

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: P141743

Luminaire Tested: **EMM-F01-LED-E1-T2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141743
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33682)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-F01-LED-E1-T2-8030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2054 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

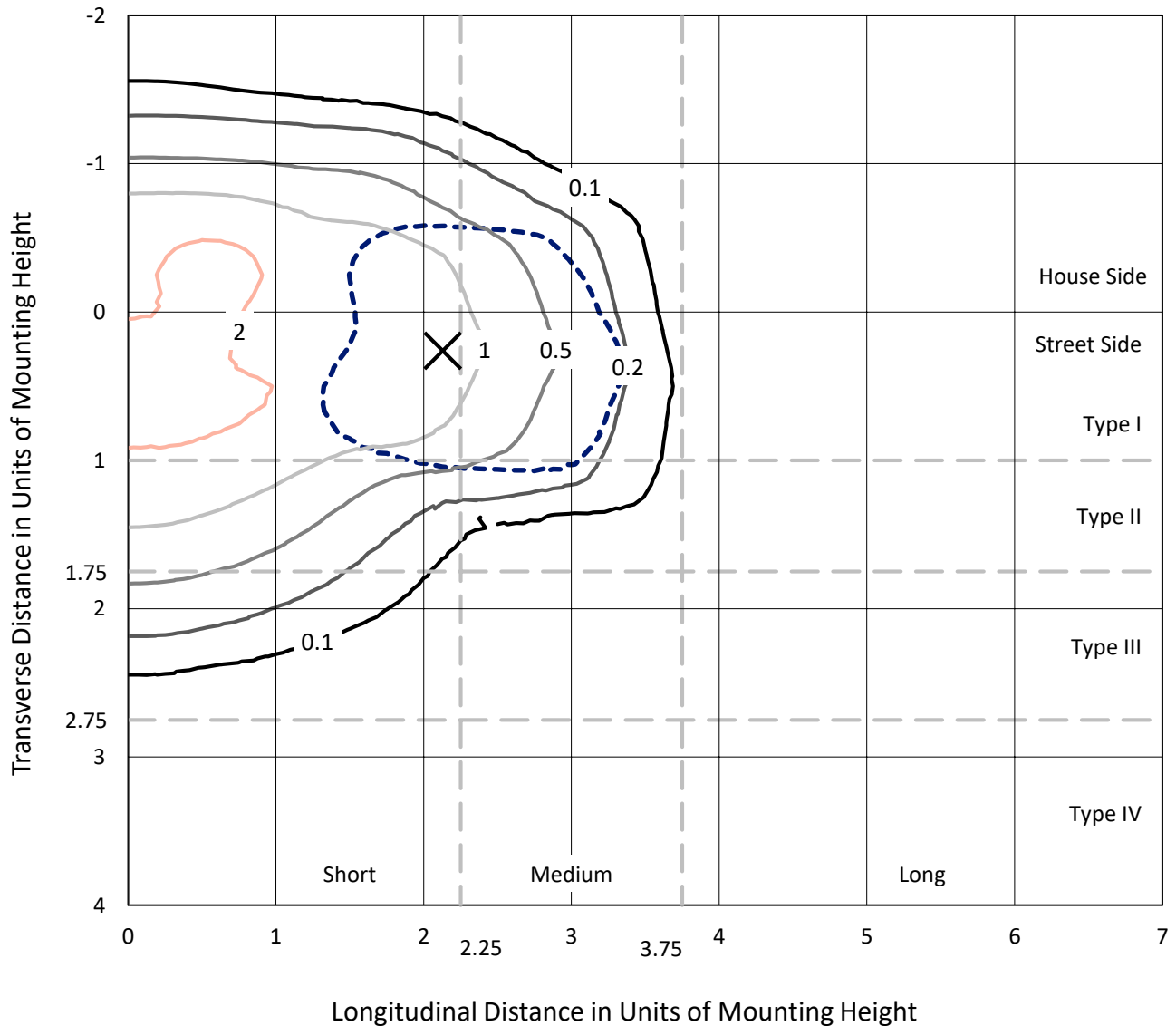
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141743
 CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

Iso-Footcandle Lines of Horizontal Illumination

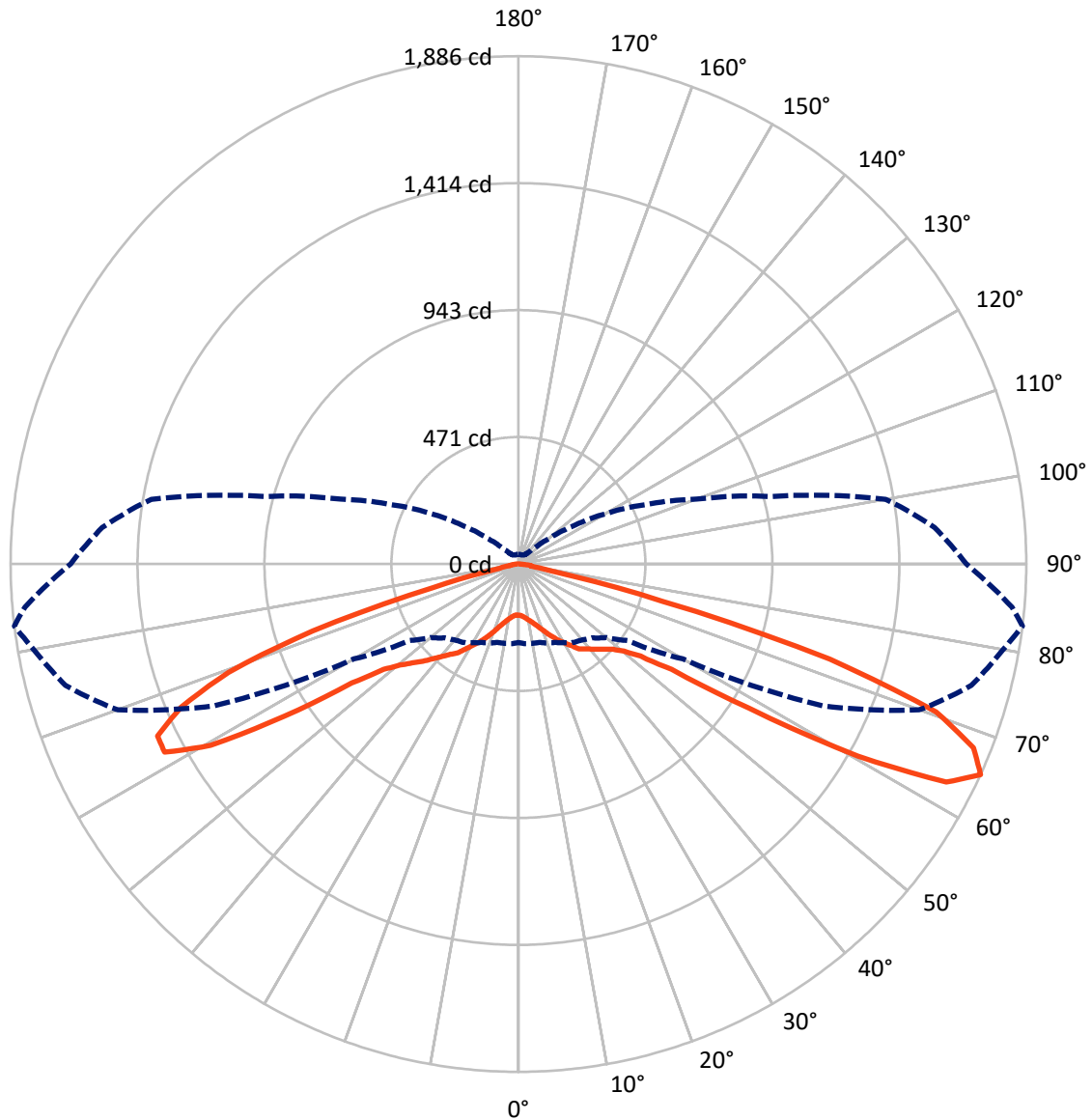
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P141743
CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P141743

CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 761.9 | 0.0 | 761.9 |
| | % Fixture | 37.1 | 0.0 | 37.1 |
| Street Side | Lumens | 1292.1 | 0.0 | 1292.1 |
| | % Fixture | 62.9 | 0.0 | 62.9 |
| Total | Lumens | 2054.0 | 0.0 | 2054.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.1 | 0.9 |
| 10°-20° | 67.0 | 3.3 |
| 20°-30° | 132.5 | 6.4 |
| 30°-40° | 228.0 | 11.1 |
| 40°-50° | 343.9 | 16.7 |
| 50°-60° | 478.6 | 23.3 |
| 60°-70° | 552.4 | 26.9 |
| 70°-80° | 200.7 | 9.8 |
| 80°-90° | 31.9 | 1.6 |
| 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° | 2054.0 | 100.0 |
| 0°-180° | 2054.0 | 100.0 |



REPORT NUMBER: P141743

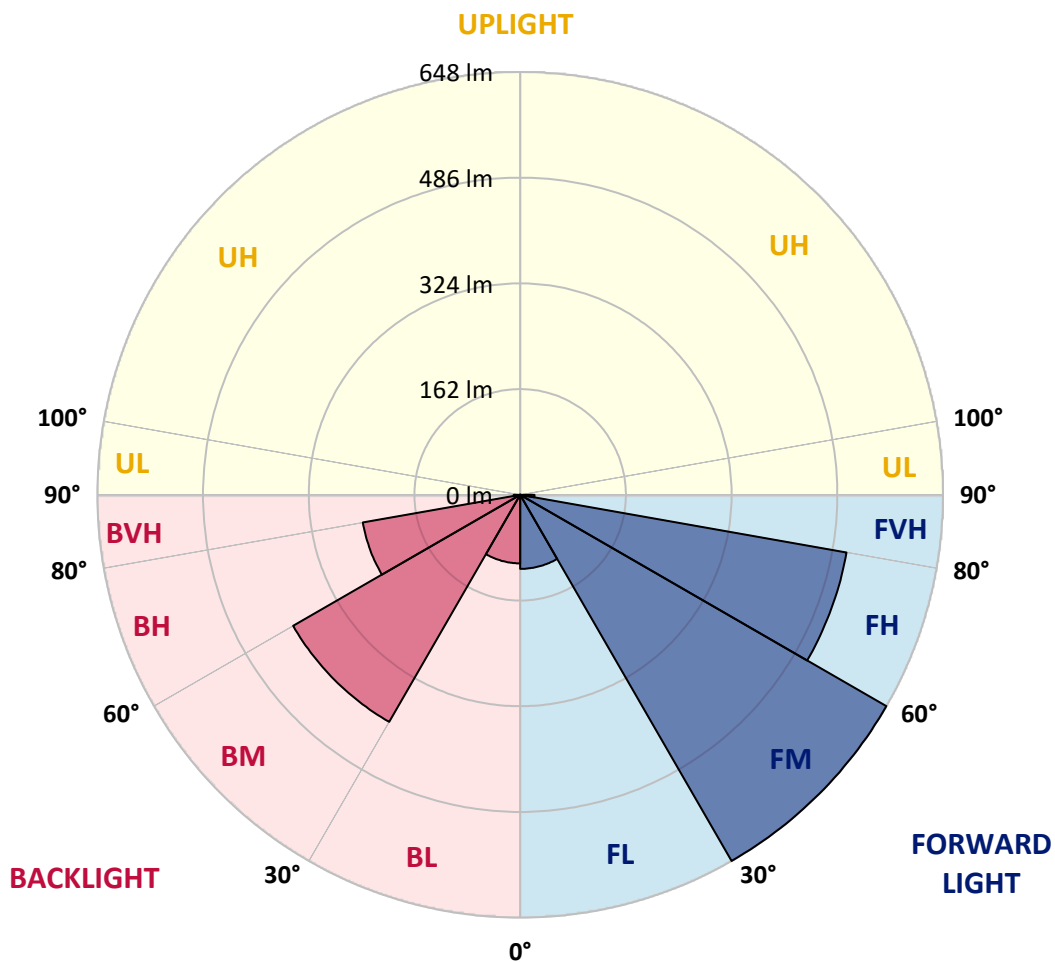
CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 113.6 | 5.5 | | | |
| FM (30°-60°) | 648.4 | 31.6 | | | |
| FH (60°-80°) | 508.2 | 24.7 | | | G0/660 |
| FVH (80°-90°) | 22.0 | 1.1 | | | G1/100 |
| BL (0°-30°) | 105.1 | 5.1 | B0/110 | | |
| BM (30°-60°) | 402.0 | 19.6 | B1/1000 | | |
