

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: P141141

Luminaire Tested: **CEM-E01-LED-E-U-SL3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141141
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33691)
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-SL3-7050
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2969.4 lumens
Efficiency: N/A
Efficacy: 120.2 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

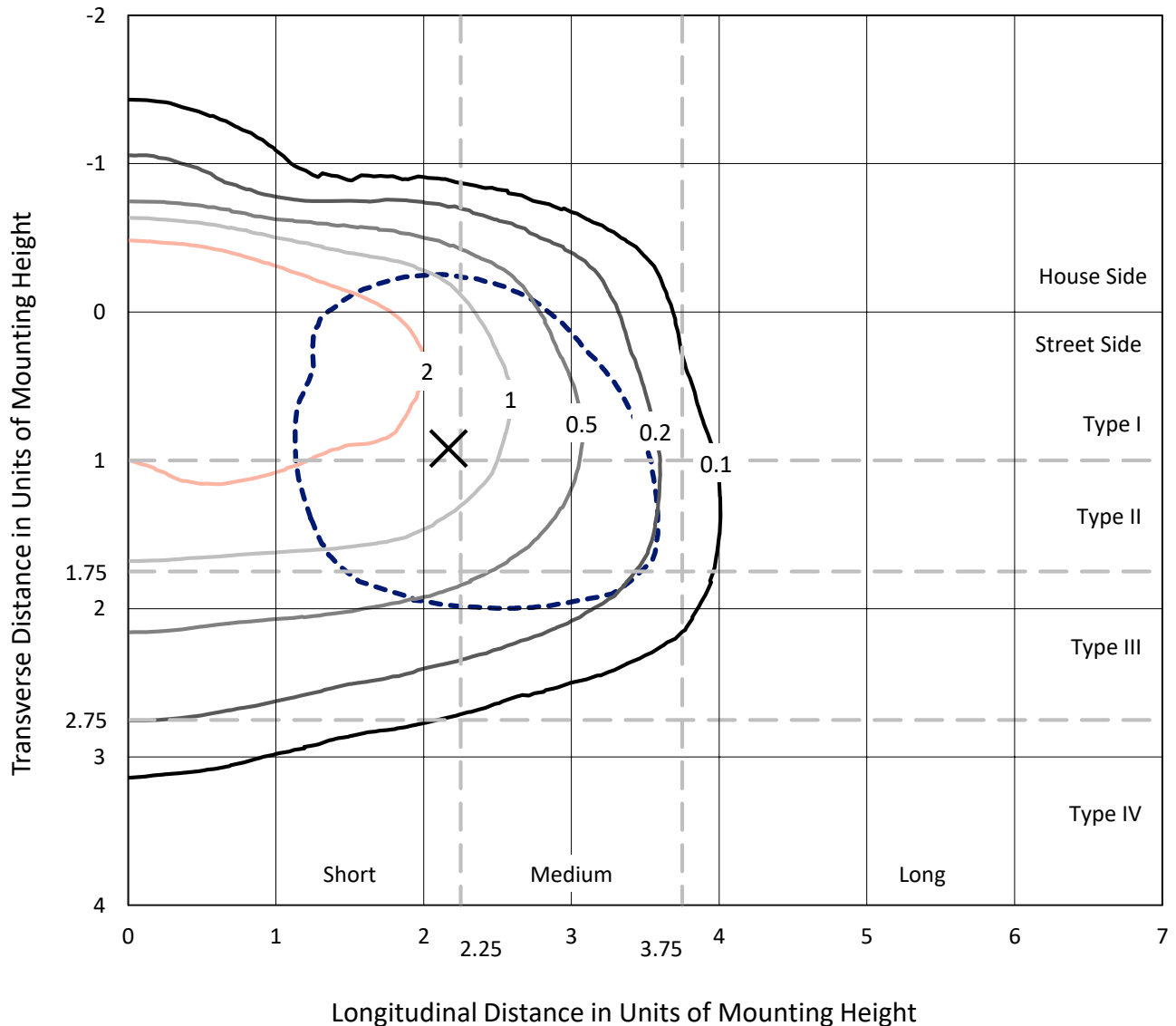
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P141141
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Iso-Footcandle Lines of Horizontal Illumination

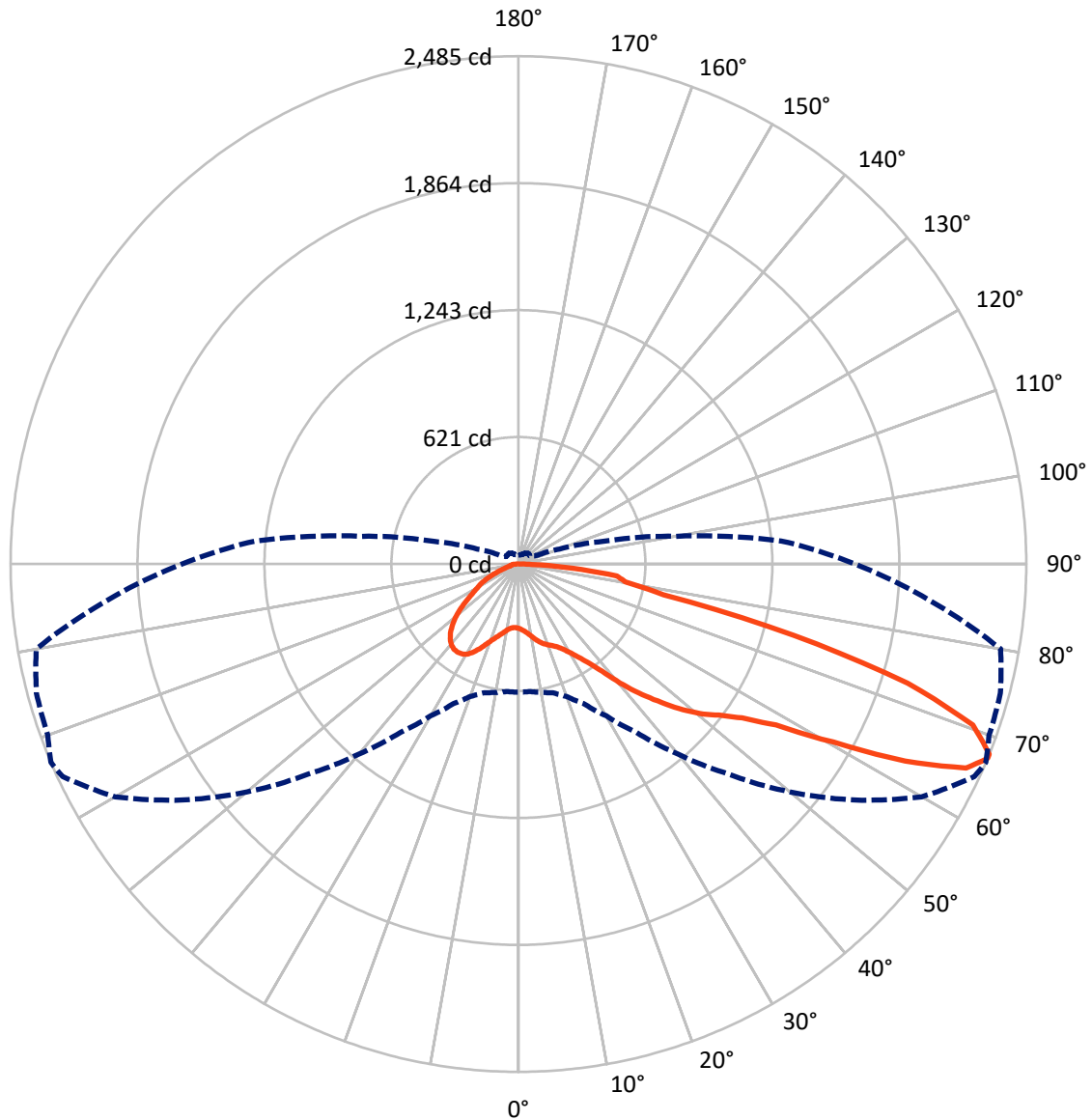
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 683.1 | 0.0 | 683.1 |
| | % Fixture | 23.0 | 0.0 | 23.0 |
| Street Side | Lumens | 2286.3 | 0.0 | 2286.3 |
| | % Fixture | 77.0 | 0.0 | 77.0 |
| Total | Lumens | 2969.4 | 0.0 | 2969.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.6 | 1.1 |
| 10°-20° | 109.2 | 3.7 |
| 20°-30° | 194.4 | 6.5 |
| 30°-40° | 279.4 | 9.4 |
| 40°-50° | 425.9 | 14.3 |
| 50°-60° | 622.1 | 20.9 |
| 60°-70° | 838.2 | 28.2 |
| 70°-80° | 411.5 | 13.9 |
| 80°-90° | 57.2 | 1.9 |
| 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° | 2969.4 | 100.0 |
| 0°-180° | 2969.4 | 100.0 |



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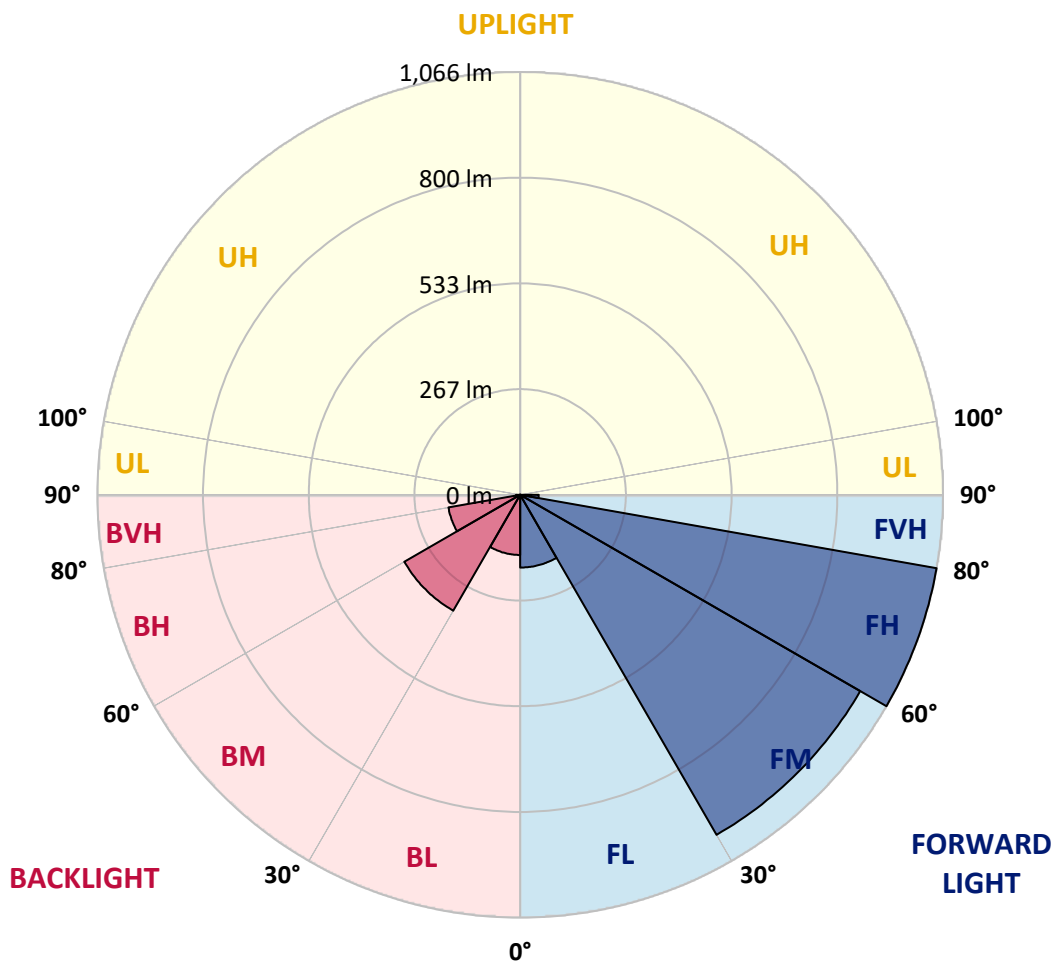
CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 183.4 | 6.2 | | | |
| FM | (30°-60°) | 989.9 | 33.3 | | | |
| FH | (60°-80°) | 1066.0 | 35.9 | | | G1/1800 |
| FVH | (80°-90°) | 46.9 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 151.7 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 337.4 | 11.4 | B1/1000 | | |
| BH | (60°-80°) | 183.7 | 6.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 10.3 | 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-G1

