

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: P162507

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162507  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)  
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-HSS  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

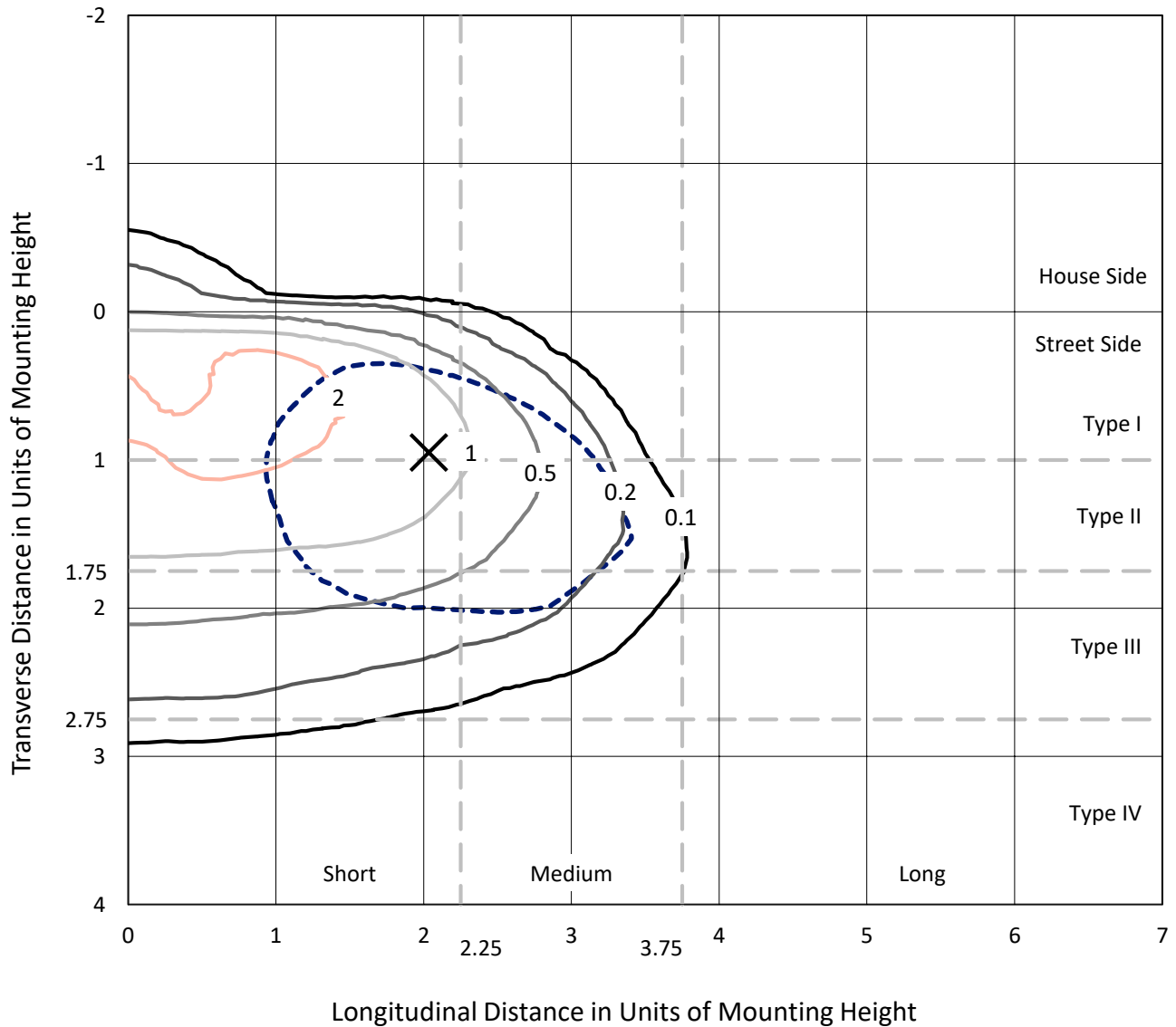
Lumens per Lamp: N/A  
Luminaire Lumens: 1648.4 lumens  
Efficiency: N/A  
Efficacy: 66.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

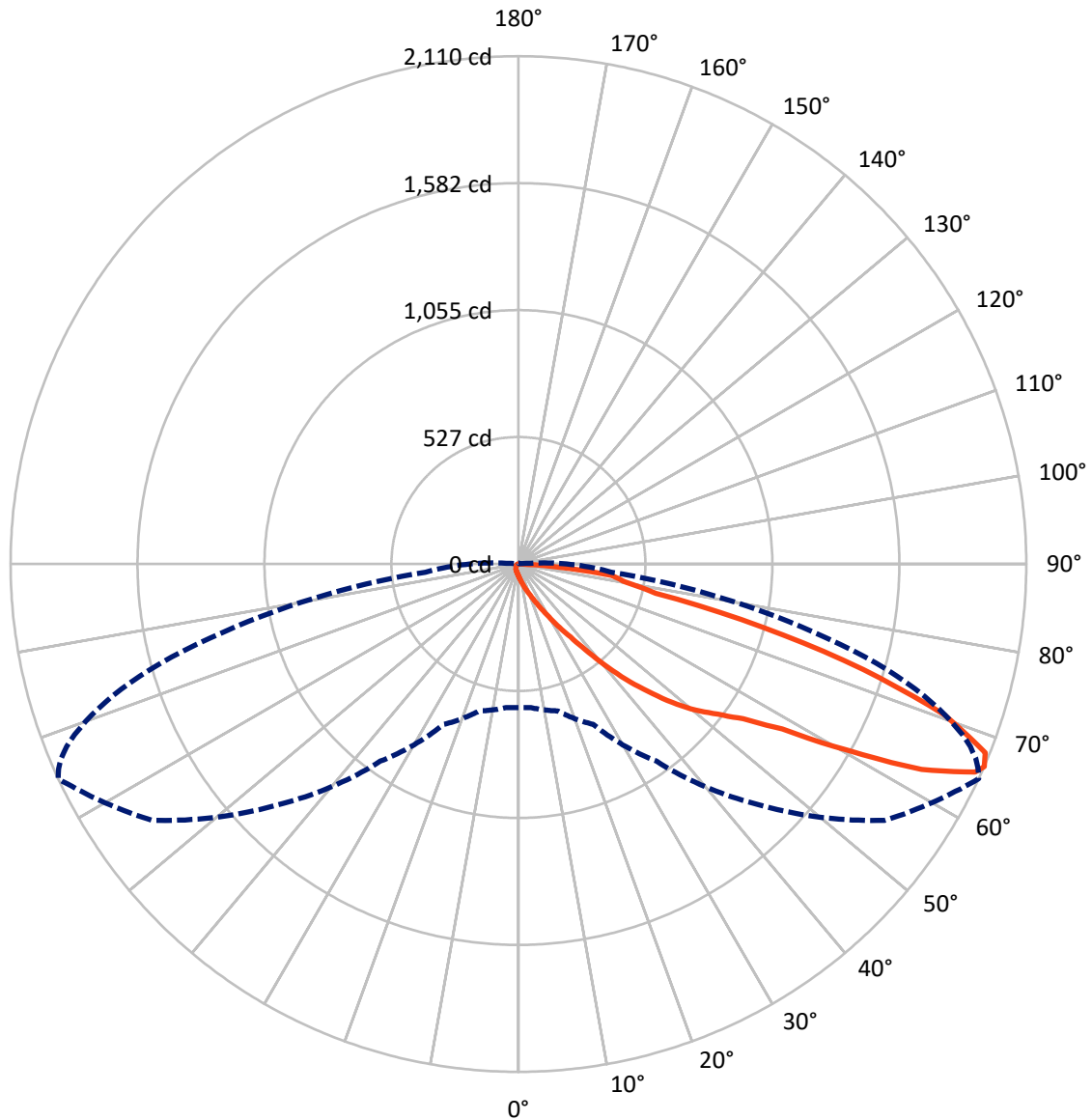
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 35.7     | 0.0    | 35.7   |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 1612.7   | 0.0    | 1612.7 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 1648.4   | 0.0    | 1648.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.6    | 0.3       |
| 10°-20°   | 23.6   | 1.4       |
| 20°-30°   | 50.9   | 3.1       |
| 30°-40°   | 108.8  | 6.6       |
| 40°-50°   | 240.6  | 14.6      |
| 50°-60°   | 407.7  | 24.7      |
| 60°-70°   | 544.0  | 33.0      |
| 70°-80°   | 239.6  | 14.5      |
| 80°-90°   | 27.6   | 1.7       |
| 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°    | 1648.4 | 100.0     |
| 0°-180°   | 1648.4 | 100.0     |

**Coefficient of Utilization**



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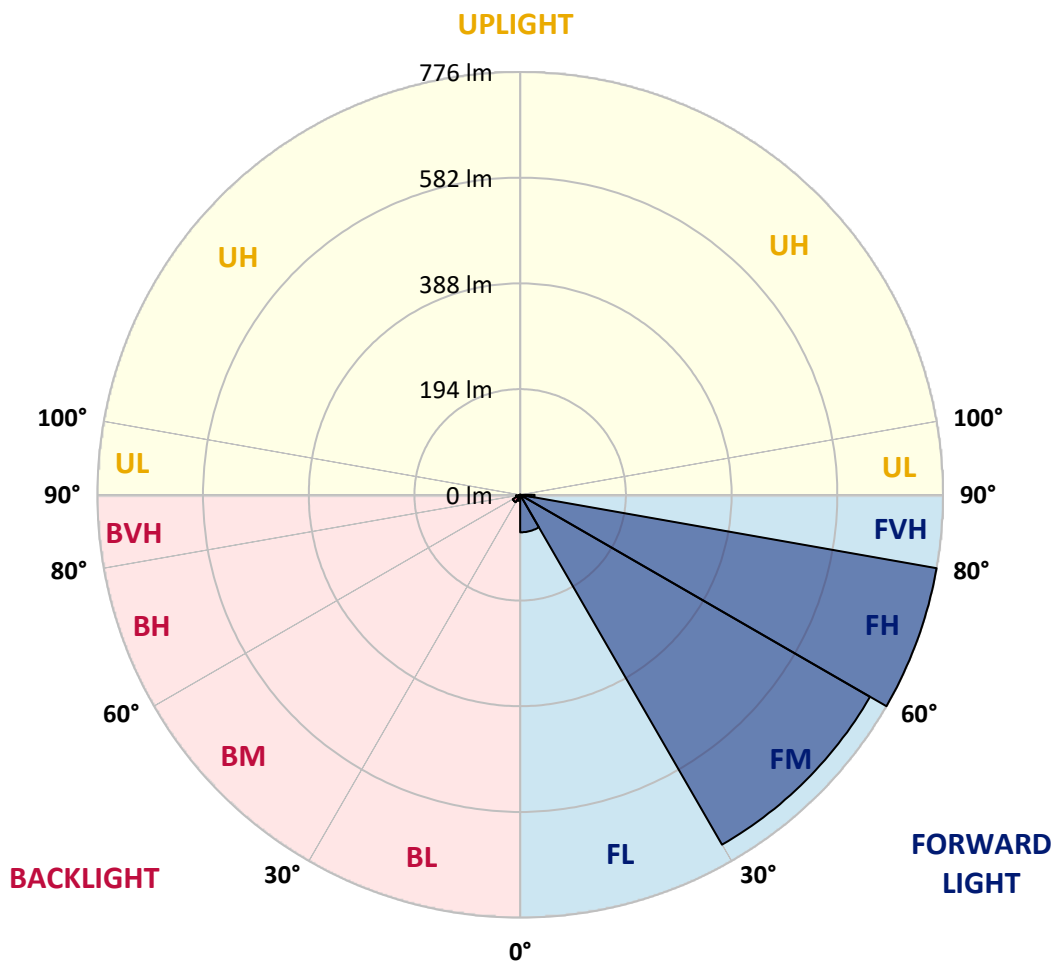
CATALOG NUMBER: CEM-E01-LED-E-U-SL3-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 68.9   | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 741.4  | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 776.0  | 47.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 26.5   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 11.3   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 15.7   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 7.7    | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.1    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 49.8  | 49.8  | 49.8  | 49.8  | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   |
