

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: P141551

Luminaire Tested: **ECM-E02-LED-E1-SLR-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141551
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-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5367.6 lumens
Efficiency: N/A
Efficacy: 103.0 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

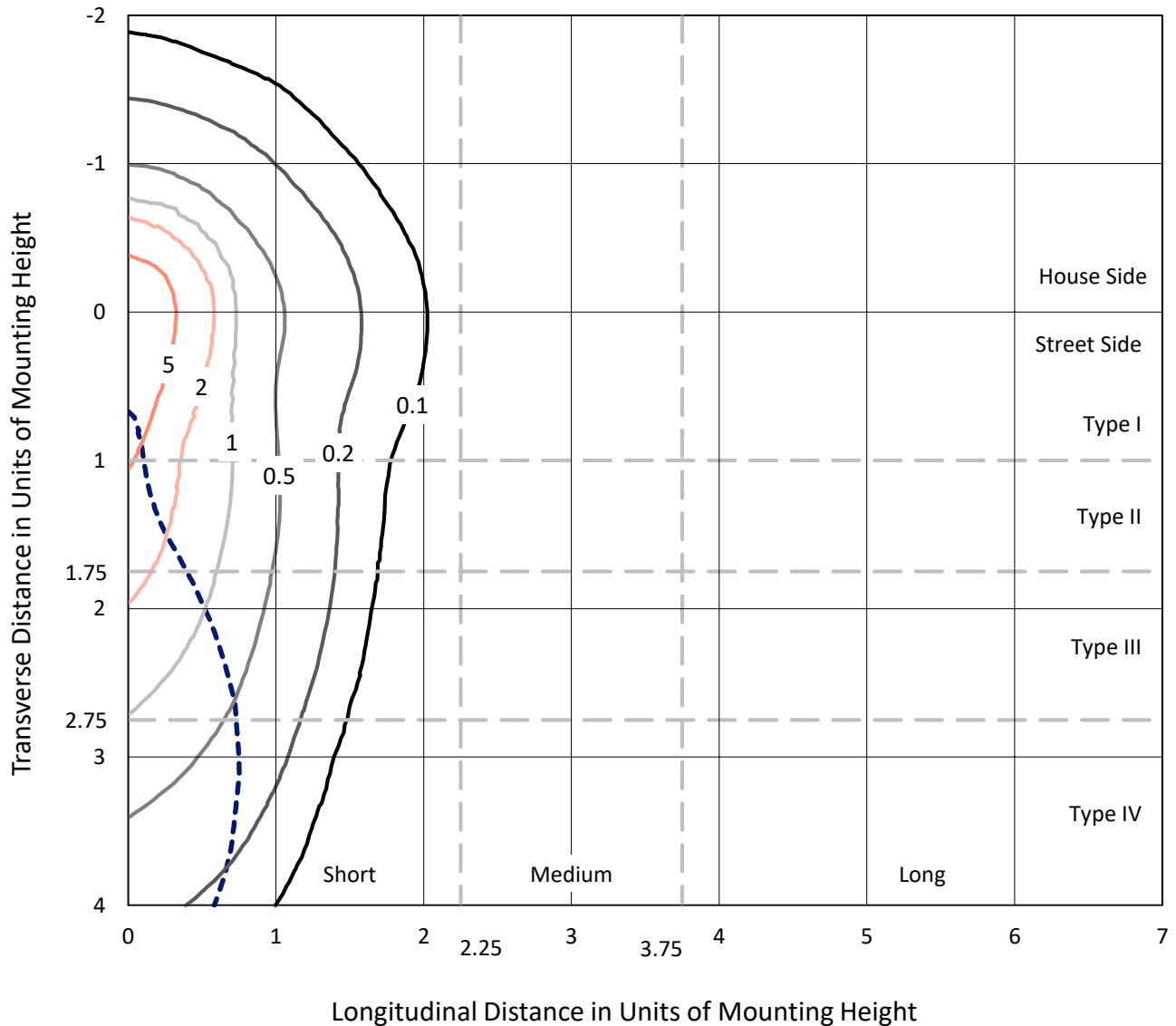
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141551
 CATALOG NUMBER: ECM-E02-LED-E1-SLR-7050

Iso-Footcandle Lines of Horizontal Illumination

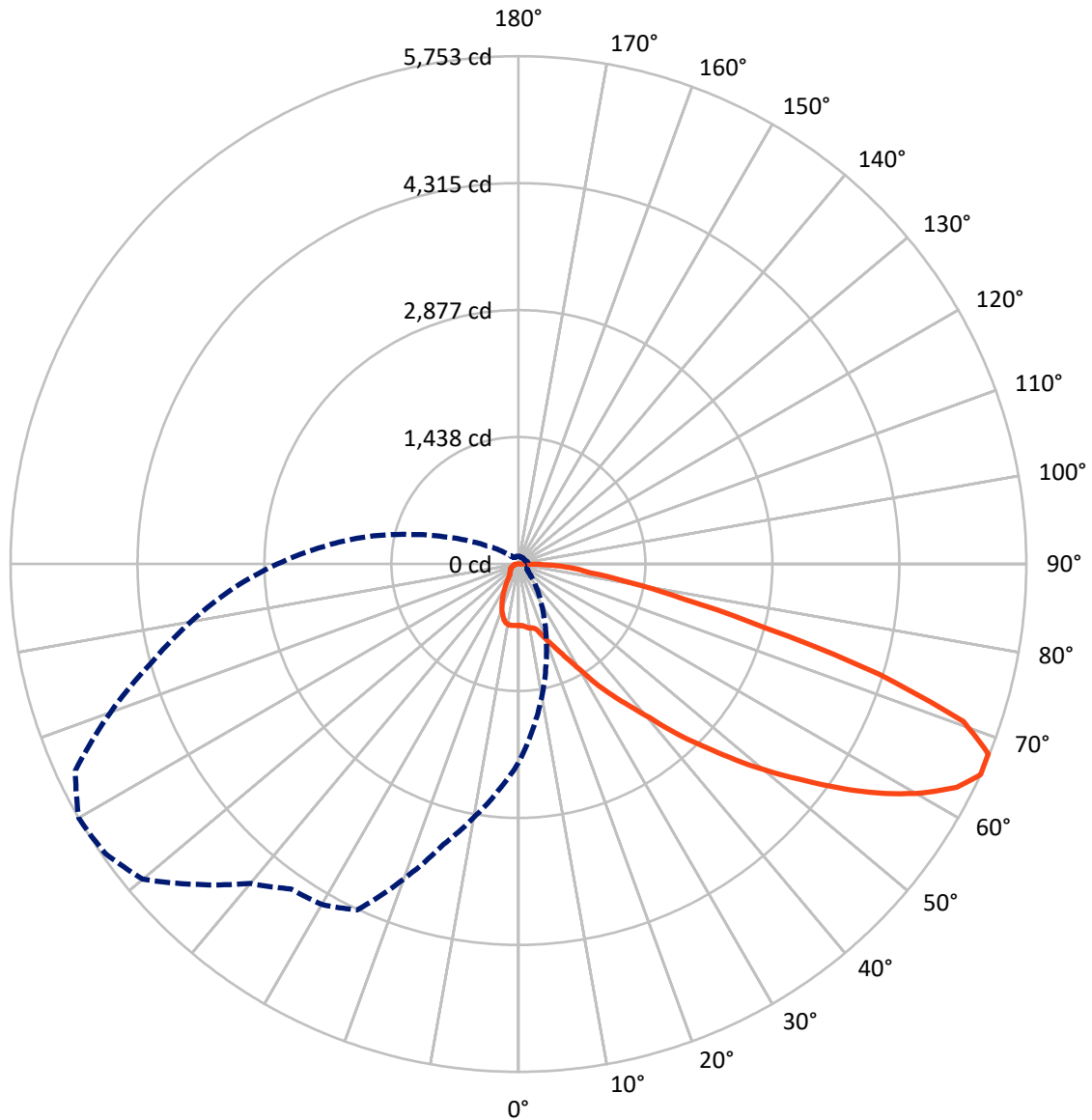
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - Non-Cutoff

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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 | 995.6 | 0.0 | 995.6 |
| | % Fixture | 18.5 | 0.0 | 18.5 |
| Street Side | Lumens | 4372.0 | 0.0 | 4372.0 |
| | % Fixture | 81.5 | 0.0 | 81.5 |
| Total | Lumens | 5367.6 | 0.0 | 5367.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.5 | 1.3 |
| 10°-20° | 202.7 | 3.8 |
| 20°-30° | 336.8 | 6.3 |
| 30°-40° | 492.4 | 9.2 |
| 40°-50° | 749.1 | 14.0 |
| 50°-60° | 1076.7 | 20.1 |
| 60°-70° | 1323.8 | 24.7 |
| 70°-80° | 885.6 | 16.5 |
| 80°-90° | 233.0 | 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° | 5367.6 | 100.0 |
| 0°-180° | 5367.6 | 100.0 |



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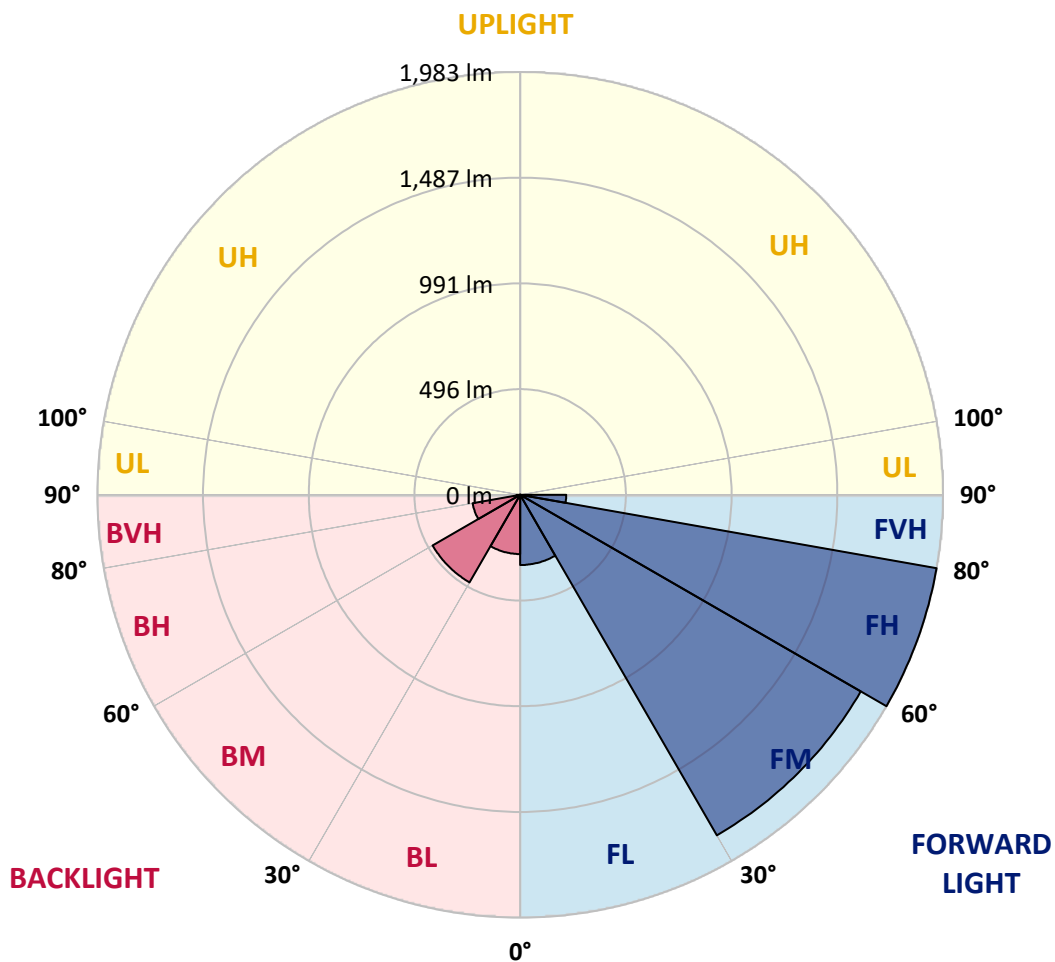
CATALOG NUMBER: ECM-E02-LED-E1-SLR-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 329.3 | 6.1 | | | |
| FM | (30°-60°) | 1844.0 | 34.4 | | | |
| FH | (60°-80°) | 1982.8 | 36.9 | | | G2/5000 |
| FVH | (80°-90°) | 216.0 | 4.0 | | | G2/225 |
| BL | (0°-30°) | 277.9 | 5.2 | B1/500 | | |
| BM | (30°-60°) | 474.2 | 8.8 | B1/1000 | | |
| BH | (60°-80°) | 226.6 | 4.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 16.9 | 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-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 |
| 2.5° | 698.4 | 700.5 | 700.5 | 699.1 | 698.4 | 699.1 | 699.8 | 699.1 | 699.8 | 701.2 | 700.5 |
| 5° | 689.5 | 690.9 | 691.6 | 691.6 | 691.6 | 693.0 | 695.0 | 694.3 | 696.4 | 697.8 | 697.8 |
| 7.5° | 668.3 | 671.1 | 671.1 | 671.8 | 673.1 | 675.2 | 678.6 | 680.0 | 683.4 | 688.2 | 689.5 |
| 10° | 655.3 | 656.0 | 654.0 | 653.3 | 654.7 | 658.8 | 660.8 | 664.2 | 669.7 | 675.2 | 680.6 |
| 12.5° | 658.8 | 659.4 | 656.0 | 656.7 | 656.7 | 658.8 | 664.9 | 667.7 | 669.7 | 673.1 | 678.6 |
| 15° | 686.8 | 686.8 | 682.7 | 684.1 | 684.8 | 687.5 | 687.5 | 682.7 | 681.3 | 677.9 | 675.2 |
| 17.5° | 724.4 | 719.0 | 718.3 | 717.6 | 720.3 | 717.6 | 711.4 | 700.5 | 687.5 | 673.8 | 662.9 |
| 20° | 763.4 | 764.1 | 760.0 | 759.3 | 751.8 | 742.2 | 724.4 | 702.5 | 679.3 | 658.1 | 636.2 |
| 22.5° | 821.6 | 822.9 | 815.4 | 800.4 | 783.9 | 758.6 | 726.5 | 693.0 | 659.4 | 630.0 | 604.7 |
| 25° | 909.8 | 895.4 | 878.3 | 846.9 | 805.2 | 760.7 | 716.2 | 674.5 | 630.7 | 591.7 | 559.6 |
| 27.5° | 997.4 | 968.6 | 922.8 | 871.5 | 812.7 | 755.2 | 702.5 | 646.4 | 594.5 | 547.3 | 510.3 |
| 30° | 1078.8 | 1025.4 | 959.8 | 886.6 | 811.3 | 737.4 | 670.4 | 606.8 | 545.2 | 494.6 | 450.8 |
| 32.5° | 1161.6 | 1083.6 | 992.6 | 890.0 | 790.8 | 702.5 | 625.2 | 552.0 | 491.2 | 429.6 | 382.4 |
