

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: INVUE

Report Number: P159949

Luminaire Tested: **ENC-F02-LED-E1-BL4-7050-ULG**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P159949
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENC-F02-LED-E1-BL4-7050-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4741.5 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U3 - G1

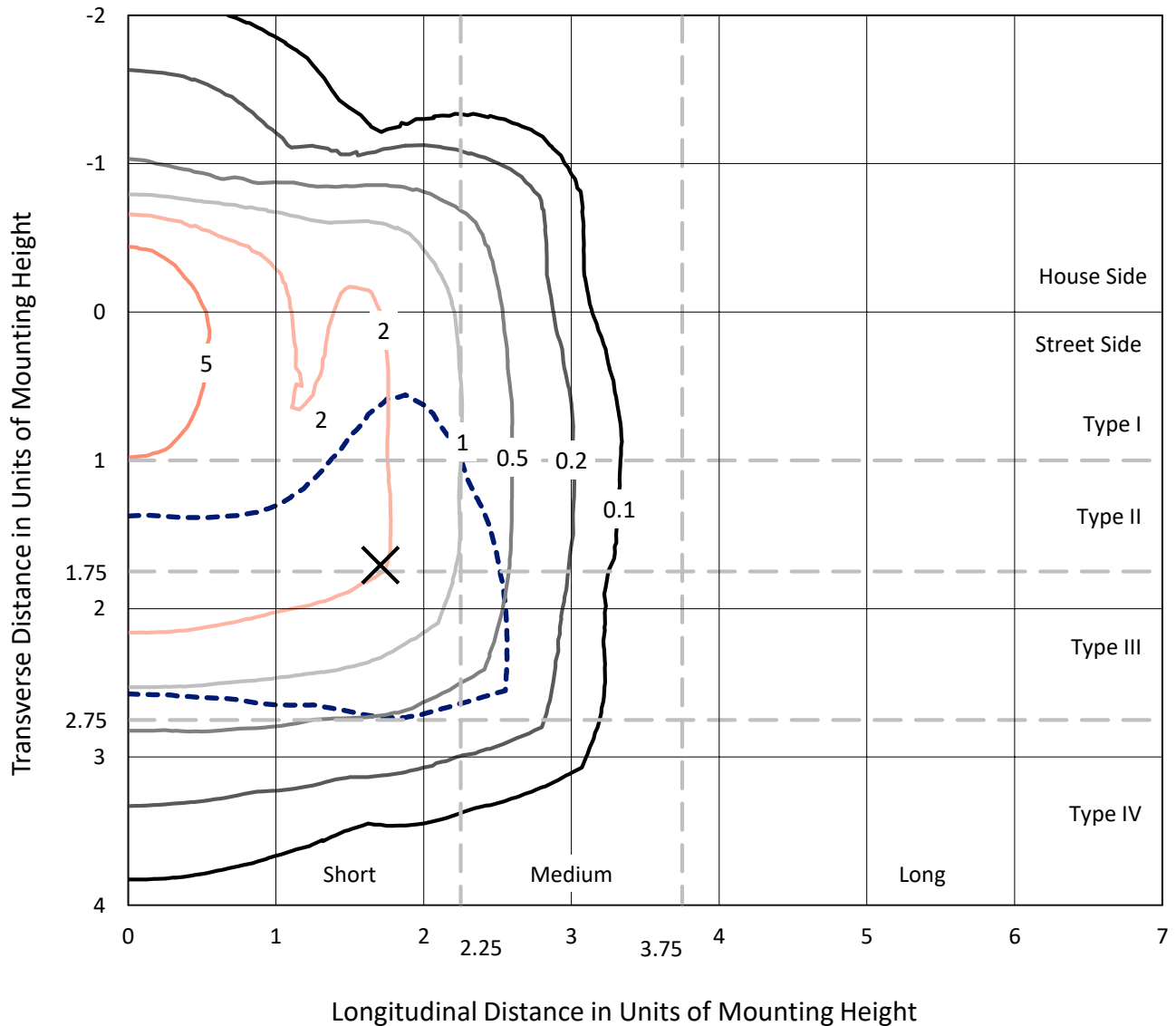
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

