

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: P162520

Luminaire Tested: **CEM-F02-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162520
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-8030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2297.1 lumens
Efficiency: N/A
Efficacy: 41.8 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

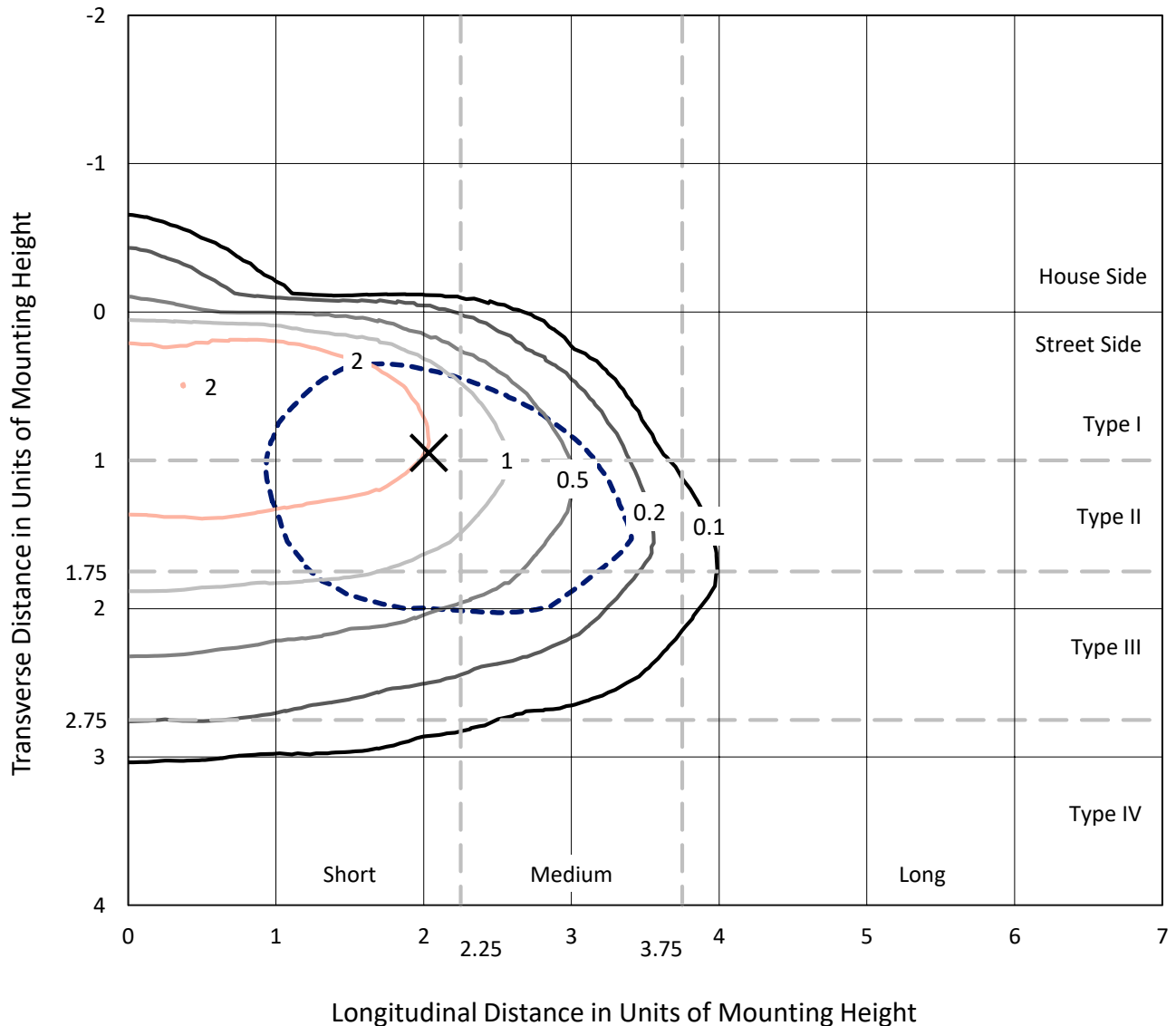
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

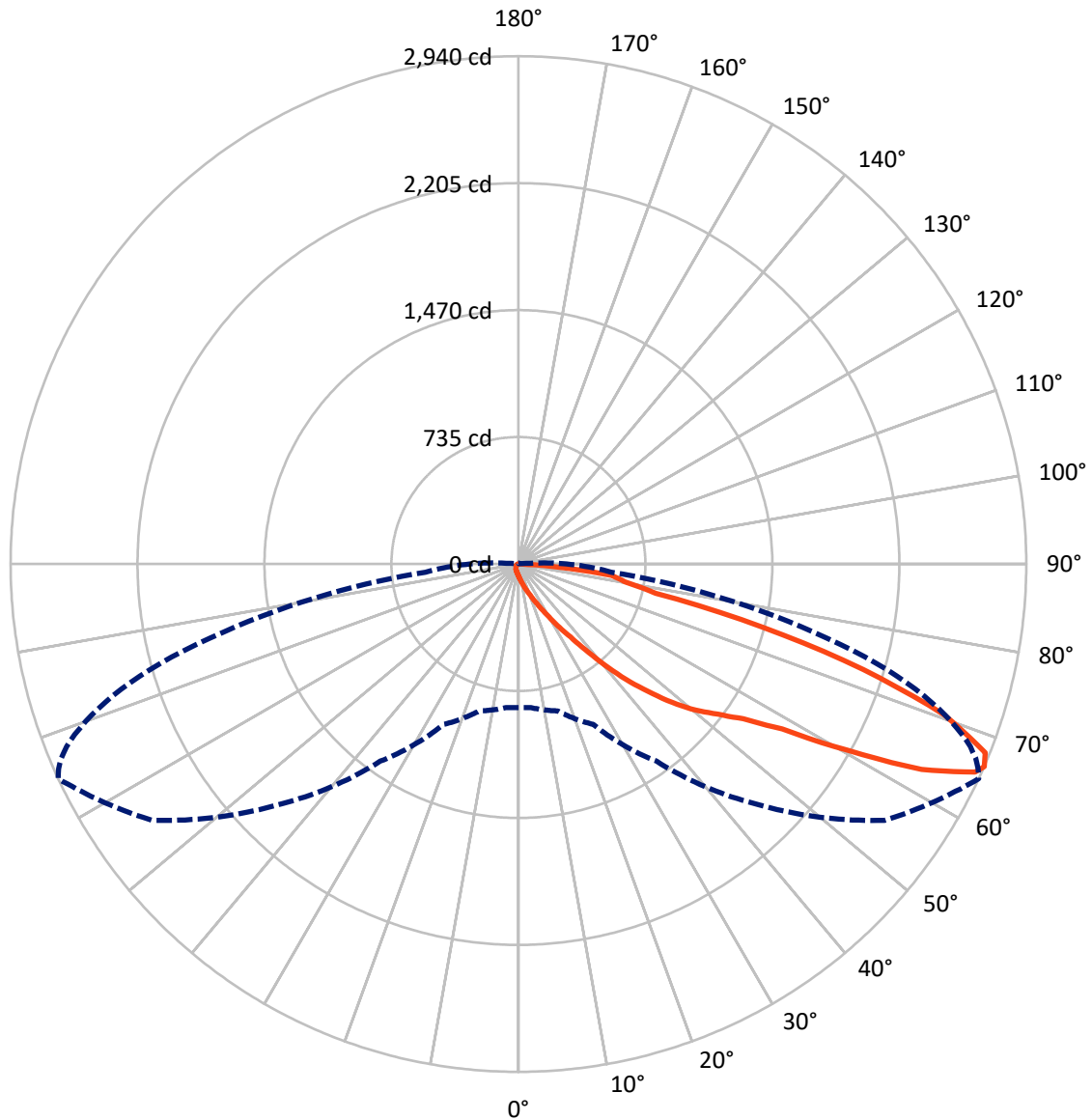
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 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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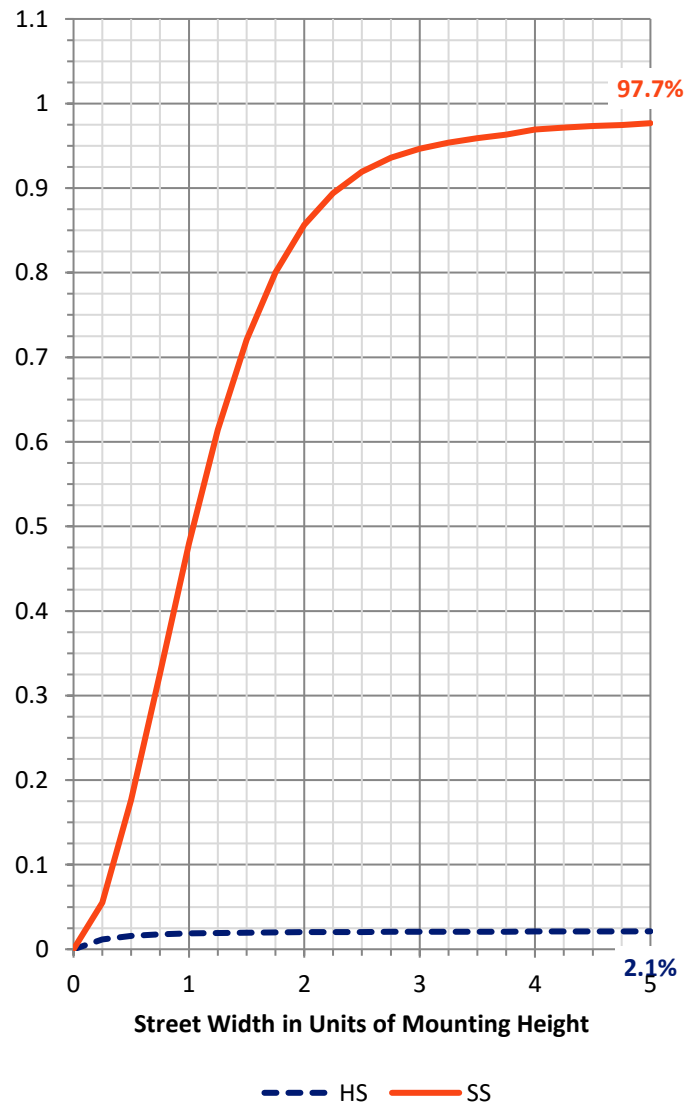
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 49.8 | 0.0 | 49.8 |
| | % Fixture | 2.2 | 0.0 | 2.2 |
| Street Side | Lumens | 2247.3 | 0.0 | 2247.3 |
| | % Fixture | 97.8 | 0.0 | 97.8 |
| Total | Lumens | 2297.1 | 0.0 | 2297.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 7.8 | 0.3 |
| 10°-20° | 32.9 | 1.4 |
| 20°-30° | 71.0 | 3.1 |
| 30°-40° | 151.6 | 6.6 |
| 40°-50° | 335.2 | 14.6 |
| 50°-60° | 568.1 | 24.7 |
| 60°-70° | 758.1 | 33.0 |
| 70°-80° | 333.9 | 14.5 |
| 80°-90° | 38.5 | 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° | 2297.1 | 100.0 |
| 0°-180° | 2297.1 | 100.0 |



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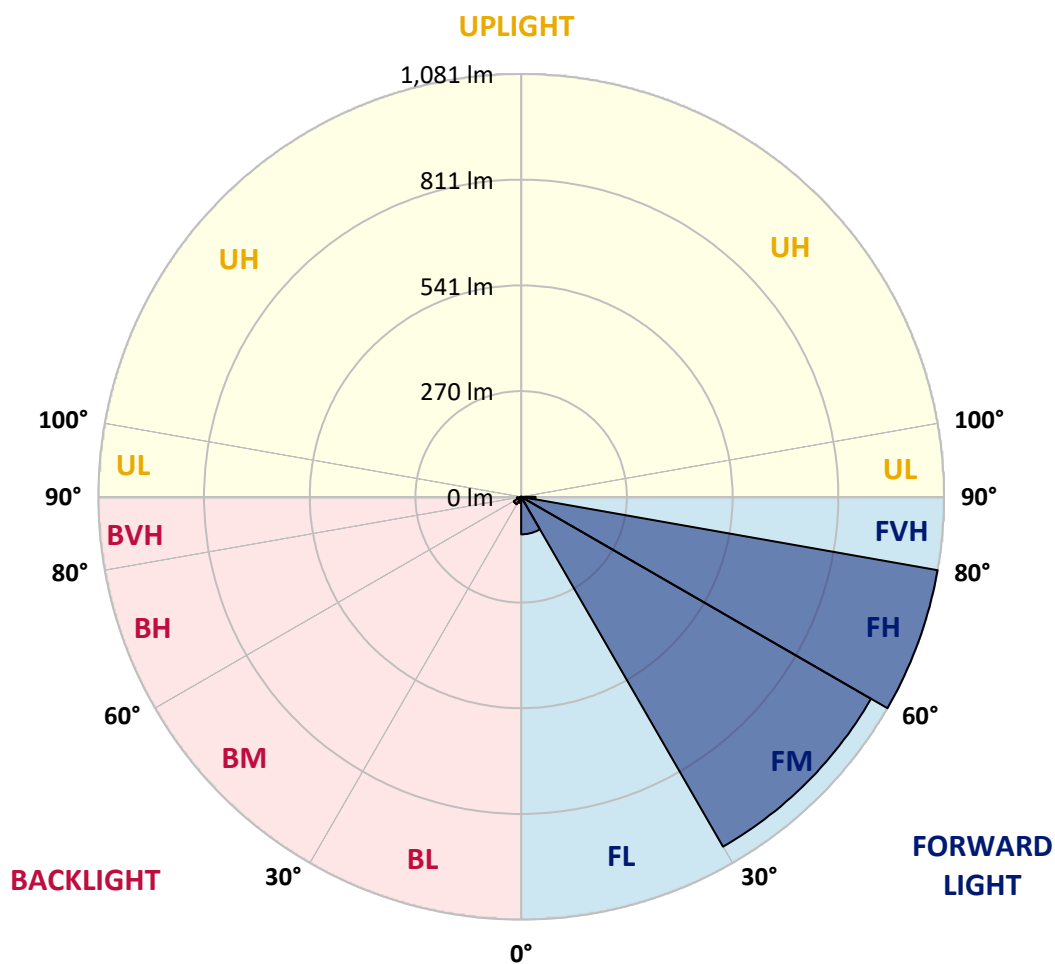
CATALOG NUMBER: CEM-F02-LED-E-U-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 95.9 | 4.2 | | | |
| FM | (30°-60°) | 1033.1 | 45.0 | | | |
| FH | (60°-80°) | 1081.3 | 47.1 | | | G1/1800 |
| FVH | (80°-90°) | 36.9 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 15.7 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 21.9 | 1.0 | B0/220 | | |