| 2.5°  | 62.8  | 62.4  | 61.2  | 61.2  | 59.3   | 58.0   | 56.4   | 54.8   | 54.8   | 54.5   | 54.2   |
| 5°    | 83.0  | 81.1  | 80.8  | 77.3  | 74.5   | 70.4   | 66.6   | 61.5   | 60.8   | 60.2   | 59.9   |
| 7.5°  | 105.5 | 105.2 | 102.4 | 98.2  | 92.5   | 84.9   | 77.3   | 69.1   | 67.8   | 67.2   | 65.9   |
| 10°   | 134.7 | 133.1 | 129.3 | 122.3 | 113.8  | 103.6  | 91.3   | 78.3   | 76.7   | 75.4   | 74.8   |
| 12.5° | 162.6 | 159.7 | 157.5 | 148.6 | 137.9  | 123.0  | 108.1  | 89.4   | 88.1   | 86.5   | 84.0   |
| 15°   | 188.6 | 186.0 | 182.2 | 174.6 | 162.6  | 143.9  | 126.5  | 103.6  | 100.5  | 98.2   | 96.3   |
| 17.5° | 208.9 | 207.3 | 202.8 | 194.3 | 181.3  | 164.8  | 143.9  | 118.2  | 115.7  | 112.8  | 109.3  |
| 20°   | 228.2 | 226.0 | 219.0 | 207.3 | 193.3  | 180.6  | 164.5  | 137.2  | 133.7  | 130.3  | 126.5  |
| 22.5° | 246.6 | 244.3 | 232.9 | 213.6 | 198.7  | 193.3  | 187.6  | 158.8  | 153.4  | 150.5  | 146.7  |
| 25°   | 272.2 | 267.5 | 249.7 | 219.0 | 199.0  | 203.1  | 213.0  | 186.7  | 181.6  | 177.5  | 171.5  |
| 27.5° | 306.8 | 300.4 | 272.6 | 226.9 | 200.3  | 213.9  | 242.1  | 220.6  | 215.2  | 210.4  | 203.8  |
| 30°   | 345.8 | 341.6 | 308.4 | 245.9 | 209.5  | 229.8  | 274.8  | 263.7  | 257.3  | 251.6  | 243.7  |
| 32.5° | 385.1 | 379.4 | 346.4 | 282.1 | 234.2  | 260.5  | 315.7  | 313.8  | 305.5  | 300.1  | 291.6  |
| 35°   | 419.6 | 416.7 | 392.3 | 341.3 | 290.6  | 314.4  | 370.2  | 372.4  | 365.1  | 359.4  | 349.9  |
| 37.5° | 443.1 | 443.1 | 438.3 | 405.0 | 380.3  | 398.1  | 450.3  | 450.7  | 443.4  | 430.4  | 425.6  |
| 40°   | 455.1 | 458.6 | 475.7 | 482.0 | 480.8  | 503.6  | 555.6  | 549.9  | 543.8  | 537.2  | 521.3  |
| 42.5° | 479.8 | 483.0 | 519.4 | 563.2 | 591.7  | 621.8  | 657.6  | 655.7  | 648.4  | 636.4  | 621.8  |
