

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: P228397

Luminaire Tested: **ISC-AF-1200-LED-E1-SL4-7060-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29763)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISC-AF-1200-LED-E1-SL4-7060-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 5700K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7244.2 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G2

Input Watts (W): 82.7
Input Voltage (V): 120
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

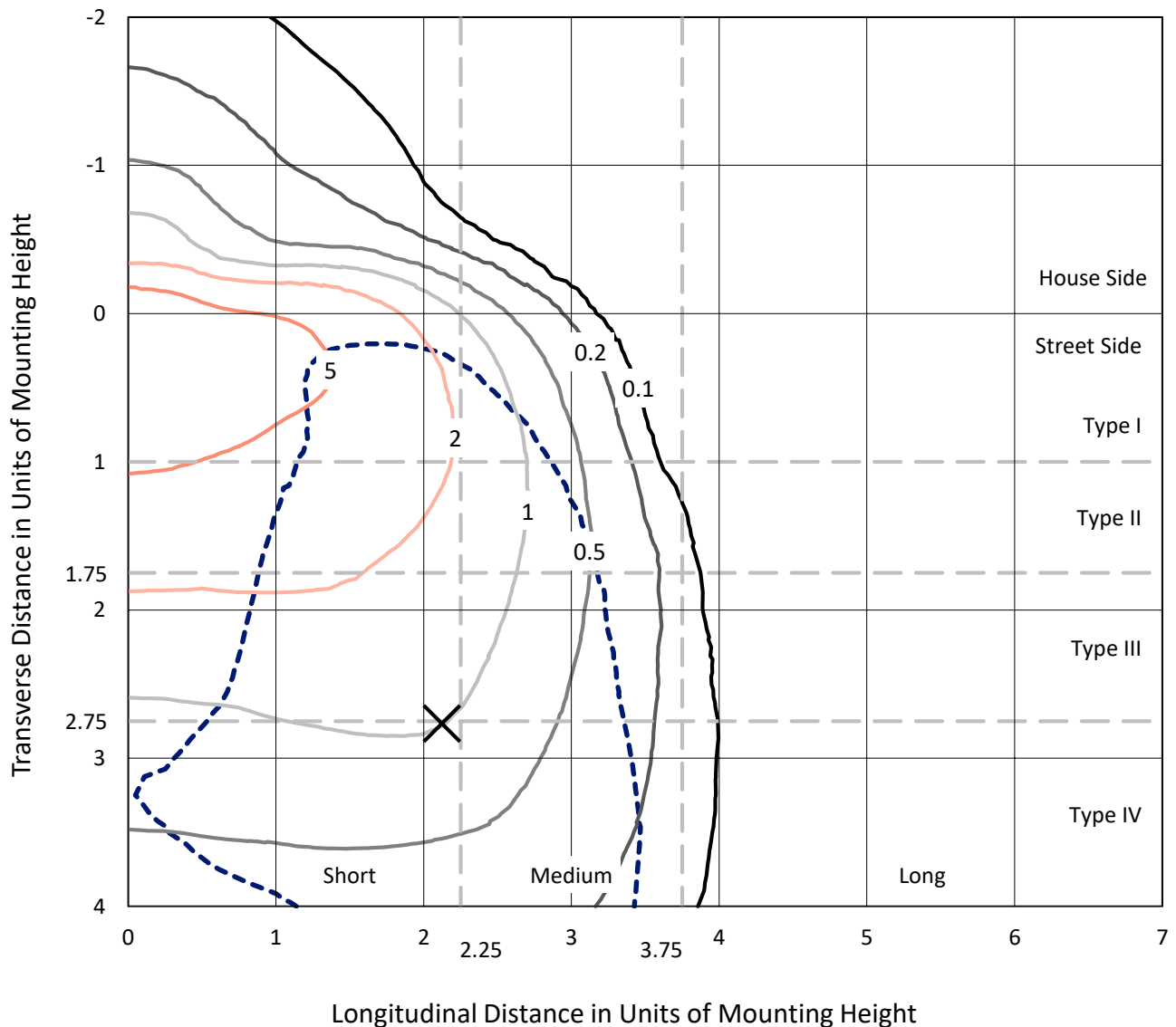


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Iso-Footcandle Lines of Horizontal Illumination

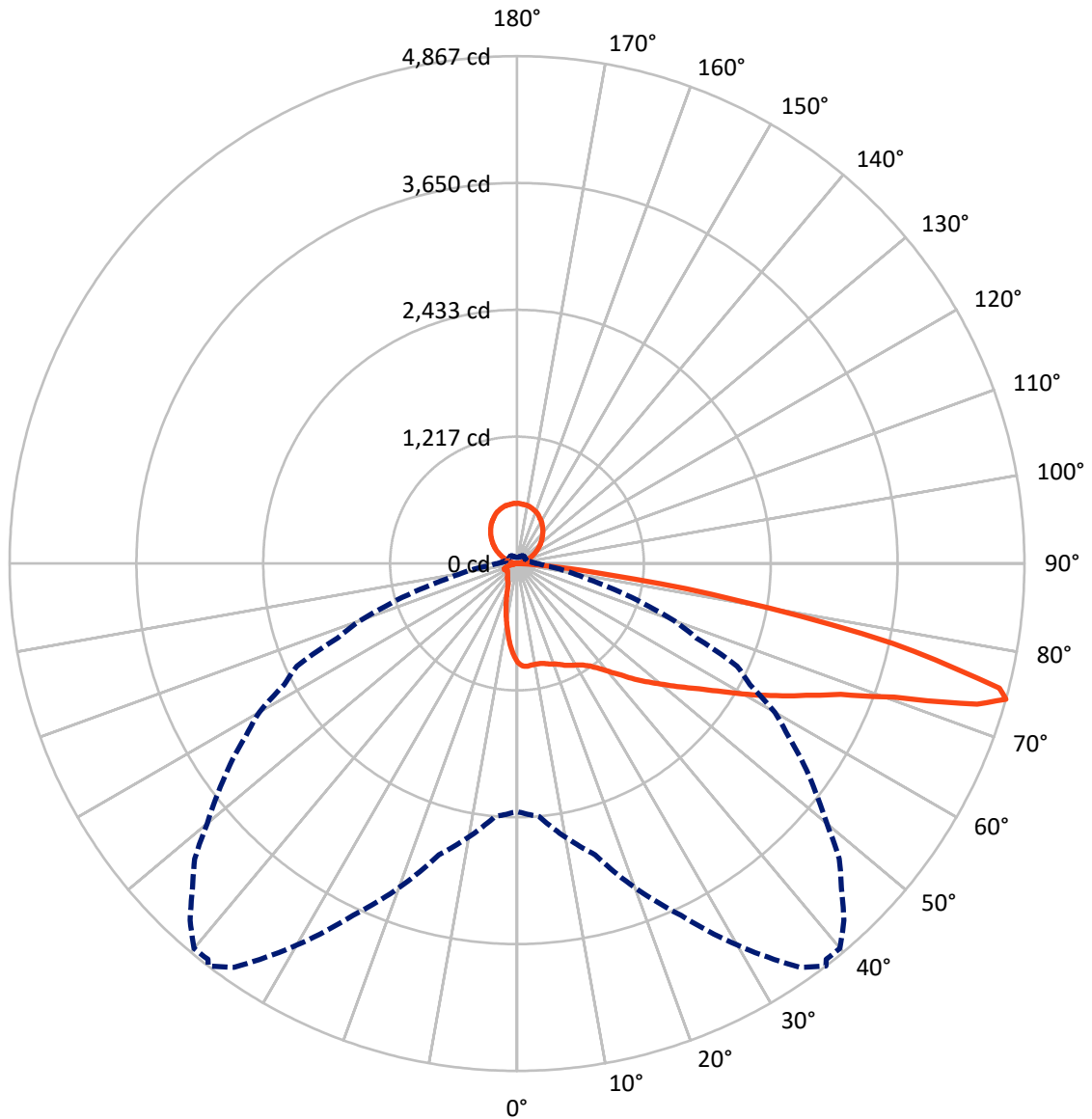
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 37.5-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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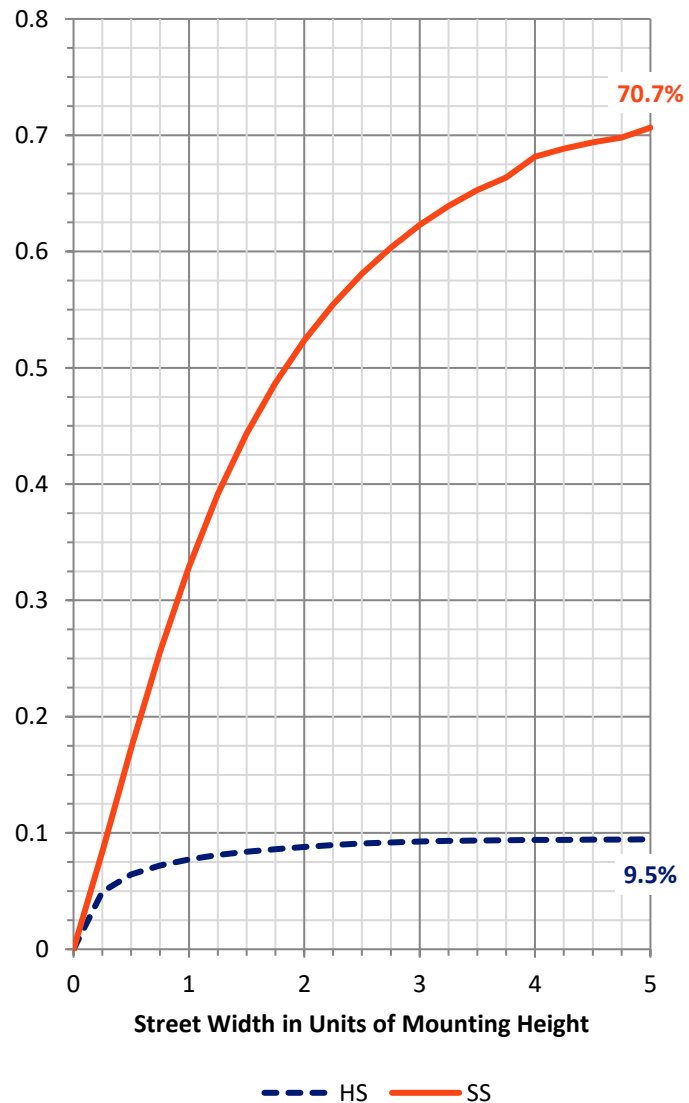
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 689.9 | 713.1 | 1402.9 |
| | % Fixture | 9.5 | 9.8 | 19.4 |
| Street Side | Lumens | 5128.1 | 713.1 | 5841.2 |
| | % Fixture | 70.8 | 9.8 | 80.6 |
| Total | Lumens | 5818.0 | 1426.2 | 7244.2 |
| | % Fixture | 80.3 | 19.7 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.7 | 1.1 |
| 10°-20° | 210.6 | 2.9 |
| 20°-30° | 326.3 | 4.5 |
| 30°-40° | 484.0 | 6.7 |
| 40°-50° | 744.5 | 10.3 |
| 50°-60° | 1100.5 | 15.2 |
| 60°-70° | 1467.0 | 20.3 |
| 70°-80° | 1266.3 | 17.5 |
| 80°-90° | 136.2 | 1.9 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.0 |
| 110°-120° | 153.0 | 2.1 |
| 120°-130° | 223.9 | 3.1 |
| 130°-140° | 265.6 | 3.7 |
| 140°-150° | 269.3 | 3.7 |
| 150°-160° | 231.1 | 3.2 |
| 160°-170° | 155.1 | 2.1 |
| 170°-180° | 54.3 | 0.8 |
| 0°-90° | 5818.0 | 80.3 |
| 0°-180° | 7244.2 | 100.0 |



