

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: P141593

Luminaire Tested: **EMM-F02-LED-E1-SLR-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141593
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: EMM-F02-LED-E1-SLR-8030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3644.7 lumens
Efficiency: N/A
Efficacy: 66.3 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

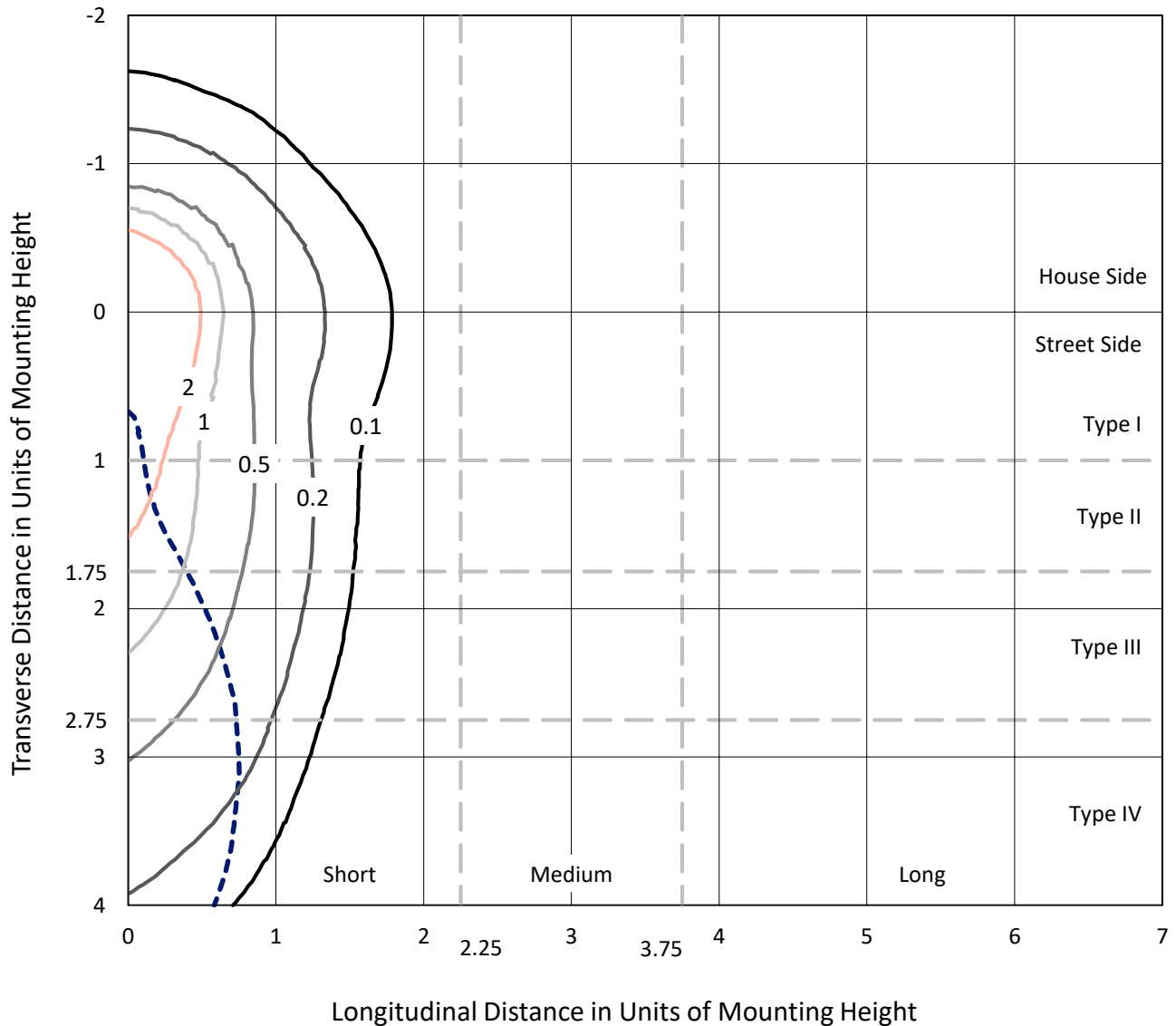
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141593
 CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

Iso-Footcandle Lines of Horizontal Illumination

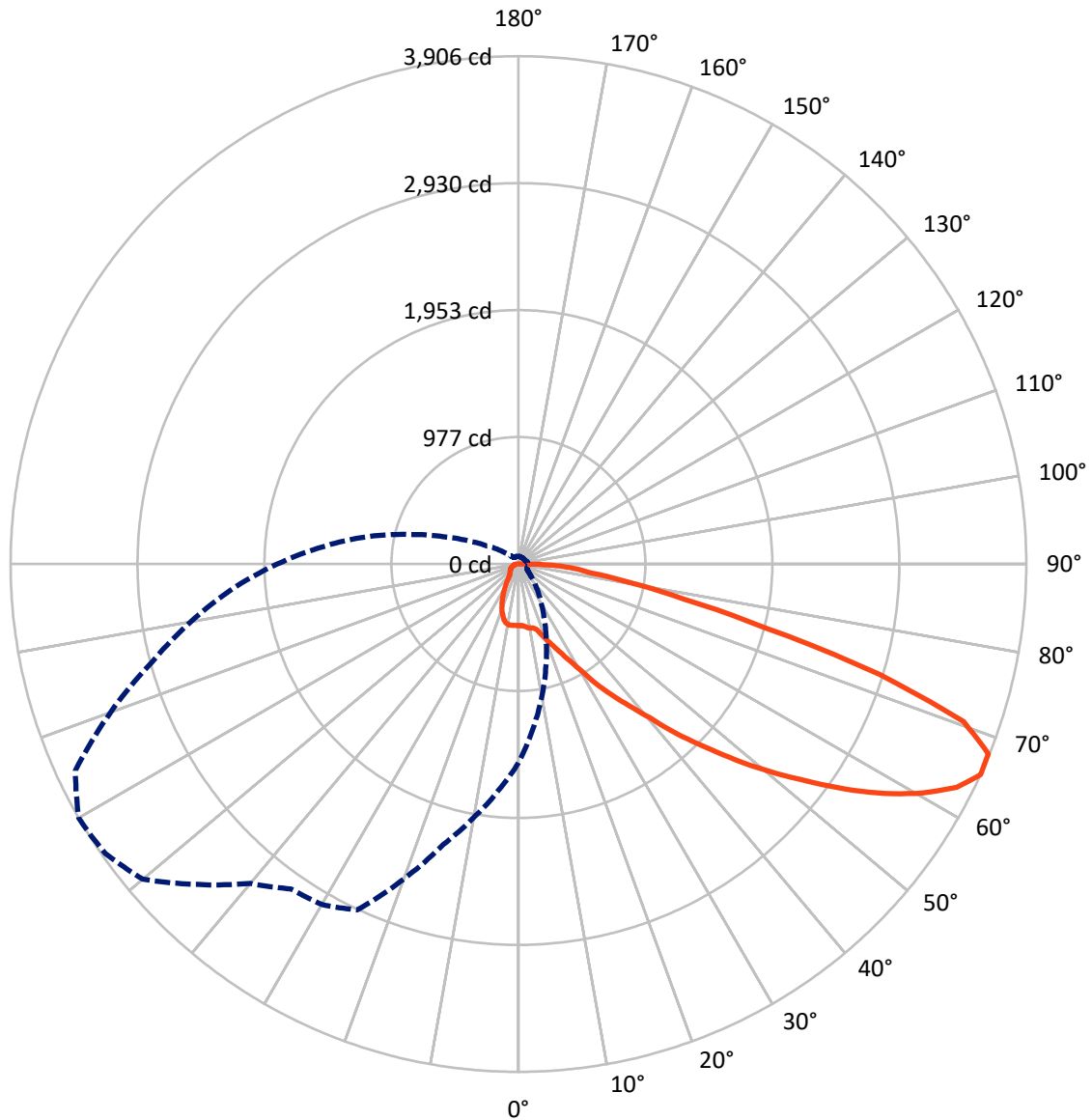
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P141593
CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P141593

CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 676.0 | 0.0 | 676.0 |
| | % Fixture | 18.5 | 0.0 | 18.5 |
| Street Side | Lumens | 2968.7 | 0.0 | 2968.7 |
| | % Fixture | 81.5 | 0.0 | 81.5 |
| Total | Lumens | 3644.7 | 0.0 | 3644.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 45.8 | 1.3 |
| 10°-20° | 137.7 | 3.8 |
| 20°-30° | 228.7 | 6.3 |
| 30°-40° | 334.4 | 9.2 |
| 40°-50° | 508.6 | 14.0 |
| 50°-60° | 731.1 | 20.1 |
| 60°-70° | 898.9 | 24.7 |
| 70°-80° | 601.3 | 16.5 |
| 80°-90° | 158.2 | 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° | 3644.7 | 100.0 |
| 0°-180° | 3644.7 | 100.0 |



REPORT NUMBER: P141593

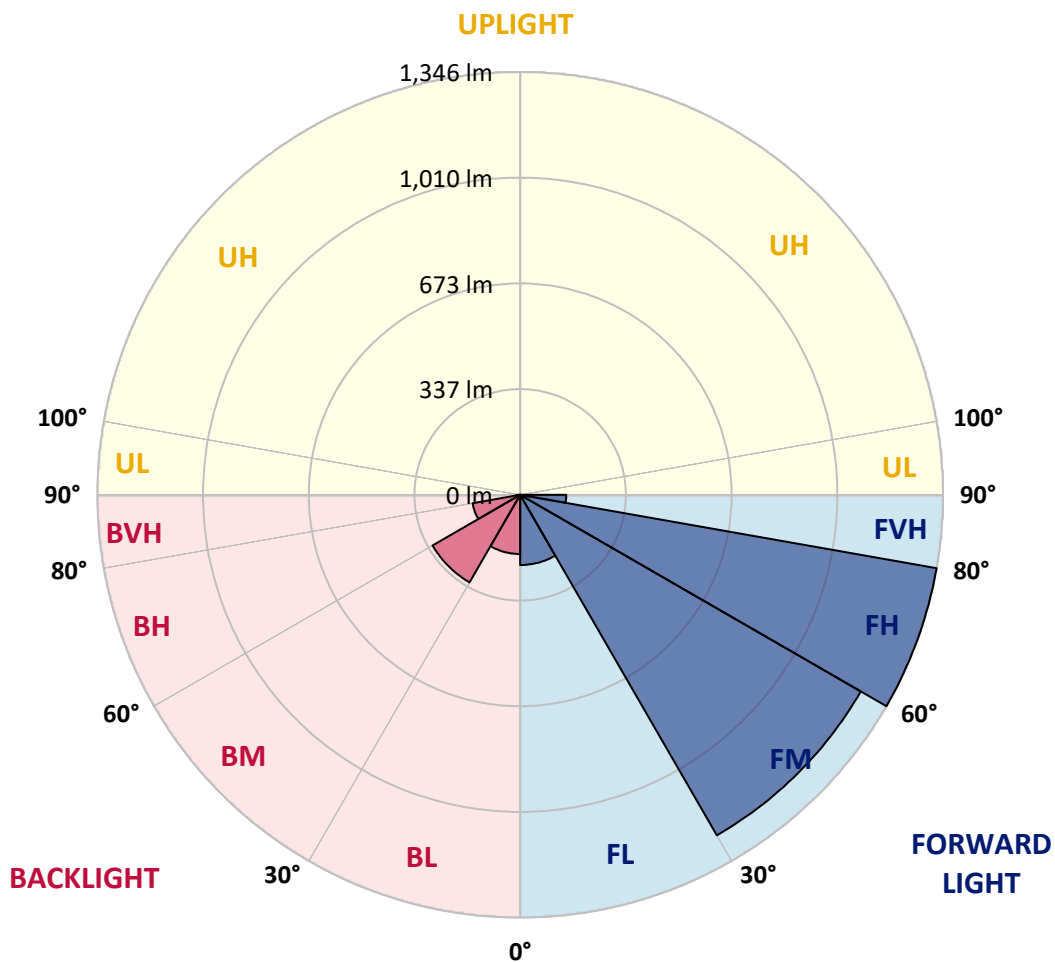
CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 223.6 | 6.1 | | | |
| FM (30°-60°) | 1252.1 | 34.4 | | | |
| FH (60°-80°) | 1346.3 | 36.9 | | | G1/1800 |
| FVH (80°-90°) | 146.7 | 4.0 | | | G2/225 |
| BL (0°-30°) | 188.7 | 5.2 | B1/500 | | |
| BM (30°-60°) | 322.0 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 153.8 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 11.5 | 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





