

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: P141139

Luminaire Tested: **CEM-E01-LED-E-U-SL3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141139  
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-SL3-7030  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

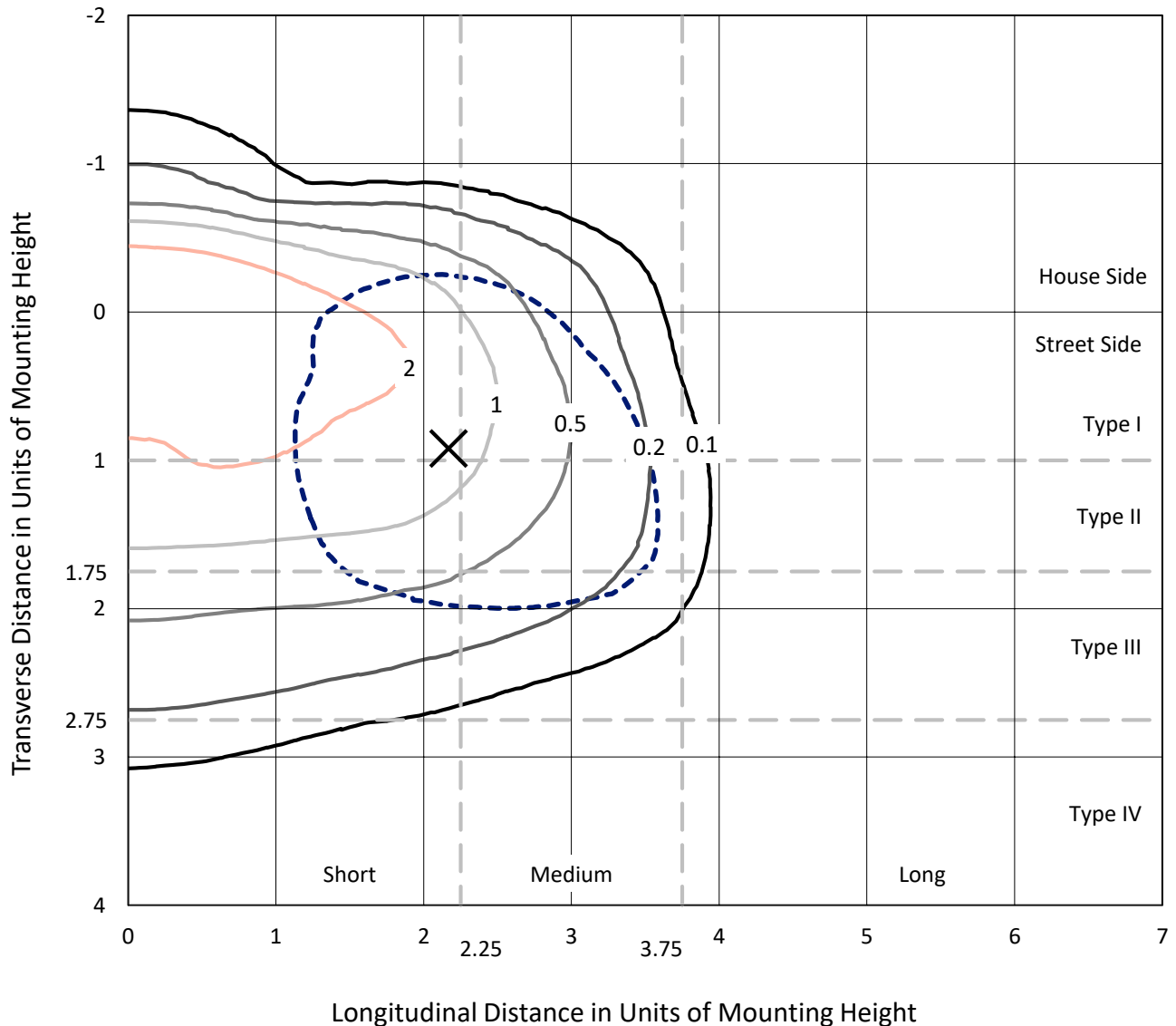
Lumens per Lamp: N/A  
Luminaire Lumens: 2643.1 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (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: P141139  
 CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

### Iso-Footcandle Lines of Horizontal Illumination

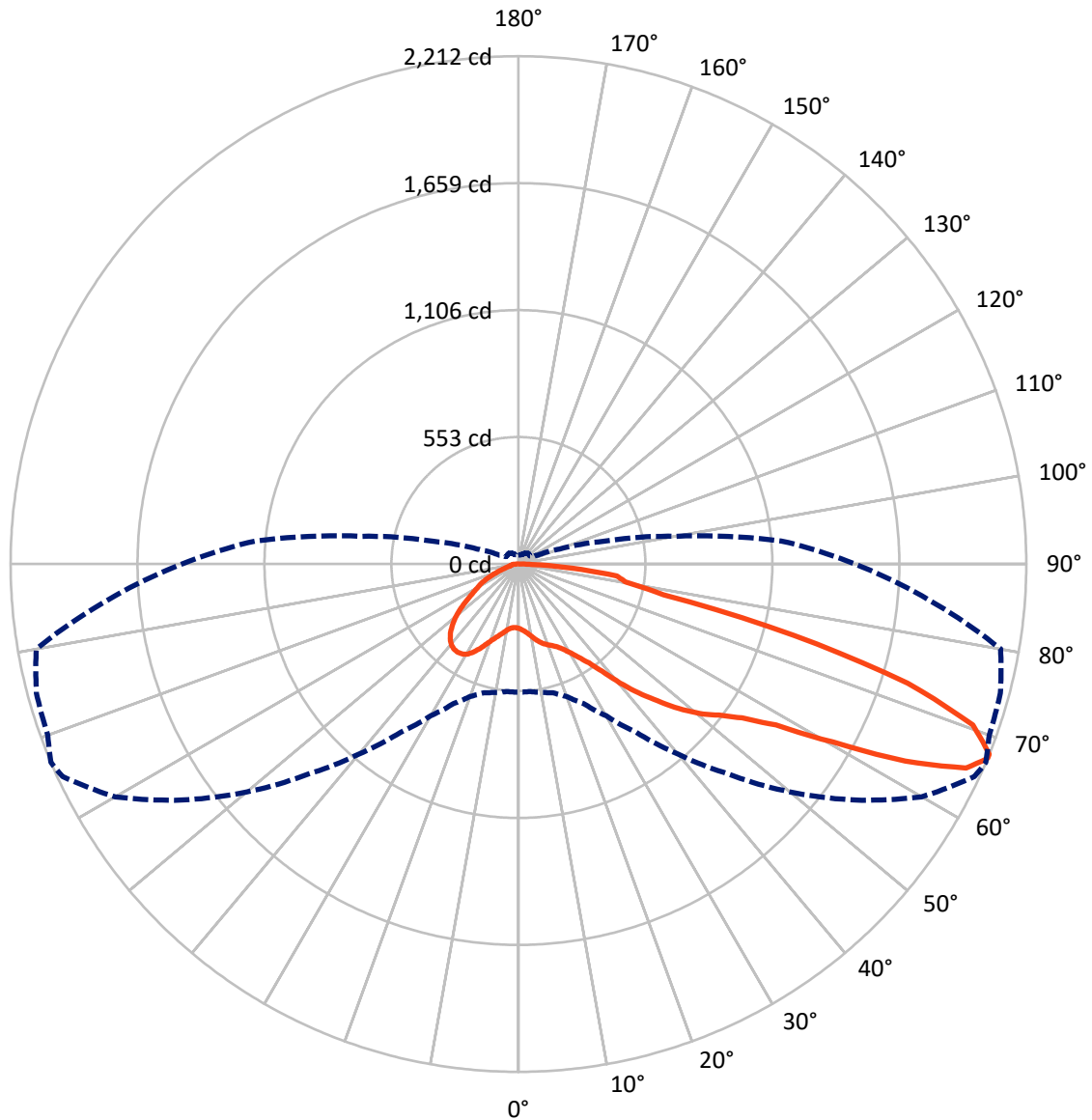
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P141139  
CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P141139

CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

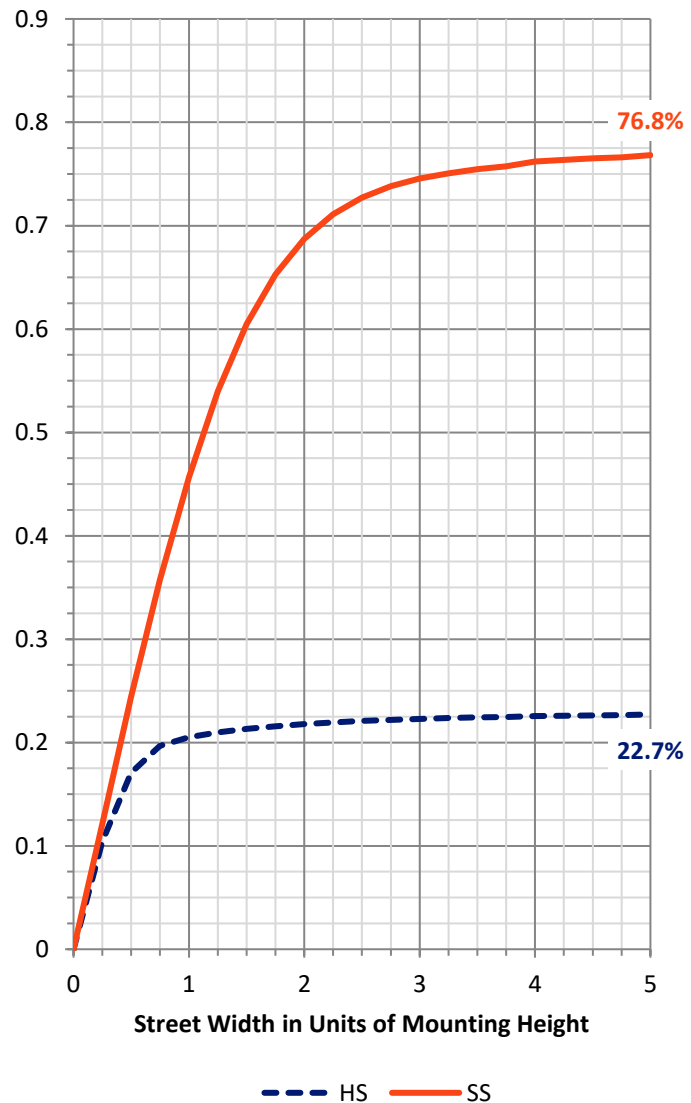
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 608.1    | 0.0    | 608.1  |
|                    | % Fixture | 23.0     | 0.0    | 23.0   |
| <b>Street Side</b> | Lumens    | 2035.1   | 0.0    | 2035.1 |
|                    | % Fixture | 77.0     | 0.0    | 77.0   |
| <b>Total</b>       | Lumens    | 2643.1   | 0.0    | 2643.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 28.1   | 1.1       |
| 10°-20°   | 97.2   | 3.7       |
| 20°-30°   | 173.0  | 6.5       |
| 30°-40°   | 248.7  | 9.4       |
| 40°-50°   | 379.1  | 14.3      |
| 50°-60°   | 553.7  | 20.9      |
| 60°-70°   | 746.1  | 28.2      |
| 70°-80°   | 366.3  | 13.9      |
| 80°-90°   | 50.9   | 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°    | 2643.1 | 100.0     |
| 0°-180°   | 2643.1 | 100.0     |



REPORT NUMBER: P141139

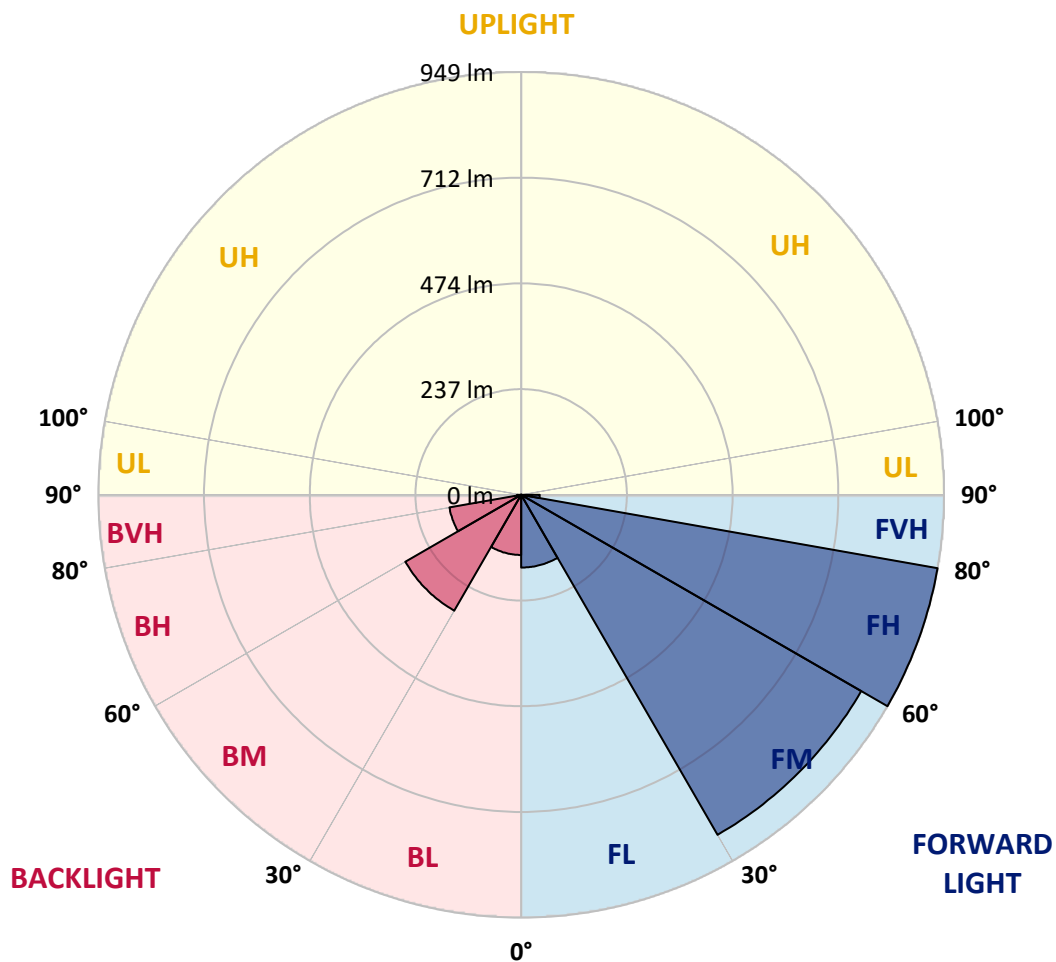
CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 163.3  | 6.2       |                         |      |         |
| FM   | (30°-60°)   | 881.2  | 33.3      |                         |      |         |