| BH | (60°-80°) | 10.7 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.5 | 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° | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 2.5° | 87.5 | 87.0 | 85.2 | 85.2 | 82.6 | 80.8 | 78.6 | 76.4 | 76.4 | 75.9 | 75.5 |
| 5° | 115.7 | 113.1 | 112.6 | 107.8 | 103.8 | 98.1 | 92.8 | 85.7 | 84.8 | 83.9 | 83.5 |
| 7.5° | 147.1 | 146.6 | 142.6 | 136.9 | 128.9 | 118.4 | 107.8 | 96.3 | 94.5 | 93.6 | 91.9 |
| 10° | 187.7 | 185.5 | 180.2 | 170.5 | 158.5 | 144.4 | 127.2 | 109.1 | 106.9 | 105.1 | 104.2 |
| 12.5° | 226.5 | 222.6 | 219.5 | 207.1 | 192.1 | 171.4 | 150.6 | 124.5 | 122.8 | 120.6 | 117.1 |
| 15° | 262.8 | 259.2 | 253.9 | 243.3 | 226.5 | 200.5 | 176.2 | 144.4 | 140.0 | 136.9 | 134.2 |
| 17.5° | 291.0 | 288.8 | 282.6 | 270.7 | 252.6 | 229.6 | 200.5 | 164.7 | 161.2 | 157.2 | 152.4 |
| 20° | 317.9 | 314.9 | 305.2 | 288.8 | 269.4 | 251.7 | 229.2 | 191.2 | 186.4 | 181.5 | 176.2 |
| 22.5° | 343.6 | 340.5 | 324.6 | 297.6 | 276.9 | 269.4 | 261.4 | 221.2 | 213.8 | 209.8 | 204.5 |
| 25° | 379.3 | 372.7 | 348.0 | 305.2 | 277.3 | 283.1 | 296.8 | 260.1 | 253.1 | 247.3 | 238.9 |
| 27.5° | 427.5 | 418.6 | 379.8 | 316.2 | 279.1 | 298.1 | 337.4 | 307.4 | 299.9 | 293.2 | 283.9 |
| 30° | 481.8 | 476.1 | 429.7 | 342.7 | 291.9 | 320.2 | 382.9 | 367.4 | 358.6 | 350.6 | 339.6 |
| 32.5° | 536.6 | 528.6 | 482.7 | 393.1 | 326.4 | 363.0 | 439.9 | 437.2 | 425.7 | 418.2 | 406.3 |
| 35° | 584.7 | 580.7 | 546.7 | 475.6 | 404.9 | 438.1 | 515.8 | 518.9 | 508.8 | 500.8 | 487.5 |
| 37.5° | 617.4 | 617.4 | 610.8 | 564.4 | 529.9 | 554.7 | 627.5 | 628.0 | 617.8 | 599.7 | 593.1 |
| 40° | 634.2 | 639.0 | 662.9 | 671.7 | 669.9 | 701.8 | 774.2 | 766.2 | 757.8 | 748.5 | 726.5 |
| 42.5° | 668.6 | 673.0 | 723.8 | 784.8 | 824.5 | 866.5 | 916.3 | 913.7 | 903.6 | 886.8 | 866.5 |
