

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: McGRAW-EDISON

Report Number: P145573

Luminaire Tested: **CNC-F02-LED-E1-GL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145573
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: CNC-F02-LED-E1-GL4-8030
Description: CONCISE LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ GLARE CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4016 lumens
Efficiency: N/A
Efficacy: 73.0 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

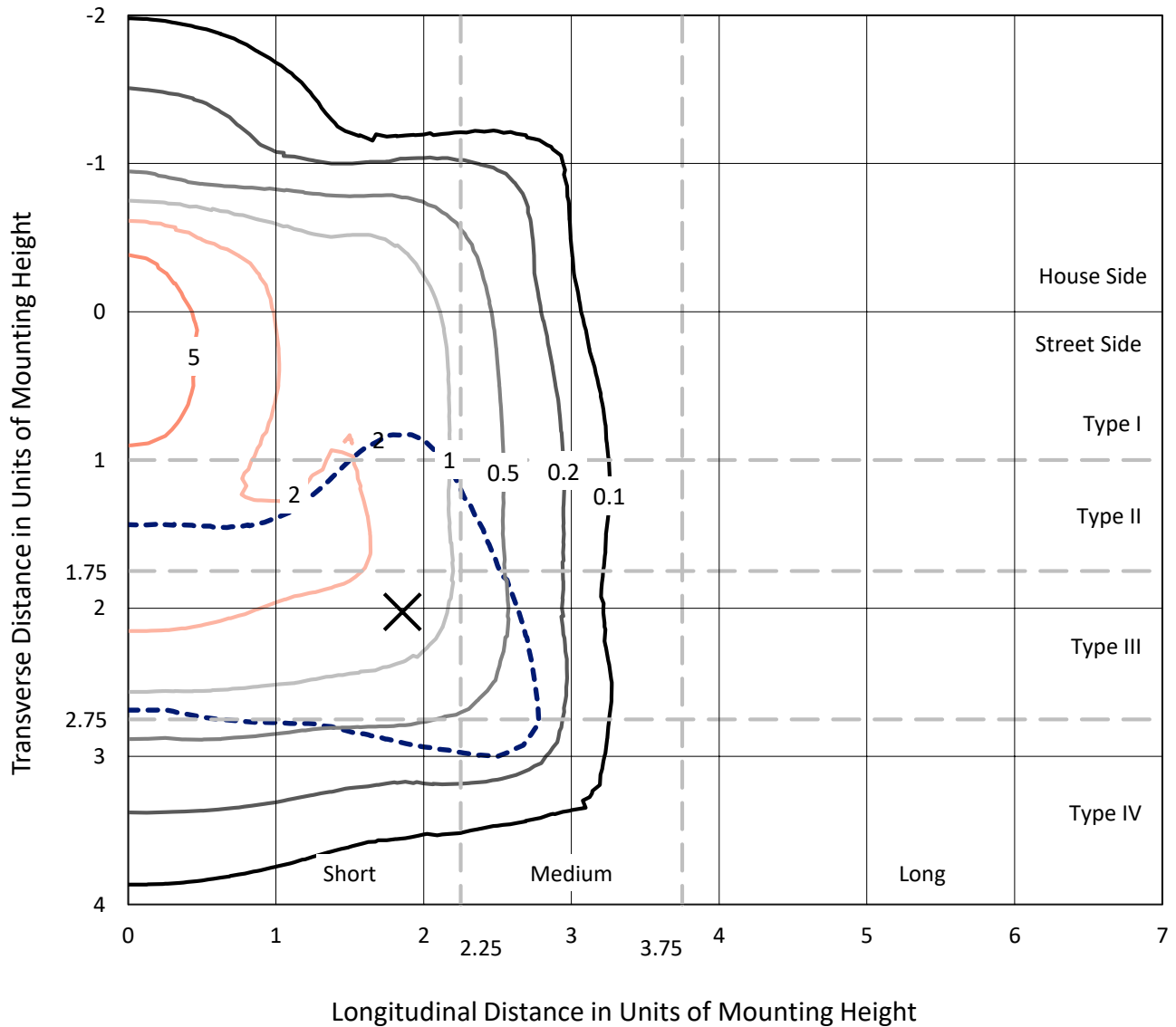
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

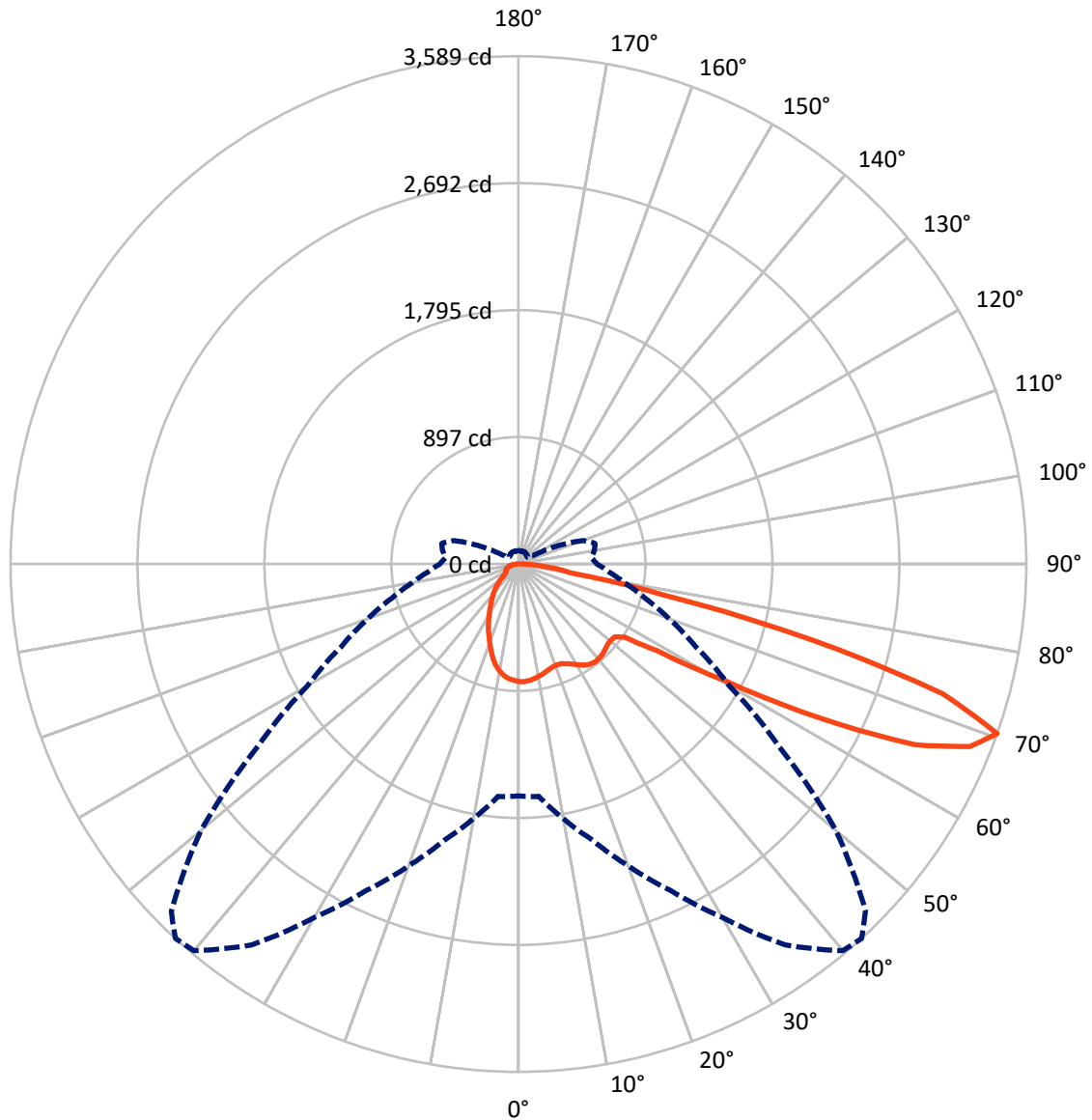
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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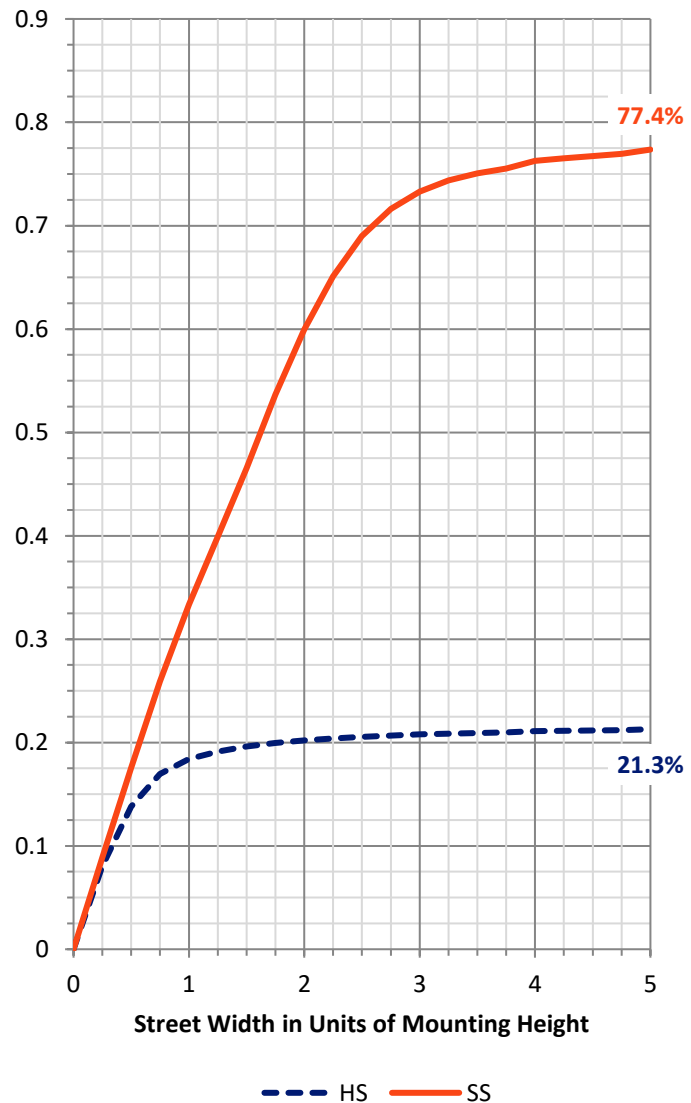
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 867.5 | 0.0 | 867.5 |
| | % Fixture | 21.6 | 0.0 | 21.6 |
| Street Side | Lumens | 3148.5 | 0.0 | 3148.5 |
| | % Fixture | 78.4 | 0.0 | 78.4 |
| Total | Lumens | 4016.0 | 0.0 | 4016.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.3 | 1.9 |
| 10°-20° | 208.2 | 5.2 |
| 20°-30° | 303.6 | 7.6 |
| 30°-40° | 387.3 | 9.6 |
| 40°-50° | 452.0 | 11.3 |
| 50°-60° | 691.3 | 17.2 |
| 60°-70° | 1253.1 | 31.2 |
| 70°-80° | 557.1 | 13.9 |
| 80°-90° | 86.2 | 2.1 |
| 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° | 4016.0 | 100.0 |
| 0°-180° | 4016.0 | 100.0 |



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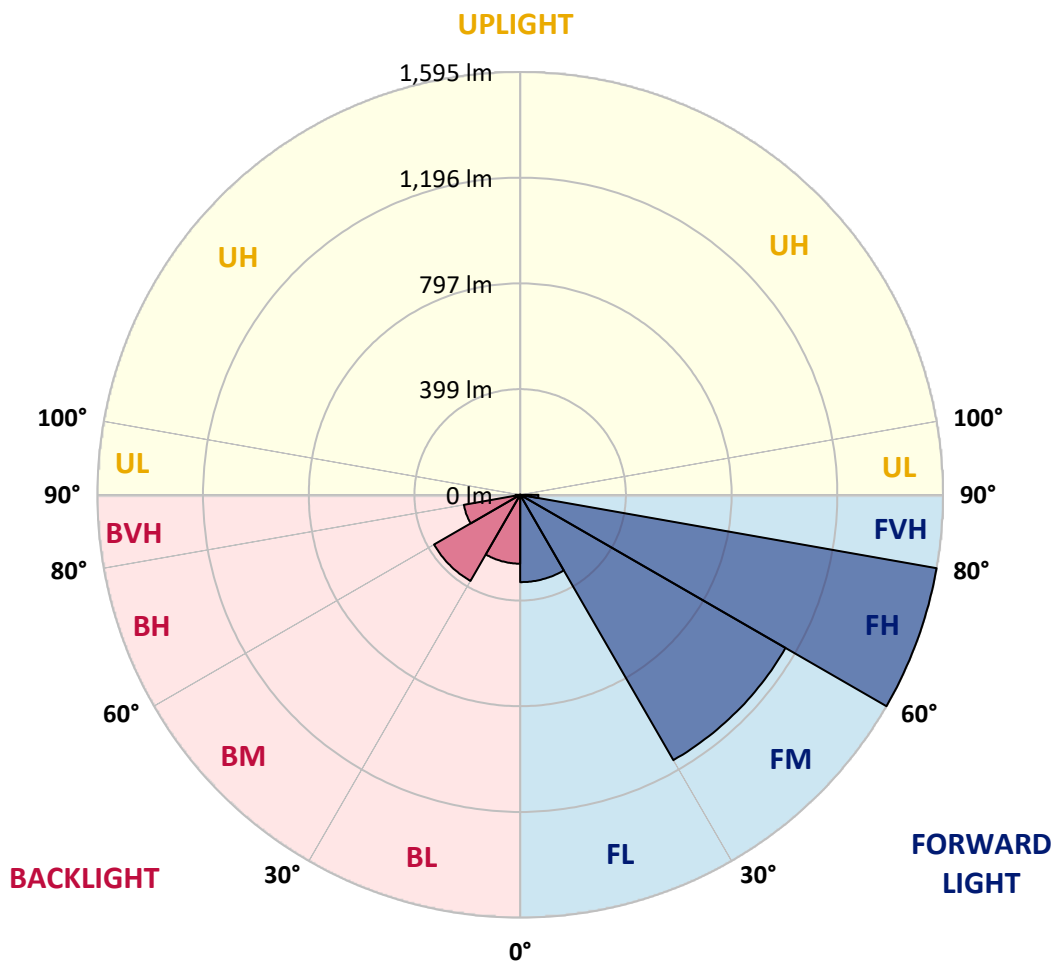
CATALOG NUMBER: CNC-F02-LED-E1-GL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 329.4 | 8.2 | | | |
| FM (30°-60°) | 1155.5 | 28.8 | | | |
| FH (60°-80°) | 1594.7 | 39.7 | | | G1/1800 |
| FVH (80°-90°) | 68.9 | 1.7 | | | G1/100 |
| BL (0°-30°) | 259.7 | 6.5 | B1/500 | | |
| BM (30°-60°) | 375.0 | 9.3 | B1/1000 | | |
