

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: P141299

Luminaire Tested: **CEM-E01-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141299
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33692)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CEM-E01-LED-E-U-SL4-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2578.8 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

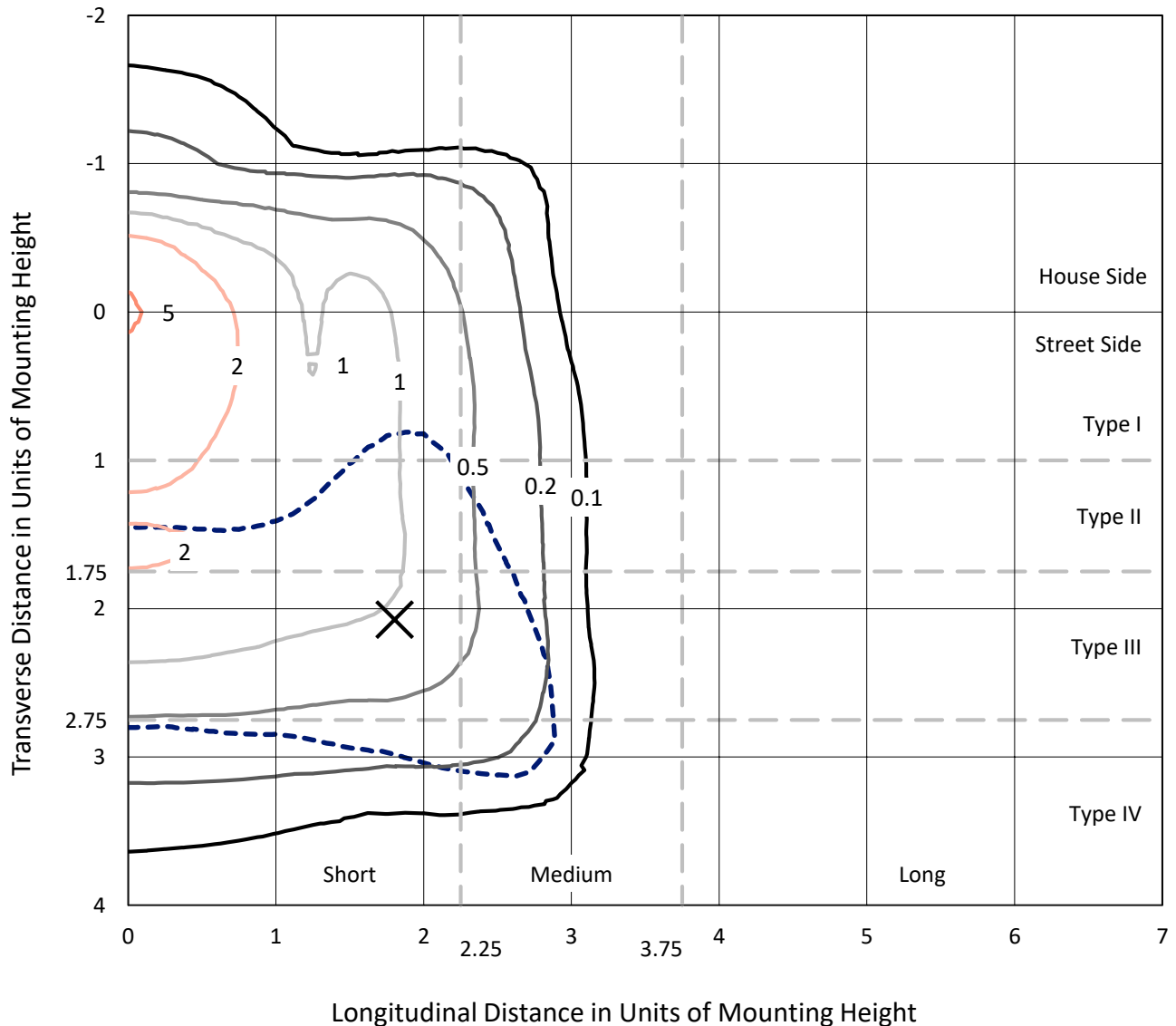
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P141299
 CATALOG NUMBER: CEM-E01-LED-E-U-SL4-7030

Iso-Footcandle Lines of Horizontal Illumination

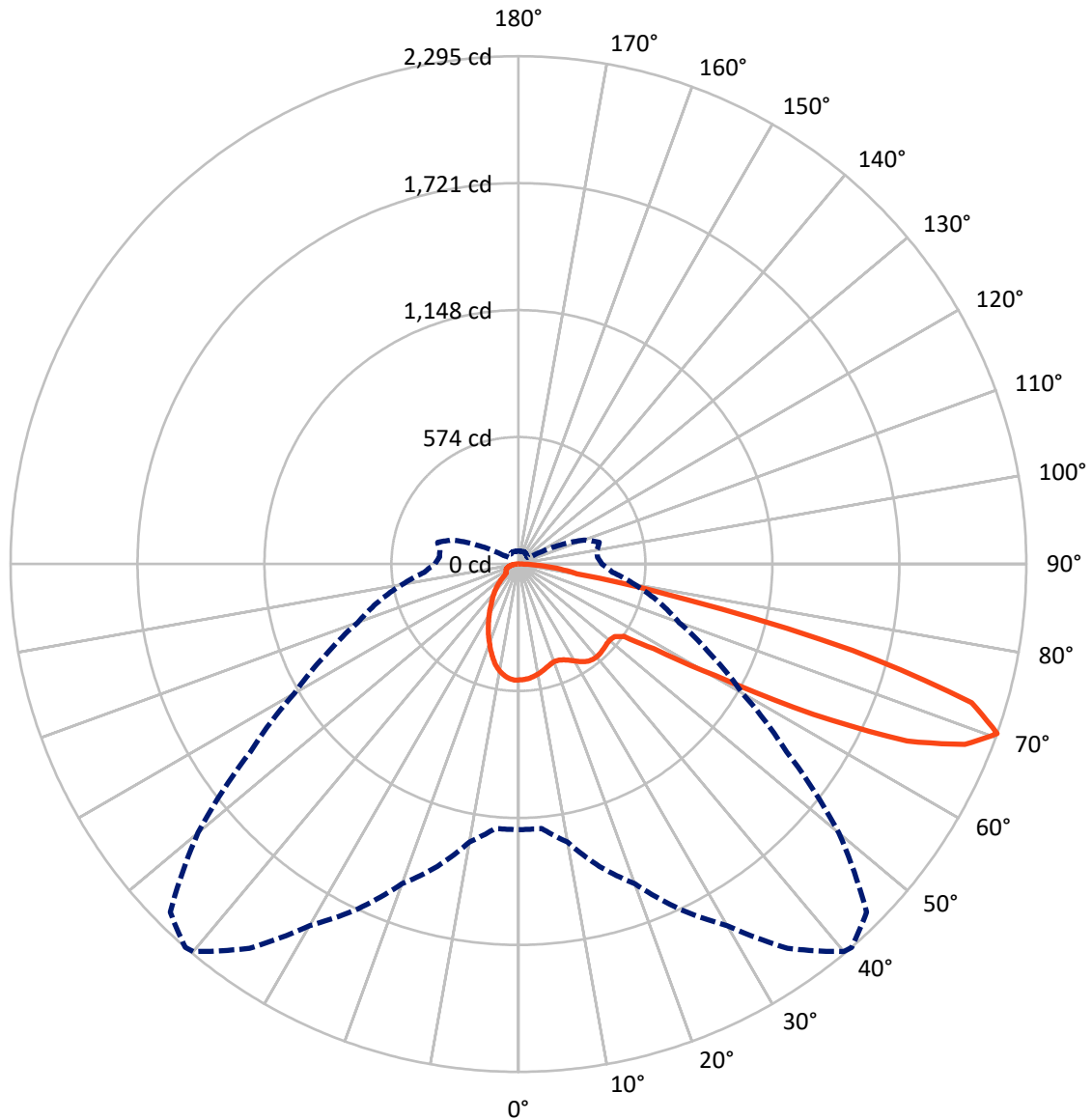
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P141299
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Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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CATALOG NUMBER: CEM-E01-LED-E-U-SL4-7030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 553.3 | 0.0 | 553.3 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 2025.5 | 0.0 | 2025.5 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 2578.8 | 0.0 | 2578.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.8 | 1.9 |
| 10°-20° | 130.7 | 5.1 |
| 20°-30° | 188.9 | 7.3 |
| 30°-40° | 240.5 | 9.3 |
| 40°-50° | 283.4 | 11.0 |
| 50°-60° | 433.6 | 16.8 |
| 60°-70° | 805.9 | 31.3 |
| 70°-80° | 389.0 | 15.1 |
| 80°-90° | 58.1 | 2.3 |
| 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° | 2578.8 | 100.0 |
| 0°-180° | 2578.8 | 100.0 |

Coefficient of Utilization



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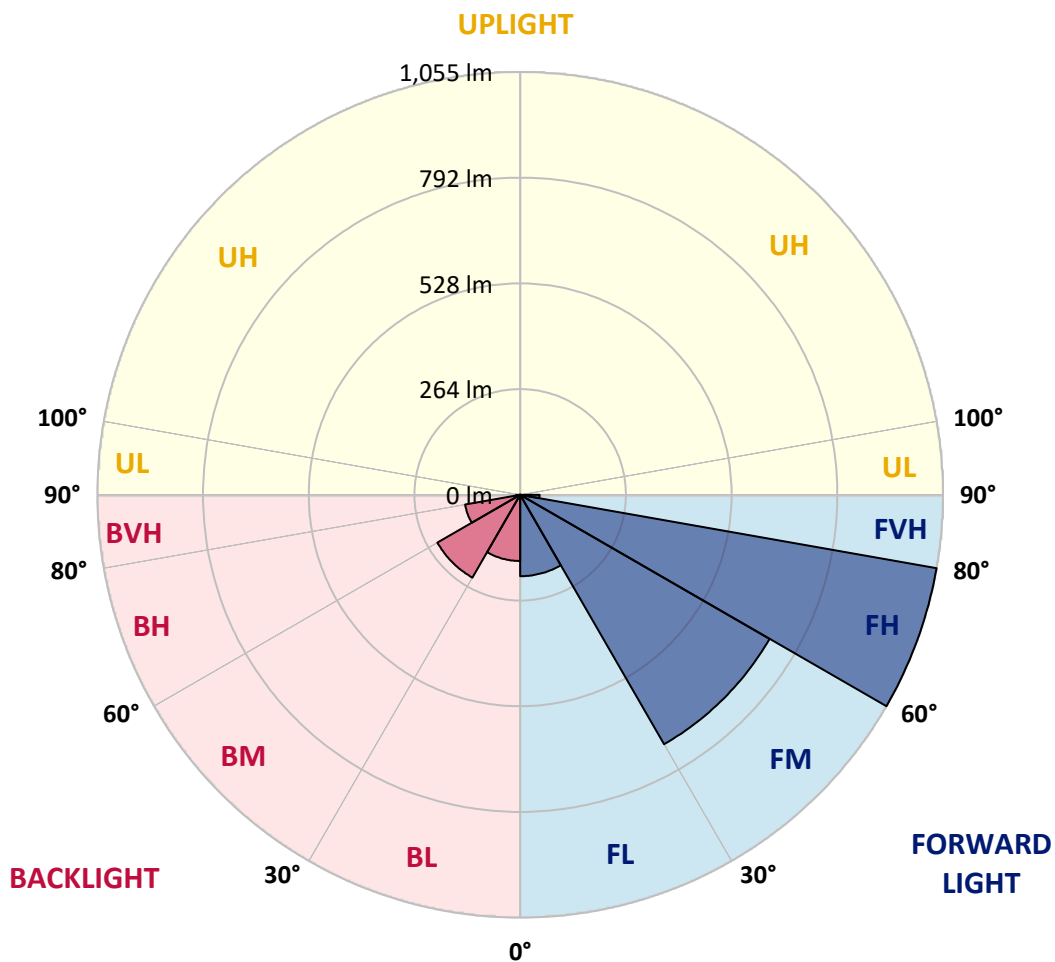
CATALOG NUMBER: CEM-E01-LED-E-U-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 203.1 | 7.9 | | | |
| FM | (30°-60°) | 718.8 | 27.9 | | | |
| FH | (60°-80°) | 1055.4 | 40.9 | | | G1/1800 |
