.5 | 144.0 | 137.2 | 130.1 | 121.0 | 111.7 | 102.5 |
| 17.5° | 139.7 | 142.7 | 145.4 | 148.0 | 148.1 | 145.0 | 140.9 | 134.8 | 125.8 | 114.7 | 104.0 |
| 20° | 130.8 | 134.0 | 138.7 | 143.4 | 148.5 | 150.1 | 150.4 | 146.5 | 136.9 | 123.4 | 108.9 |
| 22.5° | 127.1 | 130.9 | 135.7 | 144.4 | 153.5 | 159.1 | 162.2 | 162.2 | 152.0 | 136.3 | 116.9 |
| 25° | 126.3 | 129.4 | 136.7 | 147.6 | 159.7 | 169.4 | 175.4 | 179.4 | 172.1 | 152.9 | 126.9 |
| 27.5° | 126.9 | 131.0 | 140.1 | 151.2 | 163.9 | 176.4 | 186.2 | 193.2 | 186.4 | 164.2 | 136.1 |
| 30° | 129.1 | 135.3 | 144.7 | 156.1 | 169.2 | 182.4 | 194.3 | 203.2 | 198.2 | 174.6 | 144.8 |
| 32.5° | 132.9 | 140.5 | 151.1 | 161.5 | 174.5 | 188.8 | 200.5 | 212.3 | 208.6 | 181.7 | 149.5 |
| 35° | 138.7 | 147.6 | 157.2 | 167.7 | 180.1 | 194.5 | 207.0 | 222.3 | 221.0 | 190.7 | 154.1 |
| 37.5° | 148.0 | 157.1 | 166.0 | 175.0 | 186.8 | 200.7 | 216.3 | 235.9 | 234.8 | 204.0 | 161.6 |
| 40° | 164.3 | 169.7 | 176.3 | 182.0 | 193.1 | 206.4 | 223.1 | 247.0 | 251.0 | 215.4 | 168.2 |
| 42.5° | 184.6 | 187.8 | 189.7 | 191.2 | 196.9 | 209.4 | 228.1 | 254.5 | 261.0 | 223.9 | 173.3 |
| 45° | 210.5 | 209.6 | 205.8 | 202.2 | 201.6 | 211.2 | 230.4 | 260.0 | 268.8 | 232.2 | 178.5 |
| 47.5° | 241.1 | 239.1 | 228.8 | 216.9 | 210.3 | 214.3 | 234.4 | 268.1 | 278.5 | 243.0 | 184.9 |
| 50° | 276.5 | 271.7 | 254.8 | 234.8 | 222.6 | 223.2 | 244.5 | 279.4 | 291.3 | 257.2 | 197.0 |
| 52.5° | 309.2 | 300.6 | 280.6 | 254.0 | 236.6 | 238.7 | 262.8 | 302.7 | 317.4 | 280.6 | 217.2 |
| 55° | 338.1 | 327.1 | 305.4 | 276.4 | 260.6 | 264.3 | 292.0 | 333.5 | 347.5 | 308.6 | 237.7 |
| 57.5° | 362.7 | 350.9 | 329.6 | 304.0 | 284.3 | 287.4 | 318.0 | 362.2 | 371.5 | 333.7 | 257.3 |
| 59° | 373.8 | 362.3 | 342.6 | 319.0 | 300.6 | 307.0 | 336.4 | 376.4 | 380.4 | 343.4 | 264.7 |
| 60° | 379.3 | 367.7 | 350.4 | 327.3 | 310.5 | 319.0 | 346.2 | 387.2 | 383.7 | 344.8 | 267.6 |
| 62.5° | 378.9 | 370.8 | 359.3 | 343.6 | 340.5 | 354.7 | 377.9 | 401.1 | 386.0 | 340.7 | 269.4 |
| 65° | 347.8 | 347.1 | 340.0 | 341.8 | 354.6 | 376.5 | 390.7 | 403.3 | 381.3 | 324.4 | 260.7 |
| 67.5° | 290.1 | 293.0 | 293.9 | 305.0 | 335.0 | 372.2 | 384.7 | 387.1 | 360.8 | 289.5 | 233.5 |
| 70° | 224.0 | 217.5 | 228.2 | 247.7 | 291.0 | 338.8 | 356.6 | 348.1 | 318.7 | 242.5 | 190.7 |
| 72.5° | 158.6 | 160.5 | 175.7 | 201.2 | 245.2 | 294.7 | 322.6 | 276.2 | 239.8 | 181.5 | 135.2 |
| 75° | 119.3 | 128.2 | 135.6 | 157.9 | 199.1 | 252.5 | 275.5 | 189.9 | 156.2 | 125.1 | 88.5 |
| 77.5° | 114.4 | 113.6 | 108.0 | 112.7 | 143.5 | 176.8 | 196.5 | 118.5 | 97.8 | 81.8 | 53.4 |
| 80° | 105.7 | 99.6 | 89.3 | 84.8 | 90.4 | 113.6 | 124.7 | 76.2 | 65.1 | 57.2 | 30.1 |
| 82.5° | 82.0 | 77.9 | 67.1 | 66.7 | 75.4 | 80.7 | 85.8 | 54.0 | 49.0 | 46.4 | 18.5 |
| 85° | 52.0 | 53.4 | 54.8 | 66.8 | 83.7 | 84.6 | 66.7 | 32.9 | 25.8 | 36.4 | 11.8 |
| 87.5° | 15.4 | 25.1 | 30.5 | 51.7 | 75.4 | 75.6 | 50.2 | 10.8 | 9.7 | 11.3 | 6.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