| 35° | 1265.5 | 1147.9 | 1012.4 | 877.0 | 755.2 | 647.8 | 565.0 | 495.3 | 429.6 | 367.3 | 318.1 |
| 37.5° | 1360.6 | 1199.2 | 1022.7 | 855.1 | 708.7 | 591.0 | 500.1 | 428.9 | 367.3 | 314.7 | 272.3 |
| 40° | 1430.4 | 1232.7 | 1021.3 | 827.0 | 661.5 | 532.9 | 443.3 | 379.0 | 323.6 | 281.8 | 249.0 |
| 42.5° | 1485.1 | 1251.8 | 1014.5 | 800.4 | 620.5 | 490.5 | 406.3 | 347.5 | 303.7 | 270.2 | 244.9 |
| 45° | 1522.7 | 1265.5 | 1010.4 | 779.2 | 593.1 | 470.0 | 394.0 | 344.8 | 307.8 | 277.7 | 249.0 |
| 47.5° | 1555.6 | 1281.3 | 1009.0 | 769.6 | 586.9 | 476.1 | 410.4 | 366.0 | 325.6 | 286.6 | 248.3 |
| 50° | 1588.4 | 1297.0 | 1021.3 | 785.3 | 610.2 | 510.3 | 448.8 | 392.0 | 336.6 | 283.9 | 236.7 |
| 52.5° | 1633.6 | 1342.8 | 1067.1 | 830.5 | 660.8 | 558.2 | 485.0 | 413.2 | 338.6 | 277.0 | 225.7 |
| 55° | 1701.3 | 1414.0 | 1132.8 | 890.0 | 715.5 | 610.2 | 514.4 | 421.4 | 336.6 | 269.5 | 215.5 |
| 57.5° | 1812.1 | 1518.6 | 1222.4 | 972.7 | 786.7 | 650.6 | 530.8 | 424.8 | 331.8 | 261.3 | 207.3 |
| 60° | 1952.3 | 1638.3 | 1335.3 | 1059.6 | 847.6 | 678.6 | 537.7 | 423.4 | 324.9 | 251.7 | 195.6 |
| 62.5° | 2111.7 | 1769.7 | 1437.2 | 1139.0 | 891.3 | 691.6 | 534.9 | 412.5 | 309.2 | 231.9 | 179.2 |
| 65° | 2252.0 | 1874.4 | 1522.7 | 1202.6 | 918.7 | 691.6 | 517.8 | 387.2 | 281.2 | 203.9 | 158.0 |
| 67.5° | 2366.9 | 1962.6 | 1588.4 | 1239.5 | 921.4 | 667.7 | 476.8 | 341.4 | 236.7 | 169.0 | 133.4 |
| 70° | 2427.1 | 1990.6 | 1608.9 | 1235.4 | 875.6 | 598.6 | 401.5 | 265.4 | 173.8 | 131.3 | 107.4 |
| 72.5° | 2360.7 | 1924.3 | 1521.4 | 1116.4 | 730.6 | 446.7 | 281.2 | 180.6 | 124.5 | 101.9 | 88.9 |
| 75° | 2100.8 | 1632.9 | 1266.2 | 863.3 | 523.3 | 278.4 | 174.4 | 126.6 | 98.5 | 84.8 | 78.0 |
| 77.5° | 1568.6 | 1217.0 | 871.5 | 546.6 | 299.6 | 169.0 | 122.4 | 96.5 | 82.8 | 74.6 | 68.4 |
| 80° | 986.4 | 749.7 | 524.0 | 301.0 | 171.0 | 124.5 | 101.9 | 86.2 | 75.2 | 65.0 | 58.8 |
| 82.5° | 549.3 | 399.5 | 266.8 | 171.7 | 119.0 | 100.6 | 88.2 | 79.4 | 67.0 | 56.8 | 50.6 |
| 85° | 375.6 | 246.9 | 168.3 | 112.9 | 82.1 | 73.2 | 65.7 | 60.2 | 51.3 | 43.1 | 39.7 |
| 87.5° | 152.5 | 142.3 | 103.3 | 45.1 | 33.5 | 30.1 | 26.7 | 32.8 | 27.4 | 21.2 | 19.8 |
| 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-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 |
| 2.5° | 701.9 | 700.5 | 701.2 | 700.5 | 699.8 | 699.1 | 698.4 | 699.1 | 697.8 | 698.4 | 698.4 |
| 5° | 699.8 | 698.4 | 700.5 | 699.8 | 698.4 | 698.4 | 697.8 | 697.8 | 697.8 | 697.8 | 698.4 |
| 7.5° | 693.6 | 693.6 | 695.7 | 695.7 | 694.3 | 694.3 | 693.0 | 692.3 | 692.3 | 693.0 | 694.3 |
| 10° | 685.4 | 687.5 | 690.9 | 689.5 | 686.8 | 685.4 | 683.4 | 682.0 | 681.3 | 682.7 | 684.1 |
| 12.5° | 679.3 | 680.6 | 678.6 | 676.5 | 672.4 | 667.7 | 667.0 | 663.5 | 661.5 | 664.9 | 664.9 |
| 15° | 669.0 | 663.5 | 656.0 | 649.2 | 639.6 | 634.8 | 629.3 | 628.0 | 623.2 | 623.9 | 627.3 |
| 17.5° | 647.1 | 632.8 | 621.1 | 614.3 | 606.1 | 602.7 | 596.5 | 593.1 | 589.7 | 586.2 | 588.3 |
| 20° | 616.3 | 600.6 | 585.6 | 576.7 | 563.7 | 560.9 | 550.7 | 550.7 | 546.6 | 547.3 | 551.4 |
| 22.5° | 577.4 | 553.4 | 534.3 | 523.3 | 509.6 | 504.2 | 499.4 | 496.0 | 493.9 | 498.0 | 493.2 |
