

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: P162523

Luminaire Tested: **CEM-F02-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162523  
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-F02-LED-E-U-SL3-HSS-7050  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (14) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

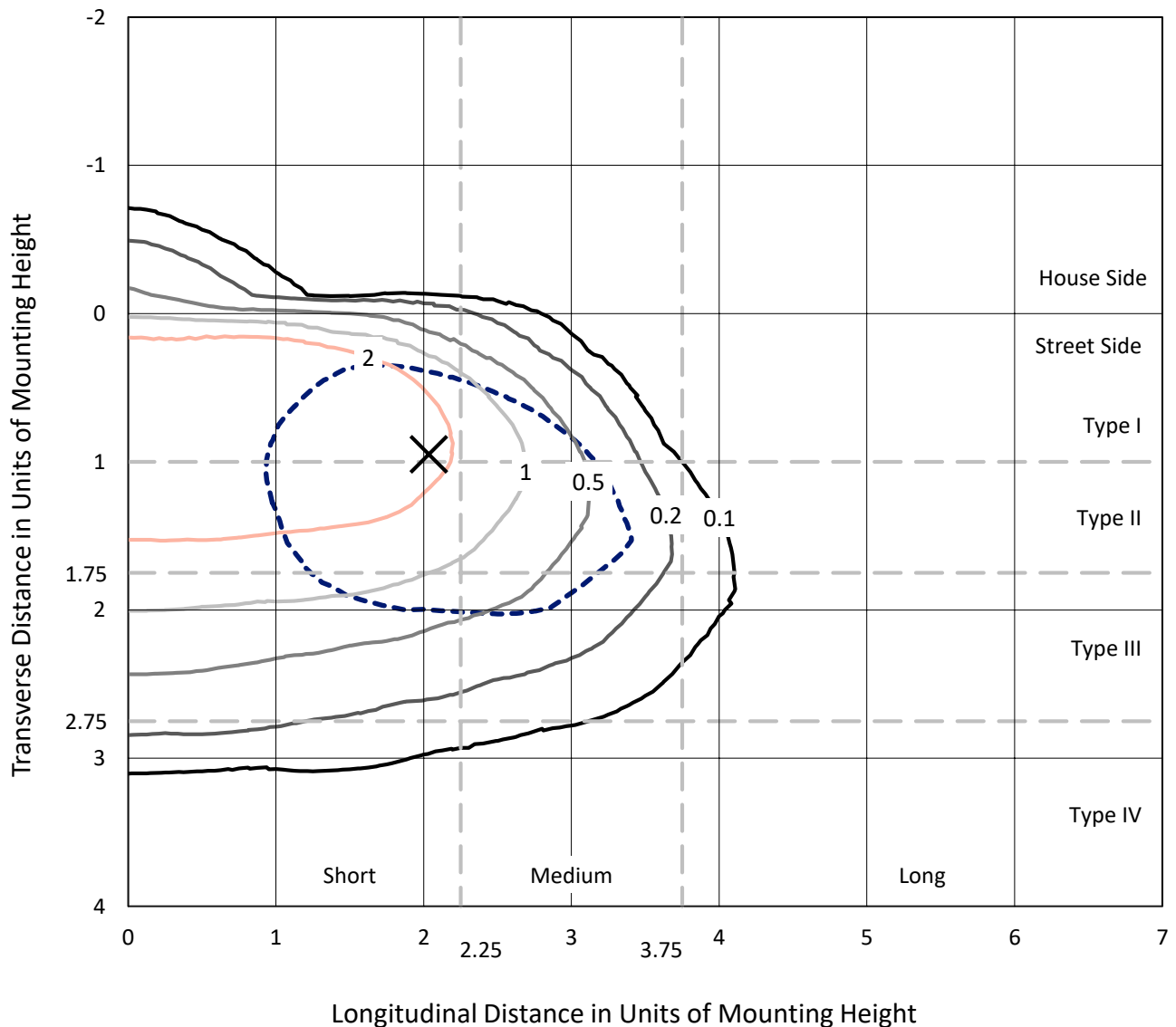
Lumens per Lamp: N/A  
Luminaire Lumens: 2792.7 lumens  
Efficiency: N/A  
Efficacy: 50.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 55  
Input Voltage (V): NR  
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

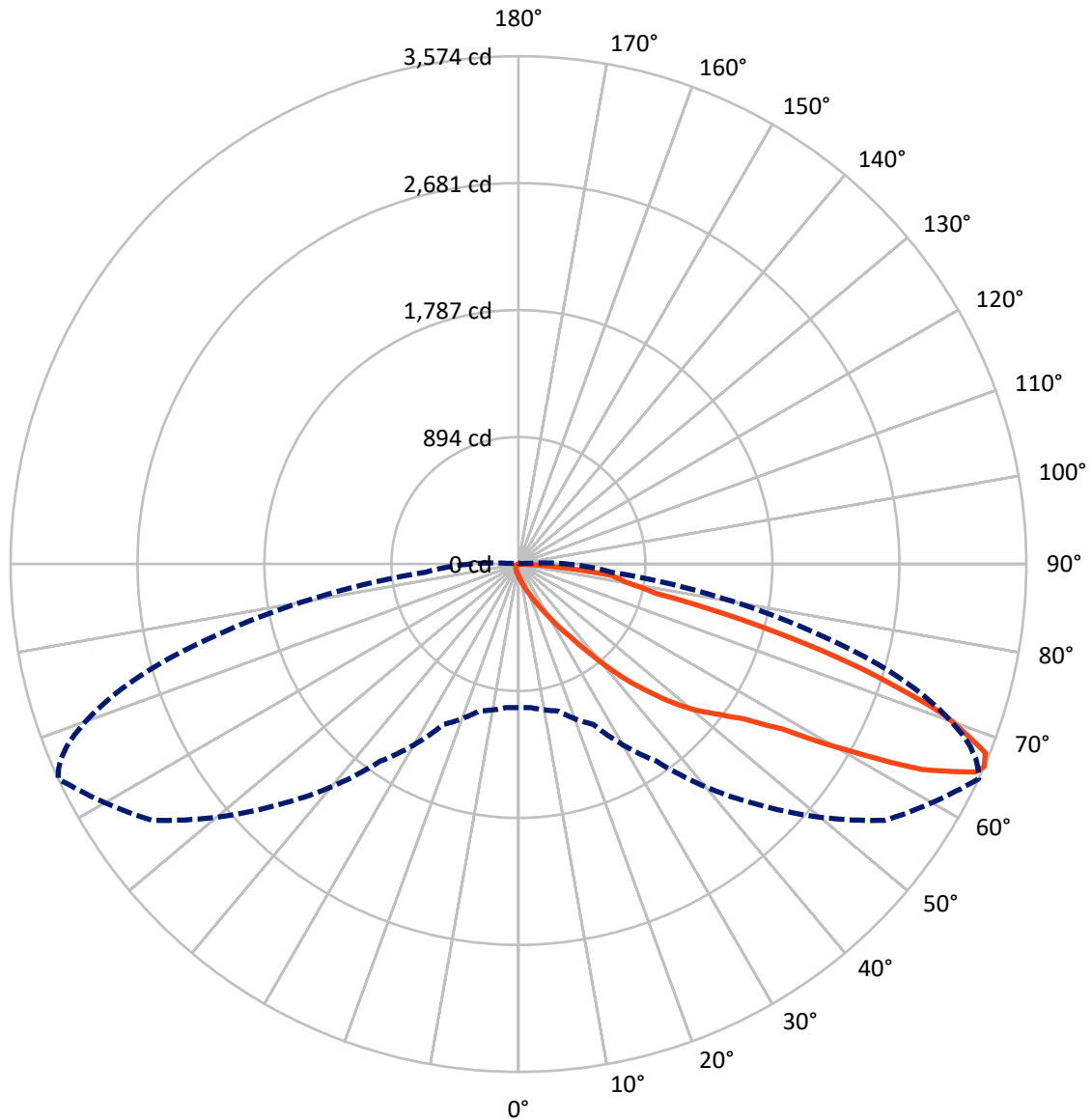
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 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    | 60.5     | 0.0    | 60.5   |
|                    | % Fixture | 2.2      | 0.0    | 2.2    |
| <b>Street Side</b> | Lumens    | 2732.2   | 0.0    | 2732.2 |
|                    | % Fixture | 97.8     | 0.0    | 97.8   |
| <b>Total</b>       | Lumens    | 2792.7   | 0.0    | 2792.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 9.4    | 0.3       |
| 10°-20°   | 40.0   | 1.4       |
| 20°-30°   | 86.3   | 3.1       |
| 30°-40°   | 184.3  | 6.6       |
| 40°-50°   | 407.6  | 14.6      |
| 50°-60°   | 690.7  | 24.7      |
| 60°-70°   | 921.7  | 33.0      |
| 70°-80°   | 406.0  | 14.5      |
| 80°-90°   | 46.8   | 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°    | 2792.7 | 100.0     |
| 0°-180°   | 2792.7 | 100.0     |

**Coefficient of Utilization**



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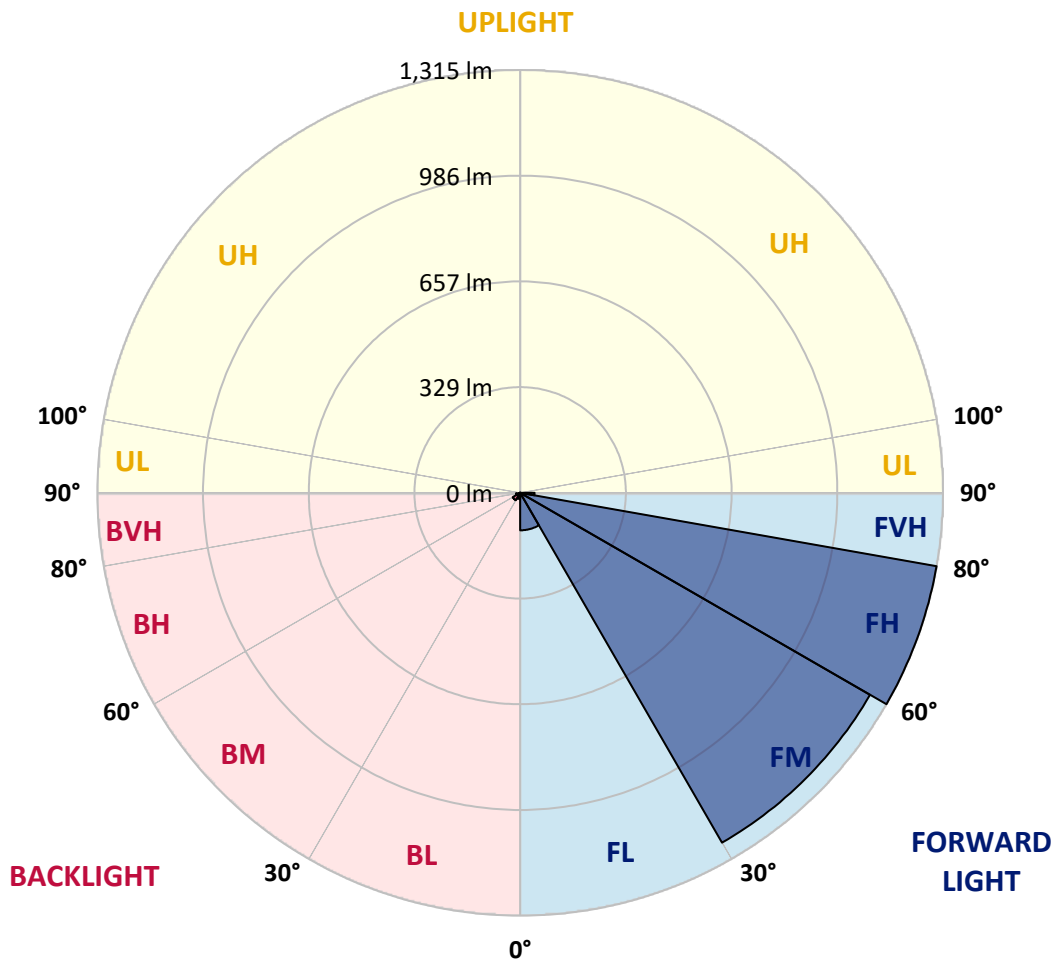
CATALOG NUMBER: CEM-F02-LED-E-U-SL3-HSS-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 116.6  | 4.2       |                         |      |         |
| FM   | (30°-60°)   | 1256.0 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 1314.7 | 47.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 44.9   | 1.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 19.1   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 26.6   | 1.0       | B0/220                  |      |         |
