

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P141785

Luminaire Tested: **CEM-F01-LED-E-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141785
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33682)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CEM-F01-LED-E-U-T2
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2433.7 lumens
Efficiency: N/A
Efficacy: 94.0 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 (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

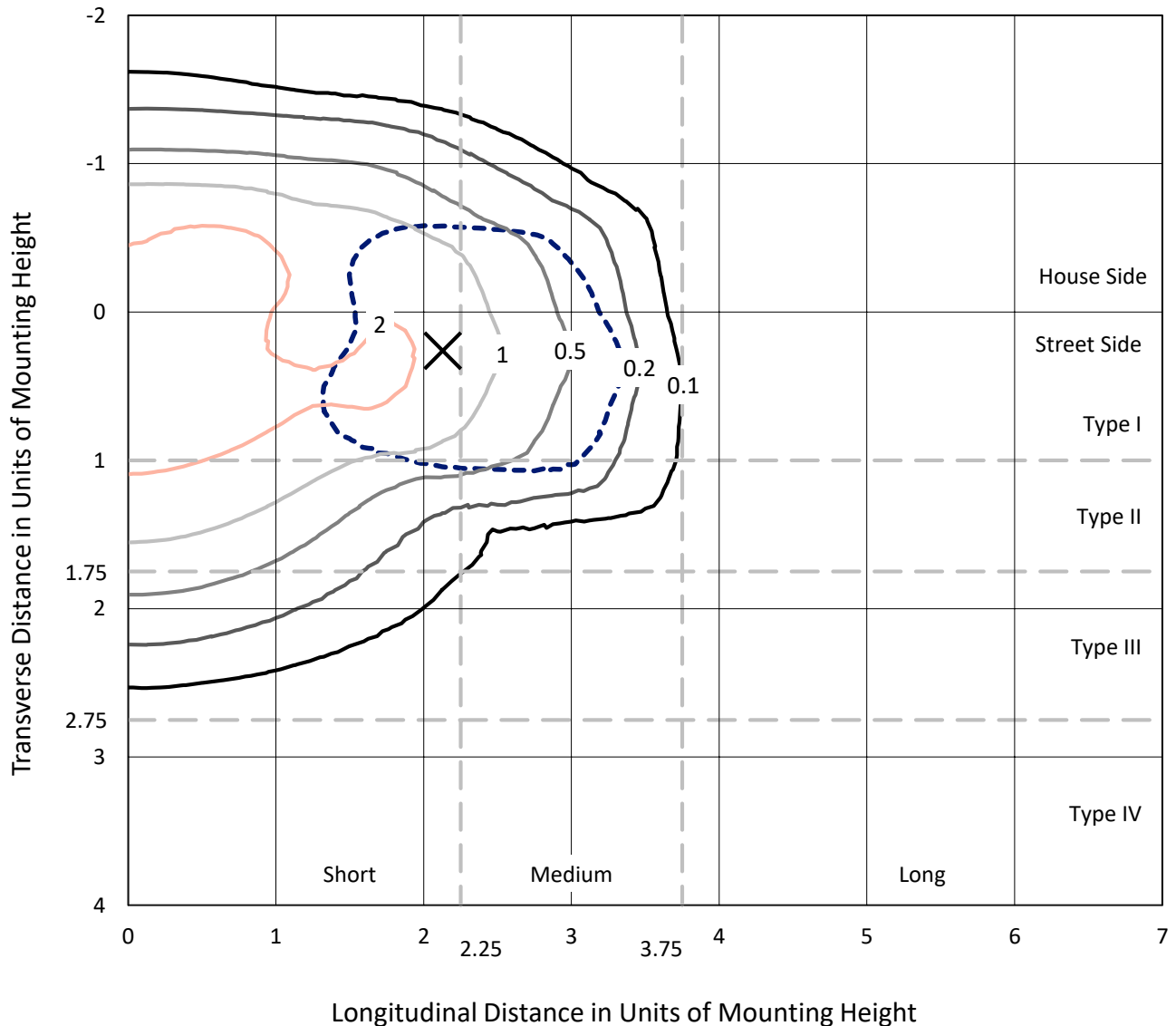


REPORT NUMBER: P141785

CATALOG NUMBER: CEM-F01-LED-E-U-T2

Iso-Footcandle Lines of Horizontal Illumination

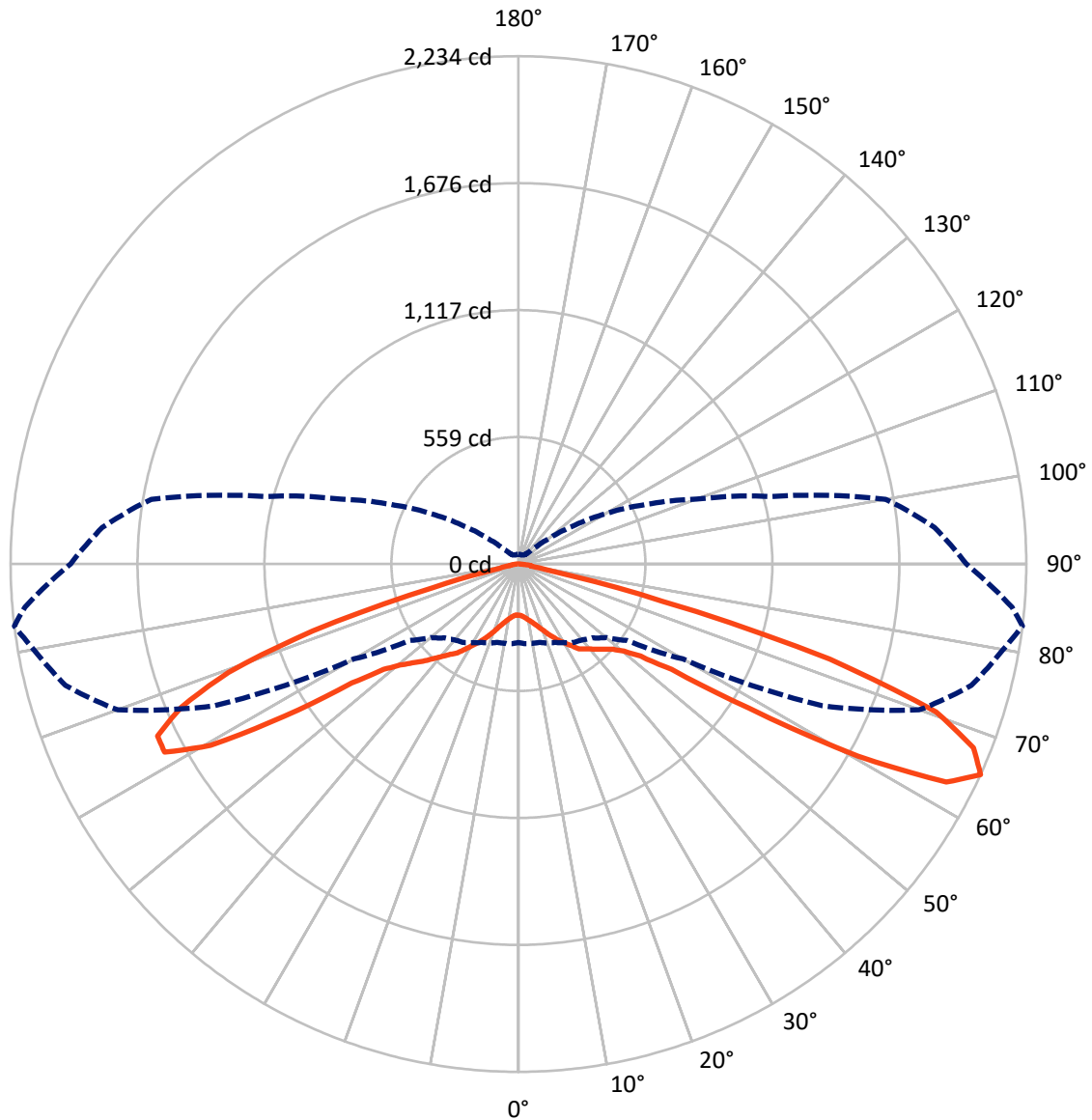
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P141785
CATALOG NUMBER: CEM-F01-LED-E-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P141785

CATALOG NUMBER: CEM-F01-LED-E-U-T2

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 902.7 | 0.0 | 902.7 |
| | % Fixture | 37.1 | 0.0 | 37.1 |
| Street Side | Lumens | 1531.0 | 0.0 | 1531.0 |
| | % Fixture | 62.9 | 0.0 | 62.9 |
| Total | Lumens | 2433.7 | 0.0 | 2433.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 22.7 | 0.9 |
| 10°-20° | 79.4 | 3.3 |
| 20°-30° | 156.9 | 6.4 |
| 30°-40° | 270.1 | 11.1 |
| 40°-50° | 407.5 | 16.7 |
| 50°-60° | 567.0 | 23.3 |
| 60°-70° | 654.5 | 26.9 |
| 70°-80° | 237.8 | 9.8 |
| 80°-90° | 37.8 | 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° | 2433.7 | 100.0 |
| 0°-180° | 2433.7 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P141785

