

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: STREETWORKS

Report Number: P182374

Luminaire Tested: **LXT-F02-LED-E-U-SYM-BK-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182374
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34329)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXT-F02-LED-E-U-SYM-BK-8030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - SYMMETRIC
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3440.9 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U4 - G2

Input Watts (W): 55
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: 28.75 FT

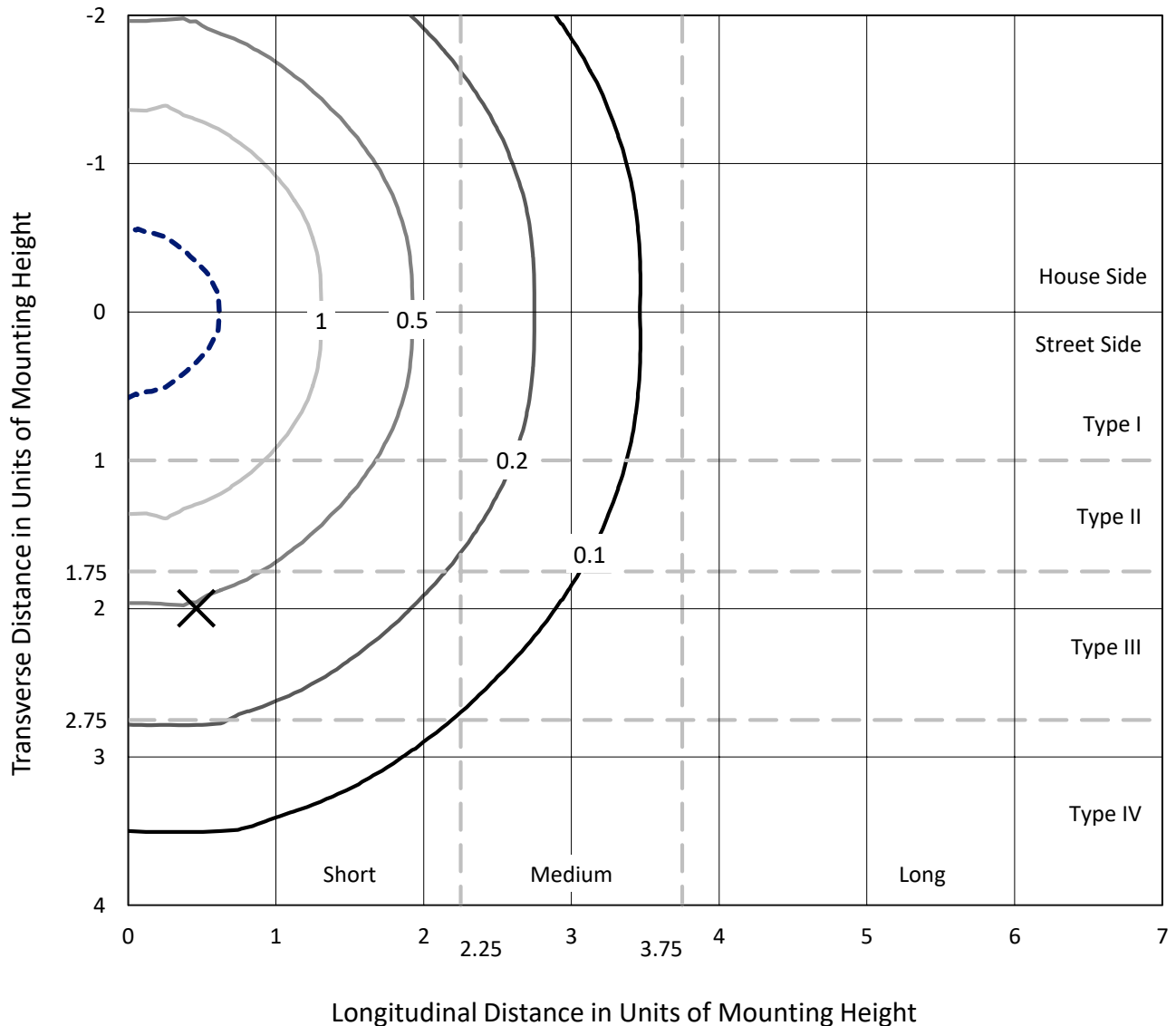


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

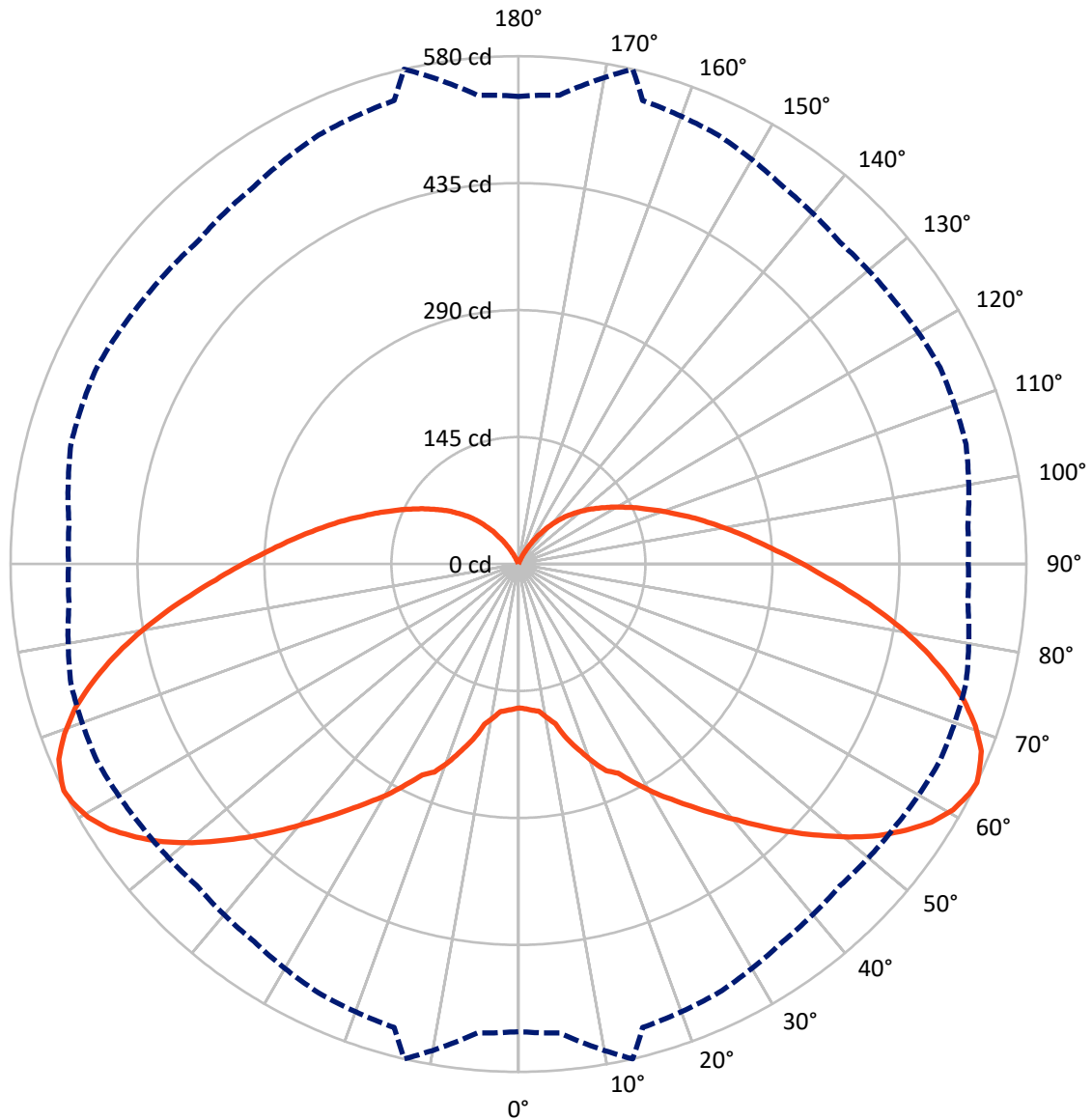


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 13-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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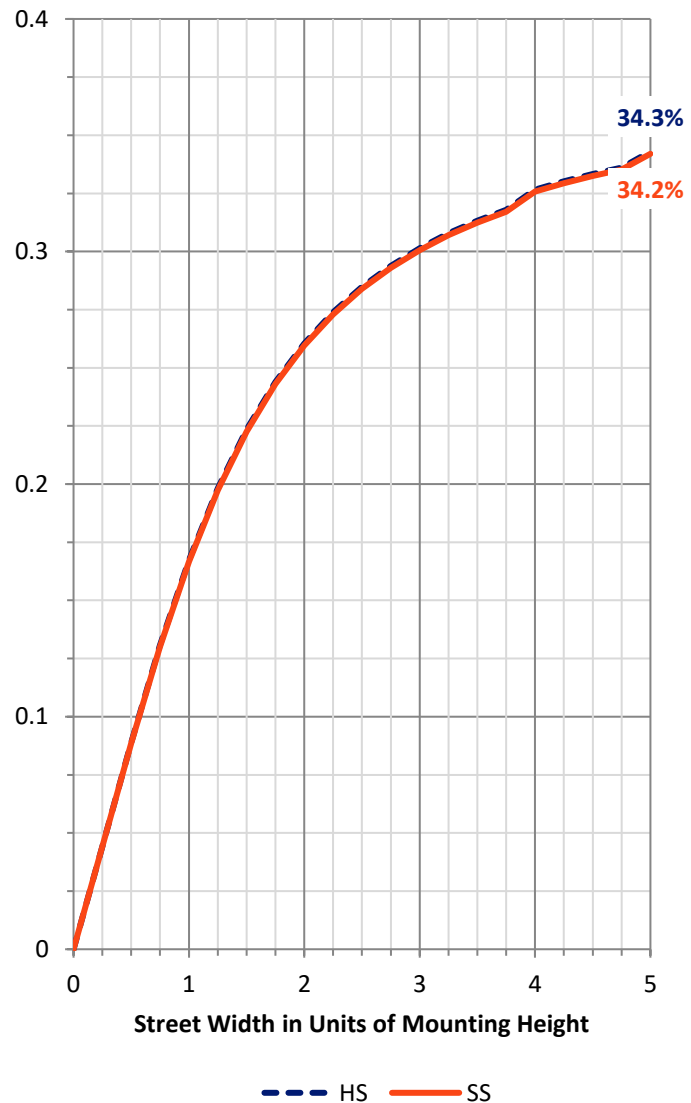
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1295.1 | 425.3 | 1720.4 |
| | % Fixture | 37.6 | 12.4 | 50.0 |
| Street Side | Lumens | 1295.1 | 425.3 | 1720.4 |
| | % Fixture | 37.6 | 12.4 | 50.0 |
| Total | Lumens | 2590.2 | 850.7 | 3440.9 |
| | % Fixture | 75.3 | 24.7 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.6 | 0.5 |
| 10°-20° | 57.1 | 1.7 |
| 20°-30° | 118.0 | 3.4 |
| 30°-40° | 204.8 | 6.0 |
| 40°-50° | 316.6 | 9.2 |
| 50°-60° | 438.5 | 12.7 |
| 60°-70° | 524.1 | 15.2 |
| 70°-80° | 507.3 | 14.7 |
| 80°-90° | 407.2 | 11.8 |
| 90°-100° | 303.2 | 8.8 |
| 100°-110° | 221.2 | 6.4 |
| 110°-120° | 154.5 | 4.5 |
| 120°-130° | 98.5 | 2.9 |
| 130°-140° | 52.2 | 1.5 |
| 140°-150° | 18.6 | 0.5 |
| 150°-160° | 2.4 | 0.1 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 2590.2 | 75.3 |
| 0°-180° | 3440.9 | 100.0 |



