

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: P228144

Luminaire Tested: **ISC-AF-1000-LED-E1-SL2-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29761)-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-1000-LED-E1-SL2-7030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCUED OPTICS-TYPE II W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 3000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6268.2 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G2

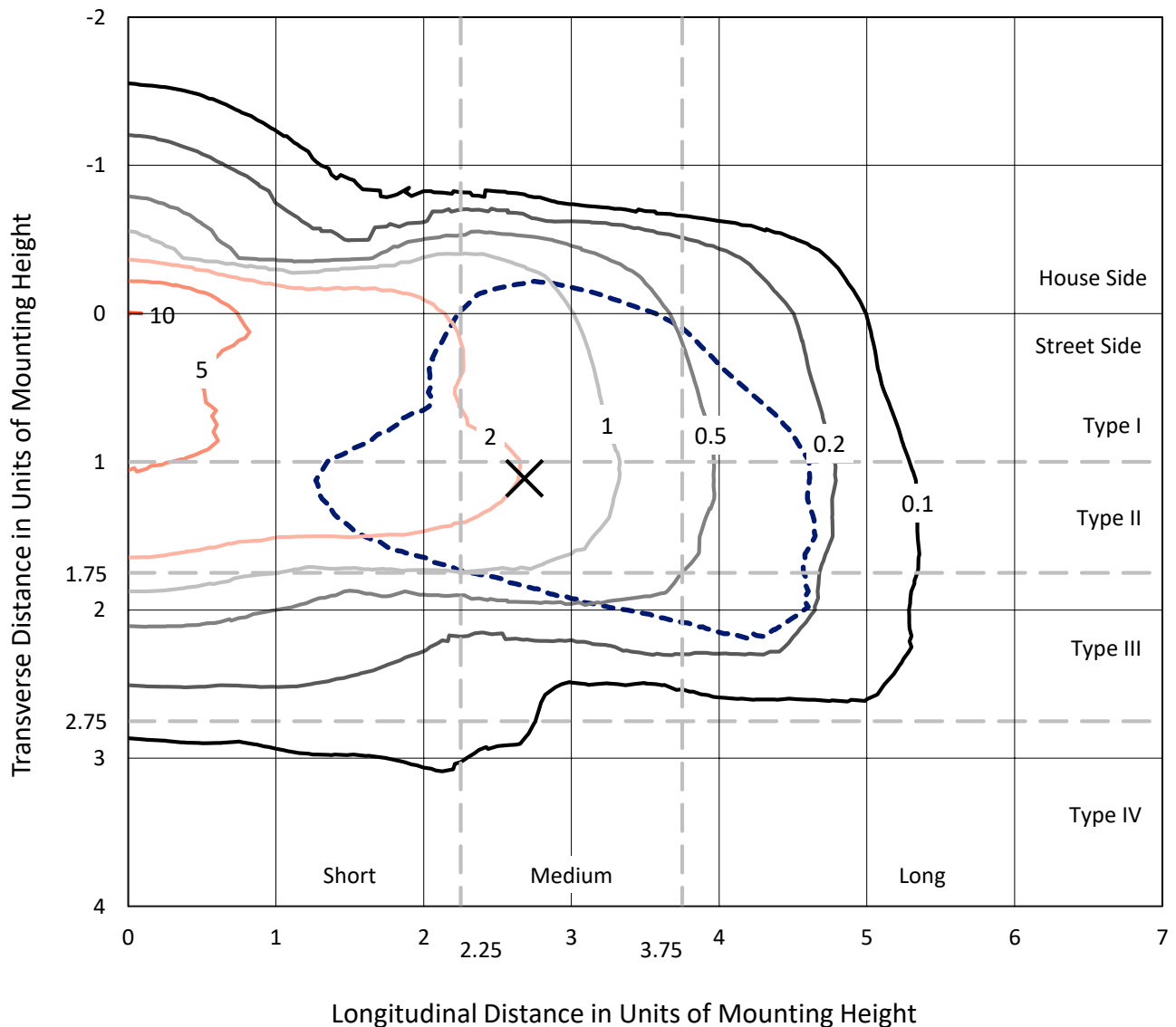
Input Watts (W): 71.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

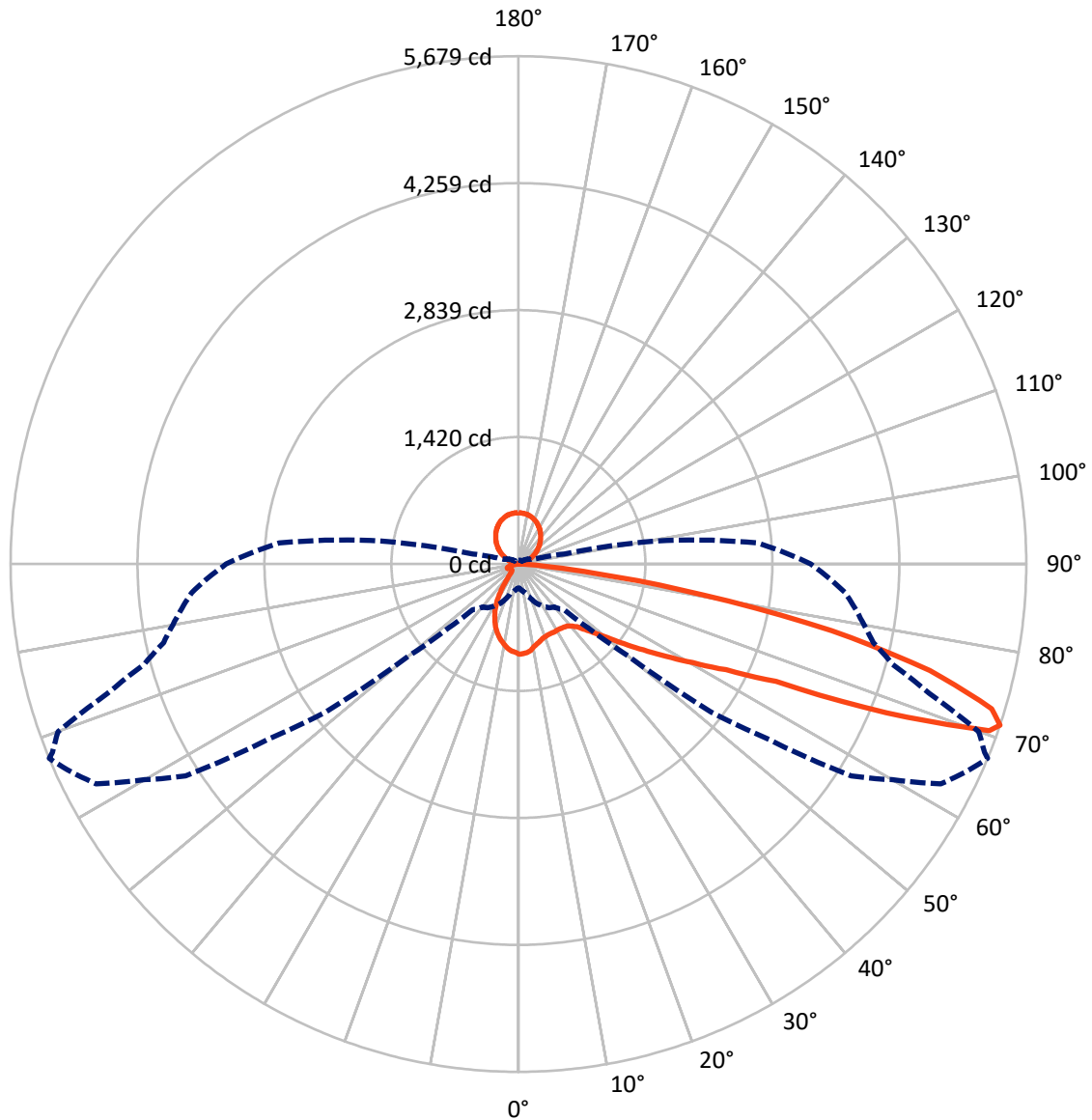


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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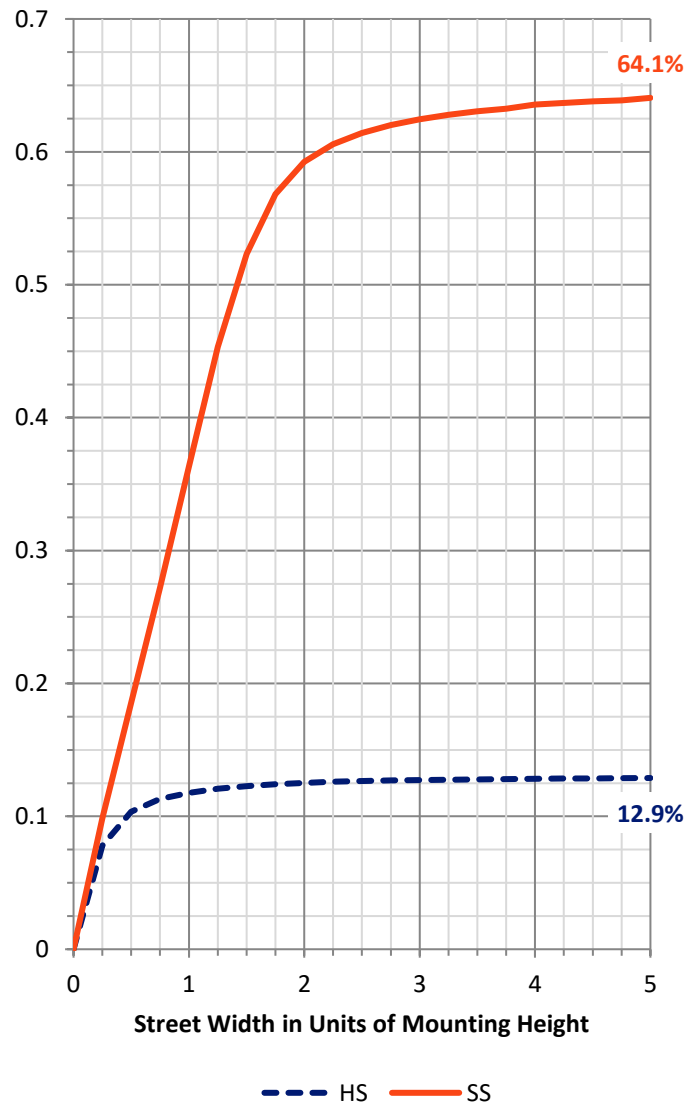
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 815.9 | 713.1 | 1529.0 |
| | % Fixture | 13.0 | 11.4 | 24.4 |
| Street Side | Lumens | 4026.1 | 713.1 | 4739.2 |
| | % Fixture | 64.2 | 11.4 | 75.6 |
| Total | Lumens | 4842.0 | 1426.2 | 6268.2 |
| | % Fixture | 77.2 | 22.8 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.0 | 1.4 |
| 10°-20° | 210.6 | 3.4 |
| 20°-30° | 286.4 | 4.6 |
| 30°-40° | 391.5 | 6.2 |
| 40°-50° | 589.9 | 9.4 |
| 50°-60° | 934.9 | 14.9 |
| 60°-70° | 1237.7 | 19.7 |
| 70°-80° | 986.0 | 15.7 |
| 80°-90° | 116.9 | 1.9 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.1 |
| 110°-120° | 153.0 | 2.4 |
| 120°-130° | 223.9 | 3.6 |
| 130°-140° | 265.6 | 4.2 |
| 140°-150° | 269.3 | 4.3 |
