

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: P141548

Luminaire Tested: **ECM-E02-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141548
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-E02-LED-E1-SLR-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4415 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

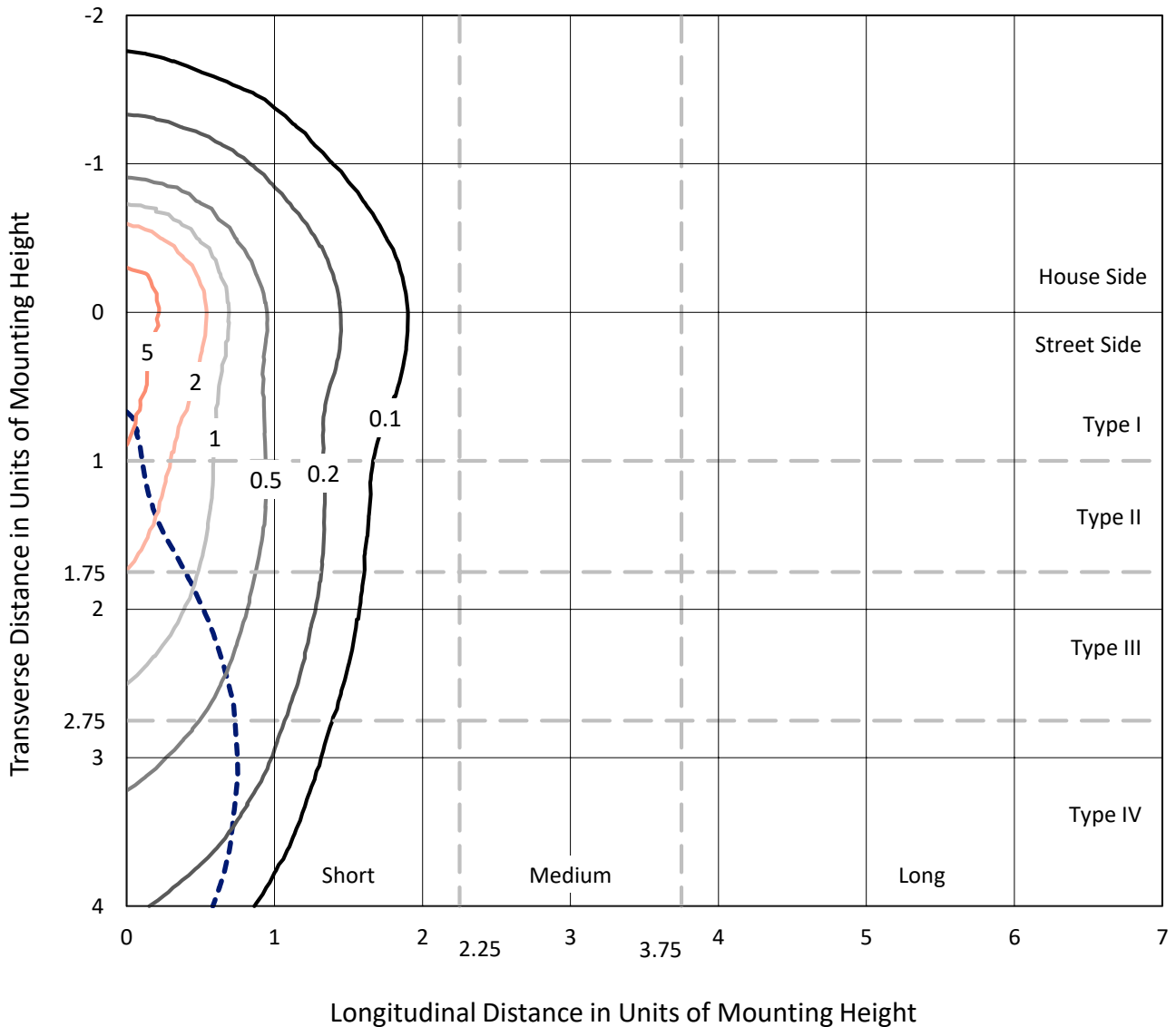
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141548
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Iso-Footcandle Lines of Horizontal Illumination

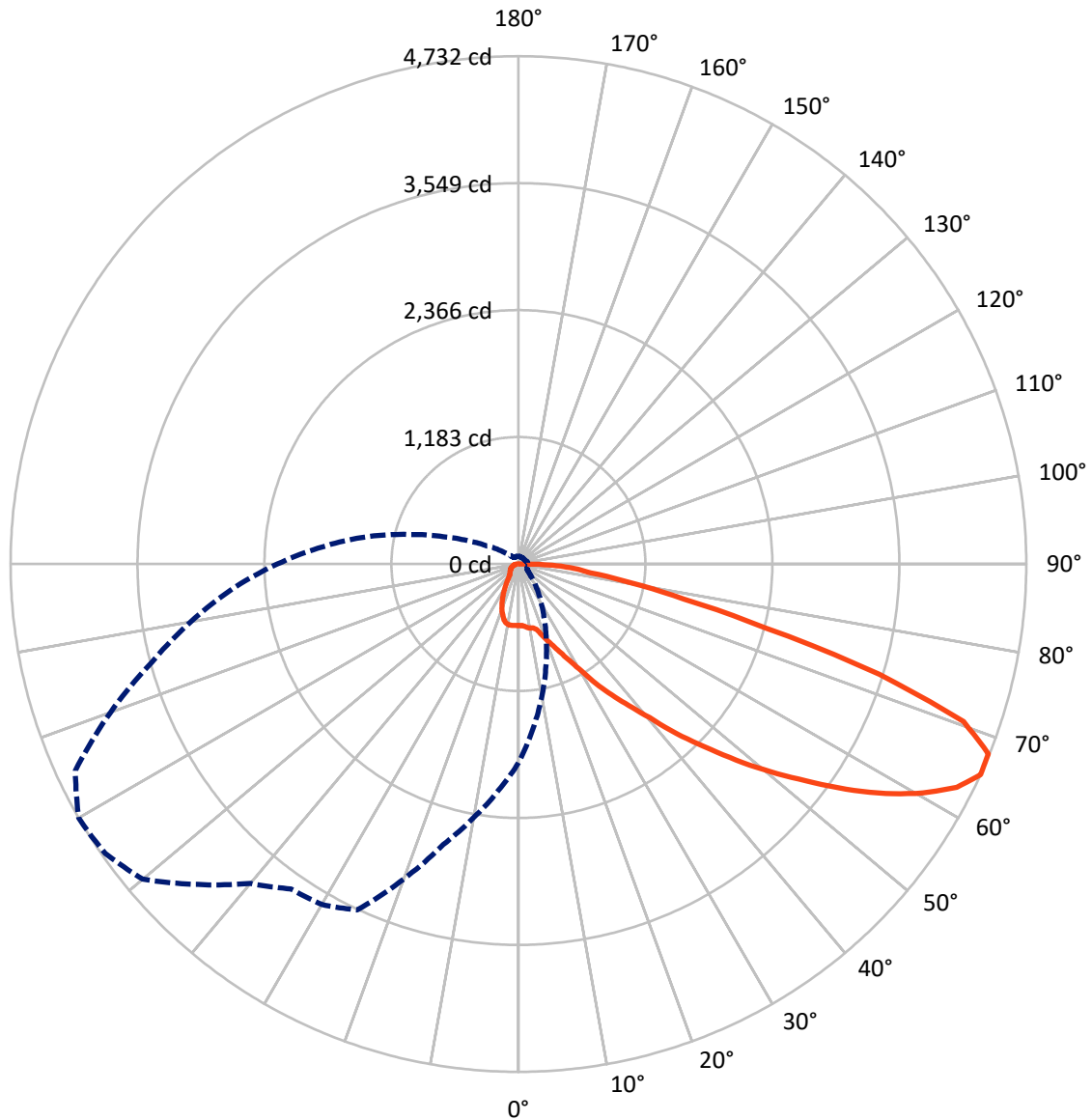
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141548
CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 818.9 | 0.0 | 818.9 |
| | % Fixture | 18.5 | 0.0 | 18.5 |
| Street Side | Lumens | 3596.1 | 0.0 | 3596.1 |
| | % Fixture | 81.5 | 0.0 | 81.5 |
| Total | Lumens | 4415.0 | 0.0 | 4415.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.5 | 1.3 |
| 10°-20° | 166.8 | 3.8 |
| 20°-30° | 277.1 | 6.3 |
| 30°-40° | 405.0 | 9.2 |
| 40°-50° | 616.1 | 14.0 |
| 50°-60° | 885.6 | 20.1 |
| 60°-70° | 1088.8 | 24.7 |
| 70°-80° | 728.4 | 16.5 |
| 80°-90° | 191.6 | 4.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 4415.0 | 100.0 |
| 0°-180° | 4415.0 | 100.0 |

Coefficient of Utilization



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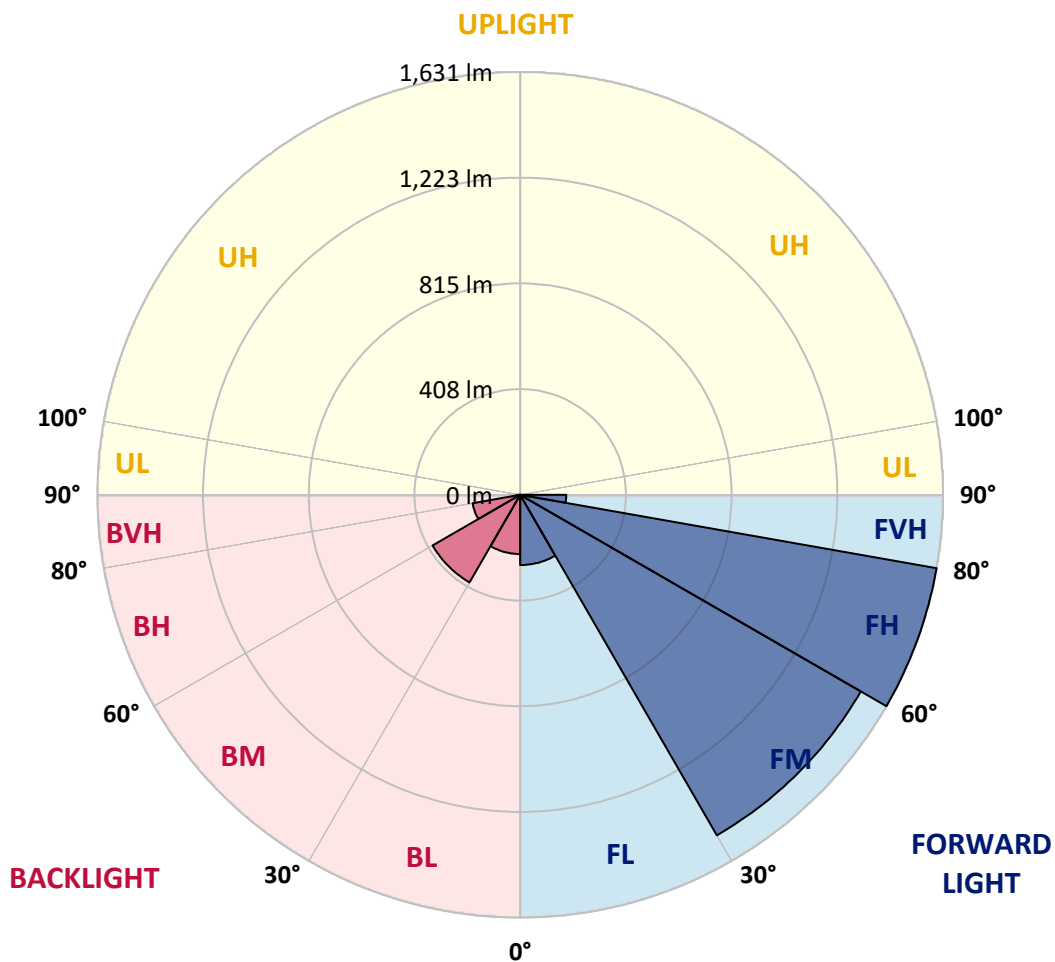
CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 270.8 | 6.1 | | | |
| FM (30°-60°) | 1516.7 | 34.4 | | | |
| FH (60°-80°) | 1630.9 | 36.9 | | | G1/1800 |
| FVH (80°-90°) | 177.7 | 4.0 | | | G2/225 |
| BL (0°-30°) | 228.5 | 5.2 | B1/500 | | |
| BM (30°-60°) | 390.0 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 186.4 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 13.9 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short





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CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 |
| 2.5° | 574.5 | 576.2 | 576.2 | 575.0 | 574.5 | 575.0 | 575.6 | 575.0 | 575.6 | 576.7 | 576.2 |
| 5° | 567.2 | 568.3 | 568.8 | 568.8 | 568.8 | 570.0 | 571.7 | 571.1 | 572.8 | 573.9 | 573.9 |
| 7.5° | 549.7 | 552.0 | 552.0 | 552.5 | 553.7 | 555.3 | 558.2 | 559.3 | 562.1 | 566.0 | 567.2 |
| 10° | 539.0 | 539.6 | 537.9 | 537.3 | 538.5 | 541.8 | 543.5 | 546.3 | 550.8 | 555.3 | 559.8 |
| 12.5° | 541.8 | 542.4 | 539.6 | 540.2 | 540.2 | 541.8 | 546.9 | 549.2 | 550.8 | 553.7 | 558.2 |
| 15° | 564.9 | 564.9 | 561.5 | 562.7 | 563.2 | 565.5 | 565.5 | 561.5 | 560.4 | 557.6 | 555.3 |
| 17.5° | 595.9 | 591.4 | 590.8 | 590.2 | 592.5 | 590.2 | 585.2 | 576.2 | 565.5 | 554.2 | 545.2 |
| 20° | 627.9 | 628.5 | 625.1 | 624.6 | 618.4 | 610.5 | 595.9 | 577.9 | 558.7 | 541.3 | 523.3 |
| 22.5° | 675.8 | 676.9 | 670.7 | 658.3 | 644.8 | 624.0 | 597.5 | 570.0 | 542.4 | 518.2 | 497.4 |
| 25° | 748.3 | 736.5 | 722.5 | 696.6 | 662.3 | 625.7 | 589.1 | 554.8 | 518.8 | 486.7 | 460.3 |
| 27.5° | 820.4 | 796.7 | 759.0 | 716.8 | 668.4 | 621.2 | 577.9 | 531.7 | 489.0 | 450.1 | 419.7 |
| 30° | 887.3 | 843.4 | 789.4 | 729.2 | 667.3 | 606.5 | 551.4 | 499.1 | 448.4 | 406.8 | 370.8 |
| 32.5° | 955.4 | 891.3 | 816.4 | 732.0 | 650.4 | 577.9 | 514.3 | 454.1 | 404.0 | 353.4 | 314.5 |
