

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: INVUE

Report Number: P173428

Luminaire Tested: **ENC-FXX-LED-E1-SLL-8030-ULG-BBB**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P173428
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENC-FXX-LED-E1-SLL-8030-ULG-BBB
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE
LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1200.5 lumens
Efficiency: N/A
Efficacy: 218.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U3 - G1

Input Watts (W): 5.5
Input Voltage (V): NR
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

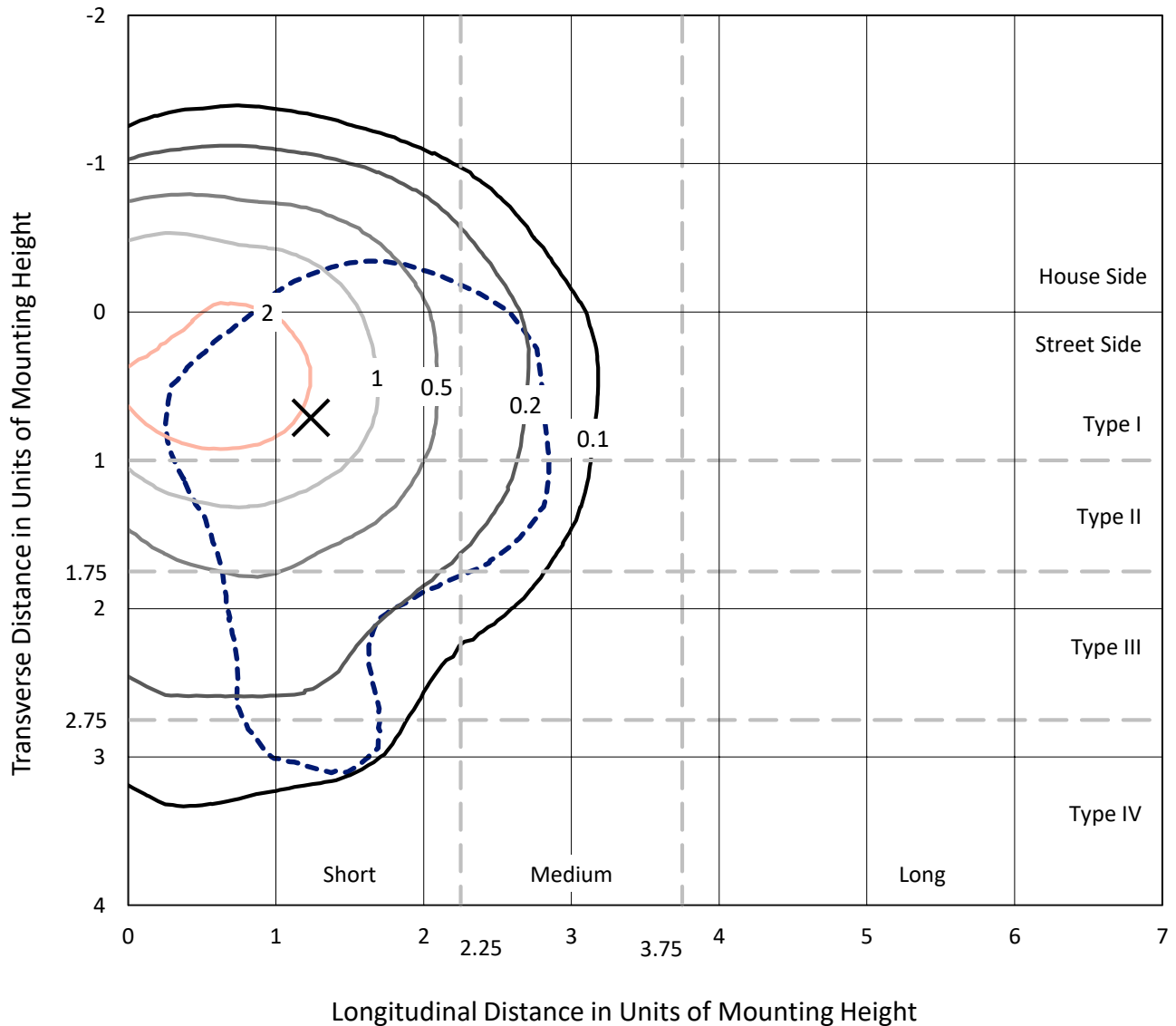


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Iso-Footcandle Lines of Horizontal Illumination

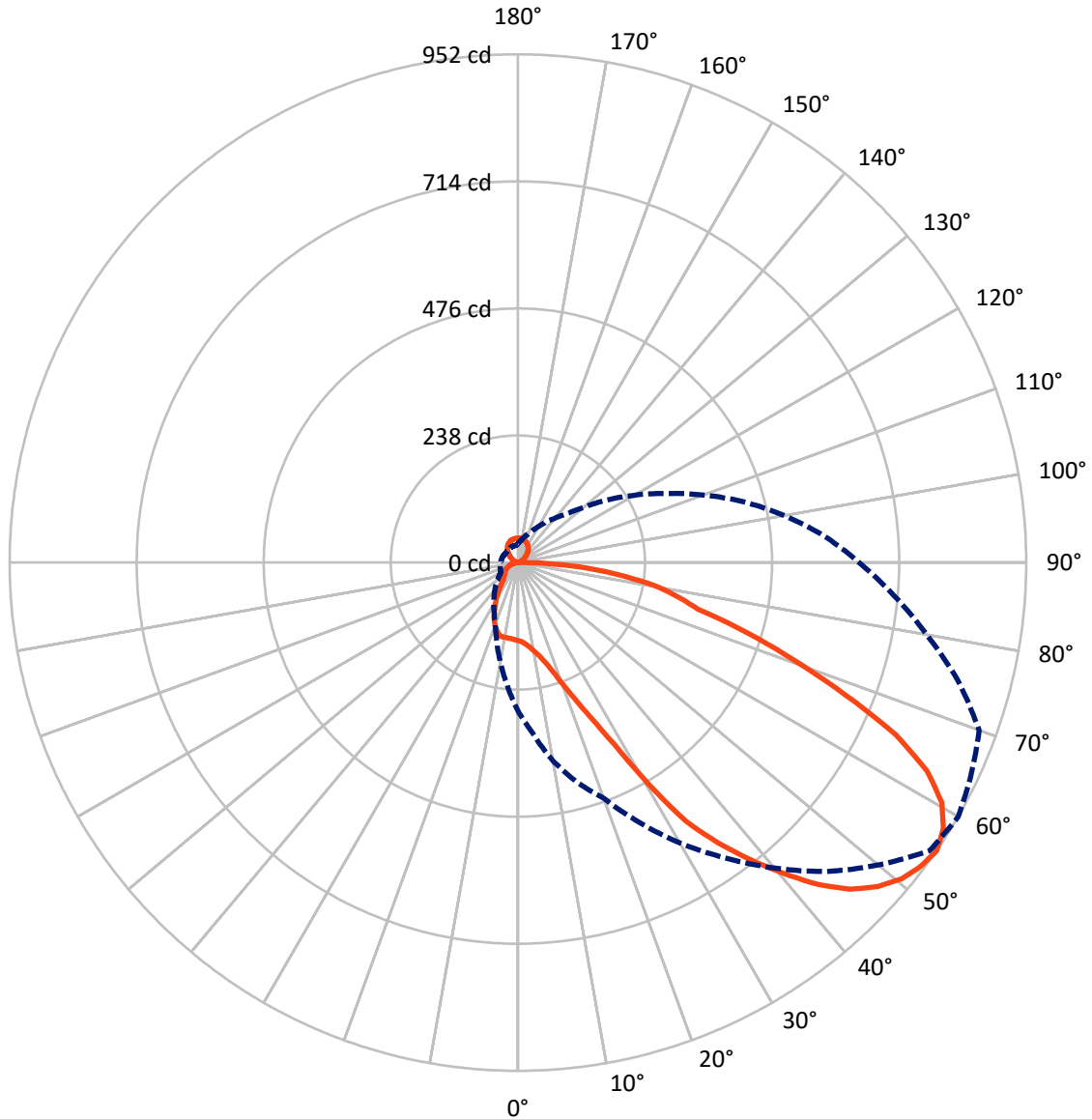
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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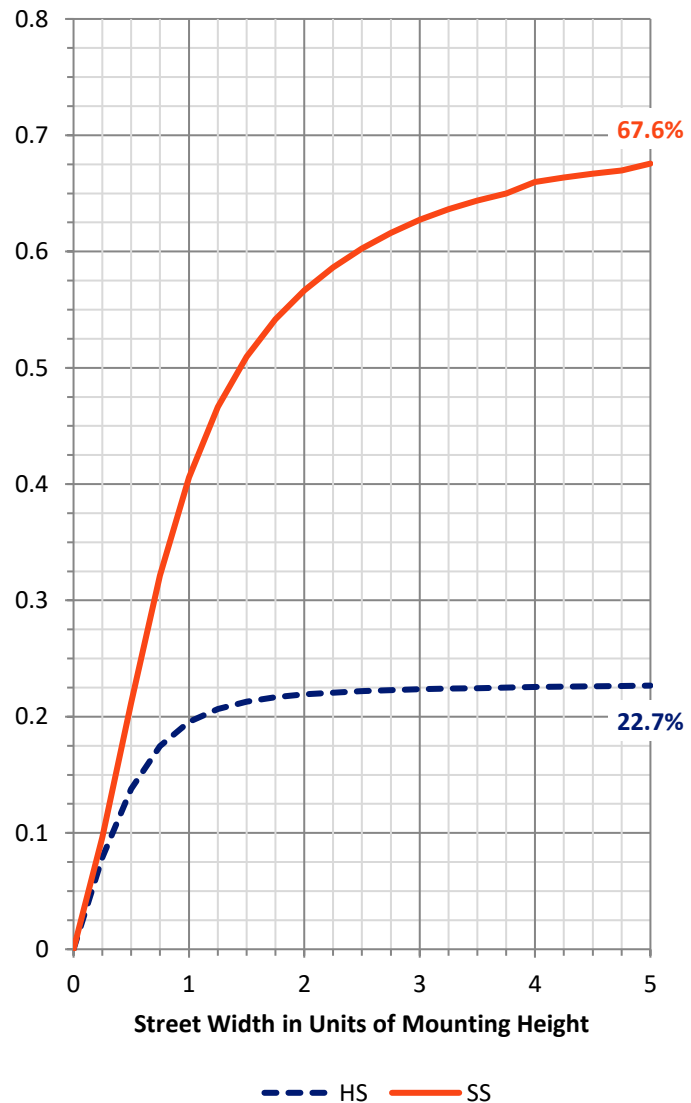
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 274.5 | 51.1 | 325.6 |
| | % Fixture | 22.9 | 4.3 | 27.1 |
| Street Side | Lumens | 823.8 | 51.1 | 874.9 |
| | % Fixture | 68.6 | 4.3 | 72.9 |
| Total | Lumens | 1098.4 | 102.1 | 1200.5 |
| | % Fixture | 91.5 | 8.5 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.4 | 1.2 |
| 10°-20° | 47.4 | 3.9 |
| 20°-30° | 92.0 | 7.7 |
| 30°-40° | 144.6 | 12.0 |
| 40°-50° | 193.2 | 16.1 |
| 50°-60° | 226.7 | 18.9 |
| 60°-70° | 215.1 | 17.9 |
| 70°-80° | 129.8 | 10.8 |
| 80°-90° | 35.2 | 2.9 |
| 90°-100° | 0.4 | 0.0 |
| 100°-110° | 4.0 | 0.3 |
| 110°-120° | 8.2 | 0.7 |
| 120°-130° | 13.9 | 1.2 |
| 130°-140° | 19.4 | 1.6 |
| 140°-150° | 21.2 | 1.8 |
| 150°-160° | 18.4 | 1.5 |
| 160°-170° | 12.4 | 1.0 |
| 170°-180° | 4.3 | 0.4 |
| 0°-90° | 1098.4 | 91.5 |
| 0°-180° | 1200.5 | 100.0 |



