

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: P141945

Luminaire Tested: **CEM-F01-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141945
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33683)
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-T3
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2424 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

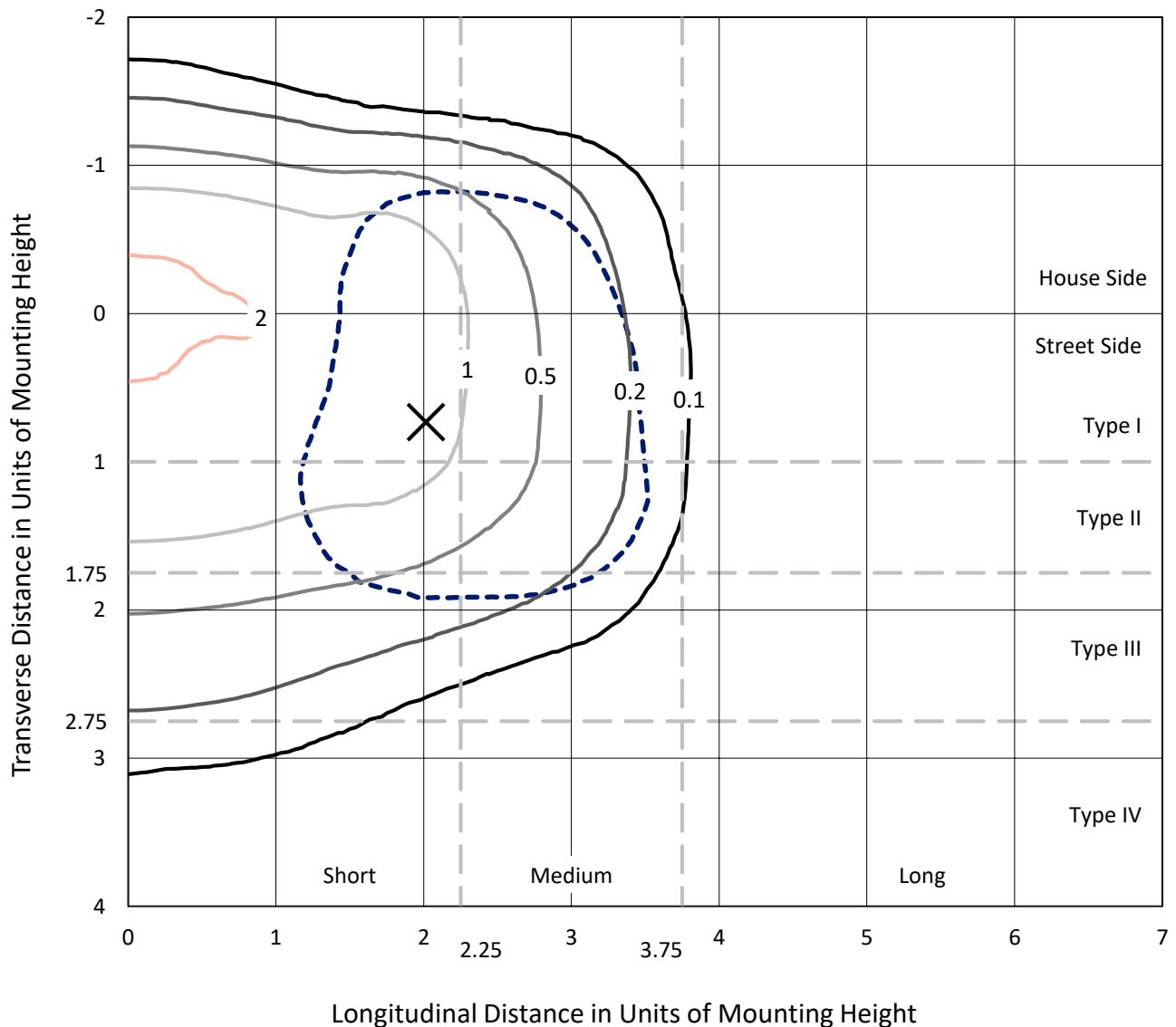
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

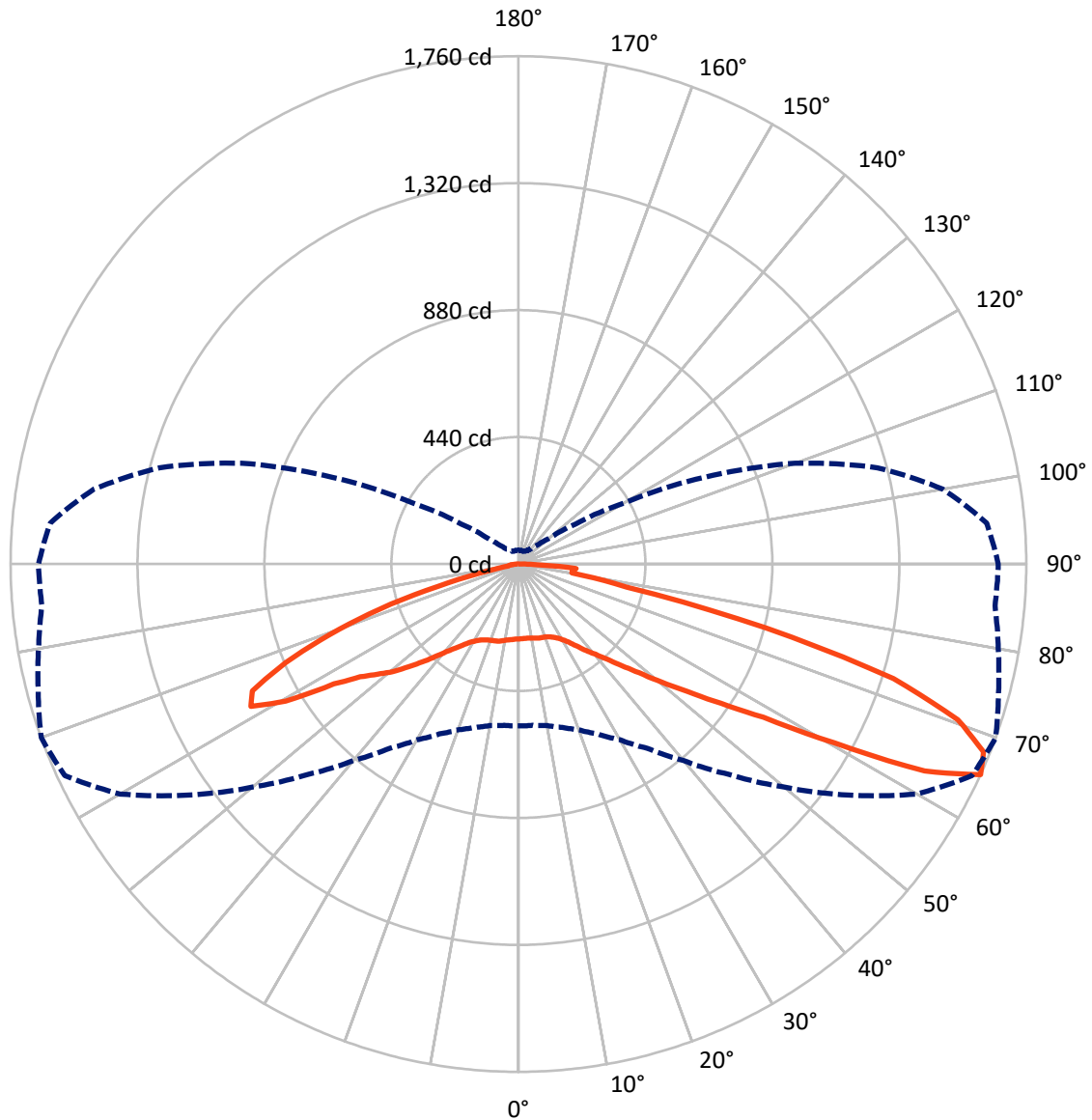
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: CEM-F01-LED-E-U-T3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 818.3 | 0.0 | 818.3 |
| | % Fixture | 33.8 | 0.0 | 33.8 |
| Street Side | Lumens | 1605.7 | 0.0 | 1605.7 |
| | % Fixture | 66.2 | 0.0 | 66.2 |
| Total | Lumens | 2424.0 | 0.0 | 2424.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 25.0 | 1.0 |
| 10°-20° | 74.1 | 3.1 |
| 20°-30° | 127.3 | 5.3 |
| 30°-40° | 204.1 | 8.4 |
| 40°-50° | 334.2 | 13.8 |
| 50°-60° | 523.0 | 21.6 |
| 60°-70° | 735.0 | 30.3 |
| 70°-80° | 347.8 | 14.3 |
| 80°-90° | 53.4 | 2.2 |
| 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° | 2424.0 | 100.0 |
| 0°-180° | 2424.0 | 100.0 |



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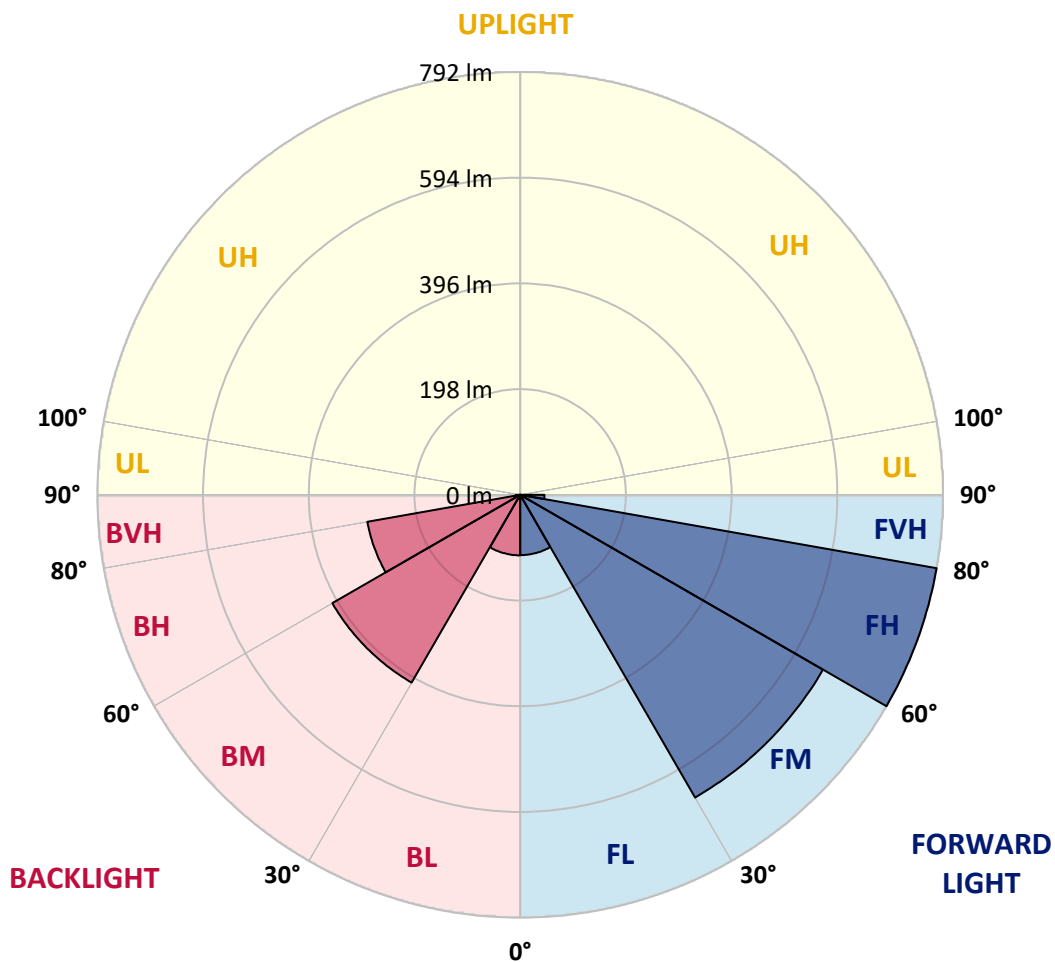
CATALOG NUMBER: CEM-F01-LED-E-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 112.9 | 4.7 | | | |
| FM | (30°-60°) | 655.0 | 27.0 | | | |
| FH | (60°-80°) | 792.2 | 32.7 | | | G1/1800 |
| FVH | (80°-90°) | 45.5 | 1.9 | | | G1/100 |
| BL | (0°-30°) | 113.5 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 406.3 | 16.8 | B1/1000 | | |