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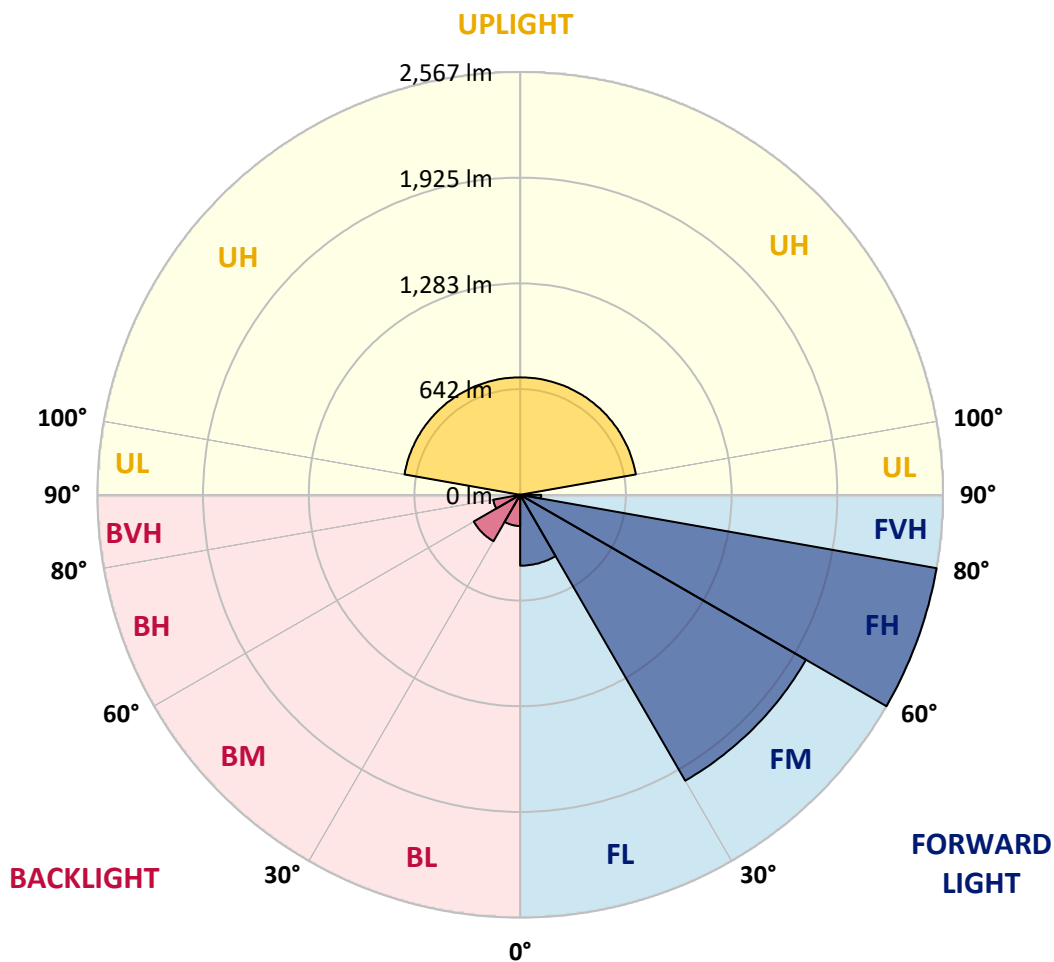
CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 430.1 | 5.9 | | | |
| FM | (30°-60°) | 2003.9 | 27.7 | | | |
| FH | (60°-80°) | 2566.9 | 35.4 | | | G2/5000 |
| FVH | (80°-90°) | 127.2 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 189.4 | 2.6 | B1/500 | | |
| BM | (30°-60°) | 325.2 | 4.5 | B1/1000 | | |
| BH | (60°-80°) | 166.3 | 2.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.0 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 713.1 | 9.8 | | U4/1000 | |