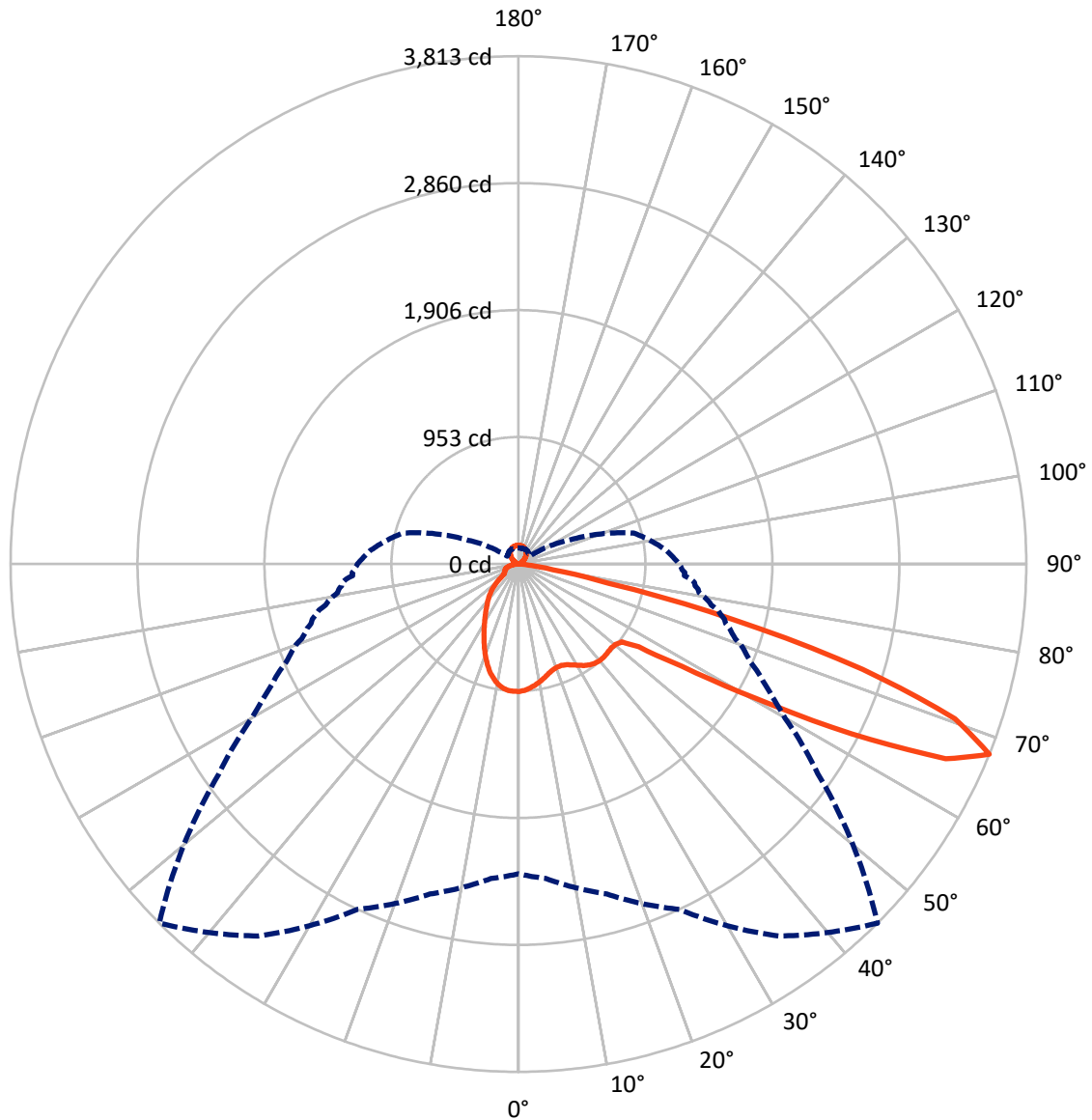
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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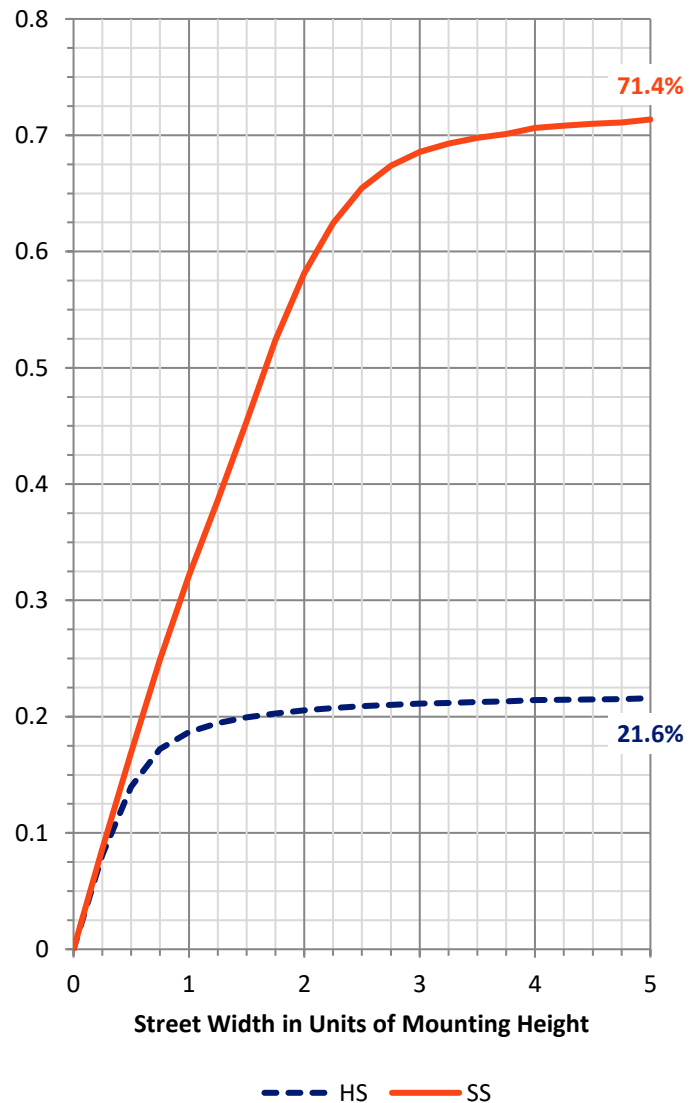
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1037.2 | 157.7 | 1194.9 |
| | % Fixture | 21.9 | 3.3 | 25.2 |
| Street Side | Lumens | 3388.9 | 157.7 | 3546.6 |
| | % Fixture | 71.5 | 3.3 | 74.8 |
| Total | Lumens | 4426.0 | 315.5 | 4741.5 |
| | % Fixture | 93.3 | 6.7 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.8 | 1.9 |
| 10°-20° | 239.2 | 5.0 |
| 20°-30° | 344.7 | 7.3 |
| 30°-40° | 439.8 | 9.3 |
| 40°-50° | 519.1 | 10.9 |
| 50°-60° | 832.5 | 17.6 |
| 60°-70° | 1401.1 | 29.6 |
| 70°-80° | 521.1 | 11.0 |
| 80°-90° | 39.6 | 0.8 |
| 90°-100° | 1.3 | 0.0 |
| 100°-110° | 12.3 | 0.3 |
| 110°-120° | 25.2 | 0.5 |
| 120°-130° | 43.0 | 0.9 |
| 130°-140° | 60.0 | 1.3 |
| 140°-150° | 65.4 | 1.4 |
| 150°-160° | 56.9 | 1.2 |
| 160°-170° | 38.2 | 0.8 |
| 170°-180° | 13.3 | 0.3 |
| 0°-90° | 4426.0 | 93.3 |
| 0°-180° | 4741.5 | 100.0 |