| 45°   | 521.7 | 525.8 | 569.2 | 638.6 | 697.2  | 740.0  | 762.8  | 754.0  | 746.7  | 735.3  | 727.6  |
| 47.5° | 574.9 | 582.8 | 631.9 | 717.8 | 788.5  | 859.2  | 882.9  | 859.5  | 853.1  | 844.3  | 831.9  |
| 50°   | 631.6 | 639.2 | 691.5 | 789.8 | 869.6  | 953.9  | 993.5  | 953.9  | 944.7  | 941.9  | 927.9  |
| 52.5° | 680.7 | 687.1 | 737.5 | 845.2 | 931.7  | 1030.6 | 1088.3 | 1036.0 | 1029.4 | 1019.8 | 1009.7 |
| 55°   | 709.9 | 715.0 | 762.2 | 871.8 | 973.9  | 1099.7 | 1179.9 | 1133.9 | 1124.1 | 1120.3 | 1105.7 |
| 57.5° | 719.7 | 724.8 | 767.3 | 875.3 | 996.7  | 1162.8 | 1291.1 | 1292.7 | 1281.0 | 1267.4 | 1262.9 |
| 60°   | 719.7 | 725.4 | 761.2 | 866.8 | 1018.9 | 1230.0 | 1439.5 | 1571.6 | 1546.3 | 1543.7 | 1527.6 |
| 62.5° | 689.9 | 695.3 | 731.5 | 840.5 | 1048.7 | 1320.6 | 1646.1 | 1879.3 | 1872.0 | 1855.6 | 1828.9 |
| 65°   | 625.3 | 628.5 | 663.9 | 773.3 | 1037.3 | 1404.0 | 1825.1 | 2084.1 | 2072.3 | 2040.0 | 2005.8 |
| 66°   | 596.1 | 598.7 | 631.9 | 734.9 | 999.9  | 1415.4 | 1856.8 | 2109.7 | 2090.4 | 2063.1 | 2024.5 |
| 67.5° | 554.0 | 558.4 | 581.9 | 663.6 | 910.2  | 1375.7 | 1836.9 | 2091.7 | 2074.9 | 2041.9 | 2003.3 |
| 70°   | 369.8 | 366.7 | 449.4 | 509.3 | 693.4  | 1120.9 | 1648.0 | 1878.1 | 1878.4 | 1862.9 | 1847.3 |
| 72.5° | 175.6 | 177.5 | 201.6 | 313.4 | 453.8  | 748.9  | 1311.7 | 1499.0 | 1520.6 | 1492.7 | 1473.4 |
| 75°   | 126.1 | 129.0 | 143.6 | 191.7 | 270.6  | 449.4  | 850.3  | 1048.4 | 1049.0 | 999.6  | 955.5  |
| 77.5° | 36.8  | 38.3  | 53.9  | 118.2 | 202.8  | 303.3  | 488.4  | 582.8  | 569.2  | 533.7  | 500.4  |
| 80°   | 15.2  | 15.2  | 15.8  | 37.7  | 81.4   | 206.0  | 341.6  | 448.8  | 447.2  | 433.5  | 413.9  |
| 82.5° | 5.7   | 6.0   | 7.6   | 15.5  | 19.3   | 50.7   | 227.9  | 389.5  | 388.5  | 369.2  | 355.3  |
| 85°   | 0.6   | 0.6   | 1.9   | 6.7   | 7.3    | 9.5    | 45.6   | 171.8  | 170.8  | 171.8  | 150.5  |
| 87.5° | 0.0   | 0.0   | 0.3   | 0.6   | 1.0    | 1.3    | 1.9    | 6.7    | 7.3    | 7.0    | 6.3    |