BUG Rating: B1-U5-G2

Type IV Short





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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 38° | 40° | 42.5° | 45° | 47.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 |
| 2.5° | 1003.7 | 1001.5 | 997.2 | 995.0 | 990.7 | 984.2 | 990.7 | 982.0 | 977.6 | 982.0 | 973.3 |
| 5° | 1021.1 | 1018.9 | 1014.6 | 1005.9 | 1001.5 | 990.7 | 997.2 | 986.3 | 984.2 | 988.5 | 977.6 |
| 7.5° | 1023.3 | 1018.9 | 1012.4 | 1001.5 | 997.2 | 984.2 | 988.5 | 975.5 | 971.1 | 975.5 | 969.0 |
| 10° | 1016.8 | 1014.6 | 1008.1 | 990.7 | 986.3 | 982.0 | 979.8 | 971.1 | 969.0 | 966.8 | 964.6 |
| 12.5° | 1005.9 | 1005.9 | 1001.5 | 995.0 | 992.9 | 984.2 | 986.3 | 977.6 | 979.8 | 975.5 | 971.1 |
| 15° | 1001.5 | 999.4 | 1003.7 | 1008.1 | 1008.1 | 995.0 | 1003.7 | 997.2 | 992.9 | 995.0 | 988.5 |
| 17.5° | 997.2 | 999.4 | 1014.6 | 1023.3 | 1027.6 | 1014.6 | 1027.6 | 1014.6 | 1005.9 | 1016.8 | 1005.9 |
| 20° | 995.0 | 1001.5 | 1027.6 | 1047.2 | 1049.3 | 1027.6 | 1049.3 | 1027.6 | 1027.6 | 1040.7 | 1021.1 |
| 22.5° | 1005.9 | 1016.8 | 1053.7 | 1075.4 | 1079.8 | 1051.5 | 1077.6 | 1049.3 | 1049.3 | 1060.2 | 1040.7 |
| 25° | 1040.7 | 1051.5 | 1092.8 | 1116.7 | 1112.3 | 1081.9 | 1105.8 | 1077.6 | 1075.4 | 1088.4 | 1062.4 |
| 27.5° | 1086.3 | 1101.5 | 1140.6 | 1162.3 | 1147.1 | 1105.8 | 1140.6 | 1099.3 | 1099.3 | 1118.9 | 1084.1 |
| 30° | 1151.5 | 1162.3 | 1197.1 | 1199.2 | 1179.7 | 1129.7 | 1168.8 | 1123.2 | 1116.7 | 1151.5 | 1108.0 |
| 32.5° | 1223.1 | 1231.8 | 1257.9 | 1242.7 | 1214.5 | 1162.3 | 1207.9 | 1153.6 | 1151.5 | 1188.4 | 1138.4 |
| 35° | 1299.2 | 1307.9 | 1316.6 | 1290.5 | 1264.4 | 1207.9 | 1257.9 | 1203.6 | 1201.4 | 1242.7 | 1194.9 |
| 37.5° | 1377.4 | 1377.4 | 1377.4 | 1347.0 | 1329.6 | 1275.3 | 1320.9 | 1277.5 | 1273.1 | 1316.6 | 1270.9 |
| 40° | 1440.4 | 1444.7 | 1438.2 | 1410.0 | 1401.3 | 1362.2 | 1401.3 | 1362.2 | 1368.7 | 1407.8 | 1370.9 |
| 42.5° | 1492.5 | 1496.9 | 1499.1 | 1475.2 | 1483.9 | 1462.1 | 1492.5 | 1464.3 | 1466.5 | 1509.9 | 1488.2 |
| 45° | 1544.7 | 1542.5 | 1559.9 | 1553.4 | 1579.4 | 1581.6 | 1599.0 | 1588.1 | 1592.5 | 1625.1 | 1618.6 |
| 47.5° | 1599.0 | 1588.1 | 1607.7 | 1635.9 | 1683.7 | 1698.9 | 1709.8 | 1714.1 | 1731.5 | 1746.7 | 1761.9 |
| 50° | 1651.1 | 1640.3 | 1653.3 | 1716.3 | 1792.4 | 1824.9 | 1827.1 | 1848.8 | 1868.4 | 1890.1 | 1920.5 |
| 52.5° | 1705.5 | 1696.8 | 1709.8 | 1798.9 | 1920.5 | 1966.2 | 1959.6 | 1996.6 | 2024.8 | 2048.7 | 2098.7 |
| 55° | 1761.9 | 1753.3 | 1766.3 | 1898.8 | 2057.4 | 2120.4 | 2113.9 | 2166.0 | 2220.3 | 2229.0 | 2285.5 |
| 57.5° | 1816.3 | 1805.4 | 1842.3 | 2016.1 | 2220.3 | 2315.9 | 2285.5 | 2365.9 | 2418.1 | 2413.7 | 2491.9 |
| 60° | 1874.9 | 1866.2 | 1924.9 | 2159.5 | 2424.6 | 2548.4 | 2502.8 | 2609.2 | 2646.2 | 2631.0 | 2704.8 |
| 62.5° | 1931.4 | 1929.2 | 2027.0 | 2326.8 | 2672.2 | 2791.7 | 2750.5 | 2843.9 | 2869.9 | 2850.4 | 2887.3 |
| 65° | 1983.5 | 1996.6 | 2137.8 | 2494.1 | 2911.2 | 3048.1 | 2991.6 | 3085.0 | 3115.4 | 3100.2 | 3163.2 |
| 67.5° | 2070.4 | 2085.7 | 2274.7 | 2707.0 | 3206.7 | 3347.9 | 3300.1 | 3397.9 | 3443.5 | 3439.2 | 3508.7 |
| 70° | 2198.6 | 2226.9 | 2476.7 | 3009.0 | 3656.4 | 3836.7 | 3810.7 | 3930.1 | 4040.9 | 4032.3 | 4101.8 |
| 72.5° | 2422.4 | 2468.0 | 2809.1 | 3478.3 | 4395.1 | 4614.5 | 4584.1 | 4651.4 | 4631.9 | 4473.3 | 4345.1 |
| 74° | 2378.9 | 2435.4 | 2891.7 | 3723.8 | 4727.5 | 4866.5 | 4816.5 | 4818.7 | 4640.6 | 4399.4 | 4193.0 |
| 75° | 2220.3 | 2279.0 | 2772.2 | 3693.3 | 4703.6 | 4779.6 | 4707.9 | 4618.8 | 4403.8 | 4158.3 | 3904.1 |
| 77.5° | 1523.0 | 1599.0 | 2037.9 | 2982.9 | 3786.8 | 3682.5 | 3665.1 | 3495.6 | 3211.0 | 2935.1 | 2609.2 |
| 80° | 779.9 | 834.3 | 1053.7 | 1559.9 | 2246.4 | 2142.1 | 2176.9 | 2040.0 | 1803.2 | 1603.3 | 1270.9 |
| 82.5° | 186.8 | 199.9 | 310.7 | 604.0 | 973.3 | 890.7 | 903.8 | 799.5 | 662.6 | 541.0 | 419.3 |
| 85° | 97.8 | 110.8 | 152.1 | 167.3 | 256.4 | 265.1 | 258.5 | 249.8 | 204.2 | 171.6 | 149.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 4.3 | 2.2 | 0.0 | 2.2 | 0.0 | 0.0 | 2.2 | 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 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.2 | 5.5 | 6.5 | 7.8 | 9.0 | 10.0 |
| 100° | 8.0 | 8.0 | 10.0 | 14.0 | 22.0 | 24.0 | 24.4 | 26.0 | 28.0 | 30.0 | 30.5 |
| 102.5° | 28.0 | 28.0 | 32.0 | 38.0 | 45.0 | 46.2 | 46.5 | 47.5 | 48.8 | 50.0 | 50.2 |
| 105° | 54.0 | 54.0 | 56.0 | 61.0 | 66.0 | 67.0 | 67.2 | 68.0 | 69.0 | 70.0 | 70.2 |
| 107.5° | 78.0 | 77.0 | 80.0 | 84.0 | 88.0 | 88.8 | 88.9 | 89.5 | 90.2 | 91.0 | 91.5 |