| 150°-160° | 231.1 | 3.7 |
| 160°-170° | 155.1 | 2.5 |
| 170°-180° | 54.3 | 0.9 |
| 0°-90° | 4842.0 | 77.2 |
| 0°-180° | 6268.2 | 100.0 |



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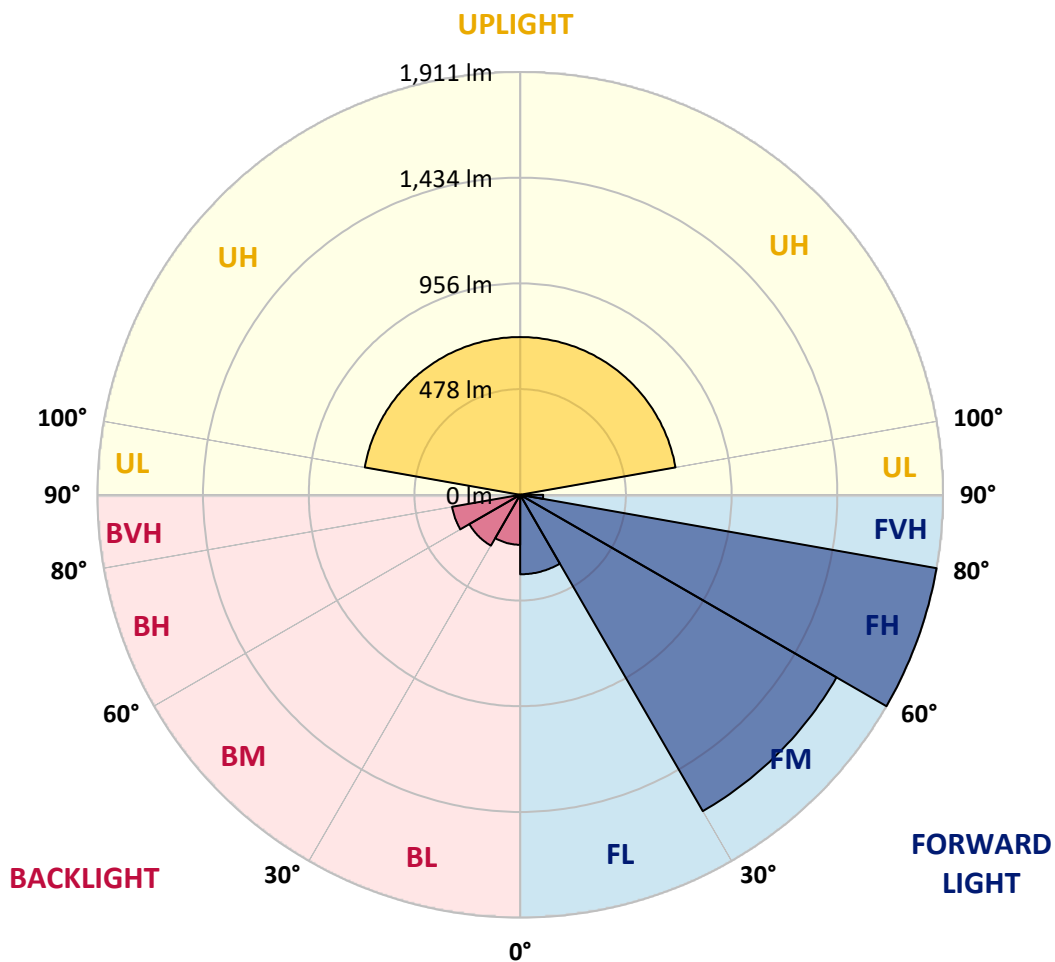
CATALOG NUMBER: ISC-AF-1000-LED-E1-SL2-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 359.3 | 5.7 | | | |
| FM | (30°-60°) | 1651.2 | 26.3 | | | |
| FH | (60°-80°) | 1911.4 | 30.5 | | | G2/5000 |
| FVH | (80°-90°) | 104.2 | 1.7 | | | G2/225 |
| BL | (0°-30°) | 225.9 | 3.6 | B1/500 | | |
| BM | (30°-60°) | 265.1 | 4.2 | B1/1000 | | |
| BH | (60°-80°) | 312.3 | 5.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 12.6 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 713.1 | 11.4 | | U4/1000 | |

BUG Rating: B1-U5-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 |
| 2.5° | 990.4 | 987.0 | 987.0 | 992.1 | 1000.6 | 993.8 | 998.9 | 998.9 | 1000.6 | 1005.6 | 1007.3 |
| 5° | 917.7 | 911.0 | 917.7 | 924.5 | 943.1 | 939.7 | 944.8 | 949.9 | 960.0 | 961.7 | 975.2 |
| 7.5° | 851.8 | 848.5 | 853.5 | 867.0 | 890.7 | 883.9 | 890.7 | 897.5 | 909.3 | 914.4 | 927.9 |
| 10° | 801.1 | 796.1 | 802.8 | 813.0 | 836.6 | 834.9 | 838.3 | 846.8 | 860.3 | 863.7 | 880.6 |
| 12.5° | 763.9 | 763.9 | 767.3 | 780.8 | 801.1 | 799.4 | 809.6 | 814.6 | 826.5 | 829.9 | 848.5 |
| 15° | 745.4 | 740.3 | 747.0 | 758.9 | 779.2 | 779.2 | 785.9 | 791.0 | 807.9 | 809.6 | 826.5 |
| 17.5° | 728.5 | 730.1 | 731.8 | 745.4 | 763.9 | 760.6 | 769.0 | 772.4 | 791.0 | 787.6 | 807.9 |
