

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: P159936

Luminaire Tested: **ENC-F01-LED-E1-SLR-8030-ULG**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P159936
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND SCALED
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENC-F01-LED-E1-SLR-8030-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2011.8 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G1

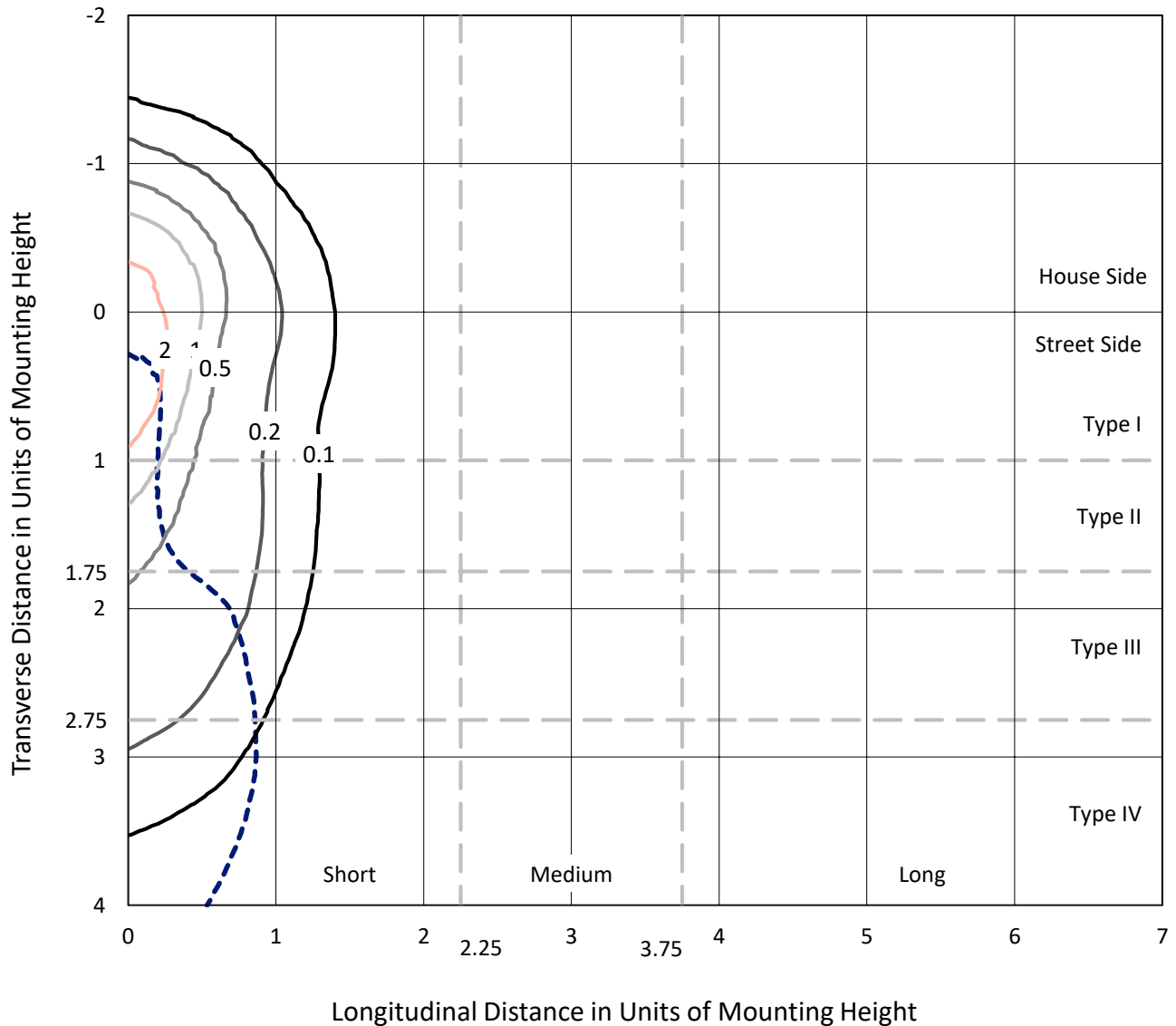
Input Watts (W): 33.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P159936
 CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

Iso-Footcandle Lines of Horizontal Illumination

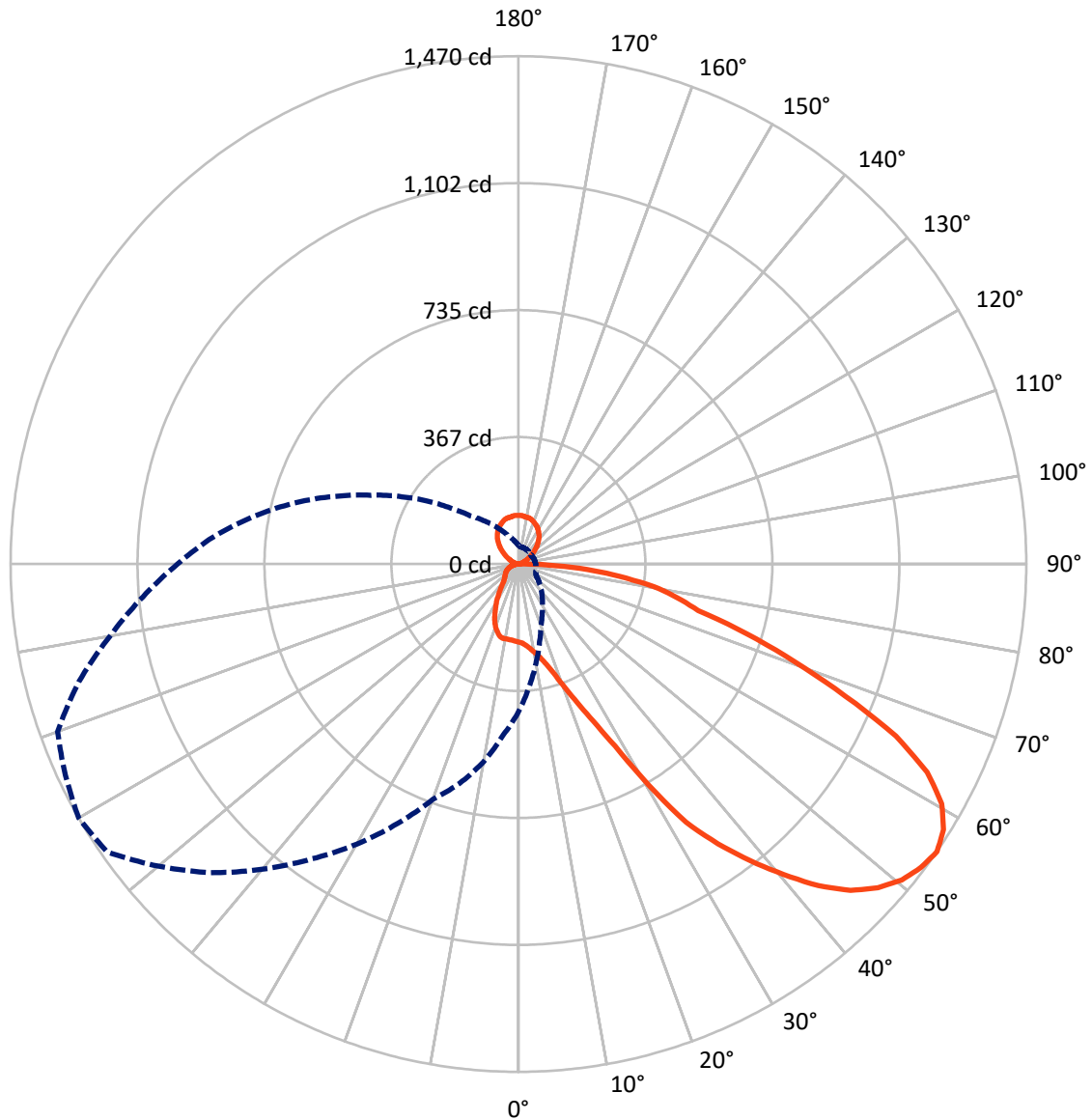
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P159936
CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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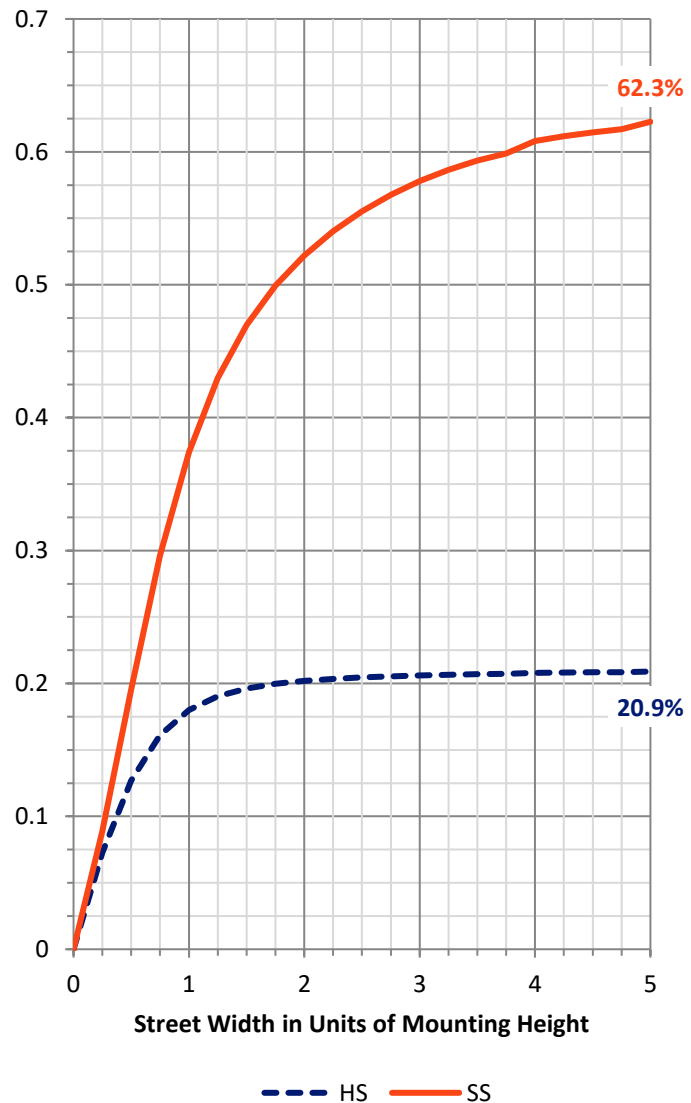
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 424.0 | 157.7 | 581.7 |
| | % Fixture | 21.1 | 7.8 | 28.9 |
| Street Side | Lumens | 1272.3 | 157.7 | 1430.0 |
| | % Fixture | 63.2 | 7.8 | 71.1 |
| Total | Lumens | 1696.3 | 315.5 | 2011.8 |
| | % Fixture | 84.3 | 15.7 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 22.3 | 1.1 |
| 10°-20° | 73.2 | 3.6 |
| 20°-30° | 142.1 | 7.1 |
| 30°-40° | 223.2 | 11.1 |
| 40°-50° | 298.4 | 14.8 |
| 50°-60° | 350.1 | 17.4 |
| 60°-70° | 332.2 | 16.5 |
| 70°-80° | 200.5 | 10.0 |
| 80°-90° | 54.3 | 2.7 |
| 90°-100° | 1.3 | 0.1 |
| 100°-110° | 12.3 | 0.6 |
| 110°-120° | 25.2 | 1.3 |
| 120°-130° | 43.0 | 2.1 |
| 130°-140° | 60.0 | 3.0 |
| 140°-150° | 65.4 | 3.2 |
| 150°-160° | 56.9 | 2.8 |
| 160°-170° | 38.2 | 1.9 |
| 170°-180° | 13.3 | 0.7 |
| 0°-90° | 1696.3 | 84.3 |
| 0°-180° | 2011.8 | 100.0 |