REPORT NUMBER: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 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: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 |
| 2.5° | 158.7 | 158.3 | 156.1 | 152.4 | 152.8 | 151.0 | 148.8 | 145.3 | 144.6 | 142.6 | 142.3 |
| 5° | 144.3 | 140.6 | 135.8 | 130.0 | 127.8 | 124.8 | 121.7 | 119.5 | 116.8 | 114.3 | 117.7 |
| 7.5° | 125.2 | 119.8 | 114.2 | 108.1 | 104.5 | 99.6 | 97.0 | 92.0 | 88.3 | 87.6 | 84.7 |
| 10° | 109.2 | 102.4 | 96.0 | 90.5 | 83.9 | 79.3 | 76.0 | 73.3 | 70.8 | 67.7 | 65.8 |
| 12.5° | 98.6 | 90.9 | 84.1 | 77.3 | 74.1 | 70.4 | 68.3 | 65.7 | 62.1 | 59.5 | 57.0 |
| 15° | 93.8 | 85.5 | 78.1 | 72.1 | 67.5 | 64.0 | 60.4 | 57.2 | 53.3 | 50.4 | 47.5 |
| 17.5° | 93.2 | 82.3 | 73.0 | 66.3 | 61.3 | 57.5 | 52.7 | 48.5 | 43.7 | 40.5 | 38.0 |
| 20° | 93.9 | 80.0 | 68.2 | 59.5 | 54.5 | 47.7 | 43.2 | 38.1 | 33.4 | 29.1 | 25.3 |
| 22.5° | 96.7 | 78.7 | 63.6 | 54.0 | 46.5 | 38.8 | 34.0 | 27.5 | 23.5 | 19.4 | 17.9 |
| 25° | 100.6 | 77.9 | 59.6 | 47.9 | 38.5 | 30.9 | 24.3 | 18.9 | 17.1 | 16.1 | 15.5 |
| 27.5° | 104.7 | 76.5 | 55.1 | 42.3 | 32.0 | 22.7 | 18.2 | 15.9 | 15.2 | 14.6 | 14.2 |
| 30° | 107.7 | 73.7 | 49.6 | 36.4 | 25.5 | 19.4 | 16.2 | 14.7 | 14.2 | 13.6 | 13.2 |
| 32.5° | 109.1 | 69.5 | 44.6 | 30.7 | 21.5 | 16.7 | 14.2 | 13.3 | 12.8 | 12.3 | 12.0 |
| 35° | 108.8 | 64.7 | 42.1 | 28.5 | 19.7 | 14.8 | 12.4 | 11.9 | 11.3 | 10.7 | 10.2 |
| 37.5° | 109.1 | 60.3 | 40.1 | 27.9 | 18.9 | 13.4 | 11.3 | 10.9 | 10.5 | 9.9 | 9.4 |
| 40° | 110.0 | 57.8 | 39.2 | 26.8 | 18.3 | 12.8 | 10.5 | 10.1 | 10.0 | 9.4 | 9.0 |
| 42.5° | 110.4 | 58.1 | 38.7 | 25.1 | 16.7 | 12.7 | 10.5 | 9.6 | 9.6 | 9.1 | 8.7 |
| 45° | 109.9 | 59.8 | 39.0 | 24.2 | 15.5 | 11.9 | 11.0 | 9.6 | 9.4 | 9.0 | 8.5 |
| 47.5° | 111.4 | 61.1 | 39.0 | 24.0 | 14.7 | 11.1 | 10.5 | 10.5 | 9.5 | 9.1 | 8.3 |
| 50° | 117.2 | 62.3 | 38.2 | 23.8 | 14.5 | 10.3 | 9.9 | 10.4 | 10.7 | 9.2 | 8.4 |
| 52.5° | 127.5 | 63.7 | 37.4 | 23.4 | 14.2 | 9.7 | 9.2 | 9.8 | 10.9 | 9.7 | 8.4 |
| 55° | 138.0 | 66.4 | 36.8 | 22.7 | 13.7 | 9.3 | 8.3 | 9.4 | 10.0 | 9.6 | 8.3 |
| 57.5° | 149.3 | 69.3 | 36.3 | 21.2 | 12.6 | 8.9 | 8.0 | 8.2 | 9.0 | 9.3 | 8.1 |
| 59° | 152.7 | 70.8 | 35.8 | 20.1 | 11.6 | 8.6 | 7.8 | 7.6 | 8.0 | 8.9 | 7.9 |
| 60° | 155.1 | 70.8 | 35.3 | 19.2 | 11.1 | 8.4 | 7.6 | 7.3 | 7.5 | 9.1 | 8.0 |
| 62.5° | 155.4 | 70.8 | 33.5 | 17.2 | 10.0 | 8.1 | 7.4 | 7.0 | 6.8 | 7.6 | 8.2 |
| 65° | 145.6 | 67.4 | 30.4 | 16.2 | 10.1 | 7.8 | 7.0 | 6.7 | 6.4 | 6.5 | 7.1 |
| 67.5° | 127.3 | 58.9 | 27.1 | 16.4 | 10.6 | 7.6 | 6.7 | 6.4 | 6.1 | 6.0 | 6.2 |
| 70° | 96.3 | 49.0 | 26.1 | 17.0 | 11.1 | 7.4 | 6.2 | 5.9 | 5.7 | 5.7 | 5.7 |
| 72.5° | 66.7 | 40.3 | 25.1 | 17.4 | 11.5 | 7.3 | 5.7 | 5.4 | 5.4 | 5.3 | 5.3 |
| 75° | 43.0 | 29.3 | 20.8 | 14.8 | 10.5 | 6.7 | 5.2 | 4.9 | 4.8 | 4.7 | 4.8 |
| 77.5° | 25.4 | 20.5 | 15.3 | 10.4 | 7.6 | 5.4 | 4.5 | 4.2 | 4.2 | 4.2 | 4.3 |
| 80° | 14.1 | 12.1 | 10.2 | 6.7 | 5.4 | 4.0 | 3.7 | 3.5 | 3.5 | 3.5 | 3.7 |
| 82.5° | 8.4 | 6.7 | 5.7 | 4.2 | 3.7 | 2.8 | 2.8 | 2.6 | 2.7 | 2.8 | 2.9 |
| 85° | 5.5 | 4.2 | 3.5 | 2.8 | 2.5 | 1.8 | 1.6 | 1.7 | 1.7 | 1.9 | 2.0 |
| 87.5° | 3.1 | 2.4 | 1.9 | 1.7 | 1.5 | 0.8 | 0.6 | 0.6 | 0.8 | 0.9 | 1.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