| 20° | 728.5 | 731.8 | 730.1 | 738.6 | 752.1 | 745.4 | 755.5 | 757.2 | 777.5 | 772.4 | 794.4 |
| 22.5° | 748.7 | 752.1 | 747.0 | 745.4 | 750.4 | 745.4 | 750.4 | 753.8 | 769.0 | 765.6 | 785.9 |
| 25° | 784.2 | 791.0 | 784.2 | 772.4 | 767.3 | 753.8 | 757.2 | 762.3 | 774.1 | 765.6 | 784.2 |
| 27.5° | 840.0 | 845.1 | 833.2 | 821.4 | 797.7 | 782.5 | 777.5 | 775.8 | 789.3 | 775.8 | 791.0 |
| 30° | 904.2 | 911.0 | 900.8 | 878.9 | 845.1 | 819.7 | 809.6 | 804.5 | 813.0 | 792.7 | 807.9 |
| 32.5° | 973.5 | 980.3 | 973.5 | 956.6 | 911.0 | 873.8 | 860.3 | 848.5 | 855.2 | 828.2 | 834.9 |
| 35° | 1044.5 | 1051.3 | 1058.0 | 1047.9 | 988.7 | 946.5 | 924.5 | 914.4 | 912.7 | 878.9 | 880.6 |
| 37.5° | 1107.0 | 1113.8 | 1135.8 | 1145.9 | 1091.8 | 1034.4 | 1014.1 | 992.1 | 993.8 | 946.5 | 946.5 |
| 40° | 1183.1 | 1191.6 | 1220.3 | 1243.9 | 1208.5 | 1139.2 | 1115.5 | 1091.8 | 1091.8 | 1029.3 | 1031.0 |
| 42.5° | 1286.2 | 1296.3 | 1314.9 | 1347.0 | 1335.2 | 1264.2 | 1238.9 | 1206.8 | 1210.1 | 1135.8 | 1134.1 |
| 45° | 1431.6 | 1438.3 | 1438.3 | 1458.6 | 1460.3 | 1392.7 | 1375.8 | 1343.7 | 1350.4 | 1255.8 | 1260.8 |
| 47.5° | 1620.8 | 1612.4 | 1578.6 | 1590.4 | 1603.9 | 1533.0 | 1517.8 | 1497.5 | 1505.9 | 1404.5 | 1414.7 |
| 50° | 1796.6 | 1789.9 | 1720.6 | 1723.9 | 1773.0 | 1700.3 | 1695.2 | 1669.9 | 1681.7 | 1580.3 | 1595.5 |
| 52.5° | 1862.5 | 1850.7 | 1781.4 | 1818.6 | 1955.5 | 1914.9 | 1923.4 | 1911.6 | 1918.3 | 1810.1 | 1806.8 |
| 55° | 1788.2 | 1788.2 | 1745.9 | 1813.5 | 2092.4 | 2114.4 | 2183.7 | 2210.7 | 2239.4 | 2131.3 | 2107.6 |