REPORT NUMBER: P159936

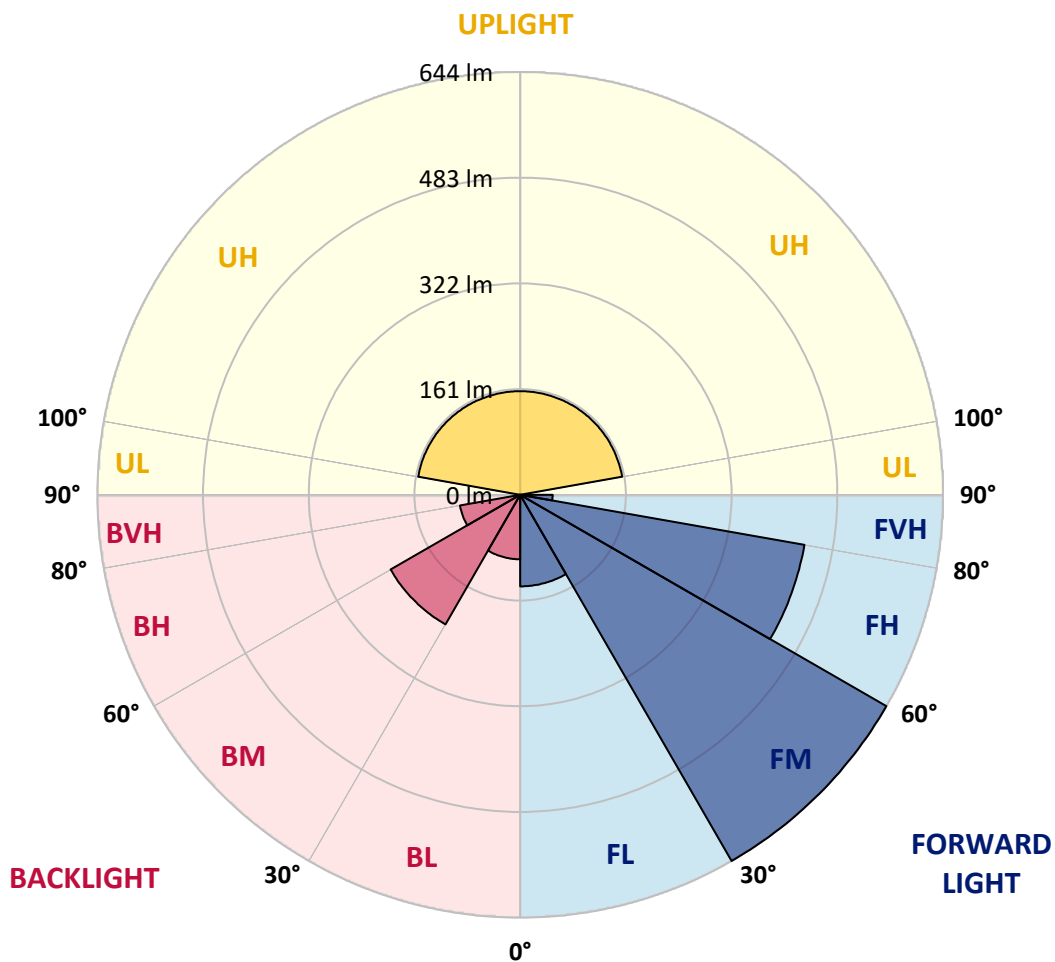
CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 139.4 | 6.9 | | | |
| FM | (30°-60°) | 643.9 | 32.0 | | | |
| FH | (60°-80°) | 439.6 | 21.8 | | | G0/660 |
| FVH | (80°-90°) | 49.4 | 2.5 | | | G1/100 |
| BL | (0°-30°) | 98.1 | 4.9 | B0/110 | | |
| BM | (30°-60°) | 227.8 | 11.3 | B1/1000 | | |
| BH | (60°-80°) | 93.1 | 4.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 4.9 | 0.2 | | | G0/10 |
| UL | (90°-100°) | 1.3 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 157.7 | 7.8 | | U3/500 | |