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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 38° | 40° | 42.5° | 45° | 47.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 110.5 | 110.6 | 111.0 | 111.5 | 112.0 | 112.5 |
| 112.5° | 124.0 | 124.0 | 126.0 | 129.0 | 132.0 | 132.5 | 132.6 | 133.0 | 133.5 | 134.0 | 134.5 |
| 115° | 146.0 | 147.0 | 149.0 | 151.0 | 154.0 | 154.5 | 154.6 | 155.0 | 155.5 | 156.0 | 156.5 |
| 117.5° | 169.0 | 170.0 | 172.0 | 174.0 | 177.0 | 177.5 | 177.6 | 178.0 | 178.5 | 179.0 | 179.2 |
| 120° | 193.0 | 195.0 | 196.0 | 198.0 | 201.0 | 201.2 | 201.3 | 201.5 | 201.8 | 202.0 | 202.5 |
| 122.5° | 219.0 | 220.0 | 221.0 | 223.0 | 226.0 | 226.2 | 226.3 | 226.5 | 226.8 | 227.0 | 227.2 |
| 125° | 244.0 | 246.0 | 247.0 | 248.0 | 251.0 | 251.2 | 251.3 | 251.5 | 251.8 | 252.0 | 252.2 |
| 127.5° | 267.0 | 269.0 | 270.0 | 272.0 | 274.0 | 274.5 | 274.6 | 275.0 | 275.5 | 276.0 | 276.5 |
| 130° | 290.0 | 292.0 | 293.0 | 294.0 | 298.0 | 298.2 | 298.3 | 298.5 | 298.8 | 299.0 | 299.5 |
| 132.5° | 313.0 | 314.0 | 317.0 | 318.0 | 321.0 | 321.2 | 321.3 | 321.5 | 321.8 | 322.0 | 322.8 |
| 135° | 336.0 | 337.0 | 339.0 | 341.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.8 |
| 137.5° | 359.0 | 360.0 | 363.0 | 364.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.5 |
| 140° | 382.0 | 383.0 | 385.0 | 386.0 | 388.0 | 388.2 | 388.3 | 388.5 | 388.8 | 389.0 | 389.2 |
| 142.5° | 404.0 | 406.0 | 408.0 | 407.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.5 |
| 145° | 425.0 | 426.0 | 428.0 | 428.0 | 431.0 | 431.2 | 431.3 | 431.5 | 431.8 | 432.0 | 432.5 |
| 147.5° | 444.0 | 444.0 | 447.0 | 448.0 | 452.0 | 452.2 | 452.3 | 452.5 | 452.8 | 453.0 | 453.2 |
| 150° | 461.0 | 462.0 | 464.0 | 465.0 | 469.0 | 469.2 | 469.3 | 469.5 | 469.8 | 470.0 | 470.2 |
| 152.5° | 479.0 | 480.0 | 483.0 | 482.0 | 485.0 | 485.2 | 485.3 | 485.5 | 485.8 | 486.0 | 486.2 |
| 155° | 499.0 | 500.0 | 502.0 | 501.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.2 |
| 157.5° | 513.0 | 515.0 | 517.0 | 516.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 |
| 160° | 525.0 | 527.0 | 529.0 | 529.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 |
| 162.5° | 535.0 | 536.0 | 539.0 | 538.0 | 541.0 | 541.0 | 541.0 | 541.0 | 541.0 | 541.0 | 541.2 |
| 165° | 546.0 | 547.0 | 549.0 | 548.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.2 |
| 167.5° | 555.0 | 556.0 | 559.0 | 558.0 | 561.0 | 560.8 | 560.7 | 560.5 | 560.2 | 560.0 | 560.0 |
| 170° | 562.0 | 563.0 | 566.0 | 565.0 | 567.0 | 566.8 | 566.7 | 566.5 | 566.2 | 566.0 | 565.8 |
| 172.5° | 565.0 | 566.0 | 569.0 | 567.0 | 569.0 | 568.8 | 568.7 | 568.5 | 568.2 | 568.0 | 568.2 |
| 175° | 567.0 | 569.0 | 570.0 | 569.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.2 |
| 177.5° | 572.0 | 573.0 | 575.0 | 574.0 | 578.0 | 577.8 | 577.7 | 577.5 | 577.2 | 577.0 | 577.0 |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |



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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 |
| 2.5° | 979.8 | 975.5 | 979.8 | 966.8 | 973.3 | 962.4 | 966.8 | 955.9 | 960.3 | 951.6 | 953.8 |
| 5° | 984.2 | 973.3 | 979.8 | 969.0 | 971.1 | 962.4 | 960.3 | 955.9 | 953.8 | 947.2 | 942.9 |
| 7.5° | 973.3 | 964.6 | 962.4 | 958.1 | 951.6 | 953.8 | 945.1 | 942.9 | 936.4 | 936.4 | 923.3 |
| 10° | 962.4 | 964.6 | 951.6 | 955.9 | 945.1 | 947.2 | 932.0 | 936.4 | 925.5 | 934.2 | 914.6 |
| 12.5° | 971.1 | 973.3 | 962.4 | 969.0 | 949.4 | 953.8 | 940.7 | 947.2 | 932.0 | 942.9 | 919.0 |
| 15° | 990.7 | 988.5 | 984.2 | 984.2 | 964.6 | 973.3 | 958.1 | 962.4 | 947.2 | 960.3 | 934.2 |
| 17.5° | 1008.1 | 1005.9 | 999.4 | 997.2 | 984.2 | 986.3 | 971.1 | 979.8 | 962.4 | 973.3 | 947.2 |
| 20° | 1027.6 | 1016.8 | 1014.6 | 1012.4 | 997.2 | 997.2 | 986.3 | 990.7 | 973.3 | 986.3 | 955.9 |
| 22.5° | 1042.8 | 1034.1 | 1032.0 | 1023.3 | 1012.4 | 1016.8 | 1001.5 | 1003.7 | 986.3 | 999.4 | 973.3 |
| 25° | 1066.7 | 1055.9 | 1055.9 | 1042.8 | 1036.3 | 1034.1 | 1025.4 | 1032.0 | 1014.6 | 1023.3 | 999.4 |
| 27.5° | 1099.3 | 1075.4 | 1084.1 | 1071.1 | 1066.7 | 1064.6 | 1060.2 | 1064.6 | 1051.5 | 1058.0 | 1034.1 |
| 30° | 1129.7 | 1099.3 | 1112.3 | 1095.0 | 1103.7 | 1095.0 | 1101.5 | 1095.0 | 1095.0 | 1095.0 | 1084.1 |
| 32.5° | 1171.0 | 1134.1 | 1160.1 | 1134.1 | 1151.5 | 1138.4 | 1160.1 | 1147.1 | 1155.8 | 1153.6 | 1149.3 |
| 35° | 1229.7 | 1186.2 | 1223.1 | 1188.4 | 1218.8 | 1201.4 | 1231.8 | 1225.3 | 1242.7 | 1234.0 | 1242.7 |
| 37.5° | 1307.9 | 1262.3 | 1305.7 | 1273.1 | 1310.0 | 1284.0 | 1327.4 | 1323.1 | 1360.0 | 1347.0 | 1360.0 |
| 40° | 1405.6 | 1373.1 | 1405.6 | 1381.7 | 1420.8 | 1410.0 | 1455.6 | 1457.8 | 1499.1 | 1492.5 | 1507.8 |
| 42.5° | 1514.3 | 1490.4 | 1523.0 | 1509.9 | 1549.0 | 1557.7 | 1609.9 | 1622.9 | 1662.0 | 1672.9 | 1675.0 |
| 45° | 1631.6 | 1627.2 | 1653.3 | 1666.3 | 1705.5 | 1731.5 | 1777.1 | 1809.7 | 1853.2 | 1877.1 | 1872.7 |
| 47.5° | 1768.5 | 1785.8 | 1803.2 | 1835.8 | 1870.6 | 1924.9 | 1970.5 | 2011.8 | 2061.8 | 2077.0 | 2083.5 |
| 50° | 1922.7 | 1953.1 | 1968.3 | 2014.0 | 2048.7 | 2116.1 | 2179.1 | 2231.2 | 2285.5 | 2279.0 | 2283.4 |
| 52.5° | 2085.7 | 2124.8 | 2146.5 | 2200.8 | 2246.4 | 2324.6 | 2378.9 | 2428.9 | 2496.3 | 2478.9 | 2472.4 |
| 55° | 2266.0 | 2324.6 | 2342.0 | 2402.8 | 2441.9 | 2522.3 | 2570.1 | 2657.0 | 2685.3 | 2667.9 | 2631.0 |
| 57.5° | 2457.2 | 2526.7 | 2546.2 | 2628.8 | 2648.3 | 2735.2 | 2776.5 | 2835.2 | 2859.1 | 2830.8 | 2783.0 |
| 60° | 2674.4 | 2737.4 | 2752.6 | 2826.5 | 2852.6 | 2932.9 | 2963.4 | 3015.5 | 3032.9 | 2963.4 | 2896.0 |
| 62.5° | 2891.7 | 2956.8 | 2965.5 | 3030.7 | 3056.8 | 3126.3 | 3161.1 | 3191.5 | 3182.8 | 3080.7 | 2996.0 |
| 65° | 3139.3 | 3202.3 | 3224.1 | 3289.2 | 3304.5 | 3356.6 | 3384.8 | 3350.1 | 3330.5 | 3176.3 | 3080.7 |
| 67.5° | 3532.6 | 3599.9 | 3608.6 | 3623.8 | 3621.6 | 3595.6 | 3582.5 | 3463.0 | 3376.1 | 3091.5 | 2954.7 |
| 70° | 4049.6 | 3999.7 | 3901.9 | 3788.9 | 3706.4 | 3558.6 | 3471.7 | 3226.2 | 3043.7 | 2724.4 | 2494.1 |
| 72.5° | 4143.1 | 3980.1 | 3739.0 | 3545.6 | 3345.7 | 3113.3 | 2926.4 | 2554.9 | 2298.6 | 1964.0 | 1720.7 |
| 74° | 3878.0 | 3613.0 | 3358.8 | 3087.2 | 2856.9 | 2518.0 | 2329.0 | 1859.7 | 1605.5 | 1266.6 | 971.1 |
| 75° | 3558.6 | 3248.0 | 2961.2 | 2615.8 | 2400.7 | 1994.4 | 1816.3 | 1310.0 | 1055.9 | 751.7 | 506.2 |
| 77.5° | 2270.3 | 1898.8 | 1625.1 | 1225.3 | 1058.0 | 730.0 | 534.4 | 332.4 | 245.5 | 215.1 | 186.8 |
| 80° | 1018.9 | 725.6 | 575.7 | 397.6 | 332.4 | 254.2 | 215.1 | 173.8 | 158.6 | 139.0 | 132.5 |
| 82.5° | 325.9 | 260.7 | 247.7 | 221.6 | 221.6 | 178.1 | 152.1 | 119.5 | 108.6 | 93.4 | 84.7 |
| 85° | 141.2 | 132.5 | 136.9 | 126.0 | 128.2 | 97.8 | 78.2 | 58.7 | 58.7 | 41.3 | 36.9 |
| 87.5° | 4.3 | 0.0 | 2.2 | 0.0 | 4.3 | 0.0 | 2.2 | 0.0 | 2.2 | 0.0 | 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 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 11.0 | 12.0 | 13.0 | 11.5 | 10.0 | 8.5 | 7.0 | 6.5 | 6.0 | 5.5 | 5.0 |
| 100° | 31.0 | 31.5 | 32.0 | 31.5 | 31.0 | 30.5 | 30.0 | 29.2 | 28.5 | 27.8 | 27.0 |
| 102.5° | 50.5 | 50.8 | 51.0 | 50.8 | 50.5 | 50.2 | 50.0 | 49.5 | 49.0 | 48.5 | 48.0 |
| 105° | 70.5 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.5 | 70.0 | 69.5 | 69.0 |
| 107.5° | 92.0 | 92.5 | 93.0 | 92.8 | 92.5 | 92.2 | 92.0 | 91.8 | 91.5 | 91.2 | 91.0 |