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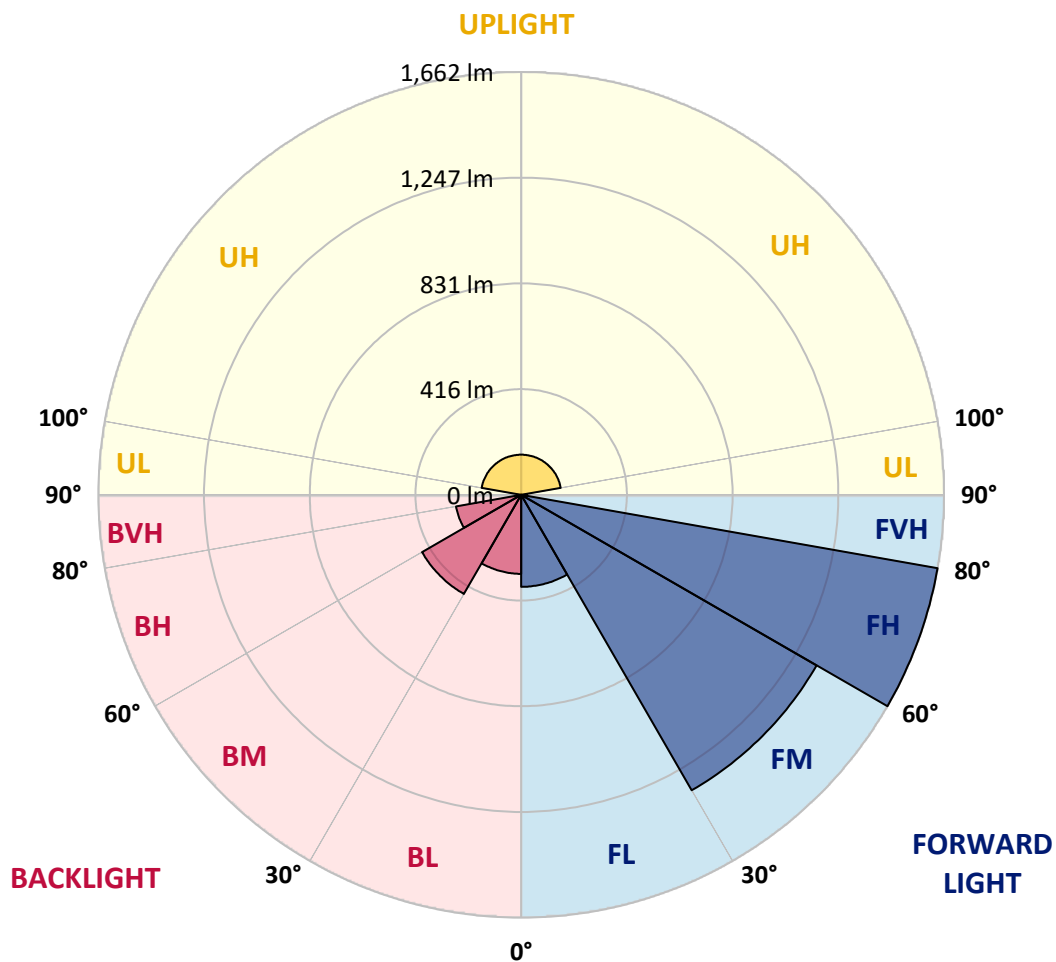
CATALOG NUMBER: ENC-F02-LED-E1-BL4-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 361.8 | 7.6 | | | |
| FM | (30°-60°) | 1341.2 | 28.3 | | | |
| FH | (60°-80°) | 1662.4 | 35.1 | | | G1/1800 |
| FVH | (80°-90°) | 23.5 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 310.9 | 6.6 | B1/500 | | |
| BM | (30°-60°) | 450.2 | 9.5 | B1/1000 | | |
| BH | (60°-80°) | 259.9 | 5.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 16.1 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 1.3 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 157.7 | 3.3 | | U3/500 | |