Type III Short





REPORT NUMBER: P141141

CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 |
| 2.5° | 331.4 | 329.7 | 331.1 | 330.7 | 329.7 | 328.4 | 329.0 | 328.0 | 327.3 | 326.3 | 325.3 |
| 5° | 353.0 | 352.0 | 351.3 | 350.2 | 349.6 | 348.5 | 347.8 | 346.1 | 343.7 | 342.0 | 340.7 |
| 7.5° | 374.2 | 373.8 | 372.8 | 371.5 | 368.7 | 368.0 | 365.6 | 363.9 | 361.9 | 358.5 | 355.7 |
| 10° | 399.2 | 398.8 | 397.1 | 395.1 | 392.0 | 388.9 | 386.2 | 382.1 | 377.9 | 374.9 | 372.5 |
| 12.5° | 429.3 | 427.5 | 424.1 | 421.4 | 418.0 | 413.2 | 408.7 | 403.9 | 398.1 | 393.3 | 390.6 |
| 15° | 459.4 | 457.3 | 454.6 | 450.8 | 445.7 | 439.2 | 432.7 | 425.5 | 416.6 | 410.4 | 406.7 |
| 17.5° | 484.0 | 482.6 | 479.5 | 474.4 | 469.3 | 461.4 | 452.9 | 442.9 | 432.0 | 422.8 | 416.9 |
| 20° | 501.8 | 500.4 | 495.6 | 489.5 | 482.6 | 473.7 | 464.5 | 453.5 | 440.5 | 429.3 | 422.8 |
| 22.5° | 509.3 | 507.2 | 501.8 | 493.6 | 484.3 | 473.4 | 463.5 | 454.2 | 442.3 | 433.7 | 426.9 |
| 25° | 511.7 | 509.3 | 502.1 | 491.8 | 479.9 | 465.9 | 454.6 | 447.4 | 440.2 | 437.1 | 434.7 |
| 27.5° | 510.3 | 508.3 | 500.4 | 487.7 | 471.7 | 455.2 | 443.3 | 438.1 | 438.5 | 444.3 | 447.0 |
| 30° | 505.5 | 503.1 | 496.0 | 481.9 | 464.8 | 447.0 | 436.4 | 434.7 | 442.6 | 457.3 | 468.2 |
| 32.5° | 497.7 | 496.0 | 490.1 | 478.2 | 462.8 | 447.4 | 439.9 | 443.6 | 457.3 | 480.2 | 499.0 |
| 35° | 495.6 | 495.3 | 492.5 | 486.0 | 474.7 | 464.8 | 461.7 | 472.4 | 494.9 | 526.4 | 550.3 |
| 37.5° | 495.3 | 497.0 | 498.3 | 498.3 | 496.0 | 495.3 | 504.5 | 519.2 | 552.7 | 592.1 | 631.1 |
| 40° | 502.1 | 505.2 | 512.0 | 520.9 | 529.5 | 541.8 | 560.6 | 588.3 | 623.2 | 671.1 | 719.6 |
| 42.5° | 523.3 | 530.2 | 541.8 | 557.2 | 579.4 | 602.3 | 632.8 | 667.3 | 712.1 | 760.3 | 808.6 |
