

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: P173345

Luminaire Tested: **ENC-FXX-LED-E1-BL2-7060-ULG-CWB**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P173345
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-BL2-7060-ULG-CWB
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE
LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (14) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1604 lumens
Efficiency: N/A
Efficacy: 291.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - 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

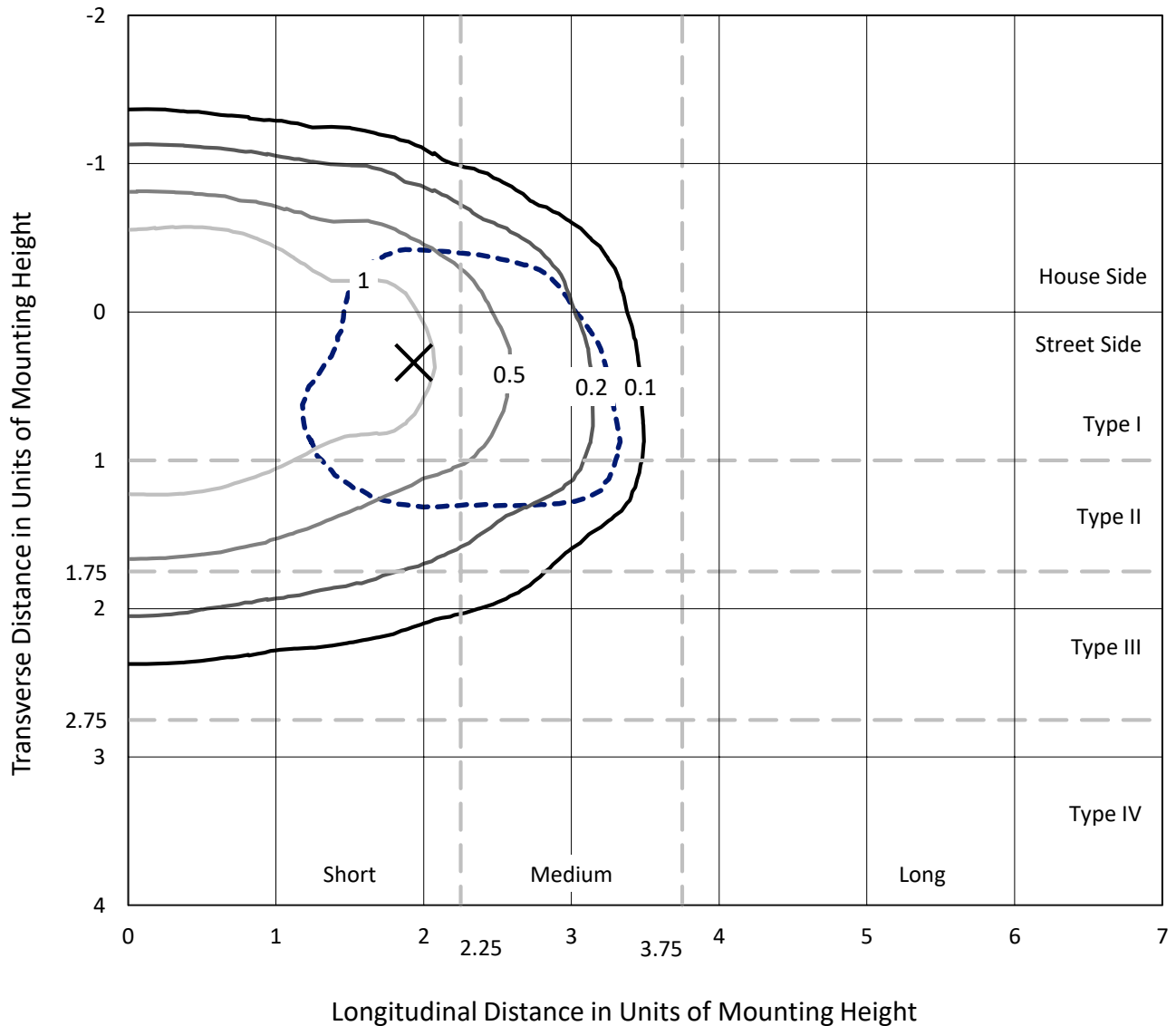


REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

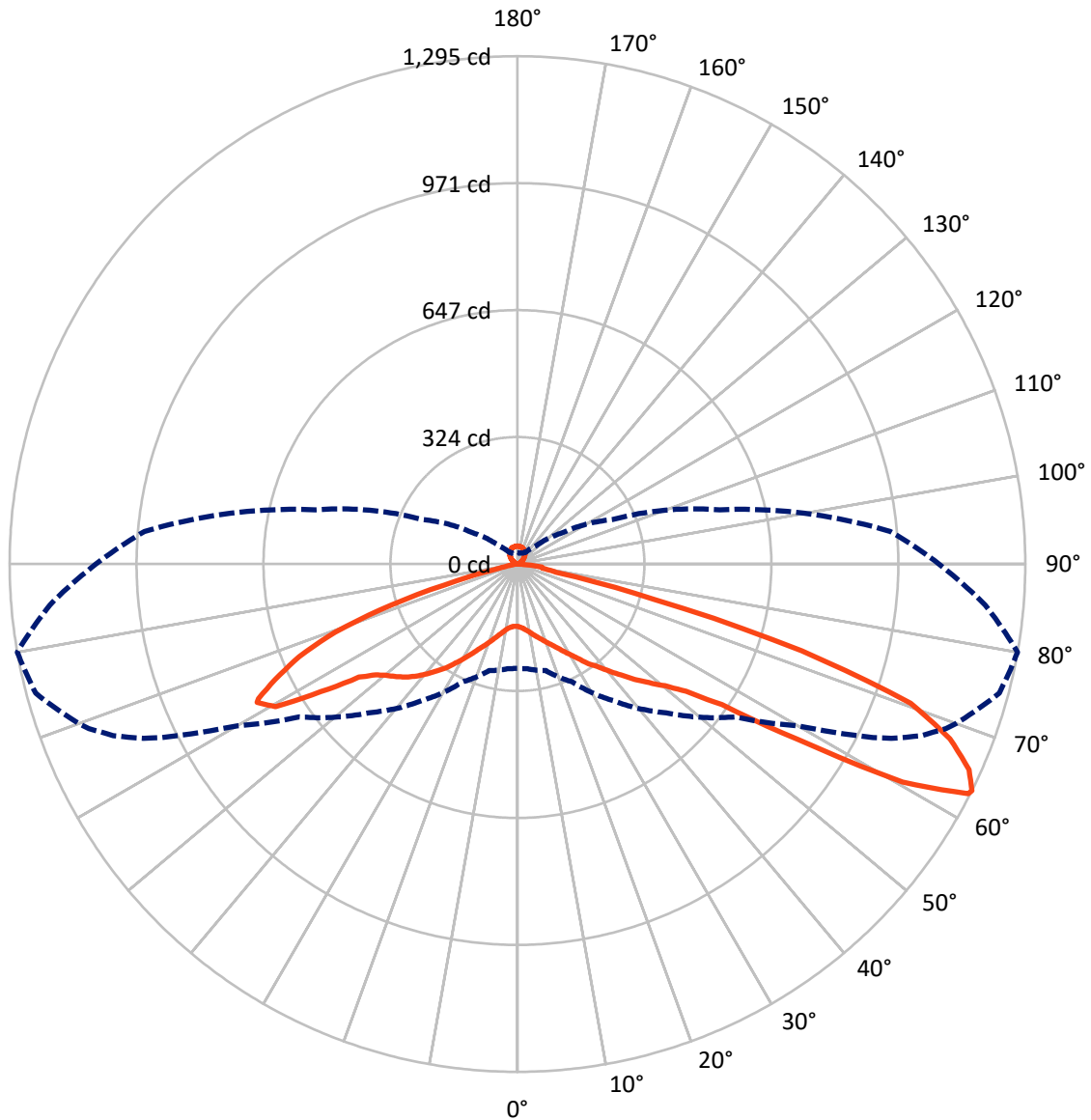


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

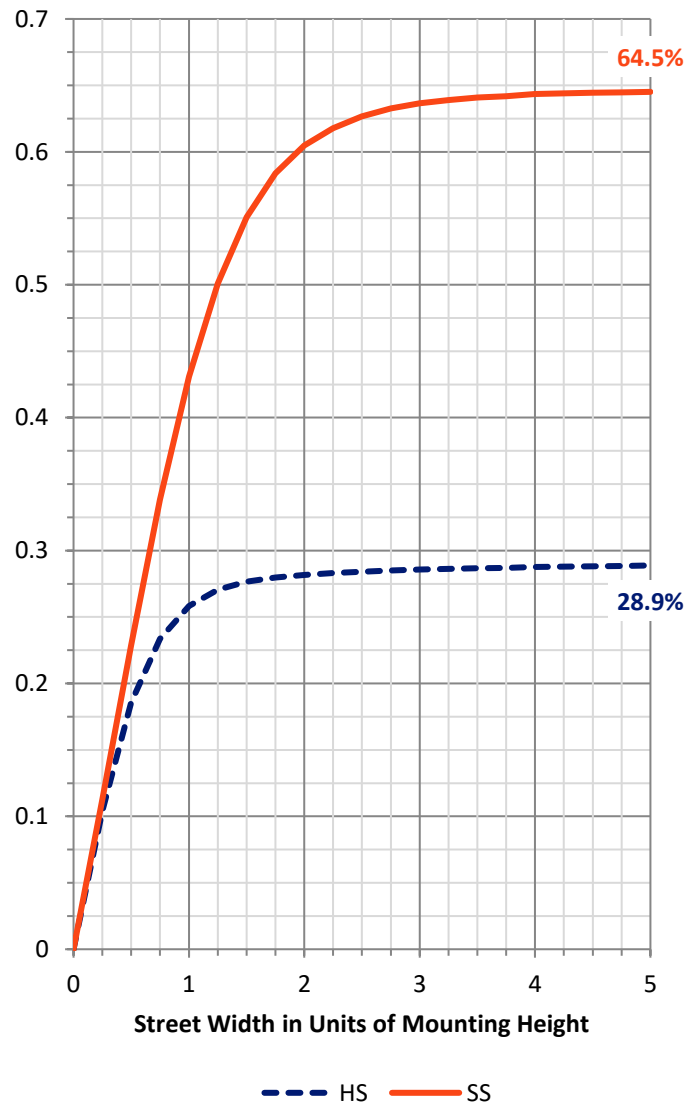
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 467.7 | 51.1 | 518.8 |
| | % Fixture | 29.2 | 3.2 | 32.3 |
| Street Side | Lumens | 1034.1 | 51.1 | 1085.2 |
| | % Fixture | 64.5 | 3.2 | 67.7 |
| Total | Lumens | 1501.9 | 102.1 | 1604.0 |
| | % Fixture | 93.6 | 6.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.9 | 1.0 |
| 10°-20° | 54.7 | 3.4 |
| 20°-30° | 102.7 | 6.4 |
| 30°-40° | 163.1 | 10.2 |
| 40°-50° | 246.1 | 15.3 |
| 50°-60° | 346.0 | 21.6 |
| 60°-70° | 403.7 | 25.2 |
| 70°-80° | 156.0 | 9.7 |
| 80°-90° | 13.6 | 0.8 |
| 90°-100° | 0.4 | 0.0 |
| 100°-110° | 4.0 | 0.2 |
| 110°-120° | 8.2 | 0.5 |
| 120°-130° | 13.9 | 0.9 |
| 130°-140° | 19.4 | 1.2 |
| 140°-150° | 21.2 | 1.3 |
| 150°-160° | 18.4 | 1.1 |
| 160°-170° | 12.4 | 0.8 |
| 170°-180° | 4.3 | 0.3 |
| 0°-90° | 1501.9 | 93.6 |
| 0°-180° | 1604.0 | 100.0 |



