

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: P173289

Luminaire Tested: **ENC-EXX-LED-E1-GZW-8030-ULG-CWB**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P173289
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-EXX-LED-E1-GZW-8030-ULG-CWB
Description: ENTRI LED LUMINAIRE WITH UPLIGHT, EMERGENCY MODE
LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1624.1 lumens
Efficiency: N/A
Efficacy: 295.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Short - Semi-Cutoff
BUG Rating: B1 - U3 - G1

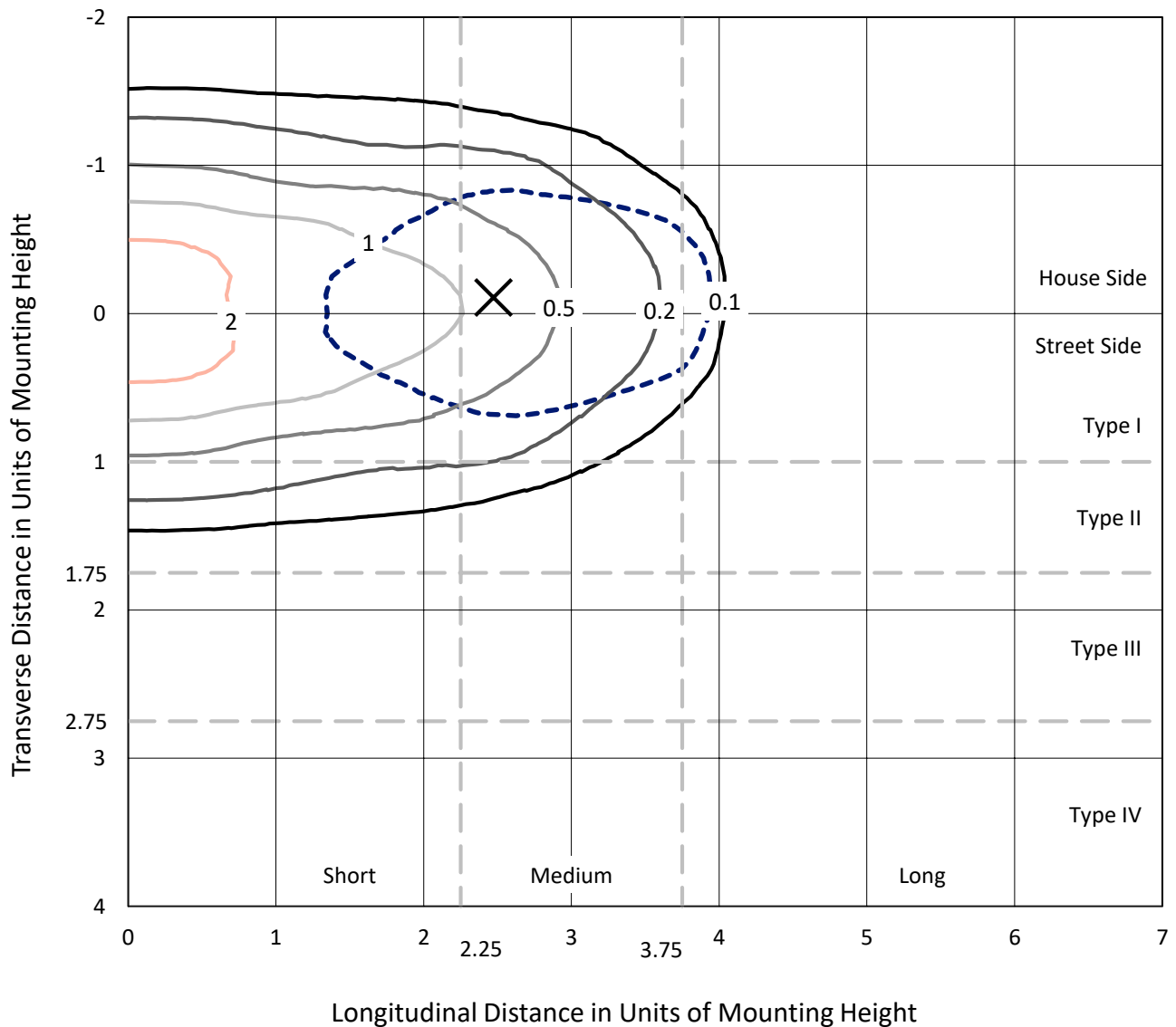
Input Watts (W): 5.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P173289
 CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

