

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: P141314

Luminaire Tested: **CEM-F02-LED-E-U-SL4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141314
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33692)
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-SL4-7030
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4257.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

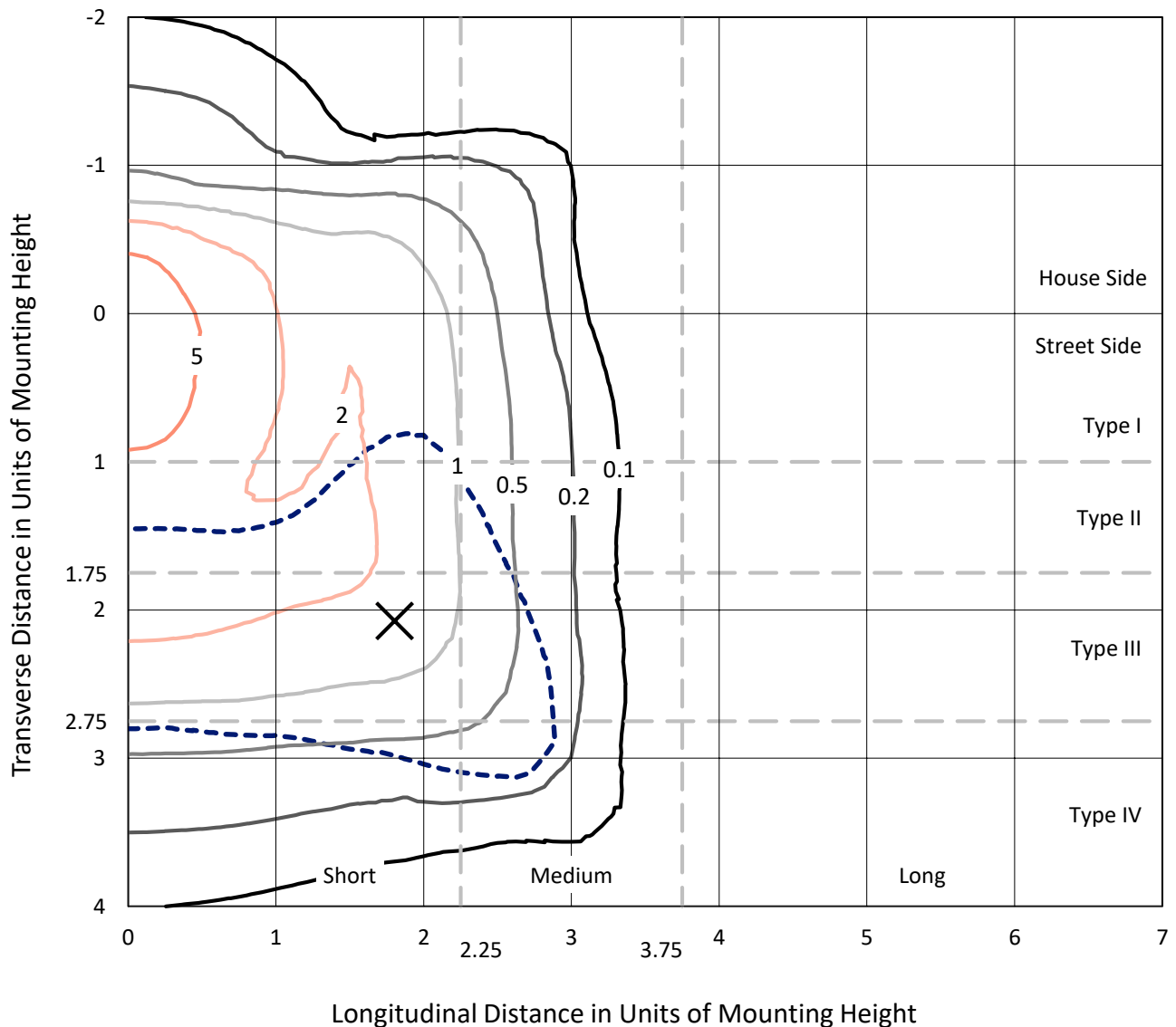
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P141314
 CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

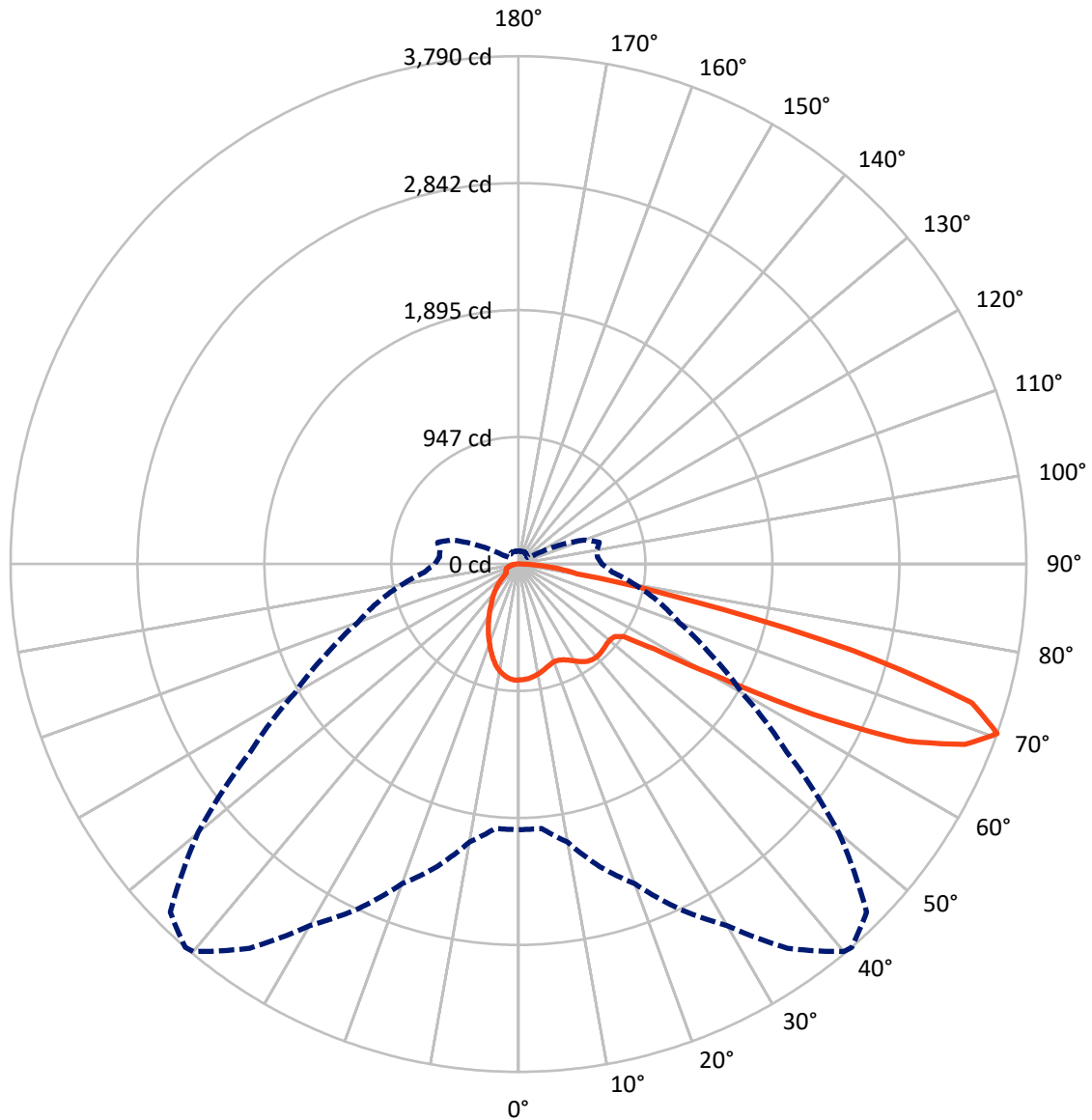


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P141314

CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P141314

CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 913.5 | 0.0 | 913.5 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 3344.2 | 0.0 | 3344.2 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 4257.8 | 0.0 | 4257.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.5 | 1.9 |
| 10°-20° | 215.8 | 5.1 |
| 20°-30° | 312.0 | 7.3 |
| 30°-40° | 397.0 | 9.3 |
| 40°-50° | 467.9 | 11.0 |
| 50°-60° | 715.9 | 16.8 |
| 60°-70° | 1330.6 | 31.3 |
| 70°-80° | 642.2 | 15.1 |
| 80°-90° | 95.9 | 2.3 |
| 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° | 4257.8 | 100.0 |
| 0°-180° | 4257.8 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P141314

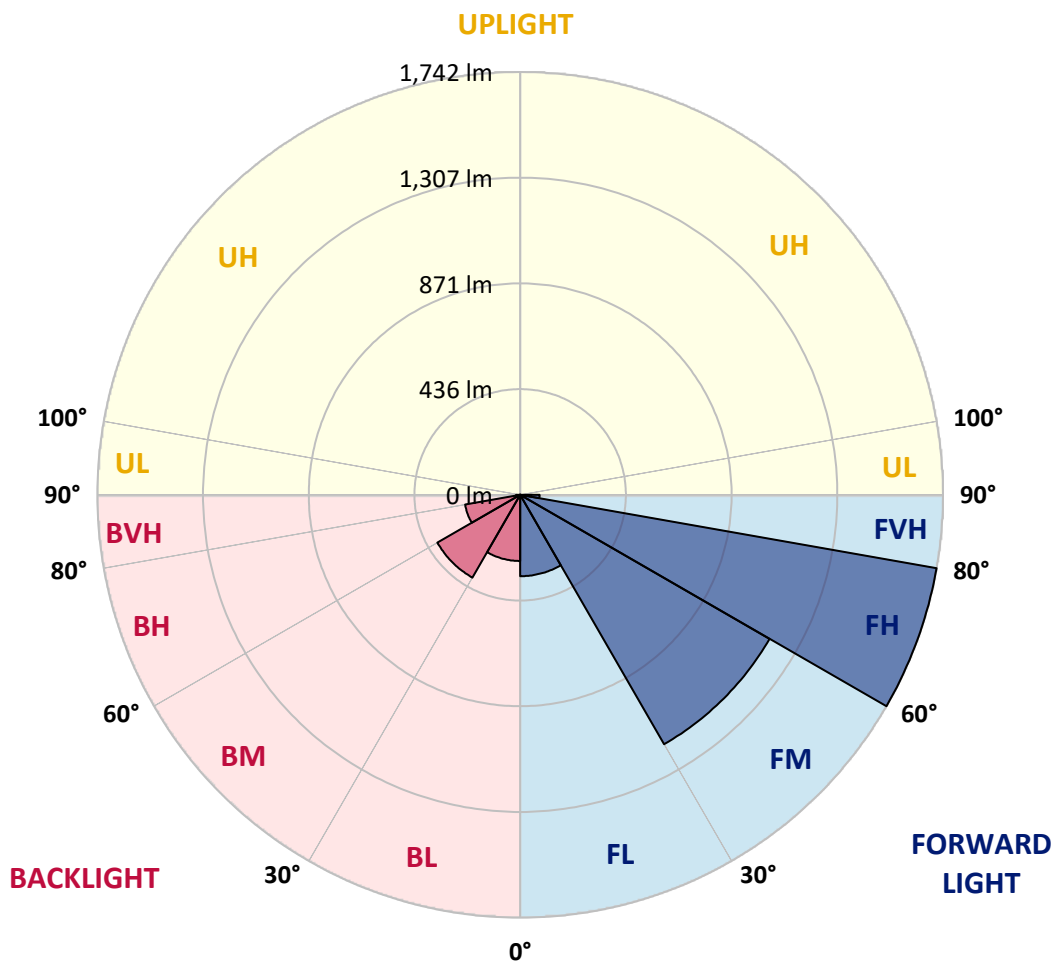
CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 335.3 | 7.9 | | | |
| FM | (30°-60°) | 1186.7 | 27.9 | | | |
| FH | (60°-80°) | 1742.5 | 40.9 | | | G1/1800 |
| FVH | (80°-90°) | 79.7 | 1.9 | | | G1/100 |
| BL | (0°-30°) | 272.9 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 394.1 | 9.3 | B1/1000 | | |