| BH   | (60°-80°)   | 13.0   | 0.5       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.9    | 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°    | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   |
| 2.5°  | 106.3  | 105.8  | 103.6  | 103.6  | 100.4  | 98.3   | 95.6   | 92.9   | 92.9   | 92.3   | 91.8   |
| 5°    | 140.7  | 137.5  | 136.9  | 131.0  | 126.2  | 119.2  | 112.8  | 104.1  | 103.1  | 102.0  | 101.5  |
| 7.5°  | 178.8  | 178.3  | 173.4  | 166.4  | 156.8  | 143.9  | 131.0  | 117.1  | 114.9  | 113.8  | 111.7  |
| 10°   | 228.2  | 225.5  | 219.1  | 207.3  | 192.7  | 175.6  | 154.6  | 132.6  | 129.9  | 127.8  | 126.7  |
| 12.5° | 275.4  | 270.6  | 266.8  | 251.8  | 233.6  | 208.3  | 183.1  | 151.4  | 149.3  | 146.6  | 142.3  |
| 15°   | 319.5  | 315.2  | 308.7  | 295.9  | 275.4  | 243.7  | 214.3  | 175.6  | 170.2  | 166.4  | 163.2  |
| 17.5° | 353.9  | 351.1  | 343.6  | 329.1  | 307.1  | 279.2  | 243.7  | 200.2  | 196.0  | 191.2  | 185.2  |
| 20°   | 386.5  | 382.8  | 371.0  | 351.1  | 327.5  | 306.0  | 278.6  | 232.5  | 226.6  | 220.7  | 214.3  |
| 22.5° | 417.7  | 413.9  | 394.6  | 361.9  | 336.6  | 327.5  | 317.8  | 269.0  | 259.9  | 255.0  | 248.6  |
| 25°   | 461.2  | 453.1  | 423.1  | 371.0  | 337.2  | 344.1  | 360.8  | 316.2  | 307.7  | 300.7  | 290.5  |
| 27.5° | 519.7  | 509.0  | 461.8  | 384.4  | 339.3  | 362.4  | 410.2  | 373.7  | 364.6  | 356.5  | 345.2  |
| 30°   | 585.8  | 578.8  | 522.4  | 416.6  | 354.9  | 389.3  | 465.5  | 446.7  | 436.0  | 426.3  | 412.9  |
| 32.5° | 652.4  | 642.7  | 586.9  | 477.9  | 396.8  | 441.3  | 534.8  | 531.6  | 517.6  | 508.5  | 494.0  |
| 35°   | 710.9  | 706.0  | 664.7  | 578.3  | 492.3  | 532.6  | 627.1  | 630.8  | 618.5  | 608.9  | 592.7  |
| 37.5° | 750.6  | 750.6  | 742.5  | 686.2  | 644.3  | 674.4  | 762.9  | 763.5  | 751.1  | 729.1  | 721.1  |