| BH | (60°-80°) | 290.7 | 12.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 7.9 | 0.3 | | | 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 III Short





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CATALOG NUMBER: CEM-F01-LED-E-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 0° | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 |
| 2.5° | 258.4 | 258.7 | 258.7 | 258.1 | 258.1 | 258.4 | 258.4 | 258.7 | 258.7 | 258.7 | 258.9 |
| 5° | 258.4 | 258.7 | 258.7 | 258.4 | 258.1 | 258.7 | 258.4 | 258.7 | 258.7 | 258.7 | 258.7 |
| 7.5° | 257.8 | 258.1 | 258.1 | 257.8 | 258.1 | 258.4 | 258.4 | 258.9 | 259.2 | 259.2 | 259.5 |
| 10° | 255.1 | 255.4 | 255.6 | 255.6 | 256.2 | 257.0 | 257.3 | 258.4 | 258.7 | 259.5 | 260.0 |
| 12.5° | 250.1 | 250.1 | 250.7 | 251.2 | 252.1 | 253.7 | 254.5 | 256.2 | 257.6 | 258.7 | 260.6 |
| 15° | 245.7 | 245.7 | 246.3 | 246.6 | 248.2 | 249.3 | 251.0 | 252.9 | 255.4 | 257.6 | 260.6 |
| 17.5° | 247.9 | 247.9 | 247.7 | 247.4 | 247.7 | 247.7 | 249.0 | 251.0 | 253.2 | 256.2 | 260.0 |
| 20° | 256.5 | 256.2 | 255.1 | 254.5 | 254.3 | 253.2 | 252.3 | 252.1 | 253.2 | 255.4 | 259.2 |
| 22.5° | 263.9 | 263.3 | 263.1 | 262.5 | 263.3 | 262.8 | 261.7 | 260.3 | 258.7 | 257.8 | 260.0 |
| 25° | 268.3 | 268.6 | 268.6 | 268.6 | 270.2 | 270.8 | 271.3 | 269.7 | 267.7 | 265.0 | 265.3 |
| 27.5° | 274.3 | 274.6 | 274.1 | 275.2 | 277.1 | 278.5 | 279.9 | 281.0 | 279.9 | 278.2 | 276.3 |
| 30° | 287.3 | 287.3 | 286.5 | 287.3 | 288.9 | 290.3 | 292.2 | 294.2 | 294.2 | 292.5 | 290.6 |
| 32.5° | 300.8 | 301.0 | 301.0 | 301.6 | 304.1 | 305.2 | 307.9 | 309.8 | 311.2 | 310.1 | 311.2 |
| 35° | 317.0 | 316.7 | 317.6 | 317.8 | 321.7 | 323.1 | 328.6 | 329.9 | 332.1 | 332.7 | 333.5 |
| 37.5° | 344.0 | 344.5 | 342.9 | 341.8 | 345.1 | 345.1 | 352.2 | 356.1 | 355.5 | 359.4 | 362.1 |