BUG Rating: B1-U3-G1

Type III Short





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CATALOG NUMBER: ENC-F02-LED-E1-BL4-7050-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 |
| 2.5° | 942.8 | 942.8 | 944.5 | 944.5 | 947.0 | 948.7 | 947.0 | 950.4 | 950.4 | 949.6 | 951.3 |
| 5° | 929.2 | 929.2 | 930.1 | 930.1 | 931.8 | 934.3 | 932.6 | 936.0 | 935.2 | 936.0 | 936.0 |
| 7.5° | 913.1 | 913.1 | 914.8 | 914.0 | 914.8 | 916.5 | 912.3 | 914.8 | 914.8 | 915.7 | 914.8 |
| 10° | 892.8 | 894.5 | 896.2 | 895.4 | 895.4 | 896.2 | 889.4 | 892.0 | 891.1 | 891.1 | 890.3 |
| 12.5° | 874.2 | 872.5 | 874.2 | 875.9 | 875.0 | 875.0 | 868.3 | 866.6 | 866.6 | 866.6 | 867.4 |
| 15° | 854.7 | 856.4 | 858.9 | 856.4 | 854.7 | 851.3 | 844.5 | 842.8 | 842.8 | 842.8 | 843.7 |
| 17.5° | 850.5 | 850.5 | 852.2 | 849.6 | 842.8 | 836.1 | 822.5 | 820.0 | 820.0 | 819.1 | 819.1 |
| 20° | 862.3 | 861.5 | 864.0 | 858.9 | 843.7 | 825.9 | 804.7 | 800.5 | 800.5 | 800.5 | 799.6 |
| 22.5° | 886.9 | 886.9 | 891.1 | 885.2 | 860.6 | 826.7 | 795.4 | 788.6 | 787.8 | 786.9 | 785.2 |
| 25° | 934.3 | 933.5 | 936.0 | 920.8 | 885.2 | 837.8 | 792.9 | 782.7 | 781.9 | 780.2 | 778.5 |
| 27.5° | 989.4 | 991.1 | 996.2 | 973.3 | 920.8 | 857.2 | 803.9 | 786.9 | 785.2 | 782.7 | 779.3 |
| 30° | 1043.6 | 1048.7 | 1058.0 | 1033.4 | 961.4 | 881.8 | 820.8 | 801.3 | 797.9 | 794.6 | 788.6 |
| 32.5° | 1112.2 | 1110.5 | 1125.8 | 1088.5 | 997.0 | 908.1 | 838.6 | 814.9 | 810.7 | 805.6 | 797.9 |
| 35° | 1185.1 | 1188.4 | 1191.8 | 1131.7 | 1026.7 | 929.2 | 849.6 | 822.5 | 817.4 | 812.3 | 801.3 |
| 37.5° | 1257.9 | 1258.8 | 1251.1 | 1166.4 | 1044.4 | 941.9 | 855.5 | 824.2 | 817.4 | 809.8 | 797.1 |
| 40° | 1324.8 | 1322.3 | 1299.4 | 1192.7 | 1054.6 | 948.7 | 858.1 | 820.8 | 812.3 | 804.7 | 790.3 |
| 42.5° | 1362.9 | 1360.4 | 1331.6 | 1204.5 | 1055.5 | 947.9 | 858.1 | 817.4 | 808.1 | 798.8 | 782.7 |
| 45° | 1379.0 | 1377.3 | 1344.3 | 1206.2 | 1049.5 | 942.8 | 853.0 | 814.0 | 804.7 | 796.3 | 779.3 |
| 47.5° | 1380.7 | 1380.7 | 1346.9 | 1203.7 | 1044.4 | 939.4 | 853.0 | 818.3 | 810.7 | 803.9 | 791.2 |
| 50° | 1373.1 | 1374.0 | 1347.7 | 1210.5 | 1048.7 | 947.0 | 861.5 | 828.4 | 820.8 | 814.0 | 799.6 |
| 52.5° | 1462.9 | 1454.4 | 1396.0 | 1241.0 | 1076.6 | 971.6 | 890.3 | 860.6 | 858.1 | 853.9 | 842.8 |
| 55° | 2149.0 | 2155.8 | 1836.5 | 1431.6 | 1194.4 | 1097.8 | 1063.9 | 1058.0 | 1076.6 | 1083.4 | 1083.4 |
| 57.5° | 2728.4 | 2706.4 | 2586.1 | 2088.9 | 1562.0 | 1446.0 | 1459.5 | 1473.9 | 1501.0 | 1512.9 | 1521.3 |
| 60° | 2869.9 | 2871.6 | 2868.2 | 2726.7 | 2305.7 | 2041.5 | 1975.4 | 1912.7 | 1910.2 | 1888.1 | 1871.2 |
| 62.5° | 2853.0 | 2866.5 | 2930.0 | 2962.2 | 3003.7 | 2809.7 | 2406.5 | 2232.9 | 2199.0 | 2157.5 | 2098.2 |
| 65° | 2730.1 | 2750.5 | 2852.1 | 3008.8 | 3366.3 | 3525.5 | 2697.1 | 2386.2 | 2333.7 | 2283.7 | 2183.8 |
| 67.5° | 2326.1 | 2370.1 | 2564.9 | 2860.6 | 3409.5 | 3812.7 | 2744.5 | 2311.7 | 2242.2 | 2177.0 | 2058.4 |
| 70° | 1435.8 | 1458.7 | 1759.4 | 2308.3 | 3089.3 | 3476.4 | 2492.1 | 1961.8 | 1873.7 | 1790.7 | 1628.9 |
| 72.5° | 926.7 | 919.1 | 969.9 | 1300.3 | 2270.2 | 2701.3 | 1713.6 | 1304.5 | 1232.5 | 1166.4 | 1062.2 |
| 75° | 648.9 | 649.7 | 626.8 | 620.1 | 1052.9 | 1673.0 | 775.9 | 557.4 | 525.2 | 511.6 | 489.6 |
| 77.5° | 422.7 | 427.8 | 421.8 | 437.9 | 421.8 | 695.4 | 356.6 | 261.7 | 249.0 | 240.6 | 227.0 |
| 80° | 255.0 | 271.9 | 277.0 | 280.4 | 284.6 | 262.6 | 211.8 | 154.2 | 138.9 | 124.5 | 102.5 |
| 82.5° | 44.9 | 44.0 | 61.0 | 82.2 | 107.6 | 122.8 | 88.9 | 55.9 | 52.5 | 50.8 | 46.6 |
| 85° | 0.0 | 0.0 | 0.8 | 0.8 | 1.7 | 5.9 | 9.3 | 11.0 | 10.2 | 11.0 | 11.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