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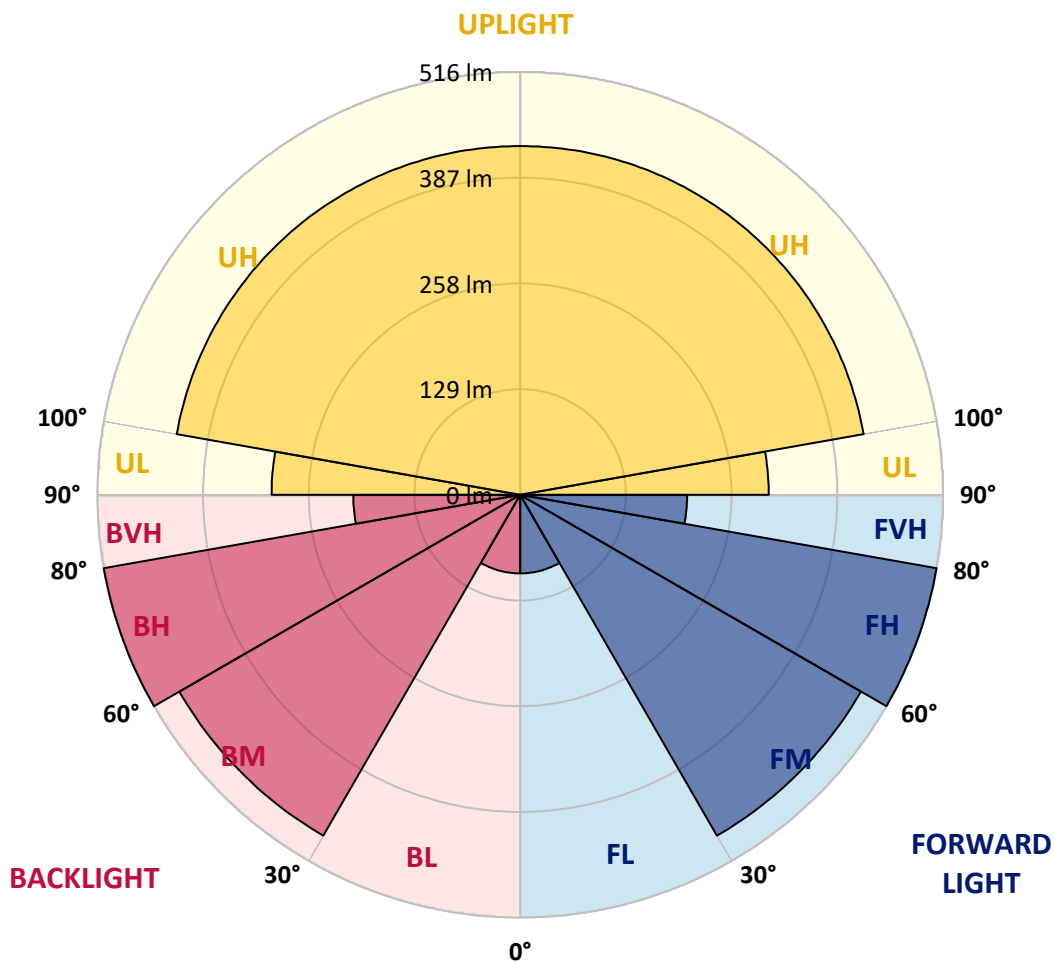
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 95.9 | 2.8 | | | |
| FM | (30°-60°) | 480.0 | 13.9 | | | |
| FH | (60°-80°) | 515.7 | 15.0 | | | G0/660 |
| FVH | (80°-90°) | 203.6 | 5.9 | | | G2/225 |
| BL | (0°-30°) | 95.9 | 2.8 | B0/110 | | |
| BM | (30°-60°) | 480.0 | 13.9 | B1/1000 | | |
| BH | (60°-80°) | 515.7 | 15.0 | B2/1000 | | G0/660 |
| BVH | (80°-90°) | 203.6 | 5.9 | | | G2/225 |
| UL | (90°-100°) | 303.2 | 8.8 | | U3/500 | |
| UH | (100°-180°) | 425.3 | 12.4 | | U3/500 | |