| BH | (60°-80°) | 230.3 | 5.4 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 16.2 | 0.4 | | | 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 IV Short





REPORT NUMBER: P141314

CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 41° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 |
| 2.5° | 865.1 | 866.1 | 865.6 | 864.6 | 863.6 | 864.1 | 863.6 | 863.1 | 863.1 | 862.6 | 862.1 |
| 5° | 861.1 | 863.1 | 861.6 | 860.6 | 859.0 | 859.0 | 858.5 | 857.5 | 856.5 | 856.0 | 855.0 |
| 7.5° | 852.5 | 854.5 | 853.5 | 852.5 | 851.0 | 850.0 | 848.0 | 847.0 | 846.0 | 845.5 | 844.0 |
| 10° | 841.0 | 842.0 | 841.0 | 838.9 | 837.9 | 837.4 | 836.4 | 834.4 | 832.4 | 831.4 | 829.9 |
| 12.5° | 825.9 | 826.4 | 825.4 | 824.4 | 822.9 | 822.9 | 821.4 | 819.8 | 816.8 | 815.8 | 812.3 |
| 15° | 812.8 | 811.3 | 810.3 | 809.8 | 809.3 | 806.8 | 807.3 | 804.8 | 799.7 | 798.2 | 794.2 |
| 17.5° | 809.3 | 807.8 | 807.3 | 805.8 | 804.8 | 801.7 | 798.7 | 793.7 | 785.2 | 783.7 | 777.6 |
| 20° | 819.3 | 819.3 | 817.8 | 816.8 | 815.3 | 809.8 | 803.3 | 793.7 | 778.1 | 774.6 | 767.1 |
| 22.5° | 843.5 | 841.0 | 839.9 | 839.9 | 839.4 | 831.4 | 819.3 | 804.3 | 783.7 | 779.1 | 766.1 |
| 25° | 881.2 | 876.6 | 878.2 | 877.6 | 876.6 | 865.1 | 847.5 | 825.9 | 797.7 | 791.7 | 774.6 |
| 27.5° | 925.9 | 926.9 | 926.4 | 924.4 | 921.4 | 908.8 | 883.7 | 854.5 | 819.3 | 813.3 | 791.2 |
| 30° | 972.7 | 973.7 | 976.7 | 975.2 | 973.2 | 954.1 | 922.9 | 891.2 | 848.5 | 840.5 | 813.3 |
| 32.5° | 1026.9 | 1030.5 | 1033.0 | 1033.5 | 1025.4 | 999.3 | 962.6 | 922.4 | 877.1 | 869.1 | 835.4 |
| 35° | 1089.8 | 1087.8 | 1092.3 | 1090.3 | 1076.2 | 1040.5 | 995.3 | 947.5 | 901.3 | 890.7 | 854.5 |
| 37.5° | 1153.1 | 1155.6 | 1151.1 | 1142.6 | 1120.4 | 1073.7 | 1017.9 | 964.1 | 912.8 | 902.8 | 865.1 |
| 40° | 1214.4 | 1212.9 | 1202.4 | 1187.8 | 1154.6 | 1094.8 | 1030.5 | 971.6 | 916.9 | 906.3 | 867.6 |