| BH (60°-80°) | 245.0 | 11.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 9.9 | 0.5 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P141743

CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 |
| 2.5° | 199.5 | 200.0 | 199.5 | 199.5 | 199.3 | 199.0 | 199.0 | 198.8 | 198.3 | 197.9 | 197.6 |
| 5° | 210.4 | 210.6 | 209.9 | 209.9 | 210.2 | 209.9 | 209.3 | 209.5 | 207.6 | 206.9 | 206.5 |
| 7.5° | 222.5 | 223.2 | 222.3 | 221.8 | 221.6 | 221.1 | 220.4 | 219.2 | 217.8 | 216.7 | 216.0 |
| 10° | 236.2 | 236.9 | 236.4 | 235.5 | 234.1 | 233.4 | 232.7 | 230.9 | 229.2 | 227.4 | 226.0 |
| 12.5° | 252.5 | 252.7 | 252.2 | 250.4 | 249.4 | 247.3 | 245.0 | 242.9 | 240.6 | 237.8 | 235.5 |
| 15° | 268.5 | 268.7 | 268.0 | 266.2 | 265.0 | 262.4 | 259.2 | 256.4 | 252.5 | 249.2 | 246.2 |
| 17.5° | 280.8 | 281.2 | 279.9 | 278.5 | 276.8 | 273.6 | 270.6 | 267.3 | 263.1 | 259.7 | 256.6 |
| 20° | 285.0 | 285.7 | 284.7 | 284.0 | 283.1 | 281.5 | 278.5 | 275.7 | 272.0 | 269.4 | 267.1 |
| 22.5° | 283.1 | 283.8 | 283.3 | 283.3 | 283.3 | 283.1 | 281.7 | 281.0 | 278.7 | 277.5 | 277.1 |
| 25° | 280.3 | 281.0 | 280.6 | 281.0 | 281.9 | 283.1 | 283.1 | 284.5 | 284.3 | 286.1 | 287.3 |
| 27.5° | 287.5 | 288.0 | 286.8 | 286.8 | 287.8 | 289.6 | 289.1 | 291.9 | 292.4 | 296.1 | 299.6 |
| 30° | 312.6 | 312.6 | 310.7 | 308.9 | 309.6 | 309.1 | 308.7 | 310.5 | 310.5 | 314.0 | 315.6 |
| 32.5° | 350.0 | 347.4 | 347.2 | 347.0 | 345.3 | 346.5 | 342.8 | 343.0 | 341.4 | 341.9 | 341.2 |
| 35° | 391.1 | 390.9 | 389.9 | 389.5 | 388.8 | 392.3 | 389.5 | 391.8 | 386.0 | 383.9 | 380.0 |
| 37.5° | 427.1 | 428.0 | 428.7 | 432.2 | 433.8 | 440.8 | 442.4 | 443.6 | 437.5 | 437.8 | 429.0 |
| 40° | 463.3 | 464.5 | 467.0 | 473.3 | 478.0 | 484.5 | 487.5 | 492.4 | 492.8 | 493.8 | 487.3 |