| 40°   | 771.0  | 776.9  | 805.9  | 816.6  | 814.5  | 853.2  | 941.2  | 931.6  | 921.3  | 910.0  | 883.2  |
| 42.5° | 812.9  | 818.3  | 880.0  | 954.1  | 1002.4 | 1053.4 | 1114.1 | 1110.9 | 1098.5 | 1078.1 | 1053.4 |
| 45°   | 883.8  | 890.7  | 964.3  | 1081.9 | 1181.2 | 1253.7 | 1292.4 | 1277.3 | 1265.0 | 1245.7 | 1232.7 |
| 47.5° | 974.0  | 987.4  | 1070.6 | 1216.1 | 1335.8 | 1455.6 | 1495.8 | 1456.1 | 1445.3 | 1430.3 | 1409.4 |
| 50°   | 1070.1 | 1083.0 | 1171.6 | 1338.0 | 1473.3 | 1616.1 | 1683.2 | 1616.1 | 1600.5 | 1595.7 | 1572.1 |
| 52.5° | 1153.3 | 1164.0 | 1249.4 | 1432.0 | 1578.5 | 1746.0 | 1843.7 | 1755.1 | 1743.9 | 1727.8 | 1710.6 |
| 55°   | 1202.7 | 1211.3 | 1291.3 | 1477.0 | 1649.9 | 1863.1 | 1998.9 | 1921.1 | 1904.4 | 1898.0 | 1873.3 |
| 57.5° | 1219.3 | 1227.9 | 1299.9 | 1482.9 | 1688.6 | 1969.9 | 2187.4 | 2190.1 | 2170.2 | 2147.1 | 2139.6 |
| 60°   | 1219.3 | 1229.0 | 1289.6 | 1468.4 | 1726.2 | 2083.7 | 2438.7 | 2662.5 | 2619.6 | 2615.3 | 2587.9 |
| 62.5° | 1168.9 | 1178.0 | 1239.2 | 1423.9 | 1776.7 | 2237.3 | 2788.7 | 3183.9 | 3171.5 | 3143.6 | 3098.5 |
| 65°   | 1059.3 | 1064.7 | 1124.8 | 1310.1 | 1757.3 | 2378.5 | 3092.1 | 3530.7 | 3510.8 | 3456.1 | 3398.1 |
| 66°   | 1009.9 | 1014.2 | 1070.6 | 1245.1 | 1693.9 | 2397.8 | 3145.8 | 3574.2 | 3541.5 | 3495.3 | 3429.8 |
| 67.5° | 938.5  | 946.0  | 985.8  | 1124.3 | 1542.0 | 2330.7 | 3111.9 | 3543.6 | 3515.1 | 3459.3 | 3393.8 |
| 70°   | 626.6  | 621.2  | 761.4  | 862.8  | 1174.8 | 1899.0 | 2792.0 | 3181.7 | 3182.3 | 3156.0 | 3129.7 |
| 72.5° | 297.4  | 300.7  | 341.5  | 531.0  | 768.9  | 1268.7 | 2222.3 | 2539.6 | 2576.1 | 2528.9 | 2496.1 |
| 75°   | 213.7  | 218.5  | 243.2  | 324.8  | 458.5  | 761.4  | 1440.5 | 1776.1 | 1777.2 | 1693.4 | 1618.8 |
| 77.5° | 62.3   | 64.9   | 91.3   | 200.2  | 343.6  | 513.8  | 827.4  | 987.4  | 964.3  | 904.2  | 847.8  |
| 80°   | 25.8   | 25.8   | 26.8   | 63.9   | 138.0  | 349.0  | 578.8  | 760.3  | 757.6  | 734.5  | 701.2  |