BUG Rating: B1-U3-G1

Type IV Short





REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 |
| 2.5° | 231.0 | 232.7 | 230.6 | 231.0 | 230.3 | 229.6 | 229.9 | 229.6 | 228.9 | 228.9 | 228.2 |
| 5° | 236.5 | 236.9 | 235.5 | 235.1 | 234.5 | 233.4 | 233.8 | 232.7 | 232.0 | 231.3 | 229.9 |
| 7.5° | 243.2 | 242.8 | 241.1 | 240.0 | 239.7 | 237.9 | 237.6 | 236.2 | 235.1 | 234.1 | 232.4 |
| 10° | 253.3 | 250.5 | 248.4 | 246.6 | 245.9 | 243.9 | 242.1 | 241.4 | 239.7 | 237.2 | 235.8 |
| 12.5° | 267.9 | 266.2 | 262.0 | 258.5 | 256.4 | 253.6 | 251.2 | 249.4 | 246.6 | 243.2 | 241.4 |
| 15° | 294.0 | 288.4 | 283.6 | 278.3 | 274.2 | 269.6 | 263.7 | 259.2 | 254.3 | 248.4 | 243.9 |
| 17.5° | 327.8 | 320.8 | 313.2 | 304.8 | 296.1 | 286.4 | 274.9 | 266.2 | 256.4 | 246.3 | 239.3 |
| 20° | 369.3 | 356.4 | 345.6 | 329.6 | 313.5 | 298.2 | 280.1 | 264.8 | 250.8 | 237.6 | 227.5 |
| 22.5° | 416.0 | 396.4 | 374.5 | 350.1 | 324.3 | 300.6 | 275.2 | 254.3 | 234.1 | 217.7 | 206.2 |
| 25° | 469.3 | 438.6 | 405.2 | 368.2 | 331.3 | 296.1 | 264.8 | 238.6 | 217.0 | 197.5 | 184.6 |
| 27.5° | 502.0 | 460.2 | 420.1 | 376.2 | 334.1 | 293.3 | 255.0 | 224.7 | 200.0 | 179.1 | 164.1 |
| 30° | 509.0 | 466.8 | 419.8 | 372.1 | 328.5 | 283.9 | 242.1 | 208.3 | 180.8 | 158.9 | 143.9 |
| 32.5° | 513.8 | 465.1 | 412.8 | 359.9 | 312.5 | 265.5 | 223.0 | 189.5 | 160.2 | 138.7 | 121.2 |
| 35° | 515.2 | 458.5 | 399.6 | 340.7 | 290.9 | 242.8 | 200.3 | 165.1 | 139.7 | 118.4 | 102.8 |
| 37.5° | 513.1 | 447.7 | 381.8 | 320.8 | 267.5 | 217.4 | 175.6 | 144.9 | 123.3 | 102.8 | 88.8 |
| 40° | 504.8 | 434.1 | 365.8 | 301.7 | 243.9 | 192.0 | 154.7 | 128.2 | 109.7 | 94.1 | 83.3 |
| 42.5° | 494.0 | 418.4 | 348.0 | 279.4 | 220.9 | 171.7 | 138.0 | 116.7 | 101.0 | 89.9 | 80.8 |
| 45° | 480.4 | 402.0 | 329.6 | 259.5 | 201.4 | 156.4 | 128.2 | 110.4 | 98.2 | 88.5 | 80.1 |
| 47.5° | 463.7 | 384.6 | 311.8 | 244.6 | 188.1 | 148.8 | 126.1 | 110.4 | 98.2 | 87.8 | 78.7 |
| 50° | 448.0 | 368.9 | 298.2 | 235.1 | 182.2 | 149.1 | 128.2 | 111.8 | 97.9 | 86.4 | 76.3 |
| 52.5° | 435.8 | 359.5 | 292.6 | 231.7 | 182.9 | 152.6 | 132.4 | 113.9 | 98.9 | 86.4 | 75.6 |
| 55° | 428.1 | 355.7 | 291.9 | 234.8 | 190.2 | 162.0 | 139.0 | 120.2 | 103.8 | 89.2 | 76.6 |
| 57.5° | 429.2 | 359.9 | 300.3 | 247.7 | 206.9 | 178.4 | 152.2 | 131.3 | 110.8 | 92.7 | 77.0 |
| 60° | 440.0 | 373.8 | 320.5 | 278.0 | 234.8 | 200.3 | 169.0 | 141.1 | 113.9 | 91.6 | 74.6 |
| 62.5° | 467.2 | 406.5 | 363.0 | 319.5 | 269.3 | 221.9 | 179.1 | 142.8 | 110.4 | 86.4 | 68.6 |
| 65° | 518.7 | 465.4 | 423.6 | 369.3 | 297.9 | 231.0 | 178.0 | 137.6 | 103.8 | 78.0 | 60.6 |
| 67.5° | 569.2 | 512.8 | 453.9 | 372.1 | 290.9 | 224.3 | 166.5 | 124.7 | 92.0 | 66.9 | 53.6 |
| 70° | 618.0 | 544.8 | 469.3 | 368.6 | 270.7 | 193.0 | 139.0 | 104.2 | 73.2 | 55.7 | 46.0 |
| 72.5° | 586.0 | 501.6 | 424.3 | 325.0 | 232.7 | 158.5 | 110.8 | 75.6 | 56.1 | 46.0 | 39.7 |
| 75° | 447.3 | 388.8 | 321.5 | 249.4 | 171.7 | 111.8 | 73.9 | 53.6 | 43.2 | 36.2 | 32.4 |
| 77.5° | 321.9 | 278.3 | 223.3 | 163.7 | 107.3 | 70.7 | 50.2 | 38.3 | 32.0 | 27.2 | 25.1 |
| 80° | 186.7 | 160.2 | 125.1 | 90.2 | 61.3 | 44.2 | 33.4 | 27.2 | 23.3 | 19.9 | 19.2 |
| 82.5° | 116.7 | 93.4 | 66.2 | 44.6 | 31.4 | 24.4 | 19.5 | 16.7 | 13.9 | 12.2 | 10.5 |
| 85° | 50.5 | 36.2 | 20.6 | 11.5 | 8.7 | 6.6 | 5.2 | 4.5 | 3.8 | 3.5 | 2.8 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.1 | 2.1 | 2.1 | 2.1 | 1.7 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 |
| 2.5° | 228.2 | 227.5 | 227.1 | 227.1 | 226.4 | 226.4 | 225.7 | 226.1 | 225.7 | 225.0 | 224.7 |
| 5° | 229.6 | 228.5 | 227.8 | 227.1 | 226.1 | 225.7 | 225.0 | 225.0 | 224.0 | 223.0 | 222.6 |
| 7.5° | 231.3 | 229.9 | 228.9 | 227.5 | 226.1 | 225.4 | 224.0 | 223.3 | 222.3 | 221.2 | 220.9 |
| 10° | 234.8 | 232.4 | 230.6 | 228.9 | 226.4 | 225.0 | 223.0 | 221.9 | 220.9 | 219.5 | 218.8 |
| 12.5° | 238.6 | 235.5 | 233.1 | 228.9 | 226.4 | 224.0 | 221.9 | 219.8 | 217.7 | 216.3 | 216.0 |
| 15° | 238.6 | 234.8 | 229.6 | 225.7 | 222.3 | 218.8 | 216.7 | 214.6 | 212.2 | 211.1 | 210.8 |
| 17.5° | 232.7 | 226.1 | 221.2 | 217.0 | 213.9 | 211.1 | 209.0 | 208.0 | 205.9 | 203.8 | 203.1 |
| 20° | 219.1 | 211.5 | 205.9 | 201.4 | 197.9 | 195.1 | 194.4 | 193.3 | 192.3 | 192.3 | 192.6 |
| 22.5° | 196.8 | 188.5 | 183.6 | 178.7 | 174.9 | 173.5 | 173.8 | 174.9 | 175.2 | 174.9 | 177.3 |
| 25° | 174.5 | 166.5 | 159.9 | 155.4 | 150.8 | 151.9 | 150.5 | 152.9 | 154.0 | 154.3 | 157.1 |
| 27.5° | 152.9 | 144.2 | 137.3 | 133.4 | 131.3 | 129.9 | 128.9 | 132.0 | 132.7 | 135.2 | 137.6 |
| 30° | 129.9 | 121.9 | 113.9 | 110.8 | 109.0 | 108.0 | 108.3 | 111.1 | 112.9 | 116.4 | 118.4 |
| 32.5° | 108.7 | 98.9 | 93.0 | 88.8 | 87.1 | 86.7 | 87.1 | 89.2 | 91.3 | 95.8 | 98.9 |
| 35° | 90.6 | 81.2 | 76.3 | 73.9 | 71.4 | 70.4 | 71.4 | 72.1 | 72.8 | 76.6 | 80.5 |
| 37.5° | 80.1 | 73.5 | 69.7 | 67.2 | 65.5 | 64.4 | 64.4 | 64.1 | 64.4 | 65.1 | 66.9 |