| 45° | 564.7 | 574.6 | 583.2 | 607.5 | 636.9 | 663.9 | 703.6 | 749.1 | 798.3 | 858.9 | 910.8 |
| 47.5° | 619.4 | 626.6 | 644.4 | 670.0 | 706.0 | 744.6 | 782.9 | 822.6 | 881.8 | 945.0 | 1008.0 |
| 50° | 674.2 | 679.6 | 698.4 | 728.5 | 775.7 | 818.1 | 861.9 | 901.3 | 952.2 | 1019.3 | 1080.8 |
| 52.5° | 714.9 | 722.4 | 738.8 | 768.2 | 821.2 | 869.5 | 919.4 | 962.8 | 1020.3 | 1080.5 | 1144.8 |
| 55° | 742.9 | 747.7 | 762.7 | 791.5 | 841.4 | 896.5 | 952.9 | 1006.3 | 1074.7 | 1142.7 | 1206.7 |
| 57.5° | 747.3 | 752.1 | 765.8 | 791.1 | 839.7 | 897.5 | 962.1 | 1027.5 | 1110.2 | 1200.2 | 1284.0 |
| 60° | 742.2 | 746.0 | 757.9 | 778.8 | 824.6 | 887.9 | 964.9 | 1047.0 | 1148.9 | 1264.8 | 1384.6 |
| 62.5° | 719.3 | 723.1 | 734.0 | 751.1 | 791.8 | 860.2 | 956.7 | 1075.7 | 1204.0 | 1349.7 | 1525.1 |
| 65° | 676.2 | 678.6 | 688.9 | 702.5 | 743.6 | 813.0 | 919.4 | 1069.9 | 1247.4 | 1445.8 | 1672.9 |
| 67° | 627.3 | 626.3 | 637.9 | 651.6 | 689.2 | 753.2 | 857.1 | 1005.2 | 1212.9 | 1453.3 | 1734.8 |
| 67.5° | 612.2 | 615.0 | 626.3 | 635.8 | 672.4 | 734.3 | 833.9 | 980.3 | 1183.4 | 1436.2 | 1733.8 |
| 70° | 505.5 | 510.7 | 516.8 | 523.0 | 555.1 | 600.6 | 673.8 | 815.4 | 979.6 | 1219.0 | 1574.0 |
| 72.5° | 346.8 | 336.6 | 341.0 | 339.0 | 348.9 | 377.6 | 428.6 | 553.1 | 683.4 | 889.3 | 1168.4 |
| 75° | 175.8 | 187.1 | 185.7 | 194.3 | 208.3 | 226.4 | 250.0 | 296.5 | 398.8 | 519.9 | 723.1 |
| 77.5° | 98.5 | 95.8 | 105.3 | 107.4 | 115.6 | 134.8 | 176.5 | 237.7 | 284.6 | 334.2 | 408.7 |
| 80° | 44.8 | 49.6 | 52.7 | 47.9 | 49.6 | 53.7 | 69.8 | 109.5 | 184.0 | 280.1 | 322.2 |
| 82.5° | 25.0 | 26.7 | 31.1 | 31.5 | 32.8 | 33.9 | 36.6 | 42.4 | 57.1 | 115.6 | 227.5 |
| 85° | 15.7 | 16.4 | 20.9 | 22.9 | 23.9 | 23.9 | 23.9 | 25.3 | 29.1 | 34.2 | 58.8 |
| 87.5° | 5.8 | 6.2 | 9.6 | 12.7 | 13.0 | 12.3 | 11.6 | 13.3 | 12.3 | 12.7 | 19.2 |