| 45° | 726.9 | 732.6 | 793.2 | 889.9 | 971.6 | 1031.2 | 1063.0 | 1050.6 | 1040.5 | 1024.6 | 1013.9 |
| 47.5° | 801.1 | 812.1 | 880.6 | 1000.3 | 1098.8 | 1197.2 | 1230.3 | 1197.7 | 1188.8 | 1176.5 | 1159.2 |
| 50° | 880.2 | 890.8 | 963.6 | 1100.5 | 1211.8 | 1329.3 | 1384.5 | 1329.3 | 1316.5 | 1312.5 | 1293.0 |
| 52.5° | 948.6 | 957.4 | 1027.6 | 1177.8 | 1298.3 | 1436.2 | 1516.5 | 1443.6 | 1434.4 | 1421.1 | 1407.0 |
| 55° | 989.2 | 996.3 | 1062.1 | 1214.9 | 1357.1 | 1532.4 | 1644.2 | 1580.1 | 1566.4 | 1561.1 | 1540.8 |
| 57.5° | 1002.9 | 1010.0 | 1069.2 | 1219.8 | 1388.9 | 1620.3 | 1799.2 | 1801.4 | 1785.0 | 1766.0 | 1759.9 |
| 60° | 1002.9 | 1010.9 | 1060.8 | 1207.8 | 1419.8 | 1713.9 | 2005.9 | 2190.0 | 2154.7 | 2151.1 | 2128.6 |
| 62.5° | 961.4 | 968.9 | 1019.3 | 1171.2 | 1461.3 | 1840.2 | 2293.7 | 2618.8 | 2608.6 | 2585.7 | 2548.6 |
| 65° | 871.3 | 875.8 | 925.2 | 1077.6 | 1445.4 | 1956.4 | 2543.3 | 2904.1 | 2887.7 | 2842.7 | 2795.0 |
| 66° | 830.7 | 834.2 | 880.6 | 1024.1 | 1393.3 | 1972.3 | 2587.4 | 2939.9 | 2912.9 | 2874.9 | 2821.1 |
| 67.5° | 771.9 | 778.1 | 810.8 | 924.8 | 1268.3 | 1917.0 | 2559.6 | 2914.7 | 2891.3 | 2845.3 | 2791.5 |
| 70° | 515.4 | 510.9 | 626.2 | 709.7 | 966.3 | 1562.0 | 2296.4 | 2617.0 | 2617.5 | 2595.9 | 2574.2 |
| 72.5° | 244.6 | 247.3 | 280.9 | 436.8 | 632.4 | 1043.5 | 1827.9 | 2088.9 | 2118.9 | 2080.0 | 2053.1 |
| 75° | 175.8 | 179.8 | 200.1 | 267.2 | 377.1 | 626.2 | 1184.9 | 1460.9 | 1461.8 | 1392.9 | 1331.5 |
| 77.5° | 51.2 | 53.4 | 75.1 | 164.7 | 282.6 | 422.6 | 680.5 | 812.1 | 793.2 | 743.7 | 697.3 |
| 80° | 21.2 | 21.2 | 22.1 | 52.5 | 113.5 | 287.1 | 476.1 | 625.3 | 623.1 | 604.1 | 576.8 |
| 82.5° | 7.9 | 8.4 | 10.6 | 21.6 | 26.9 | 70.6 | 317.5 | 542.8 | 541.4 | 514.5 | 495.1 |
| 85° | 0.9 | 0.9 | 2.6 | 9.3 | 10.2 | 13.2 | 63.6 | 239.4 | 238.1 | 239.4 | 209.8 |