| 40° | 75.6 | 70.7 | 67.2 | 64.8 | 63.4 | 62.7 | 62.4 | 62.0 | 61.7 | 61.7 | 61.7 |
| 42.5° | 73.9 | 68.3 | 64.8 | 62.7 | 62.0 | 62.0 | 62.0 | 61.7 | 61.0 | 60.3 | 59.9 |
| 45° | 72.5 | 66.5 | 62.7 | 61.0 | 61.0 | 61.0 | 61.3 | 61.0 | 60.3 | 59.2 | 58.2 |
| 47.5° | 70.0 | 64.1 | 60.6 | 59.2 | 59.2 | 59.2 | 59.6 | 59.2 | 58.5 | 57.8 | 56.8 |
| 50° | 67.2 | 61.0 | 57.5 | 56.4 | 56.1 | 56.1 | 55.7 | 55.4 | 55.0 | 54.3 | 53.3 |
| 52.5° | 65.5 | 58.9 | 55.7 | 55.0 | 54.3 | 54.0 | 53.3 | 53.0 | 52.3 | 51.9 | 50.9 |
| 55° | 65.1 | 57.5 | 54.7 | 54.0 | 53.3 | 52.3 | 50.9 | 50.2 | 48.8 | 48.4 | 47.7 |
| 57.5° | 64.1 | 56.1 | 53.0 | 51.2 | 49.5 | 48.4 | 47.0 | 46.3 | 45.6 | 44.9 | 44.2 |
| 60° | 60.6 | 51.9 | 48.1 | 47.0 | 46.0 | 45.6 | 44.9 | 44.2 | 43.2 | 42.2 | 40.8 |
| 62.5° | 54.0 | 46.7 | 44.2 | 43.9 | 43.5 | 42.8 | 42.2 | 41.1 | 40.4 | 39.0 | 37.6 |
| 65° | 48.8 | 43.9 | 42.5 | 41.8 | 41.5 | 40.4 | 39.7 | 39.0 | 38.0 | 36.9 | 35.5 |
| 67.5° | 44.2 | 40.8 | 40.1 | 39.0 | 38.7 | 38.0 | 36.9 | 36.2 | 35.2 | 34.1 | 32.7 |
| 70° | 40.1 | 37.3 | 36.9 | 36.2 | 35.5 | 35.2 | 33.8 | 32.7 | 32.4 | 31.0 | 30.0 |
| 72.5° | 35.5 | 33.8 | 33.1 | 32.4 | 31.7 | 31.4 | 30.7 | 30.0 | 29.3 | 27.9 | 26.5 |
| 75° | 29.6 | 28.9 | 28.6 | 27.9 | 27.5 | 26.8 | 25.8 | 24.7 | 24.4 | 23.3 | 22.3 |
| 77.5° | 23.7 | 23.0 | 23.0 | 22.3 | 21.3 | 20.2 | 19.2 | 17.8 | 17.8 | 17.8 | 17.1 |
| 80° | 16.7 | 16.0 | 15.0 | 14.6 | 13.9 | 13.2 | 12.2 | 11.5 | 10.8 | 10.8 | 10.8 |
| 82.5° | 9.8 | 9.4 | 8.7 | 7.7 | 7.0 | 6.6 | 5.6 | 4.9 | 4.5 | 3.8 | 3.8 |
| 85° | 2.1 | 2.1 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.4 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 |
| 2.5° | 224.7 | 224.3 | 223.7 | 222.3 | 221.9 | 221.6 | 221.9 | 221.9 | 221.6 | 221.9 | 222.3 |
| 5° | 222.6 | 222.3 | 221.2 | 220.5 | 219.8 | 219.8 | 221.9 | 221.9 | 220.9 | 221.2 | 222.6 |
| 7.5° | 220.9 | 220.9 | 220.2 | 219.8 | 220.2 | 221.2 | 223.0 | 224.3 | 224.0 | 226.1 | 226.8 |
| 10° | 218.8 | 219.1 | 219.5 | 220.9 | 223.0 | 224.7 | 227.5 | 229.9 | 230.6 | 232.4 | 233.4 |
| 12.5° | 216.7 | 218.1 | 219.8 | 222.6 | 225.4 | 228.2 | 231.3 | 234.1 | 234.5 | 236.2 | 237.6 |
| 15° | 211.5 | 213.5 | 216.0 | 219.1 | 223.3 | 226.4 | 231.0 | 233.1 | 233.8 | 234.8 | 236.5 |
| 17.5° | 203.4 | 204.5 | 206.2 | 209.7 | 214.2 | 218.4 | 223.7 | 227.1 | 229.2 | 230.6 | 231.3 |
| 20° | 192.6 | 194.7 | 195.8 | 198.9 | 201.4 | 204.5 | 211.5 | 216.0 | 220.2 | 222.3 | 224.3 |
| 22.5° | 177.7 | 180.1 | 182.5 | 185.7 | 187.1 | 189.2 | 195.8 | 202.8 | 209.0 | 213.2 | 215.6 |
| 25° | 158.9 | 161.6 | 165.1 | 169.0 | 170.7 | 172.8 | 180.5 | 187.4 | 195.1 | 202.4 | 205.9 |
| 27.5° | 140.0 | 143.5 | 147.0 | 151.5 | 154.3 | 156.8 | 163.4 | 170.0 | 178.0 | 185.0 | 188.5 |
| 30° | 121.9 | 126.8 | 129.9 | 135.2 | 137.6 | 140.0 | 146.0 | 153.3 | 158.9 | 166.9 | 171.4 |
| 32.5° | 103.1 | 106.6 | 112.5 | 118.4 | 121.2 | 123.7 | 129.2 | 135.5 | 140.4 | 148.4 | 155.0 |
| 35° | 86.0 | 89.2 | 95.5 | 101.4 | 103.1 | 106.9 | 112.5 | 118.1 | 122.6 | 129.9 | 136.2 |
| 37.5° | 70.0 | 75.2 | 80.1 | 84.7 | 88.5 | 91.3 | 96.5 | 101.4 | 103.8 | 110.8 | 117.4 |
| 40° | 62.4 | 64.8 | 68.3 | 72.5 | 74.9 | 77.7 | 81.5 | 85.7 | 88.5 | 93.4 | 98.9 |
| 42.5° | 59.6 | 59.6 | 60.6 | 62.7 | 65.8 | 67.2 | 70.7 | 72.8 | 76.6 | 78.7 | 83.6 |
| 45° | 57.5 | 56.8 | 57.1 | 57.1 | 58.2 | 59.2 | 62.0 | 64.1 | 66.5 | 68.3 | 71.4 |
| 47.5° | 55.7 | 54.3 | 54.0 | 53.3 | 53.0 | 53.6 | 55.7 | 57.5 | 58.5 | 59.9 | 61.0 |
| 50° | 51.9 | 50.9 | 49.8 | 49.1 | 48.8 | 49.5 | 51.2 | 52.6 | 53.0 | 53.6 | 54.3 |
| 52.5° | 49.8 | 48.4 | 47.4 | 46.3 | 46.3 | 47.0 | 48.4 | 49.5 | 49.8 | 50.2 | 50.9 |
| 55° | 47.0 | 46.3 | 45.6 | 44.6 | 44.2 | 45.3 | 46.3 | 47.4 | 48.1 | 48.1 | 48.8 |
| 57.5° | 43.5 | 42.8 | 43.5 | 43.2 | 42.8 | 43.5 | 44.9 | 46.0 | 46.3 | 46.3 | 46.7 |
| 60° | 40.1 | 39.7 | 39.7 | 40.4 | 41.1 | 42.2 | 43.2 | 44.6 | 44.2 | 43.5 | 43.9 |
| 62.5° | 36.9 | 36.6 | 36.9 | 38.0 | 39.0 | 40.1 | 41.5 | 42.5 | 41.5 | 40.8 | 40.8 |
| 65° | 34.8 | 34.5 | 34.8 | 35.2 | 35.5 | 36.6 | 38.3 | 38.7 | 38.0 | 38.0 | 38.0 |
| 67.5° | 32.0 | 31.7 | 31.4 | 31.7 | 32.0 | 32.4 | 33.8 | 34.1 | 34.1 | 34.1 | 34.1 |
| 70° | 28.6 | 28.2 | 27.9 | 27.9 | 27.9 | 28.2 | 28.6 | 29.3 | 30.0 | 30.7 | 31.0 |
| 72.5° | 24.7 | 24.0 | 24.0 | 24.0 | 23.3 | 23.7 | 24.0 | 25.4 | 26.1 | 26.8 | 27.5 |
| 75° | 20.9 | 20.2 | 20.2 | 19.5 | 19.9 | 20.2 | 20.2 | 20.9 | 21.6 | 22.6 | 23.3 |
| 77.5° | 16.4 | 16.4 | 16.4 | 16.0 | 16.0 | 16.4 | 16.7 | 16.7 | 17.4 | 18.5 | 19.5 |
| 80° | 10.5 | 10.5 | 11.1 | 11.5 | 11.8 | 12.2 | 12.9 | 13.2 | 13.6 | 14.6 | 15.0 |
| 82.5° | 3.8 | 4.2 | 4.5 | 4.5 | 5.6 | 7.0 | 7.3 | 8.4 | 9.1 | 10.1 | 10.1 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.0 | 1.4 | 2.1 | 3.1 | 3.8 |
| 87.5° | 0.7 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