REPORT NUMBER: P227235
 CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 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 | 59° |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° |
| 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: P227235
 NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION:

| 160° | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 110° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 110° | 0.0 |
| 143.4 | 141.1 | 138.7 | 136.9 | 137.6 | 135.0 | 135.3 | 134.6 | 134.3 | 134.1 | 132.5 | 112.5° | 0.0 |
| 113.6 | 114.4 | 110.8 | 111.2 | 112.3 | 109.6 | 107.8 | 110.8 | 110.4 | 107.7 | 109.2 | 115° | 0.0 |
| 81.8 | 82.1 | 80.4 | 76.7 | 76.7 | 78.7 | 79.4 | 80.8 | 81.8 | 85.1 | 83.0 | 117.5° | 0.0 |
| 62.6 | 60.4 | 58.7 | 57.1 | 56.1 | 54.1 | 54.6 | 56.3 | 57.5 | 59.3 | 60.8 | 120° | 0.0 |
| 54.4 | 51.9 | 49.0 | 46.5 | 45.2 | 43.4 | 42.2 | 41.8 | 42.2 | 41.0 | 41.1 | 122.5° | 0.0 |
| 45.2 | 43.0 | 39.7 | 38.4 | 35.9 | 34.5 | 33.7 | 32.7 | 31.9 | 30.2 | 29.5 | 125° | 0.0 |
| 35.0 | 32.1 | 28.8 | 28.8 | 27.0 | 25.8 | 25.5 | 25.3 | 24.8 | 23.9 | 23.1 | 127.5° | 0.0 |
| 23.3 | 21.4 | 19.5 | 18.6 | 18.7 | 18.6 | 18.1 | 18.9 | 18.9 | 19.2 | 19.0 | 130° | 0.0 |
| 17.0 | 16.7 | 16.0 | 15.4 | 15.1 | 15.0 | 15.1 | 15.3 | 15.8 | 16.2 | 16.6 | 132.5° | 0.0 |
| 15.3 | 15.1 | 14.5 | 13.9 | 13.9 | 13.7 | 13.7 | 13.9 | 14.0 | 14.1 | 14.0 | 135° | 0.0 |
| 14.2 | 13.9 | 13.3 | 12.9 | 12.7 | 12.7 | 12.7 | 12.5 | 12.4 | 12.4 | 12.4 | 137.5° | 0.0 |
| 12.8 | 12.6 | 12.0 | 11.7 | 11.6 | 11.6 | 11.4 | 11.3 | 11.2 | 11.3 | 11.2 | 140° | 0.0 |
| 11.8 | 11.5 | 10.9 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.4 | 10.3 | 10.3 | 142.5° | 0.0 |
| 9.9 | 9.8 | 9.3 | 9.1 | 9.2 | 9.4 | 9.4 | 9.4 | 9.5 | 9.4 | 9.4 | 145° | 0.0 |
| 9.2 | 9.1 | 8.6 | 8.2 | 8.1 | 8.1 | 8.1 | 8.3 | 8.5 | 8.6 | 8.7 | 147.5° | 0.0 |
| 8.7 | 8.7 | 8.1 | 7.8 | 7.6 | 7.6 | 7.5 | 7.5 | 7.6 | 7.9 | 8.1 | 150° | 0.0 |
| 8.4 | 8.3 | 7.7 | 7.3 | 7.2 | 7.2 | 7.1 | 7.1 | 7.1 | 7.2 | 7.4 | 152.5° | 0.0 |
| 8.3 | 8.0 | 7.4 | 7.0 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 155° | 0.0 |
| 8.0 | 7.9 | 7.2 | 6.8 | 6.6 | 6.6 | 6.5 | 6.5 | 6.5 | 6.4 | 6.4 | 157.5° | 0.0 |
| 7.9 | 7.7 | 7.1 | 6.6 | 6.5 | 6.4 | 6.3 | 6.4 | 6.2 | 6.1 | 6.1 | 160° | 0.0 |
| 7.8 | 7.5 | 6.8 | 6.4 | 6.3 | 6.1 | 6.1 | 6.1 | 6.1 | 5.9 | 5.9 | 162.5° | 0.0 |
| 7.7 | 7.3 | 6.6 | 6.2 | 6.1 | 5.9 | 5.8 | 5.8 | 6.0 | 5.8 | 5.8 | 165° | 0.0 |
| 7.6 | 7.1 | 6.4 | 5.9 | 5.8 | 5.7 | 5.6 | 5.7 | 5.9 | 5.7 | 5.7 | 167.5° | 0.0 |
| 7.3 | 6.9 | 6.2 | 5.8 | 5.7 | 5.5 | 5.4 | 5.5 | 5.7 | 5.7 | 5.7 | 170° | 0.0 |
| 7.2 | 6.8 | 6.1 | 5.7 | 5.6 | 5.4 | 5.4 | 5.4 | 5.6 | 5.6 | 5.5 | 172.5° | 0.0 |
| 6.9 | 6.6 | 5.9 | 5.4 | 5.3 | 5.3 | 5.2 | 5.2 | 5.3 | 5.3 | 5.4 | 175° | 0.0 |
| 6.6 | 6.5 | 5.7 | 5.2 | 5.1 | 5.0 | 5.0 | 5.0 | 5.0 | 5.2 | 5.2 | 177.5° | 0.0 |
| 6.3 | 6.2 | 5.5 | 5.0 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 5.0 | 5.0 | 180° | 0.0 |
| 5.8 | 5.8 | 5.2 | 4.7 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.7 | | |
| 5.4 | 5.4 | 4.8 | 4.3 | 4.2 | 4.2 | 4.2 | 4.2 | 4.3 | 4.3 | 4.4 | | |
| 4.9 | 5.0 | 4.3 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 4.0 | | |
| 4.4 | 4.4 | 3.7 | 3.2 | 3.3 | 3.4 | 3.5 | 3.4 | 3.4 | 3.5 | 3.7 | | |
| 3.8 | 3.7 | 3.1 | 2.7 | 2.7 | 2.8 | 2.9 | 2.8 | 2.9 | 2.9 | 3.2 | | |
| 3.0 | 3.0 | 2.4 | 2.0 | 2.0 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.7 | | |
| 2.3 | 2.2 | 1.7 | 1.3 | 1.3 | 1.6 | 1.7 | 1.7 | 1.8 | 1.9 | 2.0 | | |
| 1.3 | 1.3 | 0.9 | 0.6 | 0.6 | 0.7 | 0.9 | 0.9 | 0.9 | 1.1 | 1.3 | | |
| 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |

'227235
 IST-AF-XXX-LED-E1-SLL-8030-XXB

REPORT NUMBER: P227235
 CATALOG NUMBER: IST-AF-XX

TION (continued):

CANDELA DISTRIBUTION (con

| 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | | 215° | 220° |
|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 154.5 | 154.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 133.9 | 133.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 109.9 | 109.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 85.2 | 87.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 61.4 | 63.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 42.7 | 43.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 29.4 | 31.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 22.9 | 23.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 18.9 | 19.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 16.8 | 17.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 14.1 | 14.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 12.4 | 12.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 11.4 | 11.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 10.4 | 10.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 9.5 | 9.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 8.9 | 9.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 8.3 | 8.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 7.6 | 7.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 6.8 | 6.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 6.4 | 6.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 6.1 | 6.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 5.9 | 6.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 5.8 | 6.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 5.8 | 5.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59° | 5.7 | 5.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 5.7 | 5.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 5.5 | 5.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 5.4 | 5.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 5.1 | 5.4 |
| | | | | | | | | | | 70° | 4.9 | 5.1 |
| | | | | | | | | | | 72.5° | 4.6 | 4.9 |
| | | | | | | | | | | 75° | 4.2 | 4.5 |
| | | | | | | | | | | 77.5° | 3.9 | 4.1 |
| | | | | | | | | | | 80° | 3.4 | 3.5 |
| | | | | | | | | | | 82.5° | 2.8 | 2.8 |
| | | | | | | | | | | 85° | 2.1 | 1.9 |
| | | | | | | | | | | 87.5° | 1.2 | 1.3 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 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: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-X

SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | | 270° | 275° | 280° | 285° |
|------|------|------|------|------|------|------|------|--------|-------|-------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 154.5 | 154.5 | 154.5 | 154.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 132.7 | 135.6 | 136.0 | 136.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 109.1 | 112.0 | 110.3 | 111.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 79.6 | 77.8 | 80.2 | 81.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 58.2 | 60.4 | 61.3 | 63.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 48.2 | 49.7 | 51.4 | 54.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 39.1 | 40.1 | 42.3 | 45.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 28.5 | 30.0 | 31.4 | 33.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 19.1 | 19.8 | 21.5 | 22.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 15.3 | 15.6 | 15.9 | 16.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 13.8 | 13.9 | 14.2 | 14.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 12.5 | 12.6 | 12.8 | 13.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 11.4 | 11.3 | 11.4 | 11.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 10.2 | 10.2 | 10.4 | 10.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 8.8 | 8.7 | 8.9 | 9.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 8.1 | 8.2 | 8.3 | 8.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 7.7 | 7.8 | 7.9 | 8.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 7.3 | 7.5 | 7.6 | 7.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 7.1 | 7.2 | 7.5 | 7.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 7.0 | 7.2 | 7.4 | 7.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 6.8 | 7.1 | 7.3 | 7.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 6.8 | 7.0 | 7.2 | 7.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 6.6 | 6.8 | 7.1 | 7.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 6.5 | 6.6 | 6.9 | 7.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59° | 6.4 | 6.5 | 6.8 | 7.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 6.2 | 6.5 | 6.8 | 7.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 6.1 | 6.3 | 6.6 | 7.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 5.8 | 6.1 | 6.5 | 6.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 5.7 | 5.8 | 6.1 | 6.5 |
| | | | | | | | | 70° | 5.4 | 5.5 | 5.7 | 6.0 |
| | | | | | | | | 72.5° | 5.0 | 5.0 | 5.2 | 5.4 |
| | | | | | | | | 75° | 4.4 | 4.5 | 4.6 | 4.8 |
| | | | | | | | | 77.5° | 3.9 | 3.9 | 3.9 | 4.2 |
| | | | | | | | | 80° | 3.2 | 3.2 | 3.3 | 3.5 |
| | | | | | | | | 82.5° | 2.4 | 2.4 | 2.6 | 2.8 |
| | | | | | | | | 85° | 1.7 | 1.7 | 1.9 | 2.0 |
| | | | | | | | | 87.5° | 1.0 | 0.9 | 1.0 | 1.0 |
| | | | | | | | | 90° | 0.1 | 0.2 | 0.2 | 0.2 |
| | | | | | | | | 92.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 95° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 97.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 100° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 102.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 105° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 107.5° | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

XB

CANDELA DISTRIBUTION (continued):

| 290° | 295° | 300° | 305° | 310° | 315° | 320° | | 270° | 275° | 280° | 285° | 290° |