REPORT NUMBER: P228397

CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 113.0 | 113.5 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.8 | 113.5 | 113.2 | 113.0 |
| 112.5° | 135.0 | 135.5 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.8 | 135.5 | 135.2 | 135.0 |
| 115° | 157.0 | 157.5 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 |
| 117.5° | 179.5 | 179.8 | 180.0 | 180.2 | 180.5 | 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 |
| 120° | 203.0 | 203.5 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 |
| 122.5° | 227.5 | 227.8 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.2 | 228.5 | 228.8 | 229.0 |
| 125° | 252.5 | 252.8 | 253.0 | 253.2 | 253.5 | 253.8 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 |
| 127.5° | 277.0 | 277.5 | 278.0 | 277.8 | 277.5 | 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 |
| 130° | 300.0 | 300.5 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.2 | 301.5 | 301.8 | 302.0 |
| 132.5° | 323.5 | 324.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.2 | 325.5 | 325.8 | 326.0 |
| 135° | 346.5 | 347.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 348.2 | 348.5 | 348.8 | 349.0 |
| 137.5° | 368.0 | 368.5 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.2 | 369.5 | 369.8 | 370.0 |
| 140° | 389.5 | 389.8 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 390.5 | 391.0 | 391.5 | 392.0 |
| 142.5° | 411.0 | 411.5 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 412.2 | 412.5 | 412.8 | 413.0 |
| 145° | 433.0 | 433.5 | 434.0 | 433.8 | 433.5 | 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 |
| 147.5° | 453.5 | 453.8 | 454.0 | 453.5 | 453.0 | 452.5 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 |
| 150° | 470.5 | 470.8 | 471.0 | 470.5 | 470.0 | 469.5 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 |
| 152.5° | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.2 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 |
| 155° | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 |
| 157.5° | 519.0 | 519.0 | 519.0 | 518.5 | 518.0 | 517.5 | 517.0 | 517.2 | 517.5 | 517.8 | 518.0 |
| 160° | 532.0 | 532.0 | 532.0 | 531.5 | 531.0 | 530.5 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 |
| 162.5° | 541.5 | 541.8 | 542.0 | 541.5 | 541.0 | 540.5 | 540.0 | 539.5 | 539.0 | 538.5 | 538.0 |
| 165° | 552.5 | 552.8 | 553.0 | 552.2 | 551.5 | 550.8 | 550.0 | 549.5 | 549.0 | 548.5 | 548.0 |
| 167.5° | 560.0 | 560.0 | 560.0 | 559.5 | 559.0 | 558.5 | 558.0 | 558.2 | 558.5 | 558.8 | 559.0 |
| 170° | 565.5 | 565.2 | 565.0 | 564.8 | 564.5 | 564.2 | 564.0 | 564.5 | 565.0 | 565.5 | 566.0 |
| 172.5° | 568.5 | 568.8 | 569.0 | 568.5 | 568.0 | 567.5 | 567.0 | 567.2 | 567.5 | 567.8 | 568.0 |
| 175° | 572.5 | 572.8 | 573.0 | 572.2 | 571.5 | 570.8 | 570.0 | 569.5 | 569.0 | 568.5 | 568.0 |
| 177.5° | 577.0 | 577.0 | 577.0 | 576.2 | 575.5 | 574.8 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 |