| FH   | (60°-80°)   | 948.9  | 35.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 41.8   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 135.0  | 5.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 300.3  | 11.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 163.5  | 6.2       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 9.2    | 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





REPORT NUMBER: P141139  
 CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°    | 45°    | 50°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0°    | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4  | 280.4  | 280.4  |
| 2.5°  | 295.0 | 293.5 | 294.7 | 294.4 | 293.5 | 292.3 | 292.9 | 292.0 | 291.4  | 290.4  | 289.5  |
| 5°    | 314.2 | 313.3 | 312.7 | 311.8 | 311.1 | 310.2 | 309.6 | 308.1 | 306.0  | 304.5  | 303.2  |
| 7.5°  | 333.1 | 332.8 | 331.9 | 330.6 | 328.2 | 327.6 | 325.5 | 323.9 | 322.1  | 319.1  | 316.6  |
| 10°   | 355.3 | 355.0 | 353.5 | 351.6 | 348.9 | 346.2 | 343.7 | 340.1 | 336.4  | 333.7  | 331.5  |
| 12.5° | 382.1 | 380.6 | 377.5 | 375.1 | 372.0 | 367.8 | 363.8 | 359.6 | 354.4  | 350.1  | 347.7  |
| 15°   | 408.9 | 407.0 | 404.6 | 401.3 | 396.7 | 390.9 | 385.1 | 378.7 | 370.8  | 365.3  | 362.0  |
| 17.5° | 430.8 | 429.6 | 426.8 | 422.3 | 417.7 | 410.7 | 403.1 | 394.3 | 384.5  | 376.3  | 371.1  |
| 20°   | 446.6 | 445.4 | 441.1 | 435.7 | 429.6 | 421.7 | 413.4 | 403.7 | 392.1  | 382.1  | 376.3  |
| 22.5° | 453.3 | 451.5 | 446.6 | 439.3 | 431.1 | 421.4 | 412.5 | 404.3 | 393.7  | 386.0  | 380.0  |
| 25°   | 455.5 | 453.3 | 446.9 | 437.8 | 427.1 | 414.7 | 404.6 | 398.2 | 391.8  | 389.1  | 387.0  |
| 27.5° | 454.2 | 452.4 | 445.4 | 434.1 | 419.8 | 405.2 | 394.6 | 390.0 | 390.3  | 395.5  | 397.9  |
| 30°   | 450.0 | 447.8 | 441.5 | 429.0 | 413.7 | 397.9 | 388.5 | 387.0 | 394.0  | 407.0  | 416.8  |
| 32.5° | 443.0 | 441.5 | 436.3 | 425.6 | 411.9 | 398.2 | 391.5 | 394.9 | 407.0  | 427.4  | 444.2  |
| 35°   | 441.1 | 440.8 | 438.4 | 432.6 | 422.6 | 413.7 | 411.0 | 420.4 | 440.5  | 468.5  | 489.9  |