| 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):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   | 49.8   |
| 2.5°  | 54.2   | 53.6   | 53.6   | 53.2   | 53.2   | 53.2   | 52.9   | 52.6   | 52.6   | 52.3   | 52.0   |
| 5°    | 59.3   | 58.6   | 58.3   | 57.7   | 57.4   | 57.0   | 56.4   | 56.1   | 55.5   | 55.1   | 54.8   |
| 7.5°  | 65.3   | 64.0   | 63.7   | 62.8   | 61.8   | 61.2   | 60.5   | 59.6   | 58.9   | 57.7   | 57.4   |
| 10°   | 72.9   | 71.3   | 70.0   | 68.8   | 67.8   | 66.2   | 65.3   | 64.0   | 62.8   | 61.8   | 60.8   |
| 12.5° | 82.7   | 80.5   | 78.6   | 77.3   | 75.1   | 73.2   | 71.3   | 70.4   | 67.8   | 66.6   | 65.0   |
| 15°   | 93.5   | 91.0   | 88.7   | 86.2   | 84.6   | 81.4   | 78.9   | 76.1   | 74.8   | 72.6   | 70.0   |
| 17.5° | 107.4  | 103.3  | 99.8   | 97.3   | 94.1   | 91.0   | 88.1   | 85.3   | 81.4   | 78.9   | 75.7   |
| 20°   | 122.3  | 118.8  | 114.1  | 109.7  | 105.9  | 102.0  | 97.9   | 94.1   | 90.6   | 86.5   | 82.7   |
| 22.5° | 141.3  | 136.3  | 130.6  | 126.1  | 121.1  | 116.9  | 111.2  | 106.2  | 100.5  | 95.1   | 90.6   |
| 25°   | 165.4  | 158.8  | 153.4  | 147.1  | 141.0  | 134.7  | 127.7  | 121.4  | 114.1  | 109.0  | 101.4  |
| 27.5° | 195.2  | 188.9  | 181.6  | 173.4  | 167.3  | 157.8  | 148.6  | 140.7  | 132.2  | 124.2  | 115.7  |
| 30°   | 233.3  | 224.1  | 216.5  | 208.5  | 196.5  | 187.3  | 176.5  | 165.7  | 154.0  | 146.1  | 133.1  |
| 32.5° | 278.9  | 269.1  | 257.7  | 246.2  | 235.2  | 222.2  | 208.9  | 195.5  | 182.5  | 168.0  | 154.7  |
| 35°   | 334.7  | 322.9  | 309.9  | 297.6  | 280.5  | 266.5  | 249.7  | 231.4  | 216.8  | 200.0  | 183.2  |
| 37.5° | 408.5  | 389.2  | 377.8  | 364.8  | 341.6  | 322.6  | 303.9  | 285.5  | 259.9  | 242.1  | 218.4  |
| 40°   | 501.1  | 489.6  | 470.9  | 450.0  | 429.1  | 404.1  | 378.7  | 354.3  | 324.5  | 299.8  | 272.2  |
| 42.5° | 609.8  | 593.0  | 573.9  | 543.8  | 522.6  | 493.1  | 464.3  | 432.0  | 395.5  | 363.8  | 331.5  |