| 35° | 1040.9 | 944.1 | 832.7 | 721.3 | 621.2 | 532.8 | 464.8 | 407.4 | 353.4 | 302.1 | 261.6 |
| 37.5° | 1119.1 | 986.3 | 841.2 | 703.3 | 582.9 | 486.1 | 411.3 | 352.8 | 302.1 | 258.8 | 223.9 |
| 40° | 1176.5 | 1013.9 | 840.1 | 680.3 | 544.1 | 438.3 | 364.6 | 311.7 | 266.1 | 231.8 | 204.8 |
| 42.5° | 1221.5 | 1029.7 | 834.4 | 658.3 | 510.3 | 403.4 | 334.2 | 285.8 | 249.8 | 222.3 | 201.4 |
| 45° | 1252.5 | 1040.9 | 831.0 | 640.9 | 487.8 | 386.5 | 324.1 | 283.6 | 253.2 | 228.4 | 204.8 |
| 47.5° | 1279.5 | 1053.9 | 829.9 | 633.0 | 482.8 | 391.6 | 337.6 | 301.0 | 267.8 | 235.8 | 204.2 |
| 50° | 1306.5 | 1066.8 | 840.1 | 645.9 | 501.9 | 419.7 | 369.1 | 322.4 | 276.8 | 233.5 | 194.7 |
| 52.5° | 1343.6 | 1104.5 | 877.8 | 683.1 | 543.5 | 459.1 | 398.9 | 339.8 | 278.5 | 227.9 | 185.7 |
| 55° | 1399.3 | 1163.0 | 931.8 | 732.0 | 588.5 | 501.9 | 423.1 | 346.6 | 276.8 | 221.7 | 177.2 |
| 57.5° | 1490.5 | 1249.1 | 1005.5 | 800.1 | 647.1 | 535.1 | 436.6 | 349.4 | 272.9 | 214.9 | 170.5 |
| 60° | 1605.8 | 1347.6 | 1098.3 | 871.6 | 697.1 | 558.2 | 442.3 | 348.3 | 267.3 | 207.1 | 160.9 |
| 62.5° | 1736.9 | 1455.6 | 1182.1 | 936.8 | 733.1 | 568.8 | 440.0 | 339.3 | 254.3 | 190.7 | 147.4 |
| 65° | 1852.3 | 1541.7 | 1252.5 | 989.2 | 755.7 | 568.8 | 425.9 | 318.5 | 231.3 | 167.7 | 130.0 |
| 67.5° | 1946.8 | 1614.3 | 1306.5 | 1019.5 | 757.9 | 549.2 | 392.2 | 280.8 | 194.7 | 139.0 | 109.7 |
| 70° | 1996.3 | 1637.3 | 1323.4 | 1016.2 | 720.2 | 492.3 | 330.3 | 218.3 | 142.9 | 108.0 | 88.3 |
| 72.5° | 1941.7 | 1582.8 | 1251.4 | 918.3 | 600.9 | 367.4 | 231.3 | 148.5 | 102.4 | 83.8 | 73.1 |
| 75° | 1727.9 | 1343.1 | 1041.5 | 710.1 | 430.4 | 229.0 | 143.5 | 104.1 | 81.0 | 69.8 | 64.1 |
| 77.5° | 1290.2 | 1001.0 | 716.8 | 449.6 | 246.4 | 139.0 | 100.7 | 79.3 | 68.1 | 61.3 | 56.3 |
| 80° | 811.4 | 616.7 | 431.0 | 247.6 | 140.7 | 102.4 | 83.8 | 70.9 | 61.9 | 53.5 | 48.4 |
| 82.5° | 451.8 | 328.6 | 219.4 | 141.2 | 97.9 | 82.7 | 72.6 | 65.3 | 55.1 | 46.7 | 41.6 |
| 85° | 308.9 | 203.1 | 138.4 | 92.8 | 67.5 | 60.2 | 54.0 | 49.5 | 42.2 | 35.4 | 32.6 |
| 87.5° | 125.5 | 117.0 | 85.0 | 37.1 | 27.6 | 24.8 | 21.9 | 27.0 | 22.5 | 17.4 | 16.3 |
| 90° | 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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CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 |
| 2.5° | 577.3 | 576.2 | 576.7 | 576.2 | 575.6 | 575.0 | 574.5 | 575.0 | 573.9 | 574.5 | 574.5 |
| 5° | 575.6 | 574.5 | 576.2 | 575.6 | 574.5 | 574.5 | 573.9 | 573.9 | 573.9 | 573.9 | 574.5 |
| 7.5° | 570.5 | 570.5 | 572.2 | 572.2 | 571.1 | 571.1 | 570.0 | 569.4 | 569.4 | 570.0 | 571.1 |
| 10° | 563.8 | 565.5 | 568.3 | 567.2 | 564.9 | 563.8 | 562.1 | 561.0 | 560.4 | 561.5 | 562.7 |
| 12.5° | 558.7 | 559.8 | 558.2 | 556.5 | 553.1 | 549.2 | 548.6 | 545.8 | 544.1 | 546.9 | 546.9 |
| 15° | 550.3 | 545.8 | 539.6 | 534.0 | 526.1 | 522.1 | 517.6 | 516.5 | 512.6 | 513.1 | 516.0 |
| 17.5° | 532.3 | 520.5 | 510.9 | 505.3 | 498.5 | 495.7 | 490.6 | 487.8 | 485.0 | 482.2 | 483.9 |
| 20° | 507.0 | 494.0 | 481.6 | 474.3 | 463.6 | 461.4 | 452.9 | 452.9 | 449.6 | 450.1 | 453.5 |
| 22.5° | 474.9 | 455.2 | 439.4 | 430.4 | 419.2 | 414.7 | 410.7 | 407.9 | 406.2 | 409.6 | 405.7 |