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CATALOG NUMBER: ENC-F02-LED-E1-BL4-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



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CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 |
| 2.5° | 951.3 | 950.4 | 949.6 | 949.6 | 951.3 | 951.3 | 950.4 | 950.4 | 951.3 | 950.4 | 952.1 |
| 5° | 936.9 | 936.0 | 936.0 | 935.2 | 936.0 | 936.9 | 936.0 | 936.0 | 936.9 | 936.0 | 937.7 |
| 7.5° | 914.0 | 914.8 | 914.0 | 914.0 | 914.8 | 915.7 | 914.8 | 914.8 | 914.8 | 914.8 | 914.0 |
| 10° | 890.3 | 890.3 | 889.4 | 889.4 | 891.1 | 890.3 | 889.4 | 889.4 | 890.3 | 891.1 | 889.4 |
| 12.5° | 866.6 | 868.3 | 868.3 | 864.9 | 865.7 | 866.6 | 866.6 | 865.7 | 865.7 | 868.3 | 865.7 |
| 15° | 842.8 | 843.7 | 842.8 | 843.7 | 842.0 | 841.1 | 842.0 | 842.0 | 840.3 | 839.5 | 839.5 |
| 17.5° | 819.1 | 818.3 | 818.3 | 816.6 | 815.7 | 815.7 | 814.9 | 815.7 | 814.0 | 814.9 | 812.3 |
| 20° | 797.9 | 797.1 | 796.3 | 796.3 | 793.7 | 793.7 | 793.7 | 792.9 | 791.2 | 791.2 | 790.3 |
| 22.5° | 785.2 | 784.4 | 783.5 | 781.9 | 781.0 | 780.2 | 780.2 | 779.3 | 777.6 | 776.8 | 775.9 |
| 25° | 778.5 | 777.6 | 775.9 | 774.2 | 773.4 | 772.5 | 772.5 | 771.7 | 770.0 | 768.3 | 767.5 |
| 27.5° | 779.3 | 777.6 | 775.9 | 774.2 | 773.4 | 771.7 | 770.8 | 770.0 | 768.3 | 766.6 | 764.9 |
| 30° | 786.9 | 783.5 | 780.2 | 777.6 | 775.1 | 772.5 | 770.8 | 770.0 | 767.5 | 764.9 | 762.4 |
| 32.5° | 794.6 | 790.3 | 785.2 | 780.2 | 775.9 | 771.7 | 769.1 | 766.6 | 763.2 | 759.0 | 756.4 |
| 35° | 797.1 | 792.0 | 784.4 | 780.2 | 774.2 | 769.1 | 764.9 | 761.5 | 755.6 | 750.5 | 746.3 |
| 37.5° | 791.2 | 785.2 | 777.6 | 771.7 | 765.8 | 759.0 | 753.9 | 748.8 | 744.6 | 738.6 | 734.4 |
| 40° | 781.9 | 775.1 | 767.5 | 759.0 | 753.1 | 746.3 | 741.2 | 737.0 | 731.0 | 725.9 | 722.6 |
| 42.5° | 774.2 | 766.6 | 758.1 | 751.4 | 744.6 | 737.8 | 731.9 | 727.6 | 721.7 | 715.8 | 711.5 |
| 45° | 771.7 | 764.1 | 757.3 | 748.8 | 742.0 | 737.0 | 731.9 | 725.9 | 720.9 | 715.8 | 710.7 |
| 47.5° | 785.2 | 778.5 | 771.7 | 764.9 | 759.0 | 753.1 | 748.0 | 742.0 | 736.1 | 729.3 | 724.2 |
| 50° | 792.9 | 785.2 | 779.3 | 771.7 | 764.9 | 759.0 | 753.9 | 748.0 | 743.7 | 737.0 | 731.9 |
| 52.5° | 847.9 | 837.8 | 839.5 | 832.7 | 832.7 | 825.9 | 831.0 | 823.4 | 827.6 | 822.5 | 830.1 |
| 55° | 1080.9 | 1084.3 | 1105.4 | 1108.8 | 1117.3 | 1116.4 | 1121.5 | 1143.6 | 1135.1 | 1124.1 | 1127.5 |
| 57.5° | 1498.5 | 1506.1 | 1517.1 | 1506.9 | 1514.6 | 1516.3 | 1530.7 | 1524.7 | 1519.7 | 1516.3 | 1505.3 |
| 60° | 1861.0 | 1850.9 | 1834.8 | 1815.3 | 1807.7 | 1799.2 | 1784.8 | 1784.8 | 1766.2 | 1760.2 | 1745.8 |
| 62.5° | 2073.6 | 2044.0 | 2023.7 | 1992.3 | 1970.3 | 1955.1 | 1929.6 | 1910.2 | 1884.7 | 1865.3 | 1842.4 |
| 65° | 2143.1 | 2093.1 | 2057.5 | 2018.6 | 1983.9 | 1950.8 | 1914.4 | 1886.4 | 1855.1 | 1833.9 | 1797.5 |
| 67.5° | 2008.4 | 1957.6 | 1897.4 | 1855.9 | 1819.5 | 1778.0 | 1721.3 | 1686.5 | 1659.4 | 1618.8 | 1601.0 |
| 70° | 1563.7 | 1510.3 | 1434.9 | 1414.6 | 1358.7 | 1294.3 | 1236.7 | 1202.0 | 1162.2 | 1134.2 | 1104.6 |
| 72.5° | 991.9 | 931.8 | 898.7 | 874.2 | 837.8 | 784.4 | 734.4 | 714.1 | 679.4 | 671.7 | 652.2 |
| 75° | 465.9 | 425.2 | 416.8 | 410.8 | 371.0 | 363.4 | 348.1 | 341.4 | 325.3 | 316.8 | 313.4 |
| 77.5° | 208.4 | 199.1 | 183.8 | 179.6 | 166.9 | 154.2 | 138.9 | 132.1 | 123.7 | 118.6 | 111.8 |
| 80° | 94.9 | 85.6 | 79.6 | 75.4 | 73.7 | 69.5 | 66.1 | 63.5 | 61.0 | 61.0 | 56.8 |
| 82.5° | 45.7 | 44.0 | 42.4 | 42.4 | 39.8 | 39.8 | 37.3 | 36.4 | 35.6 | 34.7 | 34.7 |
| 85° | 12.7 | 12.7 | 12.7 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 14.4 | 14.4 |
| 87.5° | 1.7 | 1.7 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



REPORT NUMBER: P159949

CATALOG NUMBER: ENC-F02-LED-E1-BL4-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