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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|
| 0° | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 |
| 2.5° | 945.1 | 949.4 | 947.2 | 938.5 | 936.4 | 929.9 | 914.6 | 916.8 | 908.1 | 914.6 | 903.8 |
| 5° | 936.4 | 934.2 | 925.5 | 914.6 | 903.8 | 890.7 | 879.9 | 875.5 | 866.8 | 862.5 | 856.0 |
| 7.5° | 923.3 | 914.6 | 899.4 | 882.1 | 866.8 | 849.5 | 840.8 | 825.6 | 821.2 | 806.0 | 803.8 |
| 10° | 919.0 | 903.8 | 886.4 | 864.7 | 838.6 | 812.5 | 810.4 | 784.3 | 782.1 | 758.2 | 751.7 |
| 12.5° | 927.7 | 908.1 | 886.4 | 860.3 | 829.9 | 793.0 | 793.0 | 753.9 | 751.7 | 719.1 | 708.3 |
| 15° | 945.1 | 921.2 | 892.9 | 862.5 | 823.4 | 777.8 | 775.6 | 730.0 | 725.6 | 686.5 | 673.5 |
| 17.5° | 960.3 | 927.7 | 901.6 | 860.3 | 814.7 | 762.6 | 751.7 | 706.1 | 697.4 | 651.8 | 634.4 |
| 20° | 971.1 | 934.2 | 903.8 | 856.0 | 799.5 | 738.7 | 723.5 | 675.7 | 656.1 | 610.5 | 586.6 |
| 22.5° | 984.2 | 949.4 | 908.1 | 853.8 | 790.8 | 719.1 | 686.5 | 643.1 | 614.8 | 567.0 | 534.4 |
| 25° | 1003.7 | 973.3 | 923.3 | 860.3 | 784.3 | 699.6 | 656.1 | 610.5 | 571.4 | 523.6 | 475.8 |
| 27.5° | 1034.1 | 1003.7 | 945.1 | 869.0 | 782.1 | 680.0 | 632.2 | 575.7 | 527.9 | 475.8 | 421.5 |
| 30° | 1077.6 | 1045.0 | 982.0 | 892.9 | 784.3 | 664.8 | 606.1 | 545.3 | 488.8 | 428.0 | 371.5 |
| 32.5° | 1134.1 | 1108.0 | 1029.8 | 919.0 | 793.0 | 651.8 | 582.2 | 512.7 | 443.2 | 384.5 | 334.6 |
| 35° | 1212.3 | 1194.9 | 1097.1 | 969.0 | 814.7 | 645.2 | 558.3 | 482.3 | 404.1 | 345.4 | 291.1 |
| 37.5° | 1327.4 | 1303.5 | 1194.9 | 1040.7 | 849.5 | 640.9 | 541.0 | 445.4 | 371.5 | 308.5 | 262.9 |
| 40° | 1473.0 | 1440.4 | 1310.0 | 1127.6 | 903.8 | 643.1 | 525.8 | 417.1 | 343.3 | 275.9 | 239.0 |
| 42.5° | 1646.8 | 1599.0 | 1451.3 | 1234.0 | 958.1 | 647.4 | 517.1 | 391.1 | 321.5 | 249.8 | 221.6 |
| 45° | 1842.3 | 1788.0 | 1618.6 | 1366.5 | 1036.3 | 658.3 | 510.5 | 369.3 | 302.0 | 230.3 | 210.7 |
| 47.5° | 2033.5 | 1979.2 | 1790.2 | 1499.1 | 1116.7 | 677.8 | 514.9 | 356.3 | 288.9 | 219.4 | 197.7 |
| 50° | 2220.3 | 2163.9 | 1942.3 | 1618.6 | 1186.2 | 703.9 | 532.3 | 358.5 | 286.8 | 215.1 | 191.2 |
| 52.5° | 2385.5 | 2315.9 | 2072.6 | 1712.0 | 1236.2 | 721.3 | 547.5 | 365.0 | 288.9 | 212.9 | 189.0 |
| 55° | 2550.6 | 2461.5 | 2176.9 | 1785.8 | 1266.6 | 723.5 | 547.5 | 367.2 | 291.1 | 212.9 | 186.8 |
| 57.5° | 2674.4 | 2572.3 | 2257.3 | 1829.3 | 1277.5 | 712.6 | 534.4 | 356.3 | 278.1 | 210.7 | 182.5 |
| 60° | 2752.6 | 2644.0 | 2313.8 | 1857.5 | 1262.3 | 667.0 | 464.9 | 315.0 | 245.5 | 195.5 | 169.5 |
| 62.5° | 2817.8 | 2707.0 | 2331.1 | 1809.7 | 1134.1 | 530.1 | 362.8 | 256.4 | 204.2 | 173.8 | 156.4 |
| 65° | 2833.0 | 2700.5 | 2209.5 | 1599.0 | 886.4 | 367.2 | 262.9 | 202.0 | 167.3 | 154.3 | 141.2 |
| 67.5° | 2602.7 | 2444.1 | 1857.5 | 1251.4 | 604.0 | 252.0 | 195.5 | 165.1 | 143.4 | 136.9 | 132.5 |
| 70° | 2116.1 | 1942.3 | 1360.0 | 819.1 | 336.7 | 176.0 | 149.9 | 136.9 | 123.8 | 123.8 | 117.3 |
| 72.5° | 1364.4 | 1184.0 | 697.4 | 349.8 | 171.6 | 134.7 | 121.7 | 117.3 | 106.5 | 108.6 | 102.1 |
| 74° | 697.4 | 543.1 | 284.6 | 184.7 | 141.2 | 119.5 | 108.6 | 106.5 | 95.6 | 97.8 | 91.2 |
| 75° | 354.1 | 280.3 | 199.9 | 154.3 | 130.4 | 113.0 | 99.9 | 99.9 | 86.9 | 89.1 | 82.6 |
| 77.5° | 165.1 | 158.6 | 136.9 | 121.7 | 110.8 | 95.6 | 82.6 | 80.4 | 67.3 | 71.7 | 63.0 |
| 80° | 115.1 | 115.1 | 106.5 | 102.1 | 91.2 | 78.2 | 63.0 | 63.0 | 50.0 | 52.1 | 45.6 |
| 82.5° | 65.2 | 60.8 | 60.8 | 69.5 | 71.7 | 58.7 | 45.6 | 43.5 | 36.9 | 36.9 | 30.4 |
| 85° | 28.2 | 32.6 | 39.1 | 47.8 | 52.1 | 45.6 | 32.6 | 30.4 | 19.6 | 19.6 | 10.9 |
| 87.5° | 0.0 | 2.2 | 2.2 | 4.3 | 8.7 | 8.7 | 0.0 | 4.3 | 0.0 | 2.2 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 4.8 | 4.5 | 4.0 | 4.0 | 4.0 | 4.5 | 4.8 | 5.0 | 5.5 | 6.0 | 6.5 |
| 100° | 26.8 | 26.5 | 26.0 | 25.0 | 26.0 | 26.5 | 26.8 | 27.0 | 27.8 | 28.5 | 29.2 |
| 102.5° | 48.2 | 48.5 | 49.0 | 48.0 | 49.0 | 48.5 | 48.2 | 48.0 | 48.5 | 49.0 | 49.5 |
| 105° | 69.5 | 70.0 | 71.0 | 69.0 | 71.0 | 70.0 | 69.5 | 69.0 | 69.5 | 70.0 | 70.5 |
| 107.5° | 91.2 | 91.5 | 92.0 | 91.0 | 92.0 | 91.5 | 91.2 | 91.0 | 91.2 | 91.5 | 91.8 |