| 25° | 526.1 | 497.3 | 479.5 | 463.8 | 448.8 | 443.3 | 437.1 | 435.1 | 435.8 | 433.0 | 437.8 |
| 27.5° | 473.4 | 437.8 | 418.7 | 400.9 | 389.9 | 380.3 | 375.6 | 374.2 | 371.5 | 379.0 | 374.9 |
| 30° | 407.0 | 374.9 | 352.3 | 333.8 | 320.8 | 316.0 | 311.3 | 309.9 | 314.0 | 308.5 | 305.8 |
| 32.5° | 340.0 | 305.1 | 285.9 | 270.2 | 260.6 | 251.1 | 249.7 | 246.9 | 242.2 | 248.3 | 246.9 |
| 35° | 279.1 | 249.7 | 229.8 | 220.3 | 207.3 | 203.2 | 195.0 | 192.9 | 193.6 | 195.0 | 194.3 |
| 37.5° | 242.2 | 221.6 | 203.9 | 190.9 | 181.3 | 175.8 | 173.1 | 170.3 | 170.3 | 169.0 | 168.3 |
| 40° | 225.1 | 208.0 | 191.5 | 179.2 | 171.7 | 167.6 | 164.9 | 162.1 | 160.1 | 158.0 | 156.0 |
| 42.5° | 222.3 | 201.8 | 183.3 | 171.0 | 164.2 | 162.8 | 162.1 | 160.1 | 157.3 | 153.9 | 151.2 |
| 45° | 220.3 | 194.3 | 175.1 | 164.2 | 159.4 | 158.7 | 158.7 | 156.7 | 154.6 | 151.2 | 147.1 |
| 47.5° | 213.4 | 184.7 | 166.2 | 158.0 | 156.0 | 156.7 | 156.0 | 153.9 | 152.5 | 149.1 | 144.3 |
| 50° | 198.4 | 170.3 | 152.5 | 146.4 | 145.7 | 145.0 | 145.0 | 144.3 | 143.0 | 140.2 | 135.4 |
| 52.5° | 185.4 | 157.3 | 143.0 | 138.9 | 137.5 | 137.5 | 136.1 | 135.4 | 132.7 | 130.7 | 127.2 |
| 55° | 177.2 | 150.5 | 138.2 | 135.4 | 135.4 | 134.8 | 133.4 | 131.3 | 129.3 | 126.6 | 122.4 |
| 57.5° | 169.6 | 145.0 | 134.8 | 132.7 | 133.4 | 132.7 | 131.3 | 130.0 | 127.2 | 123.8 | 119.0 |
| 60° | 158.7 | 136.8 | 127.9 | 127.2 | 128.6 | 130.0 | 129.3 | 128.6 | 126.6 | 121.8 | 114.9 |
| 62.5° | 143.0 | 123.1 | 116.3 | 117.7 | 119.0 | 120.4 | 119.7 | 119.0 | 117.0 | 112.9 | 106.7 |
| 65° | 127.2 | 112.9 | 108.8 | 110.1 | 111.5 | 111.5 | 111.5 | 110.1 | 108.8 | 104.0 | 99.2 |
| 67.5° | 112.2 | 103.3 | 101.9 | 103.3 | 104.0 | 104.0 | 104.7 | 103.3 | 101.2 | 97.8 | 93.0 |
| 70° | 95.8 | 91.7 | 91.7 | 93.0 | 93.7 | 93.0 | 93.7 | 91.7 | 89.6 | 87.6 | 82.8 |
| 72.5° | 85.5 | 85.5 | 84.8 | 84.8 | 84.8 | 83.5 | 82.8 | 81.4 | 79.4 | 77.3 | 73.2 |
| 75° | 75.9 | 75.9 | 75.2 | 76.6 | 73.9 | 71.8 | 71.1 | 69.8 | 67.7 | 65.0 | 62.3 |
| 77.5° | 65.0 | 63.6 | 63.6 | 65.7 | 65.0 | 62.3 | 60.2 | 59.5 | 56.8 | 54.0 | 52.7 |
| 80° | 56.1 | 54.7 | 54.7 | 54.0 | 52.7 | 52.0 | 49.3 | 46.5 | 45.8 | 45.8 | 43.8 |
| 82.5° | 49.3 | 48.6 | 46.5 | 45.1 | 43.1 | 41.0 | 39.0 | 37.6 | 35.6 | 34.9 | 35.6 |
| 85° | 39.0 | 39.7 | 37.6 | 36.3 | 34.2 | 31.5 | 29.4 | 28.0 | 26.7 | 26.7 | 29.4 |
| 87.5° | 22.6 | 21.2 | 21.2 | 20.5 | 19.8 | 17.8 | 17.8 | 15.7 | 15.0 | 19.2 | 19.8 |
| 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: P141551

CATALOG NUMBER: ECM-E02-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 |
| 2.5° | 699.1 | 699.1 | 697.1 | 698.4 | 697.8 | 698.4 | 701.2 | 698.4 | 697.8 | 699.8 | 701.9 |
| 5° | 699.1 | 700.5 | 698.4 | 699.8 | 699.8 | 701.9 | 705.3 | 703.2 | 704.6 | 707.3 | 710.1 |
| 7.5° | 696.4 | 698.4 | 698.4 | 701.2 | 703.2 | 706.6 | 711.4 | 710.1 | 712.8 | 716.9 | 720.3 |
| 10° | 688.9 | 692.3 | 695.7 | 699.8 | 704.6 | 710.1 | 716.9 | 716.9 | 719.6 | 725.1 | 728.5 |
| 12.5° | 670.4 | 679.3 | 683.4 | 693.0 | 700.5 | 708.7 | 716.2 | 721.0 | 723.1 | 727.9 | 732.0 |
| 15° | 633.4 | 644.4 | 652.6 | 664.2 | 676.5 | 688.2 | 701.2 | 706.0 | 710.1 | 712.1 | 714.2 |
| 17.5° | 591.0 | 598.6 | 604.0 | 619.1 | 632.8 | 643.7 | 656.0 | 662.2 | 667.0 | 667.0 | 668.3 |