| BH (60°-80°) | 215.5 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 17.3 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 42.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 |
| 2.5° | 834.4 | 833.6 | 834.1 | 834.7 | 834.7 | 835.0 | 832.5 | 832.7 | 831.6 | 831.9 | 832.2 |
| 5° | 831.3 | 830.5 | 831.1 | 831.1 | 831.1 | 830.8 | 827.4 | 827.2 | 825.8 | 825.8 | 825.2 |
| 7.5° | 825.5 | 822.4 | 824.1 | 824.4 | 823.8 | 822.4 | 820.5 | 818.5 | 817.7 | 817.7 | 815.7 |
| 10° | 816.6 | 813.2 | 814.1 | 814.6 | 814.3 | 811.6 | 810.7 | 808.8 | 806.5 | 805.7 | 803.5 |
| 12.5° | 805.1 | 802.9 | 804.0 | 803.8 | 803.8 | 801.2 | 799.9 | 797.1 | 794.3 | 792.9 | 790.1 |
| 15° | 797.9 | 795.1 | 796.2 | 796.2 | 795.1 | 792.6 | 790.7 | 785.6 | 780.9 | 779.2 | 775.6 |
| 17.5° | 802.4 | 799.6 | 800.7 | 799.9 | 797.9 | 792.6 | 787.6 | 779.5 | 772.0 | 767.5 | 762.8 |
| 20° | 820.2 | 817.4 | 818.2 | 817.7 | 814.9 | 806.3 | 797.1 | 783.1 | 769.2 | 762.5 | 755.3 |
| 22.5° | 848.6 | 846.4 | 847.8 | 847.0 | 842.5 | 831.3 | 817.7 | 797.6 | 776.7 | 766.7 | 756.4 |
| 25° | 890.7 | 890.1 | 892.4 | 889.9 | 883.5 | 866.7 | 847.0 | 819.9 | 792.6 | 780.1 | 765.6 |
| 27.5° | 941.4 | 936.7 | 940.0 | 937.8 | 933.3 | 912.2 | 885.4 | 851.1 | 816.3 | 799.9 | 782.6 |
| 30° | 987.1 | 983.0 | 989.1 | 988.0 | 981.3 | 959.5 | 925.8 | 885.7 | 846.4 | 825.5 | 805.7 |
| 32.5° | 1040.1 | 1034.8 | 1039.5 | 1039.5 | 1029.5 | 1000.2 | 961.8 | 915.8 | 874.5 | 852.2 | 828.6 |
| 35° | 1095.5 | 1090.0 | 1094.4 | 1093.0 | 1075.2 | 1036.5 | 988.2 | 938.4 | 892.9 | 870.1 | 845.8 |
| 37.5° | 1147.1 | 1146.3 | 1147.4 | 1138.2 | 1113.4 | 1063.8 | 1006.1 | 950.3 | 902.1 | 878.2 | 852.8 |
| 40° | 1198.7 | 1196.7 | 1192.0 | 1175.8 | 1139.6 | 1079.9 | 1015.3 | 954.5 | 902.7 | 877.6 | 852.0 |