Iso-Footcandle Lines of Horizontal Illumination

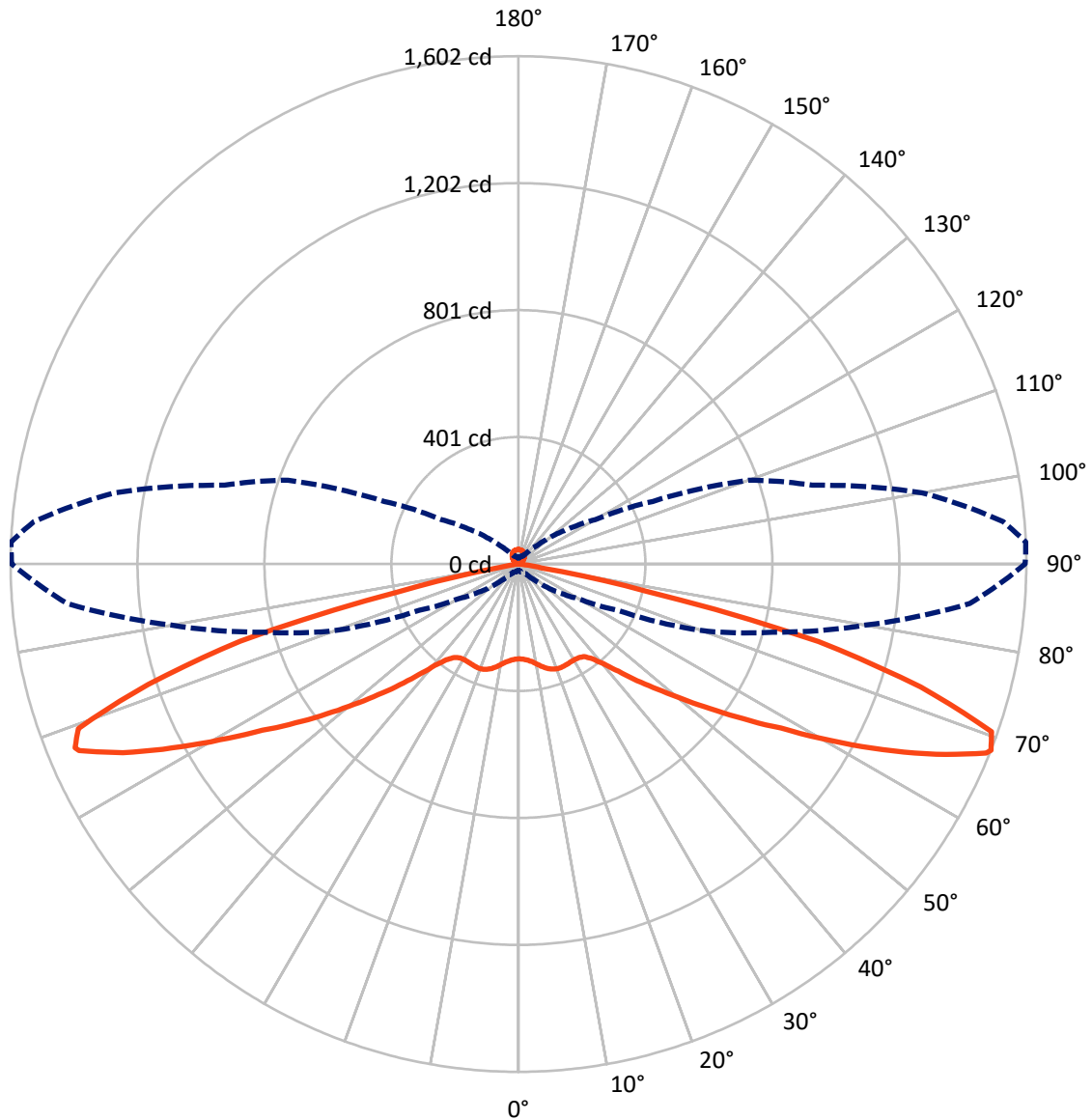
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type I - Short - Semi-Cutoff

REPORT NUMBER: P173289
CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

Luminous Intensity Polar Plot



— Vertical Plane Through 92.5-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P173289

CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

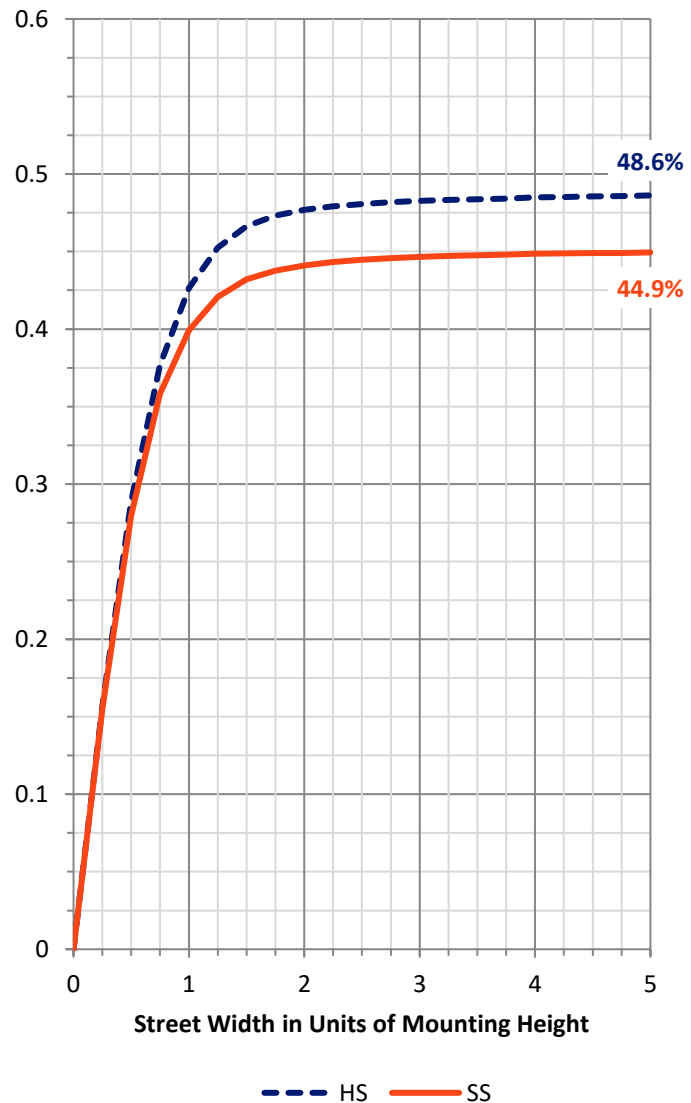
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 795.1 | 51.1 | 846.1 |
| | % Fixture | 49.0 | 3.1 | 52.1 |
| Street Side | Lumens | 726.9 | 51.1 | 777.9 |
| | % Fixture | 44.8 | 3.1 | 47.9 |
| Total | Lumens | 1521.9 | 102.1 | 1624.1 |
| | % Fixture | 93.7 | 6.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.4 | 1.8 |
| 10°-20° | 93.1 | 5.7 |
| 20°-30° | 150.9 | 9.3 |
| 30°-40° | 187.6 | 11.6 |
| 40°-50° | 233.2 | 14.4 |
| 50°-60° | 286.9 | 17.7 |
| 60°-70° | 339.2 | 20.9 |
| 70°-80° | 190.0 | 11.7 |
| 80°-90° | 11.5 | 0.7 |
| 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° | 1521.9 | 93.7 |
| 0°-180° | 1624.1 | 100.0 |