| 42.5° | 1260.2 | 1256.2 | 1240.1 | 1216.4 | 1173.7 | 1104.9 | 1034.0 | 971.6 | 914.3 | 903.3 | 864.1 |
| 45° | 1280.3 | 1276.3 | 1260.7 | 1230.5 | 1179.7 | 1102.8 | 1027.9 | 963.1 | 905.8 | 896.2 | 857.0 |
| 47.5° | 1280.3 | 1278.8 | 1261.7 | 1232.5 | 1178.2 | 1097.3 | 1018.9 | 952.5 | 897.3 | 887.7 | 851.0 |
| 50° | 1270.2 | 1269.2 | 1254.1 | 1225.5 | 1173.2 | 1094.3 | 1016.4 | 950.5 | 896.7 | 887.2 | 853.5 |
| 52.5° | 1303.9 | 1297.4 | 1281.8 | 1248.6 | 1191.8 | 1106.9 | 1028.9 | 960.6 | 908.8 | 899.3 | 864.6 |
| 55° | 1713.6 | 1708.0 | 1629.1 | 1490.4 | 1345.1 | 1212.4 | 1098.8 | 1020.4 | 968.1 | 953.6 | 928.4 |
| 57.5° | 2376.1 | 2368.0 | 2287.1 | 2160.9 | 1911.1 | 1627.1 | 1404.4 | 1273.7 | 1200.4 | 1189.8 | 1174.7 |
| 60° | 2645.0 | 2642.0 | 2607.8 | 2556.5 | 2462.0 | 2315.3 | 2108.2 | 1891.0 | 1722.1 | 1695.0 | 1697.0 |
| 62.5° | 2799.3 | 2791.8 | 2775.2 | 2762.6 | 2730.5 | 2670.6 | 2631.9 | 2571.1 | 2489.2 | 2470.6 | 2353.0 |
| 65° | 2885.8 | 2884.8 | 2893.8 | 2904.4 | 2902.4 | 2920.5 | 2940.1 | 3056.2 | 3192.4 | 3186.4 | 3062.2 |
| 67.5° | 2757.1 | 2765.6 | 2812.9 | 2885.3 | 2961.2 | 3041.6 | 3191.4 | 3424.1 | 3592.5 | 3592.5 | 3483.4 |
| 70° | 1982.0 | 1980.5 | 2106.2 | 2335.4 | 2539.5 | 2840.0 | 3116.0 | 3499.5 | 3775.0 | 3789.6 | 3674.0 |
| 72.5° | 1187.8 | 1215.4 | 1292.8 | 1396.9 | 1570.3 | 1934.2 | 2447.5 | 3136.6 | 3521.1 | 3536.7 | 3398.5 |
| 75° | 834.4 | 813.8 | 810.8 | 816.8 | 846.5 | 936.0 | 1218.5 | 1925.2 | 2552.5 | 2576.6 | 2442.9 |
| 77.5° | 533.8 | 529.3 | 531.3 | 537.8 | 539.4 | 547.9 | 561.5 | 660.0 | 1183.3 | 1298.9 | 1292.8 |
| 80° | 460.4 | 458.9 | 459.4 | 451.9 | 437.3 | 431.8 | 448.9 | 435.3 | 422.7 | 440.3 | 416.2 |
| 82.5° | 308.6 | 314.2 | 323.2 | 335.3 | 364.4 | 374.5 | 369.0 | 366.4 | 326.7 | 317.7 | 282.0 |