| 25° | 432.7 | 409.1 | 394.4 | 381.5 | 369.1 | 364.6 | 359.5 | 357.9 | 358.4 | 356.2 | 360.1 |
| 27.5° | 389.4 | 360.1 | 344.3 | 329.7 | 320.7 | 312.8 | 308.9 | 307.8 | 305.5 | 311.7 | 308.3 |
| 30° | 334.8 | 308.3 | 289.8 | 274.6 | 263.9 | 259.9 | 256.0 | 254.9 | 258.3 | 253.8 | 251.5 |
| 32.5° | 279.6 | 250.9 | 235.2 | 222.3 | 214.4 | 206.5 | 205.4 | 203.1 | 199.2 | 204.2 | 203.1 |
| 35° | 229.6 | 205.4 | 189.1 | 181.2 | 170.5 | 167.1 | 160.4 | 158.7 | 159.2 | 160.4 | 159.8 |
| 37.5° | 199.2 | 182.3 | 167.7 | 157.0 | 149.1 | 144.6 | 142.4 | 140.1 | 140.1 | 139.0 | 138.4 |
| 40° | 185.1 | 171.0 | 157.5 | 147.4 | 141.2 | 137.9 | 135.6 | 133.4 | 131.7 | 130.0 | 128.3 |
| 42.5° | 182.9 | 166.0 | 150.8 | 140.7 | 135.0 | 133.9 | 133.4 | 131.7 | 129.4 | 126.6 | 124.3 |
| 45° | 181.2 | 159.8 | 144.0 | 135.0 | 131.1 | 130.5 | 130.5 | 128.8 | 127.2 | 124.3 | 121.0 |
| 47.5° | 175.6 | 151.9 | 136.7 | 130.0 | 128.3 | 128.8 | 128.3 | 126.6 | 125.5 | 122.7 | 118.7 |
| 50° | 163.2 | 140.1 | 125.5 | 120.4 | 119.8 | 119.3 | 119.3 | 118.7 | 117.6 | 115.3 | 111.4 |
| 52.5° | 152.5 | 129.4 | 117.6 | 114.2 | 113.1 | 113.1 | 112.0 | 111.4 | 109.2 | 107.5 | 104.7 |
| 55° | 145.7 | 123.8 | 113.7 | 111.4 | 111.4 | 110.8 | 109.7 | 108.0 | 106.3 | 104.1 | 100.7 |
| 57.5° | 139.5 | 119.3 | 110.8 | 109.2 | 109.7 | 109.2 | 108.0 | 106.9 | 104.7 | 101.8 | 97.9 |
| 60° | 130.5 | 112.5 | 105.2 | 104.7 | 105.8 | 106.9 | 106.3 | 105.8 | 104.1 | 100.2 | 94.5 |
| 62.5° | 117.6 | 101.3 | 95.7 | 96.8 | 97.9 | 99.0 | 98.5 | 97.9 | 96.2 | 92.8 | 87.8 |
| 65° | 104.7 | 92.8 | 89.5 | 90.6 | 91.7 | 91.7 | 91.7 | 90.6 | 89.5 | 85.5 | 81.6 |
| 67.5° | 92.3 | 85.0 | 83.8 | 85.0 | 85.5 | 85.5 | 86.1 | 85.0 | 83.3 | 80.5 | 76.5 |
| 70° | 78.8 | 75.4 | 75.4 | 76.5 | 77.1 | 76.5 | 77.1 | 75.4 | 73.7 | 72.0 | 68.1 |
| 72.5° | 70.3 | 70.3 | 69.8 | 69.8 | 69.8 | 68.6 | 68.1 | 67.0 | 65.3 | 63.6 | 60.2 |
| 75° | 62.5 | 62.5 | 61.9 | 63.0 | 60.8 | 59.1 | 58.5 | 57.4 | 55.7 | 53.5 | 51.2 |
| 77.5° | 53.5 | 52.3 | 52.3 | 54.0 | 53.5 | 51.2 | 49.5 | 49.0 | 46.7 | 44.5 | 43.3 |
| 80° | 46.1 | 45.0 | 45.0 | 44.5 | 43.3 | 42.8 | 40.5 | 38.3 | 37.7 | 37.7 | 36.0 |
| 82.5° | 40.5 | 39.9 | 38.3 | 37.1 | 35.4 | 33.8 | 32.1 | 30.9 | 29.3 | 28.7 | 29.3 |
| 85° | 32.1 | 32.6 | 30.9 | 29.8 | 28.1 | 25.9 | 24.2 | 23.1 | 21.9 | 21.9 | 24.2 |
| 87.5° | 18.6 | 17.4 | 17.4 | 16.9 | 16.3 | 14.6 | 14.6 | 12.9 | 12.4 | 15.8 | 16.3 |
| 90° | 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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CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 |
| 2.5° | 575.0 | 575.0 | 573.4 | 574.5 | 573.9 | 574.5 | 576.7 | 574.5 | 573.9 | 575.6 | 577.3 |
| 5° | 575.0 | 576.2 | 574.5 | 575.6 | 575.6 | 577.3 | 580.1 | 578.4 | 579.5 | 581.8 | 584.0 |
| 7.5° | 572.8 | 574.5 | 574.5 | 576.7 | 578.4 | 581.2 | 585.2 | 584.0 | 586.3 | 589.7 | 592.5 |
| 10° | 566.6 | 569.4 | 572.2 | 575.6 | 579.5 | 584.0 | 589.7 | 589.7 | 591.9 | 596.4 | 599.2 |
| 12.5° | 551.4 | 558.7 | 562.1 | 570.0 | 576.2 | 582.9 | 589.1 | 593.0 | 594.7 | 598.7 | 602.0 |
| 15° | 521.0 | 530.0 | 536.8 | 546.3 | 556.5 | 566.0 | 576.7 | 580.7 | 584.0 | 585.7 | 587.4 |
| 17.5° | 486.1 | 492.3 | 496.8 | 509.2 | 520.5 | 529.5 | 539.6 | 544.7 | 548.6 | 548.6 | 549.7 |