REPORT NUMBER: P173289

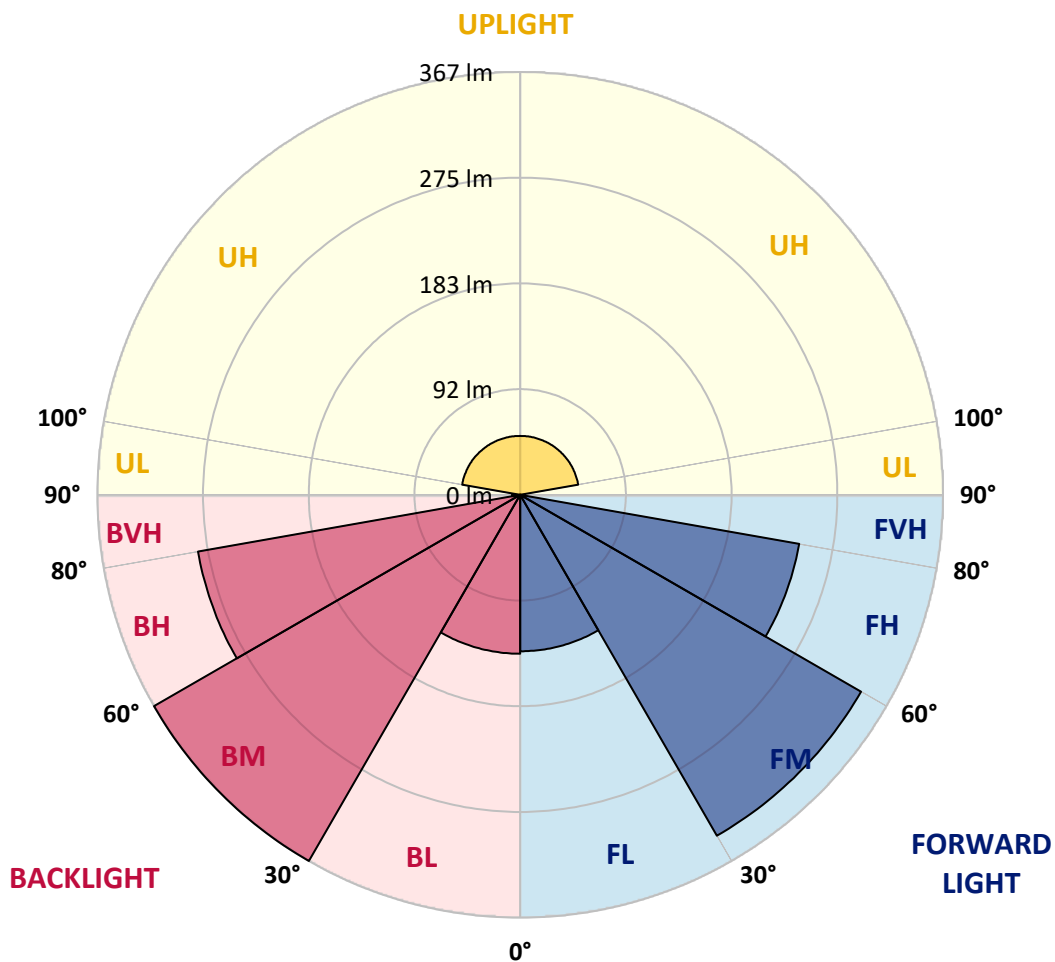
CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|--------|
| | | | B | U | G |
| FL (0°-30°) | 135.6 | 8.4 | | | |
| FM (30°-60°) | 341.2 | 21.0 | | | |
| FH (60°-80°) | 245.6 | 15.1 | | | G0/660 |
| FVH (80°-90°) | 4.4 | 0.3 | | | G0/10 |
| BL (0°-30°) | 137.8 | 8.5 | B1/500 | | |
| BM (30°-60°) | 366.6 | 22.6 | B1/1000 | | |
| BH (60°-80°) | 283.6 | 17.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.1 | 0.4 | | | G0/10 |
| UL (90°-100°) | 0.4 | 0.0 | | U1/10 | |
| UH (100°-180°) | 51.1 | 3.1 | | U3/500 | |