| 40° | 387.4 | 385.0 | 384.1 | 383.6 | 385.5 | 385.2 | 385.0 | 390.2 | 392.7 | 393.2 | 394.6 |
| 42.5° | 435.6 | 436.4 | 435.6 | 437.5 | 437.5 | 436.2 | 435.1 | 434.2 | 438.9 | 441.9 | 442.5 |
| 45° | 492.0 | 493.1 | 491.5 | 490.1 | 493.7 | 495.6 | 495.6 | 497.8 | 501.6 | 503.0 | 502.2 |
| 47.5° | 537.1 | 540.2 | 538.8 | 540.7 | 546.5 | 553.1 | 561.9 | 567.7 | 571.8 | 575.7 | 581.7 |
| 50° | 577.9 | 579.2 | 582.5 | 588.9 | 597.4 | 607.9 | 622.2 | 636.5 | 644.7 | 654.4 | 661.5 |
| 52.5° | 602.6 | 606.8 | 611.7 | 622.2 | 636.5 | 651.1 | 673.1 | 696.5 | 717.4 | 728.1 | 736.6 |
| 55° | 617.5 | 620.5 | 627.1 | 641.4 | 661.5 | 683.3 | 710.8 | 743.0 | 770.8 | 794.4 | 812.9 |
| 57.5° | 616.9 | 619.4 | 628.5 | 644.2 | 668.1 | 695.4 | 729.8 | 769.9 | 810.9 | 850.3 | 885.0 |
| 60° | 605.1 | 607.3 | 616.4 | 633.2 | 659.3 | 691.8 | 733.1 | 782.3 | 837.9 | 897.1 | 957.9 |
| 62.5° | 586.9 | 588.6 | 596.6 | 613.4 | 639.8 | 674.5 | 722.9 | 787.6 | 866.5 | 959.8 | 1077.9 |
| 65° | 561.4 | 561.4 | 568.8 | 586.1 | 611.4 | 650.2 | 703.6 | 779.6 | 888.8 | 1030.8 | 1202.5 |
| 67.5° | 523.7 | 523.7 | 529.7 | 544.0 | 563.8 | 590.8 | 644.2 | 723.2 | 838.5 | 1008.5 | 1209.4 |
| 70° | 452.4 | 453.5 | 453.5 | 462.3 | 471.1 | 483.2 | 508.5 | 569.1 | 677.2 | 843.4 | 1041.0 |
| 72.5° | 331.6 | 311.5 | 327.2 | 341.5 | 351.4 | 358.0 | 372.6 | 391.6 | 446.1 | 570.7 | 749.6 |
| 75° | 208.9 | 214.1 | 225.9 | 242.2 | 266.6 | 292.0 | 319.8 | 331.6 | 326.6 | 341.5 | 461.7 |
| 77.5° | 126.6 | 122.2 | 133.7 | 158.0 | 185.5 | 219.9 | 271.9 | 317.0 | 342.9 | 341.2 | 326.9 |
| 80° | 54.8 | 53.4 | 61.1 | 72.6 | 86.1 | 117.2 | 164.8 | 226.7 | 295.5 | 335.4 | 329.4 |