| 37.5° | 440.8 | 442.4 | 443.6 | 443.6 | 441.5 | 440.8 | 449.1 | 462.2 | 492.0  | 527.0  | 561.7  |
| 40°   | 446.9 | 449.7 | 455.8 | 463.7 | 471.3 | 482.2 | 499.0 | 523.7 | 554.7  | 597.3  | 640.6  |
| 42.5° | 465.8 | 471.9 | 482.2 | 495.9 | 515.7 | 536.1 | 563.2 | 594.0 | 633.9  | 676.8  | 719.7  |
| 45°   | 502.6 | 511.5 | 519.1 | 540.7 | 566.9 | 590.9 | 626.3 | 666.7 | 710.6  | 764.5  | 810.8  |
| 47.5° | 551.4 | 557.8 | 573.6 | 596.4 | 628.4 | 662.8 | 696.9 | 732.2 | 784.9  | 841.2  | 897.2  |
| 50°   | 600.1 | 604.9 | 621.7 | 648.5 | 690.5 | 728.2 | 767.2 | 802.2 | 847.6  | 907.3  | 962.1  |
| 52.5° | 636.3 | 643.0 | 657.6 | 683.8 | 731.0 | 773.9 | 818.4 | 857.0 | 908.2  | 961.8  | 1019.0 |
| 55°   | 661.3 | 665.5 | 678.9 | 704.5 | 748.9 | 798.0 | 848.2 | 895.7 | 956.6  | 1017.2 | 1074.1 |
| 57.5° | 665.2 | 669.5 | 681.7 | 704.2 | 747.4 | 798.9 | 856.4 | 914.6 | 988.2  | 1068.3 | 1142.9 |
| 60°   | 660.7 | 664.0 | 674.7 | 693.2 | 734.0 | 790.4 | 858.9 | 931.9 | 1022.6 | 1125.9 | 1232.4 |
| 62.5° | 640.3 | 643.6 | 653.3 | 668.6 | 704.8 | 765.7 | 851.5 | 957.5 | 1071.7 | 1201.4 | 1357.5 |
| 65°   | 601.9 | 604.0 | 613.2 | 625.3 | 661.9 | 723.7 | 818.4 | 952.3 | 1110.3 | 1286.9 | 1489.1 |
| 67°   | 558.4 | 557.4 | 567.8 | 580.0 | 613.5 | 670.4 | 763.0 | 894.8 | 1079.6 | 1293.6 | 1544.2 |
| 67.5° | 545.0 | 547.4 | 557.4 | 566.0 | 598.5 | 653.7 | 742.2 | 872.6 | 1053.4 | 1278.4 | 1543.3 |
| 70°   | 450.0 | 454.5 | 460.0 | 465.5 | 494.1 | 534.6 | 599.8 | 725.8 | 871.9  | 1085.1 | 1401.1 |
| 72.5° | 308.7 | 299.6 | 303.5 | 301.7 | 310.5 | 336.1 | 381.5 | 492.3 | 608.3  | 791.6  | 1040.0 |
| 75°   | 156.5 | 166.5 | 165.3 | 172.9 | 185.4 | 201.5 | 222.6 | 264.0 | 355.0  | 462.8  | 643.6  |
| 77.5° | 87.7  | 85.2  | 93.8  | 95.6  | 102.9 | 120.0 | 157.1 | 211.6 | 253.3  | 297.4  | 363.8  |
| 80°   | 39.9  | 44.1  | 46.9  | 42.6  | 44.1  | 47.8  | 62.1  | 97.4  | 163.8  | 249.3  | 286.8  |
| 82.5° | 22.2  | 23.7  | 27.7  | 28.0  | 29.2  | 30.1  | 32.6  | 37.8  | 50.8   | 102.9  | 202.5  |