| 42.5° | 1231.0 | 1227.4 | 1219.3 | 1197.3 | 1151.8 | 1083.8 | 1012.5 | 948.1 | 896.0 | 870.4 | 845.3 |
| 45° | 1242.1 | 1238.5 | 1228.8 | 1204.0 | 1152.1 | 1077.7 | 1001.6 | 935.3 | 883.5 | 860.1 | 834.7 |
| 47.5° | 1232.9 | 1230.7 | 1221.8 | 1197.0 | 1143.2 | 1066.3 | 988.0 | 922.5 | 871.5 | 848.6 | 824.9 |
| 50° | 1217.3 | 1215.9 | 1208.1 | 1185.3 | 1134.8 | 1059.3 | 981.6 | 916.3 | 868.1 | 847.0 | 824.7 |
| 52.5° | 1256.4 | 1252.2 | 1238.2 | 1211.2 | 1152.4 | 1071.9 | 991.6 | 925.5 | 875.9 | 854.5 | 831.6 |
| 55° | 1736.0 | 1705.1 | 1635.9 | 1506.3 | 1324.9 | 1184.2 | 1065.7 | 986.0 | 932.5 | 911.6 | 889.9 |
| 57.5° | 2283.1 | 2250.7 | 2222.0 | 2123.1 | 1907.7 | 1641.8 | 1402.7 | 1262.8 | 1166.9 | 1157.7 | 1149.1 |
| 60° | 2493.8 | 2504.1 | 2501.6 | 2464.8 | 2354.4 | 2228.2 | 2028.1 | 1862.8 | 1679.7 | 1672.2 | 1683.0 |
| 62.5° | 2639.0 | 2647.6 | 2648.7 | 2637.6 | 2601.6 | 2559.5 | 2517.7 | 2464.8 | 2429.9 | 2414.9 | 2317.6 |
| 65° | 2698.9 | 2711.4 | 2739.0 | 2759.6 | 2765.5 | 2780.0 | 2817.9 | 2962.0 | 3082.1 | 3081.2 | 2967.3 |
| 67.5° | 2470.1 | 2485.1 | 2589.6 | 2692.2 | 2778.3 | 2878.1 | 3031.6 | 3266.0 | 3446.9 | 3441.3 | 3348.0 |
| 70° | 1639.3 | 1648.8 | 1826.3 | 2019.4 | 2270.0 | 2547.0 | 2882.5 | 3286.6 | 3567.0 | 3589.0 | 3468.6 |
| 72.5° | 1005.5 | 1027.3 | 1085.2 | 1163.5 | 1297.3 | 1554.0 | 2052.9 | 2743.5 | 3154.8 | 3134.2 | 3038.3 |
| 75° | 678.9 | 680.0 | 678.3 | 686.7 | 694.2 | 746.1 | 947.0 | 1508.6 | 2137.0 | 2148.2 | 2106.9 |
| 77.5° | 464.0 | 470.2 | 473.5 | 471.3 | 478.8 | 476.6 | 488.3 | 517.0 | 819.1 | 1045.4 | 960.7 |
| 80° | 405.5 | 408.0 | 411.6 | 406.3 | 392.4 | 384.6 | 395.5 | 385.2 | 362.9 | 374.8 | 359.0 |
| 82.5° | 256.7 | 264.2 | 265.0 | 283.4 | 310.7 | 311.9 | 325.8 | 315.5 | 287.1 | 268.4 | 245.5 |
| 85° | 184.5 | 187.3 | 192.3 | 193.4 | 183.9 | 175.9 | 180.9 | 172.2 | 155.2 | 145.2 | 128.5 |