| 85° | 228.7 | 225.7 | 229.2 | 229.2 | 221.7 | 214.1 | 219.7 | 214.1 | 189.5 | 177.4 | 156.8 |
| 87.5° | 123.7 | 124.2 | 134.2 | 138.2 | 137.7 | 117.6 | 97.0 | 83.9 | 75.9 | 70.4 | 59.3 |
| 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: P141314

CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 |
| 2.5° | 862.6 | 861.1 | 861.6 | 861.6 | 861.1 | 862.1 | 860.6 | 860.1 | 860.6 | 860.6 | 860.6 |
| 5° | 854.0 | 852.0 | 852.0 | 851.5 | 850.5 | 850.5 | 848.5 | 848.0 | 847.0 | 848.5 | 847.5 |
| 7.5° | 842.0 | 838.9 | 836.4 | 834.4 | 833.4 | 831.9 | 829.4 | 828.4 | 827.4 | 826.9 | 825.9 |
| 10° | 827.4 | 823.9 | 818.8 | 814.8 | 812.8 | 808.8 | 805.8 | 801.7 | 801.7 | 799.7 | 797.7 |
| 12.5° | 809.8 | 804.8 | 799.7 | 794.2 | 790.7 | 785.2 | 780.1 | 775.6 | 772.1 | 767.6 | 764.5 |
| 15° | 792.2 | 784.7 | 779.1 | 773.6 | 767.1 | 759.5 | 753.5 | 746.5 | 739.9 | 732.9 | 730.9 |
| 17.5° | 773.1 | 767.1 | 762.0 | 755.5 | 748.5 | 739.4 | 731.4 | 719.8 | 711.8 | 703.2 | 696.7 |
| 20° | 760.5 | 753.5 | 748.0 | 741.9 | 734.4 | 723.8 | 713.3 | 700.2 | 688.1 | 675.6 | 666.0 |
| 22.5° | 754.0 | 742.4 | 737.4 | 731.9 | 724.3 | 712.8 | 700.7 | 684.6 | 669.5 | 653.0 | 637.9 |
| 25° | 756.5 | 740.9 | 730.9 | 724.8 | 718.3 | 706.7 | 691.2 | 673.1 | 656.0 | 634.9 | 617.8 |
| 27.5° | 767.6 | 746.5 | 730.9 | 720.8 | 713.8 | 701.7 | 685.6 | 665.0 | 644.4 | 622.3 | 601.7 |
| 30° | 782.1 | 755.5 | 735.4 | 720.8 | 710.3 | 697.2 | 679.6 | 657.5 | 634.9 | 610.2 | 586.6 |
| 32.5° | 798.7 | 766.1 | 741.9 | 721.8 | 704.7 | 688.1 | 670.0 | 646.9 | 623.3 | 597.2 | 574.0 |
| 35° | 811.8 | 774.1 | 746.5 | 719.8 | 697.2 | 676.6 | 655.5 | 633.9 | 610.2 | 585.6 | 561.0 |
| 37.5° | 819.3 | 779.1 | 746.5 | 712.8 | 685.1 | 663.5 | 641.4 | 620.3 | 597.7 | 573.5 | 551.9 |
| 40° | 822.4 | 781.1 | 743.4 | 704.7 | 672.6 | 647.9 | 627.3 | 605.7 | 585.6 | 564.5 | 545.4 |