| 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-SL3-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 |
| 2.5° | 324.6 | 323.2 | 321.9 | 321.5 | 320.5 | 319.8 | 318.1 | 316.7 | 315.4 | 314.3 | 313.3 |
| 5° | 337.6 | 334.9 | 332.5 | 331.4 | 330.1 | 328.4 | 324.9 | 322.5 | 320.5 | 318.4 | 316.4 |
| 7.5° | 352.3 | 348.9 | 345.5 | 344.1 | 342.0 | 339.0 | 335.2 | 332.5 | 329.0 | 326.0 | 323.2 |
| 10° | 368.7 | 365.0 | 362.2 | 360.8 | 359.1 | 354.7 | 352.3 | 347.5 | 343.7 | 339.6 | 336.2 |
| 12.5° | 386.5 | 384.8 | 381.0 | 379.7 | 377.9 | 374.9 | 371.5 | 367.3 | 362.6 | 358.1 | 354.0 |
| 15° | 402.6 | 399.8 | 397.4 | 397.1 | 396.1 | 394.4 | 389.9 | 385.5 | 381.4 | 375.6 | 372.1 |
| 17.5° | 412.5 | 411.5 | 411.1 | 410.8 | 410.1 | 409.1 | 407.0 | 402.2 | 398.5 | 393.7 | 388.9 |
| 20° | 418.7 | 419.7 | 421.4 | 422.8 | 423.4 | 424.1 | 423.1 | 418.3 | 414.5 | 410.4 | 406.3 |
| 22.5° | 425.1 | 427.9 | 432.3 | 434.4 | 436.8 | 440.2 | 439.5 | 436.4 | 434.4 | 429.6 | 426.5 |
| 25° | 434.4 | 439.9 | 447.4 | 450.1 | 454.6 | 459.0 | 460.0 | 458.3 | 456.3 | 452.9 | 452.9 |
| 27.5° | 450.1 | 458.0 | 467.9 | 473.7 | 478.2 | 484.3 | 486.4 | 485.3 | 485.7 | 483.6 | 488.4 |
| 30° | 474.7 | 485.7 | 499.0 | 505.2 | 510.7 | 517.8 | 519.2 | 521.3 | 519.9 | 523.7 | 529.5 |
| 32.5° | 512.0 | 525.7 | 539.4 | 545.2 | 550.0 | 557.5 | 562.0 | 560.6 | 565.4 | 567.8 | 576.0 |
| 35° | 569.5 | 583.2 | 593.8 | 594.8 | 600.3 | 604.4 | 608.5 | 607.1 | 620.1 | 625.2 | 629.7 |
| 37.5° | 648.8 | 660.5 | 667.0 | 664.6 | 658.1 | 665.9 | 671.4 | 679.6 | 687.8 | 697.1 | 680.6 |
| 40° | 751.8 | 770.3 | 767.5 | 764.1 | 751.8 | 753.5 | 755.9 | 760.3 | 774.0 | 770.9 | 724.1 |
| 42.5° | 849.6 | 868.4 | 865.3 | 861.6 | 845.2 | 836.6 | 843.1 | 851.0 | 858.5 | 829.4 | 759.7 |