| 57.5° | 1582.0 | 1595.5 | 1602.3 | 1722.3 | 2070.4 | 2165.1 | 2296.9 | 2411.8 | 2558.9 | 2552.1 | 2587.6 |
| 60° | 1240.6 | 1264.2 | 1303.1 | 1499.2 | 1975.8 | 2131.3 | 2302.0 | 2474.4 | 2677.2 | 2807.3 | 3000.0 |
| 62.5° | 870.4 | 890.7 | 922.8 | 1058.0 | 1700.3 | 1967.3 | 2214.1 | 2479.4 | 2738.0 | 2942.5 | 3196.1 |
| 65° | 591.6 | 611.8 | 679.4 | 753.8 | 1025.9 | 1414.7 | 1791.6 | 2231.0 | 2624.8 | 3005.1 | 3346.5 |
| 67.5° | 425.9 | 437.7 | 490.1 | 615.2 | 682.8 | 753.8 | 894.1 | 1411.3 | 1896.3 | 2662.0 | 3160.6 |
| 70° | 319.4 | 331.3 | 378.6 | 517.2 | 600.0 | 618.6 | 652.4 | 743.7 | 867.0 | 1495.8 | 2149.9 |
| 71° | 267.0 | 283.9 | 341.4 | 486.8 | 596.6 | 611.8 | 627.0 | 681.1 | 721.7 | 1058.0 | 1595.5 |
| 72.5° | 187.6 | 199.4 | 253.5 | 449.6 | 573.0 | 608.5 | 643.9 | 642.3 | 638.9 | 721.7 | 965.1 |
| 75° | 120.0 | 120.0 | 120.0 | 253.5 | 611.8 | 589.9 | 603.4 | 676.1 | 638.9 | 606.8 | 635.5 |
| 77.5° | 94.6 | 93.0 | 87.9 | 126.8 | 478.3 | 598.3 | 633.8 | 652.4 | 687.9 | 633.8 | 605.1 |
| 80° | 71.0 | 69.3 | 69.3 | 79.4 | 221.4 | 387.0 | 535.8 | 594.9 | 620.3 | 674.4 | 615.2 |
| 82.5° | 37.2 | 37.2 | 40.6 | 47.3 | 82.8 | 135.2 | 277.2 | 456.3 | 510.4 | 513.8 | 518.9 |
| 85° | 11.8 | 10.1 | 13.5 | 22.0 | 35.5 | 43.9 | 77.7 | 184.2 | 273.8 | 331.3 | 349.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 6.8 | 11.8 | 15.2 |
| 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° | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.2 | 6.5 | 7.8 | 9.0 | 10.0 | 11.0 |