BUG Rating: B2-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 13° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 | 164.4 |
| 2.5° | 164.4 | 164.4 | 165.8 | 164.4 | 165.1 | 165.8 | 165.1 | 165.1 | 165.8 | 165.8 | 165.8 |
| 5° | 166.5 | 165.8 | 167.9 | 165.8 | 167.2 | 170.0 | 170.7 | 174.2 | 174.9 | 175.6 | 173.5 |
| 7.5° | 167.9 | 167.9 | 170.0 | 167.2 | 171.4 | 176.3 | 177.7 | 176.3 | 179.8 | 182.5 | 178.4 |
| 10° | 173.5 | 172.8 | 178.4 | 174.9 | 176.3 | 179.8 | 183.2 | 186.7 | 185.3 | 189.5 | 184.6 |
| 12.5° | 180.5 | 181.2 | 187.4 | 182.5 | 188.1 | 189.5 | 188.8 | 190.2 | 188.8 | 191.6 | 190.9 |
| 15° | 195.1 | 194.4 | 206.9 | 200.0 | 199.3 | 198.6 | 196.5 | 194.4 | 195.8 | 197.2 | 195.8 |
| 17.5° | 208.3 | 209.0 | 223.0 | 213.9 | 218.1 | 213.9 | 204.8 | 202.1 | 203.4 | 205.5 | 207.6 |
| 20° | 223.7 | 223.0 | 240.4 | 229.9 | 234.8 | 227.1 | 219.5 | 214.6 | 216.7 | 218.8 | 220.2 |
| 22.5° | 237.6 | 238.3 | 256.4 | 243.2 | 244.6 | 241.8 | 235.5 | 232.7 | 229.9 | 231.3 | 232.0 |
| 25° | 253.6 | 253.6 | 264.8 | 252.2 | 255.0 | 255.0 | 255.0 | 250.8 | 243.9 | 244.6 | 245.9 |
| 27.5° | 271.0 | 271.0 | 282.9 | 269.6 | 270.3 | 273.8 | 273.1 | 269.6 | 261.3 | 259.9 | 262.0 |
| 30° | 287.1 | 287.1 | 302.4 | 287.1 | 290.5 | 293.3 | 291.9 | 287.8 | 280.8 | 275.9 | 276.6 |
| 32.5° | 303.8 | 303.8 | 320.5 | 304.5 | 309.4 | 312.8 | 312.1 | 308.7 | 299.6 | 291.2 | 291.2 |
| 35° | 321.9 | 321.9 | 340.0 | 322.6 | 330.3 | 333.7 | 333.0 | 328.9 | 319.8 | 308.0 | 308.7 |
| 37.5° | 342.1 | 341.4 | 361.6 | 342.8 | 350.5 | 353.2 | 352.5 | 348.4 | 340.7 | 326.8 | 326.8 |
| 40° | 361.6 | 361.6 | 384.6 | 364.4 | 372.1 | 374.8 | 373.5 | 369.3 | 361.6 | 348.4 | 344.9 |
| 42.5° | 383.2 | 382.5 | 410.4 | 387.4 | 393.7 | 395.7 | 393.0 | 389.5 | 383.2 | 370.7 | 365.1 |
| 45° | 404.8 | 404.8 | 436.9 | 411.1 | 416.6 | 416.0 | 415.3 | 411.1 | 404.8 | 392.3 | 384.6 |
| 47.5° | 428.5 | 427.8 | 463.3 | 434.8 | 439.6 | 436.9 | 434.8 | 431.3 | 425.7 | 413.9 | 404.1 |
| 50° | 449.4 | 449.4 | 490.5 | 457.8 | 460.5 | 457.8 | 453.6 | 450.8 | 446.6 | 436.9 | 425.0 |
| 52.5° | 472.4 | 471.7 | 515.6 | 480.1 | 481.4 | 475.9 | 470.3 | 469.6 | 466.8 | 457.8 | 445.2 |
| 55° | 491.9 | 491.9 | 537.2 | 501.0 | 500.3 | 491.9 | 487.0 | 486.3 | 486.3 | 478.7 | 465.4 |
| 57.5° | 509.3 | 510.0 | 556.7 | 519.8 | 516.3 | 506.5 | 500.3 | 501.0 | 503.7 | 498.2 | 483.5 |
| 60° | 523.2 | 524.6 | 570.6 | 534.4 | 529.5 | 517.7 | 510.7 | 513.5 | 518.4 | 514.2 | 499.6 |
| 62.5° | 532.3 | 535.1 | 578.3 | 544.8 | 537.9 | 524.6 | 517.7 | 521.9 | 527.4 | 525.3 | 511.4 |