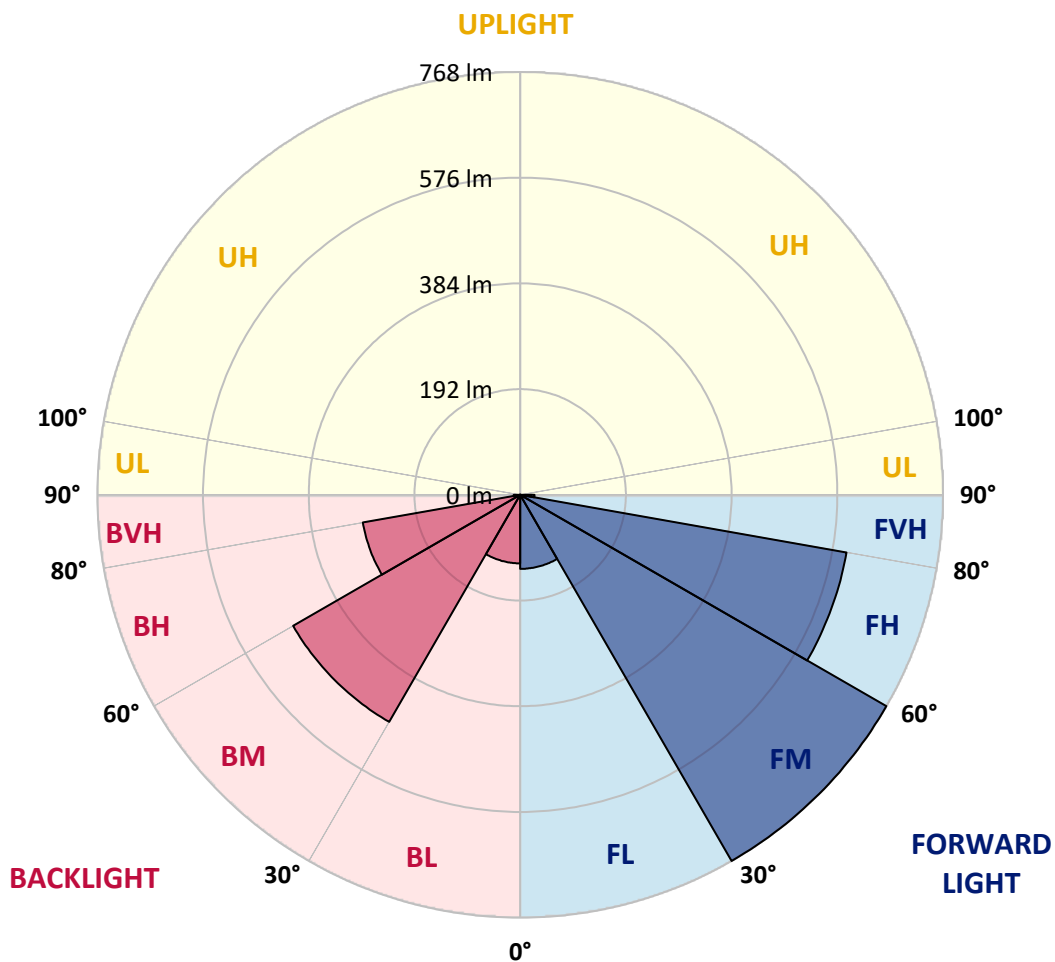
CATALOG NUMBER: CEM-F01-LED-E-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 134.5 | 5.5 | | | |
| FM | (30°-60°) | 768.3 | 31.6 | | | |
| FH | (60°-80°) | 602.1 | 24.7 | | | G0/660 |
| FVH | (80°-90°) | 26.1 | 1.1 | | | G1/100 |
| BL | (0°-30°) | 124.5 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 476.3 | 19.6 | B1/1000 | | |
| BH | (60°-80°) | 290.2 | 11.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 11.7 | 0.5 | | | G1/100 |
| 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: P141785