| 20° | 457.4 | 460.3 | 461.4 | 461.4 | 468.1 | 476.6 | 489.5 | 487.8 | 491.2 | 487.8 | 491.2 |
| 22.5° | 413.0 | 408.5 | 410.7 | 410.7 | 415.2 | 413.6 | 418.6 | 427.1 | 425.9 | 428.2 | 437.7 |
| 25° | 359.0 | 359.5 | 355.6 | 355.6 | 356.2 | 357.3 | 359.5 | 361.8 | 369.7 | 378.1 | 384.3 |
| 27.5° | 307.8 | 306.7 | 303.8 | 301.6 | 299.3 | 303.3 | 306.1 | 305.5 | 316.8 | 323.5 | 334.8 |
| 30° | 251.5 | 251.5 | 252.1 | 250.9 | 253.2 | 250.4 | 254.9 | 256.0 | 265.6 | 272.9 | 283.0 |
| 32.5° | 204.8 | 205.9 | 205.9 | 205.4 | 209.3 | 206.5 | 208.7 | 211.6 | 217.7 | 223.9 | 229.0 |
| 35° | 162.6 | 164.3 | 168.8 | 170.5 | 172.2 | 169.9 | 172.7 | 176.1 | 176.7 | 182.3 | 186.2 |
| 37.5° | 137.9 | 140.7 | 141.2 | 142.4 | 142.4 | 144.0 | 144.6 | 146.9 | 146.9 | 148.5 | 149.7 |
| 40° | 127.2 | 126.0 | 125.5 | 124.9 | 123.8 | 124.3 | 124.9 | 126.6 | 127.2 | 128.3 | 128.3 |
| 42.5° | 122.1 | 120.4 | 117.6 | 115.9 | 113.7 | 113.7 | 113.7 | 113.7 | 115.3 | 116.5 | 116.5 |
| 45° | 117.6 | 114.8 | 112.0 | 109.2 | 107.5 | 106.3 | 106.9 | 107.5 | 108.6 | 109.2 | 109.7 |
| 47.5° | 114.8 | 110.8 | 106.3 | 103.5 | 101.8 | 100.7 | 101.3 | 101.8 | 101.8 | 102.4 | 103.0 |
| 50° | 106.9 | 103.0 | 99.0 | 96.2 | 94.5 | 94.0 | 94.0 | 93.4 | 94.0 | 94.5 | 94.5 |
| 52.5° | 100.7 | 96.8 | 93.4 | 90.6 | 88.9 | 88.9 | 88.3 | 87.2 | 87.8 | 87.2 | 87.8 |
| 55° | 97.3 | 92.3 | 88.3 | 85.5 | 83.8 | 83.8 | 82.7 | 83.3 | 83.3 | 82.1 | 82.7 |
| 57.5° | 93.4 | 88.3 | 85.0 | 81.6 | 79.3 | 79.3 | 78.8 | 79.3 | 79.9 | 78.2 | 78.2 |
| 60° | 89.5 | 85.0 | 81.0 | 78.2 | 75.4 | 76.0 | 75.4 | 76.5 | 76.5 | 74.8 | 74.8 |
| 62.5° | 82.1 | 78.2 | 76.0 | 74.3 | 72.0 | 72.6 | 72.6 | 74.3 | 72.6 | 71.5 | 70.9 |
| 65° | 76.5 | 73.7 | 70.3 | 70.3 | 68.1 | 69.2 | 69.2 | 69.2 | 67.5 | 67.0 | 67.5 |
| 67.5° | 72.6 | 69.2 | 67.0 | 64.7 | 63.0 | 63.6 | 62.5 | 62.5 | 61.9 | 61.3 | 62.5 |
| 70° | 65.3 | 62.5 | 61.3 | 59.1 | 58.0 | 56.3 | 55.7 | 55.7 | 55.7 | 55.1 | 55.7 |
| 72.5° | 58.0 | 55.7 | 54.6 | 52.3 | 51.2 | 50.1 | 49.5 | 49.0 | 48.4 | 49.0 | 49.0 |
| 75° | 49.0 | 47.8 | 46.7 | 45.6 | 44.5 | 43.9 | 43.3 | 43.3 | 42.8 | 42.2 | 42.8 |
| 77.5° | 42.2 | 40.5 | 39.9 | 38.8 | 39.4 | 37.7 | 37.1 | 37.7 | 37.7 | 37.7 | 38.3 |
| 80° | 36.0 | 34.9 | 34.9 | 33.8 | 33.2 | 32.1 | 32.6 | 32.6 | 32.6 | 32.6 | 33.2 |
| 82.5° | 31.5 | 30.4 | 30.4 | 29.8 | 28.1 | 27.0 | 27.6 | 28.7 | 28.7 | 28.1 | 29.3 |
| 85° | 25.9 | 24.8 | 24.8 | 24.2 | 21.9 | 21.4 | 20.8 | 21.9 | 22.5 | 21.4 | 22.5 |
| 87.5° | 16.9 | 15.8 | 15.2 | 15.2 | 12.9 | 9.0 | 11.8 | 12.9 | 12.9 | 10.7 | 12.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P141548

CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 |
| 2.5° | 576.7 | 577.9 | 577.9 | 579.0 | 581.2 | 579.0 | 577.9 | 579.5 | 579.5 | 579.0 | 579.0 |
| 5° | 584.0 | 586.3 | 586.9 | 590.2 | 591.9 | 590.8 | 591.9 | 593.0 | 593.6 | 592.5 | 593.6 |
| 7.5° | 593.6 | 596.4 | 599.2 | 603.2 | 606.5 | 606.0 | 607.7 | 609.9 | 610.5 | 610.5 | 611.6 |
| 10° | 601.5 | 605.4 | 608.2 | 613.3 | 617.2 | 618.4 | 620.1 | 622.9 | 625.7 | 625.7 | 627.9 |
| 12.5° | 603.2 | 607.7 | 610.5 | 615.0 | 621.7 | 624.0 | 627.9 | 634.7 | 637.5 | 639.7 | 641.4 |