REPORT NUMBER: P159936
 CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 0° |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 2.5° |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 5° |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 7.5° |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 10° |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 12.5° |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 15° |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 17.5° |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 20° |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 22.5° |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 25° |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 27.5° |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 30° |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5° |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35° |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5° |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40° |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5° |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45° |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5° |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50° |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5° |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55° |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5° |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60° |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5° |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65° |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
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| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |



NUMBER: P159936
 NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° | 165° | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 112.5° | 21.2 |
| 222.6 | 223.7 | 223.3 | 223.0 | 223.3 | 224.0 | 223.7 | 224.0 | 224.3 | 225.0 | 224.7 | 115° | 25.0 |
| 223.0 | 224.0 | 224.3 | 224.3 | 225.0 | 226.1 | 226.1 | 226.4 | 226.8 | 227.5 | 227.5 | 117.5° | 29.5 |
| 227.8 | 230.3 | 230.3 | 230.6 | 231.7 | 232.7 | 233.1 | 233.4 | 233.1 | 233.1 | 233.1 | 120° | 34.8 |
| 235.1 | 237.9 | 238.3 | 240.0 | 241.4 | 241.1 | 241.1 | 241.4 | 240.7 | 240.0 | 239.0 | 122.5° | 40.9 |
| 239.0 | 241.4 | 242.1 | 243.9 | 245.9 | 246.3 | 247.3 | 248.0 | 247.3 | 245.6 | 243.9 | 125° | 47.8 |
| 237.9 | 240.0 | 241.4 | 243.5 | 245.9 | 247.3 | 249.4 | 250.1 | 249.8 | 247.7 | 245.6 | 127.5° | 55.3 |
| 233.4 | 235.8 | 237.6 | 240.4 | 243.2 | 245.3 | 247.3 | 248.4 | 248.4 | 246.6 | 245.3 | 130° | 63.0 |
| 226.1 | 228.9 | 231.3 | 234.5 | 237.9 | 240.4 | 242.8 | 243.5 | 243.5 | 242.8 | 243.9 | 132.5° | 70.5 |
| 218.4 | 221.6 | 224.3 | 227.5 | 232.0 | 234.5 | 237.2 | 239.3 | 240.4 | 241.8 | 246.3 | 135° | 77.9 |
| 208.7 | 210.1 | 213.5 | 217.0 | 223.3 | 227.5 | 233.4 | 239.0 | 244.6 | 250.8 | 259.9 | 137.5° | 85.3 |
| 191.6 | 194.0 | 198.2 | 203.1 | 209.4 | 217.0 | 227.8 | 238.6 | 248.7 | 258.1 | 269.3 | 140° | 92.5 |
| 177.3 | 181.8 | 186.4 | 192.0 | 198.6 | 205.9 | 218.4 | 232.4 | 244.6 | 255.7 | 267.9 | 142.5° | 99.2 |
| 162.0 | 167.6 | 173.5 | 180.8 | 187.1 | 193.7 | 204.1 | 219.5 | 234.1 | 246.6 | 259.5 | 145° | 104.9 |
| 144.2 | 150.1 | 156.1 | 163.7 | 170.4 | 178.7 | 188.1 | 203.1 | 219.8 | 234.1 | 249.4 | 147.5° | 110.1 |
| 125.1 | 130.3 | 136.9 | 143.9 | 151.5 | 161.3 | 171.4 | 185.3 | 202.8 | 218.1 | 235.5 | 150° | 115.1 |
| 106.9 | 112.5 | 119.1 | 126.8 | 134.5 | 144.9 | 156.4 | 169.7 | 185.7 | 202.1 | 220.5 | 152.5° | 119.7 |
| 89.9 | 97.2 | 104.2 | 111.8 | 119.8 | 129.6 | 141.8 | 156.1 | 172.1 | 189.5 | 209.0 | 155° | 123.7 |
| 75.6 | 81.2 | 88.5 | 94.8 | 103.5 | 112.9 | 125.4 | 141.4 | 159.9 | 178.4 | 198.9 | 157.5° | 127.0 |
| 63.1 | 66.5 | 72.8 | 80.5 | 88.5 | 98.2 | 108.7 | 124.7 | 143.5 | 163.7 | 186.7 | 160° | 130.3 |
| 55.4 | 57.1 | 61.7 | 68.6 | 76.3 | 86.0 | 95.1 | 109.0 | 127.9 | 147.7 | 171.4 | 162.5° | 133.5 |
| 51.6 | 52.3 | 54.7 | 59.9 | 67.2 | 75.9 | 85.7 | 97.5 | 114.3 | 133.8 | 156.4 | 165° | 136.0 |
| 49.5 | 49.8 | 50.5 | 54.3 | 60.6 | 68.6 | 78.4 | 87.8 | 102.8 | 121.2 | 143.2 | 167.5° | 137.1 |
| 47.0 | 47.4 | 47.7 | 49.8 | 54.3 | 61.3 | 69.7 | 77.3 | 90.9 | 107.3 | 128.2 | 170° | 137.4 |
| 44.6 | 45.3 | 46.0 | 46.7 | 49.8 | 54.3 | 60.6 | 67.2 | 76.6 | 90.9 | 108.0 | 172.5° | 138.6 |
| 41.5 | 42.2 | 43.2 | 43.9 | 44.9 | 47.7 | 51.6 | 55.7 | 60.6 | 70.7 | 84.7 | 175° | 140.5 |
| 38.7 | 39.4 | 39.7 | 40.1 | 40.8 | 41.5 | 42.8 | 43.9 | 46.3 | 52.3 | 62.0 | 177.5° | 141.1 |
| 34.8 | 35.5 | 35.5 | 35.9 | 36.2 | 36.2 | 36.9 | 37.3 | 38.0 | 39.7 | 43.9 | 180° | 140.8 |
| 31.7 | 32.0 | 32.4 | 32.7 | 32.7 | 32.7 | 32.4 | 32.7 | 32.4 | 32.4 | 34.1 | | |
| 27.9 | 28.2 | 28.6 | 28.9 | 29.3 | 29.6 | 30.0 | 30.0 | 29.6 | 28.9 | 28.9 | | |
| 23.7 | 23.7 | 24.4 | 24.7 | 25.1 | 26.1 | 26.8 | 26.1 | 26.1 | 25.8 | 25.8 | | |
| 19.9 | 20.6 | 20.9 | 20.9 | 21.6 | 22.6 | 23.3 | 23.0 | 21.9 | 21.9 | 22.3 | | |
| 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.8 | 18.8 | 19.2 | 18.5 | 18.8 | 18.8 | | |
| 10.1 | 10.5 | 11.1 | 11.5 | 11.8 | 12.9 | 13.9 | 15.0 | 14.6 | 15.3 | 14.6 | | |
| 4.5 | 5.2 | 5.6 | 5.6 | 6.6 | 7.7 | 9.1 | 10.1 | 11.5 | 11.8 | 10.8 | | |
| 0.0 | 0.3 | 0.3 | 0.3 | 1.4 | 2.4 | 4.5 | 7.0 | 9.4 | 7.3 | 5.6 | | |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | |
| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | | |
| 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | | |
| 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | | |
| 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | | |
| 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | | |

'159936
 ENC-F01-LED-E1-SLR-8030-ULG

REPORT NUMBER: P159936
 CATALOG NUMBER: ENC-F01-I

TION (continued):

CANDELA DISTRIBUTION (con

| 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° | | 220° | 225° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 0° | 226.1 | 226.1 |
| 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 2.5° | 224.7 | 225.0 |
| 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 5° | 227.8 | 227.8 |
| 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 7.5° | 232.4 | 232.4 |
| 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 10° | 238.3 | 237.2 |
| 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 12.5° | 241.8 | 240.0 |
| 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 15° | 243.9 | 242.1 |
| 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 17.5° | 244.6 | 244.6 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 20° | 246.3 | 249.1 |
| 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 22.5° | 252.2 | 259.2 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 25° | 269.6 | 279.4 |
| 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 27.5° | 283.2 | 296.1 |
| 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 30° | 284.3 | 300.3 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5° | 278.0 | 295.4 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35° | 268.6 | 288.4 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5° | 257.1 | 279.4 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40° | 243.9 | 266.8 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5° | 231.7 | 255.4 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45° | 223.0 | 248.0 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5° | 213.5 | 240.4 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50° | 198.6 | 230.3 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5° | 182.5 | 214.2 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55° | 167.9 | 198.2 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5° | 152.2 | 182.9 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60° | 131.7 | 162.3 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5° | 105.2 | 134.1 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65° | 75.6 | 100.0 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5° | 51.2 | 67.9 |
| | | | | | | | | | | 70° | 37.3 | 46.3 |
| | | | | | | | | | | 72.5° | 30.3 | 34.8 |
| | | | | | | | | | | 75° | 26.8 | 29.3 |
| | | | | | | | | | | 77.5° | 23.7 | 25.1 |
| | | | | | | | | | | 80° | 18.8 | 20.2 |
| | | | | | | | | | | 82.5° | 14.6 | 16.0 |
| | | | | | | | | | | 85° | 10.8 | 11.8 |
| | | | | | | | | | | 87.5° | 4.9 | 4.9 |
| | | | | | | | | | | 90° | 0.1 | 0.1 |
| | | | | | | | | | | 92.5° | 0.1 | 0.1 |
| | | | | | | | | | | 95° | 0.5 | 0.5 |
| | | | | | | | | | | 97.5° | 1.5 | 1.5 |
| | | | | | | | | | | 100° | 5.0 | 5.0 |
| | | | | | | | | | | 102.5° | 8.8 | 8.8 |
| | | | | | | | | | | 105° | 11.8 | 11.8 |
| | | | | | | | | | | 107.5° | 14.7 | 14.7 |
| | | | | | | | | | | 110° | 17.8 | 17.8 |

REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLF

LED-E1-SLR-8030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

| 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° | | 220° | 225° | 230° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 112.5° | 21.2 | 21.2 | 21.2 |
| 225.4 | 225.7 | 225.7 | 226.4 | 226.8 | 227.5 | 227.8 | 227.8 | 227.8 | 115° | 25.0 | 25.0 | 25.0 |
| 228.5 | 228.9 | 229.2 | 230.3 | 230.6 | 231.7 | 232.7 | 233.1 | 234.1 | 117.5° | 29.5 | 29.5 | 29.5 |
| 232.4 | 233.4 | 233.8 | 234.5 | 235.1 | 236.9 | 238.3 | 239.0 | 240.0 | 120° | 34.8 | 34.8 | 34.8 |
| 236.9 | 237.2 | 237.2 | 237.9 | 239.7 | 240.7 | 242.5 | 245.6 | 247.7 | 122.5° | 40.9 | 40.9 | 40.9 |
| 240.0 | 239.0 | 239.7 | 240.4 | 242.1 | 244.6 | 247.3 | 251.9 | 256.1 | 125° | 47.8 | 47.8 | 47.8 |
| 242.1 | 242.1 | 243.9 | 245.3 | 248.4 | 252.2 | 257.4 | 263.7 | 270.0 | 127.5° | 55.3 | 55.3 | 55.3 |
| 245.9 | 247.0 | 250.8 | 253.6 | 259.2 | 264.8 | 271.4 | 280.1 | 289.5 | 130° | 63.0 | 63.0 | 63.0 |
| 252.9 | 255.7 | 259.9 | 264.4 | 270.0 | 278.3 | 289.5 | 300.6 | 313.2 | 132.5° | 70.5 | 70.5 | 70.5 |
| 264.1 | 270.3 | 277.3 | 282.9 | 289.5 | 301.3 | 313.5 | 327.5 | 343.1 | 135° | 77.9 | 77.9 | 77.9 |
| 288.4 | 295.4 | 305.9 | 315.3 | 324.7 | 341.7 | 357.4 | 373.5 | 394.7 | 137.5° | 85.3 | 85.3 | 85.3 |
| 309.7 | 320.8 | 337.2 | 350.8 | 363.7 | 384.2 | 401.7 | 428.1 | 450.8 | 140° | 92.5 | 92.5 | 92.5 |
| 318.8 | 336.9 | 357.4 | 376.9 | 401.0 | 421.2 | 447.0 | 478.7 | 508.3 | 142.5° | 99.2 | 99.2 | 99.2 |
| 316.7 | 338.6 | 364.4 | 390.9 | 419.4 | 451.8 | 481.4 | 517.0 | 555.6 | 145° | 104.9 | 104.9 | 104.9 |
| 311.8 | 336.5 | 366.5 | 398.2 | 432.3 | 472.7 | 510.0 | 554.3 | 602.3 | 147.5° | 110.1 | 110.1 | 110.1 |
| 305.9 | 334.8 | 368.2 | 405.5 | 448.3 | 496.4 | 544.5 | 602.3 | 662.2 | 150° | 115.1 | 115.1 | 115.1 |
| 296.8 | 329.9 | 370.3 | 416.6 | 469.3 | 525.7 | 588.7 | 657.7 | 722.2 | 152.5° | 119.7 | 119.7 | 119.7 |
| 286.7 | 324.0 | 372.8 | 432.0 | 498.2 | 568.2 | 641.0 | 711.4 | 784.9 | 155° | 123.7 | 123.7 | 123.7 |
| 280.1 | 322.2 | 379.0 | 449.7 | 526.7 | 607.9 | 689.1 | 766.1 | 846.2 | 157.5° | 127.0 | 127.0 | 127.0 |
| 276.3 | 323.3 | 385.6 | 463.0 | 548.0 | 637.5 | 723.6 | 812.0 | 896.0 | 160° | 130.3 | 130.3 | 130.3 |
| 272.8 | 326.1 | 391.6 | 471.3 | 561.6 | 656.7 | 750.7 | 846.2 | 939.2 | 162.5° | 133.5 | 133.5 | 133.5 |
| 263.7 | 325.0 | 393.7 | 473.8 | 568.5 | 669.2 | 769.5 | 870.2 | 969.2 | 165° | 136.0 | 136.0 | 136.0 |
| 248.0 | 315.3 | 389.1 | 471.3 | 570.6 | 676.5 | 781.7 | 888.0 | 986.2 | 167.5° | 137.1 | 137.1 | 137.1 |
| 227.1 | 295.4 | 373.1 | 460.9 | 563.3 | 673.0 | 785.9 | 899.5 | 996.0 | 170° | 137.4 | 137.4 | 137.4 |
| 203.8 | 264.4 | 344.9 | 436.9 | 539.6 | 651.8 | 767.5 | 888.7 | 984.8 | 172.5° | 138.6 | 138.6 | 138.6 |
| 171.7 | 225.7 | 306.6 | 396.1 | 496.4 | 607.9 | 712.8 | 845.1 | 943.0 | 175° | 140.5 | 140.5 | 140.5 |
| 131.3 | 179.4 | 249.1 | 340.4 | 442.4 | 540.0 | 635.1 | 767.5 | 876.1 | 177.5° | 141.1 | 141.1 | 141.1 |
| 90.6 | 127.9 | 186.4 | 266.2 | 361.6 | 451.5 | 546.2 | 669.9 | 796.7 | 180° | 140.8 | 140.8 | 140.8 |
| 58.9 | 82.9 | 123.3 | 184.6 | 260.2 | 343.1 | 421.9 | 535.1 | 671.0 | | | | |
| 41.8 | 53.0 | 75.2 | 113.9 | 171.4 | 235.5 | 299.9 | 376.6 | 506.2 | | | | |
| 33.1 | 38.7 | 46.3 | 66.2 | 100.3 | 146.7 | 198.6 | 247.0 | 355.3 | | | | |
| 26.8 | 29.3 | 33.1 | 40.8 | 59.2 | 84.7 | 117.1 | 155.7 | 220.9 | | | | |
| 21.6 | 23.3 | 25.8 | 28.9 | 36.6 | 48.8 | 67.9 | 85.7 | 126.1 | | | | |
| 17.4 | 19.5 | 20.2 | 20.6 | 23.7 | 27.9 | 35.9 | 48.4 | 72.1 | | | | |
| 12.5 | 13.2 | 13.2 | 13.6 | 14.3 | 15.3 | 20.6 | 35.5 | 52.6 | | | | |
| 4.9 | 4.2 | 4.5 | 3.5 | 3.8 | 4.2 | 6.6 | 7.7 | 12.2 | | | | |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | |
| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | | | | |
| 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | | | | |
| 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | | | | |
| 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | | | | |
| 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | | | | |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-UL