CATALOG NUMBER: CEM-F01-LED-E-U-T2

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 |
| 2.5° | 236.4 | 236.9 | 236.4 | 236.4 | 236.1 | 235.8 | 235.8 | 235.5 | 235.0 | 234.4 | 234.2 |
| 5° | 249.3 | 249.6 | 248.8 | 248.8 | 249.0 | 248.8 | 247.9 | 248.2 | 246.0 | 245.2 | 244.6 |
| 7.5° | 263.6 | 264.4 | 263.3 | 262.8 | 262.5 | 262.0 | 261.1 | 259.8 | 258.1 | 256.7 | 255.9 |
| 10° | 279.9 | 280.7 | 280.1 | 279.0 | 277.4 | 276.6 | 275.7 | 273.5 | 271.6 | 269.4 | 267.7 |
| 12.5° | 299.1 | 299.4 | 298.8 | 296.6 | 295.5 | 293.1 | 290.3 | 287.8 | 285.1 | 281.8 | 279.0 |
| 15° | 318.1 | 318.4 | 317.6 | 315.4 | 314.0 | 310.9 | 307.1 | 303.8 | 299.1 | 295.3 | 291.7 |
| 17.5° | 332.7 | 333.2 | 331.6 | 329.9 | 328.0 | 324.2 | 320.6 | 316.7 | 311.8 | 307.6 | 304.1 |
| 20° | 337.6 | 338.5 | 337.4 | 336.5 | 335.4 | 333.5 | 329.9 | 326.6 | 322.2 | 319.2 | 316.5 |
| 22.5° | 335.4 | 336.3 | 335.7 | 335.7 | 335.7 | 335.4 | 333.8 | 333.0 | 330.2 | 328.8 | 328.3 |
| 25° | 332.1 | 333.0 | 332.4 | 333.0 | 334.1 | 335.4 | 335.4 | 337.1 | 336.8 | 339.0 | 340.4 |
| 27.5° | 340.7 | 341.2 | 339.8 | 339.8 | 340.9 | 343.1 | 342.6 | 345.9 | 346.4 | 350.8 | 355.0 |
| 30° | 370.4 | 370.4 | 368.2 | 366.0 | 366.8 | 366.3 | 365.7 | 367.9 | 367.9 | 372.0 | 374.0 |
| 32.5° | 414.7 | 411.7 | 411.4 | 411.1 | 409.2 | 410.6 | 406.2 | 406.4 | 404.5 | 405.1 | 404.2 |
| 35° | 463.4 | 463.1 | 462.0 | 461.5 | 460.6 | 464.8 | 461.5 | 464.2 | 457.3 | 454.9 | 450.2 |
| 37.5° | 506.0 | 507.1 | 508.0 | 512.1 | 514.0 | 522.3 | 524.2 | 525.6 | 518.4 | 518.7 | 508.2 |
| 40° | 549.0 | 550.3 | 553.4 | 560.8 | 566.3 | 574.0 | 577.6 | 583.4 | 583.9 | 585.0 | 577.3 |
| 42.5° | 595.8 | 593.6 | 597.7 | 607.0 | 613.9 | 621.6 | 626.3 | 637.0 | 643.1 | 646.1 | 647.2 |
| 45° | 633.5 | 631.0 | 632.9 | 638.4 | 644.7 | 654.6 | 664.8 | 680.8 | 693.7 | 707.8 | 715.5 |
| 47.5° | 653.0 | 653.5 | 654.9 | 658.2 | 662.6 | 672.3 | 686.6 | 706.9 | 727.8 | 750.4 | 770.5 |
| 50° | 659.3 | 659.6 | 661.5 | 664.8 | 669.0 | 679.1 | 694.0 | 717.1 | 742.4 | 774.1 | 804.9 |
| 52.5° | 661.2 | 660.1 | 662.1 | 663.7 | 666.5 | 675.0 | 689.0 | 713.3 | 741.9 | 780.1 | 825.8 |
| 55° | 654.1 | 652.7 | 656.0 | 658.2 | 660.4 | 667.3 | 678.0 | 700.3 | 730.0 | 773.5 | 833.2 |
| 57.5° | 626.6 | 626.8 | 631.5 | 637.3 | 643.1 | 652.4 | 666.5 | 687.7 | 717.1 | 760.0 | 826.9 |
| 60° | 580.1 | 579.2 | 585.0 | 592.2 | 602.1 | 616.9 | 634.3 | 655.7 | 680.2 | 716.0 | 781.8 |
| 62.5° | 495.6 | 498.9 | 500.8 | 511.6 | 512.1 | 533.3 | 544.6 | 566.0 | 586.9 | 614.5 | 673.6 |
| 65° | 345.1 | 352.2 | 354.2 | 356.9 | 369.8 | 380.8 | 399.0 | 421.6 | 435.3 | 459.5 | 503.6 |
| 67.5° | 214.9 | 220.1 | 220.4 | 227.6 | 238.9 | 251.5 | 265.5 | 288.4 | 309.3 | 313.1 | 335.2 |
| 70° | 178.3 | 178.6 | 182.4 | 187.7 | 196.5 | 209.4 | 223.2 | 239.1 | 258.1 | 270.2 | 268.0 |
| 72.5° | 147.8 | 149.4 | 152.2 | 157.4 | 167.0 | 178.6 | 196.2 | 216.6 | 240.2 | 264.4 | 285.9 |
| 75° | 99.1 | 101.8 | 102.6 | 105.1 | 109.8 | 120.3 | 133.5 | 152.7 | 183.3 | 219.3 | 265.0 |
| 77.5° | 52.6 | 53.1 | 55.0 | 57.0 | 59.4 | 65.8 | 74.3 | 84.2 | 104.3 | 135.4 | 189.0 |
| 80° | 26.7 | 27.8 | 29.2 | 30.5 | 30.3 | 31.9 | 34.4 | 38.8 | 45.7 | 59.4 | 85.6 |
| 82.5° | 9.6 | 12.4 | 16.2 | 18.2 | 18.2 | 18.7 | 19.5 | 20.4 | 19.8 | 22.0 | 27.5 |
| 85° | 4.4 | 5.0 | 6.3 | 9.9 | 10.2 | 10.2 | 10.2 | 10.7 | 10.2 | 9.1 | 10.7 |
| 87.5° | 0.0 | 0.8 | 0.8 | 2.5 | 2.8 | 2.5 | 2.8 | 3.6 | 2.8 | 2.2 | 1.9 |
| 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: P141785