| 15° | 588.5 | 592.5 | 596.4 | 602.6 | 610.5 | 617.2 | 626.2 | 635.8 | 644.2 | 650.4 | 652.7 |
| 17.5° | 550.3 | 550.8 | 554.8 | 563.8 | 580.1 | 587.4 | 598.7 | 618.4 | 630.2 | 641.4 | 652.1 |
| 20° | 494.0 | 504.7 | 508.6 | 520.5 | 536.2 | 547.5 | 560.4 | 578.4 | 596.4 | 616.7 | 634.7 |
| 22.5° | 444.5 | 458.6 | 469.8 | 483.9 | 496.8 | 509.8 | 526.1 | 541.8 | 561.5 | 581.2 | 602.6 |
| 25° | 393.9 | 406.8 | 422.6 | 437.7 | 452.9 | 469.3 | 489.5 | 506.4 | 526.1 | 549.2 | 576.2 |
| 27.5° | 344.9 | 358.4 | 375.9 | 393.9 | 406.2 | 428.2 | 445.1 | 469.8 | 492.3 | 517.6 | 548.0 |
| 30° | 293.7 | 306.7 | 315.1 | 334.8 | 352.2 | 374.2 | 400.1 | 424.2 | 451.3 | 479.4 | 514.8 |
| 32.5° | 238.0 | 245.9 | 257.7 | 271.2 | 291.5 | 314.5 | 341.5 | 367.4 | 404.6 | 439.4 | 473.2 |
| 35° | 190.7 | 194.7 | 194.1 | 209.3 | 218.3 | 245.9 | 279.6 | 304.4 | 341.5 | 384.3 | 428.7 |
| 37.5° | 150.2 | 149.7 | 153.0 | 155.3 | 166.5 | 184.6 | 211.0 | 243.1 | 285.8 | 332.0 | 376.4 |
| 40° | 128.3 | 128.8 | 129.4 | 129.4 | 131.7 | 143.5 | 167.1 | 200.3 | 241.4 | 282.5 | 331.4 |
| 42.5° | 118.2 | 119.3 | 119.8 | 121.0 | 122.1 | 126.0 | 142.9 | 173.9 | 208.7 | 252.6 | 296.5 |
| 45° | 110.8 | 112.5 | 114.2 | 114.2 | 115.3 | 116.5 | 126.0 | 149.7 | 184.6 | 226.2 | 272.3 |
| 47.5° | 104.7 | 106.3 | 107.5 | 108.0 | 109.2 | 110.3 | 115.3 | 131.7 | 165.4 | 203.1 | 250.9 |
| 50° | 95.7 | 97.3 | 98.5 | 100.2 | 100.2 | 100.2 | 103.5 | 115.3 | 141.2 | 178.4 | 225.1 |
| 52.5° | 88.3 | 89.5 | 91.2 | 92.3 | 92.8 | 93.4 | 95.1 | 101.8 | 121.5 | 156.4 | 200.3 |
| 55° | 84.4 | 85.5 | 87.2 | 88.3 | 89.5 | 90.0 | 91.2 | 94.0 | 108.0 | 137.9 | 178.9 |
| 57.5° | 79.3 | 81.0 | 83.3 | 84.4 | 85.5 | 86.1 | 86.6 | 87.8 | 97.3 | 119.8 | 153.6 |
| 60° | 76.0 | 78.8 | 81.6 | 83.3 | 83.8 | 84.4 | 85.0 | 83.8 | 87.8 | 101.8 | 128.3 |
| 62.5° | 72.0 | 74.8 | 77.1 | 79.3 | 79.9 | 80.5 | 81.0 | 79.3 | 78.8 | 85.5 | 100.2 |
| 65° | 68.6 | 70.3 | 72.0 | 73.7 | 73.7 | 74.3 | 73.7 | 71.5 | 69.8 | 69.8 | 76.5 |
| 67.5° | 64.1 | 65.3 | 67.0 | 67.5 | 67.5 | 67.5 | 67.0 | 66.4 | 63.6 | 62.5 | 63.6 |
| 70° | 57.4 | 59.1 | 60.8 | 61.9 | 61.9 | 61.3 | 60.8 | 59.1 | 58.0 | 56.8 | 58.0 |
| 72.5° | 51.2 | 53.5 | 54.0 | 54.6 | 54.0 | 54.0 | 54.0 | 52.9 | 53.5 | 53.5 | 54.0 |
| 75° | 45.0 | 46.1 | 46.1 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 48.4 | 47.8 | 48.4 |
| 77.5° | 38.3 | 38.8 | 39.9 | 39.9 | 39.9 | 40.5 | 41.6 | 41.6 | 42.8 | 43.3 | 43.3 |
| 80° | 33.2 | 32.1 | 32.1 | 31.5 | 32.1 | 33.2 | 34.3 | 36.6 | 36.6 | 37.1 | 37.7 |
| 82.5° | 26.4 | 24.2 | 23.1 | 24.2 | 24.2 | 24.8 | 27.0 | 29.3 | 29.3 | 30.9 | 31.5 |
| 85° | 20.3 | 17.4 | 15.2 | 16.3 | 16.3 | 17.4 | 19.7 | 20.8 | 22.5 | 23.1 | 22.5 |
| 87.5° | 11.8 | 10.1 | 6.8 | 5.6 | 6.8 | 8.4 | 9.0 | 10.1 | 8.4 | 9.6 | 10.1 |
| 90° | 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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CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 |
| 2.5° | 580.1 | 580.1 | 577.3 | 577.3 | 577.9 | 579.0 | 576.2 | 575.6 | 576.2 | 575.6 | 575.0 |
| 5° | 595.3 | 593.6 | 593.0 | 591.9 | 591.4 | 592.5 | 589.7 | 589.7 | 589.1 | 588.0 | 586.3 |
| 7.5° | 612.2 | 611.0 | 609.9 | 608.8 | 607.7 | 608.2 | 605.4 | 604.9 | 604.3 | 603.7 | 602.0 |