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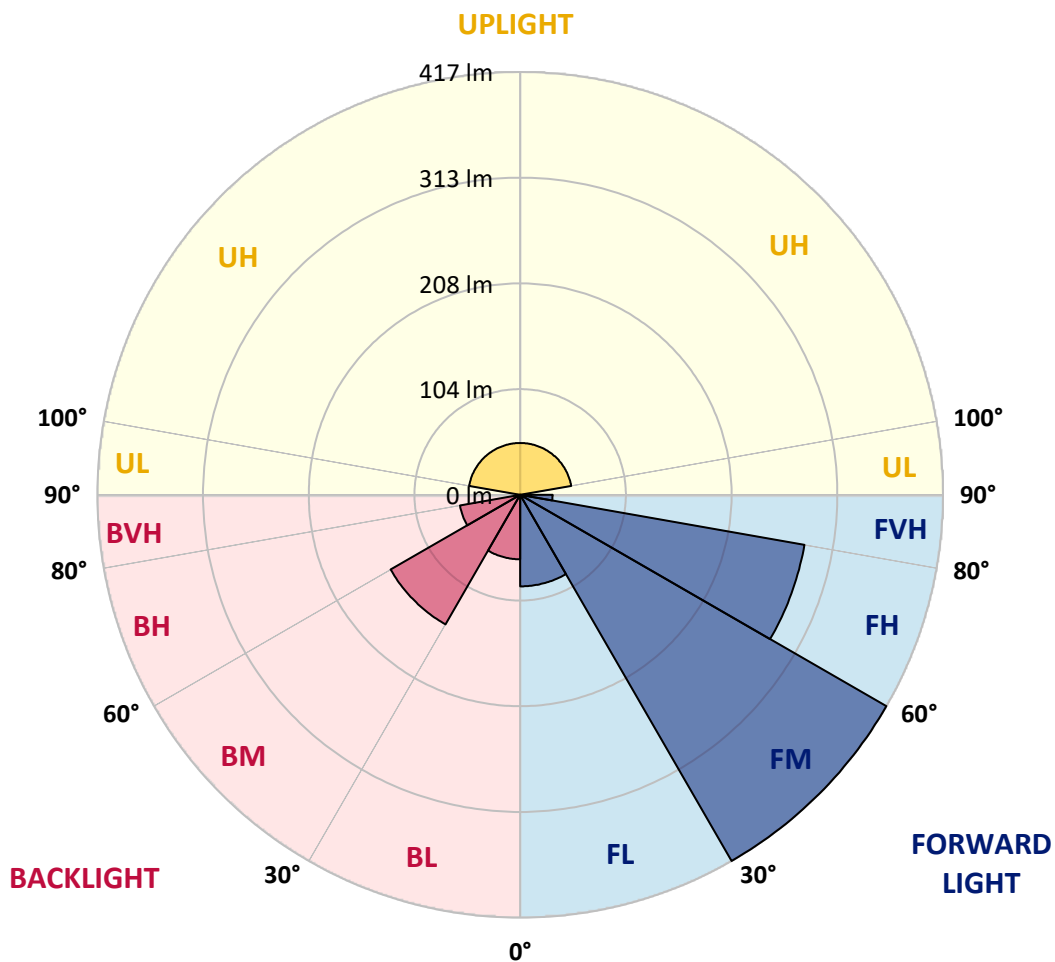
CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 90.3 | 7.5 | | | |
| FM | (30°-60°) | 417.0 | 34.7 | | | |
| FH | (60°-80°) | 284.6 | 23.7 | | | G0/660 |
| FVH | (80°-90°) | 32.0 | 2.7 | | | G1/100 |
| BL | (0°-30°) | 63.5 | 5.3 | B0/110 | | |
| BM | (30°-60°) | 147.5 | 12.3 | B0/220 | | |
| BH | (60°-80°) | 60.3 | 5.0 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 3.2 | 0.3 | | | G0/10 |
| UL | (90°-100°) | 0.4 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 51.1 | 4.3 | | U3/500 | |