| 82.5° | 19.5 | 19.8 | 25.0 | 29.7 | 35.8 | 46.0 | 65.2 | 104.3 | 165.4 | 235.5 | 291.1 |
| 85° | 5.8 | 6.3 | 8.8 | 12.4 | 14.0 | 16.0 | 22.0 | 32.7 | 55.9 | 89.2 | 158.5 |
| 87.5° | 1.7 | 1.9 | 2.5 | 4.4 | 4.1 | 3.9 | 4.4 | 6.9 | 5.2 | 4.4 | 22.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 |
| 2.5° | 258.7 | 258.7 | 258.7 | 258.9 | 258.7 | 258.7 | 258.9 | 258.9 | 259.2 | 259.5 | 260.0 |
| 5° | 258.4 | 258.4 | 258.7 | 258.7 | 258.7 | 258.9 | 259.2 | 259.5 | 260.0 | 260.9 | 261.7 |
| 7.5° | 259.2 | 259.2 | 258.9 | 259.2 | 259.2 | 259.5 | 260.0 | 260.3 | 261.4 | 262.2 | 263.6 |
| 10° | 260.0 | 260.0 | 260.3 | 260.6 | 260.6 | 261.1 | 262.0 | 262.2 | 263.3 | 265.0 | 266.4 |
| 12.5° | 261.1 | 262.0 | 263.1 | 263.6 | 264.2 | 264.7 | 265.5 | 266.1 | 267.5 | 269.7 | 271.3 |
| 15° | 262.0 | 263.9 | 265.0 | 266.4 | 267.2 | 267.5 | 268.3 | 269.4 | 270.8 | 273.0 | 274.9 |
| 17.5° | 262.0 | 264.4 | 266.1 | 267.5 | 268.8 | 269.7 | 270.5 | 271.6 | 273.5 | 275.7 | 277.7 |
| 20° | 261.7 | 265.3 | 267.5 | 269.7 | 272.1 | 273.0 | 274.3 | 275.5 | 277.7 | 280.4 | 281.8 |
| 22.5° | 263.1 | 267.2 | 270.2 | 274.1 | 276.8 | 279.0 | 280.7 | 282.6 | 284.3 | 286.2 | 286.7 |
| 25° | 267.2 | 271.3 | 276.3 | 281.0 | 284.8 | 288.1 | 290.3 | 292.0 | 293.9 | 294.7 | 293.6 |
| 27.5° | 274.1 | 277.1 | 284.0 | 290.9 | 296.9 | 301.0 | 303.5 | 305.7 | 306.3 | 307.9 | 303.8 |
| 30° | 286.5 | 287.8 | 295.0 | 304.9 | 311.8 | 318.7 | 322.0 | 324.2 | 324.4 | 323.3 | 316.2 |
| 32.5° | 306.8 | 304.3 | 310.7 | 323.9 | 334.3 | 340.1 | 345.3 | 346.7 | 345.9 | 342.3 | 330.8 |
| 35° | 331.6 | 327.7 | 330.8 | 350.0 | 361.6 | 370.1 | 375.1 | 376.4 | 374.5 | 368.2 | 352.2 |
| 37.5° | 362.1 | 360.8 | 362.1 | 380.6 | 400.7 | 408.6 | 410.8 | 412.5 | 407.8 | 396.3 | 375.3 |