| 87.5° | 107.6 | 110.4 | 115.4 | 112.3 | 102.8 | 91.1 | 82.2 | 70.8 | 56.0 | 52.4 | 46.3 |
| 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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CATALOG NUMBER: CNC-F02-LED-E1-GL4-8030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 |
| 2.5° | 832.5 | 831.1 | 830.0 | 829.4 | 830.5 | 829.4 | 828.3 | 827.7 | 826.6 | 826.9 | 825.5 |
| 5° | 824.7 | 822.7 | 821.0 | 819.6 | 820.8 | 818.8 | 817.1 | 816.0 | 814.6 | 814.3 | 813.0 |
| 7.5° | 813.8 | 810.7 | 808.5 | 806.0 | 803.2 | 801.5 | 799.6 | 797.6 | 794.6 | 794.3 | 793.7 |
| 10° | 799.6 | 797.1 | 792.6 | 788.7 | 784.8 | 780.6 | 776.4 | 773.4 | 769.8 | 768.4 | 766.4 |
| 12.5° | 785.4 | 780.3 | 775.0 | 768.9 | 764.2 | 757.5 | 751.9 | 746.1 | 740.8 | 737.4 | 733.8 |
| 15° | 768.6 | 763.3 | 755.8 | 750.0 | 743.3 | 735.8 | 728.5 | 719.9 | 711.2 | 705.9 | 700.9 |
| 17.5° | 754.1 | 747.5 | 741.3 | 733.0 | 726.3 | 717.6 | 706.8 | 697.6 | 687.3 | 678.6 | 669.4 |
| 20° | 743.0 | 735.5 | 728.2 | 720.7 | 712.6 | 702.9 | 690.9 | 677.8 | 664.7 | 652.4 | 638.8 |
| 22.5° | 738.5 | 726.6 | 718.5 | 711.5 | 703.1 | 692.0 | 678.6 | 662.5 | 646.3 | 630.7 | 614.8 |
| 25° | 742.4 | 724.6 | 712.1 | 704.3 | 696.7 | 685.3 | 670.3 | 651.9 | 632.9 | 613.1 | 594.2 |
| 27.5° | 753.0 | 730.5 | 712.6 | 700.4 | 691.7 | 680.6 | 663.8 | 644.6 | 623.2 | 600.9 | 580.5 |
| 30° | 768.4 | 740.2 | 717.9 | 700.4 | 687.5 | 674.7 | 656.6 | 634.9 | 612.3 | 588.9 | 566.0 |
| 32.5° | 785.1 | 751.1 | 724.3 | 701.2 | 681.4 | 665.2 | 646.3 | 625.1 | 601.1 | 576.3 | 551.8 |
| 35° | 797.6 | 758.9 | 727.1 | 698.1 | 672.8 | 652.4 | 632.1 | 611.5 | 588.0 | 563.0 | 538.4 |
| 37.5° | 802.9 | 761.9 | 726.6 | 691.7 | 660.8 | 638.5 | 617.3 | 596.7 | 574.1 | 550.4 | 527.8 |
| 40° | 803.2 | 761.9 | 723.2 | 683.1 | 648.2 | 624.0 | 601.7 | 582.5 | 561.3 | 540.9 | 520.9 |