BUG Rating: B0-U3-G1

Type IV Short





REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 |
| 2.5° | 149.5 | 149.3 | 149.5 | 149.3 | 149.3 | 149.3 | 149.5 | 149.3 | 148.6 | 148.6 | 148.9 |
| 5° | 153.2 | 153.2 | 153.2 | 153.4 | 153.4 | 153.6 | 154.1 | 153.6 | 153.4 | 154.5 | 153.6 |
| 7.5° | 157.4 | 157.4 | 158.1 | 158.4 | 159.0 | 159.0 | 159.9 | 159.7 | 160.6 | 161.3 | 160.6 |
| 10° | 164.0 | 163.3 | 164.9 | 164.9 | 166.7 | 166.9 | 167.8 | 168.1 | 169.6 | 171.0 | 169.8 |
| 12.5° | 173.5 | 173.9 | 176.6 | 177.1 | 179.3 | 179.3 | 179.3 | 180.2 | 181.4 | 182.3 | 181.1 |
| 15° | 190.4 | 191.3 | 194.9 | 195.1 | 199.0 | 197.4 | 199.2 | 199.4 | 199.2 | 199.9 | 198.3 |
| 17.5° | 212.3 | 214.8 | 219.9 | 221.1 | 222.9 | 226.0 | 226.0 | 225.6 | 226.7 | 227.4 | 223.1 |
| 20° | 239.1 | 243.4 | 249.3 | 251.5 | 256.5 | 261.9 | 261.7 | 260.8 | 261.0 | 259.2 | 254.4 |
| 22.5° | 269.3 | 279.1 | 288.7 | 292.4 | 296.0 | 302.7 | 307.0 | 305.7 | 306.8 | 302.7 | 298.4 |
| 25° | 303.9 | 319.7 | 334.3 | 339.7 | 352.8 | 364.8 | 366.6 | 365.7 | 360.7 | 356.9 | 352.6 |
| 27.5° | 325.1 | 345.8 | 365.9 | 379.6 | 402.0 | 421.1 | 425.0 | 431.3 | 432.9 | 436.0 | 425.7 |
| 30° | 329.6 | 355.5 | 380.6 | 401.5 | 428.4 | 451.2 | 476.4 | 495.1 | 507.8 | 517.7 | 510.9 |
| 32.5° | 332.7 | 362.1 | 389.8 | 416.2 | 438.3 | 471.5 | 503.3 | 531.0 | 568.0 | 581.5 | 594.4 |
| 35° | 333.6 | 367.2 | 398.6 | 428.4 | 457.0 | 489.9 | 524.0 | 554.5 | 604.6 | 644.7 | 672.2 |
| 37.5° | 332.3 | 371.1 | 407.8 | 444.2 | 478.2 | 514.6 | 550.4 | 580.2 | 628.9 | 680.8 | 717.8 |
| 40° | 326.9 | 369.7 | 411.7 | 452.5 | 493.8 | 538.7 | 579.7 | 612.0 | 657.6 | 718.9 | 768.1 |
| 42.5° | 319.9 | 364.1 | 410.3 | 455.2 | 501.7 | 554.5 | 604.1 | 643.3 | 693.7 | 755.7 | 811.6 |
| 45° | 311.1 | 357.1 | 404.9 | 452.3 | 502.3 | 561.0 | 617.6 | 667.9 | 721.4 | 790.4 | 844.3 |
| 47.5° | 300.3 | 347.2 | 397.7 | 445.7 | 497.8 | 561.2 | 624.0 | 681.5 | 740.1 | 814.3 | 872.5 |
| 50° | 290.1 | 336.8 | 389.6 | 436.9 | 489.3 | 555.6 | 623.3 | 687.5 | 751.6 | 828.3 | 889.4 |
| 52.5° | 282.2 | 328.0 | 382.6 | 430.0 | 479.4 | 546.3 | 616.5 | 684.6 | 753.4 | 830.1 | 892.6 |
| 55° | 277.2 | 320.8 | 376.7 | 425.2 | 469.4 | 536.4 | 606.1 | 674.5 | 746.7 | 818.2 | 880.9 |
| 57.5° | 277.9 | 319.4 | 373.3 | 424.3 | 462.2 | 527.9 | 594.4 | 660.0 | 725.7 | 793.8 | 858.6 |
| 60° | 284.9 | 322.3 | 371.5 | 418.0 | 466.7 | 528.7 | 589.2 | 644.0 | 696.6 | 759.3 | 819.7 |
| 62.5° | 302.5 | 334.8 | 374.5 | 422.3 | 476.0 | 537.3 | 585.8 | 619.2 | 650.6 | 713.3 | 774.9 |
| 65° | 335.9 | 363.8 | 395.7 | 437.6 | 490.2 | 549.3 | 572.1 | 578.8 | 598.9 | 658.7 | 719.8 |
| 67.5° | 368.6 | 401.8 | 419.8 | 446.6 | 495.8 | 552.7 | 555.6 | 526.5 | 526.0 | 584.2 | 628.5 |
| 70° | 400.2 | 448.2 | 455.4 | 470.3 | 503.9 | 549.1 | 538.4 | 482.3 | 456.8 | 464.7 | 490.4 |
| 72.5° | 379.4 | 451.4 | 456.6 | 461.1 | 481.1 | 523.1 | 510.9 | 435.1 | 378.1 | 367.9 | 397.0 |
| 75° | 289.6 | 381.0 | 393.2 | 385.3 | 396.3 | 428.4 | 426.1 | 366.8 | 347.4 | 354.2 | 365.4 |
| 77.5° | 208.4 | 293.7 | 320.1 | 294.4 | 291.5 | 312.2 | 306.3 | 311.3 | 348.1 | 358.0 | 355.3 |
| 80° | 120.9 | 186.6 | 224.2 | 199.6 | 190.8 | 203.9 | 226.9 | 261.7 | 301.8 | 323.2 | 327.3 |
| 82.5° | 75.6 | 110.1 | 149.8 | 140.3 | 128.3 | 151.4 | 187.0 | 211.4 | 231.2 | 250.9 | 252.0 |
| 85° | 32.7 | 47.1 | 73.1 | 76.7 | 95.0 | 115.5 | 143.9 | 150.9 | 172.6 | 187.7 | 174.6 |
| 87.5° | 1.1 | 1.1 | 17.6 | 26.2 | 46.5 | 83.5 | 113.0 | 101.0 | 102.4 | 89.8 | 83.7 |
| 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° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 97.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 100° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 102.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 105° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 107.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 115° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 117.5° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 120° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 125° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 130° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 135° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 140° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 145° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 150° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 155° | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 160° | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 165° | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 170° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 175° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 180° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |



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CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 |
| 2.5° | 148.9 | 148.4 | 148.6 | 148.0 | 148.0 | 148.2 | 148.2 | 147.5 | 147.5 | 147.5 | 147.3 |
| 5° | 154.1 | 153.6 | 153.4 | 152.9 | 152.3 | 152.7 | 152.0 | 151.6 | 150.9 | 150.7 | 150.0 |
| 7.5° | 160.8 | 160.2 | 159.9 | 158.8 | 157.9 | 157.4 | 157.0 | 155.4 | 154.8 | 154.3 | 153.4 |
| 10° | 168.7 | 168.7 | 168.3 | 166.0 | 165.3 | 163.8 | 162.2 | 160.4 | 159.0 | 157.0 | 155.9 |
| 12.5° | 178.9 | 179.6 | 178.0 | 176.0 | 174.4 | 171.2 | 168.3 | 165.8 | 163.1 | 160.2 | 158.4 |
| 15° | 194.0 | 194.5 | 191.3 | 189.5 | 187.0 | 183.4 | 178.9 | 174.8 | 170.8 | 166.7 | 163.3 |
| 17.5° | 216.3 | 215.7 | 211.1 | 209.3 | 205.0 | 199.0 | 192.9 | 187.5 | 181.4 | 175.7 | 171.4 |
| 20° | 248.6 | 245.9 | 234.1 | 233.5 | 228.1 | 219.5 | 210.7 | 202.8 | 194.7 | 187.5 | 180.2 |
| 22.5° | 287.8 | 281.7 | 273.2 | 263.5 | 253.1 | 243.6 | 233.2 | 222.2 | 212.0 | 203.0 | 195.1 |
| 25° | 339.0 | 325.5 | 317.6 | 304.5 | 295.5 | 278.8 | 264.4 | 255.6 | 241.8 | 231.5 | 221.3 |
| 27.5° | 407.4 | 386.0 | 374.5 | 360.3 | 340.2 | 328.4 | 308.8 | 291.9 | 277.2 | 260.1 | 248.8 |
| 30° | 496.0 | 480.2 | 451.4 | 431.5 | 403.8 | 375.4 | 351.2 | 329.1 | 309.9 | 289.4 | 272.7 |
| 32.5° | 587.2 | 577.2 | 543.4 | 506.4 | 464.2 | 422.5 | 387.1 | 359.8 | 334.8 | 311.8 | 292.6 |
| 35° | 664.6 | 644.0 | 610.9 | 572.1 | 517.9 | 469.6 | 424.8 | 390.0 | 358.9 | 330.2 | 306.1 |
| 37.5° | 714.4 | 705.4 | 671.8 | 627.8 | 568.5 | 516.3 | 469.9 | 428.8 | 390.0 | 352.6 | 321.4 |
| 40° | 769.9 | 764.7 | 736.5 | 682.6 | 627.8 | 563.9 | 510.9 | 467.6 | 425.9 | 381.2 | 340.4 |
| 42.5° | 819.5 | 824.3 | 795.4 | 748.0 | 684.6 | 612.7 | 556.3 | 508.2 | 460.6 | 415.1 | 367.9 |
| 45° | 864.0 | 872.5 | 851.3 | 807.3 | 737.9 | 659.1 | 600.3 | 547.9 | 496.0 | 446.2 | 393.6 |
| 47.5° | 897.3 | 906.6 | 888.8 | 854.2 | 781.9 | 697.9 | 638.8 | 580.2 | 525.8 | 468.5 | 412.8 |
| 50° | 925.3 | 930.7 | 917.2 | 887.0 | 817.5 | 735.6 | 669.7 | 608.2 | 547.9 | 486.1 | 425.2 |
| 52.5° | 941.6 | 944.7 | 931.4 | 909.5 | 844.6 | 763.6 | 693.9 | 627.5 | 563.5 | 498.3 | 433.3 |
| 55° | 940.7 | 951.7 | 936.6 | 919.0 | 852.9 | 776.9 | 706.5 | 638.6 | 575.0 | 506.2 | 438.1 |
| 57.5° | 923.0 | 939.3 | 932.3 | 910.4 | 845.9 | 776.0 | 708.3 | 644.9 | 582.4 | 508.9 | 435.8 |
| 60° | 889.2 | 911.6 | 916.5 | 885.4 | 818.0 | 751.2 | 691.2 | 637.7 | 575.5 | 496.9 | 422.1 |
| 62.5° | 841.4 | 859.5 | 872.3 | 829.9 | 763.1 | 699.7 | 652.8 | 610.6 | 547.3 | 461.5 | 393.6 |
| 65° | 769.2 | 777.5 | 781.2 | 741.9 | 676.5 | 634.3 | 603.7 | 567.3 | 496.9 | 411.2 | 349.6 |
| 67.5° | 661.8 | 660.7 | 664.3 | 646.1 | 597.8 | 575.7 | 555.4 | 515.9 | 433.8 | 353.7 | 292.4 |
| 70° | 526.3 | 549.7 | 569.6 | 550.2 | 520.2 | 498.1 | 481.1 | 434.5 | 346.5 | 273.2 | 222.2 |
| 72.5° | 428.4 | 447.5 | 458.4 | 441.4 | 412.3 | 396.6 | 374.2 | 327.8 | 243.9 | 194.2 | 152.5 |
| 75° | 361.8 | 347.9 | 354.4 | 343.8 | 316.9 | 294.1 | 281.3 | 230.1 | 159.9 | 128.6 | 95.0 |
| 77.5° | 326.9 | 304.5 | 290.3 | 267.5 | 236.9 | 210.9 | 197.8 | 143.0 | 100.8 | 75.8 | 54.8 |
| 80° | 289.0 | 258.1 | 221.1 | 184.3 | 157.9 | 141.9 | 132.9 | 81.7 | 55.5 | 44.0 | 31.6 |
| 82.5° | 219.7 | 190.6 | 154.8 | 128.1 | 105.4 | 91.8 | 81.4 | 46.7 | 31.3 | 23.2 | 18.0 |
| 85° | 140.8 | 129.7 | 118.4 | 105.4 | 88.2 | 70.8 | 54.6 | 34.1 | 23.0 | 13.3 | 9.9 |
| 87.5° | 67.9 | 56.4 | 55.9 | 51.7 | 49.2 | 38.8 | 23.0 | 7.9 | 5.0 | 4.3 | 2.7 |
| 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° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 97.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 100° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 102.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 105° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 107.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 115° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 117.5° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 120° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 125° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 130° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 135° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 140° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 145° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 150° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 155° | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 160° | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 165° | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 170° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 175° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 180° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 |
| 2.5° | 146.9 | 146.6 | 146.2 | 146.2 | 146.0 | 145.7 | 145.5 | 145.5 | 145.7 | 145.3 | 145.0 |
| 5° | 149.3 | 149.1 | 148.4 | 148.2 | 148.0 | 147.5 | 147.5 | 147.3 | 147.3 | 146.9 | 146.6 |
| 7.5° | 152.3 | 151.8 | 151.4 | 151.1 | 150.5 | 150.5 | 150.5 | 150.9 | 150.9 | 150.9 | 151.1 |
| 10° | 155.2 | 154.1 | 153.6 | 153.6 | 153.4 | 153.6 | 154.3 | 154.8 | 155.4 | 155.9 | 156.3 |
| 12.5° | 156.8 | 155.6 | 155.2 | 154.8 | 155.4 | 155.4 | 156.5 | 157.9 | 159.0 | 160.2 | 160.6 |
| 15° | 160.8 | 158.8 | 157.9 | 156.8 | 156.8 | 156.8 | 157.9 | 159.0 | 160.4 | 161.8 | 162.0 |
| 17.5° | 167.8 | 164.2 | 162.4 | 159.9 | 159.3 | 158.4 | 158.4 | 158.8 | 159.7 | 160.8 | 160.8 |
| 20° | 174.8 | 171.2 | 168.3 | 165.6 | 163.8 | 161.3 | 159.5 | 157.9 | 157.2 | 157.7 | 157.7 |
| 22.5° | 187.5 | 183.2 | 179.6 | 175.1 | 171.0 | 167.8 | 163.3 | 159.5 | 156.5 | 155.6 | 155.0 |
| 25° | 210.3 | 204.1 | 198.0 | 191.3 | 186.8 | 180.9 | 174.6 | 168.3 | 162.4 | 158.4 | 154.8 |
| 27.5° | 235.5 | 227.2 | 218.3 | 207.8 | 200.5 | 191.7 | 183.4 | 174.4 | 167.2 | 161.1 | 154.5 |
| 30° | 259.6 | 244.1 | 231.5 | 218.1 | 206.4 | 194.5 | 184.1 | 173.5 | 165.6 | 158.4 | 150.5 |
| 32.5° | 271.6 | 253.1 | 236.0 | 219.3 | 205.0 | 191.3 | 180.0 | 168.1 | 159.7 | 151.6 | 142.1 |
| 35° | 279.9 | 257.8 | 237.3 | 217.9 | 201.9 | 186.8 | 173.9 | 161.5 | 151.6 | 142.3 | 131.5 |
| 37.5° | 290.3 | 262.6 | 238.4 | 216.8 | 198.0 | 180.9 | 166.5 | 152.5 | 141.2 | 131.3 | 120.0 |
| 40° | 303.9 | 269.8 | 239.8 | 213.6 | 192.2 | 172.8 | 157.9 | 142.8 | 130.8 | 120.2 | 109.9 |
| 42.5° | 322.6 | 279.7 | 241.4 | 209.8 | 185.6 | 165.3 | 150.0 | 135.3 | 122.7 | 111.4 | 101.0 |
| 45° | 341.1 | 291.2 | 245.4 | 208.7 | 181.4 | 160.6 | 144.4 | 128.8 | 115.5 | 103.5 | 91.6 |
| 47.5° | 354.8 | 299.8 | 249.7 | 209.3 | 178.9 | 155.6 | 138.3 | 120.9 | 106.0 | 93.0 | 80.7 |
| 50° | 363.6 | 305.2 | 253.5 | 211.1 | 176.6 | 149.1 | 128.6 | 111.0 | 95.6 | 82.8 | 70.6 |
| 52.5° | 368.2 | 306.8 | 254.9 | 210.5 | 170.8 | 138.7 | 118.2 | 101.3 | 86.6 | 74.0 | 63.2 |
| 55° | 369.5 | 305.2 | 252.0 | 204.1 | 160.6 | 128.3 | 108.7 | 92.7 | 78.5 | 66.5 | 56.9 |
| 57.5° | 364.8 | 298.4 | 241.6 | 191.3 | 147.1 | 118.4 | 98.6 | 83.0 | 69.5 | 58.9 | 50.1 |
| 60° | 349.4 | 282.9 | 223.3 | 171.2 | 132.0 | 105.1 | 85.3 | 69.9 | 58.9 | 49.6 | 43.5 |
| 62.5° | 321.4 | 256.5 | 198.5 | 146.2 | 111.2 | 86.8 | 68.1 | 54.8 | 45.8 | 39.2 | 36.1 |
| 65° | 286.5 | 220.4 | 161.3 | 116.2 | 85.1 | 64.8 | 49.0 | 40.1 | 33.8 | 30.0 | 28.4 |
| 67.5° | 234.1 | 172.3 | 120.7 | 82.8 | 58.7 | 44.0 | 33.2 | 28.4 | 25.7 | 24.6 | 24.2 |
| 70° | 168.5 | 119.6 | 79.8 | 53.7 | 38.1 | 30.0 | 24.2 | 22.1 | 21.0 | 21.0 | 21.2 |
| 72.5° | 111.0 | 73.8 | 48.7 | 34.3 | 27.1 | 22.6 | 19.6 | 18.7 | 18.7 | 19.2 | 19.4 |
| 75° | 65.0 | 42.9 | 30.0 | 25.0 | 21.4 | 18.9 | 17.4 | 16.7 | 16.7 | 16.9 | 16.9 |
| 77.5° | 38.3 | 26.4 | 21.4 | 18.9 | 17.4 | 16.3 | 15.3 | 14.4 | 14.2 | 14.2 | 14.9 |
| 80° | 23.7 | 18.7 | 16.7 | 15.1 | 14.0 | 13.1 | 12.2 | 12.2 | 12.2 | 11.9 | 12.4 |
| 82.5° | 15.3 | 13.3 | 13.1 | 12.6 | 11.3 | 10.4 | 9.5 | 9.5 | 9.9 | 9.5 | 9.7 |
| 85° | 9.3 | 8.8 | 8.6 | 8.6 | 8.1 | 7.7 | 7.0 | 7.0 | 7.7 | 7.4 | 6.5 |
| 87.5° | 2.5 | 2.3 | 2.9 | 2.7 | 3.2 | 3.2 | 3.2 | 3.6 | 4.7 | 6.1 | 4.5 |
| 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° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 97.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 100° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 102.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 105° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 107.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |



REPORT NUMBER: P173428
 CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° | |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 112.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 0° |
| 115° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 2.5° |
| 117.5° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 5° |
| 120° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5° |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10° |
| 125° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5° |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15° |
| 130° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5° |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20° |
| 135° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5° |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25° |
| 140° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5° |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30° |
| 145° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5° |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35° |
| 150° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5° |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40° |
| 155° | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5° |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45° |
| 160° | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5° |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50° |
| 165° | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5° |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55° |
| 170° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5° |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60° |
| 175° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5° |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65° |
| 180° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 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° |
| | | | | | | | | | | | | 110° |



NUMBER: P173428
 NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° | 165° | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|
| 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 112.5° | 6.9 |
| 144.8 | 145.0 | 144.6 | 144.4 | 144.6 | 144.8 | 144.1 | 143.9 | 143.7 | 143.5 | 143.7 | 115° | 8.1 |
| 146.4 | 146.4 | 145.7 | 145.3 | 145.3 | 145.0 | 144.4 | 144.1 | 143.2 | 143.0 | 143.7 | 117.5° | 9.6 |
| 150.9 | 150.7 | 150.0 | 149.3 | 149.1 | 149.1 | 147.5 | 146.9 | 146.4 | 145.0 | 145.3 | 120° | 11.3 |
| 156.1 | 156.1 | 156.3 | 155.4 | 154.3 | 154.1 | 152.3 | 151.1 | 150.5 | 149.3 | 148.9 | 122.5° | 13.2 |
| 160.2 | 159.5 | 159.3 | 157.9 | 156.8 | 156.3 | 154.8 | 153.9 | 152.9 | 151.8 | 151.6 | 125° | 15.5 |
| 161.5 | 160.2 | 159.3 | 157.7 | 156.3 | 155.4 | 154.1 | 153.2 | 152.0 | 151.4 | 150.9 | 127.5° | 17.9 |
| 160.2 | 158.8 | 157.4 | 155.6 | 153.9 | 152.7 | 151.1 | 149.8 | 149.3 | 148.4 | 147.1 | 130° | 20.4 |
| 157.2 | 155.6 | 154.1 | 151.8 | 149.8 | 148.2 | 146.4 | 145.3 | 143.9 | 142.6 | 139.9 | 132.5° | 22.8 |
| 153.6 | 151.8 | 150.2 | 147.3 | 145.3 | 143.5 | 141.5 | 139.6 | 138.1 | 135.3 | 131.3 | 135° | 25.2 |
| 151.1 | 147.3 | 144.6 | 140.5 | 138.3 | 136.0 | 135.1 | 133.3 | 131.1 | 126.3 | 121.3 | 137.5° | 27.6 |
| 147.5 | 140.5 | 135.6 | 131.5 | 128.3 | 125.7 | 124.1 | 122.0 | 119.8 | 115.3 | 110.1 | 140° | 29.9 |
| 141.5 | 133.3 | 128.6 | 124.3 | 120.7 | 117.8 | 114.8 | 111.0 | 108.0 | 102.9 | 99.3 | 142.5° | 32.1 |
| 132.2 | 125.4 | 121.1 | 117.1 | 112.3 | 108.5 | 104.9 | 100.4 | 96.1 | 90.9 | 87.7 | 145° | 34.0 |
| 121.8 | 115.7 | 110.3 | 106.0 | 101.0 | 97.2 | 93.4 | 88.2 | 84.1 | 79.4 | 76.5 | 147.5° | 35.6 |
| 111.0 | 104.4 | 98.1 | 93.2 | 88.6 | 84.4 | 81.0 | 76.0 | 71.7 | 67.2 | 65.7 | 150° | 37.3 |
| 101.3 | 93.8 | 87.1 | 82.1 | 77.2 | 72.8 | 69.3 | 64.1 | 60.4 | 57.3 | 55.5 | 152.5° | 38.8 |
| 91.8 | 83.9 | 77.6 | 72.4 | 67.4 | 62.9 | 58.2 | 54.1 | 51.0 | 49.6 | 47.1 | 155° | 40.0 |
| 81.2 | 73.1 | 67.0 | 61.4 | 57.3 | 52.5 | 49.0 | 46.2 | 44.2 | 43.1 | 41.5 | 157.5° | 41.1 |
| 70.4 | 63.6 | 57.3 | 52.1 | 47.1 | 43.1 | 40.8 | 39.5 | 38.8 | 37.9 | 37.2 | 160° | 42.2 |
| 61.6 | 55.7 | 49.4 | 44.5 | 39.9 | 37.0 | 35.9 | 35.2 | 34.7 | 34.3 | 34.1 | 162.5° | 43.2 |
| 55.5 | 49.2 | 43.5 | 38.8 | 35.4 | 33.8 | 33.4 | 32.9 | 32.5 | 32.2 | 32.0 | 165° | 44.0 |
| 50.8 | 44.5 | 39.2 | 35.2 | 32.7 | 32.2 | 32.0 | 31.6 | 31.1 | 31.1 | 30.7 | 167.5° | 44.4 |
| 45.1 | 39.7 | 35.2 | 32.2 | 30.9 | 30.7 | 30.5 | 30.2 | 30.0 | 30.0 | 29.8 | 170° | 44.5 |
| 39.2 | 35.2 | 32.2 | 30.2 | 29.8 | 29.3 | 28.9 | 28.4 | 28.2 | 28.7 | 28.9 | 172.5° | 44.9 |
| 33.4 | 30.9 | 29.1 | 28.4 | 28.0 | 27.3 | 26.8 | 26.4 | 26.4 | 26.8 | 27.5 | 175° | 45.5 |
| 27.7 | 26.8 | 26.4 | 25.9 | 25.7 | 25.5 | 25.0 | 24.6 | 24.6 | 24.6 | 25.0 | 177.5° | 45.7 |
| 23.9 | 23.5 | 23.5 | 23.2 | 23.0 | 23.0 | 22.6 | 22.1 | 22.1 | 22.1 | 22.1 | 180° | 45.6 |
| 21.0 | 21.2 | 21.2 | 21.2 | 21.0 | 20.8 | 20.5 | 20.1 | 19.8 | 19.4 | 18.9 | | |
| 19.4 | 19.2 | 18.9 | 18.7 | 18.5 | 18.3 | 18.0 | 17.8 | 17.4 | 16.9 | 16.5 | | |
| 17.4 | 16.9 | 16.3 | 16.0 | 15.8 | 15.3 | 15.3 | 15.1 | 14.7 | 14.0 | 13.5 | | |
| 15.1 | 14.7 | 14.0 | 13.5 | 13.5 | 13.3 | 12.9 | 12.6 | 11.9 | 11.3 | 10.8 | | |
| 12.2 | 11.5 | 10.8 | 10.6 | 10.4 | 10.2 | 9.9 | 9.7 | 9.5 | 8.8 | 8.6 | | |
| 9.0 | 8.4 | 7.7 | 7.4 | 7.2 | 6.8 | 6.5 | 6.5 | 6.5 | 5.9 | 5.4 | | |
| 5.9 | 5.0 | 4.3 | 3.6 | 3.6 | 3.4 | 2.9 | 2.5 | 2.0 | 1.4 | 0.9 | | |
| 2.9 | 1.6 | 0.9 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | | |
| 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | | |
| 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | | |
| 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | | |
| 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | | |

'173428
 ENC-FXX-LED-E1-SLL-8030-ULG-BBB

REPORT NUMBER: P173428
 CATALOG NUMBER: ENC-FXX-I

TION (continued):

CANDELA DISTRIBUTION (con

| 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° | | 220° | 225° |
|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 0° | 146.4 | 146.4 |
| 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 2.5° | 143.7 | 143.5 |
| 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 5° | 143.7 | 142.3 |
| 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5° | 144.4 | 143.2 |
| 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10° | 147.3 | 145.5 |
| 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5° | 149.8 | 147.8 |
| 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15° | 149.5 | 146.6 |
| 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5° | 144.8 | 141.5 |
| 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20° | 136.9 | 132.4 |
| 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5° | 126.8 | 122.5 |
| 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25° | 116.8 | 111.9 |
| 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5° | 105.8 | 101.5 |
| 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30° | 94.5 | 90.7 |
| 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5° | 83.7 | 80.1 |
| 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35° | 72.8 | 69.3 |
| 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5° | 62.5 | 59.1 |
| 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40° | 52.8 | 50.3 |
| 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5° | 45.8 | 43.5 |
| 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45° | 40.1 | 38.3 |
| 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5° | 36.1 | 34.7 |
| 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50° | 33.2 | 32.0 |
| 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5° | 31.3 | 30.5 |
| 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55° | 30.0 | 29.3 |
| 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5° | 29.1 | 28.2 |
| 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60° | 28.0 | 27.3 |
| 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5° | 26.8 | 25.9 |
| 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65° | 24.8 | 23.7 |
| 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5° | 21.9 | 21.0 |
| | | | | | | | | | | 70° | 18.5 | 18.3 |
| | | | | | | | | | | 72.5° | 15.6 | 15.3 |
| | | | | | | | | | | 75° | 13.1 | 13.1 |
| | | | | | | | | | | 77.5° | 10.8 | 10.6 |
| | | | | | | | | | | 80° | 8.4 | 7.9 |
| | | | | | | | | | | 82.5° | 4.7 | 4.5 |
| | | | | | | | | | | 85° | 0.7 | 0.5 |
| | | | | | | | | | | 87.5° | 0.0 | 0.0 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 0.2 | 0.2 |
| | | | | | | | | | | 97.5° | 0.5 | 0.5 |
| | | | | | | | | | | 100° | 1.6 | 1.6 |
| | | | | | | | | | | 102.5° | 2.8 | 2.8 |
| | | | | | | | | | | 105° | 3.8 | 3.8 |
| | | | | | | | | | | 107.5° | 4.8 | 4.8 |
| | | | | | | | | | | 110° | 5.8 | 5.8 |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL

LED-E1-SLL-8030-ULG-BBB

tinued):

CANDELA DISTRIBUTION (continued):

| 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° | | 220° | 225° | 230° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|
| 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 112.5° | 6.9 | 6.9 | 6.9 |
| 143.7 | 143.9 | 144.8 | 145.3 | 145.5 | 145.5 | 145.7 | 146.2 | 146.4 | 115° | 8.1 | 8.1 | 8.1 |
| 142.3 | 142.8 | 143.2 | 143.9 | 144.1 | 144.1 | 144.4 | 145.0 | 145.7 | 117.5° | 9.6 | 9.6 | 9.6 |
| 142.6 | 142.3 | 142.6 | 143.0 | 143.0 | 143.0 | 143.2 | 143.9 | 144.6 | 120° | 11.3 | 11.3 | 11.3 |
| 144.4 | 143.0 | 142.1 | 141.9 | 141.6 | 141.6 | 142.1 | 143.0 | 143.7 | 122.5° | 13.2 | 13.2 | 13.2 |
| 146.0 | 144.1 | 142.3 | 141.2 | 140.3 | 139.9 | 140.1 | 141.0 | 142.3 | 125° | 15.5 | 15.5 | 15.5 |
| 144.6 | 141.9 | 139.9 | 138.3 | 136.9 | 136.5 | 136.7 | 137.4 | 139.0 | 127.5° | 17.9 | 17.9 | 17.9 |
| 138.7 | 135.8 | 133.6 | 132.4 | 131.7 | 131.5 | 132.0 | 133.3 | 134.7 | 130° | 20.4 | 20.4 | 20.4 |
| 130.4 | 128.8 | 126.8 | 126.1 | 124.7 | 124.7 | 124.5 | 124.5 | 125.2 | 132.5° | 22.8 | 22.8 | 22.8 |
| 121.1 | 120.2 | 118.2 | 116.6 | 115.0 | 114.8 | 113.3 | 113.5 | 113.3 | 135° | 25.2 | 25.2 | 25.2 |
| 110.5 | 109.4 | 106.9 | 104.7 | 102.9 | 101.7 | 99.9 | 99.7 | 99.0 | 137.5° | 27.6 | 27.6 | 27.6 |
| 99.9 | 98.1 | 95.2 | 93.0 | 90.7 | 89.1 | 87.5 | 86.0 | 85.5 | 140° | 29.9 | 29.9 | 29.9 |
| 89.1 | 87.5 | 84.1 | 82.1 | 79.0 | 76.7 | 75.3 | 73.1 | 72.0 | 142.5° | 32.1 | 32.1 | 32.1 |
| 78.5 | 76.7 | 72.8 | 69.0 | 66.8 | 64.1 | 62.0 | 59.1 | 57.8 | 145° | 34.0 | 34.0 | 34.0 |
| 66.8 | 65.7 | 61.8 | 57.8 | 55.7 | 52.1 | 49.6 | 47.1 | 46.7 | 147.5° | 35.6 | 35.6 | 35.6 |
| 57.3 | 54.8 | 51.9 | 48.7 | 45.3 | 43.3 | 42.2 | 41.7 | 41.5 | 150° | 37.3 | 37.3 | 37.3 |
| 48.5 | 46.9 | 44.2 | 42.0 | 40.4 | 39.9 | 39.9 | 39.9 | 40.1 | 152.5° | 38.8 | 38.8 | 38.8 |
| 42.6 | 40.6 | 39.2 | 38.6 | 38.6 | 38.8 | 39.0 | 39.5 | 39.9 | 155° | 40.0 | 40.0 | 40.0 |
| 37.7 | 37.0 | 37.0 | 36.8 | 37.2 | 37.7 | 38.3 | 39.0 | 39.5 | 157.5° | 41.1 | 41.1 | 41.1 |
| 34.3 | 34.5 | 35.0 | 35.2 | 36.1 | 36.8 | 37.5 | 37.9 | 38.3 | 160° | 42.2 | 42.2 | 42.2 |
| 31.6 | 31.8 | 32.2 | 32.9 | 33.6 | 34.5 | 35.2 | 35.6 | 35.9 | 162.5° | 43.2 | 43.2 | 43.2 |
| 30.0 | 30.0 | 30.7 | 31.3 | 32.2 | 32.9 | 33.6 | 33.8 | 34.3 | 165° | 44.0 | 44.0 | 44.0 |
| 28.7 | 28.9 | 29.6 | 30.0 | 30.5 | 30.9 | 31.3 | 31.6 | 32.5 | 167.5° | 44.4 | 44.4 | 44.4 |
| 27.7 | 28.0 | 28.2 | 27.7 | 28.2 | 28.7 | 29.1 | 29.6 | 30.0 | 170° | 44.5 | 44.5 | 44.5 |
| 26.6 | 26.2 | 25.7 | 25.7 | 25.9 | 26.4 | 27.3 | 28.0 | 28.7 | 172.5° | 44.9 | 44.9 | 44.9 |
| 25.3 | 24.6 | 23.9 | 23.7 | 23.9 | 24.3 | 25.3 | 26.2 | 26.6 | 175° | 45.5 | 45.5 | 45.5 |
| 23.0 | 22.8 | 22.6 | 22.3 | 22.6 | 23.0 | 23.9 | 24.6 | 25.3 | 177.5° | 45.7 | 45.7 | 45.7 |
| 20.8 | 20.5 | 20.3 | 20.5 | 20.8 | 21.2 | 22.1 | 22.8 | 23.5 | 180° | 45.6 | 45.6 | 45.6 |
| 18.0 | 18.0 | 18.0 | 18.3 | 18.5 | 19.4 | 20.1 | 21.0 | 21.2 | | | | |
| 15.1 | 15.6 | 15.6 | 15.6 | 16.0 | 17.2 | 18.0 | 18.9 | 19.4 | | | | |
| 12.9 | 12.6 | 13.1 | 13.1 | 13.5 | 14.4 | 15.1 | 15.8 | 16.0 | | | | |
| 10.4 | 10.4 | 10.6 | 10.6 | 10.6 | 11.0 | 11.5 | 11.5 | 11.5 | | | | |
| 7.7 | 7.4 | 7.2 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 | 7.4 | | | | |
| 3.6 | 2.9 | 2.9 | 2.7 | 2.5 | 2.5 | 2.5 | 2.9 | 3.2 | | | | |
| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | | | | |
| 0.0 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.5 | 0.7 | 0.7 | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | |
| 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | | | | |
| 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | | | | |
| 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | | | | |
| 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | | | | |
| 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | | | | |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULC

.-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° | | 275° | 280° | 285° | 290° |
|------|------|------|------|------|------|------|------|--------|-------|-------|-------|-------|
| 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 0° | 146.4 | 146.4 | 146.4 | 146.4 |
| 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 2.5° | 146.2 | 146.6 | 146.6 | 147.1 |
| 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 5° | 145.7 | 146.2 | 146.4 | 147.1 |
| 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5° | 145.0 | 146.0 | 146.4 | 147.3 |
| 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10° | 144.4 | 145.7 | 146.6 | 148.2 |
| 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5° | 143.7 | 145.0 | 146.6 | 148.2 |
| 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15° | 140.3 | 141.6 | 143.9 | 146.2 |
| 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5° | 135.3 | 136.7 | 138.5 | 140.5 |
| 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20° | 125.9 | 126.3 | 128.1 | 130.4 |
| 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5° | 112.6 | 112.3 | 113.3 | 115.7 |
| 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25° | 97.5 | 98.4 | 97.7 | 100.6 |
| 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5° | 83.5 | 84.1 | 85.1 | 86.4 |
| 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30° | 70.2 | 69.9 | 70.6 | 71.7 |
| 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5° | 56.4 | 56.2 | 56.4 | 57.5 |
| 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35° | 46.2 | 45.6 | 46.2 | 47.8 |
| 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5° | 41.7 | 41.7 | 42.4 | 43.5 |
| 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40° | 40.4 | 40.6 | 41.1 | 42.0 |
| 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5° | 40.1 | 40.1 | 40.1 | 40.6 |
| 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45° | 39.7 | 39.5 | 39.5 | 39.5 |
| 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5° | 38.6 | 38.3 | 38.3 | 38.3 |
| 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50° | 36.1 | 36.3 | 36.3 | 36.6 |
| 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5° | 34.5 | 35.0 | 35.2 | 35.6 |
| 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55° | 32.9 | 33.8 | 34.5 | 35.0 |
| 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5° | 30.5 | 31.3 | 32.0 | 33.2 |
| 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60° | 29.1 | 29.6 | 29.8 | 30.5 |
| 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5° | 27.3 | 27.7 | 28.2 | 28.4 |
| 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65° | 25.7 | 26.2 | 26.8 | 27.1 |
| 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5° | 23.9 | 24.6 | 25.0 | 25.3 |
| | | | | | | | | 70° | 21.9 | 22.8 | 23.0 | 23.5 |
| | | | | | | | | 72.5° | 19.8 | 20.3 | 20.5 | 21.0 |
| | | | | | | | | 75° | 16.7 | 17.4 | 17.8 | 18.0 |
| | | | | | | | | 77.5° | 12.4 | 13.1 | 13.8 | 14.4 |
| | | | | | | | | 80° | 7.9 | 8.6 | 9.0 | 9.5 |
| | | | | | | | | 82.5° | 3.6 | 4.3 | 4.5 | 5.0 |
| | | | | | | | | 85° | 0.7 | 0.7 | 0.7 | 0.9 |
| | | | | | | | | 87.5° | 0.7 | 0.9 | 0.9 | 0.9 |
| | | | | | | | | 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 92.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | | | | 95° | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | | | 97.5° | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | | | | | | 100° | 1.6 | 1.6 | 1.6 | 1.6 |
| | | | | | | | | 102.5° | 2.8 | 2.8 | 2.8 | 2.8 |
| | | | | | | | | 105° | 3.8 | 3.8 | 3.8 | 3.8 |
| | | | | | | | | 107.5° | 4.8 | 4.8 | 4.8 | 4.8 |
| | | | | | | | | 110° | 5.8 | 5.8 | 5.8 | 5.8 |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

5-BBB

CANDELA DISTRIBUTION (continued):