| 42.5° | 820.8 | 779.6 | 739.4 | 697.2 | 662.5 | 635.9 | 613.2 | 593.1 | 576.6 | 559.0 | 542.9 |
| 45° | 814.8 | 774.6 | 735.4 | 693.7 | 659.0 | 631.8 | 608.7 | 589.6 | 574.0 | 558.0 | 545.4 |
| 47.5° | 809.8 | 772.6 | 737.9 | 702.2 | 669.0 | 641.4 | 616.3 | 595.2 | 582.1 | 569.5 | 561.5 |
| 50° | 813.8 | 778.1 | 743.4 | 709.8 | 677.6 | 649.4 | 623.8 | 604.2 | 596.7 | 594.6 | 592.1 |
| 52.5° | 824.9 | 789.7 | 760.5 | 736.9 | 722.3 | 711.8 | 685.6 | 681.1 | 674.6 | 671.1 | 662.5 |
| 55° | 896.7 | 882.2 | 908.3 | 937.0 | 942.0 | 973.7 | 986.2 | 987.2 | 976.2 | 937.0 | 845.5 |
| 57.5° | 1189.3 | 1225.5 | 1236.5 | 1302.9 | 1321.0 | 1306.9 | 1287.8 | 1286.8 | 1252.6 | 1200.9 | 1067.7 |
| 60° | 1712.1 | 1693.0 | 1669.3 | 1626.1 | 1585.4 | 1541.7 | 1481.3 | 1435.1 | 1391.4 | 1311.9 | 1171.7 |
| 62.5° | 2259.0 | 2092.6 | 1971.4 | 1847.3 | 1746.8 | 1658.8 | 1571.3 | 1496.9 | 1426.1 | 1316.0 | 1165.7 |
| 65° | 2733.5 | 2394.7 | 2148.9 | 1962.4 | 1806.6 | 1677.9 | 1561.8 | 1460.2 | 1370.8 | 1233.0 | 1080.7 |
| 67.5° | 3042.1 | 2555.0 | 2187.6 | 1909.1 | 1688.9 | 1525.1 | 1354.2 | 1193.8 | 1105.9 | 994.8 | 917.4 |
| 70° | 3121.0 | 2441.9 | 1929.2 | 1572.3 | 1275.8 | 1080.2 | 878.7 | 703.7 | 622.8 | 591.6 | 594.1 |
| 72.5° | 2815.4 | 1930.2 | 1367.7 | 1000.3 | 783.1 | 620.8 | 504.7 | 388.1 | 303.1 | 254.3 | 248.3 |
| 75° | 1839.2 | 1074.2 | 649.4 | 452.4 | 359.9 | 286.5 | 225.7 | 190.0 | 163.9 | 132.2 | 110.6 |
| 77.5° | 695.2 | 409.2 | 291.5 | 237.8 | 175.9 | 122.6 | 95.5 | 80.4 | 73.9 | 71.9 | 64.8 |
| 80° | 356.4 | 284.0 | 203.1 | 133.7 | 93.5 | 74.9 | 62.8 | 53.3 | 49.3 | 47.3 | 48.3 |
| 82.5° | 240.3 | 178.9 | 112.1 | 80.4 | 64.8 | 55.8 | 44.2 | 37.2 | 33.2 | 32.7 | 35.2 |
| 85° | 133.7 | 89.5 | 65.3 | 54.3 | 47.8 | 41.7 | 33.7 | 27.6 | 25.6 | 27.1 | 31.7 |