| 45°   | 711.8  | 691.8  | 677.3  | 647.2  | 625.0  | 590.1  | 555.2  | 521.0  | 478.9  | 438.0  | 400.6  |
| 47.5° | 822.1  | 805.6  | 781.5  | 757.1  | 734.6  | 695.3  | 657.6  | 616.1  | 571.7  | 523.2  | 474.7  |
| 50°   | 919.1  | 906.1  | 889.6  | 860.1  | 835.1  | 802.1  | 757.8  | 712.4  | 656.3  | 608.2  | 553.0  |
| 52.5° | 1001.5 | 991.3  | 968.2  | 947.3  | 924.8  | 893.7  | 854.1  | 810.7  | 750.1  | 697.2  | 634.5  |
| 55°   | 1098.8 | 1091.5 | 1071.2 | 1058.2 | 1038.2 | 1008.4 | 971.4  | 931.1  | 867.1  | 809.4  | 738.4  |
| 57.5° | 1258.2 | 1252.5 | 1234.7 | 1229.3 | 1209.7 | 1183.7 | 1138.1 | 1095.0 | 1020.2 | 948.5  | 867.4  |
| 60°   | 1522.2 | 1510.8 | 1484.8 | 1471.5 | 1429.9 | 1395.1 | 1335.8 | 1276.6 | 1186.2 | 1095.0 | 997.3  |
| 62.5° | 1804.9 | 1772.9 | 1723.4 | 1680.9 | 1622.0 | 1561.5 | 1482.2 | 1391.6 | 1285.7 | 1177.4 | 1065.2 |
| 65°   | 1957.3 | 1902.8 | 1840.4 | 1772.9 | 1696.5 | 1607.4 | 1507.6 | 1398.9 | 1285.1 | 1170.7 | 1052.2 |
| 66°   | 1974.7 | 1913.2 | 1847.0 | 1771.9 | 1687.0 | 1592.2 | 1490.8 | 1376.7 | 1258.5 | 1146.9 | 1028.4 |
| 67.5° | 1952.9 | 1888.5 | 1818.5 | 1735.1 | 1643.2 | 1545.0 | 1438.5 | 1320.0 | 1206.2 | 1093.1 | 977.7  |
| 70°   | 1799.8 | 1735.8 | 1673.3 | 1585.6 | 1487.6 | 1388.7 | 1288.0 | 1155.5 | 1047.7 | 943.8  | 841.1  |
| 72.5° | 1437.2 | 1393.8 | 1332.0 | 1256.9 | 1161.5 | 1045.5 | 961.5  | 843.0  | 749.5  | 648.7  | 569.2  |
| 75°   | 898.2  | 837.0  | 760.6  | 664.9  | 592.0  | 497.9  | 448.8  | 358.8  | 305.5  | 258.9  | 213.9  |
| 77.5° | 459.2  | 413.3  | 359.7  | 305.8  | 254.2  | 202.8  | 156.9  | 110.9  | 74.8   | 52.0   | 38.7   |
| 80°   | 379.4  | 338.8  | 294.4  | 245.3  | 199.7  | 155.0  | 111.6  | 76.1   | 48.5   | 31.7   | 24.7   |
| 82.5° | 313.4  | 279.2  | 239.6  | 194.0  | 154.3  | 121.7  | 84.6   | 55.1   | 34.2   | 22.2   | 17.4   |