BUG Rating: B1-U3-G1

Type I Short





REPORT NUMBER: P173289

CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 |
| 2.5° | 300.6 | 300.6 | 300.6 | 300.8 | 301.1 | 301.7 | 301.4 | 301.9 | 301.1 | 302.2 | 302.2 |
| 5° | 304.1 | 304.4 | 304.7 | 304.7 | 305.2 | 305.5 | 305.2 | 306.1 | 305.2 | 306.3 | 306.6 |
| 7.5° | 307.4 | 307.4 | 307.7 | 308.0 | 308.5 | 309.1 | 309.3 | 310.1 | 309.9 | 311.0 | 312.0 |
| 10° | 309.9 | 309.6 | 309.9 | 310.4 | 311.8 | 312.6 | 313.7 | 314.8 | 315.3 | 316.4 | 318.1 |
| 12.5° | 311.0 | 310.7 | 311.5 | 312.9 | 314.2 | 315.9 | 317.5 | 320.0 | 321.6 | 323.2 | 325.7 |
| 15° | 310.4 | 310.4 | 311.5 | 313.1 | 315.9 | 318.9 | 321.9 | 325.2 | 328.2 | 331.7 | 334.2 |
| 17.5° | 305.2 | 305.8 | 307.4 | 310.1 | 314.2 | 318.9 | 323.8 | 329.3 | 334.2 | 339.1 | 342.4 |
| 20° | 295.9 | 296.5 | 299.5 | 302.8 | 308.2 | 315.1 | 322.7 | 330.6 | 338.3 | 344.8 | 349.5 |
| 22.5° | 284.5 | 283.9 | 286.6 | 291.0 | 298.4 | 306.6 | 316.4 | 328.2 | 338.6 | 347.9 | 354.4 |
| 25° | 266.7 | 266.7 | 269.7 | 275.2 | 283.1 | 293.2 | 305.2 | 320.3 | 334.2 | 346.2 | 355.5 |
| 27.5° | 247.8 | 248.1 | 252.0 | 256.6 | 265.6 | 275.2 | 289.1 | 306.6 | 323.5 | 339.4 | 353.0 |
| 30° | 229.0 | 229.8 | 233.1 | 237.7 | 247.3 | 257.4 | 271.6 | 288.8 | 307.1 | 326.8 | 345.4 |
| 32.5° | 209.6 | 210.7 | 213.4 | 218.9 | 229.3 | 240.5 | 254.9 | 270.2 | 287.7 | 309.3 | 333.4 |
| 35° | 191.3 | 192.1 | 194.3 | 200.8 | 211.5 | 223.5 | 239.6 | 254.4 | 272.2 | 292.1 | 318.6 |
| 37.5° | 174.1 | 174.9 | 177.4 | 184.2 | 194.8 | 206.9 | 222.7 | 239.4 | 257.7 | 277.4 | 303.6 |
| 40° | 155.5 | 157.4 | 160.7 | 167.2 | 177.1 | 190.7 | 206.9 | 224.3 | 243.7 | 266.1 | 292.9 |
| 42.5° | 138.5 | 140.2 | 143.2 | 148.9 | 158.8 | 173.2 | 190.2 | 208.2 | 229.3 | 254.7 | 285.0 |
| 45° | 123.0 | 124.3 | 127.3 | 132.5 | 142.9 | 154.4 | 169.7 | 188.6 | 210.4 | 239.6 | 276.5 |
| 47.5° | 107.9 | 109.3 | 112.6 | 118.9 | 127.3 | 138.5 | 152.2 | 168.9 | 189.1 | 218.9 | 260.4 |
| 50° | 92.9 | 94.3 | 97.5 | 103.8 | 112.0 | 123.0 | 135.5 | 150.5 | 170.5 | 196.2 | 236.9 |
| 52.5° | 76.5 | 77.9 | 81.2 | 87.4 | 95.4 | 105.7 | 118.6 | 134.2 | 152.8 | 177.1 | 210.7 |
| 55° | 58.8 | 60.7 | 63.7 | 68.9 | 77.3 | 87.7 | 100.6 | 117.5 | 136.4 | 160.1 | 191.3 |
| 57.5° | 42.3 | 43.7 | 47.3 | 51.4 | 58.5 | 69.4 | 80.9 | 98.4 | 119.4 | 143.7 | 174.6 |
| 60° | 30.9 | 32.2 | 34.7 | 38.0 | 42.9 | 50.8 | 60.9 | 77.3 | 100.6 | 127.9 | 159.6 |
| 62.5° | 25.7 | 26.8 | 29.2 | 32.5 | 35.3 | 39.1 | 45.1 | 57.7 | 80.3 | 110.7 | 144.0 |
| 65° | 22.7 | 23.5 | 25.7 | 29.0 | 31.1 | 32.8 | 35.3 | 43.7 | 62.3 | 92.1 | 128.7 |
| 67.5° | 20.2 | 21.0 | 22.7 | 25.4 | 27.9 | 28.7 | 30.0 | 35.8 | 48.9 | 74.9 | 112.6 |
| 68° | 19.9 | 20.8 | 22.1 | 24.6 | 27.1 | 27.9 | 29.2 | 35.0 | 47.6 | 71.3 | 108.2 |
| 70° | 18.6 | 19.1 | 20.5 | 22.4 | 24.3 | 24.9 | 26.5 | 32.2 | 44.5 | 62.3 | 87.7 |
| 72.5° | 16.9 | 17.2 | 18.0 | 19.7 | 21.6 | 21.9 | 23.5 | 28.1 | 35.0 | 45.9 | 65.3 |
| 75° | 14.2 | 14.5 | 15.6 | 16.9 | 18.0 | 18.6 | 19.1 | 21.3 | 23.8 | 28.4 | 38.5 |
| 77.5° | 10.9 | 11.5 | 12.3 | 13.1 | 14.8 | 15.3 | 14.8 | 16.4 | 17.5 | 19.4 | 23.5 |
| 80° | 6.6 | 6.6 | 7.4 | 8.2 | 9.0 | 10.4 | 9.8 | 11.5 | 12.3 | 13.4 | 15.9 |
| 82.5° | 1.1 | 1.4 | 1.4 | 1.9 | 2.5 | 3.0 | 3.3 | 4.1 | 5.2 | 6.3 | 8.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P173289

CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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: P173289

CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 92.5° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 |
| 2.5° | 300.6 | 301.4 | 301.4 | 301.1 | 301.1 | 301.1 | 300.3 | 300.6 | 300.8 | 301.7 | 300.6 |
| 5° | 305.0 | 305.8 | 305.5 | 305.2 | 305.2 | 305.2 | 304.1 | 304.4 | 304.7 | 305.2 | 304.1 |
| 7.5° | 310.7 | 311.5 | 311.8 | 311.8 | 311.8 | 312.3 | 310.7 | 310.7 | 311.2 | 311.8 | 310.1 |
| 10° | 319.2 | 319.2 | 320.0 | 320.5 | 321.1 | 321.6 | 320.5 | 320.0 | 321.1 | 321.1 | 319.2 |
| 12.5° | 327.1 | 327.6 | 329.0 | 330.1 | 330.4 | 331.5 | 331.5 | 331.2 | 332.0 | 331.7 | 329.6 |
| 15° | 336.1 | 336.6 | 337.7 | 339.1 | 339.4 | 340.5 | 340.5 | 340.8 | 341.6 | 342.1 | 338.8 |
| 17.5° | 344.6 | 345.4 | 345.4 | 345.6 | 346.2 | 347.0 | 347.6 | 347.9 | 348.7 | 349.2 | 345.9 |
| 20° | 351.7 | 352.5 | 351.1 | 350.1 | 349.0 | 349.5 | 350.6 | 351.7 | 352.2 | 352.5 | 348.4 |
| 22.5° | 357.1 | 357.4 | 355.2 | 352.2 | 349.2 | 349.0 | 350.3 | 352.2 | 352.8 | 352.5 | 346.7 |
| 25° | 360.2 | 361.0 | 358.8 | 354.1 | 348.7 | 346.7 | 348.1 | 350.6 | 351.7 | 350.6 | 343.7 |
| 27.5° | 360.2 | 363.2 | 362.1 | 357.1 | 349.8 | 344.6 | 345.4 | 349.2 | 350.1 | 348.7 | 340.8 |
| 30° | 357.4 | 363.7 | 365.1 | 362.1 | 354.4 | 345.4 | 344.3 | 348.7 | 349.8 | 347.3 | 339.4 |
| 32.5° | 352.0 | 363.4 | 368.9 | 369.2 | 363.2 | 352.0 | 346.5 | 350.9 | 351.7 | 348.7 | 342.1 |
| 35° | 344.3 | 363.2 | 373.8 | 379.0 | 377.1 | 365.9 | 356.3 | 359.1 | 358.5 | 355.2 | 352.8 |
| 37.5° | 335.8 | 363.2 | 380.9 | 393.0 | 397.3 | 391.6 | 379.0 | 377.6 | 379.0 | 374.1 | 372.7 |
| 40° | 326.5 | 364.0 | 391.0 | 412.3 | 425.5 | 427.4 | 416.2 | 412.3 | 414.0 | 409.3 | 411.2 |
| 42.5° | 321.1 | 365.1 | 404.4 | 435.0 | 460.4 | 479.8 | 474.9 | 463.4 | 462.6 | 463.2 | 467.3 |
| 45° | 318.3 | 367.8 | 417.8 | 460.7 | 496.2 | 539.4 | 544.1 | 523.6 | 524.7 | 527.6 | 533.9 |
| 47.5° | 315.3 | 373.0 | 433.4 | 487.5 | 535.3 | 595.9 | 618.6 | 591.1 | 588.9 | 600.1 | 602.0 |
| 50° | 304.4 | 379.3 | 451.1 | 517.5 | 576.3 | 659.6 | 695.4 | 667.3 | 667.8 | 678.2 | 674.4 |
| 52.5° | 279.3 | 379.5 | 470.0 | 547.6 | 617.3 | 722.5 | 776.9 | 758.3 | 756.9 | 767.0 | 746.8 |
| 55° | 244.6 | 362.3 | 485.3 | 577.1 | 656.1 | 780.9 | 861.0 | 865.1 | 862.4 | 864.0 | 820.3 |
| 57.5° | 216.7 | 320.0 | 486.9 | 602.0 | 688.9 | 836.4 | 947.4 | 976.9 | 977.1 | 970.1 | 892.5 |
| 60° | 198.7 | 272.4 | 465.6 | 622.5 | 727.1 | 907.2 | 1059.9 | 1126.1 | 1129.9 | 1100.9 | 988.9 |
| 62.5° | 183.6 | 248.4 | 421.6 | 643.5 | 771.1 | 978.8 | 1181.3 | 1290.0 | 1290.3 | 1241.9 | 1095.2 |
| 65° | 171.9 | 235.3 | 373.3 | 635.6 | 805.0 | 1048.2 | 1309.7 | 1455.1 | 1448.0 | 1394.7 | 1196.0 |
| 67.5° | 158.8 | 223.5 | 350.9 | 623.3 | 834.0 | 1112.4 | 1422.8 | 1589.8 | 1591.7 | 1526.1 | 1289.5 |
| 68° | 156.0 | 219.2 | 345.1 | 612.9 | 830.7 | 1110.2 | 1428.8 | 1598.8 | 1602.1 | 1534.6 | 1293.6 |
| 70° | 134.4 | 191.3 | 300.3 | 535.3 | 771.7 | 1050.9 | 1390.6 | 1573.4 | 1583.5 | 1508.1 | 1247.9 |
| 72.5° | 89.6 | 132.3 | 200.6 | 378.2 | 594.6 | 835.0 | 1138.4 | 1317.9 | 1326.4 | 1275.5 | 1036.5 |
| 75° | 56.9 | 80.3 | 106.6 | 218.1 | 399.5 | 599.3 | 858.3 | 962.9 | 976.9 | 960.2 | 776.0 |
| 77.5° | 34.4 | 56.3 | 65.6 | 105.7 | 210.4 | 280.3 | 387.7 | 394.6 | 410.4 | 400.6 | 402.2 |
| 80° | 22.7 | 39.1 | 47.8 | 71.9 | 72.9 | 60.4 | 68.6 | 69.1 | 73.2 | 77.9 | 81.2 |
| 82.5° | 12.9 | 23.8 | 33.3 | 49.2 | 43.4 | 22.4 | 19.1 | 19.9 | 20.5 | 21.0 | 24.9 |
| 85° | 1.9 | 4.4 | 9.3 | 15.3 | 15.6 | 7.4 | 6.8 | 6.3 | 6.6 | 7.1 | 9.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.8 | 0.8 | 0.8 | 1.7 | 1.7 |
| 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 |