| 40° | 396.0 | 396.3 | 394.6 | 411.4 | 436.7 | 448.3 | 453.5 | 449.9 | 444.1 | 427.6 | 404.5 |
| 42.5° | 442.8 | 441.1 | 435.3 | 450.5 | 482.9 | 494.8 | 499.4 | 496.7 | 490.9 | 470.0 | 443.0 |
| 45° | 504.7 | 499.2 | 493.7 | 501.6 | 533.0 | 548.4 | 555.3 | 553.4 | 543.2 | 517.9 | 492.6 |
| 47.5° | 580.3 | 574.6 | 564.4 | 563.0 | 594.7 | 612.8 | 615.3 | 612.3 | 604.6 | 579.2 | 548.1 |
| 50° | 659.9 | 658.2 | 653.5 | 642.5 | 670.9 | 689.0 | 687.4 | 685.2 | 676.7 | 644.5 | 612.5 |
| 52.5° | 742.1 | 745.4 | 742.4 | 734.7 | 765.0 | 772.4 | 773.0 | 766.4 | 756.5 | 726.7 | 683.3 |
| 55° | 828.6 | 840.9 | 845.6 | 851.7 | 875.6 | 874.5 | 868.2 | 852.5 | 855.0 | 821.1 | 760.9 |
| 57.5° | 920.2 | 958.2 | 988.2 | 1001.6 | 1024.5 | 1031.1 | 1015.1 | 1020.3 | 1018.1 | 983.2 | 888.3 |
| 60° | 1041.0 | 1131.8 | 1209.9 | 1258.1 | 1288.9 | 1277.1 | 1299.4 | 1300.5 | 1338.2 | 1261.4 | 1113.4 |
| 62.5° | 1233.6 | 1400.4 | 1539.1 | 1580.6 | 1588.6 | 1585.8 | 1559.4 | 1585.8 | 1578.7 | 1485.1 | 1293.3 |
| 65° | 1395.7 | 1594.1 | 1735.0 | 1760.3 | 1723.1 | 1689.0 | 1658.2 | 1663.4 | 1629.3 | 1493.9 | 1288.1 |
| 67.5° | 1417.7 | 1615.3 | 1746.0 | 1738.8 | 1657.7 | 1594.4 | 1543.2 | 1503.0 | 1433.4 | 1310.9 | 1131.5 |
| 70° | 1243.5 | 1452.9 | 1621.3 | 1615.8 | 1503.0 | 1418.5 | 1335.4 | 1274.9 | 1203.9 | 1109.2 | 939.4 |
| 72.5° | 967.2 | 1153.8 | 1317.0 | 1359.4 | 1248.2 | 1154.9 | 1078.7 | 1001.6 | 928.4 | 838.5 | 731.4 |
| 75° | 658.5 | 798.8 | 874.8 | 886.3 | 784.5 | 714.6 | 685.2 | 622.2 | 544.6 | 525.3 | 446.1 |
| 77.5° | 382.5 | 436.4 | 413.3 | 382.5 | 307.9 | 226.2 | 172.8 | 147.8 | 148.3 | 170.3 | 163.2 |
| 80° | 310.9 | 296.1 | 233.6 | 187.4 | 127.4 | 64.9 | 43.5 | 37.4 | 37.7 | 43.8 | 42.4 |