| 64° | 534.4 | 537.9 | 580.4 | 548.3 | 540.7 | 526.7 | 519.8 | 524.6 | 531.6 | 529.5 | 515.6 |
| 65° | 534.4 | 538.6 | 578.3 | 549.0 | 542.1 | 526.7 | 519.8 | 525.3 | 533.0 | 530.9 | 516.3 |
| 67.5° | 530.2 | 535.1 | 570.6 | 545.5 | 538.6 | 523.9 | 517.0 | 522.6 | 530.2 | 528.1 | 514.2 |
| 70° | 517.7 | 523.9 | 553.9 | 535.1 | 528.8 | 514.9 | 508.6 | 513.5 | 521.2 | 519.8 | 505.1 |
| 72.5° | 498.2 | 505.1 | 532.3 | 517.7 | 513.5 | 501.6 | 494.7 | 499.6 | 506.5 | 503.7 | 488.4 |
| 75° | 472.4 | 480.7 | 505.1 | 495.4 | 494.0 | 483.5 | 478.0 | 482.1 | 486.3 | 480.1 | 463.3 |
| 77.5° | 445.2 | 454.3 | 475.2 | 469.6 | 470.3 | 462.6 | 458.5 | 459.8 | 461.9 | 450.1 | 432.7 |
| 80° | 416.6 | 422.9 | 443.1 | 439.6 | 443.8 | 438.9 | 434.8 | 434.8 | 432.0 | 420.1 | 399.2 |
| 82.5° | 386.0 | 392.3 | 409.7 | 410.4 | 418.0 | 414.6 | 411.8 | 409.0 | 403.4 | 388.1 | 365.8 |
| 85° | 353.9 | 359.5 | 376.9 | 379.0 | 388.1 | 388.8 | 386.7 | 383.2 | 374.8 | 357.4 | 333.0 |
| 87.5° | 324.7 | 329.6 | 346.3 | 348.4 | 360.9 | 365.1 | 363.0 | 360.2 | 348.4 | 328.2 | 304.5 |
| 90° | 298.9 | 302.4 | 319.8 | 321.2 | 335.1 | 342.1 | 341.4 | 335.1 | 323.3 | 301.7 | 278.0 |
| 92.5° | 275.9 | 277.3 | 294.7 | 296.1 | 311.4 | 319.8 | 320.5 | 314.2 | 301.0 | 277.3 | 255.7 |
| 95° | 254.3 | 256.4 | 273.1 | 273.1 | 290.5 | 300.3 | 301.0 | 294.7 | 279.4 | 257.1 | 236.2 |
| 97.5° | 236.2 | 236.9 | 253.6 | 253.6 | 271.0 | 280.8 | 282.9 | 275.9 | 261.3 | 238.3 | 218.1 |
| 100° | 218.8 | 218.8 | 234.8 | 234.8 | 252.2 | 263.4 | 265.5 | 257.8 | 242.5 | 219.5 | 201.4 |
| 102.5° | 203.4 | 202.8 | 218.1 | 217.4 | 235.5 | 246.6 | 248.7 | 241.8 | 226.4 | 203.4 | 186.7 |
| 105° | 189.5 | 188.8 | 202.1 | 201.4 | 219.5 | 231.3 | 234.1 | 226.4 | 209.7 | 187.4 | 174.2 |
| 107.5° | 177.0 | 176.3 | 186.7 | 186.0 | 204.8 | 216.0 | 218.8 | 211.1 | 194.4 | 172.8 | 161.6 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 13° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 165.1 | 163.7 | 173.5 | 172.1 | 190.2 | 201.4 | 204.1 | 196.5 | 180.5 | 159.6 | 151.9 |
| 112.5° | 154.0 | 153.3 | 160.2 | 158.2 | 177.0 | 188.1 | 190.2 | 183.2 | 166.5 | 147.0 | 141.4 |
| 115° | 144.2 | 143.5 | 149.1 | 146.3 | 162.3 | 173.5 | 177.0 | 169.3 | 152.6 | 135.9 | 132.4 |
| 117.5° | 134.5 | 134.5 | 138.0 | 135.2 | 149.1 | 160.9 | 163.0 | 155.4 | 140.0 | 125.4 | 124.0 |
| 120° | 125.4 | 124.7 | 128.2 | 124.0 | 135.9 | 147.0 | 149.1 | 141.4 | 127.5 | 116.4 | 116.4 |
| 122.5° | 116.4 | 116.4 | 118.4 | 114.3 | 121.9 | 133.8 | 135.9 | 128.9 | 115.0 | 107.3 | 108.0 |