REPORT NUMBER: P173289

CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 92.5° | 95° | 100° |
|--------|------|------|------|------|------|------|------|------|-------|------|------|
| 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: P173289

CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 | 299.2 |
| 2.5° | 300.3 | 300.0 | 300.3 | 299.5 | 300.3 | 300.0 | 300.0 | 300.0 | 299.8 | 300.0 | 300.0 |
| 5° | 303.6 | 303.6 | 303.6 | 303.0 | 303.6 | 303.6 | 303.6 | 303.6 | 303.3 | 303.6 | 303.9 |
| 7.5° | 309.9 | 309.9 | 309.6 | 308.8 | 309.3 | 309.3 | 309.1 | 308.5 | 308.0 | 308.2 | 308.0 |
| 10° | 318.3 | 318.9 | 317.3 | 317.3 | 316.4 | 315.3 | 314.5 | 313.7 | 313.4 | 312.9 | 311.8 |
| 12.5° | 328.7 | 328.5 | 326.3 | 325.4 | 324.9 | 322.7 | 321.1 | 320.3 | 319.2 | 317.8 | 316.2 |
| 15° | 338.0 | 336.9 | 335.3 | 334.4 | 333.6 | 331.2 | 329.0 | 327.1 | 325.7 | 323.8 | 321.3 |
| 17.5° | 344.3 | 343.2 | 342.4 | 342.1 | 342.1 | 339.9 | 338.0 | 335.5 | 332.5 | 329.0 | 324.9 |
| 20° | 345.6 | 345.6 | 345.9 | 347.6 | 349.2 | 348.4 | 346.2 | 343.2 | 338.8 | 333.1 | 326.8 |
| 22.5° | 343.7 | 344.8 | 347.3 | 351.4 | 354.9 | 355.2 | 353.0 | 348.7 | 341.3 | 333.1 | 323.8 |
| 25° | 340.5 | 343.5 | 348.7 | 354.4 | 359.3 | 359.3 | 355.5 | 349.2 | 339.1 | 327.4 | 315.1 |
| 27.5° | 338.8 | 344.8 | 352.2 | 358.2 | 361.5 | 359.6 | 352.8 | 343.7 | 329.8 | 314.8 | 300.6 |
| 30° | 340.8 | 350.1 | 358.0 | 362.1 | 362.6 | 356.3 | 344.6 | 331.2 | 314.8 | 296.8 | 282.3 |
| 32.5° | 347.9 | 359.1 | 365.1 | 365.9 | 362.1 | 350.3 | 332.0 | 313.4 | 295.1 | 278.4 | 263.7 |
| 35° | 362.3 | 371.9 | 374.1 | 370.8 | 361.3 | 341.6 | 315.3 | 293.5 | 277.1 | 261.2 | 245.9 |
| 37.5° | 385.8 | 390.2 | 386.1 | 376.5 | 358.5 | 330.9 | 300.0 | 278.7 | 261.2 | 245.6 | 228.7 |
| 40° | 419.2 | 414.3 | 402.5 | 383.7 | 355.5 | 319.2 | 288.0 | 266.7 | 247.3 | 230.1 | 213.1 |
| 42.5° | 460.7 | 443.5 | 419.2 | 391.8 | 352.2 | 311.5 | 279.3 | 254.7 | 233.4 | 214.2 | 196.5 |
| 45° | 507.1 | 475.2 | 442.1 | 401.1 | 351.1 | 306.9 | 268.9 | 239.9 | 215.0 | 195.9 | 178.4 |
| 47.5° | 554.4 | 508.8 | 465.3 | 411.2 | 352.5 | 298.7 | 253.0 | 220.5 | 194.5 | 176.0 | 159.6 |
| 50° | 602.3 | 546.5 | 492.4 | 424.4 | 351.7 | 282.0 | 231.5 | 198.4 | 174.3 | 157.7 | 142.9 |
| 52.5° | 650.3 | 586.7 | 520.3 | 436.1 | 340.8 | 255.8 | 207.7 | 179.5 | 156.3 | 140.2 | 125.7 |
| 55° | 697.6 | 625.7 | 547.6 | 439.7 | 309.1 | 228.2 | 187.7 | 160.7 | 137.7 | 121.3 | 105.5 |
| 57.5° | 742.4 | 661.0 | 566.7 | 418.9 | 270.0 | 206.6 | 170.0 | 143.5 | 119.1 | 100.3 | 84.7 |
| 60° | 798.2 | 694.6 | 572.2 | 368.6 | 238.8 | 188.6 | 153.9 | 123.5 | 96.2 | 76.2 | 62.0 |
| 62.5° | 859.1 | 740.2 | 563.7 | 320.5 | 220.5 | 172.7 | 133.9 | 100.0 | 73.5 | 54.1 | 43.4 |
| 65° | 903.9 | 759.1 | 520.8 | 294.9 | 209.1 | 157.1 | 112.6 | 77.6 | 50.8 | 37.2 | 33.1 |
| 67.5° | 963.5 | 777.7 | 476.5 | 282.3 | 196.5 | 136.9 | 86.9 | 56.0 | 39.3 | 30.9 | 28.4 |
| 68° | 959.4 | 772.5 | 467.3 | 279.0 | 192.6 | 129.8 | 82.0 | 54.9 | 38.3 | 30.0 | 27.6 |