| 82.5° | 9.7    | 10.2   | 12.9   | 26.3   | 32.8   | 85.9   | 386.0  | 659.9  | 658.2  | 625.5  | 601.9  |
| 85°   | 1.1    | 1.1    | 3.2    | 11.3   | 12.4   | 16.1   | 77.3   | 291.0  | 289.4  | 291.0  | 255.0  |
| 87.5° | 0.0    | 0.0    | 0.6    | 1.1    | 1.6    | 2.1    | 3.2    | 11.3   | 12.4   | 11.8   | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   | 84.3   |
| 2.5°  | 91.8   | 90.8   | 90.8   | 90.2   | 90.2   | 90.2   | 89.7   | 89.1   | 89.1   | 88.6   | 88.0   |
| 5°    | 100.4  | 99.3   | 98.8   | 97.7   | 97.2   | 96.6   | 95.6   | 95.0   | 94.0   | 93.4   | 92.9   |
| 7.5°  | 110.6  | 108.5  | 107.9  | 106.3  | 104.7  | 103.6  | 102.6  | 100.9  | 99.8   | 97.7   | 97.2   |
| 10°   | 123.5  | 120.8  | 118.6  | 116.5  | 114.9  | 112.2  | 110.6  | 108.5  | 106.3  | 104.7  | 103.1  |
| 12.5° | 140.1  | 136.4  | 133.2  | 131.0  | 127.2  | 124.0  | 120.8  | 119.2  | 114.9  | 112.8  | 110.1  |
| 15°   | 158.4  | 154.1  | 150.3  | 146.0  | 143.4  | 138.0  | 133.7  | 128.9  | 126.7  | 122.9  | 118.6  |
| 17.5° | 182.0  | 175.0  | 169.1  | 164.8  | 159.5  | 154.1  | 149.3  | 144.5  | 138.0  | 133.7  | 128.3  |
| 20°   | 207.3  | 201.3  | 193.3  | 185.8  | 179.4  | 172.9  | 165.9  | 159.5  | 153.5  | 146.6  | 140.1  |
| 22.5° | 239.4  | 230.9  | 221.2  | 213.7  | 205.1  | 198.1  | 188.4  | 179.9  | 170.2  | 161.1  | 153.5  |
| 25°   | 280.3  | 269.0  | 259.9  | 249.2  | 238.9  | 228.2  | 216.4  | 205.6  | 193.3  | 184.7  | 171.8  |
| 27.5° | 330.8  | 320.0  | 307.7  | 293.7  | 283.5  | 267.4  | 251.8  | 238.4  | 223.9  | 210.5  | 196.0  |
| 30°   | 395.2  | 379.6  | 366.7  | 353.3  | 332.9  | 317.3  | 299.1  | 280.8  | 261.0  | 247.5  | 225.5  |
| 32.5° | 472.5  | 455.8  | 436.5  | 417.2  | 398.4  | 376.4  | 353.9  | 331.3  | 309.2  | 284.6  | 262.0  |
| 35°   | 567.0  | 547.1  | 525.1  | 504.2  | 475.2  | 451.5  | 423.1  | 392.0  | 367.2  | 338.8  | 310.3  |
| 37.5° | 692.1  | 659.3  | 640.0  | 618.0  | 578.8  | 546.6  | 514.9  | 483.7  | 440.3  | 410.2  | 369.9  |