| 42.5° | 502.8 | 501.0 | 504.4 | 512.3 | 518.1 | 524.6 | 528.6 | 537.6 | 542.8 | 545.3 | 546.2 |
| 45° | 534.6 | 532.5 | 534.2 | 538.8 | 544.2 | 552.5 | 561.1 | 574.6 | 585.5 | 597.3 | 603.8 |
| 47.5° | 551.1 | 551.6 | 552.7 | 555.5 | 559.2 | 567.4 | 579.5 | 596.6 | 614.3 | 633.3 | 650.3 |
| 50° | 556.5 | 556.7 | 558.3 | 561.1 | 564.6 | 573.2 | 585.7 | 605.2 | 626.6 | 653.3 | 679.3 |
| 52.5° | 558.1 | 557.2 | 558.8 | 560.2 | 562.5 | 569.7 | 581.5 | 602.0 | 626.1 | 658.4 | 697.0 |
| 55° | 552.0 | 550.9 | 553.7 | 555.5 | 557.4 | 563.2 | 572.3 | 591.1 | 616.1 | 652.8 | 703.2 |
| 57.5° | 528.8 | 529.1 | 533.0 | 537.9 | 542.8 | 550.7 | 562.5 | 580.4 | 605.2 | 641.5 | 697.9 |
| 60° | 489.6 | 488.9 | 493.8 | 499.8 | 508.2 | 520.7 | 535.3 | 553.4 | 574.1 | 604.3 | 659.8 |
| 62.5° | 418.3 | 421.1 | 422.7 | 431.7 | 432.2 | 450.1 | 459.6 | 477.7 | 495.4 | 518.6 | 568.5 |
| 65° | 291.2 | 297.3 | 298.9 | 301.2 | 312.1 | 321.4 | 336.8 | 355.8 | 367.4 | 387.8 | 425.0 |
| 67.5° | 181.4 | 185.8 | 186.0 | 192.1 | 201.6 | 212.3 | 224.1 | 243.4 | 261.0 | 264.3 | 282.9 |
| 70° | 150.5 | 150.7 | 154.0 | 158.4 | 165.8 | 176.7 | 188.4 | 201.8 | 217.8 | 228.1 | 226.2 |
| 72.5° | 124.7 | 126.1 | 128.4 | 132.8 | 141.0 | 150.7 | 165.6 | 182.8 | 202.8 | 223.2 | 241.3 |
| 75° | 83.6 | 85.9 | 86.6 | 88.7 | 92.7 | 101.5 | 112.6 | 128.9 | 154.7 | 185.1 | 223.7 |
| 77.5° | 44.4 | 44.8 | 46.4 | 48.1 | 50.2 | 55.5 | 62.7 | 71.1 | 88.0 | 114.3 | 159.6 |
| 80° | 22.5 | 23.5 | 24.6 | 25.8 | 25.5 | 26.9 | 29.0 | 32.7 | 38.6 | 50.2 | 72.2 |
| 82.5° | 8.1 | 10.5 | 13.7 | 15.3 | 15.3 | 15.8 | 16.5 | 17.2 | 16.7 | 18.6 | 23.2 |
| 85° | 3.7 | 4.2 | 5.3 | 8.4 | 8.6 | 8.6 | 8.6 | 9.1 | 8.6 | 7.7 | 9.1 |
| 87.5° | 0.0 | 0.7 | 0.7 | 2.1 | 2.3 | 2.1 | 2.3 | 3.0 | 2.3 | 1.9 | 1.6 |
| 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: P141743

CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 83° | 85° | 90° | 95° | 100° |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 |
| 2.5° | 196.5 | 196.0 | 194.9 | 194.4 | 193.0 | 192.1 | 191.6 | 191.1 | 190.4 | 189.5 | 188.8 |
| 5° | 205.1 | 203.7 | 202.1 | 201.1 | 199.3 | 197.4 | 196.7 | 195.8 | 194.2 | 192.8 | 191.1 |
| 7.5° | 214.1 | 212.5 | 210.6 | 208.6 | 206.7 | 204.6 | 203.7 | 202.8 | 200.4 | 198.6 | 196.2 |
| 10° | 223.9 | 221.6 | 219.5 | 217.6 | 216.0 | 213.7 | 212.0 | 211.3 | 209.3 | 206.5 | 204.1 |
| 12.5° | 233.2 | 230.6 | 228.5 | 226.2 | 224.6 | 222.7 | 221.1 | 220.4 | 218.8 | 216.2 | 214.4 |
| 15° | 242.9 | 240.4 | 238.1 | 236.4 | 234.6 | 233.4 | 232.5 | 231.3 | 230.6 | 228.5 | 227.6 |
| 17.5° | 253.4 | 251.1 | 249.0 | 247.6 | 246.9 | 246.6 | 246.4 | 245.9 | 245.3 | 243.9 | 243.2 |
| 20° | 265.2 | 263.1 | 262.4 | 262.2 | 262.4 | 262.7 | 263.1 | 263.1 | 263.4 | 262.4 | 262.2 |
| 22.5° | 276.6 | 276.6 | 277.8 | 279.2 | 280.6 | 281.5 | 282.2 | 281.2 | 281.5 | 282.9 | 284.0 |
| 25° | 289.1 | 291.2 | 294.3 | 296.6 | 298.7 | 300.3 | 301.2 | 301.7 | 302.2 | 304.2 | 306.3 |
| 27.5° | 302.6 | 305.9 | 310.3 | 313.3 | 317.2 | 319.8 | 321.7 | 321.4 | 322.1 | 324.9 | 328.6 |
| 30° | 319.3 | 322.6 | 327.2 | 331.4 | 336.8 | 340.5 | 341.2 | 340.7 | 341.6 | 344.2 | 351.6 |
| 32.5° | 342.8 | 343.5 | 346.5 | 350.7 | 356.5 | 360.2 | 360.9 | 362.1 | 364.2 | 368.8 | 377.9 |
| 35° | 375.8 | 372.8 | 372.5 | 374.4 | 380.0 | 387.2 | 387.8 | 388.5 | 389.5 | 395.5 | 407.6 |
| 37.5° | 420.4 | 408.1 | 400.6 | 394.8 | 395.5 | 398.1 | 399.5 | 399.9 | 402.2 | 411.5 | 432.0 |
| 40° | 476.3 | 453.3 | 436.9 | 420.4 | 414.3 | 414.8 | 415.3 | 414.8 | 419.4 | 433.8 | 460.5 |
| 42.5° | 537.6 | 517.4 | 488.6 | 454.5 | 437.3 | 431.7 | 432.4 | 432.9 | 440.1 | 461.0 | 490.7 |