| 42.5° | 797.9 | 758.0 | 717.1 | 675.0 | 639.0 | 611.7 | 588.9 | 569.1 | 552.1 | 534.0 | 517.0 |
| 45° | 788.4 | 750.2 | 711.5 | 670.5 | 635.7 | 608.7 | 584.1 | 565.5 | 550.1 | 534.0 | 519.2 |
| 47.5° | 781.2 | 745.8 | 711.8 | 676.9 | 643.8 | 615.9 | 589.4 | 569.7 | 556.6 | 543.7 | 533.1 |
| 50° | 782.6 | 747.5 | 715.1 | 682.0 | 649.4 | 621.2 | 595.6 | 578.6 | 570.8 | 566.6 | 564.1 |
| 52.5° | 789.8 | 754.1 | 729.6 | 707.6 | 697.0 | 679.7 | 665.5 | 652.7 | 654.7 | 644.6 | 631.8 |
| 55° | 864.5 | 852.5 | 880.7 | 901.0 | 911.1 | 928.6 | 954.0 | 929.7 | 926.4 | 895.4 | 803.5 |
| 57.5° | 1160.8 | 1189.2 | 1232.4 | 1263.0 | 1266.1 | 1260.8 | 1239.9 | 1219.8 | 1187.2 | 1140.7 | 1011.9 |
| 60° | 1657.7 | 1651.0 | 1610.9 | 1557.1 | 1515.3 | 1460.4 | 1405.2 | 1358.6 | 1306.2 | 1234.9 | 1097.8 |
| 62.5° | 2180.2 | 2019.1 | 1876.2 | 1754.4 | 1651.0 | 1559.3 | 1476.0 | 1406.0 | 1334.1 | 1231.5 | 1085.5 |
| 65° | 2602.2 | 2292.3 | 2040.3 | 1844.4 | 1690.6 | 1561.0 | 1453.4 | 1357.0 | 1260.8 | 1142.1 | 1000.5 |
| 67.5° | 2903.7 | 2412.1 | 2032.0 | 1756.3 | 1540.6 | 1362.3 | 1205.6 | 1095.8 | 997.2 | 903.8 | 840.0 |
| 70° | 2927.7 | 2246.3 | 1719.0 | 1381.8 | 1132.9 | 923.3 | 760.8 | 641.0 | 555.2 | 516.4 | 544.0 |
| 72.5° | 2501.8 | 1661.9 | 1142.9 | 845.8 | 671.4 | 521.7 | 419.4 | 335.3 | 266.2 | 232.2 | 236.9 |
| 75° | 1473.5 | 797.9 | 514.7 | 383.5 | 313.3 | 250.3 | 216.5 | 182.8 | 161.4 | 129.3 | 103.4 |
| 77.5° | 561.0 | 347.0 | 259.7 | 215.7 | 153.8 | 110.6 | 87.2 | 75.2 | 69.1 | 68.3 | 64.7 |
| 80° | 323.3 | 254.4 | 178.1 | 116.5 | 85.3 | 72.2 | 61.9 | 53.0 | 49.3 | 48.5 | 49.9 |
| 82.5° | 204.3 | 158.6 | 97.8 | 75.0 | 62.1 | 53.5 | 44.6 | 38.7 | 35.7 | 34.6 | 36.5 |
| 85° | 105.6 | 79.4 | 59.6 | 51.3 | 47.7 | 43.5 | 35.7 | 29.8 | 29.5 | 30.9 | 35.7 |