| 85°   | 133.4  | 121.1  | 93.5   | 74.2   | 55.8   | 41.2   | 28.8   | 19.3   | 13.6   | 11.1   | 10.1   |
| 87.5° | 5.7    | 6.3    | 6.0    | 4.8    | 3.5    | 3.5    | 3.2    | 2.5    | 2.5    | 2.5    | 2.5    |
| 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):**

|       | 80°   | 81°   | 82°   | 83°   | 84°   | 85°   | 95°  | 105° | 115° | 125° | 135° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 0°    | 49.8  | 49.8  | 49.8  | 49.8  | 49.8  | 49.8  | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 2.5°  | 52.0  | 51.7  | 51.3  | 51.3  | 51.0  | 50.7  | 48.8 | 47.2 | 45.3 | 44.1 | 42.8 |
| 5°    | 54.2  | 53.9  | 53.2  | 52.9  | 52.3  | 52.0  | 47.9 | 44.4 | 41.5 | 39.3 | 37.7 |
| 7.5°  | 56.4  | 56.1  | 55.1  | 54.2  | 53.9  | 53.2  | 46.6 | 42.2 | 38.3 | 35.8 | 34.2 |
| 10°   | 59.3  | 58.3  | 57.4  | 56.1  | 55.1  | 54.2  | 45.3 | 39.6 | 35.5 | 33.3 | 31.7 |
| 12.5° | 63.4  | 61.8  | 60.2  | 58.6  | 57.4  | 55.8  | 44.7 | 37.4 | 33.3 | 30.7 | 29.2 |
| 15°   | 68.1  | 65.9  | 64.0  | 62.1  | 59.9  | 58.3  | 43.4 | 35.5 | 31.4 | 28.8 | 26.9 |
| 17.5° | 72.6  | 70.0  | 67.2  | 64.3  | 62.1  | 59.9  | 42.2 | 33.6 | 29.5 | 26.9 | 25.0 |
| 20°   | 78.9  | 75.1  | 71.6  | 68.1  | 65.0  | 62.1  | 40.2 | 31.7 | 27.9 | 25.0 | 23.1 |
| 22.5° | 85.9  | 81.4  | 77.0  | 72.3  | 68.1  | 64.3  | 38.7 | 30.1 | 26.3 | 23.5 | 21.2 |
| 25°   | 94.8  | 89.4  | 83.3  | 77.3  | 72.6  | 67.5  | 37.1 | 28.5 | 24.7 | 21.9 | 19.6 |
| 27.5° | 107.1 | 99.5  | 92.9  | 85.3  | 78.0  | 72.3  | 35.8 | 27.3 | 23.1 | 20.3 | 18.1 |
| 30°   | 123.9 | 112.8 | 102.4 | 94.1  | 85.6  | 77.3  | 34.5 | 25.7 | 21.9 | 18.7 | 16.2 |
| 32.5° | 142.6 | 129.6 | 117.6 | 105.2 | 94.4  | 84.9  | 33.3 | 24.4 | 20.3 | 17.1 | 14.9 |
| 35°   | 165.7 | 149.3 | 133.1 | 118.8 | 105.9 | 93.2  | 32.0 | 23.1 | 19.0 | 15.5 | 13.3 |
| 37.5° | 199.0 | 178.4 | 157.2 | 138.8 | 122.0 | 105.2 | 31.1 | 21.9 | 17.4 | 13.9 | 11.7 |
| 40°   | 244.7 | 218.0 | 192.1 | 167.0 | 145.1 | 124.2 | 29.8 | 20.6 | 16.2 | 12.7 | 10.5 |