| 87.5° | 41.7 | 41.2 | 29.7 | 24.1 | 25.1 | 21.6 | 16.1 | 12.1 | 12.1 | 15.6 | 22.1 |
| 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: P141314

CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 |
| 2.5° | 860.6 | 861.6 | 863.6 | 862.1 | 862.6 | 863.1 | 864.6 | 866.6 | 865.1 | 864.1 | 867.1 |
| 5° | 848.5 | 848.5 | 851.0 | 850.0 | 852.0 | 854.0 | 855.0 | 858.5 | 857.5 | 856.5 | 860.6 |
| 7.5° | 826.4 | 826.9 | 830.4 | 829.4 | 833.4 | 833.9 | 837.9 | 841.0 | 841.0 | 843.0 | 846.5 |
| 10° | 798.2 | 798.2 | 801.2 | 801.7 | 804.3 | 806.3 | 810.8 | 816.3 | 817.3 | 820.8 | 825.9 |
| 12.5° | 766.6 | 765.6 | 768.1 | 768.1 | 770.1 | 772.6 | 777.6 | 784.2 | 785.2 | 790.7 | 797.2 |
| 15° | 727.4 | 725.8 | 724.8 | 725.8 | 726.8 | 727.4 | 734.9 | 741.4 | 745.4 | 751.5 | 758.0 |
| 17.5° | 689.7 | 684.1 | 681.6 | 681.6 | 682.1 | 682.1 | 685.1 | 692.7 | 698.2 | 707.7 | 717.3 |
| 20° | 656.0 | 646.4 | 642.9 | 634.9 | 633.4 | 629.8 | 632.3 | 640.9 | 650.9 | 658.5 | 666.0 |
| 22.5° | 624.3 | 614.3 | 604.2 | 594.6 | 587.1 | 582.6 | 587.1 | 592.6 | 596.2 | 602.2 | 604.2 |
| 25° | 600.2 | 583.6 | 569.5 | 554.4 | 546.4 | 542.4 | 541.9 | 541.4 | 538.4 | 537.3 | 537.3 |
| 27.5° | 581.1 | 561.5 | 540.4 | 523.8 | 512.7 | 505.2 | 496.6 | 490.6 | 483.1 | 473.0 | 468.0 |
| 30° | 565.0 | 543.9 | 520.8 | 501.2 | 487.1 | 472.5 | 454.9 | 441.3 | 427.8 | 415.7 | 405.1 |
| 32.5° | 550.4 | 528.8 | 506.2 | 485.6 | 461.4 | 436.3 | 414.2 | 398.1 | 374.5 | 358.4 | 344.8 |
| 35° | 539.4 | 517.7 | 496.6 | 469.5 | 436.3 | 404.1 | 375.5 | 351.9 | 327.7 | 306.6 | 288.5 |
| 37.5° | 531.3 | 513.2 | 490.6 | 453.9 | 412.2 | 373.5 | 343.3 | 315.2 | 286.5 | 257.9 | 235.2 |
| 40° | 528.8 | 513.2 | 484.6 | 436.8 | 389.1 | 347.3 | 312.7 | 278.0 | 246.3 | 215.6 | 192.5 |
| 42.5° | 530.3 | 513.7 | 475.0 | 421.7 | 370.0 | 324.7 | 285.5 | 245.3 | 207.6 | 174.9 | 151.8 |