CATALOG NUMBER: CEM-F01-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 83° | 85° | 90° | 95° | 100° |
|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 |
| 2.5° | 232.8 | 232.2 | 230.9 | 230.3 | 228.7 | 227.6 | 227.0 | 226.5 | 225.6 | 224.5 | 223.7 |
| 5° | 243.0 | 241.3 | 239.4 | 238.3 | 236.1 | 233.9 | 233.1 | 232.0 | 230.0 | 228.4 | 226.5 |
| 7.5° | 253.7 | 251.8 | 249.6 | 247.1 | 244.9 | 242.4 | 241.3 | 240.2 | 237.5 | 235.3 | 232.5 |
| 10° | 265.3 | 262.5 | 260.0 | 257.8 | 255.9 | 253.2 | 251.2 | 250.4 | 247.9 | 244.6 | 241.9 |
| 12.5° | 276.3 | 273.2 | 270.8 | 268.0 | 266.1 | 263.9 | 262.0 | 261.1 | 259.2 | 256.2 | 254.0 |
| 15° | 287.8 | 284.8 | 282.1 | 280.1 | 277.9 | 276.6 | 275.5 | 274.1 | 273.2 | 270.8 | 269.7 |
| 17.5° | 300.2 | 297.5 | 295.0 | 293.3 | 292.5 | 292.2 | 292.0 | 291.4 | 290.6 | 288.9 | 288.1 |
| 20° | 314.2 | 311.8 | 310.9 | 310.7 | 310.9 | 311.2 | 311.8 | 311.8 | 312.0 | 310.9 | 310.7 |
| 22.5° | 327.7 | 327.7 | 329.1 | 330.8 | 332.4 | 333.5 | 334.3 | 333.2 | 333.5 | 335.2 | 336.5 |
| 25° | 342.6 | 345.1 | 348.6 | 351.4 | 353.9 | 355.8 | 356.9 | 357.5 | 358.0 | 360.5 | 363.0 |
| 27.5° | 358.6 | 362.4 | 367.6 | 371.2 | 375.9 | 378.9 | 381.1 | 380.8 | 381.7 | 385.0 | 389.4 |
| 30° | 378.4 | 382.2 | 387.7 | 392.7 | 399.0 | 403.4 | 404.2 | 403.7 | 404.8 | 407.8 | 416.6 |
| 32.5° | 406.2 | 407.0 | 410.6 | 415.5 | 422.4 | 426.8 | 427.6 | 429.0 | 431.5 | 437.0 | 447.7 |
| 35° | 445.2 | 441.7 | 441.4 | 443.6 | 450.2 | 458.7 | 459.5 | 460.4 | 461.5 | 468.6 | 482.9 |
| 37.5° | 498.1 | 483.5 | 474.7 | 467.8 | 468.6 | 471.6 | 473.3 | 473.9 | 476.6 | 487.6 | 511.8 |
| 40° | 564.4 | 537.1 | 517.6 | 498.1 | 490.9 | 491.5 | 492.0 | 491.5 | 497.0 | 514.0 | 545.7 |
| 42.5° | 637.0 | 613.1 | 579.0 | 538.5 | 518.2 | 511.6 | 512.4 | 512.9 | 521.5 | 546.2 | 581.4 |