| 45° | 948.5 | 965.6 | 950.9 | 956.0 | 941.3 | 937.5 | 950.2 | 954.6 | 946.1 | 892.7 | 789.8 |
| 47.5° | 1051.1 | 1069.5 | 1062.4 | 1057.2 | 1046.6 | 1045.6 | 1052.8 | 1059.6 | 1025.8 | 938.5 | 812.3 |
| 50° | 1129.7 | 1157.1 | 1153.3 | 1150.3 | 1138.6 | 1137.3 | 1154.4 | 1159.2 | 1098.3 | 987.1 | 834.9 |
| 52.5° | 1190.3 | 1225.9 | 1232.7 | 1228.6 | 1225.9 | 1226.5 | 1275.8 | 1268.6 | 1184.5 | 1045.9 | 861.2 |
| 55° | 1261.8 | 1298.7 | 1323.7 | 1328.8 | 1335.6 | 1345.6 | 1443.0 | 1432.4 | 1303.5 | 1130.8 | 888.9 |
| 57.5° | 1356.5 | 1424.9 | 1462.5 | 1485.8 | 1504.6 | 1568.9 | 1692.7 | 1652.0 | 1468.4 | 1240.2 | 921.8 |
| 60° | 1496.1 | 1631.8 | 1709.8 | 1769.0 | 1806.3 | 1918.5 | 2068.6 | 1918.8 | 1659.9 | 1371.6 | 964.9 |
| 62.5° | 1720.1 | 1941.7 | 2090.9 | 2124.4 | 2140.1 | 2246.8 | 2354.2 | 2123.0 | 1798.1 | 1458.4 | 971.7 |
| 65° | 1937.3 | 2214.3 | 2388.4 | 2407.9 | 2396.3 | 2425.0 | 2455.1 | 2129.2 | 1765.9 | 1417.4 | 891.7 |
| 67° | 2013.9 | 2278.6 | 2461.6 | 2485.2 | 2451.0 | 2441.8 | 2396.0 | 2017.0 | 1645.9 | 1291.5 | 780.2 |
| 67.5° | 2009.8 | 2271.1 | 2460.9 | 2484.9 | 2451.0 | 2436.3 | 2368.9 | 1971.8 | 1598.7 | 1260.7 | 758.6 |
| 70° | 1852.5 | 2103.5 | 2314.9 | 2359.7 | 2340.9 | 2301.9 | 2122.7 | 1670.2 | 1324.7 | 1034.3 | 584.9 |
| 72.5° | 1503.9 | 1775.2 | 1942.8 | 1992.4 | 2005.7 | 1905.5 | 1580.9 | 1169.1 | 955.0 | 739.1 | 424.1 |
| 75° | 1009.7 | 1279.2 | 1416.4 | 1391.4 | 1310.3 | 1139.7 | 834.6 | 616.7 | 523.3 | 429.9 | 262.3 |
| 77.5° | 572.6 | 780.5 | 769.9 | 726.8 | 658.4 | 487.4 | 236.7 | 128.3 | 122.4 | 143.0 | 111.2 |
| 80° | 382.4 | 481.2 | 514.1 | 530.8 | 527.1 | 360.5 | 97.8 | 49.6 | 42.8 | 42.8 | 42.1 |
| 82.5° | 319.1 | 415.9 | 471.0 | 485.7 | 452.5 | 274.0 | 58.5 | 32.5 | 26.0 | 29.1 | 32.5 |
| 85° | 134.4 | 209.7 | 277.4 | 266.8 | 212.1 | 106.7 | 29.8 | 17.1 | 17.1 | 22.6 | 28.4 |