| FVH | (80°-90°) | 48.3 | 1.9 | | | G1/100 |
| BL | (0°-30°) | 165.3 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 238.7 | 9.3 | B1/1000 | | |
| BH | (60°-80°) | 139.5 | 5.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.8 | 0.4 | | | 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 IV Short





REPORT NUMBER: P141299

CATALOG NUMBER: CEM-E01-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 41° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 |
| 2.5° | 524.0 | 524.6 | 524.3 | 523.7 | 523.0 | 523.3 | 523.0 | 522.7 | 522.7 | 522.4 | 522.1 |
| 5° | 521.5 | 522.7 | 521.8 | 521.2 | 520.3 | 520.3 | 520.0 | 519.4 | 518.8 | 518.5 | 517.9 |
| 7.5° | 516.3 | 517.6 | 517.0 | 516.3 | 515.4 | 514.8 | 513.6 | 513.0 | 512.4 | 512.1 | 511.2 |
| 10° | 509.3 | 510.0 | 509.3 | 508.1 | 507.5 | 507.2 | 506.6 | 505.4 | 504.2 | 503.6 | 502.6 |
| 12.5° | 500.2 | 500.5 | 499.9 | 499.3 | 498.4 | 498.4 | 497.5 | 496.6 | 494.7 | 494.1 | 492.0 |
| 15° | 492.3 | 491.4 | 490.8 | 490.5 | 490.2 | 488.6 | 488.9 | 487.4 | 484.4 | 483.5 | 481.0 |
| 17.5° | 490.2 | 489.3 | 488.9 | 488.0 | 487.4 | 485.6 | 483.8 | 480.7 | 475.6 | 474.6 | 471.0 |
| 20° | 496.3 | 496.3 | 495.3 | 494.7 | 493.8 | 490.5 | 486.5 | 480.7 | 471.3 | 469.2 | 464.6 |
| 22.5° | 510.9 | 509.3 | 508.7 | 508.7 | 508.4 | 503.6 | 496.3 | 487.1 | 474.6 | 471.9 | 464.0 |
| 25° | 533.7 | 531.0 | 531.9 | 531.6 | 531.0 | 524.0 | 513.3 | 500.2 | 483.2 | 479.5 | 469.2 |
| 27.5° | 560.8 | 561.4 | 561.1 | 559.9 | 558.1 | 550.4 | 535.2 | 517.6 | 496.3 | 492.6 | 479.2 |
| 30° | 589.1 | 589.7 | 591.5 | 590.6 | 589.4 | 577.8 | 559.0 | 539.8 | 513.9 | 509.0 | 492.6 |
| 32.5° | 622.0 | 624.1 | 625.6 | 625.9 | 621.1 | 605.2 | 583.0 | 558.7 | 531.3 | 526.4 | 506.0 |
| 35° | 660.0 | 658.8 | 661.6 | 660.4 | 651.8 | 630.2 | 602.8 | 573.9 | 545.9 | 539.5 | 517.6 |