| 100° | 8.0 | 8.0 | 10.0 | 14.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 30.5 | 31.0 |
| 102.5° | 28.0 | 28.0 | 32.0 | 38.0 | 45.0 | 46.2 | 47.5 | 48.8 | 50.0 | 50.2 | 50.5 |
| 105° | 54.0 | 54.0 | 56.0 | 61.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 70.2 | 70.5 |
| 107.5° | 78.0 | 77.0 | 80.0 | 84.0 | 88.0 | 88.8 | 89.5 | 90.2 | 91.0 | 91.5 | 92.0 |



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CATALOG NUMBER: ISC-AF-1000-LED-E1-SL2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 110.5 | 111.0 | 111.5 | 112.0 | 112.5 | 113.0 |
| 112.5° | 124.0 | 124.0 | 126.0 | 129.0 | 132.0 | 132.5 | 133.0 | 133.5 | 134.0 | 134.5 | 135.0 |
| 115° | 146.0 | 147.0 | 149.0 | 151.0 | 154.0 | 154.5 | 155.0 | 155.5 | 156.0 | 156.5 | 157.0 |
| 117.5° | 169.0 | 170.0 | 172.0 | 174.0 | 177.0 | 177.5 | 178.0 | 178.5 | 179.0 | 179.2 | 179.5 |
| 120° | 193.0 | 195.0 | 196.0 | 198.0 | 201.0 | 201.2 | 201.5 | 201.8 | 202.0 | 202.5 | 203.0 |
| 122.5° | 219.0 | 220.0 | 221.0 | 223.0 | 226.0 | 226.2 | 226.5 | 226.8 | 227.0 | 227.2 | 227.5 |
| 125° | 244.0 | 246.0 | 247.0 | 248.0 | 251.0 | 251.2 | 251.5 | 251.8 | 252.0 | 252.2 | 252.5 |
| 127.5° | 267.0 | 269.0 | 270.0 | 272.0 | 274.0 | 274.5 | 275.0 | 275.5 | 276.0 | 276.5 | 277.0 |
| 130° | 290.0 | 292.0 | 293.0 | 294.0 | 298.0 | 298.2 | 298.5 | 298.8 | 299.0 | 299.5 | 300.0 |
| 132.5° | 313.0 | 314.0 | 317.0 | 318.0 | 321.0 | 321.2 | 321.5 | 321.8 | 322.0 | 322.8 | 323.5 |
| 135° | 336.0 | 337.0 | 339.0 | 341.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.8 | 346.5 |