3-8030-ULG

CANDELA DISTRIBUTION (continued):

| 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° | | 275° | 280° | 285° | 290° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 0° | 226.1 | 226.1 | 226.1 | 226.1 |
| 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 2.5° | 228.9 | 228.9 | 228.5 | 228.5 |
| 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 5° | 234.8 | 235.8 | 235.1 | 236.2 |
| 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 7.5° | 242.5 | 243.2 | 243.9 | 245.3 |
| 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 10° | 250.5 | 252.9 | 255.4 | 256.4 |
| 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 12.5° | 259.9 | 264.4 | 269.3 | 271.7 |
| 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 15° | 276.3 | 283.2 | 288.8 | 292.6 |
| 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 17.5° | 297.9 | 307.3 | 316.7 | 323.3 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 20° | 325.4 | 339.0 | 352.2 | 360.6 |
| 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 22.5° | 360.2 | 376.2 | 390.9 | 406.9 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 25° | 408.3 | 430.6 | 456.4 | 470.3 |
| 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 27.5° | 476.9 | 507.2 | 525.3 | 556.3 |
| 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 30° | 542.4 | 579.7 | 623.6 | 666.4 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5° | 597.8 | 652.5 | 716.9 | 782.1 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35° | 656.0 | 725.3 | 799.9 | 883.5 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5° | 725.7 | 797.4 | 877.9 | 969.5 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40° | 789.1 | 870.9 | 969.5 | 1054.2 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5° | 859.1 | 946.2 | 1057.3 | 1155.2 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45° | 927.0 | 1017.9 | 1139.5 | 1246.8 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5° | 986.6 | 1077.8 | 1207.4 | 1319.3 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50° | 1034.3 | 1136.0 | 1262.5 | 1369.8 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5° | 1071.6 | 1179.2 | 1304.3 | 1404.6 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55° | 1091.1 | 1199.8 | 1317.2 | 1419.3 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5° | 1093.9 | 1198.4 | 1306.4 | 1406.0 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60° | 1067.4 | 1160.1 | 1263.2 | 1367.3 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5° | 1008.2 | 1080.6 | 1178.5 | 1281.6 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65° | 932.2 | 979.6 | 1044.8 | 1145.8 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5° | 857.7 | 889.0 | 923.2 | 997.7 |
| | | | | | | | | 70° | 743.1 | 769.2 | 803.3 | 849.7 |
| | | | | | | | | 72.5° | 577.9 | 612.4 | 636.8 | 681.8 |
| | | | | | | | | 75° | 434.4 | 454.3 | 489.5 | 530.9 |
| | | | | | | | | 77.5° | 305.5 | 325.7 | 365.8 | 413.2 |
| | | | | | | | | 80° | 205.2 | 219.1 | 243.9 | 284.6 |
| | | | | | | | | 82.5° | 125.8 | 141.8 | 162.7 | 197.9 |
| | | | | | | | | 85° | 84.3 | 109.4 | 136.2 | 162.7 |
| | | | | | | | | 87.5° | 35.5 | 59.9 | 75.9 | 79.8 |
| | | | | | | | | 90° | 0.1 | 0.1 | 0.1 | 0.1 |
| | | | | | | | | 92.5° | 0.1 | 0.1 | 0.1 | 0.1 |
| | | | | | | | | 95° | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | | | | | | 97.5° | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | | | 100° | 5.0 | 5.0 | 5.0 | 5.0 |
| | | | | | | | | 102.5° | 8.8 | 8.8 | 8.8 | 8.8 |
| | | | | | | | | 105° | 11.8 | 11.8 | 11.8 | 11.8 |
| | | | | | | | | 107.5° | 14.7 | 14.7 | 14.7 | 14.7 |
| | | | | | | | | 110° | 17.8 | 17.8 | 17.8 | 17.8 |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

G

CANDELA DISTRIBUTION (continued):