REPORT NUMBER: P173345

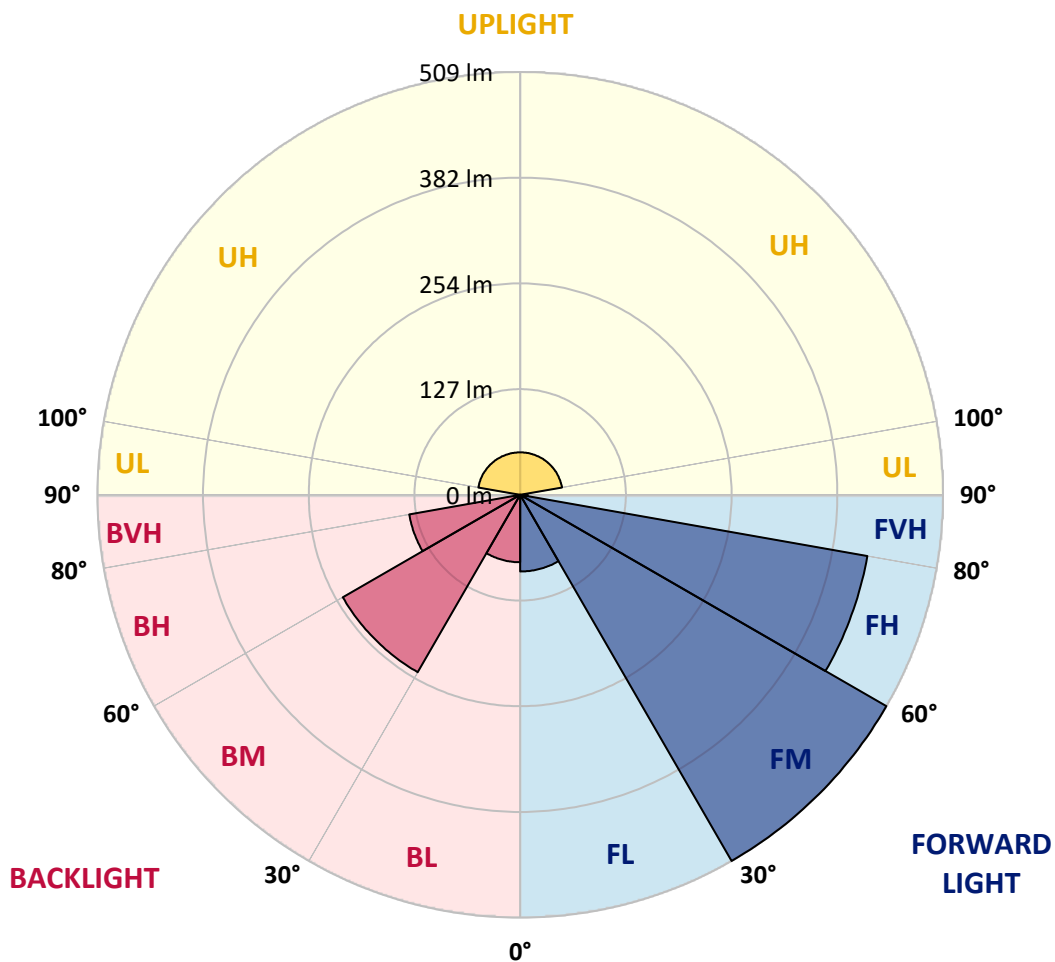
CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 92.2 | 5.8 | | | |
| FM | (30°-60°) | 508.7 | 31.7 | | | |
| FH | (60°-80°) | 424.1 | 26.4 | | | G0/660 |
| FVH | (80°-90°) | 9.0 | 0.6 | | | G0/10 |
| BL | (0°-30°) | 81.1 | 5.1 | B0/110 | | |
| BM | (30°-60°) | 246.5 | 15.4 | B1/1000 | | |
| BH | (60°-80°) | 135.6 | 8.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 4.5 | 0.3 | | | G0/10 |
| UL | (90°-100°) | 0.4 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 51.1 | 3.2 | | U3/500 | |