| 87.5° | 32.5 | 48.2 | 68.1 | 66.0 | 53.0 | 24.6 | 15.0 | 10.6 | 10.6 | 17.4 | 24.6 |
| 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-SL3-7050

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 |
| 2.5° | 313.0 | 311.6 | 311.6 | 310.2 | 309.5 | 308.9 | 308.5 | 308.9 | 307.8 | 306.8 | 307.1 |
| 5° | 314.7 | 312.6 | 311.6 | 309.2 | 307.8 | 306.5 | 305.4 | 305.1 | 303.4 | 302.4 | 302.4 |
| 7.5° | 320.5 | 317.8 | 315.7 | 313.0 | 310.2 | 308.2 | 306.5 | 305.4 | 303.0 | 301.3 | 301.0 |
| 10° | 332.5 | 328.7 | 325.6 | 321.5 | 317.8 | 315.0 | 311.9 | 310.2 | 307.5 | 305.8 | 305.1 |
| 12.5° | 350.2 | 344.8 | 340.0 | 333.8 | 329.4 | 325.3 | 323.6 | 320.8 | 319.8 | 318.8 | 319.1 |
| 15° | 367.0 | 360.5 | 356.1 | 351.3 | 346.1 | 343.7 | 340.3 | 340.0 | 340.3 | 338.6 | 338.6 |
| 17.5° | 384.1 | 379.0 | 373.8 | 372.1 | 367.3 | 365.6 | 363.2 | 361.9 | 358.8 | 355.7 | 352.0 |
| 20° | 401.9 | 399.2 | 397.1 | 395.1 | 394.0 | 389.9 | 383.8 | 376.6 | 366.7 | 357.8 | 350.2 |
| 22.5° | 424.8 | 423.1 | 423.4 | 421.7 | 416.3 | 406.0 | 392.0 | 376.9 | 360.8 | 346.5 | 335.2 |
| 25° | 453.9 | 455.6 | 453.5 | 445.0 | 429.3 | 408.4 | 386.8 | 365.6 | 344.4 | 327.3 | 311.9 |
| 27.5° | 490.8 | 489.5 | 479.9 | 458.0 | 431.0 | 401.2 | 373.5 | 348.2 | 322.9 | 303.0 | 283.9 |
| 30° | 531.2 | 521.3 | 496.3 | 462.1 | 424.1 | 388.2 | 354.0 | 324.6 | 295.2 | 271.9 | 250.4 |
| 32.5° | 571.9 | 543.5 | 503.1 | 457.3 | 412.2 | 369.7 | 331.4 | 296.9 | 263.0 | 237.0 | 212.1 |
| 35° | 602.7 | 557.2 | 502.1 | 447.0 | 394.0 | 345.5 | 301.0 | 258.2 | 218.9 | 187.8 | 162.5 |
| 37.5° | 631.1 | 564.7 | 495.3 | 431.3 | 369.1 | 313.3 | 257.9 | 211.7 | 172.0 | 140.9 | 119.0 |
| 40° | 648.5 | 564.0 | 481.9 | 405.3 | 334.5 | 266.1 | 205.9 | 158.4 | 123.5 | 100.6 | 88.6 |
| 42.5° | 658.8 | 556.8 | 459.0 | 370.8 | 287.0 | 213.1 | 151.9 | 109.1 | 87.9 | 78.0 | 72.5 |