REPORT NUMBER: P141593

CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 |
| 2.5° | 474.2 | 475.6 | 475.6 | 474.7 | 474.2 | 474.7 | 475.2 | 474.7 | 475.2 | 476.1 | 475.6 |
| 5° | 468.2 | 469.1 | 469.6 | 469.6 | 469.6 | 470.5 | 471.9 | 471.5 | 472.9 | 473.8 | 473.8 |
| 7.5° | 453.8 | 455.7 | 455.7 | 456.1 | 457.1 | 458.5 | 460.8 | 461.7 | 464.0 | 467.3 | 468.2 |
| 10° | 445.0 | 445.4 | 444.1 | 443.6 | 444.5 | 447.3 | 448.7 | 451.0 | 454.7 | 458.5 | 462.2 |
| 12.5° | 447.3 | 447.8 | 445.4 | 445.9 | 445.9 | 447.3 | 451.5 | 453.3 | 454.7 | 457.1 | 460.8 |
| 15° | 466.3 | 466.3 | 463.6 | 464.5 | 465.0 | 466.8 | 466.8 | 463.6 | 462.6 | 460.3 | 458.5 |
| 17.5° | 491.9 | 488.2 | 487.7 | 487.3 | 489.1 | 487.3 | 483.1 | 475.6 | 466.8 | 457.5 | 450.1 |
| 20° | 518.4 | 518.8 | 516.0 | 515.6 | 510.5 | 504.0 | 491.9 | 477.0 | 461.2 | 446.8 | 432.0 |
| 22.5° | 557.9 | 558.8 | 553.7 | 543.5 | 532.3 | 515.1 | 493.3 | 470.5 | 447.8 | 427.8 | 410.6 |
| 25° | 617.8 | 608.0 | 596.4 | 575.0 | 546.7 | 516.5 | 486.3 | 458.0 | 428.3 | 401.8 | 380.0 |
| 27.5° | 677.2 | 657.7 | 626.6 | 591.8 | 551.8 | 512.8 | 477.0 | 438.9 | 403.6 | 371.6 | 346.5 |
| 30° | 732.5 | 696.3 | 651.7 | 602.0 | 550.9 | 500.7 | 455.2 | 412.0 | 370.2 | 335.8 | 306.1 |
| 32.5° | 788.7 | 735.8 | 674.0 | 604.3 | 537.0 | 477.0 | 424.5 | 374.8 | 333.5 | 291.7 | 259.7 |
| 35° | 859.3 | 779.4 | 687.4 | 595.5 | 512.8 | 439.9 | 383.7 | 336.3 | 291.7 | 249.4 | 216.0 |
| 37.5° | 923.9 | 814.3 | 694.4 | 580.6 | 481.2 | 401.3 | 339.5 | 291.2 | 249.4 | 213.7 | 184.9 |
| 40° | 971.2 | 837.0 | 693.5 | 561.6 | 449.2 | 361.8 | 301.0 | 257.3 | 219.7 | 191.4 | 169.1 |
| 42.5° | 1008.4 | 850.0 | 688.8 | 543.5 | 421.3 | 333.0 | 275.9 | 236.0 | 206.2 | 183.5 | 166.3 |
| 45° | 1034.0 | 859.3 | 686.1 | 529.1 | 402.7 | 319.1 | 267.5 | 234.1 | 209.0 | 188.6 | 169.1 |
| 47.5° | 1056.3 | 870.0 | 685.1 | 522.6 | 398.5 | 323.3 | 278.7 | 248.5 | 221.1 | 194.6 | 168.6 |
| 50° | 1078.5 | 880.7 | 693.5 | 533.2 | 414.3 | 346.5 | 304.7 | 266.2 | 228.5 | 192.8 | 160.7 |
| 52.5° | 1109.2 | 911.8 | 724.6 | 563.9 | 448.7 | 379.0 | 329.3 | 280.6 | 229.9 | 188.1 | 153.3 |
| 55° | 1155.2 | 960.1 | 769.2 | 604.3 | 485.9 | 414.3 | 349.3 | 286.1 | 228.5 | 183.0 | 146.3 |
| 57.5° | 1230.4 | 1031.2 | 830.0 | 660.5 | 534.2 | 441.7 | 360.4 | 288.4 | 225.3 | 177.4 | 140.7 |
| 60° | 1325.7 | 1112.5 | 906.7 | 719.5 | 575.5 | 460.8 | 365.1 | 287.5 | 220.6 | 170.9 | 132.8 |
| 62.5° | 1433.9 | 1201.6 | 975.9 | 773.4 | 605.2 | 469.6 | 363.2 | 280.1 | 209.9 | 157.5 | 121.7 |
| 65° | 1529.1 | 1272.7 | 1034.0 | 816.6 | 623.8 | 469.6 | 351.6 | 262.9 | 190.9 | 138.4 | 107.3 |
| 67.5° | 1607.1 | 1332.6 | 1078.5 | 841.7 | 625.7 | 453.3 | 323.7 | 231.8 | 160.7 | 114.7 | 90.6 |
| 70° | 1648.0 | 1351.7 | 1092.5 | 838.9 | 594.5 | 406.4 | 272.7 | 180.2 | 118.0 | 89.2 | 72.9 |
| 72.5° | 1603.0 | 1306.6 | 1033.0 | 758.0 | 496.1 | 303.3 | 190.9 | 122.6 | 84.5 | 69.2 | 60.4 |
| 75° | 1426.4 | 1108.7 | 859.8 | 586.2 | 355.3 | 189.0 | 118.4 | 85.9 | 66.9 | 57.6 | 53.0 |
| 77.5° | 1065.1 | 826.3 | 591.8 | 371.1 | 203.4 | 114.7 | 83.1 | 65.5 | 56.2 | 50.6 | 46.4 |
| 80° | 669.8 | 509.1 | 355.8 | 204.4 | 116.1 | 84.5 | 69.2 | 58.5 | 51.1 | 44.1 | 39.9 |
| 82.5° | 373.0 | 271.3 | 181.2 | 116.6 | 80.8 | 68.3 | 59.9 | 53.9 | 45.5 | 38.6 | 34.4 |
| 85° | 255.0 | 167.7 | 114.3 | 76.6 | 55.7 | 49.7 | 44.6 | 40.9 | 34.8 | 29.3 | 26.9 |
| 87.5° | 103.6 | 96.6 | 70.1 | 30.7 | 22.8 | 20.4 | 18.1 | 22.3 | 18.6 | 14.4 | 13.5 |
| 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: P141593

CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 |
| 2.5° | 476.6 | 475.6 | 476.1 | 475.6 | 475.2 | 474.7 | 474.2 | 474.7 | 473.8 | 474.2 | 474.2 |
| 5° | 475.2 | 474.2 | 475.6 | 475.2 | 474.2 | 474.2 | 473.8 | 473.8 | 473.8 | 473.8 | 474.2 |
| 7.5° | 471.0 | 471.0 | 472.4 | 472.4 | 471.5 | 471.5 | 470.5 | 470.1 | 470.1 | 470.5 | 471.5 |
| 10° | 465.4 | 466.8 | 469.1 | 468.2 | 466.3 | 465.4 | 464.0 | 463.1 | 462.6 | 463.6 | 464.5 |
| 12.5° | 461.2 | 462.2 | 460.8 | 459.4 | 456.6 | 453.3 | 452.9 | 450.6 | 449.2 | 451.5 | 451.5 |
| 15° | 454.3 | 450.6 | 445.4 | 440.8 | 434.3 | 431.0 | 427.3 | 426.4 | 423.2 | 423.6 | 425.9 |
| 17.5° | 439.4 | 429.7 | 421.8 | 417.1 | 411.5 | 409.2 | 405.0 | 402.7 | 400.4 | 398.1 | 399.5 |
| 20° | 418.5 | 407.8 | 397.6 | 391.6 | 382.7 | 380.9 | 373.9 | 373.9 | 371.1 | 371.6 | 374.4 |
| 22.5° | 392.0 | 375.8 | 362.8 | 355.3 | 346.0 | 342.3 | 339.1 | 336.8 | 335.4 | 338.1 | 334.9 |
| 25° | 357.2 | 337.7 | 325.6 | 314.9 | 304.7 | 301.0 | 296.8 | 295.4 | 295.9 | 294.0 | 297.3 |
| 27.5° | 321.4 | 297.3 | 284.3 | 272.2 | 264.8 | 258.3 | 255.0 | 254.1 | 252.2 | 257.3 | 254.5 |
| 30° | 276.4 | 254.5 | 239.2 | 226.7 | 217.8 | 214.6 | 211.3 | 210.4 | 213.2 | 209.5 | 207.6 |
| 32.5° | 230.9 | 207.2 | 194.2 | 183.5 | 177.0 | 170.5 | 169.5 | 167.7 | 164.4 | 168.6 | 167.7 |
| 35° | 189.5 | 169.5 | 156.1 | 149.6 | 140.7 | 138.0 | 132.4 | 131.0 | 131.5 | 132.4 | 131.9 |
| 37.5° | 164.4 | 150.5 | 138.4 | 129.6 | 123.1 | 119.4 | 117.5 | 115.7 | 115.7 | 114.7 | 114.3 |
| 40° | 152.8 | 141.2 | 130.1 | 121.7 | 116.6 | 113.8 | 111.9 | 110.1 | 108.7 | 107.3 | 105.9 |
| 42.5° | 151.0 | 137.0 | 124.5 | 116.1 | 111.5 | 110.5 | 110.1 | 108.7 | 106.8 | 104.5 | 102.7 |
| 45° | 149.6 | 131.9 | 118.9 | 111.5 | 108.2 | 107.8 | 107.8 | 106.4 | 105.0 | 102.7 | 99.9 |
| 47.5° | 144.9 | 125.4 | 112.9 | 107.3 | 105.9 | 106.4 | 105.9 | 104.5 | 103.6 | 101.3 | 98.0 |
| 50° | 134.7 | 115.7 | 103.6 | 99.4 | 98.9 | 98.5 | 98.5 | 98.0 | 97.1 | 95.2 | 92.0 |
| 52.5° | 125.9 | 106.8 | 97.1 | 94.3 | 93.4 | 93.4 | 92.4 | 92.0 | 90.1 | 88.7 | 86.4 |
| 55° | 120.3 | 102.2 | 93.8 | 92.0 | 92.0 | 91.5 | 90.6 | 89.2 | 87.8 | 85.9 | 83.1 |
| 57.5° | 115.2 | 98.5 | 91.5 | 90.1 | 90.6 | 90.1 | 89.2 | 88.3 | 86.4 | 84.1 | 80.8 |
| 60° | 107.8 | 92.9 | 86.9 | 86.4 | 87.3 | 88.3 | 87.8 | 87.3 | 85.9 | 82.7 | 78.0 |
| 62.5° | 97.1 | 83.6 | 79.0 | 79.9 | 80.8 | 81.8 | 81.3 | 80.8 | 79.4 | 76.6 | 72.5 |
| 65° | 86.4 | 76.6 | 73.9 | 74.8 | 75.7 | 75.7 | 75.7 | 74.8 | 73.9 | 70.6 | 67.4 |
| 67.5° | 76.2 | 70.1 | 69.2 | 70.1 | 70.6 | 70.6 | 71.1 | 70.1 | 68.7 | 66.4 | 63.2 |
| 70° | 65.0 | 62.2 | 62.2 | 63.2 | 63.6 | 63.2 | 63.6 | 62.2 | 60.8 | 59.5 | 56.2 |
| 72.5° | 58.1 | 58.1 | 57.6 | 57.6 | 57.6 | 56.7 | 56.2 | 55.3 | 53.9 | 52.5 | 49.7 |
| 75° | 51.6 | 51.6 | 51.1 | 52.0 | 50.2 | 48.8 | 48.3 | 47.4 | 46.0 | 44.1 | 42.3 |
| 77.5° | 44.1 | 43.2 | 43.2 | 44.6 | 44.1 | 42.3 | 40.9 | 40.4 | 38.6 | 36.7 | 35.8 |
| 80° | 38.1 | 37.2 | 37.2 | 36.7 | 35.8 | 35.3 | 33.4 | 31.6 | 31.1 | 31.1 | 29.7 |
| 82.5° | 33.4 | 33.0 | 31.6 | 30.7 | 29.3 | 27.9 | 26.5 | 25.5 | 24.2 | 23.7 | 24.2 |
| 85° | 26.5 | 26.9 | 25.5 | 24.6 | 23.2 | 21.4 | 20.0 | 19.0 | 18.1 | 18.1 | 20.0 |
| 87.5° | 15.3 | 14.4 | 14.4 | 13.9 | 13.5 | 12.1 | 12.1 | 10.7 | 10.2 | 13.0 | 13.5 |
| 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: P141593

CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 |
| 2.5° | 474.7 | 474.7 | 473.3 | 474.2 | 473.8 | 474.2 | 476.1 | 474.2 | 473.8 | 475.2 | 476.6 |
| 5° | 474.7 | 475.6 | 474.2 | 475.2 | 475.2 | 476.6 | 478.9 | 477.5 | 478.4 | 480.3 | 482.1 |
| 7.5° | 472.9 | 474.2 | 474.2 | 476.1 | 477.5 | 479.8 | 483.1 | 482.1 | 484.0 | 486.8 | 489.1 |
| 10° | 467.7 | 470.1 | 472.4 | 475.2 | 478.4 | 482.1 | 486.8 | 486.8 | 488.6 | 492.4 | 494.7 |
| 12.5° | 455.2 | 461.2 | 464.0 | 470.5 | 475.6 | 481.2 | 486.3 | 489.6 | 491.0 | 494.2 | 497.0 |
| 15° | 430.1 | 437.5 | 443.1 | 451.0 | 459.4 | 467.3 | 476.1 | 479.4 | 482.1 | 483.5 | 484.9 |
| 17.5° | 401.3 | 406.4 | 410.1 | 420.4 | 429.7 | 437.1 | 445.4 | 449.6 | 452.9 | 452.9 | 453.8 |
| 20° | 377.6 | 380.0 | 380.9 | 380.9 | 386.5 | 393.4 | 404.1 | 402.7 | 405.5 | 402.7 | 405.5 |
| 22.5° | 340.9 | 337.2 | 339.1 | 339.1 | 342.8 | 341.4 | 345.6 | 352.5 | 351.6 | 353.5 | 361.4 |
| 25° | 296.3 | 296.8 | 293.6 | 293.6 | 294.0 | 295.0 | 296.8 | 298.7 | 305.2 | 312.1 | 317.2 |
| 27.5° | 254.1 | 253.1 | 250.8 | 249.0 | 247.1 | 250.4 | 252.7 | 252.2 | 261.5 | 267.1 | 276.4 |
| 30° | 207.6 | 207.6 | 208.1 | 207.2 | 209.0 | 206.7 | 210.4 | 211.3 | 219.2 | 225.3 | 233.6 |
| 32.5° | 169.1 | 170.0 | 170.0 | 169.5 | 172.8 | 170.5 | 172.3 | 174.6 | 179.8 | 184.9 | 189.0 |
| 35° | 134.2 | 135.6 | 139.3 | 140.7 | 142.1 | 140.3 | 142.6 | 145.4 | 145.8 | 150.5 | 153.7 |
| 37.5° | 113.8 | 116.1 | 116.6 | 117.5 | 117.5 | 118.9 | 119.4 | 121.2 | 121.2 | 122.6 | 123.6 |
| 40° | 105.0 | 104.0 | 103.6 | 103.1 | 102.2 | 102.7 | 103.1 | 104.5 | 105.0 | 105.9 | 105.9 |
| 42.5° | 100.8 | 99.4 | 97.1 | 95.7 | 93.8 | 93.8 | 93.8 | 93.8 | 95.2 | 96.1 | 96.1 |
| 45° | 97.1 | 94.8 | 92.4 | 90.1 | 88.7 | 87.8 | 88.3 | 88.7 | 89.6 | 90.1 | 90.6 |
| 47.5° | 94.8 | 91.5 | 87.8 | 85.5 | 84.1 | 83.1 | 83.6 | 84.1 | 84.1 | 84.5 | 85.0 |
| 50° | 88.3 | 85.0 | 81.8 | 79.4 | 78.0 | 77.6 | 77.6 | 77.1 | 77.6 | 78.0 | 78.0 |
| 52.5° | 83.1 | 79.9 | 77.1 | 74.8 | 73.4 | 73.4 | 72.9 | 72.0 | 72.5 | 72.0 | 72.5 |
| 55° | 80.4 | 76.2 | 72.9 | 70.6 | 69.2 | 69.2 | 68.3 | 68.7 | 68.7 | 67.8 | 68.3 |
| 57.5° | 77.1 | 72.9 | 70.1 | 67.4 | 65.5 | 65.5 | 65.0 | 65.5 | 66.0 | 64.6 | 64.6 |
| 60° | 73.9 | 70.1 | 66.9 | 64.6 | 62.2 | 62.7 | 62.2 | 63.2 | 63.2 | 61.8 | 61.8 |
| 62.5° | 67.8 | 64.6 | 62.7 | 61.3 | 59.5 | 59.9 | 59.9 | 61.3 | 59.9 | 59.0 | 58.5 |
| 65° | 63.2 | 60.8 | 58.1 | 58.1 | 56.2 | 57.1 | 57.1 | 57.1 | 55.7 | 55.3 | 55.7 |
| 67.5° | 59.9 | 57.1 | 55.3 | 53.4 | 52.0 | 52.5 | 51.6 | 51.6 | 51.1 | 50.6 | 51.6 |
| 70° | 53.9 | 51.6 | 50.6 | 48.8 | 47.8 | 46.4 | 46.0 | 46.0 | 46.0 | 45.5 | 46.0 |
| 72.5° | 47.8 | 46.0 | 45.1 | 43.2 | 42.3 | 41.3 | 40.9 | 40.4 | 39.9 | 40.4 | 40.4 |
| 75° | 40.4 | 39.5 | 38.6 | 37.6 | 36.7 | 36.2 | 35.8 | 35.8 | 35.3 | 34.8 | 35.3 |
| 77.5° | 34.8 | 33.4 | 33.0 | 32.0 | 32.5 | 31.1 | 30.7 | 31.1 | 31.1 | 31.1 | 31.6 |
| 80° | 29.7 | 28.8 | 28.8 | 27.9 | 27.4 | 26.5 | 26.9 | 26.9 | 26.9 | 26.9 | 27.4 |
| 82.5° | 26.0 | 25.1 | 25.1 | 24.6 | 23.2 | 22.3 | 22.8 | 23.7 | 23.7 | 23.2 | 24.2 |
| 85° | 21.4 | 20.4 | 20.4 | 20.0 | 18.1 | 17.7 | 17.2 | 18.1 | 18.6 | 17.7 | 18.6 |
| 87.5° | 13.9 | 13.0 | 12.5 | 12.5 | 10.7 | 7.4 | 9.8 | 10.7 | 10.7 | 8.8 | 10.2 |
| 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: P141593

CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 |
| 2.5° | 476.1 | 477.0 | 477.0 | 478.0 | 479.8 | 478.0 | 477.0 | 478.4 | 478.4 | 478.0 | 478.0 |
| 5° | 482.1 | 484.0 | 484.5 | 487.3 | 488.6 | 487.7 | 488.6 | 489.6 | 490.0 | 489.1 | 490.0 |
| 7.5° | 490.0 | 492.4 | 494.7 | 497.9 | 500.7 | 500.3 | 501.6 | 503.5 | 504.0 | 504.0 | 504.9 |
| 10° | 496.5 | 499.8 | 502.1 | 506.3 | 509.5 | 510.5 | 511.9 | 514.2 | 516.5 | 516.5 | 518.4 |
| 12.5° | 497.9 | 501.6 | 504.0 | 507.7 | 513.3 | 515.1 | 518.4 | 523.9 | 526.3 | 528.1 | 529.5 |
| 15° | 485.9 | 489.1 | 492.4 | 497.5 | 504.0 | 509.5 | 517.0 | 524.9 | 531.8 | 537.0 | 538.8 |
| 17.5° | 454.3 | 454.7 | 458.0 | 465.4 | 478.9 | 484.9 | 494.2 | 510.5 | 520.2 | 529.5 | 538.3 |
| 20° | 407.8 | 416.6 | 419.9 | 429.7 | 442.7 | 451.9 | 462.6 | 477.5 | 492.4 | 509.1 | 523.9 |
| 22.5° | 366.9 | 378.6 | 387.8 | 399.5 | 410.1 | 420.8 | 434.3 | 447.3 | 463.6 | 479.8 | 497.5 |
| 25° | 325.1 | 335.8 | 348.8 | 361.4 | 373.9 | 387.4 | 404.1 | 418.0 | 434.3 | 453.3 | 475.6 |
| 27.5° | 284.7 | 295.9 | 310.3 | 325.1 | 335.4 | 353.5 | 367.4 | 387.8 | 406.4 | 427.3 | 452.4 |
| 30° | 242.5 | 253.1 | 260.1 | 276.4 | 290.8 | 308.9 | 330.3 | 350.2 | 372.5 | 395.7 | 425.0 |
| 32.5° | 196.5 | 203.0 | 212.7 | 223.9 | 240.6 | 259.7 | 281.9 | 303.3 | 334.0 | 362.8 | 390.6 |
| 35° | 157.5 | 160.7 | 160.2 | 172.8 | 180.2 | 203.0 | 230.9 | 251.3 | 281.9 | 317.2 | 353.9 |
| 37.5° | 124.0 | 123.6 | 126.3 | 128.2 | 137.5 | 152.4 | 174.2 | 200.7 | 236.0 | 274.0 | 310.7 |
| 40° | 105.9 | 106.4 | 106.8 | 106.8 | 108.7 | 118.4 | 138.0 | 165.4 | 199.3 | 233.2 | 273.6 |
| 42.5° | 97.5 | 98.5 | 98.9 | 99.9 | 100.8 | 104.0 | 118.0 | 143.5 | 172.3 | 208.6 | 244.8 |
| 45° | 91.5 | 92.9 | 94.3 | 94.3 | 95.2 | 96.1 | 104.0 | 123.6 | 152.4 | 186.7 | 224.8 |
| 47.5° | 86.4 | 87.8 | 88.7 | 89.2 | 90.1 | 91.0 | 95.2 | 108.7 | 136.6 | 167.7 | 207.2 |
| 50° | 79.0 | 80.4 | 81.3 | 82.7 | 82.7 | 82.7 | 85.5 | 95.2 | 116.6 | 147.2 | 185.8 |
| 52.5° | 72.9 | 73.9 | 75.2 | 76.2 | 76.6 | 77.1 | 78.5 | 84.1 | 100.3 | 129.1 | 165.4 |
| 55° | 69.7 | 70.6 | 72.0 | 72.9 | 73.9 | 74.3 | 75.2 | 77.6 | 89.2 | 113.8 | 147.7 |
| 57.5° | 65.5 | 66.9 | 68.7 | 69.7 | 70.6 | 71.1 | 71.5 | 72.5 | 80.4 | 98.9 | 126.8 |
| 60° | 62.7 | 65.0 | 67.4 | 68.7 | 69.2 | 69.7 | 70.1 | 69.2 | 72.5 | 84.1 | 105.9 |
| 62.5° | 59.5 | 61.8 | 63.6 | 65.5 | 66.0 | 66.4 | 66.9 | 65.5 | 65.0 | 70.6 | 82.7 |
| 65° | 56.7 | 58.1 | 59.5 | 60.8 | 60.8 | 61.3 | 60.8 | 59.0 | 57.6 | 57.6 | 63.2 |
| 67.5° | 53.0 | 53.9 | 55.3 | 55.7 | 55.7 | 55.7 | 55.3 | 54.8 | 52.5 | 51.6 | 52.5 |
| 70° | 47.4 | 48.8 | 50.2 | 51.1 | 51.1 | 50.6 | 50.2 | 48.8 | 47.8 | 46.9 | 47.8 |
| 72.5° | 42.3 | 44.1 | 44.6 | 45.1 | 44.6 | 44.6 | 44.6 | 43.7 | 44.1 | 44.1 | 44.6 |
| 75° | 37.2 | 38.1 | 38.1 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.9 | 39.5 | 39.9 |
| 77.5° | 31.6 | 32.0 | 33.0 | 33.0 | 33.0 | 33.4 | 34.4 | 34.4 | 35.3 | 35.8 | 35.8 |
| 80° | 27.4 | 26.5 | 26.5 | 26.0 | 26.5 | 27.4 | 28.3 | 30.2 | 30.2 | 30.7 | 31.1 |
| 82.5° | 21.8 | 20.0 | 19.0 | 20.0 | 20.0 | 20.4 | 22.3 | 24.2 | 24.2 | 25.5 | 26.0 |
| 85° | 16.7 | 14.4 | 12.5 | 13.5 | 13.5 | 14.4 | 16.3 | 17.2 | 18.6 | 19.0 | 18.6 |
| 87.5° | 9.8 | 8.4 | 5.6 | 4.6 | 5.6 | 7.0 | 7.4 | 8.4 | 7.0 | 7.9 | 8.4 |
| 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: P141593

CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 |
| 2.5° | 478.9 | 478.9 | 476.6 | 476.6 | 477.0 | 478.0 | 475.6 | 475.2 | 475.6 | 475.2 | 474.7 |
| 5° | 491.4 | 490.0 | 489.6 | 488.6 | 488.2 | 489.1 | 486.8 | 486.8 | 486.3 | 485.4 | 484.0 |
| 7.5° | 505.4 | 504.4 | 503.5 | 502.6 | 501.6 | 502.1 | 499.8 | 499.3 | 498.9 | 498.4 | 497.0 |
| 10° | 518.4 | 517.0 | 516.0 | 513.7 | 511.9 | 510.0 | 505.4 | 504.0 | 502.6 | 501.6 | 501.2 |
| 12.5° | 529.1 | 527.7 | 524.4 | 520.2 | 517.4 | 512.8 | 509.1 | 505.8 | 504.4 | 503.0 | 503.5 |
| 15° | 539.3 | 536.5 | 532.3 | 527.2 | 524.4 | 519.8 | 517.0 | 515.6 | 514.7 | 513.7 | 514.7 |
| 17.5° | 542.5 | 543.5 | 541.1 | 539.7 | 537.9 | 536.0 | 536.5 | 537.9 | 540.7 | 540.7 | 540.7 |
| 20° | 536.5 | 546.7 | 553.2 | 558.3 | 562.5 | 565.3 | 565.7 | 567.1 | 570.4 | 571.8 | 578.8 |
| 22.5° | 522.1 | 548.6 | 570.4 | 588.0 | 599.2 | 602.9 | 607.1 | 611.7 | 612.2 | 613.6 | 620.1 |
| 25° | 508.6 | 547.2 | 579.7 | 607.6 | 633.6 | 651.7 | 661.9 | 671.2 | 673.5 | 675.4 | 675.4 |
| 27.5° | 484.9 | 527.7 | 569.5 | 606.6 | 642.4 | 672.6 | 696.3 | 720.4 | 737.1 | 743.2 | 752.0 |
| 30° | 459.8 | 504.9 | 548.1 | 595.0 | 640.5 | 682.8 | 725.5 | 764.6 | 792.0 | 812.4 | 828.7 |
| 32.5° | 428.3 | 477.0 | 526.3 | 577.4 | 631.7 | 684.7 | 741.8 | 798.5 | 850.5 | 891.4 | 916.4 |
| 35° | 395.3 | 446.4 | 497.5 | 553.7 | 615.0 | 679.1 | 752.0 | 827.3 | 896.9 | 963.4 | 1020.5 |
| 37.5° | 359.1 | 407.4 | 463.1 | 527.2 | 593.2 | 669.8 | 754.8 | 848.2 | 944.8 | 1040.0 | 1113.8 |
| 40° | 317.7 | 364.6 | 418.5 | 485.9 | 565.7 | 652.1 | 753.4 | 864.4 | 985.6 | 1104.1 | 1223.0 |
| 42.5° | 289.4 | 332.6 | 384.1 | 451.9 | 533.2 | 632.2 | 747.8 | 879.3 | 1022.8 | 1169.6 | 1319.2 |
| 45° | 268.0 | 310.3 | 360.9 | 425.9 | 508.6 | 612.7 | 746.0 | 896.0 | 1061.8 | 1230.0 | 1404.6 |
| 47.5° | 249.4 | 293.1 | 341.9 | 406.0 | 485.9 | 595.0 | 741.8 | 909.9 | 1094.3 | 1276.4 | 1478.9 |
| 50° | 231.3 | 275.9 | 326.1 | 390.6 | 469.1 | 576.0 | 732.5 | 922.5 | 1125.0 | 1324.7 | 1540.3 |
| 52.5° | 211.3 | 255.5 | 309.4 | 375.3 | 458.5 | 563.9 | 722.7 | 932.7 | 1154.7 | 1376.3 | 1603.9 |
| 55° | 190.0 | 234.6 | 287.5 | 357.2 | 444.1 | 554.6 | 713.0 | 939.2 | 1185.8 | 1422.7 | 1661.0 |
| 57.5° | 166.8 | 211.3 | 262.9 | 334.0 | 426.4 | 542.1 | 702.3 | 938.7 | 1208.6 | 1466.4 | 1722.8 |
| 60° | 138.4 | 178.8 | 229.9 | 301.5 | 395.7 | 524.4 | 693.5 | 935.0 | 1224.9 | 1504.9 | 1791.5 |
| 62.5° | 105.4 | 139.8 | 186.7 | 253.6 | 351.6 | 490.5 | 670.3 | 919.2 | 1226.7 | 1532.8 | 1848.7 |
| 65° | 75.2 | 93.8 | 131.0 | 197.9 | 279.2 | 414.8 | 614.1 | 877.4 | 1196.1 | 1512.8 | 1853.8 |
| 67.5° | 57.6 | 67.8 | 85.9 | 125.9 | 197.9 | 315.9 | 517.4 | 783.6 | 1100.8 | 1406.5 | 1768.3 |
| 70° | 49.7 | 54.8 | 64.6 | 82.2 | 124.0 | 204.8 | 366.5 | 619.2 | 906.7 | 1210.0 | 1518.9 |
| 72.5° | 46.0 | 49.2 | 55.3 | 64.1 | 79.0 | 120.8 | 225.7 | 416.2 | 666.1 | 922.5 | 1192.8 |
| 75° | 42.3 | 45.5 | 50.2 | 55.7 | 63.2 | 80.8 | 123.1 | 244.8 | 411.1 | 609.4 | 801.7 |
| 77.5° | 37.6 | 40.4 | 46.4 | 51.6 | 56.2 | 63.2 | 78.5 | 136.1 | 226.2 | 364.6 | 479.8 |
| 80° | 31.6 | 34.4 | 39.0 | 46.9 | 51.6 | 56.2 | 61.3 | 83.6 | 124.9 | 188.6 | 246.2 |
| 82.5° | 26.0 | 27.4 | 31.1 | 38.1 | 42.3 | 44.6 | 46.0 | 54.3 | 71.1 | 92.9 | 135.6 |
| 85° | 18.1 | 18.1 | 20.9 | 24.6 | 27.9 | 26.0 | 26.5 | 27.9 | 36.7 | 51.6 | 104.0 |
| 87.5° | 7.0 | 5.1 | 6.5 | 7.9 | 7.9 | 7.4 | 8.8 | 8.4 | 11.6 | 21.8 | 29.7 |
| 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: P141593
 CATALOG NUMBER: EMM-F02-LED-E1-SLR-8030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 0° |
| 2.5° | 474.7 | 474.7 | 474.2 | 473.8 | 473.3 | 473.3 | 472.4 | 473.8 | 473.3 | 473.8 | 474.2 | 2.5° |
| 5° | 484.5 | 483.5 | 482.6 | 481.7 | 481.7 | 480.7 | 479.4 | 478.9 | 477.0 | 476.6 | 475.2 | 5° |