| 37.5° | 698.4 | 699.9 | 697.2 | 692.0 | 678.6 | 650.3 | 616.5 | 583.9 | 552.9 | 546.8 | 524.0 |
| 40° | 735.6 | 734.6 | 728.2 | 719.4 | 699.3 | 663.1 | 624.1 | 588.5 | 555.3 | 548.9 | 525.5 |
| 42.5° | 763.3 | 760.8 | 751.1 | 736.8 | 710.9 | 669.2 | 626.3 | 588.5 | 553.8 | 547.1 | 523.3 |
| 45° | 775.4 | 773.0 | 763.6 | 745.3 | 714.5 | 668.0 | 622.6 | 583.3 | 548.6 | 542.8 | 519.1 |
| 47.5° | 775.4 | 774.5 | 764.2 | 746.5 | 713.6 | 664.6 | 617.1 | 576.9 | 543.4 | 537.7 | 515.4 |
| 50° | 769.3 | 768.7 | 759.6 | 742.2 | 710.6 | 662.8 | 615.6 | 575.7 | 543.1 | 537.4 | 517.0 |
| 52.5° | 789.7 | 785.8 | 776.3 | 756.3 | 721.9 | 670.4 | 623.2 | 581.8 | 550.4 | 544.7 | 523.7 |
| 55° | 1037.9 | 1034.5 | 986.7 | 902.7 | 814.7 | 734.3 | 665.5 | 618.0 | 586.4 | 577.5 | 562.3 |
| 57.5° | 1439.1 | 1434.3 | 1385.2 | 1308.8 | 1157.5 | 985.5 | 850.6 | 771.5 | 727.0 | 720.6 | 711.5 |
| 60° | 1602.0 | 1600.2 | 1579.5 | 1548.4 | 1491.2 | 1402.3 | 1276.9 | 1145.3 | 1043.0 | 1026.6 | 1027.8 |
| 62.5° | 1695.5 | 1690.9 | 1680.9 | 1673.3 | 1653.8 | 1617.5 | 1594.1 | 1557.3 | 1507.6 | 1496.4 | 1425.1 |
| 65° | 1747.8 | 1747.2 | 1752.7 | 1759.1 | 1757.9 | 1768.9 | 1780.7 | 1851.1 | 1933.6 | 1929.9 | 1854.7 |
| 67.5° | 1669.9 | 1675.1 | 1703.7 | 1747.5 | 1793.5 | 1842.2 | 1933.0 | 2073.9 | 2175.9 | 2175.9 | 2109.8 |
| 70° | 1200.4 | 1199.5 | 1275.6 | 1414.5 | 1538.1 | 1720.1 | 1887.3 | 2119.6 | 2286.4 | 2295.2 | 2225.2 |
| 72.5° | 719.4 | 736.2 | 783.0 | 846.1 | 951.1 | 1171.5 | 1482.4 | 1899.8 | 2132.7 | 2142.1 | 2058.4 |
| 75° | 505.4 | 492.9 | 491.1 | 494.7 | 512.7 | 566.9 | 738.0 | 1166.0 | 1546.0 | 1560.6 | 1479.6 |
| 77.5° | 323.3 | 320.6 | 321.8 | 325.8 | 326.7 | 331.9 | 340.1 | 399.7 | 716.7 | 786.7 | 783.0 |