| 40°   | 848.9  | 829.5  | 797.8  | 762.4  | 727.0  | 684.6  | 641.6  | 600.2  | 549.8  | 507.9  | 461.2  |
| 42.5° | 1033.0 | 1004.6 | 972.3  | 921.3  | 885.4  | 835.4  | 786.6  | 731.8  | 670.0  | 616.4  | 561.6  |
| 45°   | 1205.9 | 1172.1 | 1147.4 | 1096.4 | 1058.8 | 999.7  | 940.6  | 882.7  | 811.3  | 742.0  | 678.7  |
| 47.5° | 1392.8 | 1364.8 | 1324.0 | 1282.7 | 1244.6 | 1178.0 | 1114.1 | 1043.8 | 968.6  | 886.4  | 804.3  |
| 50°   | 1557.0 | 1535.0 | 1507.1 | 1457.2 | 1414.8 | 1358.9 | 1283.8 | 1207.0 | 1111.9 | 1030.3 | 936.9  |
| 52.5° | 1696.6 | 1679.5 | 1640.3 | 1604.8 | 1566.7 | 1514.1 | 1447.0 | 1373.4 | 1270.8 | 1181.2 | 1074.9 |
| 55°   | 1861.5 | 1849.1 | 1814.8 | 1792.8 | 1758.9 | 1708.4 | 1645.6 | 1577.4 | 1469.0 | 1371.2 | 1251.0 |
| 57.5° | 2131.5 | 2121.9 | 2091.8 | 2082.7 | 2049.4 | 2005.4 | 1928.1 | 1855.0 | 1728.3 | 1607.0 | 1469.5 |
| 60°   | 2578.8 | 2559.5 | 2515.4 | 2492.9 | 2422.5 | 2363.5 | 2263.1 | 2162.7 | 2009.7 | 1855.0 | 1689.6 |
| 62.5° | 3057.7 | 3003.5 | 2919.7 | 2847.8 | 2747.9 | 2645.4 | 2511.1 | 2357.6 | 2178.2 | 1994.6 | 1804.6 |
| 65°   | 3316.0 | 3223.6 | 3117.9 | 3003.5 | 2874.1 | 2723.2 | 2554.1 | 2369.9 | 2177.2 | 1983.3 | 1782.5 |
| 66°   | 3345.5 | 3241.3 | 3129.1 | 3001.9 | 2858.0 | 2697.4 | 2525.6 | 2332.3 | 2132.1 | 1943.1 | 1742.3 |
| 67.5° | 3308.5 | 3199.5 | 3080.8 | 2939.6 | 2783.9 | 2617.5 | 2437.0 | 2236.2 | 2043.5 | 1851.8 | 1656.4 |
| 70°   | 3049.1 | 2940.7 | 2834.9 | 2686.2 | 2520.3 | 2352.7 | 2182.0 | 1957.6 | 1775.0 | 1598.9 | 1425.0 |
| 72.5° | 2434.9 | 2361.3 | 2256.6 | 2129.4 | 1967.8 | 1771.3 | 1629.0 | 1428.2 | 1269.8 | 1099.1 | 964.3  |
| 75°   | 1521.6 | 1418.0 | 1288.6 | 1126.4 | 1002.9 | 843.5  | 760.3  | 607.8  | 517.6  | 438.7  | 362.4  |
| 77.5° | 778.0  | 700.1  | 609.4  | 518.1  | 430.6  | 343.6  | 265.8  | 187.9  | 126.7  | 88.0   | 65.5   |
| 80°   | 642.7  | 574.0  | 498.8  | 415.6  | 338.3  | 262.5  | 189.0  | 128.9  | 82.2   | 53.7   | 41.9   |