| 85°   | 14.0  | 14.6  | 18.6  | 20.4  | 21.3  | 21.3  | 21.3  | 22.5  | 25.9   | 30.4   | 52.4   |
| 87.5° | 5.2   | 5.5   | 8.5   | 11.3  | 11.6  | 11.0  | 10.4  | 11.9  | 11.0   | 11.3   | 17.0   |
| 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: P141139

CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 67°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 280.4  | 280.4  | 280.4  | 280.4  | 280.4  | 280.4  | 280.4  | 280.4  | 280.4  | 280.4  | 280.4 |
| 2.5°  | 288.9  | 287.7  | 286.5  | 286.2  | 285.3  | 284.7  | 283.1  | 281.9  | 280.7  | 279.8  | 278.9 |
| 5°    | 300.5  | 298.1  | 295.9  | 295.0  | 293.8  | 292.3  | 289.2  | 287.1  | 285.3  | 283.4  | 281.6 |
| 7.5°  | 313.6  | 310.5  | 307.5  | 306.3  | 304.5  | 301.7  | 298.4  | 295.9  | 292.9  | 290.1  | 287.7 |
| 10°   | 328.2  | 324.8  | 322.4  | 321.2  | 319.7  | 315.7  | 313.6  | 309.3  | 306.0  | 302.3  | 299.3 |
| 12.5° | 344.0  | 342.5  | 339.2  | 337.9  | 336.4  | 333.7  | 330.6  | 327.0  | 322.7  | 318.8  | 315.1 |
| 15°   | 358.3  | 355.9  | 353.8  | 353.5  | 352.6  | 351.0  | 347.1  | 343.1  | 339.5  | 334.3  | 331.2 |
| 17.5° | 367.2  | 366.3  | 365.9  | 365.6  | 365.0  | 364.1  | 362.3  | 358.0  | 354.7  | 350.4  | 346.2 |
| 20°   | 372.6  | 373.6  | 375.1  | 376.3  | 376.9  | 377.5  | 376.6  | 372.3  | 369.0  | 365.3  | 361.7 |
| 22.5° | 378.4  | 380.9  | 384.8  | 386.7  | 388.8  | 391.8  | 391.2  | 388.5  | 386.7  | 382.4  | 379.6 |
| 25°   | 386.7  | 391.5  | 398.2  | 400.7  | 404.6  | 408.6  | 409.5  | 408.0  | 406.1  | 403.1  | 403.1 |
| 27.5° | 400.7  | 407.7  | 416.5  | 421.7  | 425.6  | 431.1  | 432.9  | 432.0  | 432.3  | 430.5  | 434.8 |
| 30°   | 422.6  | 432.3  | 444.2  | 449.7  | 454.5  | 460.9  | 462.2  | 464.0  | 462.8  | 466.1  | 471.3 |
| 32.5° | 455.8  | 467.9  | 480.1  | 485.3  | 489.6  | 496.3  | 500.2  | 499.0  | 503.3  | 505.4  | 512.7 |
| 35°   | 506.9  | 519.1  | 528.5  | 529.4  | 534.3  | 538.0  | 541.6  | 540.4  | 552.0  | 556.5  | 560.5 |