| 20° | 556.1 | 559.6 | 560.9 | 560.9 | 569.1 | 579.4 | 595.1 | 593.1 | 597.2 | 593.1 | 597.2 |
| 22.5° | 502.1 | 496.6 | 499.4 | 499.4 | 504.8 | 502.8 | 508.9 | 519.2 | 517.8 | 520.6 | 532.2 |
| 25° | 436.4 | 437.1 | 432.3 | 432.3 | 433.0 | 434.4 | 437.1 | 439.9 | 449.4 | 459.7 | 467.2 |
| 27.5° | 374.2 | 372.8 | 369.4 | 366.7 | 363.9 | 368.7 | 372.1 | 371.5 | 385.1 | 393.3 | 407.0 |
| 30° | 305.8 | 305.8 | 306.5 | 305.1 | 307.8 | 304.4 | 309.9 | 311.3 | 322.9 | 331.8 | 344.1 |
| 32.5° | 249.0 | 250.4 | 250.4 | 249.7 | 254.5 | 251.1 | 253.8 | 257.2 | 264.7 | 272.3 | 278.4 |
| 35° | 197.7 | 199.7 | 205.2 | 207.3 | 209.3 | 206.6 | 210.0 | 214.1 | 214.8 | 221.6 | 226.4 |
| 37.5° | 167.6 | 171.0 | 171.7 | 173.1 | 173.1 | 175.1 | 175.8 | 178.5 | 178.5 | 180.6 | 182.0 |
| 40° | 154.6 | 153.2 | 152.5 | 151.9 | 150.5 | 151.2 | 151.9 | 153.9 | 154.6 | 156.0 | 156.0 |
| 42.5° | 148.4 | 146.4 | 143.0 | 140.9 | 138.2 | 138.2 | 138.2 | 138.2 | 140.2 | 141.6 | 141.6 |
| 45° | 143.0 | 139.6 | 136.1 | 132.7 | 130.7 | 129.3 | 130.0 | 130.7 | 132.0 | 132.7 | 133.4 |
| 47.5° | 139.6 | 134.8 | 129.3 | 125.9 | 123.8 | 122.4 | 123.1 | 123.8 | 123.8 | 124.5 | 125.2 |
| 50° | 130.0 | 125.2 | 120.4 | 117.0 | 114.9 | 114.2 | 114.2 | 113.6 | 114.2 | 114.9 | 114.9 |
| 52.5° | 122.4 | 117.7 | 113.6 | 110.1 | 108.1 | 108.1 | 107.4 | 106.0 | 106.7 | 106.0 | 106.7 |
| 55° | 118.3 | 112.2 | 107.4 | 104.0 | 101.9 | 101.9 | 100.6 | 101.2 | 101.2 | 99.9 | 100.6 |
| 57.5° | 113.6 | 107.4 | 103.3 | 99.2 | 96.5 | 96.5 | 95.8 | 96.5 | 97.1 | 95.1 | 95.1 |
| 60° | 108.8 | 103.3 | 98.5 | 95.1 | 91.7 | 92.3 | 91.7 | 93.0 | 93.0 | 91.0 | 91.0 |
| 62.5° | 99.9 | 95.1 | 92.3 | 90.3 | 87.6 | 88.2 | 88.2 | 90.3 | 88.2 | 86.9 | 86.2 |
| 65° | 93.0 | 89.6 | 85.5 | 85.5 | 82.8 | 84.1 | 84.1 | 84.1 | 82.1 | 81.4 | 82.1 |
| 67.5° | 88.2 | 84.1 | 81.4 | 78.7 | 76.6 | 77.3 | 75.9 | 75.9 | 75.2 | 74.6 | 75.9 |
| 70° | 79.4 | 75.9 | 74.6 | 71.8 | 70.5 | 68.4 | 67.7 | 67.7 | 67.7 | 67.0 | 67.7 |
| 72.5° | 70.5 | 67.7 | 66.4 | 63.6 | 62.3 | 60.9 | 60.2 | 59.5 | 58.8 | 59.5 | 59.5 |
| 75° | 59.5 | 58.1 | 56.8 | 55.4 | 54.0 | 53.4 | 52.7 | 52.7 | 52.0 | 51.3 | 52.0 |
| 77.5° | 51.3 | 49.3 | 48.6 | 47.2 | 47.9 | 45.8 | 45.1 | 45.8 | 45.8 | 45.8 | 46.5 |
| 80° | 43.8 | 42.4 | 42.4 | 41.0 | 40.4 | 39.0 | 39.7 | 39.7 | 39.7 | 39.7 | 40.4 |
| 82.5° | 38.3 | 36.9 | 36.9 | 36.3 | 34.2 | 32.8 | 33.5 | 34.9 | 34.9 | 34.2 | 35.6 |
| 85° | 31.5 | 30.1 | 30.1 | 29.4 | 26.7 | 26.0 | 25.3 | 26.7 | 27.4 | 26.0 | 27.4 |
| 87.5° | 20.5 | 19.2 | 18.5 | 18.5 | 15.7 | 10.9 | 14.4 | 15.7 | 15.7 | 13.0 | 15.0 |
| 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: P141551

CATALOG NUMBER: ECM-E02-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 |
| 2.5° | 701.2 | 702.5 | 702.5 | 703.9 | 706.6 | 703.9 | 702.5 | 704.6 | 704.6 | 703.9 | 703.9 |
| 5° | 710.1 | 712.8 | 713.5 | 717.6 | 719.6 | 718.3 | 719.6 | 721.0 | 721.7 | 720.3 | 721.7 |
| 7.5° | 721.7 | 725.1 | 728.5 | 733.3 | 737.4 | 736.7 | 738.8 | 741.5 | 742.2 | 742.2 | 743.6 |
| 10° | 731.3 | 736.1 | 739.5 | 745.6 | 750.4 | 751.8 | 753.8 | 757.3 | 760.7 | 760.7 | 763.4 |
| 12.5° | 733.3 | 738.8 | 742.2 | 747.7 | 755.9 | 758.6 | 763.4 | 771.6 | 775.1 | 777.8 | 779.8 |