| 45° | 602.7 | 589.7 | 556.2 | 502.8 | 465.9 | 451.7 | 451.3 | 452.2 | 464.0 | 493.5 | 524.9 |
| 47.5° | 659.8 | 663.1 | 638.4 | 575.7 | 512.3 | 476.3 | 473.3 | 474.9 | 494.2 | 525.8 | 557.6 |
| 50° | 705.1 | 726.5 | 724.6 | 674.9 | 587.6 | 518.8 | 508.2 | 510.5 | 533.2 | 566.0 | 594.5 |
| 52.5° | 739.2 | 782.7 | 810.5 | 790.8 | 714.9 | 595.9 | 568.3 | 564.4 | 592.9 | 627.5 | 645.2 |
| 55° | 762.0 | 832.4 | 905.5 | 939.7 | 908.8 | 762.5 | 690.2 | 681.6 | 712.5 | 756.7 | 764.3 |
| 57.5° | 777.1 | 892.8 | 1050.2 | 1182.1 | 1224.2 | 1098.8 | 1008.2 | 972.2 | 994.7 | 1041.4 | 1031.4 |
| 60° | 752.0 | 916.7 | 1224.9 | 1461.3 | 1580.9 | 1549.8 | 1449.0 | 1394.6 | 1352.6 | 1349.1 | 1293.6 |
| 62.5° | 655.9 | 859.8 | 1295.7 | 1594.1 | 1762.3 | 1801.1 | 1783.2 | 1718.8 | 1602.5 | 1537.9 | 1412.5 |
| 65° | 494.7 | 704.4 | 1245.3 | 1583.9 | 1741.6 | 1827.5 | 1885.8 | 1839.6 | 1663.1 | 1551.4 | 1384.6 |
| 67.5° | 316.1 | 454.7 | 1035.8 | 1461.1 | 1609.2 | 1705.8 | 1822.4 | 1801.3 | 1575.8 | 1433.2 | 1251.8 |
| 70° | 230.9 | 252.0 | 702.8 | 1236.7 | 1399.7 | 1484.7 | 1645.0 | 1635.7 | 1381.9 | 1221.6 | 1041.9 |
| 72.5° | 265.9 | 187.9 | 385.3 | 923.9 | 1050.0 | 1116.9 | 1208.6 | 1186.1 | 965.4 | 854.2 | 726.9 |
| 75° | 299.8 | 210.2 | 217.1 | 548.1 | 586.7 | 539.7 | 552.3 | 479.6 | 374.1 | 331.6 | 326.8 |
| 77.5° | 252.5 | 263.6 | 196.9 | 235.5 | 216.9 | 156.3 | 117.1 | 91.7 | 71.8 | 77.1 | 85.7 |
| 80° | 146.8 | 296.3 | 260.6 | 122.6 | 137.5 | 109.4 | 48.8 | 40.4 | 33.4 | 33.9 | 34.4 |
| 82.5° | 45.3 | 185.1 | 366.7 | 149.8 | 136.1 | 154.2 | 44.8 | 27.4 | 22.1 | 24.9 | 28.1 |
| 85° | 15.1 | 77.6 | 294.0 | 157.2 | 88.0 | 82.2 | 19.7 | 13.5 | 11.1 | 15.6 | 22.1 |
| 87.5° | 3.7 | 18.8 | 54.6 | 20.7 | 13.0 | 7.9 | 6.7 | 4.9 | 5.3 | 9.8 | 13.7 |