| 70° | 903.9 | 708.8 | 405.8 | 247.3 | 159.6 | 101.1 | 70.5 | 50.0 | 35.3 | 27.3 | 25.1 |
| 72.5° | 741.6 | 549.8 | 291.0 | 162.9 | 103.8 | 74.0 | 52.2 | 37.7 | 29.2 | 24.1 | 22.4 |
| 75° | 524.9 | 343.7 | 145.9 | 93.7 | 65.3 | 42.9 | 29.5 | 24.3 | 21.6 | 19.1 | 19.1 |
| 77.5° | 295.1 | 179.8 | 77.1 | 64.2 | 36.9 | 24.9 | 19.7 | 18.3 | 16.9 | 15.6 | 17.2 |
| 80° | 96.2 | 93.7 | 56.9 | 44.0 | 25.7 | 18.3 | 15.3 | 14.5 | 13.7 | 12.3 | 15.3 |
| 82.5° | 51.9 | 64.2 | 41.0 | 31.4 | 18.8 | 13.1 | 11.5 | 11.8 | 10.7 | 9.6 | 11.5 |
| 85° | 23.2 | 30.6 | 27.3 | 21.9 | 11.8 | 7.4 | 6.0 | 7.1 | 6.3 | 5.7 | 5.5 |
| 87.5° | 9.0 | 15.0 | 10.9 | 6.3 | 2.7 | 1.7 | 1.7 | 1.4 | 1.1 | 1.1 | 0.8 |
| 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: P173289
 CATALOG NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | |
|--------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 110° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 0° |
| 112.5° | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 2.5° |
| 115° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 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 | 7.5° |
| 120° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 10° |
| 122.5° | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.5° |
| 125° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15° |
| 127.5° | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.9 | 17.5° |
| 130° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20° |
| 132.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.5° |
| 135° | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25.2 | 25° |
| 137.5° | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.5° |
| 140° | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 30° |
| 142.5° | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.5° |
| 145° | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 35° |
| 147.5° | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 37.5° |
| 150° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 40° |
| 152.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 42.5° |
| 155° | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 45° |
| 157.5° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 47.5° |
| 160° | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 50° |
| 162.5° | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 52.5° |
| 165° | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 55° |
| 167.5° | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 | 57.5° |
| 170° | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 60° |
| 172.5° | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 62.5° |
| 175° | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 65° |
| 177.5° | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 67.5° |
| 180° | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 68° |
| | | | | | | | | | | | | 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: P173289
 NUMBER: ENC-EXX-LED-E1-GZW-8030-ULG-CWB