| 87.5° | 39.0 | 34.0 | 26.8 | 23.1 | 24.8 | 23.1 | 16.7 | 14.5 | 13.1 | 17.3 | 25.1 |
| 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: CNC-F02-LED-E1-GL4-8030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 |
| 2.5° | 825.5 | 824.9 | 825.2 | 824.7 | 824.7 | 825.5 | 824.4 | 823.5 | 824.9 | 824.9 | 825.8 |
| 5° | 812.7 | 813.2 | 813.2 | 813.0 | 813.5 | 814.9 | 814.6 | 814.6 | 816.9 | 817.7 | 818.8 |
| 7.5° | 792.3 | 793.2 | 793.4 | 794.3 | 794.6 | 796.5 | 797.9 | 799.6 | 802.9 | 803.8 | 806.3 |
| 10° | 764.7 | 764.2 | 766.1 | 765.9 | 768.4 | 770.0 | 771.1 | 774.8 | 779.8 | 782.6 | 785.1 |
| 12.5° | 732.1 | 732.1 | 733.2 | 733.5 | 735.8 | 738.0 | 739.4 | 743.8 | 748.0 | 751.6 | 757.2 |
| 15° | 697.6 | 696.5 | 693.9 | 693.7 | 694.5 | 696.7 | 699.8 | 703.1 | 709.6 | 714.9 | 719.6 |
| 17.5° | 661.3 | 658.0 | 654.9 | 651.0 | 650.8 | 650.5 | 652.1 | 654.7 | 664.7 | 670.0 | 676.7 |
| 20° | 629.3 | 622.0 | 614.8 | 606.7 | 602.0 | 599.7 | 600.6 | 603.9 | 613.4 | 620.4 | 627.3 |
| 22.5° | 600.6 | 589.7 | 578.3 | 565.5 | 557.7 | 552.9 | 553.5 | 554.9 | 561.8 | 566.0 | 569.7 |
| 25° | 576.1 | 561.0 | 545.1 | 528.7 | 517.8 | 510.6 | 510.3 | 510.3 | 507.2 | 507.8 | 505.8 |
| 27.5° | 559.3 | 538.4 | 518.1 | 498.9 | 484.6 | 477.4 | 467.6 | 460.7 | 454.6 | 446.2 | 442.6 |
| 30° | 543.2 | 521.7 | 498.6 | 477.4 | 460.4 | 446.2 | 428.1 | 413.0 | 401.0 | 389.6 | 379.9 |
| 32.5° | 528.7 | 506.4 | 484.4 | 461.2 | 437.8 | 413.3 | 389.6 | 372.3 | 355.3 | 337.8 | 326.1 |
| 35° | 515.9 | 495.0 | 472.9 | 446.7 | 413.9 | 381.8 | 355.1 | 331.6 | 311.6 | 290.4 | 273.4 |
| 37.5° | 508.6 | 489.7 | 466.8 | 431.1 | 389.9 | 353.4 | 323.6 | 297.4 | 270.6 | 245.3 | 224.3 |
| 40° | 505.0 | 488.3 | 460.4 | 415.3 | 368.4 | 329.4 | 296.3 | 264.8 | 233.3 | 203.4 | 181.7 |