| 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: P141743

CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 |
| 2.5° | 188.4 | 187.7 | 187.0 | 186.5 | 185.8 | 185.8 | 185.1 | 185.1 | 184.2 | 183.7 | 183.7 |
| 5° | 189.7 | 188.4 | 187.2 | 186.0 | 184.9 | 184.4 | 183.5 | 183.0 | 182.1 | 181.4 | 180.9 |
| 7.5° | 194.4 | 192.5 | 191.1 | 189.7 | 188.4 | 187.7 | 186.7 | 185.8 | 185.6 | 185.1 | 184.6 |
| 10° | 202.3 | 199.7 | 198.6 | 197.6 | 195.8 | 195.3 | 194.4 | 193.7 | 193.0 | 192.3 | 192.5 |
| 12.5° | 212.5 | 210.6 | 210.2 | 208.3 | 207.9 | 207.2 | 205.8 | 205.3 | 203.4 | 202.1 | 201.4 |
| 15° | 225.5 | 224.8 | 224.8 | 223.9 | 222.5 | 221.3 | 219.2 | 218.1 | 214.8 | 212.7 | 210.4 |
| 17.5° | 242.7 | 242.0 | 242.2 | 241.3 | 239.7 | 237.6 | 235.3 | 231.8 | 226.9 | 223.2 | 218.5 |
| 20° | 262.7 | 262.4 | 262.9 | 262.2 | 260.1 | 257.3 | 251.8 | 246.6 | 239.9 | 233.2 | 228.1 |
| 22.5° | 285.0 | 286.1 | 286.6 | 284.7 | 282.4 | 276.6 | 270.6 | 263.1 | 254.1 | 245.3 | 238.1 |
| 25° | 308.7 | 311.4 | 313.1 | 310.5 | 307.7 | 300.3 | 291.2 | 281.2 | 268.5 | 257.8 | 248.3 |
| 27.5° | 331.9 | 337.7 | 340.0 | 338.6 | 334.2 | 323.7 | 311.7 | 298.4 | 282.9 | 268.7 | 256.4 |
| 30° | 359.5 | 367.2 | 371.4 | 369.3 | 360.7 | 347.0 | 332.3 | 314.5 | 294.7 | 277.8 | 262.9 |
| 32.5° | 388.5 | 398.1 | 401.1 | 396.7 | 384.1 | 366.9 | 347.9 | 326.1 | 303.8 | 284.3 | 267.5 |
| 35° | 420.8 | 429.7 | 430.4 | 421.8 | 405.3 | 383.4 | 359.7 | 333.5 | 308.0 | 286.1 | 267.8 |
| 37.5° | 448.9 | 457.8 | 457.1 | 444.3 | 424.3 | 397.1 | 366.9 | 335.1 | 305.4 | 280.6 | 260.6 |
| 40° | 478.4 | 488.2 | 482.8 | 466.3 | 440.6 | 406.0 | 367.9 | 329.6 | 295.6 | 268.5 | 246.6 |
| 42.5° | 509.5 | 513.7 | 504.2 | 483.5 | 450.3 | 405.7 | 360.0 | 316.3 | 280.3 | 250.1 | 227.1 |