| 45° | 714.1 | 698.7 | 659.0 | 595.8 | 552.0 | 535.2 | 534.7 | 535.8 | 549.8 | 584.7 | 621.9 |
| 47.5° | 781.8 | 785.6 | 756.5 | 682.2 | 607.0 | 564.4 | 560.8 | 562.7 | 585.6 | 623.0 | 660.7 |
| 50° | 835.4 | 860.7 | 858.5 | 799.7 | 696.2 | 614.7 | 602.1 | 604.8 | 631.8 | 670.6 | 704.4 |
| 52.5° | 875.9 | 927.3 | 960.4 | 937.0 | 847.0 | 706.1 | 673.4 | 668.7 | 702.5 | 743.5 | 764.4 |
| 55° | 902.8 | 986.2 | 1072.9 | 1113.4 | 1076.8 | 903.4 | 817.8 | 807.6 | 844.2 | 896.5 | 905.6 |
| 57.5° | 920.7 | 1057.8 | 1244.3 | 1400.6 | 1450.4 | 1301.9 | 1194.5 | 1151.9 | 1178.6 | 1233.9 | 1222.1 |
| 60° | 891.0 | 1086.1 | 1451.3 | 1731.4 | 1873.1 | 1836.2 | 1716.8 | 1652.4 | 1602.6 | 1598.5 | 1532.7 |
| 62.5° | 777.1 | 1018.7 | 1535.2 | 1888.8 | 2088.0 | 2134.0 | 2112.8 | 2036.6 | 1898.7 | 1822.2 | 1673.6 |
| 65° | 586.1 | 834.6 | 1475.5 | 1876.7 | 2063.5 | 2165.4 | 2234.4 | 2179.7 | 1970.5 | 1838.2 | 1640.6 |
| 67.5° | 374.5 | 538.8 | 1227.3 | 1731.1 | 1906.7 | 2021.2 | 2159.3 | 2134.3 | 1867.1 | 1698.1 | 1483.2 |
| 70° | 273.5 | 298.6 | 832.7 | 1465.3 | 1658.5 | 1759.2 | 1949.1 | 1938.1 | 1637.3 | 1447.4 | 1234.4 |
| 72.5° | 315.1 | 222.6 | 456.5 | 1094.6 | 1244.1 | 1323.3 | 1432.0 | 1405.3 | 1143.9 | 1012.1 | 861.3 |
| 75° | 355.3 | 249.0 | 257.3 | 649.4 | 695.1 | 639.5 | 654.4 | 568.2 | 443.3 | 392.9 | 387.2 |
| 77.5° | 299.1 | 312.3 | 233.3 | 279.0 | 257.0 | 185.2 | 138.7 | 108.7 | 85.0 | 91.4 | 101.5 |
| 80° | 173.9 | 351.1 | 308.7 | 145.3 | 162.9 | 129.6 | 57.8 | 47.9 | 39.6 | 40.2 | 40.7 |
| 82.5° | 53.7 | 219.3 | 434.5 | 177.5 | 161.3 | 182.7 | 53.1 | 32.5 | 26.1 | 29.4 | 33.3 |
| 85° | 17.9 | 91.9 | 348.4 | 186.3 | 104.3 | 97.4 | 23.4 | 16.0 | 13.2 | 18.4 | 26.1 |
| 87.5° | 4.4 | 22.3 | 64.7 | 24.5 | 15.4 | 9.4 | 8.0 | 5.8 | 6.3 | 11.6 | 16.2 |
| 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: P141785