| 42.5° | 504.4 | 488.3 | 450.9 | 399.1 | 350.0 | 308.2 | 271.2 | 233.3 | 195.1 | 166.1 | 146.9 |
| 45° | 509.5 | 487.7 | 440.9 | 384.6 | 333.6 | 289.3 | 244.7 | 200.1 | 160.8 | 135.4 | 124.9 |
| 47.5° | 523.9 | 489.7 | 433.1 | 372.3 | 318.0 | 268.4 | 214.6 | 163.3 | 129.9 | 118.4 | 118.2 |
| 50° | 547.4 | 498.6 | 431.4 | 363.4 | 302.7 | 242.2 | 179.2 | 130.7 | 114.5 | 114.0 | 117.1 |
| 52.5° | 584.4 | 515.3 | 435.6 | 357.3 | 284.3 | 208.2 | 141.9 | 112.9 | 109.8 | 112.9 | 116.8 |
| 55° | 666.1 | 545.1 | 441.2 | 346.4 | 254.4 | 165.0 | 116.8 | 107.0 | 108.4 | 112.0 | 115.7 |
| 57.5° | 814.6 | 607.0 | 447.0 | 321.9 | 206.2 | 126.8 | 105.1 | 104.8 | 107.3 | 110.4 | 113.7 |
| 60° | 908.8 | 683.4 | 461.2 | 285.7 | 155.8 | 104.8 | 100.6 | 103.4 | 106.5 | 108.7 | 111.5 |
| 62.5° | 911.9 | 703.4 | 468.8 | 246.9 | 115.9 | 95.9 | 96.7 | 102.0 | 105.6 | 106.5 | 107.9 |
| 65° | 853.1 | 665.5 | 434.8 | 200.9 | 96.1 | 90.9 | 93.9 | 98.7 | 102.3 | 102.8 | 104.0 |
| 67.5° | 745.2 | 586.9 | 368.4 | 151.6 | 87.5 | 87.0 | 90.3 | 93.9 | 96.4 | 98.7 | 100.3 |
| 70° | 561.3 | 484.4 | 296.3 | 117.6 | 82.2 | 81.7 | 85.0 | 88.1 | 90.3 | 93.1 | 95.9 |
| 72.5° | 284.5 | 335.3 | 224.6 | 96.1 | 75.0 | 75.5 | 79.1 | 81.9 | 83.6 | 86.1 | 88.9 |
| 75° | 97.0 | 146.3 | 142.1 | 77.8 | 66.9 | 69.1 | 70.8 | 73.9 | 76.4 | 78.0 | 79.4 |
| 77.5° | 60.8 | 63.5 | 73.3 | 62.7 | 59.1 | 59.6 | 62.4 | 65.2 | 68.0 | 69.1 | 69.7 |
| 80° | 50.7 | 51.0 | 51.3 | 50.2 | 50.4 | 52.1 | 53.8 | 56.9 | 59.6 | 60.2 | 60.5 |
| 82.5° | 40.1 | 42.9 | 42.6 | 42.4 | 43.8 | 45.4 | 46.5 | 47.7 | 48.8 | 49.3 | 50.2 |
| 85° | 35.4 | 34.8 | 35.1 | 36.0 | 34.8 | 33.7 | 33.4 | 33.4 | 35.1 | 37.1 | 37.9 |
| 87.5° | 32.3 | 27.6 | 20.6 | 19.5 | 19.5 | 19.0 | 17.8 | 17.8 | 19.5 | 21.2 | 22.0 |
| 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: P145573