| 295° | 300° | 305° | 310° | 315° | 320° | 325° | | 275° | 280° | 285° | 290° | 295° |
|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 112.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 147.1 | 147.3 | 147.8 | 147.8 | 148.2 | 148.2 | 148.6 | 115° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 147.5 | 148.0 | 148.6 | 148.9 | 149.8 | 150.2 | 150.7 | 117.5° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 148.2 | 148.9 | 149.8 | 150.5 | 151.6 | 152.3 | 152.9 | 120° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 149.3 | 150.5 | 152.0 | 152.7 | 153.6 | 155.2 | 156.3 | 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 150.9 | 152.5 | 154.5 | 156.3 | 157.4 | 159.7 | 161.5 | 125° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 148.6 | 152.0 | 154.5 | 157.9 | 160.8 | 164.7 | 167.8 | 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 143.2 | 146.4 | 150.7 | 155.0 | 159.5 | 166.0 | 172.3 | 130° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 133.3 | 136.9 | 141.9 | 147.3 | 153.9 | 162.4 | 171.4 | 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 118.9 | 122.0 | 127.5 | 133.6 | 141.0 | 151.6 | 164.7 | 135° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 103.5 | 107.8 | 113.0 | 119.6 | 127.9 | 140.5 | 154.5 | 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 88.9 | 93.4 | 99.0 | 106.3 | 115.9 | 129.5 | 145.5 | 140° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 73.8 | 79.0 | 84.1 | 93.2 | 102.9 | 117.1 | 134.9 | 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 60.2 | 64.1 | 70.4 | 78.5 | 89.8 | 103.8 | 122.7 | 145° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 49.4 | 52.5 | 58.7 | 66.5 | 76.7 | 90.5 | 106.9 | 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 45.1 | 47.6 | 51.9 | 57.5 | 66.5 | 79.8 | 93.8 | 150° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 43.5 | 45.8 | 49.0 | 53.9 | 60.9 | 71.1 | 83.0 | 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 42.0 | 44.2 | 47.8 | 52.3 | 58.2 | 65.4 | 75.6 | 155° | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 40.6 | 43.1 | 46.9 | 51.9 | 57.3 | 63.6 | 71.5 | 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 39.2 | 41.5 | 45.3 | 51.0 | 56.9 | 63.6 | 71.5 | 160° | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 37.2 | 39.5 | 43.5 | 49.4 | 55.9 | 63.4 | 72.4 | 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 36.1 | 38.1 | 42.4 | 49.0 | 55.9 | 64.1 | 73.8 | 165° | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 35.4 | 37.2 | 42.2 | 49.6 | 57.8 | 67.2 | 77.8 | 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 34.3 | 36.3 | 41.5 | 49.9 | 60.0 | 71.7 | 85.1 | 170° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 31.1 | 33.6 | 39.2 | 48.3 | 59.3 | 73.8 | 91.4 | 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 28.7 | 30.2 | 35.0 | 44.5 | 55.9 | 71.5 | 92.5 | 175° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 27.5 | 28.4 | 31.6 | 39.2 | 50.5 | 67.2 | 89.1 | 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 25.9 | 26.4 | 28.7 | 34.7 | 43.3 | 59.5 | 80.7 | 180° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 23.9 | 24.2 | 25.9 | 29.8 | 36.1 | 47.4 | 67.4 | | | | | | |
| 21.4 | 21.9 | 23.0 | 25.7 | 29.8 | 36.3 | 49.0 | | | | | | |
| 18.5 | 18.7 | 19.2 | 21.0 | 23.5 | 28.0 | 34.7 | | | | | | |
| 14.9 | 14.9 | 15.3 | 16.3 | 17.6 | 20.8 | 24.8 | | | | | | |
| 9.7 | 10.4 | 10.8 | 12.4 | 12.9 | 15.1 | 17.6 | | | | | | |
| 5.6 | 6.1 | 6.3 | 6.8 | 7.9 | 9.0 | 10.8 | | | | | | |
| 0.9 | 1.4 | 1.4 | 1.8 | 2.3 | 2.5 | 2.9 | | | | | | |
| 1.1 | 1.1 | 1.1 | 1.1 | 1.4 | 1.4 | 1.4 | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | | | | | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | |
| 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | | | | | | |
| 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | | | | | | |
| 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | | | | | | |
| 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | | | | | | |
| 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | | | | | | |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| 300° | 305° | 310° | 315° | 320° | 325° | | 330° | 335° | 340° | 345° | 350° | 355° |
|------|------|------|------|------|------|--------|-------|-------|-------|-------|-------|-------|
| 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 0° | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 | 146.4 |
| 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 2.5° | 148.9 | 148.6 | 149.1 | 149.5 | 149.3 | 150.7 |
| 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 5° | 151.4 | 151.1 | 151.8 | 152.3 | 152.5 | 153.4 |
| 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 7.5° | 153.9 | 154.1 | 155.2 | 155.4 | 156.1 | 157.2 |
| 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 10° | 156.8 | 157.9 | 159.3 | 159.7 | 160.8 | 162.2 |
| 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 12.5° | 162.6 | 164.2 | 166.0 | 167.4 | 169.6 | 172.3 |
| 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 15° | 170.8 | 174.6 | 177.5 | 180.2 | 183.6 | 186.8 |
| 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 17.5° | 178.0 | 185.4 | 191.7 | 197.4 | 202.8 | 207.8 |
| 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 20° | 181.4 | 193.1 | 203.0 | 213.4 | 223.8 | 230.8 |
| 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 22.5° | 178.2 | 194.7 | 210.0 | 226.7 | 242.5 | 256.7 |
| 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 25° | 171.4 | 191.7 | 214.5 | 238.4 | 262.3 | 284.0 |
| 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 27.5° | 165.1 | 190.0 | 216.3 | 243.6 | 272.1 | 298.0 |
| 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 30° | 156.8 | 183.8 | 212.7 | 240.9 | 271.8 | 302.3 |
| 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 32.5° | 144.4 | 171.9 | 202.4 | 233.0 | 267.3 | 301.1 |
| 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35° | 129.7 | 157.2 | 188.4 | 220.6 | 258.8 | 296.9 |
| 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.5° | 113.7 | 140.8 | 173.2 | 207.8 | 247.2 | 289.9 |
| 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 40° | 100.2 | 124.3 | 157.9 | 195.4 | 236.9 | 281.1 |
| 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 42.5° | 89.3 | 111.2 | 143.0 | 180.9 | 225.3 | 270.9 |
| 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 45° | 83.0 | 101.3 | 130.4 | 168.1 | 213.4 | 260.3 |
| 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 47.5° | 81.7 | 96.3 | 121.8 | 158.4 | 201.9 | 249.0 |
| 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 50° | 83.0 | 96.5 | 118.0 | 152.3 | 193.1 | 238.9 |
| 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 52.5° | 85.7 | 98.8 | 118.4 | 150.0 | 189.5 | 232.8 |
| 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 55° | 90.0 | 104.9 | 123.2 | 152.0 | 189.0 | 230.3 |
| 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 57.5° | 98.6 | 115.5 | 134.0 | 160.4 | 194.5 | 233.0 |
| 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 60° | 109.4 | 129.7 | 152.0 | 180.0 | 207.5 | 242.0 |
| 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 62.5° | 115.9 | 143.7 | 174.4 | 206.9 | 235.1 | 263.3 |
| 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 65° | 115.3 | 149.5 | 192.9 | 239.1 | 274.3 | 301.4 |
| 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 67.5° | 107.8 | 145.3 | 188.4 | 240.9 | 293.9 | 332.1 |
| | | | | | | 70° | 90.0 | 125.0 | 175.3 | 238.6 | 303.9 | 352.8 |
| | | | | | | 72.5° | 71.7 | 102.6 | 150.7 | 210.5 | 274.7 | 324.8 |
| | | | | | | 75° | 47.8 | 72.4 | 111.2 | 161.5 | 208.2 | 251.8 |
| | | | | | | 77.5° | 32.5 | 45.8 | 69.5 | 106.0 | 144.6 | 180.2 |
| | | | | | | 80° | 21.7 | 28.7 | 39.7 | 58.4 | 81.0 | 103.8 |
| | | | | | | 82.5° | 12.6 | 15.8 | 20.3 | 28.9 | 42.9 | 60.4 |
| | | | | | | 85° | 3.4 | 4.3 | 5.6 | 7.4 | 13.3 | 23.5 |
| | | | | | | 87.5° | 1.4 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | | 90° | 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 |
| | | | | | | 95° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | 97.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | | | | 100° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| | | | | | | 102.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | | | | | 105° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| | | | | | | 107.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| | | | | | | 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |



REPORT NUMBER: P173428

CATALOG NUMBER: ENC-FXX-LED-E1-SLL-8030-ULG-BBB

CANDELA DISTRIBUTION (continued):

| 360° | | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|------|------|------|------|------|------|------|
| 146.4 | 112.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 149.5 | 115° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 153.2 | 117.5° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 157.4 | 120° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 164.0 | 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 173.5 | 125° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 190.4 | 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 |
| 212.3 | 130° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 239.1 | 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 269.3 | 135° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 |
| 303.9 | 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 325.1 | 140° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 329.6 | 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 332.7 | 145° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| 333.6 | 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 332.3 | 150° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 326.9 | 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 319.9 | 155° | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 311.1 | 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 300.3 | 160° | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 290.1 | 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 282.2 | 165° | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 277.2 | 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 277.9 | 170° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| 284.9 | 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| 302.5 | 175° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 335.9 | 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| 368.6 | 180° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| 400.2 | | | | | | | | |
| 379.4 | | | | | | | | |
| 289.6 | | | | | | | | |
| 208.4 | | | | | | | | |
| 120.9 | | | | | | | | |
| 75.6 | | | | | | | | |
| 32.7 | | | | | | | | |
| 1.1 | | | | | | | | |
| 0.0 | | | | | | | | |
| 0.0 | | | | | | | | |
| 0.2 | | | | | | | | |
| 0.5 | | | | | | | | |
| 1.6 | | | | | | | | |
| 2.8 | | | | | | | | |
| 3.8 | | | | | | | | |
| 4.8 | | | | | | | | |
| 5.8 | | | | | | | | |

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

Scaled Data Report



(REPORT)