| 87.5° | 0.0 | 0.0 | 0.5 | 0.9 | 1.3 | 1.8 | 2.6 | 9.3 | 10.2 | 9.7 | 8.8 |
| 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-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 69° | 70° | 71° | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 2.5° | 75.5 | 74.6 | 74.6 | 74.2 | 74.2 | 74.2 | 73.8 | 73.3 | 73.3 | 72.9 | 72.4 |
| 5° | 82.6 | 81.7 | 81.2 | 80.4 | 79.9 | 79.5 | 78.6 | 78.2 | 77.3 | 76.8 | 76.4 |
| 7.5° | 91.0 | 89.2 | 88.8 | 87.5 | 86.1 | 85.2 | 84.4 | 83.0 | 82.1 | 80.4 | 79.9 |
| 10° | 101.6 | 99.4 | 97.6 | 95.8 | 94.5 | 92.3 | 91.0 | 89.2 | 87.5 | 86.1 | 84.8 |
| 12.5° | 115.2 | 112.2 | 109.5 | 107.8 | 104.6 | 102.0 | 99.4 | 98.1 | 94.5 | 92.8 | 90.5 |
| 15° | 130.3 | 126.8 | 123.6 | 120.1 | 117.9 | 113.5 | 109.9 | 106.0 | 104.2 | 101.1 | 97.6 |
| 17.5° | 149.7 | 143.9 | 139.1 | 135.6 | 131.2 | 126.8 | 122.8 | 118.8 | 113.5 | 109.9 | 105.5 |
| 20° | 170.5 | 165.6 | 159.0 | 152.8 | 147.5 | 142.2 | 136.5 | 131.2 | 126.3 | 120.6 | 115.2 |
| 22.5° | 196.9 | 189.9 | 181.9 | 175.8 | 168.7 | 162.9 | 155.0 | 147.9 | 140.0 | 132.5 | 126.3 |
| 25° | 230.5 | 221.2 | 213.8 | 204.9 | 196.5 | 187.7 | 178.0 | 169.1 | 159.0 | 151.9 | 141.3 |
| 27.5° | 272.1 | 263.2 | 253.1 | 241.6 | 233.2 | 219.9 | 207.1 | 196.1 | 184.2 | 173.1 | 161.2 |
| 30° | 325.1 | 312.2 | 301.6 | 290.6 | 273.8 | 261.0 | 246.0 | 230.9 | 214.6 | 203.6 | 185.5 |
| 32.5° | 388.6 | 374.9 | 359.1 | 343.1 | 327.7 | 309.6 | 291.0 | 272.5 | 254.4 | 234.1 | 215.5 |
| 35° | 466.3 | 450.0 | 431.9 | 414.7 | 390.8 | 371.4 | 348.0 | 322.4 | 302.1 | 278.6 | 255.2 |
| 37.5° | 569.2 | 542.3 | 526.4 | 508.3 | 476.1 | 449.6 | 423.5 | 397.9 | 362.1 | 337.4 | 304.3 |
| 40° | 698.2 | 682.3 | 656.2 | 627.1 | 597.9 | 563.1 | 527.8 | 493.7 | 452.2 | 417.8 | 379.3 |
| 42.5° | 849.7 | 826.3 | 799.8 | 757.8 | 728.2 | 687.2 | 647.0 | 601.9 | 551.1 | 507.0 | 461.9 |