CATALOG NUMBER: CNC-F02-LED-E1-GL4-8030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 830.5 | 830.5 | 830.5 | 830.5 | 830.5 |
| 2.5° | 825.5 | 825.8 | 825.5 | 825.5 | 826.9 |
| 5° | 819.4 | 820.5 | 819.9 | 820.8 | 821.6 |
| 7.5° | 806.8 | 809.6 | 810.2 | 812.4 | 811.6 |
| 10° | 788.7 | 790.7 | 793.4 | 795.7 | 794.8 |
| 12.5° | 760.0 | 764.7 | 768.9 | 771.4 | 770.9 |
| 15° | 723.5 | 730.2 | 735.8 | 737.7 | 735.5 |
| 17.5° | 684.5 | 688.7 | 695.3 | 696.7 | 699.0 |
| 20° | 635.1 | 634.9 | 640.7 | 640.7 | 639.6 |
| 22.5° | 570.8 | 574.9 | 574.9 | 571.0 | 569.1 |
| 25° | 505.0 | 506.4 | 502.2 | 503.0 | 497.7 |
| 27.5° | 438.9 | 435.3 | 432.0 | 433.4 | 429.5 |
| 30° | 376.0 | 368.2 | 364.8 | 365.4 | 361.2 |
| 32.5° | 315.5 | 306.3 | 302.9 | 298.5 | 294.9 |
| 35° | 260.6 | 246.1 | 237.4 | 235.2 | 237.7 |
| 37.5° | 206.8 | 196.5 | 186.2 | 178.6 | 179.5 |
| 40° | 163.6 | 153.0 | 146.3 | 143.2 | 142.7 |
| 42.5° | 135.2 | 129.0 | 127.6 | 127.9 | 127.9 |
| 45° | 122.6 | 122.9 | 124.0 | 125.1 | 125.4 |
| 47.5° | 120.1 | 121.8 | 123.7 | 125.1 | 125.4 |
| 50° | 119.8 | 121.5 | 122.9 | 124.6 | 125.1 |
| 52.5° | 119.6 | 120.7 | 121.5 | 122.3 | 123.2 |
| 55° | 118.4 | 119.0 | 118.7 | 119.3 | 120.1 |
| 57.5° | 115.7 | 115.9 | 115.4 | 115.7 | 117.3 |
| 60° | 113.1 | 113.4 | 112.3 | 113.7 | 114.0 |
| 62.5° | 110.1 | 109.8 | 109.2 | 110.1 | 110.1 |
| 65° | 105.6 | 104.0 | 104.5 | 105.3 | 105.6 |
| 67.5° | 100.3 | 98.7 | 98.7 | 99.2 | 100.1 |
| 70° | 93.6 | 92.8 | 92.8 | 93.9 | 95.0 |
| 72.5° | 86.1 | 86.7 | 88.3 | 90.0 | 91.7 |
| 75° | 80.0 | 81.4 | 83.1 | 87.2 | 89.7 |
| 77.5° | 72.2 | 72.5 | 73.9 | 78.0 | 82.5 |
| 80° | 61.3 | 61.0 | 61.3 | 61.9 | 62.7 |
| 82.5° | 48.5 | 47.9 | 46.3 | 46.8 | 45.7 |
| 85° | 35.7 | 34.8 | 32.9 | 31.5 | 31.2 |
| 87.5° | 20.6 | 20.6 | 19.8 | 18.7 | 17.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)