| 80° | 278.9 | 278.0 | 278.3 | 273.7 | 264.9 | 261.5 | 271.9 | 263.7 | 256.0 | 266.7 | 252.1 |
| 82.5° | 186.9 | 190.3 | 195.8 | 203.1 | 220.7 | 226.8 | 223.5 | 221.9 | 197.9 | 192.4 | 170.8 |
| 85° | 138.5 | 136.7 | 138.8 | 138.8 | 134.3 | 129.7 | 133.0 | 129.7 | 114.8 | 107.5 | 95.0 |
| 87.5° | 74.9 | 75.2 | 81.3 | 83.7 | 83.4 | 71.2 | 58.8 | 50.8 | 46.0 | 42.6 | 35.9 |
| 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-E01-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 |
| 2.5° | 522.4 | 521.5 | 521.8 | 521.8 | 521.5 | 522.1 | 521.2 | 520.9 | 521.2 | 521.2 | 521.2 |
| 5° | 517.3 | 516.0 | 516.0 | 515.7 | 515.1 | 515.1 | 513.9 | 513.6 | 513.0 | 513.9 | 513.3 |
| 7.5° | 510.0 | 508.1 | 506.6 | 505.4 | 504.8 | 503.9 | 502.3 | 501.7 | 501.1 | 500.8 | 500.2 |
| 10° | 501.1 | 499.0 | 495.9 | 493.5 | 492.3 | 489.9 | 488.0 | 485.6 | 485.6 | 484.4 | 483.2 |
| 12.5° | 490.5 | 487.4 | 484.4 | 481.0 | 478.9 | 475.6 | 472.5 | 469.8 | 467.6 | 464.9 | 463.1 |
| 15° | 479.8 | 475.2 | 471.9 | 468.5 | 464.6 | 460.0 | 456.4 | 452.1 | 448.2 | 443.9 | 442.7 |
| 17.5° | 468.2 | 464.6 | 461.5 | 457.6 | 453.3 | 447.8 | 443.0 | 436.0 | 431.1 | 425.9 | 422.0 |
| 20° | 460.6 | 456.4 | 453.0 | 449.4 | 444.8 | 438.4 | 432.0 | 424.1 | 416.8 | 409.2 | 403.4 |
| 22.5° | 456.7 | 449.7 | 446.6 | 443.3 | 438.7 | 431.7 | 424.4 | 414.7 | 405.5 | 395.5 | 386.3 |
| 25° | 458.2 | 448.8 | 442.7 | 439.0 | 435.1 | 428.1 | 418.6 | 407.7 | 397.3 | 384.5 | 374.2 |
| 27.5° | 464.9 | 452.1 | 442.7 | 436.6 | 432.3 | 425.0 | 415.3 | 402.8 | 390.3 | 376.9 | 364.4 |
| 30° | 473.7 | 457.6 | 445.4 | 436.6 | 430.2 | 422.3 | 411.6 | 398.2 | 384.5 | 369.6 | 355.3 |
| 32.5° | 483.8 | 464.0 | 449.4 | 437.2 | 426.8 | 416.8 | 405.8 | 391.8 | 377.5 | 361.7 | 347.7 |
| 35° | 491.7 | 468.9 | 452.1 | 436.0 | 422.3 | 409.8 | 397.0 | 383.9 | 369.6 | 354.7 | 339.8 |