| 15° | 715.5 | 720.3 | 725.1 | 732.6 | 742.2 | 750.4 | 761.4 | 773.0 | 783.3 | 790.8 | 793.5 |
| 17.5° | 669.0 | 669.7 | 674.5 | 685.4 | 705.3 | 714.2 | 727.9 | 751.8 | 766.2 | 779.8 | 792.8 |
| 20° | 600.6 | 613.6 | 618.4 | 632.8 | 651.9 | 665.6 | 681.3 | 703.2 | 725.1 | 749.7 | 771.6 |
| 22.5° | 540.4 | 557.5 | 571.2 | 588.3 | 604.0 | 619.8 | 639.6 | 658.8 | 682.7 | 706.6 | 732.6 |
| 25° | 478.8 | 494.6 | 513.7 | 532.2 | 550.7 | 570.5 | 595.1 | 615.7 | 639.6 | 667.7 | 700.5 |
| 27.5° | 419.3 | 435.8 | 457.0 | 478.8 | 493.9 | 520.6 | 541.1 | 571.2 | 598.6 | 629.3 | 666.3 |
| 30° | 357.1 | 372.8 | 383.1 | 407.0 | 428.2 | 454.9 | 486.4 | 515.8 | 548.6 | 582.8 | 625.9 |
| 32.5° | 289.4 | 298.9 | 313.3 | 329.7 | 354.3 | 382.4 | 415.2 | 446.7 | 491.8 | 534.3 | 575.3 |
| 35° | 231.9 | 236.7 | 236.0 | 254.5 | 265.4 | 298.9 | 340.0 | 370.1 | 415.2 | 467.2 | 521.3 |
| 37.5° | 182.6 | 182.0 | 186.1 | 188.8 | 202.5 | 224.4 | 256.5 | 295.5 | 347.5 | 403.6 | 457.6 |
| 40° | 156.0 | 156.7 | 157.3 | 157.3 | 160.1 | 174.4 | 203.2 | 243.5 | 293.5 | 343.4 | 402.9 |
| 42.5° | 143.7 | 145.0 | 145.7 | 147.1 | 148.4 | 153.2 | 173.8 | 211.4 | 253.8 | 307.1 | 360.5 |
| 45° | 134.8 | 136.8 | 138.9 | 138.9 | 140.2 | 141.6 | 153.2 | 182.0 | 224.4 | 275.0 | 331.1 |
| 47.5° | 127.2 | 129.3 | 130.7 | 131.3 | 132.7 | 134.1 | 140.2 | 160.1 | 201.1 | 246.9 | 305.1 |
| 50° | 116.3 | 118.3 | 119.7 | 121.8 | 121.8 | 121.8 | 125.9 | 140.2 | 171.7 | 216.9 | 273.6 |
| 52.5° | 107.4 | 108.8 | 110.8 | 112.2 | 112.9 | 113.6 | 115.6 | 123.8 | 147.8 | 190.2 | 243.5 |
| 55° | 102.6 | 104.0 | 106.0 | 107.4 | 108.8 | 109.5 | 110.8 | 114.2 | 131.3 | 167.6 | 217.5 |
| 57.5° | 96.5 | 98.5 | 101.2 | 102.6 | 104.0 | 104.7 | 105.3 | 106.7 | 118.3 | 145.7 | 186.8 |
| 60° | 92.3 | 95.8 | 99.2 | 101.2 | 101.9 | 102.6 | 103.3 | 101.9 | 106.7 | 123.8 | 156.0 |
| 62.5° | 87.6 | 91.0 | 93.7 | 96.5 | 97.1 | 97.8 | 98.5 | 96.5 | 95.8 | 104.0 | 121.8 |
| 65° | 83.5 | 85.5 | 87.6 | 89.6 | 89.6 | 90.3 | 89.6 | 86.9 | 84.8 | 84.8 | 93.0 |
| 67.5° | 78.0 | 79.4 | 81.4 | 82.1 | 82.1 | 82.1 | 81.4 | 80.7 | 77.3 | 75.9 | 77.3 |
| 70° | 69.8 | 71.8 | 73.9 | 75.2 | 75.2 | 74.6 | 73.9 | 71.8 | 70.5 | 69.1 | 70.5 |
| 72.5° | 62.3 | 65.0 | 65.7 | 66.4 | 65.7 | 65.7 | 65.7 | 64.3 | 65.0 | 65.0 | 65.7 |
| 75° | 54.7 | 56.1 | 56.1 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 58.8 | 58.1 | 58.8 |
| 77.5° | 46.5 | 47.2 | 48.6 | 48.6 | 48.6 | 49.3 | 50.6 | 50.6 | 52.0 | 52.7 | 52.7 |
| 80° | 40.4 | 39.0 | 39.0 | 38.3 | 39.0 | 40.4 | 41.7 | 44.5 | 44.5 | 45.1 | 45.8 |
| 82.5° | 32.2 | 29.4 | 28.0 | 29.4 | 29.4 | 30.1 | 32.8 | 35.6 | 35.6 | 37.6 | 38.3 |
| 85° | 24.6 | 21.2 | 18.5 | 19.8 | 19.8 | 21.2 | 23.9 | 25.3 | 27.4 | 28.0 | 27.4 |
| 87.5° | 14.4 | 12.3 | 8.2 | 6.8 | 8.2 | 10.3 | 10.9 | 12.3 | 10.3 | 11.6 | 12.3 |
| 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: P141551

CATALOG NUMBER: ECM-E02-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 |
| 2.5° | 705.3 | 705.3 | 701.9 | 701.9 | 702.5 | 703.9 | 700.5 | 699.8 | 700.5 | 699.8 | 699.1 |
| 5° | 723.7 | 721.7 | 721.0 | 719.6 | 719.0 | 720.3 | 716.9 | 716.9 | 716.2 | 714.9 | 712.8 |
| 7.5° | 744.3 | 742.9 | 741.5 | 740.2 | 738.8 | 739.5 | 736.1 | 735.4 | 734.7 | 734.0 | 732.0 |