| 42.5° | 294.1 | 261.8 | 227.5 | 199.3 | 169.2 | 142.9 | 28.5 | 19.3 | 14.9 | 11.4 | 9.2  |
| 45°   | 355.6 | 315.3 | 273.8 | 235.5 | 198.7 | 164.8 | 27.3 | 18.1 | 13.3 | 10.1 | 7.9  |
| 47.5° | 422.8 | 371.4 | 324.5 | 276.4 | 232.6 | 192.1 | 25.7 | 17.1 | 12.0 | 8.9  | 7.0  |
| 50°   | 491.9 | 437.7 | 378.4 | 323.6 | 271.6 | 219.3 | 24.1 | 15.5 | 10.8 | 7.9  | 5.7  |
| 52.5° | 566.3 | 502.3 | 441.8 | 373.6 | 313.1 | 255.1 | 22.5 | 14.3 | 9.8  | 7.0  | 4.8  |
| 55°   | 661.1 | 589.5 | 518.5 | 442.1 | 369.2 | 296.6 | 20.9 | 12.7 | 8.6  | 6.0  | 3.8  |
| 57.5° | 780.3 | 695.3 | 608.2 | 522.0 | 433.5 | 351.1 | 19.6 | 11.1 | 7.3  | 5.1  | 3.2  |
| 60°   | 892.8 | 793.6 | 688.0 | 588.8 | 489.0 | 393.0 | 17.7 | 9.8  | 6.3  | 4.1  | 3.2  |
| 62.5° | 951.1 | 837.9 | 724.2 | 614.8 | 508.3 | 407.9 | 15.8 | 8.2  | 5.4  | 3.5  | 2.9  |
| 65°   | 936.8 | 821.5 | 711.2 | 600.9 | 496.6 | 398.4 | 13.9 | 7.3  | 4.8  | 3.2  | 2.9  |
| 66°   | 916.2 | 802.1 | 691.2 | 586.3 | 486.8 | 388.2 | 13.0 | 7.0  | 4.4  | 3.2  | 2.5  |
| 67.5° | 871.2 | 760.9 | 655.1 | 557.5 | 459.9 | 368.9 | 11.7 | 6.3  | 4.1  | 2.9  | 2.5  |
| 70°   | 744.1 | 644.0 | 559.4 | 472.5 | 393.0 | 310.9 | 9.5  | 5.4  | 3.5  | 2.5  | 2.5  |
| 72.5° | 492.5 | 424.4 | 367.9 | 316.6 | 264.6 | 205.4 | 7.9  | 4.4  | 2.9  | 2.5  | 2.2  |
| 75°   | 185.7 | 168.0 | 144.2 | 129.6 | 113.1 | 99.2  | 6.3  | 2.9  | 2.2  | 2.2  | 2.2  |
| 77.5° | 33.0  | 30.4  | 26.9  | 24.7  | 22.8  | 20.9  | 5.1  | 1.9  | 1.9  | 2.2  | 2.2  |
| 80°   | 22.2  | 20.6  | 18.7  | 17.1  | 15.8  | 14.3  | 3.5  | 1.6  | 1.9  | 1.9  | 2.2  |
| 82.5° | 15.8  | 14.9  | 13.9  | 12.7  | 11.7  | 10.5  | 2.2  | 1.6  | 1.9  | 1.9  | 1.9  |
| 85°   | 9.5   | 8.9   | 8.2   | 7.6   | 6.7   | 6.3   | 1.6  | 1.6  | 1.6  | 1.9  | 1.9  |
| 87.5° | 2.5   | 2.2   | 2.5   | 2.5   | 1.9   | 2.2   | 1.3  | 1.3  | 1.3  | 1.6  | 1.6  |
| 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: P162507