| 45° | 991.9 | 964.0 | 943.8 | 901.8 | 870.9 | 822.3 | 773.7 | 726.0 | 667.3 | 610.3 | 558.2 |
| 47.5° | 1145.6 | 1122.6 | 1089.0 | 1055.0 | 1023.7 | 968.9 | 916.3 | 858.5 | 796.7 | 729.1 | 661.5 |
| 50° | 1280.7 | 1262.6 | 1239.6 | 1198.6 | 1163.7 | 1117.7 | 1055.9 | 992.8 | 914.6 | 847.5 | 770.6 |
| 52.5° | 1395.5 | 1381.4 | 1349.2 | 1320.0 | 1288.6 | 1245.3 | 1190.2 | 1129.6 | 1045.3 | 971.6 | 884.1 |
| 55° | 1531.1 | 1520.9 | 1492.7 | 1474.6 | 1446.7 | 1405.2 | 1353.6 | 1297.5 | 1208.3 | 1127.9 | 1029.0 |
| 57.5° | 1753.2 | 1745.3 | 1720.6 | 1713.0 | 1685.7 | 1649.5 | 1585.9 | 1525.8 | 1421.6 | 1321.8 | 1208.7 |
| 60° | 2121.1 | 2105.2 | 2069.0 | 2050.4 | 1992.6 | 1944.0 | 1861.4 | 1778.9 | 1653.0 | 1525.8 | 1389.8 |
| 62.5° | 2515.0 | 2470.4 | 2401.5 | 2342.3 | 2260.2 | 2175.9 | 2065.4 | 1939.2 | 1791.6 | 1640.6 | 1484.3 |
| 65° | 2727.4 | 2651.5 | 2564.5 | 2470.4 | 2364.0 | 2239.9 | 2100.8 | 1949.3 | 1790.7 | 1631.3 | 1466.2 |
| 66° | 2751.7 | 2666.0 | 2573.7 | 2469.1 | 2350.7 | 2218.7 | 2077.4 | 1918.4 | 1753.7 | 1598.2 | 1433.0 |
| 67.5° | 2721.3 | 2631.6 | 2534.0 | 2417.9 | 2289.8 | 2152.9 | 2004.5 | 1839.3 | 1680.8 | 1523.2 | 1362.4 |
| 70° | 2508.0 | 2418.7 | 2331.7 | 2209.4 | 2073.0 | 1935.2 | 1794.7 | 1610.2 | 1460.0 | 1315.2 | 1172.0 |
| 72.5° | 2002.7 | 1942.2 | 1856.1 | 1751.5 | 1618.5 | 1456.9 | 1339.9 | 1174.7 | 1044.4 | 904.0 | 793.2 |
| 75° | 1251.6 | 1166.3 | 1059.9 | 926.5 | 824.9 | 693.8 | 625.3 | 499.9 | 425.7 | 360.8 | 298.1 |
| 77.5° | 639.9 | 575.9 | 501.2 | 426.2 | 354.2 | 282.6 | 218.6 | 154.6 | 104.2 | 72.4 | 53.9 |
| 80° | 528.6 | 472.1 | 410.3 | 341.8 | 278.2 | 215.9 | 155.5 | 106.0 | 67.6 | 44.2 | 34.5 |
| 82.5° | 436.8 | 389.1 | 333.9 | 270.3 | 215.1 | 169.6 | 117.9 | 76.8 | 47.7 | 30.9 | 24.3 |
| 85° | 185.9 | 168.7 | 130.3 | 103.3 | 77.7 | 57.4 | 40.2 | 26.9 | 19.0 | 15.5 | 14.1 |