|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 138.0 | 137.2 | 137.8 | 140.2 | 141.1 | 142.2 | 145.9 | 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.8 | 113.8 | 112.8 | 117.7 | 118.0 | 121.3 | 122.6 | 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.9 | 84.2 | 86.4 | 89.7 | 90.7 | 95.4 | 99.4 | 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 64.7 | 66.4 | 69.5 | 71.5 | 73.6 | 76.3 | 79.6 | 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5 | 59.3 | 61.9 | 64.5 | 67.4 | 69.6 | 72.2 | 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 48.0 | 50.8 | 53.4 | 56.8 | 59.3 | 63.1 | 66.3 | 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 36.7 | 40.6 | 43.2 | 47.3 | 51.0 | 54.4 | 58.6 | 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25.5 | 28.6 | 31.9 | 36.3 | 41.1 | 45.7 | 51.4 | 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.6 | 19.2 | 21.7 | 26.3 | 31.2 | 37.9 | 44.1 | 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15.0 | 15.6 | 16.5 | 18.7 | 22.9 | 30.2 | 37.0 | 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13.3 | 13.8 | 14.4 | 15.5 | 17.7 | 22.7 | 30.2 | 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.2 | 12.7 | 13.4 | 14.2 | 15.3 | 18.8 | 24.4 | 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10.7 | 11.1 | 11.6 | 12.5 | 13.4 | 16.1 | 21.6 | 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9.4 | 9.9 | 10.6 | 11.3 | 12.1 | 14.3 | 19.6 | 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.8 | 9.3 | 9.9 | 10.5 | 11.1 | 12.9 | 18.2 | 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.4 | 8.9 | 9.5 | 10.0 | 10.4 | 12.4 | 17.6 | 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.2 | 8.7 | 9.3 | 9.6 | 10.4 | 12.7 | 16.3 | 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.1 | 8.7 | 9.3 | 9.8 | 11.4 | 12.0 | 15.4 | 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.2 | 8.7 | 9.4 | 11.0 | 11.1 | 11.3 | 14.5 | 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.2 | 8.9 | 10.5 | 11.5 | 10.5 | 10.7 | 13.6 | 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.3 | 9.2 | 10.9 | 10.7 | 10.2 | 10.0 | 12.7 | 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.3 | 9.1 | 10.5 | 10.1 | 9.4 | 9.5 | 11.6 | 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8.0 | 9.1 | 10.1 | 9.1 | 8.7 | 9.1 | 10.6 | 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.9 | 9.3 | 9.0 | 8.4 | 8.4 | 8.8 | 10.2 | 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.8 | 9.5 | 8.5 | 8.2 | 8.2 | 8.7 | 9.9 | 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.6 | 8.9 | 7.8 | 7.6 | 7.9 | 8.3 | 9.6 | 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.1 | 7.4 | 7.2 | 7.2 | 7.5 | 7.9 | 9.4 | 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.5 | 6.7 | 6.7 | 6.8 | 7.1 | 7.5 | 9.6 | 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6.1 | 6.1 | 6.2 | 6.3 | 6.5 | 7.1 | 9.2 | | | | | | |
| 5.5 | 5.6 | 5.6 | 5.7 | 5.9 | 6.5 | 8.9 | | | | | | |
| 4.9 | 4.9 | 5.0 | 5.0 | 5.3 | 5.8 | 7.9 | | | | | | |
| 4.2 | 4.2 | 4.2 | 4.3 | 4.5 | 5.0 | 6.5 | | | | | | |
| 3.5 | 3.5 | 3.5 | 3.6 | 3.7 | 4.2 | 5.0 | | | | | | |
| 2.8 | 2.8 | 2.7 | 2.7 | 2.8 | 3.2 | 3.9 | | | | | | |
| 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 2.1 | 2.6 | | | | | | |
| 1.1 | 0.9 | 1.0 | 1.1 | 1.0 | 1.2 | 1.4 | | | | | | |
| 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.5 | | | | | | |
| 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 | | | | | | |