| 37.5° | 496.3 | 471.9 | 452.1 | 431.7 | 415.0 | 401.9 | 388.5 | 375.7 | 362.0 | 347.4 | 334.3 |
| 40° | 498.1 | 473.1 | 450.3 | 426.8 | 407.4 | 392.4 | 380.0 | 366.9 | 354.7 | 341.9 | 330.3 |
| 42.5° | 497.2 | 472.2 | 447.8 | 422.3 | 401.3 | 385.1 | 371.4 | 359.3 | 349.2 | 338.5 | 328.8 |
| 45° | 493.5 | 469.2 | 445.4 | 420.1 | 399.1 | 382.7 | 368.7 | 357.1 | 347.7 | 337.9 | 330.3 |
| 47.5° | 490.5 | 467.9 | 446.9 | 425.3 | 405.2 | 388.5 | 373.3 | 360.5 | 352.6 | 344.9 | 340.1 |
| 50° | 492.9 | 471.3 | 450.3 | 429.9 | 410.4 | 393.3 | 377.8 | 365.9 | 361.4 | 360.2 | 358.6 |
| 52.5° | 499.6 | 478.3 | 460.6 | 446.3 | 437.5 | 431.1 | 415.3 | 412.5 | 408.6 | 406.4 | 401.3 |
| 55° | 543.1 | 534.3 | 550.1 | 567.5 | 570.5 | 589.7 | 597.3 | 597.9 | 591.2 | 567.5 | 512.1 |
| 57.5° | 720.3 | 742.2 | 748.9 | 789.1 | 800.1 | 791.6 | 780.0 | 779.4 | 758.7 | 727.3 | 646.7 |
| 60° | 1037.0 | 1025.4 | 1011.1 | 984.9 | 960.2 | 933.7 | 897.2 | 869.2 | 842.7 | 794.6 | 709.7 |
| 62.5° | 1368.2 | 1267.4 | 1194.1 | 1118.9 | 1058.0 | 1004.7 | 951.7 | 906.7 | 863.7 | 797.1 | 706.0 |
| 65° | 1655.6 | 1450.4 | 1301.5 | 1188.6 | 1094.2 | 1016.3 | 945.9 | 884.4 | 830.2 | 746.8 | 654.6 |
| 67.5° | 1842.5 | 1547.5 | 1325.0 | 1156.3 | 1023.0 | 923.7 | 820.2 | 723.1 | 669.8 | 602.5 | 555.6 |
| 70° | 1890.3 | 1479.0 | 1168.5 | 952.3 | 772.7 | 654.3 | 532.2 | 426.2 | 377.2 | 358.3 | 359.9 |
| 72.5° | 1705.2 | 1169.1 | 828.4 | 605.9 | 474.3 | 376.0 | 305.7 | 235.0 | 183.6 | 154.1 | 150.4 |
| 75° | 1114.0 | 650.6 | 393.3 | 274.0 | 218.0 | 173.5 | 136.7 | 115.1 | 99.3 | 80.1 | 67.0 |
| 77.5° | 421.1 | 247.8 | 176.6 | 144.0 | 106.6 | 74.3 | 57.8 | 48.7 | 44.8 | 43.5 | 39.3 |
| 80° | 215.9 | 172.0 | 123.0 | 81.0 | 56.6 | 45.4 | 38.1 | 32.3 | 29.8 | 28.6 | 29.2 |
| 82.5° | 145.5 | 108.4 | 67.9 | 48.7 | 39.3 | 33.8 | 26.8 | 22.5 | 20.1 | 19.8 | 21.3 |