| 87.5° | 7.9 | 8.8 | 8.4 | 6.6 | 4.9 | 4.9 | 4.4 | 3.5 | 3.5 | 3.5 | 3.5 |
| 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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CATALOG NUMBER: CEM-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 80° | 81° | 82° | 83° | 84° | 85° | 95° | 105° | 115° | 125° | 135° |
|-------|--------|--------|--------|-------|-------|-------|------|------|------|------|------|
| 0° | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 2.5° | 72.4 | 72.0 | 71.5 | 71.5 | 71.1 | 70.6 | 68.0 | 65.8 | 63.2 | 61.4 | 59.6 |
| 5° | 75.5 | 75.1 | 74.2 | 73.8 | 72.9 | 72.4 | 66.7 | 61.8 | 57.8 | 54.8 | 52.5 |
| 7.5° | 78.6 | 78.2 | 76.8 | 75.5 | 75.1 | 74.2 | 64.9 | 58.8 | 53.4 | 49.9 | 47.7 |
| 10° | 82.6 | 81.2 | 79.9 | 78.2 | 76.8 | 75.5 | 63.2 | 55.2 | 49.5 | 46.4 | 44.2 |
| 12.5° | 88.3 | 86.1 | 83.9 | 81.7 | 79.9 | 77.7 | 62.3 | 52.1 | 46.4 | 42.8 | 40.6 |
| 15° | 94.9 | 91.9 | 89.2 | 86.5 | 83.5 | 81.2 | 60.5 | 49.5 | 43.7 | 40.2 | 37.5 |
| 17.5° | 101.1 | 97.6 | 93.6 | 89.6 | 86.5 | 83.5 | 58.8 | 46.8 | 41.1 | 37.5 | 34.9 |
| 20° | 109.9 | 104.6 | 99.8 | 94.9 | 90.5 | 86.5 | 56.1 | 44.2 | 38.9 | 34.9 | 32.2 |
| 22.5° | 119.7 | 113.5 | 107.3 | 100.7 | 94.9 | 89.6 | 53.9 | 41.9 | 36.6 | 32.7 | 29.6 |
| 25° | 132.1 | 124.5 | 116.1 | 107.8 | 101.1 | 94.1 | 51.7 | 39.8 | 34.5 | 30.5 | 27.4 |
| 27.5° | 149.3 | 138.7 | 129.4 | 118.8 | 108.6 | 100.7 | 49.9 | 38.0 | 32.2 | 28.2 | 25.2 |
| 30° | 172.7 | 157.2 | 142.6 | 131.2 | 119.2 | 107.8 | 48.1 | 35.8 | 30.5 | 26.1 | 22.5 |
| 32.5° | 198.7 | 180.6 | 163.8 | 146.6 | 131.6 | 118.4 | 46.4 | 34.0 | 28.2 | 23.8 | 20.8 |
| 35° | 230.9 | 208.0 | 185.5 | 165.6 | 147.5 | 129.8 | 44.6 | 32.2 | 26.5 | 21.6 | 18.5 |
| 37.5° | 277.3 | 248.6 | 219.1 | 193.4 | 170.0 | 146.6 | 43.3 | 30.5 | 24.3 | 19.4 | 16.4 |