| 137.5° | 359.0 | 360.0 | 363.0 | 364.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.5 | 368.0 |
| 140° | 382.0 | 383.0 | 385.0 | 386.0 | 388.0 | 388.2 | 388.5 | 388.8 | 389.0 | 389.2 | 389.5 |
| 142.5° | 404.0 | 406.0 | 408.0 | 407.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.5 | 411.0 |
| 145° | 425.0 | 426.0 | 428.0 | 428.0 | 431.0 | 431.2 | 431.5 | 431.8 | 432.0 | 432.5 | 433.0 |
| 147.5° | 444.0 | 444.0 | 447.0 | 448.0 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 | 453.2 | 453.5 |
| 150° | 461.0 | 462.0 | 464.0 | 465.0 | 469.0 | 469.2 | 469.5 | 469.8 | 470.0 | 470.2 | 470.5 |
| 152.5° | 479.0 | 480.0 | 483.0 | 482.0 | 485.0 | 485.2 | 485.5 | 485.8 | 486.0 | 486.2 | 486.5 |
| 155° | 499.0 | 500.0 | 502.0 | 501.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.2 | 503.5 |
| 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 | 541.2 | 541.5 |
| 165° | 546.0 | 547.0 | 549.0 | 548.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.2 | 552.5 |
| 167.5° | 555.0 | 556.0 | 559.0 | 558.0 | 561.0 | 560.8 | 560.5 | 560.2 | 560.0 | 560.0 | 560.0 |
| 170° | 562.0 | 563.0 | 566.0 | 565.0 | 567.0 | 566.8 | 566.5 | 566.2 | 566.0 | 565.8 | 565.5 |
| 172.5° | 565.0 | 566.0 | 569.0 | 567.0 | 569.0 | 568.8 | 568.5 | 568.2 | 568.0 | 568.2 | 568.5 |
| 175° | 567.0 | 569.0 | 570.0 | 569.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.2 | 572.5 |