| 125° | 108.0 | 107.3 | 109.4 | 103.8 | 108.7 | 119.1 | 121.9 | 115.7 | 103.8 | 98.9 | 100.3 |
| 127.5° | 98.9 | 98.2 | 101.0 | 94.8 | 96.8 | 105.2 | 108.0 | 102.4 | 93.4 | 91.3 | 93.4 |
| 130° | 89.9 | 89.2 | 92.0 | 85.7 | 84.3 | 90.6 | 94.1 | 89.2 | 82.9 | 83.6 | 86.4 |
| 132.5° | 80.8 | 80.1 | 83.6 | 76.6 | 73.2 | 76.6 | 79.4 | 76.6 | 73.2 | 75.2 | 78.7 |
| 135° | 71.8 | 71.8 | 75.2 | 67.6 | 62.7 | 63.4 | 64.8 | 64.1 | 63.4 | 68.3 | 71.1 |
| 137.5° | 63.4 | 62.7 | 66.2 | 59.2 | 53.0 | 50.9 | 51.6 | 51.6 | 53.6 | 59.9 | 63.4 |
| 140° | 53.6 | 53.6 | 56.4 | 50.2 | 43.2 | 39.0 | 39.0 | 39.7 | 44.6 | 51.6 | 55.0 |
| 142.5° | 44.6 | 44.6 | 47.4 | 41.1 | 34.8 | 28.6 | 27.9 | 30.0 | 36.2 | 42.5 | 46.0 |
| 145° | 36.2 | 35.5 | 37.6 | 32.7 | 26.5 | 19.5 | 17.4 | 20.9 | 27.9 | 34.1 | 37.6 |
| 147.5° | 27.2 | 27.2 | 29.3 | 24.4 | 19.5 | 12.5 | 10.5 | 13.2 | 20.2 | 25.8 | 28.6 |
| 150° | 19.5 | 18.8 | 20.9 | 16.7 | 12.5 | 7.7 | 4.2 | 7.7 | 13.2 | 17.4 | 20.2 |
| 152.5° | 12.5 | 11.8 | 13.2 | 10.5 | 7.7 | 3.5 | 1.4 | 4.2 | 7.7 | 11.1 | 13.2 |
| 155° | 6.3 | 6.3 | 7.0 | 5.6 | 3.5 | 1.4 | 0.7 | 1.4 | 3.5 | 5.6 | 7.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|-------|
| 0° | 164.4 |
| 2.5° | 165.8 |
| 5° | 173.5 |
| 7.5° | 178.4 |
| 10° | 181.2 |
| 12.5° | 190.2 |
| 15° | 196.5 |
| 17.5° | 206.9 |
| 20° | 220.2 |
| 22.5° | 232.7 |
| 25° | 245.9 |
| 27.5° | 262.0 |
| 30° | 277.3 |
| 32.5° | 291.9 |
| 35° | 309.4 |
| 37.5° | 326.8 |
| 40° | 346.3 |
| 42.5° | 363.7 |
| 45° | 383.9 |
| 47.5° | 404.8 |
| 50° | 425.0 |
| 52.5° | 445.9 |
| 55° | 466.1 |
| 57.5° | 484.2 |
| 60° | 498.9 |
| 62.5° | 510.0 |
| 64° | 514.2 |
| 65° | 514.2 |
| 67.5° | 510.0 |
| 70° | 500.3 |
| 72.5° | 482.1 |
| 75° | 455.7 |
| 77.5° | 425.0 |
| 80° | 390.9 |
| 82.5° | 359.5 |
| 85° | 326.8 |
| 87.5° | 298.9 |
| 90° | 273.8 |
| 92.5° | 252.2 |
| 95° | 234.1 |
| 97.5° | 216.7 |
| 100° | 200.7 |
| 102.5° | 186.7 |
| 105° | 174.9 |
| 107.5° | 162.3 |



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CATALOG NUMBER: LXT-F02-LED-E-U-SYM-BK-8030

CANDELA DISTRIBUTION (continued):

| | 90° |
|--------|-------|
| 110° | 151.9 |
| 112.5° | 141.4 |
| 115° | 133.1 |
| 117.5° | 124.7 |
| 120° | 116.4 |
| 122.5° | 108.7 |
| 125° | 101.0 |
| 127.5° | 94.1 |
| 130° | 87.1 |
| 132.5° | 79.4 |
| 135° | 71.8 |
| 137.5° | 63.4 |
| 140° | 55.0 |
| 142.5° | 46.0 |
| 145° | 37.6 |
| 147.5° | 28.6 |
| 150° | 20.2 |
| 152.5° | 13.2 |
| 155° | 7.0 |
| 157.5° | 0.0 |
| 160° | 0.0 |
| 162.5° | 0.0 |
| 165° | 0.0 |
| 167.5° | 0.0 |
| 170° | 0.0 |
| 172.5° | 0.0 |
| 175° | 0.0 |
| 177.5° | 0.0 |
| 180° | 0.0 |

(END OF REPORT)