BUG Rating: B1-U3-G1

Type II Short





REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 167.0 | 166.5 | 166.7 | 166.5 | 166.5 | 165.9 | 164.3 | 164.3 | 164.0 | 164.3 | 163.7 |
| 5° | 176.1 | 175.8 | 175.5 | 175.0 | 175.0 | 173.9 | 171.1 | 170.6 | 170.8 | 170.3 | 169.2 |
| 7.5° | 186.2 | 185.9 | 185.4 | 184.3 | 183.7 | 182.1 | 178.3 | 177.7 | 177.5 | 176.9 | 176.1 |
| 10° | 196.4 | 196.1 | 195.3 | 193.9 | 192.5 | 190.0 | 186.2 | 184.8 | 184.6 | 184.3 | 183.5 |
| 12.5° | 206.8 | 206.0 | 206.2 | 203.8 | 201.6 | 198.6 | 194.2 | 192.8 | 192.5 | 192.3 | 192.0 |
| 15° | 218.3 | 218.0 | 217.5 | 214.2 | 210.1 | 206.0 | 201.6 | 199.9 | 198.8 | 199.1 | 198.8 |
| 17.5° | 229.3 | 229.0 | 227.1 | 222.4 | 216.9 | 212.3 | 206.8 | 205.7 | 205.7 | 205.4 | 205.4 |
| 20° | 237.2 | 237.0 | 235.0 | 229.3 | 222.1 | 216.9 | 212.5 | 212.5 | 212.3 | 212.5 | 212.8 |
| 22.5° | 240.8 | 240.8 | 238.3 | 232.0 | 224.3 | 220.5 | 219.1 | 220.0 | 220.2 | 220.5 | 221.0 |
| 25° | 242.2 | 242.2 | 239.7 | 232.3 | 225.1 | 225.7 | 227.3 | 228.7 | 229.3 | 229.3 | 231.2 |
| 27.5° | 244.6 | 244.9 | 241.6 | 233.7 | 227.9 | 233.1 | 237.2 | 239.1 | 240.0 | 240.5 | 243.0 |
| 30° | 252.0 | 251.8 | 249.0 | 240.5 | 236.1 | 243.5 | 250.9 | 252.9 | 254.8 | 254.8 | 257.5 |
| 32.5° | 263.0 | 262.7 | 261.1 | 254.5 | 252.6 | 261.9 | 268.5 | 272.6 | 272.3 | 272.9 | 274.8 |
| 35° | 277.5 | 277.8 | 278.9 | 277.3 | 278.9 | 288.2 | 295.6 | 297.3 | 297.6 | 297.8 | 298.1 |
| 37.5° | 294.0 | 294.3 | 300.3 | 305.5 | 312.9 | 326.6 | 331.0 | 331.9 | 329.9 | 329.9 | 329.4 |
| 40° | 306.3 | 307.7 | 321.1 | 334.9 | 350.5 | 369.2 | 375.7 | 374.1 | 372.7 | 371.6 | 368.3 |
| 42.5° | 331.6 | 332.4 | 346.7 | 366.4 | 388.4 | 414.1 | 425.7 | 420.1 | 419.9 | 414.9 | 412.5 |
| 45° | 356.8 | 359.0 | 374.4 | 396.6 | 422.9 | 458.5 | 475.5 | 470.9 | 470.1 | 467.9 | 461.0 |