| 82.5° | 320.6 | 329.1 | 270.5 | 189.3 | 130.4 | 68.8 | 33.0 | 24.5 | 28.6 | 31.1 | 30.5 |
| 85° | 237.5 | 311.2 | 279.0 | 200.9 | 140.1 | 73.2 | 21.5 | 13.5 | 19.0 | 23.1 | 24.8 |
| 87.5° | 66.6 | 104.6 | 81.2 | 53.7 | 39.1 | 13.2 | 8.5 | 7.2 | 8.8 | 12.1 | 12.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 |
| 2.5° | 260.3 | 261.4 | 261.1 | 261.7 | 262.0 | 262.8 | 263.3 | 263.1 | 263.1 | 263.6 | 264.2 |
| 5° | 262.5 | 263.9 | 263.9 | 264.7 | 265.5 | 266.6 | 267.5 | 266.9 | 267.2 | 267.7 | 268.3 |
| 7.5° | 264.7 | 266.4 | 266.6 | 267.5 | 268.0 | 268.6 | 269.1 | 268.3 | 268.0 | 268.0 | 267.7 |
| 10° | 267.5 | 269.1 | 268.8 | 268.8 | 268.6 | 268.0 | 266.9 | 265.0 | 263.6 | 262.8 | 262.2 |
| 12.5° | 272.1 | 273.2 | 271.6 | 269.9 | 267.2 | 265.3 | 262.8 | 260.6 | 258.9 | 257.6 | 257.0 |
| 15° | 276.3 | 275.7 | 273.8 | 270.8 | 266.9 | 263.9 | 261.4 | 258.4 | 256.5 | 254.8 | 254.0 |
| 17.5° | 278.5 | 276.6 | 273.8 | 271.0 | 267.7 | 265.0 | 262.0 | 258.4 | 255.4 | 253.2 | 252.1 |
| 20° | 280.7 | 277.7 | 274.1 | 271.3 | 268.8 | 266.6 | 264.4 | 260.0 | 256.2 | 252.9 | 251.2 |
| 22.5° | 284.0 | 279.9 | 276.3 | 273.8 | 271.3 | 269.1 | 266.9 | 262.8 | 258.7 | 254.3 | 251.8 |
| 25° | 288.7 | 283.2 | 280.7 | 278.2 | 275.5 | 273.2 | 270.2 | 266.4 | 262.0 | 256.7 | 253.2 |
| 27.5° | 296.1 | 291.1 | 288.4 | 285.9 | 282.6 | 279.0 | 275.7 | 270.5 | 266.4 | 260.3 | 255.6 |
| 30° | 306.8 | 301.6 | 299.1 | 296.6 | 292.8 | 288.1 | 283.4 | 276.8 | 271.0 | 264.2 | 258.1 |
| 32.5° | 320.3 | 317.6 | 314.5 | 310.4 | 305.2 | 299.4 | 292.5 | 283.7 | 275.5 | 266.9 | 259.2 |
| 35° | 341.2 | 336.5 | 331.6 | 327.5 | 319.8 | 311.8 | 301.3 | 288.4 | 277.4 | 266.9 | 257.6 |
| 37.5° | 365.2 | 360.2 | 353.6 | 346.2 | 334.6 | 322.0 | 307.4 | 291.1 | 276.6 | 263.9 | 253.4 |