| 45° | 663.9 | 541.4 | 430.6 | 324.6 | 229.5 | 152.2 | 104.7 | 78.7 | 70.1 | 67.4 | 66.0 |
| 47.5° | 660.8 | 519.9 | 389.9 | 272.6 | 171.0 | 104.3 | 74.9 | 66.4 | 63.6 | 62.3 | 61.9 |
| 50° | 653.6 | 491.8 | 347.2 | 216.2 | 121.4 | 74.9 | 62.9 | 60.5 | 59.5 | 59.2 | 58.5 |
| 52.5° | 643.4 | 458.7 | 298.3 | 167.6 | 86.2 | 62.3 | 58.8 | 57.8 | 57.1 | 56.1 | 55.8 |
| 55° | 626.3 | 417.6 | 248.3 | 123.5 | 69.1 | 58.8 | 57.1 | 56.8 | 55.4 | 54.4 | 53.7 |
| 57.5° | 605.7 | 373.8 | 201.1 | 96.8 | 63.6 | 57.5 | 56.4 | 56.1 | 54.7 | 53.4 | 52.0 |
| 60° | 595.5 | 343.1 | 165.5 | 83.8 | 62.6 | 58.1 | 57.5 | 56.8 | 55.1 | 53.0 | 51.3 |
| 62.5° | 570.2 | 309.9 | 142.6 | 79.7 | 64.0 | 60.5 | 60.2 | 58.8 | 56.4 | 54.4 | 51.6 |
| 65° | 504.8 | 263.0 | 121.4 | 75.6 | 66.0 | 64.3 | 65.0 | 63.3 | 60.5 | 57.1 | 52.7 |
| 67° | 426.5 | 213.8 | 102.6 | 72.5 | 68.4 | 69.4 | 70.5 | 69.4 | 65.0 | 59.9 | 54.0 |
| 67.5° | 405.3 | 199.1 | 97.5 | 71.5 | 69.1 | 70.5 | 72.2 | 71.1 | 66.4 | 60.5 | 54.7 |
| 70° | 304.8 | 142.6 | 77.3 | 67.7 | 71.5 | 75.2 | 78.7 | 78.3 | 73.5 | 66.4 | 57.1 |
| 72.5° | 210.7 | 97.5 | 62.6 | 63.3 | 69.4 | 76.3 | 80.7 | 82.8 | 78.0 | 69.4 | 58.5 |
| 75° | 126.9 | 62.3 | 52.7 | 57.1 | 63.3 | 70.1 | 77.3 | 78.0 | 72.5 | 64.0 | 54.7 |
| 77.5° | 62.3 | 44.8 | 43.4 | 45.1 | 51.0 | 56.8 | 59.9 | 56.1 | 52.7 | 46.9 | 43.4 |
| 80° | 37.6 | 35.2 | 34.5 | 38.3 | 41.7 | 40.7 | 38.3 | 35.2 | 33.5 | 32.2 | 30.8 |
| 82.5° | 31.5 | 31.8 | 32.5 | 33.2 | 32.5 | 28.7 | 24.6 | 22.6 | 21.2 | 21.2 | 21.5 |
| 85° | 32.2 | 32.8 | 30.1 | 27.7 | 24.6 | 20.5 | 16.8 | 14.4 | 14.7 | 15.0 | 15.0 |
| 87.5° | 25.0 | 23.9 | 21.2 | 17.4 | 14.0 | 10.3 | 8.2 | 6.8 | 7.5 | 7.2 | 7.9 |
| 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: P141141

CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7050