| 10° | 627.9 | 626.2 | 625.1 | 622.3 | 620.1 | 617.8 | 612.2 | 610.5 | 608.8 | 607.7 | 607.1 |
| 12.5° | 640.9 | 639.2 | 635.2 | 630.2 | 626.8 | 621.2 | 616.7 | 612.7 | 611.0 | 609.4 | 609.9 |
| 15° | 653.2 | 649.9 | 644.8 | 638.6 | 635.2 | 629.6 | 626.2 | 624.6 | 623.4 | 622.3 | 623.4 |
| 17.5° | 657.2 | 658.3 | 655.5 | 653.8 | 651.6 | 649.3 | 649.9 | 651.6 | 654.9 | 654.9 | 654.9 |
| 20° | 649.9 | 662.3 | 670.1 | 676.3 | 681.4 | 684.8 | 685.3 | 687.0 | 690.9 | 692.6 | 701.1 |
| 22.5° | 632.4 | 664.5 | 690.9 | 712.3 | 725.8 | 730.3 | 735.4 | 741.0 | 741.6 | 743.3 | 751.2 |
| 25° | 616.1 | 662.8 | 702.2 | 736.0 | 767.5 | 789.4 | 801.8 | 813.0 | 815.9 | 818.1 | 818.1 |
| 27.5° | 587.4 | 639.2 | 689.8 | 734.8 | 778.2 | 814.7 | 843.4 | 872.7 | 892.9 | 900.3 | 910.9 |
| 30° | 557.0 | 611.6 | 663.9 | 720.8 | 775.9 | 827.1 | 878.9 | 926.1 | 959.3 | 984.1 | 1003.8 |
| 32.5° | 518.8 | 577.9 | 637.5 | 699.4 | 765.2 | 829.4 | 898.6 | 967.2 | 1030.2 | 1079.7 | 1110.1 |
| 35° | 478.8 | 540.7 | 602.6 | 670.7 | 745.0 | 822.6 | 910.9 | 1002.1 | 1086.5 | 1167.0 | 1236.2 |
| 37.5° | 434.9 | 493.5 | 561.0 | 638.6 | 718.5 | 811.4 | 914.3 | 1027.4 | 1144.5 | 1259.8 | 1349.3 |
| 40° | 384.9 | 441.7 | 507.0 | 588.5 | 685.3 | 790.0 | 912.6 | 1047.1 | 1194.0 | 1337.4 | 1481.5 |
| 42.5° | 350.5 | 402.9 | 465.3 | 547.5 | 645.9 | 765.8 | 905.9 | 1065.1 | 1239.0 | 1416.8 | 1598.0 |
| 45° | 324.7 | 375.9 | 437.2 | 516.0 | 616.1 | 742.1 | 903.6 | 1085.4 | 1286.2 | 1489.9 | 1701.5 |
| 47.5° | 302.1 | 355.0 | 414.1 | 491.8 | 588.5 | 720.8 | 898.6 | 1102.3 | 1325.6 | 1546.2 | 1791.5 |
| 50° | 280.2 | 334.2 | 395.0 | 473.2 | 568.3 | 697.7 | 887.3 | 1117.4 | 1362.8 | 1604.7 | 1865.8 |
| 52.5° | 256.0 | 309.5 | 374.7 | 454.6 | 555.3 | 683.1 | 875.5 | 1129.8 | 1398.8 | 1667.2 | 1942.9 |
| 55° | 230.1 | 284.1 | 348.3 | 432.7 | 537.9 | 671.8 | 863.7 | 1137.7 | 1436.5 | 1723.4 | 2012.1 |
| 57.5° | 202.0 | 256.0 | 318.5 | 404.6 | 516.5 | 656.6 | 850.7 | 1137.1 | 1464.0 | 1776.3 | 2086.9 |
| 60° | 167.7 | 216.6 | 278.5 | 365.2 | 479.4 | 635.2 | 840.1 | 1132.6 | 1483.7 | 1823.0 | 2170.2 |
| 62.5° | 127.7 | 169.4 | 226.2 | 307.2 | 425.9 | 594.2 | 811.9 | 1113.5 | 1486.0 | 1856.8 | 2239.4 |
| 65° | 91.2 | 113.7 | 158.7 | 239.7 | 338.2 | 502.5 | 743.8 | 1062.9 | 1448.9 | 1832.6 | 2245.6 |
| 67.5° | 69.8 | 82.1 | 104.1 | 152.5 | 239.7 | 382.6 | 626.8 | 949.2 | 1333.5 | 1703.7 | 2142.0 |
| 70° | 60.2 | 66.4 | 78.2 | 99.6 | 150.2 | 248.1 | 443.9 | 750.0 | 1098.3 | 1465.7 | 1839.9 |
| 72.5° | 55.7 | 59.6 | 67.0 | 77.6 | 95.7 | 146.3 | 273.5 | 504.1 | 806.9 | 1117.4 | 1444.9 |
| 75° | 51.2 | 55.1 | 60.8 | 67.5 | 76.5 | 97.9 | 149.1 | 296.5 | 498.0 | 738.2 | 971.2 |
| 77.5° | 45.6 | 49.0 | 56.3 | 62.5 | 68.1 | 76.5 | 95.1 | 164.9 | 274.0 | 441.7 | 581.2 |
| 80° | 38.3 | 41.6 | 47.3 | 56.8 | 62.5 | 68.1 | 74.3 | 101.3 | 151.4 | 228.4 | 298.2 |
| 82.5° | 31.5 | 33.2 | 37.7 | 46.1 | 51.2 | 54.0 | 55.7 | 65.8 | 86.1 | 112.5 | 164.3 |
| 85° | 21.9 | 21.9 | 25.3 | 29.8 | 33.8 | 31.5 | 32.1 | 33.8 | 44.5 | 62.5 | 126.0 |
| 87.5° | 8.4 | 6.2 | 7.9 | 9.6 | 9.6 | 9.0 | 10.7 | 10.1 | 14.1 | 26.4 | 36.0 |