| 47.5° | 376.8 | 379.8 | 396.8 | 423.2 | 453.3 | 494.5 | 524.9 | 528.2 | 526.3 | 523.8 | 518.3 |
| 50° | 393.8 | 396.3 | 413.6 | 442.4 | 476.9 | 521.9 | 565.5 | 577.3 | 579.0 | 577.9 | 576.5 |
| 52.5° | 404.8 | 407.3 | 424.3 | 455.0 | 490.6 | 542.2 | 595.7 | 619.0 | 623.9 | 623.6 | 629.4 |
| 55° | 405.1 | 407.8 | 425.4 | 459.1 | 498.3 | 556.2 | 623.6 | 660.4 | 666.4 | 673.8 | 686.2 |
| 57.5° | 390.0 | 392.7 | 414.7 | 453.6 | 500.5 | 567.2 | 650.8 | 715.5 | 732.0 | 746.5 | 780.5 |
| 60° | 348.0 | 349.1 | 373.3 | 425.4 | 490.1 | 564.7 | 671.4 | 763.0 | 786.3 | 817.8 | 872.7 |
| 62.5° | 283.6 | 285.8 | 300.6 | 351.3 | 441.5 | 543.0 | 679.6 | 815.9 | 854.3 | 900.4 | 988.1 |
| 63° | 265.7 | 267.7 | 281.4 | 331.6 | 425.1 | 536.2 | 679.3 | 824.4 | 866.6 | 914.1 | 1008.7 |
| 65° | 205.1 | 205.7 | 215.8 | 253.7 | 348.9 | 486.3 | 664.5 | 812.3 | 865.8 | 921.2 | 1020.5 |
| 67.5° | 165.4 | 167.3 | 177.5 | 204.0 | 275.6 | 408.4 | 598.2 | 703.7 | 740.2 | 794.8 | 913.0 |
| 70° | 129.4 | 132.7 | 142.3 | 172.5 | 235.0 | 328.8 | 503.3 | 587.4 | 609.9 | 636.0 | 736.4 |
| 72.5° | 85.6 | 86.4 | 88.0 | 104.8 | 164.0 | 255.9 | 418.8 | 476.1 | 484.9 | 503.5 | 552.6 |
| 75° | 40.3 | 43.3 | 45.8 | 54.3 | 79.3 | 167.6 | 303.6 | 338.1 | 348.6 | 368.1 | 385.9 |
| 77.5° | 17.5 | 17.3 | 18.4 | 25.0 | 41.7 | 74.6 | 188.9 | 249.8 | 253.4 | 249.0 | 241.3 |
| 80° | 5.5 | 5.8 | 6.0 | 6.6 | 13.2 | 35.6 | 81.7 | 167.8 | 185.4 | 197.2 | 193.9 |
| 82.5° | 0.6 | 0.3 | 0.8 | 1.7 | 2.8 | 5.2 | 30.7 | 78.7 | 99.0 | 121.5 | 150.3 |
| 85° | 0.0 | 0.0 | 0.3 | 0.3 | 0.6 | 1.1 | 1.9 | 8.2 | 13.7 | 15.9 | 31.5 |
| 87.5° | 0.0 | 0.0 | 0.3 | 0.3 | 0.6 | 0.8 | 0.8 | 1.1 | 1.1 | 1.1 | 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° | 0.2 | 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 |



REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 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: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 163.5 | 163.5 | 162.9 | 163.2 | 162.9 | 162.9 | 162.4 | 161.8 | 161.5 | 160.2 | 159.4 |
| 5° | 169.2 | 169.2 | 168.9 | 168.4 | 168.4 | 168.1 | 166.7 | 165.4 | 164.5 | 162.9 | 161.3 |
| 7.5° | 175.8 | 175.5 | 175.0 | 174.4 | 174.4 | 174.2 | 172.2 | 170.8 | 169.2 | 166.7 | 164.8 |
| 10° | 183.5 | 183.2 | 182.7 | 181.8 | 181.8 | 181.6 | 179.6 | 177.5 | 176.1 | 173.1 | 170.6 |
| 12.5° | 191.7 | 190.9 | 190.6 | 190.0 | 189.5 | 189.5 | 187.8 | 185.7 | 184.6 | 181.3 | 178.8 |
| 15° | 198.6 | 198.0 | 197.7 | 197.5 | 197.2 | 196.7 | 195.3 | 193.4 | 192.5 | 189.8 | 187.8 |
| 17.5° | 205.1 | 205.1 | 205.4 | 204.9 | 204.6 | 204.0 | 203.2 | 202.7 | 201.8 | 199.4 | 198.3 |
| 20° | 212.8 | 212.8 | 213.4 | 213.1 | 212.8 | 213.7 | 213.4 | 213.1 | 213.1 | 210.9 | 210.1 |
| 22.5° | 221.9 | 221.6 | 222.4 | 222.1 | 222.4 | 223.2 | 224.3 | 223.8 | 224.9 | 223.5 | 223.0 |
| 25° | 232.3 | 232.0 | 232.8 | 233.4 | 234.0 | 234.5 | 236.7 | 237.2 | 238.6 | 238.3 | 237.2 |
| 27.5° | 244.1 | 244.3 | 244.6 | 246.0 | 246.8 | 247.4 | 250.4 | 252.0 | 254.8 | 253.7 | 254.8 |
| 30° | 257.8 | 259.2 | 260.3 | 261.6 | 261.9 | 262.5 | 267.4 | 269.0 | 270.4 | 271.2 | 272.9 |
| 32.5° | 276.7 | 277.5 | 277.8 | 279.5 | 280.0 | 280.8 | 286.0 | 288.2 | 290.2 | 290.4 | 293.5 |
| 35° | 299.8 | 300.3 | 301.1 | 301.9 | 303.0 | 302.5 | 308.5 | 311.8 | 314.3 | 314.6 | 317.9 |
| 37.5° | 330.2 | 328.3 | 329.1 | 328.0 | 326.4 | 326.4 | 328.3 | 331.6 | 334.3 | 336.5 | 339.8 |
| 40° | 366.7 | 365.3 | 365.0 | 362.5 | 359.8 | 357.3 | 356.3 | 358.2 | 360.4 | 362.3 | 366.4 |
| 42.5° | 408.4 | 407.0 | 402.3 | 400.7 | 396.0 | 393.3 | 385.9 | 386.7 | 390.5 | 391.6 | 394.1 |
| 45° | 457.2 | 452.2 | 450.6 | 440.4 | 438.5 | 434.7 | 420.7 | 419.6 | 422.9 | 423.2 | 421.5 |
| 47.5° | 512.8 | 509.3 | 505.5 | 498.3 | 490.9 | 484.6 | 463.2 | 452.0 | 455.5 | 455.2 | 447.3 |
| 50° | 573.4 | 572.9 | 567.2 | 562.5 | 555.9 | 546.9 | 508.7 | 488.2 | 490.9 | 488.4 | 473.9 |
| 52.5° | 631.3 | 629.7 | 629.4 | 625.8 | 623.4 | 620.4 | 574.0 | 538.6 | 532.3 | 527.1 | 508.5 |
| 55° | 692.2 | 696.3 | 693.6 | 699.3 | 703.7 | 703.2 | 684.0 | 632.1 | 600.1 | 595.9 | 567.4 |
| 57.5° | 793.7 | 803.5 | 816.7 | 817.3 | 829.1 | 846.1 | 880.6 | 843.3 | 763.0 | 747.0 | 708.9 |
| 60° | 910.0 | 935.5 | 968.4 | 984.6 | 1009.8 | 1036.1 | 1122.8 | 1128.5 | 1016.1 | 954.7 | 884.7 |
| 62.5° | 1026.8 | 1060.3 | 1099.2 | 1124.4 | 1155.7 | 1176.3 | 1267.9 | 1289.8 | 1187.2 | 1074.0 | 958.8 |
| 63° | 1051.5 | 1085.8 | 1119.5 | 1144.2 | 1170.5 | 1189.4 | 1271.7 | 1294.7 | 1196.6 | 1074.2 | 954.1 |
| 65° | 1064.4 | 1096.5 | 1122.8 | 1144.7 | 1162.3 | 1175.2 | 1240.2 | 1265.1 | 1184.2 | 1034.5 | 901.7 |
| 67.5° | 966.5 | 1018.0 | 1051.2 | 1077.8 | 1095.6 | 1113.5 | 1173.2 | 1188.9 | 1131.5 | 957.1 | 822.2 |
| 70° | 800.0 | 859.5 | 911.9 | 953.3 | 984.0 | 1011.2 | 1074.0 | 1063.3 | 1013.9 | 831.8 | 697.4 |
| 72.5° | 588.5 | 640.4 | 691.4 | 738.3 | 778.3 | 812.9 | 854.3 | 757.5 | 682.3 | 553.2 | 482.7 |
| 75° | 395.7 | 407.0 | 430.3 | 453.6 | 468.2 | 478.0 | 452.5 | 360.6 | 292.9 | 262.7 | 229.8 |
| 77.5° | 233.7 | 226.0 | 226.8 | 221.0 | 217.2 | 216.4 | 181.6 | 100.9 | 53.2 | 54.3 | 57.0 |
| 80° | 186.5 | 178.0 | 168.9 | 158.8 | 152.2 | 145.1 | 118.2 | 64.7 | 23.1 | 18.6 | 19.5 |
| 82.5° | 150.8 | 148.6 | 143.7 | 133.3 | 122.9 | 110.5 | 84.5 | 62.3 | 13.2 | 10.4 | 11.2 |
| 85° | 29.3 | 32.9 | 29.6 | 32.4 | 24.1 | 22.8 | 13.4 | 14.5 | 5.2 | 4.7 | 5.8 |
| 87.5° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 2.2 |
| 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 |



REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 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: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 158.0 | 156.9 | 156.1 | 155.0 | 154.4 | 153.6 | 153.3 | 152.5 | 152.8 |
| 5° | 158.5 | 156.6 | 155.0 | 153.3 | 152.2 | 151.7 | 151.1 | 150.5 | 150.5 |
| 7.5° | 161.3 | 158.8 | 156.9 | 155.0 | 154.1 | 153.0 | 152.8 | 151.9 | 151.9 |
| 10° | 167.0 | 164.3 | 161.8 | 159.6 | 158.5 | 157.2 | 156.6 | 155.8 | 155.8 |
| 12.5° | 175.5 | 173.1 | 170.3 | 167.0 | 164.8 | 163.2 | 161.8 | 161.3 | 161.3 |
| 15° | 185.1 | 183.2 | 181.0 | 176.6 | 173.1 | 170.0 | 167.3 | 166.2 | 165.9 |
| 17.5° | 196.7 | 195.0 | 192.8 | 187.8 | 182.1 | 175.8 | 171.1 | 168.9 | 168.7 |
| 20° | 210.6 | 209.0 | 205.7 | 198.8 | 189.8 | 179.9 | 172.5 | 169.2 | 168.9 |
| 22.5° | 224.9 | 224.9 | 219.4 | 208.1 | 194.7 | 181.6 | 171.7 | 167.3 | 166.5 |
| 25° | 240.5 | 241.3 | 233.1 | 215.6 | 197.5 | 180.7 | 168.1 | 162.6 | 161.5 |
| 27.5° | 259.4 | 258.6 | 244.9 | 221.3 | 197.7 | 177.5 | 162.4 | 155.8 | 154.7 |
| 30° | 280.3 | 274.8 | 254.5 | 224.6 | 195.8 | 171.4 | 154.7 | 147.3 | 146.4 |
| 32.5° | 301.1 | 289.3 | 261.6 | 225.1 | 190.3 | 162.6 | 144.5 | 136.9 | 135.8 |
| 35° | 323.3 | 302.2 | 266.0 | 222.1 | 181.3 | 150.8 | 131.9 | 124.5 | 123.4 |
| 37.5° | 342.0 | 312.1 | 267.4 | 214.2 | 167.6 | 137.1 | 120.4 | 112.7 | 110.8 |
| 40° | 359.0 | 319.2 | 264.9 | 201.3 | 152.2 | 123.7 | 108.3 | 101.8 | 101.2 |
| 42.5° | 374.6 | 322.5 | 256.2 | 184.6 | 136.9 | 112.2 | 98.2 | 91.9 | 91.3 |
| 45° | 386.7 | 320.3 | 241.3 | 166.2 | 124.2 | 102.3 | 89.1 | 83.4 | 82.3 |
| 47.5° | 394.4 | 312.4 | 221.0 | 150.8 | 113.8 | 92.1 | 79.3 | 73.2 | 72.1 |
| 50° | 400.4 | 300.6 | 200.5 | 139.1 | 103.7 | 81.7 | 69.1 | 63.6 | 62.8 |
| 52.5° | 408.4 | 285.5 | 182.7 | 128.3 | 91.9 | 69.9 | 58.7 | 53.5 | 52.6 |
| 55° | 425.9 | 272.6 | 170.0 | 116.6 | 79.3 | 57.6 | 48.3 | 45.0 | 43.9 |
| 57.5° | 485.4 | 277.0 | 162.1 | 102.3 | 64.7 | 46.4 | 40.0 | 38.1 | 37.8 |
| 60° | 548.0 | 295.6 | 158.3 | 85.8 | 50.2 | 37.6 | 34.0 | 33.4 | 33.2 |
| 62.5° | 544.7 | 278.9 | 142.3 | 67.5 | 38.7 | 31.0 | 29.3 | 29.6 | 29.6 |
| 63° | 533.7 | 268.8 | 137.1 | 63.4 | 36.7 | 30.2 | 28.5 | 28.5 | 28.5 |
| 65° | 467.3 | 227.9 | 111.3 | 48.0 | 30.7 | 26.9 | 25.5 | 25.8 | 26.1 |
| 67.5° | 385.9 | 164.5 | 73.2 | 33.4 | 27.7 | 24.4 | 22.8 | 22.2 | 22.2 |
| 70° | 295.1 | 110.8 | 43.3 | 29.1 | 27.4 | 22.8 | 20.0 | 19.5 | 19.5 |
| 72.5° | 193.6 | 67.7 | 29.3 | 29.1 | 27.2 | 21.7 | 18.6 | 17.5 | 17.5 |
| 75° | 88.9 | 33.4 | 24.4 | 28.0 | 25.8 | 20.0 | 16.4 | 15.1 | 14.8 |
| 77.5° | 34.5 | 21.1 | 22.0 | 23.6 | 20.0 | 16.4 | 14.8 | 13.7 | 13.4 |
| 80° | 20.0 | 17.0 | 19.2 | 17.0 | 14.5 | 12.6 | 12.6 | 11.8 | 11.5 |
| 82.5° | 14.5 | 14.5 | 14.8 | 12.3 | 11.0 | 10.4 | 10.4 | 9.6 | 9.3 |
| 85° | 10.4 | 10.7 | 12.3 | 9.9 | 8.5 | 7.4 | 6.9 | 6.9 | 6.6 |
| 87.5° | 5.2 | 8.5 | 6.9 | 4.1 | 3.9 | 3.6 | 3.6 | 3.6 | 3.3 |
| 90° | 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 |
| 95° | 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 |
| 100° | 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 |
| 105° | 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 |



REPORT NUMBER: P173345

CATALOG NUMBER: ENC-FXX-LED-E1-BL2-7060-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 112.5° | 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 |
| 117.5° | 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 |
| 122.5° | 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 |
| 127.5° | 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 |
| 132.5° | 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 |
| 137.5° | 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 |
| 142.5° | 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 |
| 147.5° | 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 |
| 152.5° | 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 |
| 157.5° | 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 |
| 162.5° | 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 |
| 167.5° | 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 |
| 172.5° | 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 |
| 177.5° | 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 |

(END OF REPORT)