| 37.5° | 577.5  | 587.9  | 593.7  | 591.5  | 585.8  | 592.8  | 597.6  | 604.9  | 612.2  | 620.5  | 605.9 |
| 40°   | 669.2  | 685.6  | 683.2  | 680.1  | 669.2  | 670.7  | 672.8  | 676.8  | 689.0  | 686.2  | 644.5 |
| 42.5° | 756.3  | 773.0  | 770.3  | 766.9  | 752.3  | 744.7  | 750.5  | 757.5  | 764.2  | 738.3  | 676.2 |
| 45°   | 844.2  | 859.5  | 846.4  | 850.9  | 837.8  | 834.5  | 845.8  | 849.7  | 842.1  | 794.6  | 703.0 |
| 47.5° | 935.6  | 952.0  | 945.6  | 941.1  | 931.6  | 930.7  | 937.1  | 943.2  | 913.0  | 835.4  | 723.1 |
| 50°   | 1005.6 | 1030.0 | 1026.6 | 1023.9 | 1013.5 | 1012.3 | 1027.5 | 1031.8 | 977.6  | 878.6  | 743.2 |
| 52.5° | 1059.5 | 1091.1 | 1097.2 | 1093.6 | 1091.1 | 1091.8 | 1135.6 | 1129.2 | 1054.3 | 931.0  | 766.6 |
| 55°   | 1123.1 | 1156.0 | 1178.2 | 1182.8 | 1188.9 | 1197.7 | 1284.5 | 1275.0 | 1160.3 | 1006.5 | 791.3 |
| 57.5° | 1207.4 | 1268.3 | 1301.8 | 1322.5 | 1339.3 | 1396.5 | 1506.7 | 1470.5 | 1307.0 | 1103.9 | 820.5 |
| 60°   | 1331.7 | 1452.5 | 1521.9 | 1574.6 | 1607.8 | 1707.7 | 1841.3 | 1708.0 | 1477.5 | 1220.8 | 858.9 |
| 62.5° | 1531.1 | 1728.4 | 1861.1 | 1890.9 | 1904.9 | 1999.9 | 2095.5 | 1889.7 | 1600.5 | 1298.2 | 864.9 |
| 65°   | 1724.4 | 1971.0 | 2126.0 | 2143.3 | 2133.0 | 2158.6 | 2185.3 | 1895.2 | 1571.9 | 1261.6 | 793.7 |
| 67°   | 1792.6 | 2028.2 | 2191.1 | 2212.1 | 2181.7 | 2173.5 | 2132.7 | 1795.3 | 1465.0 | 1149.6 | 694.5 |
| 67.5° | 1788.9 | 2021.5 | 2190.5 | 2211.8 | 2181.7 | 2168.6 | 2108.6 | 1755.2 | 1423.0 | 1122.2 | 675.3 |
| 70°   | 1648.9 | 1872.4 | 2060.5 | 2100.4 | 2083.7 | 2048.9 | 1889.4 | 1486.6 | 1179.1 | 920.7  | 520.6 |
| 72.5° | 1338.7 | 1580.1 | 1729.3 | 1773.4 | 1785.3 | 1696.1 | 1407.2 | 1040.6 | 850.0  | 657.9  | 377.5 |
| 75°   | 898.7  | 1138.6 | 1260.7 | 1238.5 | 1166.3 | 1014.4 | 742.9  | 548.9  | 465.8  | 382.7  | 233.5 |
| 77.5° | 509.6  | 694.8  | 685.3  | 647.0  | 586.1  | 433.8  | 210.7  | 114.2  | 109.0  | 127.3  | 98.9  |
| 80°   | 340.4  | 428.4  | 457.6  | 472.5  | 469.2  | 320.9  | 87.1   | 44.1   | 38.1   | 38.1   | 37.4  |