| 82.5° | 531.0  | 473.0  | 405.9  | 328.6  | 261.5  | 206.2  | 143.4  | 93.4   | 58.0   | 37.6   | 29.5   |
| 85°   | 226.1  | 205.1  | 158.4  | 125.6  | 94.5   | 69.8   | 48.8   | 32.8   | 23.1   | 18.8   | 17.2   |
| 87.5° | 9.7    | 10.7   | 10.2   | 8.1    | 5.9    | 5.9    | 5.4    | 4.3    | 4.3    | 4.3    | 4.3    |
| 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):**

|       | 80°    | 81°    | 82°    | 83°    | 84°   | 85°   | 95°  | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|--------|-------|-------|------|------|------|------|------|
| 0°    | 84.3   | 84.3   | 84.3   | 84.3   | 84.3  | 84.3  | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 2.5°  | 88.0   | 87.5   | 87.0   | 87.0   | 86.5  | 85.9  | 82.7 | 80.0 | 76.8 | 74.7 | 72.5 |
| 5°    | 91.8   | 91.3   | 90.2   | 89.7   | 88.6  | 88.0  | 81.1 | 75.2 | 70.3 | 66.6 | 63.9 |
| 7.5°  | 95.6   | 95.0   | 93.4   | 91.8   | 91.3  | 90.2  | 78.9 | 71.4 | 64.9 | 60.7 | 58.0 |
| 10°   | 100.4  | 98.8   | 97.2   | 95.0   | 93.4  | 91.8  | 76.8 | 67.1 | 60.1 | 56.4 | 53.7 |
| 12.5° | 107.4  | 104.7  | 102.0  | 99.3   | 97.2  | 94.5  | 75.7 | 63.4 | 56.4 | 52.1 | 49.4 |
| 15°   | 115.4  | 111.7  | 108.5  | 105.2  | 101.5 | 98.8  | 73.6 | 60.1 | 53.1 | 48.8 | 45.6 |
| 17.5° | 122.9  | 118.6  | 113.8  | 109.0  | 105.2 | 101.5 | 71.4 | 56.9 | 49.9 | 45.6 | 42.4 |
| 20°   | 133.7  | 127.2  | 121.4  | 115.4  | 110.1 | 105.2 | 68.2 | 53.7 | 47.3 | 42.4 | 39.2 |
| 22.5° | 145.5  | 138.0  | 130.4  | 122.4  | 115.4 | 109.0 | 65.5 | 51.0 | 44.6 | 39.8 | 36.0 |
| 25°   | 160.5  | 151.4  | 141.2  | 131.0  | 122.9 | 114.4 | 62.8 | 48.3 | 41.9 | 37.0 | 33.3 |
| 27.5° | 181.5  | 168.6  | 157.3  | 144.5  | 132.1 | 122.4 | 60.7 | 46.2 | 39.2 | 34.3 | 30.6 |
| 30°   | 209.9  | 191.2  | 173.4  | 159.5  | 145.0 | 131.0 | 58.5 | 43.5 | 37.0 | 31.7 | 27.4 |
| 32.5° | 241.6  | 219.6  | 199.2  | 178.3  | 160.0 | 143.9 | 56.4 | 41.3 | 34.3 | 29.0 | 25.2 |
| 35°   | 280.8  | 252.9  | 225.5  | 201.3  | 179.4 | 157.8 | 54.2 | 39.2 | 32.2 | 26.3 | 22.5 |