| 40° | 340.9 | 303.8 | 267.6 | 232.8 | 202.2 | 173.1 | 41.5 | 28.7 | 22.5 | 17.7 | 14.6 |
| 42.5° | 409.8 | 364.8 | 317.1 | 277.8 | 235.8 | 199.2 | 39.8 | 26.9 | 20.8 | 15.9 | 12.8 |
| 45° | 495.5 | 439.4 | 381.6 | 328.1 | 276.9 | 229.6 | 38.0 | 25.2 | 18.5 | 14.1 | 11.1 |
| 47.5° | 589.1 | 517.6 | 452.2 | 385.1 | 324.2 | 267.6 | 35.8 | 23.8 | 16.8 | 12.4 | 9.7 |
| 50° | 685.4 | 609.9 | 527.3 | 450.9 | 378.5 | 305.6 | 33.6 | 21.6 | 15.0 | 11.1 | 7.9 |
| 52.5° | 789.2 | 700.0 | 615.6 | 520.6 | 436.3 | 355.5 | 31.4 | 19.9 | 13.7 | 9.7 | 6.6 |
| 55° | 921.2 | 821.4 | 722.5 | 616.1 | 514.5 | 413.3 | 29.2 | 17.7 | 11.9 | 8.4 | 5.3 |
| 57.5° | 1087.3 | 968.9 | 847.5 | 727.3 | 604.1 | 489.3 | 27.4 | 15.5 | 10.2 | 7.1 | 4.4 |
| 60° | 1244.0 | 1105.8 | 958.8 | 820.5 | 681.4 | 547.6 | 24.7 | 13.7 | 8.8 | 5.8 | 4.4 |
| 62.5° | 1325.3 | 1167.6 | 1009.1 | 856.8 | 708.3 | 568.4 | 22.1 | 11.5 | 7.5 | 4.9 | 4.0 |
| 65° | 1305.4 | 1144.7 | 991.0 | 837.3 | 692.0 | 555.1 | 19.4 | 10.2 | 6.6 | 4.4 | 4.0 |
| 66° | 1276.7 | 1117.7 | 963.2 | 817.0 | 678.3 | 541.0 | 18.1 | 9.7 | 6.2 | 4.4 | 3.5 |
| 67.5° | 1214.0 | 1060.3 | 912.8 | 776.8 | 640.8 | 514.1 | 16.4 | 8.8 | 5.8 | 4.0 | 3.5 |
| 70° | 1036.9 | 897.3 | 779.5 | 658.5 | 547.6 | 433.2 | 13.2 | 7.5 | 4.9 | 3.5 | 3.5 |
| 72.5° | 686.3 | 591.3 | 512.7 | 441.2 | 368.8 | 286.2 | 11.1 | 6.2 | 4.0 | 3.5 | 3.1 |
| 75° | 258.8 | 234.1 | 200.9 | 180.6 | 157.6 | 138.2 | 8.8 | 4.0 | 3.1 | 3.1 | 3.1 |
| 77.5° | 45.9 | 42.4 | 37.5 | 34.5 | 31.8 | 29.2 | 7.1 | 2.6 | 2.6 | 3.1 | 3.1 |
| 80° | 30.9 | 28.7 | 26.1 | 23.8 | 22.1 | 19.9 | 4.9 | 2.2 | 2.6 | 2.6 | 3.1 |
| 82.5° | 22.1 | 20.8 | 19.4 | 17.7 | 16.4 | 14.6 | 3.1 | 2.2 | 2.6 | 2.6 | 2.6 |
| 85° | 13.2 | 12.4 | 11.5 | 10.6 | 9.3 | 8.8 | 2.2 | 2.2 | 2.2 | 2.6 | 2.6 |