| 10° | 763.4 | 761.4 | 760.0 | 756.6 | 753.8 | 751.1 | 744.3 | 742.2 | 740.2 | 738.8 | 738.1 |
| 12.5° | 779.2 | 777.1 | 772.3 | 766.2 | 762.1 | 755.2 | 749.7 | 745.0 | 742.9 | 740.8 | 741.5 |
| 15° | 794.2 | 790.1 | 783.9 | 776.4 | 772.3 | 765.5 | 761.4 | 759.3 | 757.9 | 756.6 | 757.9 |
| 17.5° | 799.0 | 800.4 | 796.9 | 794.9 | 792.2 | 789.4 | 790.1 | 792.2 | 796.3 | 796.3 | 796.3 |
| 20° | 790.1 | 805.2 | 814.7 | 822.3 | 828.4 | 832.5 | 833.2 | 835.2 | 840.0 | 842.1 | 852.4 |
| 22.5° | 768.9 | 807.9 | 840.0 | 866.0 | 882.5 | 887.9 | 894.1 | 900.9 | 901.6 | 903.7 | 913.2 |
| 25° | 749.1 | 805.8 | 853.7 | 894.8 | 933.1 | 959.8 | 974.8 | 988.5 | 991.9 | 994.6 | 994.6 |
| 27.5° | 714.2 | 777.1 | 838.7 | 893.4 | 946.1 | 990.5 | 1025.4 | 1061.0 | 1085.6 | 1094.5 | 1107.5 |
| 30° | 677.2 | 743.6 | 807.2 | 876.3 | 943.3 | 1005.6 | 1068.5 | 1126.0 | 1166.3 | 1196.4 | 1220.4 |
| 32.5° | 630.7 | 702.5 | 775.1 | 850.3 | 930.3 | 1008.3 | 1092.5 | 1175.9 | 1252.5 | 1312.7 | 1349.7 |
| 35° | 582.1 | 657.4 | 732.6 | 815.4 | 905.7 | 1000.1 | 1107.5 | 1218.3 | 1320.9 | 1418.8 | 1502.9 |
| 37.5° | 528.8 | 599.9 | 682.0 | 776.4 | 873.6 | 986.4 | 1111.6 | 1249.1 | 1391.4 | 1531.6 | 1640.4 |
| 40° | 467.9 | 537.0 | 616.3 | 715.5 | 833.2 | 960.4 | 1109.6 | 1273.1 | 1451.6 | 1626.0 | 1801.2 |
| 42.5° | 426.2 | 489.8 | 565.7 | 665.6 | 785.3 | 931.0 | 1101.4 | 1294.9 | 1506.3 | 1722.5 | 1942.8 |
| 45° | 394.7 | 457.0 | 531.5 | 627.3 | 749.1 | 902.3 | 1098.6 | 1319.6 | 1563.8 | 1811.4 | 2068.6 |
| 47.5° | 367.3 | 431.6 | 503.5 | 597.9 | 715.5 | 876.3 | 1092.5 | 1340.1 | 1611.7 | 1879.8 | 2178.1 |
| 50° | 340.7 | 406.3 | 480.2 | 575.3 | 690.9 | 848.2 | 1078.8 | 1358.6 | 1656.8 | 1951.0 | 2268.4 |
| 52.5° | 311.3 | 376.2 | 455.6 | 552.7 | 675.2 | 830.5 | 1064.4 | 1373.6 | 1700.6 | 2026.9 | 2362.1 |
| 55° | 279.8 | 345.5 | 423.4 | 526.1 | 654.0 | 816.8 | 1050.0 | 1383.2 | 1746.4 | 2095.3 | 2446.2 |
| 57.5° | 245.6 | 311.3 | 387.2 | 491.8 | 628.0 | 798.3 | 1034.3 | 1382.5 | 1780.0 | 2159.6 | 2537.2 |
| 60° | 203.9 | 263.4 | 338.6 | 444.0 | 582.8 | 772.3 | 1021.3 | 1377.0 | 1803.9 | 2216.4 | 2638.5 |
| 62.5° | 155.3 | 205.9 | 275.0 | 373.5 | 517.8 | 722.4 | 987.1 | 1353.8 | 1806.6 | 2257.4 | 2722.6 |
| 65° | 110.8 | 138.2 | 192.9 | 291.4 | 411.1 | 610.9 | 904.3 | 1292.2 | 1761.5 | 2228.0 | 2730.1 |
| 67.5° | 84.8 | 99.9 | 126.6 | 185.4 | 291.4 | 465.2 | 762.1 | 1154.0 | 1621.2 | 2071.4 | 2604.3 |
| 70° | 73.2 | 80.7 | 95.1 | 121.1 | 182.6 | 301.7 | 539.7 | 911.9 | 1335.3 | 1782.0 | 2236.9 |
| 72.5° | 67.7 | 72.5 | 81.4 | 94.4 | 116.3 | 177.9 | 332.5 | 612.9 | 981.0 | 1358.6 | 1756.7 |
| 75° | 62.3 | 67.0 | 73.9 | 82.1 | 93.0 | 119.0 | 181.3 | 360.5 | 605.4 | 897.5 | 1180.7 |
| 77.5° | 55.4 | 59.5 | 68.4 | 75.9 | 82.8 | 93.0 | 115.6 | 200.4 | 333.1 | 537.0 | 706.6 |
| 80° | 46.5 | 50.6 | 57.5 | 69.1 | 75.9 | 82.8 | 90.3 | 123.1 | 184.0 | 277.7 | 362.6 |
| 82.5° | 38.3 | 40.4 | 45.8 | 56.1 | 62.3 | 65.7 | 67.7 | 80.0 | 104.7 | 136.8 | 199.7 |
| 85° | 26.7 | 26.7 | 30.8 | 36.3 | 41.0 | 38.3 | 39.0 | 41.0 | 54.0 | 75.9 | 153.2 |
| 87.5° | 10.3 | 7.5 | 9.6 | 11.6 | 11.6 | 10.9 | 13.0 | 12.3 | 17.1 | 32.2 | 43.8 |
| 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: P141551