| 295° | 300° | 305° | 310° | 315° | 320° | 325° | | 275° | 280° | 285° | 290° | 295° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 229.6 | 229.2 | 229.9 | 229.9 | 229.6 | 229.6 | 230.6 | 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 236.9 | 237.2 | 237.9 | 237.2 | 238.6 | 236.9 | 237.2 | 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 247.0 | 247.3 | 248.4 | 248.0 | 249.1 | 248.0 | 246.6 | 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 259.9 | 260.6 | 260.6 | 262.3 | 264.1 | 262.0 | 259.5 | 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 274.9 | 277.3 | 276.3 | 279.7 | 281.5 | 280.1 | 278.3 | 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 295.4 | 300.3 | 299.6 | 306.2 | 308.7 | 307.6 | 308.0 | 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 326.1 | 333.0 | 334.1 | 344.5 | 351.2 | 350.1 | 348.4 | 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 361.6 | 379.7 | 383.9 | 393.0 | 400.3 | 403.1 | 402.7 | 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 421.9 | 435.1 | 444.5 | 460.9 | 467.5 | 473.8 | 472.0 | 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 490.5 | 502.7 | 523.6 | 544.5 | 551.1 | 557.0 | 564.7 | 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 578.3 | 596.1 | 629.2 | 657.4 | 673.4 | 668.5 | 666.1 | 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 697.1 | 741.7 | 766.1 | 789.1 | 799.5 | 784.2 | 764.7 | 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 839.2 | 891.5 | 906.8 | 917.9 | 898.1 | 877.2 | 820.1 | 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 943.4 | 994.6 | 1026.3 | 1038.1 | 995.6 | 933.6 | 856.3 | 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 1037.4 | 1089.3 | 1103.3 | 1108.5 | 1051.4 | 971.2 | 896.0 | 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 1137.4 | 1181.0 | 1189.0 | 1186.2 | 1110.2 | 1015.5 | 945.1 | 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 1228.3 | 1272.9 | 1265.6 | 1253.4 | 1167.0 | 1071.2 | 993.5 | 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 1314.7 | 1347.5 | 1334.2 | 1303.9 | 1220.7 | 1114.1 | 1031.5 | 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 1372.6 | 1400.1 | 1385.8 | 1347.5 | 1257.6 | 1143.0 | 1052.4 | 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 1416.5 | 1437.4 | 1429.0 | 1373.6 | 1279.2 | 1160.8 | 1061.8 | 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 1438.4 | 1459.0 | 1454.1 | 1378.5 | 1282.0 | 1163.5 | 1057.3 | 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 1446.4 | 1469.8 | 1452.7 | 1360.4 | 1263.5 | 1153.1 | 1041.6 | 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 1439.8 | 1450.6 | 1425.5 | 1325.9 | 1225.9 | 1120.7 | 1019.3 | 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 1415.4 | 1407.8 | 1373.3 | 1266.0 | 1172.6 | 1075.8 | 994.6 | 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 1347.1 | 1327.3 | 1299.4 | 1196.6 | 1101.5 | 1004.7 | 956.3 | 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 1206.4 | 1200.8 | 1187.9 | 1111.6 | 1017.2 | 924.9 | 893.9 | 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 1025.9 | 1020.4 | 1022.1 | 970.6 | 902.3 | 812.4 | 813.1 | 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |
| 879.6 | 849.0 | 812.7 | 757.4 | 717.6 | 705.4 | 744.8 | | | | | | |
| 707.9 | 691.2 | 661.6 | 613.1 | 568.2 | 583.9 | 672.0 | | | | | | |
| 547.3 | 537.2 | 558.8 | 564.4 | 546.9 | 536.5 | 566.4 | | | | | | |
| 448.3 | 470.3 | 504.8 | 548.7 | 552.9 | 537.5 | 480.7 | | | | | | |
| 341.4 | 398.5 | 446.3 | 505.5 | 499.2 | 466.1 | 404.1 | | | | | | |
| 239.0 | 294.4 | 339.3 | 389.1 | 387.4 | 357.1 | 326.4 | | | | | | |
| 182.9 | 200.3 | 217.4 | 269.6 | 289.8 | 266.5 | 233.1 | | | | | | |
| 86.4 | 87.1 | 104.9 | 129.2 | 138.7 | 158.2 | 156.1 | | | | | | |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | | | | | |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | | | | | |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | | | |
| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | | | | | | |
| 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | | | | | | |
| 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | | | | | | |
| 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | | | | | | |
| 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | | | | | | |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| 300° | 305° | 310° | 315° | 320° | 325° | | 330° | 335° | 340° | 345° | 350° | 355° |
|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 0° | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 | 226.1 |
| 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 2.5° | 231.0 | 230.6 | 230.6 | 230.6 | 231.0 | 230.6 |
| 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 5° | 237.9 | 237.2 | 236.9 | 236.9 | 236.5 | 236.5 |
| 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 7.5° | 247.0 | 245.6 | 245.6 | 244.6 | 244.2 | 243.2 |
| 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 10° | 259.2 | 257.8 | 257.4 | 254.7 | 254.7 | 252.2 |
| 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 12.5° | 277.0 | 277.0 | 277.0 | 273.5 | 272.8 | 268.6 |
| 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 15° | 307.6 | 304.8 | 307.3 | 301.3 | 301.0 | 295.4 |
| 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 17.5° | 349.1 | 349.1 | 344.2 | 341.4 | 339.7 | 331.6 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 20° | 404.1 | 404.5 | 396.1 | 388.4 | 384.9 | 375.9 |
| 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 22.5° | 474.1 | 467.5 | 457.1 | 451.5 | 445.9 | 430.9 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 25° | 566.1 | 563.3 | 544.8 | 524.6 | 516.3 | 493.6 |
| 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 27.5° | 656.3 | 650.4 | 620.8 | 586.3 | 565.1 | 534.0 |
| 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 30° | 735.8 | 696.7 | 661.6 | 620.1 | 587.7 | 549.0 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5° | 777.2 | 728.1 | 676.9 | 642.7 | 602.0 | 559.1 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35° | 809.3 | 756.7 | 705.8 | 661.6 | 615.6 | 567.1 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5° | 850.0 | 794.6 | 738.5 | 685.9 | 629.8 | 573.1 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40° | 895.3 | 831.9 | 762.6 | 698.8 | 635.8 | 571.0 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5° | 932.9 | 856.3 | 774.8 | 703.0 | 633.7 | 562.3 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45° | 953.8 | 866.4 | 775.8 | 698.5 | 625.3 | 551.5 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5° | 963.6 | 866.7 | 768.8 | 688.4 | 614.2 | 536.1 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50° | 962.5 | 858.0 | 755.6 | 674.8 | 601.6 | 520.1 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5° | 952.1 | 843.7 | 740.3 | 664.0 | 590.8 | 506.5 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55° | 936.1 | 828.4 | 725.0 | 656.7 | 581.8 | 495.4 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5° | 917.9 | 815.2 | 713.8 | 655.3 | 576.5 | 493.3 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60° | 909.9 | 816.6 | 720.8 | 645.5 | 573.8 | 497.8 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5° | 904.7 | 829.8 | 735.1 | 652.1 | 578.3 | 517.0 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65° | 883.5 | 848.3 | 757.0 | 675.8 | 611.0 | 561.9 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5° | 858.0 | 853.5 | 765.7 | 689.8 | 648.3 | 620.4 |
| | | | | | | 70° | 831.6 | 847.9 | 778.3 | 726.3 | 703.4 | 692.2 |
| | | | | | | 72.5° | 789.1 | 807.9 | 743.1 | 712.1 | 705.1 | 697.1 |
| | | | | | | 75° | 658.1 | 661.6 | 612.1 | 595.0 | 607.2 | 588.4 |
| | | | | | | 77.5° | 473.1 | 482.1 | 450.1 | 454.6 | 494.3 | 453.6 |
| | | | | | | 80° | 350.5 | 314.9 | 294.7 | 308.3 | 346.3 | 288.1 |
| | | | | | | 82.5° | 288.8 | 233.8 | 198.2 | 216.7 | 231.3 | 170.0 |
| | | | | | | 85° | 222.3 | 178.4 | 146.7 | 118.4 | 112.9 | 72.8 |
| | | | | | | 87.5° | 174.5 | 128.9 | 71.8 | 40.4 | 27.2 | 1.7 |
| | | | | | | 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | | | | | | 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| | | | | | | 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | | | | | | 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | | | | | | 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| | | | | | | 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| | | | | | | 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| | | | | | | 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| | | | | | | 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



REPORT NUMBER: P159936

CATALOG NUMBER: ENC-F01-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| 360° | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|-------|-------|-------|-------|-------|-------|
| 226.1 | 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 231.0 | 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 236.5 | 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 243.2 | 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 253.3 | 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 267.9 | 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 294.0 | 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 327.8 | 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 369.3 | 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 416.0 | 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 469.3 | 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 502.0 | 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 509.0 | 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 513.8 | 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 515.2 | 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 513.1 | 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 504.8 | 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 494.0 | 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 480.4 | 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 463.7 | 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 448.0 | 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 435.8 | 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 428.1 | 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 429.2 | 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 440.0 | 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 467.2 | 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 518.7 | 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 569.2 | 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |
| 618.0 | | | | | | | |
| 586.0 | | | | | | | |
| 447.3 | | | | | | | |
| 321.9 | | | | | | | |
| 186.7 | | | | | | | |
| 116.7 | | | | | | | |
| 50.5 | | | | | | | |
| 1.7 | | | | | | | |
| 0.1 | | | | | | | |
| 0.1 | | | | | | | |
| 0.5 | | | | | | | |
| 1.5 | | | | | | | |
| 5.0 | | | | | | | |
| 8.8 | | | | | | | |
| 11.8 | | | | | | | |
| 14.7 | | | | | | | |
| 17.8 | | | | | | | |

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

Scaled Data Report



(REPORT)