| 85° | 81.0 | 54.2 | 39.6 | 32.9 | 28.9 | 25.3 | 20.4 | 16.7 | 15.5 | 16.4 | 19.2 |
| 87.5° | 25.3 | 25.0 | 18.0 | 14.6 | 15.2 | 13.1 | 9.7 | 7.3 | 7.3 | 9.4 | 13.4 |
| 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-E01-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 |
| 2.5° | 521.2 | 521.8 | 523.0 | 522.1 | 522.4 | 522.7 | 523.7 | 524.9 | 524.0 | 523.3 | 525.2 |
| 5° | 513.9 | 513.9 | 515.4 | 514.8 | 516.0 | 517.3 | 517.9 | 520.0 | 519.4 | 518.8 | 521.2 |
| 7.5° | 500.5 | 500.8 | 503.0 | 502.3 | 504.8 | 505.1 | 507.5 | 509.3 | 509.3 | 510.6 | 512.7 |
| 10° | 483.5 | 483.5 | 485.3 | 485.6 | 487.1 | 488.3 | 491.1 | 494.4 | 495.0 | 497.2 | 500.2 |
| 12.5° | 464.3 | 463.7 | 465.2 | 465.2 | 466.4 | 467.9 | 471.0 | 474.9 | 475.6 | 478.9 | 482.9 |
| 15° | 440.5 | 439.6 | 439.0 | 439.6 | 440.2 | 440.5 | 445.1 | 449.1 | 451.5 | 455.2 | 459.1 |
| 17.5° | 417.7 | 414.4 | 412.8 | 412.8 | 413.1 | 413.1 | 415.0 | 419.5 | 422.9 | 428.7 | 434.5 |
| 20° | 397.3 | 391.5 | 389.4 | 384.5 | 383.6 | 381.5 | 383.0 | 388.2 | 394.3 | 398.8 | 403.4 |
| 22.5° | 378.1 | 372.0 | 365.9 | 360.2 | 355.6 | 352.9 | 355.6 | 358.9 | 361.1 | 364.7 | 365.9 |
| 25° | 363.5 | 353.5 | 344.9 | 335.8 | 330.9 | 328.5 | 328.2 | 327.9 | 326.1 | 325.5 | 325.5 |
| 27.5° | 351.9 | 340.1 | 327.3 | 317.2 | 310.5 | 306.0 | 300.8 | 297.1 | 292.6 | 286.5 | 283.4 |
| 30° | 342.2 | 329.4 | 315.4 | 303.5 | 295.0 | 286.2 | 275.5 | 267.3 | 259.1 | 251.8 | 245.4 |
| 32.5° | 333.4 | 320.3 | 306.6 | 294.1 | 279.5 | 264.3 | 250.9 | 241.1 | 226.8 | 217.1 | 208.9 |
| 35° | 326.7 | 313.6 | 300.8 | 284.4 | 264.3 | 244.8 | 227.4 | 213.1 | 198.5 | 185.7 | 174.8 |
| 37.5° | 321.8 | 310.8 | 297.1 | 274.9 | 249.6 | 226.2 | 207.9 | 190.9 | 173.5 | 156.2 | 142.5 |