REPORT NUMBER: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| 295° | 300° | 305° | 310° | 315° | 320° | | 325° | 330° | 335° | 340° | 345° | 350° |
|------|------|------|------|------|------|--------|-------|-------|-------|-------|-------|-------|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0° | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 | 154.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5° | 145.4 | 147.5 | 150.7 | 151.3 | 153.9 | 155.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5° | 123.2 | 128.1 | 129.9 | 133.2 | 139.1 | 142.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5° | 101.7 | 105.4 | 109.6 | 115.0 | 119.3 | 124.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10° | 83.7 | 88.9 | 94.4 | 98.8 | 104.8 | 111.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5° | 74.3 | 77.2 | 82.6 | 88.8 | 96.3 | 103.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15° | 69.4 | 72.9 | 78.6 | 85.2 | 93.3 | 101.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5° | 63.4 | 68.9 | 75.4 | 84.8 | 95.2 | 107.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20° | 57.4 | 64.1 | 72.6 | 85.1 | 99.5 | 114.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5° | 52.1 | 60.0 | 70.9 | 86.5 | 104.9 | 125.4 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25° | 45.9 | 56.5 | 69.6 | 89.4 | 113.2 | 139.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.5° | 40.9 | 53.1 | 67.6 | 91.9 | 120.9 | 153.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30° | 35.4 | 49.2 | 64.8 | 92.8 | 130.2 | 164.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.5° | 31.0 | 45.5 | 61.7 | 92.0 | 134.3 | 172.1 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35° | 28.9 | 42.8 | 59.0 | 89.2 | 137.8 | 180.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 37.5° | 27.5 | 39.9 | 56.4 | 84.7 | 141.7 | 188.9 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40° | 25.7 | 37.6 | 54.3 | 81.4 | 144.8 | 195.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.5° | 24.0 | 35.6 | 52.7 | 78.5 | 145.6 | 202.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45° | 22.6 | 34.3 | 51.4 | 78.6 | 146.1 | 210.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5° | 21.5 | 33.1 | 50.9 | 81.3 | 152.0 | 222.7 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50° | 20.5 | 32.1 | 50.1 | 86.5 | 161.3 | 239.0 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.5° | 19.3 | 30.7 | 49.1 | 91.8 | 171.6 | 260.8 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55° | 17.7 | 28.8 | 48.0 | 96.3 | 185.5 | 287.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.5° | 15.3 | 26.6 | 47.3 | 98.6 | 194.1 | 302.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 59° | 14.0 | 24.5 | 46.9 | 97.5 | 196.4 | 305.2 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60° | 13.3 | 23.2 | 46.3 | 96.2 | 197.0 | 303.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 62.5° | 12.4 | 20.2 | 43.7 | 89.5 | 188.2 | 283.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 65° | 12.6 | 19.1 | 37.8 | 76.2 | 167.9 | 244.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.5° | 12.9 | 18.7 | 32.7 | 61.5 | 133.9 | 202.3 |
| | | | | | | 70° | 12.7 | 18.4 | 29.7 | 49.0 | 100.3 | 151.5 |
| | | | | | | 72.5° | 12.4 | 17.4 | 25.7 | 39.4 | 63.6 | 106.1 |
| | | | | | | 75° | 10.9 | 14.6 | 20.2 | 27.0 | 40.1 | 77.3 |
| | | | | | | 77.5° | 8.6 | 11.3 | 14.3 | 16.8 | 20.4 | 54.5 |
| | | | | | | 80° | 6.3 | 8.2 | 9.4 | 10.1 | 11.3 | 37.2 |
| | | | | | | 82.5° | 4.5 | 5.5 | 6.0 | 6.4 | 7.6 | 27.9 |
| | | | | | | 85° | 3.4 | 3.9 | 4.2 | 4.2 | 5.1 | 19.7 |
| | | | | | | 87.5° | 1.9 | 2.0 | 2.0 | 2.1 | 2.5 | 5.4 |
| | | | | | | 90° | 0.6 | 0.6 | 0.5 | 0.6 | 0.4 | 0.3 |
| | | | | | | 92.5° | 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 |
| | | | | | | 97.5° | 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 |
| | | | | | | 102.5° | 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 |
| | | | | | | 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227235