| 90° | 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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 CATALOG NUMBER: ECM-E02-LED-E1-SLR-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 0° |
| 2.5° | 575.0 | 575.0 | 574.5 | 573.9 | 573.4 | 573.4 | 572.2 | 573.9 | 573.4 | 573.9 | 574.5 | 2.5° |
| 5° | 586.9 | 585.7 | 584.6 | 583.5 | 583.5 | 582.4 | 580.7 | 580.1 | 577.9 | 577.3 | 575.6 | 5° |
| 7.5° | 603.7 | 603.7 | 603.7 | 602.6 | 600.4 | 597.5 | 594.2 | 591.9 | 585.7 | 581.2 | 576.2 | 7.5° |
| 10° | 608.2 | 609.4 | 609.9 | 610.5 | 608.2 | 607.7 | 603.7 | 599.2 | 591.9 | 585.2 | 578.4 | 10° |
| 12.5° | 609.9 | 612.2 | 612.7 | 613.3 | 611.6 | 610.5 | 606.5 | 603.7 | 597.5 | 590.8 | 587.4 | 12.5° |
| 15° | 625.7 | 629.6 | 634.1 | 633.6 | 638.6 | 633.0 | 629.6 | 630.2 | 623.4 | 616.1 | 613.9 | 15° |
| 17.5° | 666.2 | 667.9 | 677.4 | 678.0 | 685.9 | 688.1 | 682.5 | 676.3 | 672.4 | 667.9 | 658.3 | 17.5° |
| 20° | 710.1 | 722.5 | 725.8 | 742.7 | 750.6 | 754.5 | 755.1 | 755.1 | 747.8 | 728.1 | 720.2 | 20° |
| 22.5° | 757.9 | 776.5 | 796.7 | 807.4 | 823.7 | 826.0 | 834.4 | 829.4 | 823.7 | 808.5 | 790.5 | 22.5° |
| 25° | 835.0 | 845.7 | 863.7 | 890.7 | 898.6 | 914.9 | 911.5 | 918.8 | 906.4 | 880.0 | 869.3 | 25° |
| 27.5° | 921.1 | 939.6 | 965.0 | 990.3 | 1001.5 | 1019.5 | 1008.3 | 1019.5 | 999.3 | 992.0 | 966.1 | 27.5° |
| 30° | 1015.0 | 1040.4 | 1085.4 | 1116.9 | 1140.0 | 1152.3 | 1145.0 | 1138.8 | 1133.2 | 1119.7 | 1118.0 | 30° |
| 32.5° | 1130.4 | 1160.8 | 1203.5 | 1244.6 | 1285.1 | 1327.3 | 1337.4 | 1346.4 | 1367.3 | 1326.2 | 1286.2 | 32.5° |
| 35° | 1272.7 | 1295.8 | 1343.6 | 1390.9 | 1446.6 | 1499.5 | 1586.7 | 1608.6 | 1580.5 | 1531.6 | 1467.4 | 35° |
| 37.5° | 1411.7 | 1464.0 | 1511.9 | 1568.1 | 1609.8 | 1670.5 | 1709.4 | 1752.7 | 1729.1 | 1683.5 | 1609.8 | 37.5° |
| 40° | 1582.2 | 1653.1 | 1718.4 | 1787.6 | 1834.8 | 1882.1 | 1955.2 | 2002.5 | 1998.0 | 1941.2 | 1841.6 | 40° |
| 42.5° | 1738.6 | 1851.2 | 1959.2 | 2010.9 | 2074.0 | 2159.5 | 2213.5 | 2288.9 | 2294.0 | 2228.1 | 2101.5 | 42.5° |
| 45° | 1902.4 | 2033.5 | 2165.1 | 2267.0 | 2320.4 | 2426.2 | 2550.0 | 2632.1 | 2657.4 | 2532.0 | 2402.6 | 45° |
| 47.5° | 2030.6 | 2234.9 | 2411.6 | 2520.2 | 2619.7 | 2728.9 | 2888.1 | 3006.9 | 2996.7 | 2827.4 | 2656.3 | 47.5° |
| 50° | 2143.2 | 2403.1 | 2616.9 | 2795.9 | 2915.1 | 3041.2 | 3251.1 | 3392.8 | 3343.3 | 3127.8 | 2914.0 | 50° |
| 52.5° | 2245.0 | 2550.0 | 2814.4 | 3036.1 | 3175.1 | 3355.1 | 3620.2 | 3743.9 | 3603.3 | 3395.1 | 3130.6 | 52.5° |
| 55° | 2338.4 | 2682.8 | 2990.0 | 3256.7 | 3471.1 | 3703.4 | 3952.1 | 4037.1 | 3836.8 | 3579.6 | 3336.6 | 55° |
| 57.5° | 2424.5 | 2806.0 | 3151.5 | 3471.6 | 3759.1 | 4036.5 | 4253.2 | 4258.8 | 4007.3 | 3722.0 | 3490.2 | 57.5° |
| 60° | 2528.0 | 2919.1 | 3320.3 | 3694.4 | 4045.0 | 4333.0 | 4459.6 | 4419.7 | 4117.0 | 3828.3 | 3596.0 | 60° |
| 62.5° | 2628.2 | 3020.9 | 3458.1 | 3908.8 | 4331.4 | 4582.9 | 4608.2 | 4523.8 | 4192.4 | 3877.9 | 3675.3 | 62.5° |
| 65° | 2677.7 | 3098.6 | 3535.2 | 4045.0 | 4555.3 | 4732.0 | 4701.0 | 4568.8 | 4222.8 | 3885.2 | 3695.6 | 65° |
| 67.5° | 2605.1 | 3026.0 | 3461.5 | 3985.9 | 4554.2 | 4722.4 | 4642.5 | 4482.7 | 4149.1 | 3785.6 | 3601.6 | 67.5° |
| 70° | 2337.9 | 2745.8 | 3100.8 | 3594.3 | 4233.5 | 4399.4 | 4279.6 | 4121.5 | 3842.4 | 3486.8 | 3403.0 | 70° |