| 37.5° | 337.2  | 302.3  | 266.3  | 235.1  | 206.7 | 178.3 | 52.6 | 37.0 | 29.5 | 23.6 | 19.9 |
| 40°   | 414.5  | 369.4  | 325.4  | 283.0  | 245.9 | 210.5 | 50.5 | 34.9 | 27.4 | 21.5 | 17.7 |
| 42.5° | 498.2  | 443.5  | 385.5  | 337.7  | 286.7 | 242.2 | 48.3 | 32.8 | 25.2 | 19.3 | 15.6 |
| 45°   | 602.4  | 534.2  | 463.9  | 398.9  | 336.6 | 279.2 | 46.2 | 30.6 | 22.5 | 17.2 | 13.4 |
| 47.5° | 716.2  | 629.3  | 549.8  | 468.2  | 394.1 | 325.4 | 43.5 | 29.0 | 20.4 | 15.0 | 11.8 |
| 50°   | 833.3  | 741.5  | 641.1  | 548.2  | 460.1 | 371.5 | 40.8 | 26.3 | 18.2 | 13.4 | 9.7  |
| 52.5° | 959.5  | 851.0  | 748.5  | 633.0  | 530.5 | 432.2 | 38.1 | 24.2 | 16.7 | 11.8 | 8.1  |
| 55°   | 1120.0 | 998.6  | 878.4  | 749.0  | 625.5 | 502.5 | 35.5 | 21.5 | 14.5 | 10.2 | 6.4  |
| 57.5° | 1321.9 | 1178.0 | 1030.3 | 884.3  | 734.5 | 594.9 | 33.3 | 18.8 | 12.4 | 8.6  | 5.4  |
| 60°   | 1512.5 | 1344.4 | 1165.6 | 997.6  | 828.4 | 665.7 | 30.0 | 16.7 | 10.7 | 7.0  | 5.4  |
| 62.5° | 1611.3 | 1419.6 | 1226.8 | 1041.6 | 861.2 | 691.0 | 26.8 | 13.9 | 9.1  | 5.9  | 4.9  |
| 65°   | 1587.1 | 1391.7 | 1204.8 | 1018.0 | 841.3 | 674.9 | 23.6 | 12.4 | 8.1  | 5.4  | 4.9  |
| 66°   | 1552.2 | 1358.9 | 1171.0 | 993.3  | 824.7 | 657.7 | 22.0 | 11.8 | 7.5  | 5.4  | 4.3  |
| 67.5° | 1475.9 | 1289.1 | 1109.8 | 944.4  | 779.1 | 625.0 | 19.9 | 10.7 | 7.0  | 4.9  | 4.3  |
| 70°   | 1260.7 | 1091.0 | 947.7  | 800.5  | 665.7 | 526.7 | 16.1 | 9.1  | 5.9  | 4.3  | 4.3  |
| 72.5° | 834.4  | 718.9  | 623.3  | 536.4  | 448.3 | 347.9 | 13.4 | 7.5  | 4.9  | 4.3  | 3.8  |
| 75°   | 314.6  | 284.6  | 244.3  | 219.6  | 191.7 | 168.1 | 10.7 | 4.9  | 3.8  | 3.8  | 3.8  |
| 77.5° | 55.9   | 51.6   | 45.6   | 41.9   | 38.7  | 35.5  | 8.6  | 3.2  | 3.2  | 3.8  | 3.8  |
| 80°   | 37.6   | 34.9   | 31.7   | 29.0   | 26.8  | 24.2  | 5.9  | 2.7  | 3.2  | 3.2  | 3.8  |
| 82.5° | 26.8   | 25.2   | 23.6   | 21.5   | 19.9  | 17.7  | 3.8  | 2.7  | 3.2  | 3.2  | 3.2  |