| 40° | 394.1 | 387.7 | 378.9 | 364.9 | 347.8 | 328.8 | 309.3 | 288.9 | 271.9 | 257.3 | 245.2 |
| 42.5° | 432.3 | 419.4 | 402.3 | 381.7 | 357.5 | 331.6 | 306.8 | 283.2 | 263.9 | 247.9 | 235.8 |
| 45° | 475.5 | 454.9 | 427.3 | 396.5 | 363.0 | 330.5 | 301.3 | 273.8 | 252.1 | 234.4 | 221.8 |
| 47.5° | 522.0 | 489.8 | 449.4 | 405.9 | 363.5 | 324.4 | 290.6 | 259.8 | 235.3 | 216.6 | 200.9 |
| 50° | 574.6 | 521.5 | 464.8 | 410.6 | 359.9 | 313.7 | 275.2 | 239.7 | 214.4 | 192.1 | 177.8 |
| 52.5° | 619.7 | 549.2 | 475.5 | 408.6 | 347.3 | 295.0 | 249.9 | 215.5 | 185.7 | 165.9 | 151.9 |
| 55° | 673.1 | 576.2 | 481.3 | 399.0 | 326.9 | 265.8 | 222.6 | 184.4 | 156.3 | 138.7 | 126.6 |
| 57.5° | 763.1 | 621.9 | 486.2 | 379.5 | 293.3 | 229.2 | 184.9 | 149.1 | 127.1 | 111.7 | 103.2 |
| 60° | 936.7 | 710.5 | 506.6 | 350.3 | 250.7 | 185.2 | 142.8 | 116.7 | 97.7 | 87.5 | 81.5 |
| 62.5° | 1050.3 | 770.8 | 497.5 | 305.4 | 195.9 | 138.7 | 104.6 | 84.2 | 73.2 | 65.8 | 63.0 |
| 65° | 1021.4 | 710.0 | 422.1 | 242.2 | 136.5 | 92.2 | 70.2 | 57.8 | 52.8 | 49.0 | 47.3 |
| 67.5° | 877.3 | 572.6 | 306.0 | 156.6 | 86.4 | 56.1 | 46.0 | 41.0 | 38.8 | 37.1 | 36.9 |
| 70° | 698.9 | 403.7 | 181.9 | 83.1 | 47.9 | 37.1 | 32.7 | 30.8 | 30.0 | 30.0 | 30.0 |
| 72.5° | 507.1 | 232.5 | 89.4 | 44.9 | 32.2 | 28.3 | 26.4 | 25.9 | 25.6 | 25.6 | 25.9 |
| 75° | 289.8 | 100.7 | 46.0 | 30.8 | 26.4 | 24.5 | 23.4 | 23.4 | 23.4 | 23.4 | 23.7 |
| 77.5° | 101.0 | 46.0 | 32.5 | 25.9 | 22.8 | 21.7 | 21.2 | 21.7 | 22.0 | 22.0 | 22.0 |
| 80° | 36.9 | 32.5 | 27.8 | 22.6 | 20.4 | 19.3 | 19.3 | 20.1 | 20.6 | 20.1 | 19.8 |
| 82.5° | 29.2 | 25.6 | 22.6 | 19.5 | 17.9 | 17.3 | 17.6 | 18.2 | 17.9 | 17.6 | 16.8 |