| 72.5° | 1967.1 | 2269.8 | 2566.9 | 2931.5 | 3369.8 | 3514.9 | 3356.8 | 3435.6 | 3363.6 | 3019.2 | 2942.7 | 72.5° |
| 75° | 1476.4 | 1759.4 | 1875.3 | 1987.3 | 2290.0 | 2376.7 | 2315.9 | 2586.0 | 2659.7 | 2516.2 | 2321.0 | 75° |
| 77.5° | 966.1 | 1263.2 | 1284.6 | 1286.8 | 1410.6 | 1576.6 | 1796.6 | 2077.3 | 2216.9 | 2152.2 | 1915.3 | 77.5° |
| 80° | 563.2 | 890.1 | 796.2 | 765.8 | 875.5 | 1060.6 | 1350.9 | 1702.6 | 1887.2 | 1900.7 | 1674.5 | 80° |
| 82.5° | 283.0 | 558.2 | 483.3 | 478.3 | 540.2 | 676.9 | 889.0 | 1085.4 | 1325.6 | 1336.9 | 1366.7 | 82.5° |
| 85° | 220.0 | 383.7 | 392.7 | 425.9 | 469.3 | 526.1 | 541.8 | 576.7 | 710.6 | 834.4 | 866.5 | 85° |
| 87.5° | 114.2 | 282.5 | 333.1 | 387.7 | 382.6 | 313.4 | 264.5 | 285.3 | 332.0 | 350.0 | 454.6 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



NUMBER: P141548

NUMBER: ECM-E02-LED-E1-SLR-8030

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 | 573.9 |
| 573.4 | 574.5 | 573.9 | 574.5 | 575.0 | 575.0 | 574.5 |
| 572.8 | 572.2 | 570.0 | 568.8 | 568.8 | 567.7 | 567.2 |
| 569.4 | 565.5 | 559.8 | 556.5 | 554.2 | 552.5 | 549.7 |
| 570.0 | 563.2 | 555.9 | 550.8 | 545.8 | 542.4 | 539.0 |
| 577.3 | 568.8 | 562.1 | 554.2 | 550.3 | 545.8 | 541.8 |
| 602.6 | 591.4 | 583.5 | 576.2 | 571.7 | 568.3 | 564.9 |
| 643.1 | 629.6 | 616.7 | 609.9 | 602.0 | 596.4 | 595.9 |
| 697.7 | 678.0 | 661.1 | 645.9 | 638.6 | 629.6 | 627.9 |
| 759.6 | 730.9 | 712.9 | 696.0 | 685.9 | 675.2 | 675.8 |
| 838.4 | 809.7 | 780.4 | 763.0 | 748.3 | 750.0 | 748.3 |
| 932.9 | 910.4 | 876.6 | 855.2 | 850.7 | 833.3 | 820.4 |
| 1080.3 | 1046.5 | 1005.5 | 967.2 | 943.0 | 914.3 | 887.3 |
| 1224.9 | 1162.5 | 1107.9 | 1070.7 | 1039.8 | 997.6 | 955.4 |
| 1367.8 | 1295.8 | 1245.2 | 1213.7 | 1165.8 | 1106.8 | 1040.9 |
| 1537.8 | 1490.5 | 1454.5 | 1377.4 | 1309.3 | 1218.7 | 1119.1 |
| 1783.1 | 1723.4 | 1637.3 | 1539.4 | 1441.0 | 1312.7 | 1176.5 |
| 2027.3 | 1955.2 | 1834.8 | 1690.8 | 1549.6 | 1394.8 | 1221.5 |
| 2292.3 | 2153.3 | 1996.3 | 1821.9 | 1648.0 | 1456.2 | 1252.5 |
| 2501.0 | 2327.7 | 2131.9 | 1922.6 | 1726.2 | 1506.8 | 1279.5 |
| 2714.3 | 2505.0 | 2259.1 | 2023.3 | 1797.1 | 1547.9 | 1306.5 |
| 2881.9 | 2648.4 | 2389.1 | 2115.0 | 1863.0 | 1594.0 | 1343.6 |
| 3049.6 | 2791.4 | 2505.5 | 2206.8 | 1944.6 | 1658.2 | 1399.3 |
| 3189.2 | 2920.8 | 2618.1 | 2306.9 | 2039.1 | 1743.7 | 1490.5 |
| 3373.2 | 3102.5 | 2750.3 | 2425.6 | 2146.0 | 1860.2 | 1605.8 |
| 3548.1 | 3315.8 | 2934.3 | 2565.2 | 2276.5 | 1991.8 | 1736.9 |
| 3663.5 | 3556.6 | 3122.8 | 2705.3 | 2399.2 | 2115.0 | 1852.3 |
| 3665.7 | 3709.6 | 3321.4 | 2818.9 | 2514.0 | 2249.0 | 1946.8 |
| 3577.4 | 3731.0 | 3363.6 | 2829.1 | 2568.5 | 2308.6 | 1996.3 |
| 3271.9 | 3467.7 | 3111.0 | 2629.3 | 2467.3 | 2261.9 | 1941.7 |
| 2530.8 | 2672.6 | 2488.1 | 2228.7 | 2234.3 | 2114.5 | 1727.9 |
| 1752.1 | 1886.0 | 1730.7 | 1675.6 | 1798.8 | 1731.9 | 1290.2 |
| 1327.3 | 1154.6 | 1093.8 | 1123.1 | 1276.7 | 1269.4 | 811.4 |
| 1182.1 | 873.8 | 724.7 | 760.7 | 901.4 | 823.2 | 451.8 |
| 969.5 | 871.6 | 728.6 | 658.9 | 687.0 | 562.1 | 308.9 |
| 558.2 | 637.5 | 519.3 | 489.5 | 425.9 | 253.2 | 125.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)