| 85°   | 16.1   | 15.0   | 13.9   | 12.9   | 11.3  | 10.7  | 2.7  | 2.7  | 2.7  | 3.2  | 3.2  |
| 87.5° | 4.3    | 3.8    | 4.3    | 4.3    | 3.2   | 3.8   | 2.1  | 2.1  | 2.1  | 2.7  | 2.7  |
| 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: P162523

CATALOG NUMBER: CEM-F02-LED-E-U-SL3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 2.5°  | 71.4 | 71.4 | 70.3 | 71.9 | 71.9 |
| 5°    | 61.7 | 61.7 | 61.2 | 61.7 | 61.7 |
| 7.5°  | 56.4 | 55.9 | 55.9 | 55.9 | 56.4 |
| 10°   | 51.6 | 51.0 | 51.0 | 51.0 | 51.0 |
| 12.5° | 47.3 | 46.7 | 46.2 | 46.7 | 46.7 |
| 15°   | 43.5 | 42.4 | 42.4 | 42.4 | 42.4 |
| 17.5° | 40.3 | 39.2 | 38.7 | 38.7 | 38.7 |
| 20°   | 37.0 | 35.5 | 35.5 | 35.5 | 35.5 |
| 22.5° | 33.8 | 32.2 | 32.2 | 32.2 | 32.2 |
| 25°   | 30.6 | 29.0 | 29.0 | 29.0 | 29.0 |
| 27.5° | 27.9 | 26.3 | 26.3 | 26.3 | 26.3 |
| 30°   | 24.7 | 23.6 | 23.6 | 24.2 | 23.6 |
| 32.5° | 22.5 | 21.0 | 21.0 | 21.5 | 21.5 |
| 35°   | 19.9 | 18.8 | 18.8 | 18.8 | 18.8 |
| 37.5° | 17.2 | 16.1 | 16.1 | 16.1 | 16.1 |
| 40°   | 15.0 | 13.9 | 13.4 | 13.9 | 13.9 |
| 42.5° | 12.9 | 11.8 | 11.3 | 11.3 | 11.3 |
| 45°   | 11.3 | 9.7  | 9.1  | 9.7  | 9.7  |
| 47.5° | 9.1  | 8.1  | 8.1  | 8.6  | 8.6  |
| 50°   | 7.0  | 7.0  | 7.5  | 8.6  | 8.6  |
| 52.5° | 6.4  | 6.4  | 7.5  | 8.6  | 8.6  |
| 55°   | 5.9  | 6.4  | 7.5  | 8.1  | 8.6  |
| 57.5° | 5.4  | 6.4  | 7.5  | 8.1  | 8.1  |
| 60°   | 5.4  | 5.9  | 7.0  | 8.1  | 8.1  |
| 62.5° | 4.9  | 5.4  | 6.4  | 7.5  | 7.5  |
| 65°   | 4.9  | 5.4  | 6.4  | 7.5  | 7.5  |
| 66°   | 4.9  | 5.4  | 6.4  | 7.5  | 7.5  |
| 67.5° | 4.9  | 5.4  | 6.4  | 7.5  | 7.5  |
| 70°   | 4.9  | 5.4  | 6.4  | 7.0  | 7.0  |
| 72.5° | 4.3  | 4.9  | 5.9  | 7.0  | 7.0  |
| 75°   | 4.3  | 4.9  | 5.9  | 7.0  | 7.0  |
| 77.5° | 4.3  | 4.9  | 5.9  | 7.0  | 7.0  |
| 80°   | 4.3  | 4.9  | 5.9  | 6.4  | 7.0  |
| 82.5° | 3.8  | 4.9  | 5.4  | 6.4  | 6.4  |
| 85°   | 3.8  | 4.3  | 5.4  | 5.9  | 6.4  |
| 87.5° | 3.2  | 3.8  | 4.3  | 5.4  | 5.4  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)