| 45° | 538.1 | 534.9 | 521.2 | 493.5 | 449.6 | 395.7 | 344.4 | 299.8 | 259.9 | 229.7 | 207.2 |
| 47.5° | 563.7 | 553.4 | 532.3 | 493.5 | 438.7 | 378.1 | 324.4 | 278.5 | 238.7 | 208.3 | 186.0 |
| 50° | 591.3 | 569.9 | 537.0 | 484.9 | 419.0 | 356.7 | 303.3 | 257.1 | 216.2 | 185.1 | 160.7 |
| 52.5° | 628.0 | 589.7 | 537.0 | 469.4 | 398.5 | 335.1 | 281.0 | 232.2 | 190.0 | 157.5 | 133.3 |
| 55° | 713.9 | 631.0 | 546.2 | 460.8 | 380.4 | 312.4 | 254.5 | 200.2 | 159.1 | 128.0 | 108.0 |
| 57.5° | 882.8 | 721.6 | 592.9 | 476.6 | 373.7 | 287.8 | 220.4 | 164.7 | 125.6 | 99.6 | 82.9 |
| 60° | 1023.3 | 794.7 | 630.8 | 488.6 | 362.8 | 255.9 | 178.6 | 126.1 | 93.4 | 73.6 | 62.7 |
| 62.5° | 1059.5 | 795.7 | 615.2 | 457.3 | 318.6 | 208.3 | 131.7 | 86.9 | 64.1 | 53.4 | 47.6 |
| 65° | 968.9 | 703.7 | 523.2 | 373.0 | 242.7 | 144.7 | 82.4 | 52.7 | 42.7 | 39.0 | 36.7 |
| 67.5° | 814.5 | 560.6 | 387.8 | 260.1 | 153.0 | 79.7 | 46.2 | 36.2 | 32.5 | 31.4 | 30.2 |
| 70° | 624.7 | 393.9 | 252.5 | 152.4 | 80.1 | 41.3 | 33.0 | 29.7 | 28.1 | 27.4 | 26.5 |
| 72.5° | 385.1 | 232.7 | 137.3 | 73.2 | 39.9 | 31.6 | 29.5 | 28.3 | 26.2 | 25.3 | 24.4 |
| 75° | 163.5 | 99.9 | 56.9 | 37.2 | 32.0 | 30.2 | 28.6 | 27.2 | 25.5 | 24.2 | 23.2 |
| 77.5° | 55.0 | 38.1 | 33.7 | 32.5 | 32.0 | 30.2 | 28.1 | 26.2 | 24.6 | 23.0 | 22.1 |
| 80° | 33.4 | 30.4 | 31.1 | 30.9 | 32.0 | 30.0 | 27.2 | 25.1 | 23.2 | 21.6 | 20.4 |
| 82.5° | 29.0 | 28.8 | 29.5 | 30.2 | 31.8 | 28.8 | 25.5 | 22.5 | 20.2 | 18.6 | 17.4 |
| 85° | 25.1 | 25.5 | 26.0 | 26.5 | 27.4 | 24.4 | 20.7 | 17.9 | 16.0 | 13.9 | 13.0 |
| 87.5° | 16.7 | 18.1 | 19.0 | 19.3 | 18.6 | 11.6 | 6.7 | 7.9 | 8.1 | 7.0 | 6.3 |
| 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: P141743