REPORT NUMBER: P159949

CATALOG NUMBER: ENC-F02-LED-E1-BL4-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 | 956.3 |
| 2.5° | 951.3 | 951.3 | 951.3 | 953.0 | 952.1 | 954.7 | 954.7 | 954.7 | 956.3 | 957.2 | 956.3 |
| 5° | 937.7 | 937.7 | 937.7 | 938.6 | 938.6 | 940.3 | 940.3 | 941.9 | 941.9 | 942.8 | 942.8 |
| 7.5° | 915.7 | 916.5 | 916.5 | 918.2 | 917.4 | 918.2 | 918.2 | 920.8 | 920.8 | 921.6 | 921.6 |
| 10° | 890.3 | 891.1 | 891.1 | 891.1 | 892.0 | 892.8 | 892.8 | 894.5 | 895.4 | 895.4 | 897.1 |
| 12.5° | 866.6 | 865.7 | 866.6 | 865.7 | 868.3 | 868.3 | 869.1 | 868.3 | 869.1 | 869.9 | 870.8 |
| 15° | 840.3 | 840.3 | 839.5 | 840.3 | 840.3 | 839.5 | 838.6 | 839.5 | 841.1 | 841.1 | 841.1 |
| 17.5° | 814.0 | 811.5 | 811.5 | 811.5 | 810.7 | 809.0 | 810.7 | 809.8 | 809.8 | 810.7 | 809.8 |
| 20° | 789.5 | 788.6 | 787.8 | 786.9 | 786.1 | 783.5 | 783.5 | 783.5 | 782.7 | 782.7 | 782.7 |
| 22.5° | 774.2 | 773.4 | 772.5 | 771.7 | 768.3 | 766.6 | 765.8 | 764.9 | 763.2 | 762.4 | 761.5 |
| 25° | 765.8 | 764.1 | 762.4 | 760.7 | 758.1 | 755.6 | 753.1 | 752.2 | 750.5 | 748.8 | 746.3 |
| 27.5° | 763.2 | 761.5 | 758.1 | 756.4 | 753.1 | 750.5 | 748.0 | 745.4 | 742.9 | 740.3 | 737.8 |
| 30° | 759.0 | 756.4 | 753.1 | 750.5 | 748.0 | 743.7 | 740.3 | 737.8 | 733.6 | 731.0 | 727.6 |
| 32.5° | 753.1 | 749.7 | 746.3 | 742.9 | 739.5 | 735.3 | 731.0 | 727.6 | 724.2 | 720.9 | 716.6 |
| 35° | 742.9 | 738.6 | 733.6 | 730.2 | 725.9 | 721.7 | 718.3 | 712.4 | 709.8 | 705.6 | 701.4 |
| 37.5° | 729.3 | 725.1 | 720.9 | 716.6 | 711.5 | 708.2 | 703.1 | 698.0 | 695.4 | 692.9 | 687.0 |
| 40° | 717.5 | 712.4 | 708.2 | 704.8 | 698.8 | 696.3 | 691.2 | 686.1 | 682.7 | 680.2 | 675.1 |
| 42.5° | 706.5 | 701.4 | 697.1 | 692.1 | 687.8 | 684.4 | 680.2 | 675.1 | 671.7 | 670.0 | 665.8 |
| 45° | 706.5 | 700.5 | 695.4 | 691.2 | 687.0 | 682.7 | 679.4 | 674.3 | 671.7 | 668.3 | 665.8 |
| 47.5° | 718.3 | 711.5 | 705.6 | 699.7 | 693.8 | 689.5 | 684.4 | 679.4 | 675.1 | 672.6 | 669.2 |
| 50° | 726.8 | 720.0 | 716.6 | 709.8 | 706.5 | 700.5 | 694.6 | 692.1 | 687.8 | 685.3 | 684.4 |
| 52.5° | 830.1 | 825.9 | 826.7 | 809.8 | 806.4 | 814.9 | 801.3 | 813.2 | 809.8 | 799.6 | 799.6 |
| 55° | 1146.9 | 1145.2 | 1152.9 | 1131.7 | 1122.4 | 1139.3 | 1146.1 | 1121.5 | 1127.5 | 1127.5 | 1125.8 |
| 57.5° | 1516.3 | 1505.3 | 1494.2 | 1496.8 | 1483.2 | 1493.4 | 1480.7 | 1465.4 | 1471.4 | 1466.3 | 1448.5 |
| 60° | 1736.5 | 1729.7 | 1713.6 | 1698.4 | 1684.0 | 1670.4 | 1658.6 | 1645.0 | 1638.2 | 1626.4 | 1613.7 |
| 62.5° | 1825.4 | 1807.7 | 1788.2 | 1767.8 | 1745.0 | 1723.0 | 1709.4 | 1691.6 | 1673.0 | 1661.1 | 1647.6 |
| 65° | 1778.0 | 1751.8 | 1730.6 | 1700.9 | 1676.4 | 1649.3 | 1631.5 | 1611.1 | 1594.2 | 1573.9 | 1556.9 |
| 67.5° | 1566.2 | 1535.7 | 1479.8 | 1452.7 | 1416.3 | 1374.0 | 1362.1 | 1337.5 | 1328.2 | 1297.7 | 1247.7 |
| 70° | 1066.5 | 1036.0 | 1002.1 | 947.0 | 911.5 | 875.0 | 835.2 | 806.4 | 802.2 | 777.6 | 741.2 |
| 72.5° | 626.8 | 605.7 | 583.6 | 552.3 | 526.0 | 511.6 | 483.7 | 454.9 | 454.0 | 426.1 | 411.7 |
| 75° | 296.5 | 285.5 | 263.4 | 255.8 | 232.1 | 230.4 | 212.6 | 209.2 | 212.6 | 204.1 | 202.5 |
| 77.5° | 100.8 | 98.3 | 93.2 | 86.4 | 81.3 | 79.6 | 75.4 | 72.8 | 71.2 | 69.5 | 67.8 |
| 80° | 55.1 | 53.4 | 52.5 | 50.0 | 48.3 | 47.4 | 44.9 | 44.0 | 43.2 | 42.4 | 41.5 |
| 82.5° | 33.0 | 33.9 | 32.2 | 30.5 | 30.5 | 28.8 | 28.0 | 27.1 | 26.3 | 26.3 | 26.3 |
| 85° | 13.6 | 14.4 | 13.6 | 12.7 | 11.9 | 12.7 | 12.7 | 11.9 | 11.0 | 11.9 | 11.9 |
| 87.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 0° |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 2.5° |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 5° |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 7.5° |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 10° |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 12.5° |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 15° |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 17.5° |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 20° |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 22.5° |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 25° |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 27.5° |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 30° |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5° |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35° |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5° |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40° |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5° |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45° |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5° |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50° |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5° |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55° |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5° |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60° |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5° |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65° |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
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| | | | | | | | | | | | | 82.5° |
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| | | | | | | | | | | | | 92.5° |
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| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