| 82.5° | 284.1  | 370.2  | 419.2  | 432.3  | 402.8  | 243.9  | 52.1   | 28.9   | 23.1   | 25.9   | 28.9  |
| 85°   | 119.6  | 186.6  | 246.9  | 237.5  | 188.8  | 95.0   | 26.5   | 15.2   | 15.2   | 20.1   | 25.3  |
| 87.5° | 28.9   | 42.9   | 60.6   | 58.8   | 47.2   | 21.9   | 13.4   | 9.4    | 9.4    | 15.5   | 21.9  |
| 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: P141139

CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 105°  | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 |
| 2.5°  | 278.6 | 277.4 | 277.4 | 276.1 | 275.5 | 274.9 | 274.6 | 274.9 | 274.0 | 273.1 | 273.4 |
| 5°    | 280.1 | 278.3 | 277.4 | 275.2 | 274.0 | 272.8 | 271.9 | 271.6 | 270.0 | 269.1 | 269.1 |
| 7.5°  | 285.3 | 282.8 | 281.0 | 278.6 | 276.1 | 274.3 | 272.8 | 271.9 | 269.7 | 268.2 | 267.9 |
| 10°   | 295.9 | 292.6 | 289.8 | 286.2 | 282.8 | 280.4 | 277.7 | 276.1 | 273.7 | 272.2 | 271.6 |
| 12.5° | 311.8 | 306.9 | 302.6 | 297.1 | 293.2 | 289.5 | 288.0 | 285.6 | 284.7 | 283.7 | 284.1 |
| 15°   | 326.7 | 320.9 | 316.9 | 312.7 | 308.1 | 306.0 | 302.9 | 302.6 | 302.9 | 301.4 | 301.4 |
| 17.5° | 341.9 | 337.3 | 332.8 | 331.2 | 327.0 | 325.5 | 323.3 | 322.1 | 319.4 | 316.6 | 313.3 |
| 20°   | 357.7 | 355.3 | 353.5 | 351.6 | 350.7 | 347.1 | 341.6 | 335.2 | 326.4 | 318.5 | 311.8 |
| 22.5° | 378.1 | 376.6 | 376.9 | 375.4 | 370.5 | 361.4 | 348.9 | 335.5 | 321.2 | 308.4 | 298.4 |
| 25°   | 404.0 | 405.5 | 403.7 | 396.1 | 382.1 | 363.5 | 344.3 | 325.5 | 306.6 | 291.4 | 277.7 |
| 27.5° | 436.9 | 435.7 | 427.1 | 407.7 | 383.6 | 357.1 | 332.5 | 309.9 | 287.4 | 269.7 | 252.7 |
| 30°   | 472.8 | 464.0 | 441.8 | 411.3 | 377.5 | 345.6 | 315.1 | 288.9 | 262.7 | 242.0 | 222.9 |
| 32.5° | 509.0 | 483.8 | 447.8 | 407.0 | 366.9 | 329.1 | 295.0 | 264.3 | 234.1 | 211.0 | 188.8 |
| 35°   | 536.4 | 495.9 | 446.9 | 397.9 | 350.7 | 307.5 | 267.9 | 229.9 | 194.8 | 167.1 | 144.6 |
| 37.5° | 561.7 | 502.6 | 440.8 | 383.9 | 328.5 | 278.9 | 229.6 | 188.5 | 153.1 | 125.4 | 105.9 |
| 40°   | 577.2 | 502.0 | 429.0 | 360.8 | 297.8 | 236.9 | 183.3 | 141.0 | 109.9 | 89.5  | 78.9  |