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

**CANDELA DISTRIBUTION (continued):**

|       | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 2.5°  | 42.2 | 42.2 | 41.5 | 42.5 | 42.5 |
| 5°    | 36.4 | 36.4 | 36.1 | 36.4 | 36.4 |
| 7.5°  | 33.3 | 33.0 | 33.0 | 33.0 | 33.3 |
| 10°   | 30.4 | 30.1 | 30.1 | 30.1 | 30.1 |
| 12.5° | 27.9 | 27.6 | 27.3 | 27.6 | 27.6 |
| 15°   | 25.7 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17.5° | 23.8 | 23.1 | 22.8 | 22.8 | 22.8 |
| 20°   | 21.9 | 20.9 | 20.9 | 20.9 | 20.9 |
| 22.5° | 20.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 25°   | 18.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 27.5° | 16.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 30°   | 14.6 | 13.9 | 13.9 | 14.3 | 13.9 |
| 32.5° | 13.3 | 12.4 | 12.4 | 12.7 | 12.7 |
| 35°   | 11.7 | 11.1 | 11.1 | 11.1 | 11.1 |
| 37.5° | 10.1 | 9.5  | 9.5  | 9.5  | 9.5  |
| 40°   | 8.9  | 8.2  | 7.9  | 8.2  | 8.2  |
| 42.5° | 7.6  | 7.0  | 6.7  | 6.7  | 6.7  |
| 45°   | 6.7  | 5.7  | 5.4  | 5.7  | 5.7  |
| 47.5° | 5.4  | 4.8  | 4.8  | 5.1  | 5.1  |
| 50°   | 4.1  | 4.1  | 4.4  | 5.1  | 5.1  |
| 52.5° | 3.8  | 3.8  | 4.4  | 5.1  | 5.1  |
| 55°   | 3.5  | 3.8  | 4.4  | 4.8  | 5.1  |
| 57.5° | 3.2  | 3.8  | 4.4  | 4.8  | 4.8  |
| 60°   | 3.2  | 3.5  | 4.1  | 4.8  | 4.8  |
| 62.5° | 2.9  | 3.2  | 3.8  | 4.4  | 4.4  |
| 65°   | 2.9  | 3.2  | 3.8  | 4.4  | 4.4  |
| 66°   | 2.9  | 3.2  | 3.8  | 4.4  | 4.4  |
| 67.5° | 2.9  | 3.2  | 3.8  | 4.4  | 4.4  |
| 70°   | 2.9  | 3.2  | 3.8  | 4.1  | 4.1  |
| 72.5° | 2.5  | 2.9  | 3.5  | 4.1  | 4.1  |
| 75°   | 2.5  | 2.9  | 3.5  | 4.1  | 4.1  |
| 77.5° | 2.5  | 2.9  | 3.5  | 4.1  | 4.1  |
| 80°   | 2.5  | 2.9  | 3.5  | 3.8  | 4.1  |
| 82.5° | 2.2  | 2.9  | 3.2  | 3.8  | 3.8  |
| 85°   | 2.2  | 2.5  | 3.2  | 3.5  | 3.8  |
| 87.5° | 1.9  | 2.2  | 2.5  | 3.2  | 3.2  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)