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 CATALOG NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° | |
|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--------|
| 110° | 113.2 | 113.5 | 114.0 | 113.0 | 114.0 | 113.5 | 113.2 | 113.0 | 113.2 | 113.5 | 113.8 | 0° |
| 112.5° | 135.5 | 136.0 | 137.0 | 135.0 | 137.0 | 136.0 | 135.5 | 135.0 | 135.2 | 135.5 | 135.8 | 2.5° |
| 115° | 158.5 | 159.0 | 160.0 | 159.0 | 160.0 | 159.0 | 158.5 | 158.0 | 158.0 | 158.0 | 158.0 | 5° |
| 117.5° | 180.5 | 181.0 | 182.0 | 180.0 | 182.0 | 181.0 | 180.5 | 180.0 | 180.2 | 180.5 | 180.8 | 7.5° |
| 120° | 204.5 | 205.0 | 206.0 | 204.0 | 206.0 | 205.0 | 204.5 | 204.0 | 204.0 | 204.0 | 204.0 | 10° |
| 122.5° | 230.0 | 231.0 | 233.0 | 232.0 | 233.0 | 231.0 | 230.0 | 229.0 | 228.8 | 228.5 | 228.2 | 12.5° |
| 125° | 254.8 | 255.5 | 257.0 | 256.0 | 257.0 | 255.5 | 254.8 | 254.0 | 254.0 | 254.0 | 254.0 | 15° |
| 127.5° | 278.8 | 279.5 | 281.0 | 278.0 | 281.0 | 279.5 | 278.8 | 278.0 | 277.8 | 277.5 | 277.2 | 17.5° |
| 130° | 302.8 | 303.5 | 305.0 | 303.0 | 305.0 | 303.5 | 302.8 | 302.0 | 301.8 | 301.5 | 301.2 | 20° |
| 132.5° | 326.8 | 327.5 | 329.0 | 327.0 | 329.0 | 327.5 | 326.8 | 326.0 | 325.8 | 325.5 | 325.2 | 22.5° |
| 135° | 349.5 | 350.0 | 351.0 | 350.0 | 351.0 | 350.0 | 349.5 | 349.0 | 348.8 | 348.5 | 348.2 | 25° |
| 137.5° | 371.0 | 372.0 | 374.0 | 372.0 | 374.0 | 372.0 | 371.0 | 370.0 | 369.8 | 369.5 | 369.2 | 27.5° |
| 140° | 393.0 | 394.0 | 396.0 | 394.0 | 396.0 | 394.0 | 393.0 | 392.0 | 391.5 | 391.0 | 390.5 | 30° |
| 142.5° | 413.8 | 414.5 | 416.0 | 415.0 | 416.0 | 414.5 | 413.8 | 413.0 | 412.8 | 412.5 | 412.2 | 32.5° |
| 145° | 434.8 | 435.5 | 437.0 | 435.0 | 437.0 | 435.5 | 434.8 | 434.0 | 433.8 | 433.5 | 433.2 | 35° |
| 147.5° | 453.8 | 454.5 | 456.0 | 453.0 | 456.0 | 454.5 | 453.8 | 453.0 | 452.8 | 452.5 | 452.2 | 37.5° |
| 150° | 470.0 | 471.0 | 473.0 | 470.0 | 473.0 | 471.0 | 470.0 | 469.0 | 469.0 | 469.0 | 469.0 | 40° |
| 152.5° | 486.8 | 487.5 | 489.0 | 486.0 | 489.0 | 487.5 | 486.8 | 486.0 | 486.0 | 486.0 | 486.0 | 42.5° |
| 155° | 504.8 | 505.5 | 507.0 | 505.0 | 507.0 | 505.5 | 504.8 | 504.0 | 503.8 | 503.5 | 503.2 | 45° |
| 157.5° | 519.2 | 520.5 | 523.0 | 520.0 | 523.0 | 520.5 | 519.2 | 518.0 | 517.8 | 517.5 | 517.2 | 47.5° |
| 160° | 530.8 | 531.5 | 533.0 | 531.0 | 533.0 | 531.5 | 530.8 | 530.0 | 530.0 | 530.0 | 530.0 | 50° |
| 162.5° | 538.5 | 539.0 | 540.0 | 537.0 | 540.0 | 539.0 | 538.5 | 538.0 | 538.5 | 539.0 | 539.5 | 52.5° |
| 165° | 548.5 | 549.0 | 550.0 | 548.0 | 550.0 | 549.0 | 548.5 | 548.0 | 548.5 | 549.0 | 549.5 | 55° |
| 167.5° | 560.0 | 561.0 | 563.0 | 561.0 | 563.0 | 561.0 | 560.0 | 559.0 | 558.8 | 558.5 | 558.2 | 57.5° |
| 170° | 567.2 | 568.5 | 571.0 | 569.0 | 571.0 | 568.5 | 567.2 | 566.0 | 565.5 | 565.0 | 564.5 | 60° |
| 172.5° | 568.8 | 569.5 | 571.0 | 568.0 | 571.0 | 569.5 | 568.8 | 568.0 | 567.8 | 567.5 | 567.2 | 62.5° |
| 175° | 568.8 | 569.5 | 571.0 | 568.0 | 571.0 | 569.5 | 568.8 | 568.0 | 568.5 | 569.0 | 569.5 | 65° |
| 177.5° | 574.8 | 575.5 | 577.0 | 574.0 | 577.0 | 575.5 | 574.8 | 574.0 | 574.0 | 574.0 | 574.0 | 67.5° |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 74° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P228397
 NUMBER: ISC-AF-1200-LED-E1-SL4-7060-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° | 110° | 115° |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 949.4 | 110° | 114.0 |
| 908.1 | 897.3 | 903.8 | 892.9 | 897.3 | 886.4 | 890.7 | 884.2 | 877.7 | 869.0 | 866.8 | 112.5° | 136.0 |
| 849.5 | 840.8 | 838.6 | 827.7 | 829.9 | 821.2 | 812.5 | 801.7 | 788.6 | 771.3 | 764.7 | 115° | 158.0 |
| 784.3 | 782.1 | 766.9 | 760.4 | 751.7 | 743.0 | 727.8 | 710.4 | 684.4 | 660.5 | 645.2 | 117.5° | 181.0 |
| 727.8 | 721.3 | 699.6 | 688.7 | 675.7 | 664.8 | 643.1 | 619.2 | 582.2 | 545.3 | 525.8 | 120° | 204.0 |
| 680.0 | 671.3 | 643.1 | 630.0 | 610.5 | 597.5 | 571.4 | 541.0 | 488.8 | 436.7 | 412.8 | 122.5° | 228.0 |
| 640.9 | 627.9 | 595.3 | 575.7 | 549.7 | 536.6 | 508.4 | 464.9 | 401.9 | 347.6 | 315.0 | 125° | 254.0 |
| 595.3 | 577.9 | 543.1 | 519.2 | 493.2 | 469.3 | 441.0 | 395.4 | 323.7 | 273.7 | 241.2 | 127.5° | 277.0 |
| 545.3 | 523.6 | 486.7 | 454.1 | 425.8 | 404.1 | 375.9 | 330.2 | 258.5 | 219.4 | 202.0 | 130° | 301.0 |
| 493.2 | 458.4 | 425.8 | 397.6 | 365.0 | 343.3 | 315.0 | 273.7 | 219.4 | 197.7 | 191.2 | 132.5° | 325.0 |
| 438.9 | 399.7 | 367.2 | 338.9 | 308.5 | 288.9 | 265.1 | 232.5 | 199.9 | 193.4 | 193.4 | 135° | 348.0 |
| 384.5 | 345.4 | 315.0 | 286.8 | 260.7 | 247.7 | 225.9 | 204.2 | 189.0 | 191.2 | 193.4 | 137.5° | 369.0 |
| 334.6 | 295.5 | 267.2 | 245.5 | 221.6 | 212.9 | 195.5 | 182.5 | 180.3 | 186.8 | 189.0 | 140° | 390.0 |
| 291.1 | 256.4 | 230.3 | 212.9 | 193.4 | 189.0 | 173.8 | 167.3 | 173.8 | 182.5 | 180.3 | 142.5° | 412.0 |
| 254.2 | 225.9 | 199.9 | 189.0 | 171.6 | 169.5 | 158.6 | 154.3 | 162.9 | 173.8 | 173.8 | 145° | 433.0 |
| 225.9 | 199.9 | 180.3 | 171.6 | 158.6 | 156.4 | 147.7 | 143.4 | 149.9 | 165.1 | 169.5 | 147.5° | 452.0 |
| 202.0 | 186.8 | 167.3 | 158.6 | 149.9 | 145.6 | 141.2 | 136.9 | 139.0 | 158.6 | 160.8 | 150° | 469.0 |
| 186.8 | 176.0 | 158.6 | 154.3 | 143.4 | 141.2 | 134.7 | 130.4 | 132.5 | 147.7 | 154.3 | 152.5° | 486.0 |
| 176.0 | 167.3 | 152.1 | 149.9 | 139.0 | 136.9 | 130.4 | 126.0 | 128.2 | 141.2 | 147.7 | 155° | 503.0 |
| 167.3 | 158.6 | 145.6 | 141.2 | 134.7 | 132.5 | 128.2 | 123.8 | 123.8 | 136.9 | 143.4 | 157.5° | 517.0 |
| 162.9 | 154.3 | 141.2 | 136.9 | 130.4 | 128.2 | 123.8 | 119.5 | 121.7 | 132.5 | 136.9 | 160° | 530.0 |
| 160.8 | 149.9 | 139.0 | 132.5 | 128.2 | 123.8 | 119.5 | 115.1 | 117.3 | 128.2 | 132.5 | 162.5° | 540.0 |
| 160.8 | 147.7 | 139.0 | 132.5 | 126.0 | 119.5 | 117.3 | 110.8 | 115.1 | 123.8 | 130.4 | 165° | 550.0 |
| 160.8 | 147.7 | 139.0 | 132.5 | 128.2 | 121.7 | 117.3 | 113.0 | 115.1 | 123.8 | 130.4 | 167.5° | 558.0 |
| 156.4 | 145.6 | 141.2 | 134.7 | 132.5 | 126.0 | 123.8 | 119.5 | 119.5 | 130.4 | 141.2 | 170° | 564.0 |
| 149.9 | 143.4 | 141.2 | 136.9 | 136.9 | 132.5 | 132.5 | 128.2 | 128.2 | 141.2 | 152.1 | 172.5° | 567.0 |
| 141.2 | 136.9 | 139.0 | 136.9 | 136.9 | 136.9 | 134.7 | 134.7 | 134.7 | 145.6 | 158.6 | 175° | 570.0 |
| 132.5 | 130.4 | 132.5 | 132.5 | 134.7 | 132.5 | 134.7 | 132.5 | 132.5 | 143.4 | 156.4 | 177.5° | 574.0 |
| 119.5 | 119.5 | 121.7 | 119.5 | 121.7 | 121.7 | 123.8 | 123.8 | 123.8 | 130.4 | 143.4 | 180° | 576.0 |
| 104.3 | 102.1 | 104.3 | 102.1 | 106.5 | 102.1 | 106.5 | 108.6 | 106.5 | 108.6 | 115.1 | | |
| 93.4 | 91.2 | 93.4 | 91.2 | 95.6 | 91.2 | 93.4 | 93.4 | 91.2 | 73.9 | 63.0 | | |
| 84.7 | 82.6 | 84.7 | 82.6 | 86.9 | 82.6 | 86.9 | 84.7 | 80.4 | 54.3 | 52.1 | | |
| 67.3 | 60.8 | 67.3 | 60.8 | 65.2 | 58.7 | 63.0 | 54.3 | 41.3 | 39.1 | 39.1 | | |
| 50.0 | 43.5 | 47.8 | 41.3 | 39.1 | 30.4 | 32.6 | 30.4 | 28.2 | 30.4 | 30.4 | | |
| 30.4 | 21.7 | 26.1 | 19.6 | 23.9 | 17.4 | 21.7 | 19.6 | 17.4 | 17.4 | 17.4 | | |
| 15.2 | 10.9 | 15.2 | 8.7 | 13.0 | 8.7 | 10.9 | 10.9 | 6.5 | 6.5 | 6.5 | | |
| 2.2 | 0.0 | 4.3 | 0.0 | 4.3 | 0.0 | 2.2 | 2.2 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| 7.0 | 8.5 | 10.0 | 11.5 | 13.0 | 12.0 | 11.0 | 9.0 | 4.0 | 3.0 | 2.0 | | |
| 30.0 | 30.5 | 31.0 | 31.5 | 32.0 | 31.5 | 31.0 | 30.0 | 22.0 | 14.0 | 10.0 | | |
| 50.0 | 50.2 | 50.5 | 50.8 | 51.0 | 50.8 | 50.5 | 50.0 | 45.0 | 38.0 | 32.0 | | |
| 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.8 | 70.5 | 70.0 | 66.0 | 61.0 | 56.0 | | |
| 92.0 | 92.2 | 92.5 | 92.8 | 93.0 | 92.5 | 92.0 | 91.0 | 88.0 | 84.0 | 80.0 | | |