| 40° | 320.3 | 310.8 | 293.5 | 264.6 | 235.6 | 210.4 | 189.4 | 168.4 | 149.2 | 130.6 | 116.6 |
| 42.5° | 321.2 | 311.1 | 287.7 | 255.4 | 224.1 | 196.7 | 172.9 | 148.6 | 125.7 | 105.9 | 91.9 |
| 45° | 324.5 | 311.1 | 281.6 | 245.4 | 213.4 | 184.2 | 155.9 | 127.0 | 100.5 | 84.6 | 78.5 |
| 47.5° | 334.6 | 313.3 | 276.7 | 238.1 | 204.0 | 170.5 | 136.7 | 103.8 | 81.3 | 74.6 | 74.6 |
| 50° | 350.1 | 319.7 | 276.1 | 232.6 | 193.3 | 154.7 | 113.0 | 81.9 | 71.9 | 71.5 | 73.4 |
| 52.5° | 376.6 | 330.9 | 279.2 | 228.9 | 182.1 | 133.3 | 88.0 | 70.6 | 68.5 | 70.3 | 73.1 |
| 55° | 428.1 | 350.7 | 283.4 | 222.2 | 163.2 | 104.4 | 72.2 | 67.0 | 67.9 | 70.0 | 72.5 |
| 57.5° | 522.1 | 390.6 | 288.0 | 207.9 | 132.1 | 79.2 | 65.5 | 65.8 | 67.3 | 69.4 | 71.5 |
| 60° | 587.0 | 439.9 | 297.1 | 183.9 | 98.3 | 65.5 | 62.7 | 65.2 | 67.0 | 68.5 | 70.3 |
| 62.5° | 592.5 | 457.9 | 303.8 | 156.8 | 73.1 | 59.7 | 60.3 | 63.9 | 66.4 | 67.0 | 67.9 |
| 65° | 559.6 | 434.8 | 284.7 | 129.4 | 60.6 | 56.6 | 58.8 | 62.1 | 64.5 | 64.8 | 65.8 |
| 67.5° | 487.7 | 386.3 | 243.0 | 98.3 | 55.4 | 54.5 | 56.9 | 59.1 | 60.9 | 62.4 | 63.6 |
| 70° | 377.8 | 315.4 | 195.5 | 76.4 | 51.5 | 51.1 | 53.3 | 55.7 | 57.5 | 59.1 | 60.9 |
| 72.5° | 199.1 | 224.1 | 145.5 | 61.2 | 47.2 | 47.5 | 49.6 | 51.8 | 53.0 | 54.5 | 56.3 |
| 75° | 61.8 | 95.0 | 89.8 | 49.0 | 42.0 | 43.2 | 44.4 | 46.3 | 48.4 | 49.3 | 50.2 |
| 77.5° | 36.5 | 38.7 | 46.9 | 38.4 | 36.5 | 37.4 | 39.0 | 40.5 | 42.0 | 43.2 | 44.1 |
| 80° | 29.5 | 30.1 | 30.4 | 30.4 | 30.4 | 31.7 | 32.9 | 35.0 | 36.2 | 36.8 | 37.1 |
| 82.5° | 23.1 | 24.7 | 25.0 | 24.4 | 25.3 | 26.5 | 27.1 | 28.3 | 28.6 | 29.2 | 29.8 |
| 85° | 19.2 | 18.9 | 19.5 | 19.8 | 18.6 | 18.6 | 18.0 | 18.0 | 19.2 | 21.3 | 21.6 |
| 87.5° | 14.9 | 13.1 | 10.7 | 10.0 | 9.4 | 8.8 | 8.2 | 8.2 | 8.5 | 9.7 | 10.7 |
| 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: P141299