CATALOG NUMBER: CEM-F01-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 |
| 2.5° | 223.2 | 222.3 | 221.5 | 221.0 | 220.1 | 220.1 | 219.3 | 219.3 | 218.2 | 217.7 | 217.7 |
| 5° | 224.8 | 223.2 | 221.8 | 220.4 | 219.0 | 218.5 | 217.4 | 216.8 | 215.7 | 214.9 | 214.4 |
| 7.5° | 230.3 | 228.1 | 226.5 | 224.8 | 223.2 | 222.3 | 221.2 | 220.1 | 219.9 | 219.3 | 218.8 |
| 10° | 239.7 | 236.7 | 235.3 | 234.2 | 232.0 | 231.4 | 230.3 | 229.5 | 228.7 | 227.8 | 228.1 |
| 12.5° | 251.8 | 249.6 | 249.0 | 246.8 | 246.3 | 245.5 | 243.8 | 243.3 | 241.1 | 239.4 | 238.6 |
| 15° | 267.2 | 266.4 | 266.4 | 265.3 | 263.6 | 262.2 | 259.8 | 258.4 | 254.5 | 252.1 | 249.3 |
| 17.5° | 287.6 | 286.7 | 287.0 | 285.9 | 284.0 | 281.5 | 278.8 | 274.6 | 268.8 | 264.4 | 258.9 |
| 20° | 311.2 | 310.9 | 311.5 | 310.7 | 308.2 | 304.9 | 298.3 | 292.2 | 284.3 | 276.3 | 270.2 |
| 22.5° | 337.6 | 339.0 | 339.6 | 337.4 | 334.6 | 327.7 | 320.6 | 311.8 | 301.0 | 290.6 | 282.1 |
| 25° | 365.7 | 369.0 | 370.9 | 367.9 | 364.6 | 355.8 | 345.1 | 333.2 | 318.1 | 305.4 | 294.2 |
| 27.5° | 393.2 | 400.1 | 402.9 | 401.2 | 396.0 | 383.6 | 369.3 | 353.6 | 335.2 | 318.4 | 303.8 |
| 30° | 426.0 | 435.1 | 440.0 | 437.5 | 427.3 | 411.1 | 393.8 | 372.6 | 349.2 | 329.1 | 311.5 |
| 32.5° | 460.4 | 471.6 | 475.2 | 470.0 | 455.1 | 434.8 | 412.2 | 386.3 | 359.9 | 336.8 | 317.0 |
| 35° | 498.6 | 509.1 | 509.9 | 499.7 | 480.2 | 454.3 | 426.2 | 395.2 | 364.9 | 339.0 | 317.3 |
| 37.5° | 531.9 | 542.4 | 541.5 | 526.4 | 502.7 | 470.5 | 434.8 | 397.1 | 361.9 | 332.4 | 308.7 |
| 40° | 566.9 | 578.4 | 572.1 | 552.6 | 522.0 | 481.0 | 435.9 | 390.5 | 350.3 | 318.1 | 292.2 |
| 42.5° | 603.7 | 608.7 | 597.4 | 572.9 | 533.6 | 480.7 | 426.5 | 374.8 | 332.1 | 296.4 | 269.1 |
| 45° | 637.6 | 633.7 | 617.5 | 584.7 | 532.7 | 468.9 | 408.1 | 355.3 | 307.9 | 272.1 | 245.5 |
| 47.5° | 667.8 | 655.7 | 630.7 | 584.7 | 519.8 | 448.0 | 384.4 | 329.9 | 282.9 | 246.8 | 220.4 |
| 50° | 700.6 | 675.3 | 636.2 | 574.6 | 496.4 | 422.7 | 359.4 | 304.6 | 256.2 | 219.3 | 190.4 |
| 52.5° | 744.1 | 698.7 | 636.2 | 556.1 | 472.2 | 397.1 | 333.0 | 275.2 | 225.1 | 186.6 | 158.0 |
| 55° | 845.9 | 747.7 | 647.2 | 545.9 | 450.7 | 370.1 | 301.6 | 237.2 | 188.5 | 151.6 | 128.0 |
| 57.5° | 1045.9 | 855.0 | 702.5 | 564.7 | 442.8 | 340.9 | 261.1 | 195.1 | 148.9 | 118.1 | 98.2 |
| 60° | 1212.4 | 941.6 | 747.4 | 579.0 | 429.8 | 303.2 | 211.6 | 149.4 | 110.6 | 87.2 | 74.3 |
| 62.5° | 1255.3 | 942.7 | 728.9 | 541.8 | 377.5 | 246.8 | 156.0 | 102.9 | 75.9 | 63.3 | 56.4 |
| 65° | 1148.0 | 833.8 | 620.0 | 441.9 | 287.6 | 171.4 | 97.7 | 62.5 | 50.6 | 46.2 | 43.5 |
| 67.5° | 965.0 | 664.3 | 459.5 | 308.2 | 181.3 | 94.4 | 54.8 | 42.9 | 38.5 | 37.1 | 35.8 |
| 70° | 740.2 | 466.7 | 299.1 | 180.5 | 94.9 | 49.0 | 39.1 | 35.2 | 33.3 | 32.5 | 31.4 |
| 72.5° | 456.2 | 275.7 | 162.6 | 86.7 | 47.3 | 37.4 | 34.9 | 33.6 | 31.1 | 30.0 | 28.9 |
| 75° | 193.7 | 118.3 | 67.4 | 44.0 | 38.0 | 35.8 | 33.8 | 32.2 | 30.3 | 28.6 | 27.5 |
| 77.5° | 65.2 | 45.1 | 39.9 | 38.5 | 38.0 | 35.8 | 33.3 | 31.1 | 29.2 | 27.2 | 26.1 |
| 80° | 39.6 | 36.0 | 36.9 | 36.6 | 38.0 | 35.5 | 32.2 | 29.7 | 27.5 | 25.6 | 24.2 |
| 82.5° | 34.4 | 34.1 | 34.9 | 35.8 | 37.7 | 34.1 | 30.3 | 26.7 | 23.9 | 22.0 | 20.6 |
| 85° | 29.7 | 30.3 | 30.8 | 31.4 | 32.5 | 28.9 | 24.5 | 21.2 | 19.0 | 16.5 | 15.4 |
| 87.5° | 19.8 | 21.5 | 22.6 | 22.8 | 22.0 | 13.8 | 8.0 | 9.4 | 9.6 | 8.3 | 7.4 |
| 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: P141785