| 42.5° | 586.4 | 495.6 | 408.6 | 330.0 | 255.4 | 189.7 | 135.2 | 97.1  | 78.2  | 69.4  | 64.5  |
| 45°   | 590.9 | 481.9 | 383.3 | 288.9 | 204.3 | 135.5 | 93.2  | 70.0  | 62.4  | 60.0  | 58.8  |
| 47.5° | 588.2 | 462.8 | 347.1 | 242.6 | 152.2 | 92.9  | 66.7  | 59.1  | 56.6  | 55.4  | 55.1  |
| 50°   | 581.8 | 437.8 | 309.0 | 192.4 | 108.1 | 66.7  | 56.0  | 53.9  | 53.0  | 52.7  | 52.1  |
| 52.5° | 572.7 | 408.3 | 265.5 | 149.2 | 76.7  | 55.4  | 52.4  | 51.5  | 50.8  | 49.9  | 49.6  |
| 55°   | 557.4 | 371.7 | 221.0 | 109.9 | 61.5  | 52.4  | 50.8  | 50.5  | 49.3  | 48.4  | 47.8  |
| 57.5° | 539.2 | 332.8 | 179.0 | 86.2  | 56.6  | 51.1  | 50.2  | 49.9  | 48.7  | 47.5  | 46.3  |
| 60°   | 530.0 | 305.4 | 147.4 | 74.6  | 55.7  | 51.8  | 51.1  | 50.5  | 49.0  | 47.2  | 45.7  |
| 62.5° | 507.5 | 275.8 | 127.0 | 70.9  | 56.9  | 53.9  | 53.6  | 52.4  | 50.2  | 48.4  | 46.0  |
| 65°   | 449.4 | 234.1 | 108.1 | 67.3  | 58.8  | 57.2  | 57.8  | 56.3  | 53.9  | 50.8  | 46.9  |
| 67°   | 379.6 | 190.3 | 91.3  | 64.5  | 60.9  | 61.8  | 62.7  | 61.8  | 57.8  | 53.3  | 48.1  |
| 67.5° | 360.8 | 177.2 | 86.8  | 63.6  | 61.5  | 62.7  | 64.2  | 63.3  | 59.1  | 53.9  | 48.7  |
| 70°   | 271.3 | 127.0 | 68.8  | 60.3  | 63.6  | 67.0  | 70.0  | 69.7  | 65.5  | 59.1  | 50.8  |
| 72.5° | 187.5 | 86.8  | 55.7  | 56.3  | 61.8  | 67.9  | 71.9  | 73.7  | 69.4  | 61.8  | 52.1  |
| 75°   | 113.0 | 55.4  | 46.9  | 50.8  | 56.3  | 62.4  | 68.8  | 69.4  | 64.5  | 56.9  | 48.7  |
| 77.5° | 55.4  | 39.9  | 38.7  | 40.2  | 45.4  | 50.5  | 53.3  | 49.9  | 46.9  | 41.7  | 38.7  |
| 80°   | 33.5  | 31.4  | 30.7  | 34.1  | 37.1  | 36.2  | 34.1  | 31.4  | 29.8  | 28.6  | 27.4  |
| 82.5° | 28.0  | 28.3  | 28.9  | 29.5  | 28.9  | 25.6  | 21.9  | 20.1  | 18.9  | 18.9  | 19.2  |
| 85°   | 28.6  | 29.2  | 26.8  | 24.7  | 21.9  | 18.3  | 14.9  | 12.8  | 13.1  | 13.4  | 13.4  |
| 87.5° | 22.2  | 21.3  | 18.9  | 15.5  | 12.5  | 9.1   | 7.3   | 6.1   | 6.7   | 6.4   | 7.0   |