CATALOG NUMBER: CEM-E01-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 524.0 | 524.0 | 524.0 | 524.0 | 524.0 |
| 2.5° | 525.2 | 524.9 | 525.5 | 526.4 | 525.8 |
| 5° | 521.5 | 521.5 | 522.7 | 523.7 | 523.0 |
| 7.5° | 514.2 | 514.5 | 516.3 | 517.6 | 517.0 |
| 10° | 502.6 | 503.3 | 505.4 | 507.2 | 508.1 |
| 12.5° | 485.3 | 487.4 | 490.2 | 492.0 | 492.0 |
| 15° | 463.4 | 466.7 | 469.8 | 472.5 | 471.0 |
| 17.5° | 438.4 | 442.4 | 446.3 | 447.8 | 446.3 |
| 20° | 408.3 | 408.6 | 411.0 | 412.5 | 411.9 |
| 22.5° | 367.2 | 365.9 | 367.2 | 367.8 | 368.7 |
| 25° | 325.2 | 323.0 | 321.8 | 323.6 | 324.5 |
| 27.5° | 282.2 | 279.2 | 280.1 | 278.0 | 275.5 |
| 30° | 240.5 | 237.8 | 234.4 | 233.5 | 235.0 |
| 32.5° | 203.7 | 196.7 | 193.9 | 188.8 | 190.9 |
| 35° | 164.7 | 157.7 | 151.0 | 149.2 | 148.0 |
| 37.5° | 132.7 | 124.2 | 116.0 | 113.3 | 112.6 |
| 40° | 103.8 | 96.8 | 91.3 | 89.8 | 89.2 |
| 42.5° | 84.3 | 81.3 | 80.4 | 80.4 | 80.7 |
| 45° | 77.0 | 77.3 | 78.2 | 78.9 | 79.2 |
| 47.5° | 75.5 | 76.7 | 77.9 | 79.2 | 79.5 |
| 50° | 75.5 | 76.4 | 77.3 | 78.5 | 78.9 |
| 52.5° | 74.9 | 75.8 | 76.1 | 76.7 | 77.3 |
| 55° | 74.3 | 74.6 | 74.6 | 74.9 | 75.5 |
| 57.5° | 72.8 | 73.1 | 72.5 | 72.8 | 74.0 |
| 60° | 71.2 | 71.5 | 70.9 | 71.5 | 71.9 |
| 62.5° | 69.1 | 69.1 | 68.8 | 69.1 | 69.4 |
| 65° | 66.7 | 65.8 | 66.4 | 66.1 | 66.4 |
| 67.5° | 63.6 | 62.4 | 62.1 | 62.1 | 62.4 |
| 70° | 59.4 | 58.5 | 58.1 | 58.8 | 59.4 |
| 72.5° | 54.2 | 54.8 | 55.7 | 56.6 | 58.1 |
| 75° | 50.5 | 51.5 | 52.7 | 55.7 | 57.8 |
| 77.5° | 45.4 | 45.1 | 46.3 | 49.6 | 52.7 |
| 80° | 37.8 | 38.1 | 37.8 | 38.7 | 39.3 |
| 82.5° | 28.9 | 28.6 | 27.7 | 27.7 | 27.1 |
| 85° | 20.4 | 19.5 | 18.3 | 18.0 | 17.7 |
| 87.5° | 10.4 | 11.0 | 10.0 | 9.1 | 9.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)