| 45° | 535.8 | 513.7 | 465.0 | 405.1 | 352.4 | 304.1 | 257.4 | 209.6 | 165.9 | 139.7 | 129.7 |
| 47.5° | 552.4 | 517.2 | 456.9 | 393.1 | 336.8 | 281.5 | 225.7 | 171.4 | 134.2 | 123.2 | 123.2 |
| 50° | 578.1 | 527.8 | 455.9 | 384.0 | 319.2 | 255.4 | 186.5 | 135.2 | 118.6 | 118.1 | 121.1 |
| 52.5° | 621.8 | 546.4 | 460.9 | 378.0 | 300.6 | 220.2 | 145.3 | 116.6 | 113.1 | 116.1 | 120.6 |
| 55° | 706.7 | 579.1 | 468.0 | 366.9 | 269.4 | 172.4 | 119.1 | 110.6 | 112.1 | 115.6 | 119.6 |
| 57.5° | 862.1 | 644.9 | 475.5 | 343.3 | 218.2 | 130.7 | 108.1 | 108.6 | 111.1 | 114.6 | 118.1 |
| 60° | 969.1 | 726.3 | 490.6 | 303.6 | 162.4 | 108.1 | 103.5 | 107.6 | 110.6 | 113.1 | 116.1 |
| 62.5° | 978.2 | 756.0 | 501.7 | 258.9 | 120.6 | 98.5 | 99.5 | 105.6 | 109.6 | 110.6 | 112.1 |
| 65° | 923.9 | 717.8 | 470.0 | 213.6 | 100.0 | 93.5 | 97.0 | 102.5 | 106.6 | 107.1 | 108.6 |
| 67.5° | 805.3 | 637.9 | 401.1 | 162.4 | 91.5 | 90.0 | 94.0 | 97.5 | 100.5 | 103.0 | 105.1 |
| 70° | 623.8 | 520.8 | 322.7 | 126.2 | 84.9 | 84.4 | 88.0 | 92.0 | 95.0 | 97.5 | 100.5 |
| 72.5° | 328.7 | 370.0 | 240.3 | 101.0 | 77.9 | 78.4 | 81.9 | 85.5 | 87.5 | 90.0 | 93.0 |
| 75° | 102.0 | 156.8 | 148.3 | 80.9 | 69.4 | 71.4 | 73.4 | 76.4 | 79.9 | 81.4 | 82.9 |
| 77.5° | 60.3 | 63.8 | 77.4 | 63.3 | 60.3 | 61.8 | 64.3 | 66.9 | 69.4 | 71.4 | 72.9 |
| 80° | 48.8 | 49.8 | 50.3 | 50.3 | 50.3 | 52.3 | 54.3 | 57.8 | 59.8 | 60.8 | 61.3 |
| 82.5° | 38.2 | 40.7 | 41.2 | 40.2 | 41.7 | 43.7 | 44.7 | 46.7 | 47.3 | 48.3 | 49.3 |
| 85° | 31.7 | 31.2 | 32.2 | 32.7 | 30.7 | 30.7 | 29.7 | 29.7 | 31.7 | 35.2 | 35.7 |
| 87.5° | 24.6 | 21.6 | 17.6 | 16.6 | 15.6 | 14.6 | 13.6 | 13.6 | 14.1 | 16.1 | 17.6 |
| 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: P141314