| 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: P141139

CATALOG NUMBER: CEM-E01-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 280.4 | 280.4 | 280.4 | 280.4 | 280.4 |
| 2.5°  | 273.4 | 273.1 | 273.4 | 273.4 | 273.7 |
| 5°    | 268.5 | 267.9 | 267.9 | 268.2 | 268.2 |
| 7.5°  | 267.3 | 266.7 | 266.7 | 267.0 | 266.7 |
| 10°   | 271.6 | 271.3 | 271.9 | 271.6 | 271.6 |
| 12.5° | 284.4 | 284.4 | 285.6 | 286.2 | 285.6 |
| 15°   | 301.7 | 301.1 | 302.0 | 302.3 | 302.6 |
| 17.5° | 311.5 | 308.7 | 307.8 | 308.4 | 307.2 |
| 20°   | 306.0 | 301.4 | 299.6 | 299.3 | 297.1 |
| 22.5° | 290.4 | 283.7 | 281.0 | 279.8 | 277.4 |
| 25°   | 268.5 | 260.6 | 257.0 | 253.9 | 252.4 |
| 27.5° | 242.3 | 232.6 | 227.4 | 225.0 | 224.1 |
| 30°   | 209.5 | 200.0 | 192.4 | 188.5 | 187.2 |
| 32.5° | 172.9 | 159.2 | 151.3 | 146.4 | 143.1 |
| 35°   | 129.1 | 116.0 | 110.2 | 106.6 | 102.3 |
| 37.5° | 93.8  | 85.9  | 81.0  | 78.5  | 77.6  |
| 40°   | 72.5  | 68.5  | 66.1  | 65.8  | 65.5  |
| 42.5° | 62.7  | 60.9  | 60.6  | 60.0  | 59.4  |
| 45°   | 57.8  | 57.2  | 57.5  | 56.6  | 56.0  |
| 47.5° | 54.5  | 54.2  | 54.2  | 53.6  | 53.3  |
| 50°   | 51.8  | 51.8  | 51.5  | 51.1  | 51.1  |
| 52.5° | 49.3  | 49.6  | 49.6  | 49.0  | 49.0  |
| 55°   | 47.2  | 47.2  | 47.5  | 47.2  | 47.2  |
| 57.5° | 45.7  | 45.4  | 45.7  | 45.7  | 45.7  |
| 60°   | 44.8  | 44.1  | 43.8  | 44.1  | 44.1  |
| 62.5° | 43.8  | 42.9  | 42.6  | 42.6  | 42.9  |
| 65°   | 43.8  | 42.3  | 41.7  | 41.7  | 41.4  |
| 67°   | 44.1  | 41.7  | 40.5  | 39.9  | 39.6  |
| 67.5° | 44.1  | 41.4  | 39.9  | 39.6  | 39.3  |
| 70°   | 44.1  | 40.2  | 38.1  | 36.5  | 36.5  |
| 72.5° | 43.8  | 39.0  | 35.6  | 34.1  | 33.5  |
| 75°   | 41.7  | 36.8  | 33.8  | 32.0  | 31.4  |
| 77.5° | 35.0  | 32.0  | 30.4  | 28.9  | 28.6  |
| 80°   | 26.5  | 25.0  | 23.7  | 20.4  | 18.9  |
| 82.5° | 18.9  | 18.0  | 15.8  | 14.6  | 13.7  |
| 85°   | 13.4  | 12.5  | 11.6  | 10.4  | 10.4  |
| 87.5° | 7.3   | 7.0   | 6.7   | 6.1   | 5.5   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)