| 7.5° | 498.4 | 498.4 | 498.4 | 497.5 | 495.6 | 493.3 | 490.5 | 488.6 | 483.5 | 479.8 | 475.6 | 7.5° |
| 10° | 502.1 | 503.0 | 503.5 | 504.0 | 502.1 | 501.6 | 498.4 | 494.7 | 488.6 | 483.1 | 477.5 | 10° |
| 12.5° | 503.5 | 505.4 | 505.8 | 506.3 | 504.9 | 504.0 | 500.7 | 498.4 | 493.3 | 487.7 | 484.9 | 12.5° |
| 15° | 516.5 | 519.8 | 523.5 | 523.0 | 527.2 | 522.6 | 519.8 | 520.2 | 514.7 | 508.6 | 506.8 | 15° |
| 17.5° | 550.0 | 551.4 | 559.2 | 559.7 | 566.2 | 568.1 | 563.4 | 558.3 | 555.1 | 551.4 | 543.5 | 17.5° |
| 20° | 586.2 | 596.4 | 599.2 | 613.1 | 619.6 | 622.9 | 623.3 | 623.3 | 617.3 | 601.1 | 594.5 | 20° |
| 22.5° | 625.7 | 641.0 | 657.7 | 666.5 | 680.0 | 681.9 | 688.8 | 684.7 | 680.0 | 667.5 | 652.6 | 22.5° |
| 25° | 689.3 | 698.1 | 713.0 | 735.3 | 741.8 | 755.3 | 752.5 | 758.5 | 748.3 | 726.5 | 717.6 | 25° |
| 27.5° | 760.4 | 775.7 | 796.6 | 817.5 | 826.8 | 841.7 | 832.4 | 841.7 | 824.9 | 818.9 | 797.5 | 27.5° |
| 30° | 837.9 | 858.8 | 896.0 | 922.0 | 941.1 | 951.3 | 945.2 | 940.1 | 935.5 | 924.3 | 922.9 | 30° |
| 32.5° | 933.2 | 958.2 | 993.5 | 1027.5 | 1060.9 | 1095.7 | 1104.1 | 1111.5 | 1128.7 | 1094.8 | 1061.8 | 32.5° |
| 35° | 1050.7 | 1069.7 | 1109.2 | 1148.2 | 1194.2 | 1237.9 | 1309.9 | 1328.0 | 1304.8 | 1264.3 | 1211.4 | 35° |
| 37.5° | 1165.4 | 1208.6 | 1248.1 | 1294.5 | 1328.9 | 1379.1 | 1411.1 | 1446.9 | 1427.4 | 1389.8 | 1328.9 | 37.5° |
| 40° | 1306.1 | 1364.7 | 1418.6 | 1475.7 | 1514.7 | 1553.7 | 1614.1 | 1653.1 | 1649.4 | 1602.5 | 1520.3 | 40° |
| 42.5° | 1435.3 | 1528.2 | 1617.4 | 1660.1 | 1712.1 | 1782.7 | 1827.3 | 1889.5 | 1893.7 | 1839.4 | 1734.9 | 42.5° |
| 45° | 1570.4 | 1678.7 | 1787.4 | 1871.4 | 1915.6 | 2002.9 | 2105.1 | 2172.9 | 2193.8 | 2090.2 | 1983.4 | 45° |
| 47.5° | 1676.3 | 1845.0 | 1990.8 | 2080.5 | 2162.7 | 2252.8 | 2384.2 | 2482.2 | 2473.9 | 2334.1 | 2192.9 | 47.5° |
| 50° | 1769.2 | 1983.8 | 2160.3 | 2308.1 | 2406.5 | 2510.6 | 2683.8 | 2800.9 | 2760.0 | 2582.1 | 2405.6 | 50° |
| 52.5° | 1853.3 | 2105.1 | 2323.4 | 2506.4 | 2621.1 | 2769.8 | 2988.5 | 3090.7 | 2974.6 | 2802.7 | 2584.4 | 52.5° |
| 55° | 1930.4 | 2214.7 | 2468.3 | 2688.5 | 2865.4 | 3057.3 | 3262.6 | 3332.7 | 3167.4 | 2955.1 | 2754.4 | 55° |
| 57.5° | 2001.5 | 2316.4 | 2601.6 | 2865.9 | 3103.3 | 3332.3 | 3511.1 | 3515.7 | 3308.1 | 3072.6 | 2881.2 | 57.5° |
| 60° | 2087.0 | 2409.8 | 2741.0 | 3049.8 | 3339.2 | 3577.0 | 3681.6 | 3648.6 | 3398.7 | 3160.4 | 2968.6 | 60° |
| 62.5° | 2169.6 | 2493.8 | 2854.8 | 3226.8 | 3575.6 | 3783.3 | 3804.2 | 3734.5 | 3460.9 | 3201.3 | 3034.1 | 62.5° |
| 65° | 2210.5 | 2557.9 | 2918.4 | 3339.2 | 3760.5 | 3906.4 | 3880.8 | 3771.7 | 3486.0 | 3207.3 | 3050.8 | 65° |
| 67.5° | 2150.6 | 2498.0 | 2857.5 | 3290.4 | 3759.6 | 3898.5 | 3832.5 | 3700.6 | 3425.2 | 3125.1 | 2973.2 | 67.5° |
| 70° | 1930.0 | 2266.7 | 2559.8 | 2967.2 | 3494.8 | 3631.9 | 3532.9 | 3402.4 | 3172.0 | 2878.4 | 2809.2 | 70° |
| 72.5° | 1623.9 | 1873.8 | 2119.0 | 2420.0 | 2781.8 | 2901.7 | 2771.1 | 2836.2 | 2776.7 | 2492.5 | 2429.3 | 72.5° |
| 75° | 1218.8 | 1452.5 | 1548.1 | 1640.6 | 1890.5 | 1962.0 | 1911.8 | 2134.8 | 2195.6 | 2077.2 | 1916.0 | 75° |
| 77.5° | 797.5 | 1042.8 | 1060.4 | 1062.3 | 1164.5 | 1301.5 | 1483.1 | 1714.9 | 1830.1 | 1776.7 | 1581.1 | 77.5° |
| 80° | 465.0 | 734.8 | 657.3 | 632.2 | 722.7 | 875.6 | 1115.2 | 1405.5 | 1557.9 | 1569.0 | 1382.3 | 80° |
| 82.5° | 233.6 | 460.8 | 399.0 | 394.8 | 445.9 | 558.8 | 733.9 | 896.0 | 1094.3 | 1103.6 | 1128.2 | 82.5° |
| 85° | 181.6 | 316.8 | 324.2 | 351.6 | 387.4 | 434.3 | 447.3 | 476.1 | 586.7 | 688.8 | 715.3 | 85° |
| 87.5° | 94.3 | 233.2 | 275.0 | 320.0 | 315.9 | 258.7 | 218.3 | 235.5 | 274.0 | 288.9 | 375.3 | 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: P141593