| 87.5° | 3.5 | 3.1 | 3.5 | 3.5 | 2.6 | 3.1 | 1.8 | 1.8 | 1.8 | 2.2 | 2.2 |
| 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: P162520

CATALOG NUMBER: CEM-F02-LED-E-U-SL3-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|
| 0° | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 2.5° | 58.8 | 58.8 | 57.8 | 59.2 | 59.2 |
| 5° | 50.8 | 50.8 | 50.4 | 50.8 | 50.8 |
| 7.5° | 46.4 | 45.9 | 45.9 | 45.9 | 46.4 |
| 10° | 42.4 | 41.9 | 41.9 | 41.9 | 41.9 |
| 12.5° | 38.9 | 38.4 | 38.0 | 38.4 | 38.4 |
| 15° | 35.8 | 34.9 | 34.9 | 34.9 | 34.9 |
| 17.5° | 33.1 | 32.2 | 31.8 | 31.8 | 31.8 |
| 20° | 30.5 | 29.2 | 29.2 | 29.2 | 29.2 |
| 22.5° | 27.8 | 26.5 | 26.5 | 26.5 | 26.5 |
| 25° | 25.2 | 23.8 | 23.8 | 23.8 | 23.8 |
| 27.5° | 22.9 | 21.6 | 21.6 | 21.6 | 21.6 |
| 30° | 20.3 | 19.4 | 19.4 | 19.9 | 19.4 |
| 32.5° | 18.5 | 17.2 | 17.2 | 17.7 | 17.7 |
| 35° | 16.4 | 15.5 | 15.5 | 15.5 | 15.5 |
| 37.5° | 14.1 | 13.2 | 13.2 | 13.2 | 13.2 |
| 40° | 12.4 | 11.5 | 11.1 | 11.5 | 11.5 |
| 42.5° | 10.6 | 9.7 | 9.3 | 9.3 | 9.3 |
| 45° | 9.3 | 7.9 | 7.5 | 7.9 | 7.9 |
| 47.5° | 7.5 | 6.6 | 6.6 | 7.1 | 7.1 |
| 50° | 5.8 | 5.8 | 6.2 | 7.1 | 7.1 |
| 52.5° | 5.3 | 5.3 | 6.2 | 7.1 | 7.1 |
| 55° | 4.9 | 5.3 | 6.2 | 6.6 | 7.1 |
| 57.5° | 4.4 | 5.3 | 6.2 | 6.6 | 6.6 |
| 60° | 4.4 | 4.9 | 5.8 | 6.6 | 6.6 |
| 62.5° | 4.0 | 4.4 | 5.3 | 6.2 | 6.2 |
| 65° | 4.0 | 4.4 | 5.3 | 6.2 | 6.2 |
| 66° | 4.0 | 4.4 | 5.3 | 6.2 | 6.2 |
| 67.5° | 4.0 | 4.4 | 5.3 | 6.2 | 6.2 |
| 70° | 4.0 | 4.4 | 5.3 | 5.8 | 5.8 |
| 72.5° | 3.5 | 4.0 | 4.9 | 5.8 | 5.8 |
| 75° | 3.5 | 4.0 | 4.9 | 5.8 | 5.8 |
| 77.5° | 3.5 | 4.0 | 4.9 | 5.8 | 5.8 |
| 80° | 3.5 | 4.0 | 4.9 | 5.3 | 5.8 |
| 82.5° | 3.1 | 4.0 | 4.4 | 5.3 | 5.3 |
| 85° | 3.1 | 3.5 | 4.4 | 4.9 | 5.3 |
| 87.5° | 2.6 | 3.1 | 3.5 | 4.4 | 4.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)