CATALOG NUMBER: IST-AF-XXX-LED-E1-SLL-8030-XXB

CANDELA DISTRIBUTION (continued):

| 355° | 359° | 360° | | 325° | 330° | 335° | 340° | 345° | 350° | 355° |
|-------|-------|-------|--------|------|------|------|------|------|------|------|
| 154.5 | 154.5 | 154.5 | 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.8 | 159.0 | 159.9 | 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 146.7 | 149.6 | 150.2 | 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130.1 | 134.8 | 136.5 | 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.9 | 123.0 | 124.7 | 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 111.2 | 117.2 | 119.1 | 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 111.4 | 118.5 | 121.3 | 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118.6 | 126.8 | 130.2 | 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 131.0 | 142.9 | 145.4 | 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.9 | 159.5 | 163.3 | 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 163.7 | 179.1 | 182.0 | 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 179.3 | 194.5 | 197.1 | 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 191.3 | 207.3 | 209.5 | 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 202.9 | 220.9 | 223.4 | 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 215.8 | 235.7 | 238.5 | 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 227.4 | 250.3 | 252.1 | 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 240.4 | 262.2 | 262.6 | 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 250.9 | 271.0 | 271.1 | 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 261.1 | 279.2 | 279.3 | 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 271.8 | 288.3 | 287.1 | 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 288.8 | 299.0 | 300.2 | 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 314.5 | 323.6 | 325.0 | 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 344.4 | 357.1 | 355.3 | 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 357.1 | 371.5 | 373.0 | 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 354.9 | 374.7 | 377.2 | 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 351.6 | 373.7 | 376.8 | 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 332.4 | 363.9 | 368.7 | 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 300.1 | 343.5 | 350.3 | 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 258.6 | 313.1 | 318.5 | 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 201.8 | 254.4 | 259.1 | | | | | | | | |
| 134.1 | 174.7 | 182.7 | | | | | | | | |
| 85.2 | 112.7 | 111.2 | | | | | | | | |
| 62.9 | 73.3 | 73.3 | | | | | | | | |
| 45.6 | 50.3 | 49.7 | | | | | | | | |
| 35.3 | 30.7 | 30.6 | | | | | | | | |
| 12.4 | 10.9 | 10.6 | | | | | | | | |
| 5.4 | 4.5 | 4.6 | | | | | | | | |
| 0.2 | 0.2 | 0.3 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |
| 0.0 | 0.0 | 0.0 | | | | | | | | |