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

| 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 299.2 | 299.2 | 299.2 | 299.2 | 299.2 |
| 299.2 | 299.2 | 298.9 | 298.7 | 298.1 |
| 303.0 | 303.0 | 302.8 | 302.5 | 301.9 |
| 307.1 | 306.9 | 306.6 | 306.3 | 305.8 |
| 311.5 | 311.0 | 311.0 | 311.2 | 311.0 |
| 315.9 | 315.1 | 314.2 | 314.0 | 314.8 |
| 320.3 | 318.6 | 317.3 | 317.0 | 317.0 |
| 322.7 | 320.0 | 317.5 | 316.7 | 316.7 |
| 322.2 | 317.3 | 314.0 | 312.3 | 312.6 |
| 317.0 | 310.1 | 305.8 | 303.6 | 302.8 |
| 306.1 | 297.9 | 292.4 | 289.4 | 289.6 |
| 289.6 | 280.9 | 274.9 | 273.3 | 271.6 |
| 270.2 | 261.5 | 255.5 | 252.0 | 252.2 |
| 251.1 | 241.6 | 236.1 | 232.0 | 231.5 |
| 232.8 | 222.4 | 215.9 | 212.9 | 212.3 |
| 214.8 | 203.8 | 197.8 | 195.1 | 193.2 |
| 198.1 | 188.3 | 181.2 | 177.1 | 176.3 |
| 181.7 | 170.5 | 163.4 | 160.4 | 159.6 |
| 163.1 | 152.5 | 146.2 | 143.7 | 143.2 |
| 146.5 | 136.4 | 131.2 | 127.9 | 126.8 |
| 130.3 | 120.8 | 114.8 | 111.8 | 111.2 |
| 113.4 | 103.8 | 97.5 | 95.1 | 92.9 |
| 94.8 | 84.7 | 78.4 | 74.0 | 72.4 |
| 73.2 | 64.2 | 57.7 | 54.7 | 51.6 |
| 52.4 | 44.5 | 39.3 | 36.9 | 34.7 |
| 37.2 | 32.0 | 28.7 | 26.2 | 24.9 |
| 30.6 | 28.1 | 24.6 | 22.4 | 21.3 |
| 27.1 | 24.6 | 21.9 | 19.9 | 19.1 |
| 26.5 | 24.1 | 21.3 | 19.4 | 18.8 |
| 24.3 | 21.9 | 19.4 | 18.0 | 17.5 |
| 21.6 | 19.7 | 17.5 | 16.1 | 15.6 |
| 18.6 | 16.7 | 15.3 | 14.2 | 13.4 |
| 16.4 | 13.7 | 13.1 | 12.0 | 11.5 |
| 13.7 | 12.3 | 11.2 | 10.4 | 9.8 |
| 11.2 | 9.3 | 7.9 | 7.1 | 6.8 |
| 6.3 | 5.7 | 4.6 | 3.6 | 3.3 |
| 0.6 | 0.3 | 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 |
| 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |

CANDELA DISTRIBUTION:

| | 160° |
|--------|------|
| 110° | 5.8 |
| 112.5° | 6.9 |
| 115° | 8.1 |
| 117.5° | 9.6 |
| 120° | 11.3 |
| 122.5° | 13.2 |
| 125° | 15.5 |
| 127.5° | 17.9 |
| 130° | 20.4 |
| 132.5° | 22.8 |
| 135° | 25.2 |
| 137.5° | 27.6 |
| 140° | 29.9 |
| 142.5° | 32.1 |
| 145° | 34.0 |
| 147.5° | 35.6 |
| 150° | 37.3 |
| 152.5° | 38.8 |
| 155° | 40.0 |
| 157.5° | 41.1 |
| 160° | 42.2 |
| 162.5° | 43.2 |
| 165° | 44.0 |
| 167.5° | 44.4 |
| 170° | 44.5 |
| 172.5° | 44.9 |
| 175° | 45.5 |
| 177.5° | 45.7 |
| 180° | 45.6 |

'173289

ENC-EXX-LED-E1-GZW-8030-ULG-CWB

TION (continued):

| 165° | 170° | 175° | 180° |
|------|------|------|------|
| 5.8 | 5.8 | 5.8 | 5.8 |
| 6.9 | 6.9 | 6.9 | 6.9 |
| 8.1 | 8.1 | 8.1 | 8.1 |
| 9.6 | 9.6 | 9.6 | 9.6 |
| 11.3 | 11.3 | 11.3 | 11.3 |
| 13.2 | 13.2 | 13.2 | 13.2 |
| 15.5 | 15.5 | 15.5 | 15.5 |
| 17.9 | 17.9 | 17.9 | 17.9 |
| 20.4 | 20.4 | 20.4 | 20.4 |
| 22.8 | 22.8 | 22.8 | 22.8 |
| 25.2 | 25.2 | 25.2 | 25.2 |
| 27.6 | 27.6 | 27.6 | 27.6 |
| 29.9 | 29.9 | 29.9 | 29.9 |
| 32.1 | 32.1 | 32.1 | 32.1 |
| 34.0 | 34.0 | 34.0 | 34.0 |
| 35.6 | 35.6 | 35.6 | 35.6 |
| 37.3 | 37.3 | 37.3 | 37.3 |
| 38.8 | 38.8 | 38.8 | 38.8 |
| 40.0 | 40.0 | 40.0 | 40.0 |
| 41.1 | 41.1 | 41.1 | 41.1 |
| 42.2 | 42.2 | 42.2 | 42.2 |
| 43.2 | 43.2 | 43.2 | 43.2 |
| 44.0 | 44.0 | 44.0 | 44.0 |
| 44.4 | 44.4 | 44.4 | 44.4 |
| 44.5 | 44.5 | 44.5 | 44.5 |
| 44.9 | 44.9 | 44.9 | 44.9 |
| 45.5 | 45.5 | 45.5 | 45.5 |
| 45.7 | 45.7 | 45.7 | 45.7 |
| 45.6 | 45.6 | 45.6 | 45.6 |

(END OF REPORT)