 CATALOG NUMBER: ECM-E02-LED-E1-SLR-7050

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 0° |
| 2.5° | 699.1 | 699.1 | 698.4 | 697.8 | 697.1 | 697.1 | 695.7 | 697.8 | 697.1 | 697.8 | 698.4 | 2.5° |
| 5° | 713.5 | 712.1 | 710.7 | 709.4 | 709.4 | 708.0 | 706.0 | 705.3 | 702.5 | 701.9 | 699.8 | 5° |
| 7.5° | 734.0 | 734.0 | 734.0 | 732.6 | 729.9 | 726.5 | 722.4 | 719.6 | 712.1 | 706.6 | 700.5 | 7.5° |
| 10° | 739.5 | 740.8 | 741.5 | 742.2 | 739.5 | 738.8 | 734.0 | 728.5 | 719.6 | 711.4 | 703.2 | 10° |
| 12.5° | 741.5 | 744.3 | 745.0 | 745.6 | 743.6 | 742.2 | 737.4 | 734.0 | 726.5 | 718.3 | 714.2 | 12.5° |
| 15° | 760.7 | 765.5 | 770.9 | 770.3 | 776.4 | 769.6 | 765.5 | 766.2 | 757.9 | 749.1 | 746.3 | 15° |
| 17.5° | 809.9 | 812.0 | 823.6 | 824.3 | 833.9 | 836.6 | 829.8 | 822.3 | 817.5 | 812.0 | 800.4 | 17.5° |
| 20° | 863.3 | 878.3 | 882.5 | 903.0 | 912.5 | 917.3 | 918.0 | 918.0 | 909.1 | 885.2 | 875.6 | 20° |
| 22.5° | 921.4 | 944.0 | 968.6 | 981.6 | 1001.5 | 1004.2 | 1014.5 | 1008.3 | 1001.5 | 983.0 | 961.1 | 22.5° |
| 25° | 1015.2 | 1028.2 | 1050.0 | 1082.9 | 1092.5 | 1112.3 | 1108.2 | 1117.1 | 1102.0 | 1069.9 | 1056.9 | 25° |
| 27.5° | 1119.8 | 1142.4 | 1173.2 | 1204.0 | 1217.6 | 1239.5 | 1225.9 | 1239.5 | 1214.9 | 1206.0 | 1174.5 | 27.5° |
| 30° | 1234.1 | 1264.8 | 1319.6 | 1357.9 | 1385.9 | 1401.0 | 1392.1 | 1384.6 | 1377.7 | 1361.3 | 1359.2 | 30° |
| 32.5° | 1374.3 | 1411.2 | 1463.2 | 1513.2 | 1562.4 | 1613.7 | 1626.0 | 1637.0 | 1662.3 | 1612.4 | 1563.8 | 32.5° |
| 35° | 1547.4 | 1575.4 | 1633.6 | 1691.0 | 1758.7 | 1823.0 | 1929.1 | 1955.8 | 1921.6 | 1862.0 | 1784.1 | 35° |
| 37.5° | 1716.3 | 1780.0 | 1838.1 | 1906.5 | 1957.1 | 2031.0 | 2078.2 | 2130.9 | 2102.1 | 2046.7 | 1957.1 | 37.5° |
| 40° | 1923.6 | 2009.8 | 2089.2 | 2173.3 | 2230.8 | 2288.2 | 2377.1 | 2434.6 | 2429.1 | 2360.0 | 2239.0 | 40° |
| 42.5° | 2113.8 | 2250.6 | 2381.9 | 2444.9 | 2521.5 | 2625.5 | 2691.1 | 2782.8 | 2789.0 | 2708.9 | 2555.0 | 42.5° |
| 45° | 2312.8 | 2472.2 | 2632.3 | 2756.1 | 2821.1 | 2949.7 | 3100.2 | 3200.1 | 3230.9 | 3078.3 | 2921.0 | 45° |
| 47.5° | 2468.8 | 2717.1 | 2931.9 | 3064.0 | 3185.0 | 3317.7 | 3511.3 | 3655.7 | 3643.4 | 3437.5 | 3229.5 | 47.5° |
| 50° | 2605.6 | 2921.7 | 3181.6 | 3399.1 | 3544.2 | 3697.4 | 3952.6 | 4124.9 | 4064.7 | 3802.7 | 3542.8 | 50° |
| 52.5° | 2729.4 | 3100.2 | 3421.7 | 3691.2 | 3860.2 | 4079.1 | 4401.3 | 4551.8 | 4380.8 | 4127.7 | 3806.2 | 52.5° |
| 55° | 2843.0 | 3261.6 | 3635.1 | 3959.4 | 4220.0 | 4502.6 | 4804.9 | 4908.2 | 4664.7 | 4352.1 | 4056.5 | 55° |
| 57.5° | 2947.7 | 3411.5 | 3831.5 | 4220.7 | 4570.3 | 4907.5 | 5170.9 | 5177.7 | 4871.9 | 4525.1 | 4243.3 | 57.5° |
| 60° | 3073.5 | 3549.0 | 4036.7 | 4491.6 | 4917.8 | 5268.0 | 5421.9 | 5373.4 | 5005.3 | 4654.4 | 4371.9 | 60° |
| 62.5° | 3195.3 | 3672.8 | 4204.3 | 4752.2 | 5266.0 | 5571.8 | 5602.5 | 5499.9 | 5097.0 | 4714.6 | 4468.3 | 62.5° |
| 65° | 3255.5 | 3767.2 | 4298.0 | 4917.8 | 5538.2 | 5753.0 | 5715.4 | 5554.7 | 5133.9 | 4723.5 | 4493.0 | 65° |
| 67.5° | 3167.2 | 3678.9 | 4208.4 | 4846.0 | 5536.9 | 5741.4 | 5644.3 | 5450.0 | 5044.3 | 4602.4 | 4378.7 | 67.5° |
| 70° | 2842.3 | 3338.3 | 3769.9 | 4369.8 | 5146.9 | 5348.7 | 5203.0 | 5010.8 | 4671.5 | 4239.2 | 4137.3 | 70° |