NUMBER: EMM-F02-LED-E1-SLR-8030

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 | 473.8 |
| 473.3 | 474.2 | 473.8 | 474.2 | 474.7 | 474.7 | 474.2 |
| 472.9 | 472.4 | 470.5 | 469.6 | 469.6 | 468.7 | 468.2 |
| 470.1 | 466.8 | 462.2 | 459.4 | 457.5 | 456.1 | 453.8 |
| 470.5 | 465.0 | 458.9 | 454.7 | 450.6 | 447.8 | 445.0 |
| 476.6 | 469.6 | 464.0 | 457.5 | 454.3 | 450.6 | 447.3 |
| 497.5 | 488.2 | 481.7 | 475.6 | 471.9 | 469.1 | 466.3 |
| 530.9 | 519.8 | 509.1 | 503.5 | 497.0 | 492.4 | 491.9 |
| 576.0 | 559.7 | 545.8 | 533.2 | 527.2 | 519.8 | 518.4 |
| 627.1 | 603.4 | 588.5 | 574.6 | 566.2 | 557.4 | 557.9 |
| 692.1 | 668.4 | 644.2 | 629.8 | 617.8 | 619.2 | 617.8 |
| 770.1 | 751.5 | 723.7 | 706.0 | 702.3 | 687.9 | 677.2 |
| 891.8 | 864.0 | 830.0 | 798.5 | 778.5 | 754.8 | 732.5 |
| 1011.2 | 959.6 | 914.6 | 883.9 | 858.4 | 823.5 | 788.7 |
| 1129.2 | 1069.7 | 1027.9 | 1001.9 | 962.4 | 913.7 | 859.3 |
| 1269.5 | 1230.4 | 1200.7 | 1137.1 | 1080.9 | 1006.1 | 923.9 |
| 1472.0 | 1422.7 | 1351.7 | 1270.8 | 1189.6 | 1083.7 | 971.2 |
| 1673.6 | 1614.1 | 1514.7 | 1395.8 | 1279.2 | 1151.5 | 1008.4 |
| 1892.3 | 1777.6 | 1648.0 | 1504.0 | 1360.5 | 1202.1 | 1034.0 |
| 2064.7 | 1921.6 | 1760.0 | 1587.2 | 1425.1 | 1243.9 | 1056.3 |
| 2240.7 | 2067.9 | 1864.9 | 1670.3 | 1483.6 | 1277.8 | 1078.5 |
| 2379.1 | 2186.4 | 1972.2 | 1746.0 | 1537.9 | 1315.9 | 1109.2 |
| 2517.5 | 2304.3 | 2068.4 | 1821.7 | 1605.3 | 1368.9 | 1155.2 |
| 2632.7 | 2411.2 | 2161.3 | 1904.4 | 1683.3 | 1439.5 | 1230.4 |
| 2784.6 | 2561.2 | 2270.4 | 2002.4 | 1771.6 | 1535.6 | 1325.7 |
| 2929.1 | 2737.2 | 2422.3 | 2117.6 | 1879.3 | 1644.3 | 1433.9 |
| 3024.3 | 2936.0 | 2577.9 | 2233.3 | 1980.6 | 1746.0 | 1529.1 |
| 3026.2 | 3062.4 | 2741.9 | 2327.1 | 2075.3 | 1856.6 | 1607.1 |
| 2953.2 | 3080.0 | 2776.7 | 2335.5 | 2120.4 | 1905.8 | 1648.0 |
| 2701.0 | 2862.7 | 2568.2 | 2170.6 | 2036.8 | 1867.3 | 1603.0 |
| 2089.3 | 2206.3 | 2054.0 | 1839.8 | 1844.5 | 1745.6 | 1426.4 |
| 1446.4 | 1557.0 | 1428.8 | 1383.3 | 1485.0 | 1429.7 | 1065.1 |
| 1095.7 | 953.1 | 903.0 | 927.1 | 1053.9 | 1047.9 | 669.8 |
| 975.9 | 721.4 | 598.3 | 628.0 | 744.1 | 679.5 | 373.0 |
| 800.3 | 719.5 | 601.5 | 543.9 | 567.1 | 464.0 | 255.0 |
| 460.8 | 526.3 | 428.7 | 404.1 | 351.6 | 209.0 | 103.6 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)