CATALOG NUMBER: CEM-F01-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 225.4 | 225.4 | 225.4 | 225.4 | 225.4 |
| 2.5° | 216.8 | 216.6 | 217.4 | 216.6 | 216.6 |
| 5° | 214.1 | 213.8 | 213.8 | 213.8 | 213.3 |
| 7.5° | 218.5 | 218.2 | 217.9 | 217.9 | 217.7 |
| 10° | 227.0 | 226.7 | 226.7 | 226.5 | 226.5 |
| 12.5° | 237.2 | 236.1 | 235.8 | 235.3 | 235.5 |
| 15° | 247.1 | 244.1 | 243.3 | 242.4 | 241.6 |
| 17.5° | 254.8 | 251.2 | 249.3 | 247.7 | 247.7 |
| 20° | 264.4 | 259.8 | 257.3 | 254.8 | 254.8 |
| 22.5° | 275.5 | 269.1 | 265.8 | 263.1 | 262.0 |
| 25° | 284.5 | 276.6 | 271.9 | 268.6 | 267.7 |
| 27.5° | 291.4 | 281.2 | 275.2 | 271.3 | 270.2 |
| 30° | 296.9 | 285.4 | 278.2 | 274.1 | 272.4 |
| 32.5° | 300.5 | 287.8 | 280.1 | 276.0 | 274.3 |
| 35° | 298.6 | 285.1 | 275.7 | 270.8 | 269.7 |
| 37.5° | 288.9 | 274.6 | 263.6 | 258.4 | 256.5 |
| 40° | 271.3 | 255.9 | 244.4 | 238.0 | 236.9 |
| 42.5° | 248.2 | 232.8 | 221.8 | 215.2 | 212.2 |
| 45° | 223.4 | 207.5 | 197.0 | 191.0 | 187.4 |
| 47.5° | 196.8 | 181.1 | 170.3 | 164.3 | 161.8 |
| 50° | 168.7 | 153.5 | 144.5 | 137.9 | 135.4 |
| 52.5° | 139.5 | 126.0 | 116.9 | 111.4 | 108.7 |
| 55° | 111.7 | 100.7 | 93.0 | 89.4 | 87.5 |
| 57.5° | 87.2 | 80.1 | 75.7 | 73.5 | 72.1 |
| 60° | 67.7 | 64.1 | 62.5 | 60.8 | 61.1 |
| 62.5° | 52.8 | 52.0 | 51.5 | 50.6 | 50.9 |
| 65° | 42.7 | 42.1 | 42.4 | 42.1 | 42.4 |
| 67.5° | 34.9 | 35.2 | 35.8 | 35.8 | 36.0 |
| 70° | 30.8 | 31.1 | 31.6 | 31.6 | 31.6 |
| 72.5° | 28.6 | 29.2 | 29.7 | 29.4 | 29.4 |
| 75° | 27.0 | 28.3 | 29.4 | 28.3 | 27.2 |
| 77.5° | 25.3 | 28.6 | 31.6 | 29.2 | 26.1 |
| 80° | 23.1 | 30.3 | 33.8 | 29.4 | 25.0 |
| 82.5° | 22.0 | 29.2 | 29.7 | 25.6 | 22.0 |
| 85° | 20.4 | 33.0 | 34.4 | 23.4 | 16.8 |
| 87.5° | 10.5 | 19.8 | 22.8 | 15.7 | 8.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)