| 85° | 22.3 | 16.8 | 15.7 | 14.6 | 14.3 | 14.3 | 15.4 | 15.7 | 14.6 | 14.0 | 13.2 |
| 87.5° | 11.0 | 8.8 | 8.0 | 9.4 | 9.1 | 8.3 | 8.5 | 8.5 | 7.2 | 6.6 | 6.9 |
| 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: CEM-F01-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 259.8 | 259.8 | 259.8 | 259.8 |
| 2.5° | 264.2 | 264.4 | 265.3 | 265.0 |
| 5° | 268.0 | 268.3 | 268.8 | 268.8 |
| 7.5° | 267.2 | 267.5 | 267.5 | 267.5 |
| 10° | 260.9 | 260.9 | 261.4 | 261.4 |
| 12.5° | 255.9 | 255.6 | 255.6 | 255.1 |
| 15° | 252.9 | 252.3 | 252.6 | 251.8 |
| 17.5° | 250.7 | 250.4 | 250.4 | 249.9 |
| 20° | 249.9 | 249.3 | 249.0 | 248.5 |
| 22.5° | 249.3 | 249.0 | 248.5 | 247.9 |
| 25° | 250.7 | 249.3 | 249.0 | 248.5 |
| 27.5° | 252.1 | 250.7 | 249.6 | 249.3 |
| 30° | 253.4 | 251.0 | 249.6 | 249.0 |
| 32.5° | 253.2 | 249.9 | 247.9 | 247.1 |
| 35° | 250.1 | 246.0 | 243.5 | 242.7 |
| 37.5° | 244.4 | 239.7 | 235.8 | 234.4 |
| 40° | 236.1 | 230.0 | 226.5 | 224.5 |
| 42.5° | 226.2 | 219.3 | 216.3 | 214.6 |
| 45° | 210.0 | 204.5 | 200.9 | 199.5 |
| 47.5° | 191.8 | 184.4 | 181.1 | 179.7 |
| 50° | 168.4 | 162.4 | 159.6 | 157.7 |
| 52.5° | 143.6 | 138.1 | 135.7 | 134.6 |
| 55° | 119.7 | 116.9 | 113.1 | 112.3 |
| 57.5° | 97.1 | 96.3 | 93.6 | 93.3 |
| 60° | 79.0 | 77.6 | 75.7 | 75.7 |
| 62.5° | 62.2 | 60.8 | 60.0 | 60.0 |
| 65° | 47.9 | 47.6 | 47.1 | 46.8 |
| 67.5° | 36.9 | 37.7 | 38.0 | 37.4 |
| 70° | 30.8 | 31.1 | 31.1 | 31.1 |
| 72.5° | 26.7 | 26.7 | 26.7 | 26.4 |
| 75° | 24.2 | 24.2 | 23.7 | 23.4 |
| 77.5° | 22.3 | 22.0 | 22.3 | 22.0 |
| 80° | 19.5 | 19.3 | 18.7 | 18.2 |
| 82.5° | 16.2 | 16.0 | 14.6 | 14.6 |
| 85° | 12.7 | 11.8 | 10.7 | 9.6 |
| 87.5° | 7.2 | 6.3 | 4.7 | 3.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)