'228397
 ISC-AF-1200-LED-E1-SL4-7060-ULG

REPORT NUMBER: P228397
 CATALOG NUMBER: ISC-AF-12

TION (continued):

CANDELA DISTRIBUTION (con

| 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° | | 175° | 180° |
|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|
| 114.0 | 114.0 | 114.0 | 114.0 | 113.5 | 113.0 | 112.0 | 110.0 | 106.0 | 103.0 | 0° | 949.4 | 949.4 |
| 136.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 134.0 | 132.0 | 129.0 | 126.0 | 2.5° | 860.3 | 862.5 |
| 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 151.0 | 149.0 | 5° | 753.9 | 760.4 |
| 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 174.0 | 172.0 | 7.5° | 636.6 | 640.9 |
| 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 198.0 | 196.0 | 10° | 512.7 | 517.1 |
| 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 223.0 | 221.0 | 12.5° | 395.4 | 399.7 |
| 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 248.0 | 247.0 | 15° | 297.6 | 293.3 |
| 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 272.0 | 270.0 | 17.5° | 228.1 | 223.8 |
| 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 294.0 | 293.0 | 20° | 193.4 | 193.4 |
| 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 318.0 | 317.0 | 22.5° | 189.0 | 186.8 |
| 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 341.0 | 339.0 | 25° | 191.2 | 189.0 |
| 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 364.0 | 363.0 | 27.5° | 191.2 | 189.0 |
| 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 386.0 | 385.0 | 30° | 186.8 | 184.7 |
| 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 407.0 | 408.0 | 32.5° | 180.3 | 178.1 |
| 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 428.0 | 428.0 | 35° | 173.8 | 173.8 |
| 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 448.0 | 447.0 | 37.5° | 169.5 | 171.6 |
| 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 465.0 | 464.0 | 40° | 162.9 | 165.1 |
| 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 482.0 | 483.0 | 42.5° | 156.4 | 158.6 |
| 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 501.0 | 502.0 | 45° | 149.9 | 152.1 |
| 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 516.0 | 517.0 | 47.5° | 143.4 | 143.4 |
| 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 529.0 | 529.0 | 50° | 134.7 | 134.7 |
| 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 538.0 | 539.0 | 52.5° | 132.5 | 132.5 |
| 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 548.0 | 549.0 | 55° | 132.5 | 132.5 |
| 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 558.0 | 559.0 | 57.5° | 136.9 | 136.9 |
| 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 565.0 | 566.0 | 60° | 149.9 | 152.1 |
| 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 567.0 | 569.0 | 62.5° | 176.0 | 178.1 |
| 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 569.0 | 570.0 | 65° | 202.0 | 206.4 |
| 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 574.0 | 575.0 | 67.5° | 204.2 | 210.7 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 70° | 197.7 | 204.2 |
| | | | | | | | | | | 72.5° | 136.9 | 136.9 |
| | | | | | | | | | | 74° | 60.8 | 58.7 |
| | | | | | | | | | | 75° | 52.1 | 50.0 |
| | | | | | | | | | | 77.5° | 39.1 | 39.1 |
| | | | | | | | | | | 80° | 28.2 | 26.1 |
| | | | | | | | | | | 82.5° | 15.2 | 15.2 |
| | | | | | | | | | | 85° | 4.3 | 4.3 |
| | | | | | | | | | | 87.5° | 0.0 | 0.0 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 1.0 | 1.0 |
| | | | | | | | | | | 97.5° | 2.0 | 2.0 |
| | | | | | | | | | | 100° | 8.0 | 8.0 |
| | | | | | | | | | | 102.5° | 28.0 | 28.0 |
| | | | | | | | | | | 105° | 54.0 | 54.0 |
| | | | | | | | | | | 107.5° | 77.0 | 78.0 |



REPORT NUMBER: P228397

CATALOG NUMBER: ISC-AF-1200-LED-E1

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|--------|-------|-------|
| 110° | 102.0 | 101.0 |
| 112.5° | 124.0 | 124.0 |
| 115° | 147.0 | 146.0 |
| 117.5° | 170.0 | 169.0 |
| 120° | 195.0 | 193.0 |
| 122.5° | 220.0 | 219.0 |
| 125° | 246.0 | 244.0 |
| 127.5° | 269.0 | 267.0 |
| 130° | 292.0 | 290.0 |
| 132.5° | 314.0 | 313.0 |
| 135° | 337.0 | 336.0 |
| 137.5° | 360.0 | 359.0 |
| 140° | 383.0 | 382.0 |
| 142.5° | 406.0 | 404.0 |
| 145° | 426.0 | 425.0 |
| 147.5° | 444.0 | 444.0 |
| 150° | 462.0 | 461.0 |
| 152.5° | 480.0 | 479.0 |
| 155° | 500.0 | 499.0 |
| 157.5° | 515.0 | 513.0 |
| 160° | 527.0 | 525.0 |
| 162.5° | 536.0 | 535.0 |
| 165° | 547.0 | 546.0 |
| 167.5° | 556.0 | 555.0 |
| 170° | 563.0 | 562.0 |
| 172.5° | 566.0 | 565.0 |
| 175° | 569.0 | 567.0 |
| 177.5° | 573.0 | 572.0 |
| 180° | 576.0 | 576.0 |

(END OF REPORT)

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

Scaled Data Report