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 ENC-F02-LED-E1-BL4-7050-ULG

REPORT NUMBER: P159949
 CATALOG NUMBER: ENC-F02-I

TION (continued):

CANDELA DISTRIBUTION (con

| 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | | 165° | 175° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 0° | 956.3 | 956.3 |
| 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 2.5° | 958.0 | 956.3 |
| 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 5° | 960.6 | 958.9 |
| 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 7.5° | 953.8 | 954.7 |
| 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 10° | 939.4 | 941.9 |
| 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 12.5° | 916.5 | 921.6 |
| 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 15° | 878.4 | 886.0 |
| 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 17.5° | 827.6 | 836.9 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 20° | 764.1 | 768.3 |
| 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 22.5° | 686.1 | 687.8 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 25° | 604.0 | 604.0 |
| 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 27.5° | 527.7 | 523.5 |
| 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 30° | 454.9 | 443.9 |
| 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 32.5° | 377.8 | 359.2 |
| 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 35° | 299.9 | 284.6 |
| 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 37.5° | 232.9 | 216.0 |
| 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 40° | 178.7 | 166.0 |
| 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 42.5° | 150.8 | 148.2 |
| 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 45° | 144.0 | 147.4 |
| 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 47.5° | 144.8 | 149.1 |
| 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 50° | 145.7 | 149.9 |
| 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 52.5° | 145.7 | 148.2 |
| 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 55° | 144.0 | 144.0 |
| 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 57.5° | 140.6 | 139.8 |
| 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 60° | 138.1 | 138.1 |
| 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 62.5° | 133.8 | 133.8 |
| 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 65° | 127.1 | 127.9 |
| 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 67.5° | 120.3 | 120.3 |
| | | | | | | | | | | 70° | 111.8 | 111.8 |
| | | | | | | | | | | 72.5° | 103.3 | 106.7 |
| | | | | | | | | | | 75° | 97.4 | 103.3 |
| | | | | | | | | | | 77.5° | 85.6 | 91.5 |
| | | | | | | | | | | 80° | 70.3 | 71.2 |
| | | | | | | | | | | 82.5° | 55.9 | 54.2 |
| | | | | | | | | | | 85° | 39.8 | 37.3 |
| | | | | | | | | | | 87.5° | 21.2 | 20.3 |
| | | | | | | | | | | 90° | 0.1 | 0.1 |
| | | | | | | | | | | 92.5° | 0.1 | 0.1 |
| | | | | | | | | | | 95° | 0.5 | 0.5 |
| | | | | | | | | | | 97.5° | 1.5 | 1.5 |
| | | | | | | | | | | 100° | 5.0 | 5.0 |
| | | | | | | | | | | 102.5° | 8.8 | 8.8 |
| | | | | | | | | | | 105° | 11.8 | 11.8 |
| | | | | | | | | | | 107.5° | 14.7 | 14.7 |
| | | | | | | | | | | 110° | 17.8 | 17.8 |



REPORT NUMBER: P159949

CATALOG NUMBER: ENC-F02-LED-E1-BL

LED-E1-BL4-7050-ULG

tinued):

| |
|--------------|
| 180° |
| 956.3 |
| 955.5 |
| 958.0 |
| 953.8 |
| 942.8 |
| 925.0 |
| 884.3 |
| 836.9 |
| 765.8 |
| 685.3 |
| 600.6 |
| 521.0 |
| 440.5 |
| 359.2 |
| 280.4 |
| 210.9 |
| 165.2 |
| 149.1 |
| 147.4 |
| 149.9 |
| 150.8 |
| 148.2 |
| 144.0 |
| 141.5 |
| 138.1 |
| 133.8 |
| 127.9 |
| 120.3 |
| 113.5 |
| 108.4 |
| 105.9 |
| 94.9 |
| 71.2 |
| 51.7 |
| 37.3 |
| 21.2 |
| 0.1 |
| 0.1 |
| 0.5 |
| 1.5 |
| 5.0 |
| 8.8 |
| 11.8 |
| 14.7 |
| 17.8 |

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|--------|-------|-------|-------|
| 112.5° | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 |

(END OF F

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