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 315.0 | 315.0 | 315.0 | 315.0 | 315.0 |
| 2.5° | 307.1 | 306.8 | 307.1 | 307.1 | 307.5 |
| 5° | 301.7 | 301.0 | 301.0 | 301.3 | 301.3 |
| 7.5° | 300.3 | 299.6 | 299.6 | 300.0 | 299.6 |
| 10° | 305.1 | 304.8 | 305.4 | 305.1 | 305.1 |
| 12.5° | 319.5 | 319.5 | 320.8 | 321.5 | 320.8 |
| 15° | 339.0 | 338.3 | 339.3 | 339.6 | 340.0 |
| 17.5° | 349.9 | 346.8 | 345.8 | 346.5 | 345.1 |
| 20° | 343.7 | 338.6 | 336.6 | 336.2 | 333.8 |
| 22.5° | 326.3 | 318.8 | 315.7 | 314.3 | 311.6 |
| 25° | 301.7 | 292.8 | 288.7 | 285.3 | 283.5 |
| 27.5° | 272.3 | 261.3 | 255.5 | 252.8 | 251.7 |
| 30° | 235.3 | 224.7 | 216.2 | 211.7 | 210.4 |
| 32.5° | 194.3 | 178.9 | 170.0 | 164.5 | 160.8 |
| 35° | 145.0 | 130.3 | 123.8 | 119.7 | 114.9 |
| 37.5° | 105.3 | 96.5 | 91.0 | 88.2 | 87.2 |
| 40° | 81.4 | 77.0 | 74.2 | 73.9 | 73.5 |
| 42.5° | 70.5 | 68.4 | 68.1 | 67.4 | 66.7 |
| 45° | 65.0 | 64.3 | 64.6 | 63.6 | 62.9 |
| 47.5° | 61.2 | 60.9 | 60.9 | 60.2 | 59.9 |
| 50° | 58.1 | 58.1 | 57.8 | 57.5 | 57.5 |
| 52.5° | 55.4 | 55.8 | 55.8 | 55.1 | 55.1 |
| 55° | 53.0 | 53.0 | 53.4 | 53.0 | 53.0 |
| 57.5° | 51.3 | 51.0 | 51.3 | 51.3 | 51.3 |
| 60° | 50.3 | 49.6 | 49.3 | 49.6 | 49.6 |
| 62.5° | 49.3 | 48.2 | 47.9 | 47.9 | 48.2 |
| 65° | 49.3 | 47.5 | 46.9 | 46.9 | 46.5 |
| 67° | 49.6 | 46.9 | 45.5 | 44.8 | 44.5 |
| 67.5° | 49.6 | 46.5 | 44.8 | 44.5 | 44.1 |
| 70° | 49.6 | 45.1 | 42.8 | 41.0 | 41.0 |
| 72.5° | 49.3 | 43.8 | 40.0 | 38.3 | 37.6 |
| 75° | 46.9 | 41.4 | 38.0 | 35.9 | 35.2 |
| 77.5° | 39.3 | 35.9 | 34.2 | 32.5 | 32.2 |
| 80° | 29.8 | 28.0 | 26.7 | 22.9 | 21.2 |
| 82.5° | 21.2 | 20.2 | 17.8 | 16.4 | 15.4 |
| 85° | 15.0 | 14.0 | 13.0 | 11.6 | 11.6 |
| 87.5° | 8.2 | 7.9 | 7.5 | 6.8 | 6.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)