CATALOG NUMBER: CEM-F02-LED-E-U-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 865.1 | 865.1 | 865.1 | 865.1 | 865.1 |
| 2.5° | 867.1 | 866.6 | 867.6 | 869.1 | 868.1 |
| 5° | 861.1 | 861.1 | 863.1 | 864.6 | 863.6 |
| 7.5° | 849.0 | 849.5 | 852.5 | 854.5 | 853.5 |
| 10° | 829.9 | 830.9 | 834.4 | 837.4 | 838.9 |
| 12.5° | 801.2 | 804.8 | 809.3 | 812.3 | 812.3 |
| 15° | 765.1 | 770.6 | 775.6 | 780.1 | 777.6 |
| 17.5° | 723.8 | 730.4 | 736.9 | 739.4 | 736.9 |
| 20° | 674.1 | 674.6 | 678.6 | 681.1 | 680.1 |
| 22.5° | 606.2 | 604.2 | 606.2 | 607.2 | 608.7 |
| 25° | 536.8 | 533.3 | 531.3 | 534.3 | 535.8 |
| 27.5° | 466.0 | 460.9 | 462.4 | 458.9 | 454.9 |
| 30° | 397.1 | 392.6 | 387.0 | 385.5 | 388.1 |
| 32.5° | 336.3 | 324.7 | 320.2 | 311.7 | 315.2 |
| 35° | 271.9 | 260.4 | 249.3 | 246.3 | 244.3 |
| 37.5° | 219.2 | 205.1 | 191.5 | 187.0 | 186.0 |
| 40° | 171.4 | 159.8 | 150.8 | 148.3 | 147.3 |
| 42.5° | 139.2 | 134.2 | 132.7 | 132.7 | 133.2 |
| 45° | 127.2 | 127.7 | 129.2 | 130.2 | 130.7 |
| 47.5° | 124.7 | 126.7 | 128.7 | 130.7 | 131.2 |
| 50° | 124.7 | 126.2 | 127.7 | 129.7 | 130.2 |
| 52.5° | 123.7 | 125.2 | 125.7 | 126.7 | 127.7 |
| 55° | 122.6 | 123.2 | 123.2 | 123.7 | 124.7 |
| 57.5° | 120.1 | 120.6 | 119.6 | 120.1 | 122.1 |
| 60° | 117.6 | 118.1 | 117.1 | 118.1 | 118.6 |
| 62.5° | 114.1 | 114.1 | 113.6 | 114.1 | 114.6 |
| 65° | 110.1 | 108.6 | 109.6 | 109.1 | 109.6 |
| 67.5° | 105.1 | 103.0 | 102.5 | 102.5 | 103.0 |
| 70° | 98.0 | 96.5 | 96.0 | 97.0 | 98.0 |
| 72.5° | 89.5 | 90.5 | 92.0 | 93.5 | 96.0 |
| 75° | 83.4 | 84.9 | 87.0 | 92.0 | 95.5 |
| 77.5° | 74.9 | 74.4 | 76.4 | 81.9 | 87.0 |
| 80° | 62.3 | 62.8 | 62.3 | 63.8 | 64.8 |
| 82.5° | 47.8 | 47.3 | 45.7 | 45.7 | 44.7 |
| 85° | 33.7 | 32.2 | 30.2 | 29.7 | 29.2 |
| 87.5° | 17.1 | 18.1 | 16.6 | 15.1 | 15.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)