CATALOG NUMBER: EMM-F01-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 190.2 | 190.2 | 190.2 | 190.2 | 190.2 |
| 2.5° | 183.0 | 182.8 | 183.5 | 182.8 | 182.8 |
| 5° | 180.7 | 180.5 | 180.5 | 180.5 | 180.0 |
| 7.5° | 184.4 | 184.2 | 183.9 | 183.9 | 183.7 |
| 10° | 191.6 | 191.4 | 191.4 | 191.1 | 191.1 |
| 12.5° | 200.2 | 199.3 | 199.0 | 198.6 | 198.8 |
| 15° | 208.6 | 206.0 | 205.3 | 204.6 | 203.9 |
| 17.5° | 215.1 | 212.0 | 210.4 | 209.0 | 209.0 |
| 20° | 223.2 | 219.2 | 217.1 | 215.1 | 215.1 |
| 22.5° | 232.5 | 227.1 | 224.3 | 222.0 | 221.1 |
| 25° | 240.1 | 233.4 | 229.5 | 226.7 | 226.0 |
| 27.5° | 245.9 | 237.4 | 232.2 | 229.0 | 228.1 |
| 30° | 250.6 | 240.8 | 234.8 | 231.3 | 229.9 |
| 32.5° | 253.6 | 242.9 | 236.4 | 232.9 | 231.5 |
| 35° | 252.0 | 240.6 | 232.7 | 228.5 | 227.6 |
| 37.5° | 243.9 | 231.8 | 222.5 | 218.1 | 216.5 |
| 40° | 229.0 | 216.0 | 206.2 | 200.9 | 200.0 |
| 42.5° | 209.5 | 196.5 | 187.2 | 181.6 | 179.1 |
| 45° | 188.6 | 175.1 | 166.3 | 161.2 | 158.2 |
| 47.5° | 166.1 | 152.8 | 143.8 | 138.7 | 136.6 |
| 50° | 142.4 | 129.6 | 121.9 | 116.4 | 114.3 |
| 52.5° | 117.7 | 106.4 | 98.7 | 94.1 | 91.7 |
| 55° | 94.3 | 85.0 | 78.5 | 75.5 | 73.9 |
| 57.5° | 73.6 | 67.6 | 63.9 | 62.0 | 60.8 |
| 60° | 57.1 | 54.1 | 52.7 | 51.3 | 51.6 |
| 62.5° | 44.6 | 43.9 | 43.4 | 42.7 | 43.0 |
| 65° | 36.0 | 35.5 | 35.8 | 35.5 | 35.8 |
| 67.5° | 29.5 | 29.7 | 30.2 | 30.2 | 30.4 |
| 70° | 26.0 | 26.2 | 26.7 | 26.7 | 26.7 |
| 72.5° | 24.2 | 24.6 | 25.1 | 24.9 | 24.9 |
| 75° | 22.8 | 23.9 | 24.9 | 23.9 | 23.0 |
| 77.5° | 21.4 | 24.2 | 26.7 | 24.6 | 22.1 |
| 80° | 19.5 | 25.5 | 28.6 | 24.9 | 21.1 |
| 82.5° | 18.6 | 24.6 | 25.1 | 21.6 | 18.6 |
| 85° | 17.2 | 27.9 | 29.0 | 19.7 | 14.2 |
| 87.5° | 8.8 | 16.7 | 19.3 | 13.2 | 7.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)