| 72.5° | 2391.5 | 2759.5 | 3120.7 | 3564.0 | 4096.9 | 4273.4 | 4081.2 | 4176.9 | 4089.4 | 3670.7 | 3577.7 | 72.5° |
| 75° | 1795.0 | 2139.1 | 2280.0 | 2416.1 | 2784.2 | 2889.5 | 2815.6 | 3144.0 | 3233.6 | 3059.2 | 2821.8 | 75° |
| 77.5° | 1174.5 | 1535.7 | 1561.7 | 1564.5 | 1715.0 | 1916.8 | 2184.2 | 2525.6 | 2695.2 | 2616.6 | 2328.6 | 77.5° |
| 80° | 684.8 | 1082.2 | 968.0 | 931.0 | 1064.4 | 1289.5 | 1642.5 | 2070.0 | 2294.4 | 2310.8 | 2035.8 | 80° |
| 82.5° | 344.1 | 678.6 | 587.6 | 581.5 | 656.7 | 822.9 | 1080.8 | 1319.6 | 1611.7 | 1625.4 | 1661.6 | 82.5° |
| 85° | 267.5 | 466.5 | 477.5 | 517.8 | 570.5 | 639.6 | 658.8 | 701.2 | 864.0 | 1014.5 | 1053.5 | 85° |
| 87.5° | 138.9 | 343.4 | 405.0 | 471.3 | 465.2 | 381.0 | 321.5 | 346.8 | 403.6 | 425.5 | 552.7 | 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° |



IUMBER: P141551

NUMBER: ECM-E02-LED-E1-SLR-7050

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 | 697.8 |
| 697.1 | 698.4 | 697.8 | 698.4 | 699.1 | 699.1 | 698.4 |
| 696.4 | 695.7 | 693.0 | 691.6 | 691.6 | 690.2 | 689.5 |
| 692.3 | 687.5 | 680.6 | 676.5 | 673.8 | 671.8 | 668.3 |
| 693.0 | 684.8 | 675.9 | 669.7 | 663.5 | 659.4 | 655.3 |
| 701.9 | 691.6 | 683.4 | 673.8 | 669.0 | 663.5 | 658.8 |
| 732.6 | 719.0 | 709.4 | 700.5 | 695.0 | 690.9 | 686.8 |
| 781.9 | 765.5 | 749.7 | 741.5 | 732.0 | 725.1 | 724.4 |
| 848.2 | 824.3 | 803.8 | 785.3 | 776.4 | 765.5 | 763.4 |
| 923.5 | 888.6 | 866.7 | 846.2 | 833.9 | 820.9 | 821.6 |
| 1019.3 | 984.4 | 948.8 | 927.6 | 909.8 | 911.9 | 909.8 |
| 1134.2 | 1106.8 | 1065.8 | 1039.8 | 1034.3 | 1013.1 | 997.4 |
| 1313.4 | 1272.4 | 1222.4 | 1175.9 | 1146.5 | 1111.6 | 1078.8 |
| 1489.2 | 1413.3 | 1346.9 | 1301.8 | 1264.2 | 1212.9 | 1161.6 |
| 1663.0 | 1575.4 | 1513.8 | 1475.5 | 1417.4 | 1345.6 | 1265.5 |
| 1869.6 | 1812.1 | 1768.3 | 1674.6 | 1591.8 | 1481.7 | 1360.6 |
| 2167.8 | 2095.3 | 1990.6 | 1871.6 | 1751.9 | 1595.9 | 1430.4 |
| 2464.7 | 2377.1 | 2230.8 | 2055.6 | 1883.9 | 1695.8 | 1485.1 |
| 2786.9 | 2617.9 | 2427.1 | 2215.0 | 2003.6 | 1770.4 | 1522.7 |
| 3040.7 | 2830.0 | 2591.9 | 2337.5 | 2098.7 | 1831.9 | 1555.6 |
| 3300.0 | 3045.5 | 2746.5 | 2459.9 | 2184.9 | 1881.9 | 1588.4 |
| 3503.8 | 3219.9 | 2904.6 | 2571.4 | 2265.0 | 1938.0 | 1633.6 |
| 3707.7 | 3393.7 | 3046.2 | 2682.9 | 2364.1 | 2016.0 | 1701.3 |
| 3877.3 | 3551.0 | 3183.0 | 2804.7 | 2479.1 | 2119.9 | 1812.1 |
| 4101.0 | 3772.0 | 3343.7 | 2949.0 | 2609.0 | 2261.5 | 1952.3 |
| 4313.7 | 4031.2 | 3567.4 | 3118.7 | 2767.7 | 2421.6 | 2111.7 |
| 4454.0 | 4324.0 | 3796.6 | 3289.0 | 2916.9 | 2571.4 | 2252.0 |
| 4456.7 | 4510.1 | 4038.1 | 3427.2 | 3056.4 | 2734.2 | 2366.9 |
| 4349.3 | 4536.1 | 4089.4 | 3439.5 | 3122.8 | 2806.7 | 2427.1 |
| 3977.9 | 4215.9 | 3782.2 | 3196.7 | 2999.6 | 2750.0 | 2360.7 |
| 3076.9 | 3249.3 | 3025.0 | 2709.6 | 2716.4 | 2570.7 | 2100.8 |
| 2130.2 | 2293.0 | 2104.2 | 2037.2 | 2187.0 | 2105.6 | 1568.6 |
| 1613.7 | 1403.7 | 1329.8 | 1365.4 | 1552.2 | 1543.3 | 986.4 |
| 1437.2 | 1062.4 | 881.1 | 924.9 | 1095.9 | 1000.8 | 549.3 |
| 1178.7 | 1059.6 | 885.9 | 801.0 | 835.2 | 683.4 | 375.6 |
| 678.6 | 775.1 | 631.4 | 595.1 | 517.8 | 307.8 | 152.5 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)