| 177.5° | 572.0 | 573.0 | 575.0 | 574.0 | 578.0 | 577.8 | 577.5 | 577.2 | 577.0 | 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-1000-LED-E1-SL2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 68° | 70° | 72.5° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 |
| 2.5° | 1002.3 | 1009.0 | 1003.9 | 1010.7 | 1002.3 | 1012.4 | 1003.9 | 1009.0 | 1010.7 | 1003.9 | 1012.4 |
| 5° | 966.8 | 987.0 | 980.3 | 995.5 | 988.7 | 1002.3 | 995.5 | 1009.0 | 1009.0 | 1003.9 | 1015.8 |
| 7.5° | 922.8 | 943.1 | 944.8 | 960.0 | 960.0 | 976.9 | 976.9 | 990.4 | 997.2 | 997.2 | 1014.1 |
| 10° | 878.9 | 897.5 | 900.8 | 917.7 | 921.1 | 941.4 | 941.4 | 960.0 | 973.5 | 978.6 | 998.9 |
| 12.5° | 845.1 | 868.7 | 868.7 | 887.3 | 883.9 | 914.4 | 917.7 | 934.7 | 948.2 | 960.0 | 987.0 |
| 15° | 824.8 | 846.8 | 846.8 | 865.4 | 862.0 | 892.4 | 897.5 | 914.4 | 934.7 | 941.4 | 978.6 |
| 17.5° | 804.5 | 826.5 | 821.4 | 846.8 | 845.1 | 878.9 | 875.5 | 900.8 | 917.7 | 927.9 | 970.1 |
| 20° | 787.6 | 813.0 | 809.6 | 834.9 | 828.2 | 865.4 | 865.4 | 890.7 | 907.6 | 916.1 | 965.1 |
| 22.5° | 779.2 | 806.2 | 799.4 | 824.8 | 819.7 | 856.9 | 856.9 | 882.3 | 900.8 | 914.4 | 963.4 |
| 25° | 779.2 | 802.8 | 796.1 | 824.8 | 816.3 | 856.9 | 855.2 | 880.6 | 899.2 | 911.0 | 965.1 |
| 27.5° | 782.5 | 806.2 | 801.1 | 828.2 | 821.4 | 856.9 | 860.3 | 882.3 | 900.8 | 914.4 | 968.5 |
| 30° | 794.4 | 816.3 | 804.5 | 829.9 | 824.8 | 858.6 | 856.9 | 880.6 | 899.2 | 916.1 | 968.5 |
| 32.5° | 819.7 | 831.6 | 816.3 | 838.3 | 828.2 | 862.0 | 862.0 | 878.9 | 900.8 | 921.1 | 968.5 |
| 35° | 855.2 | 863.7 | 840.0 | 855.2 | 836.6 | 870.4 | 868.7 | 887.3 | 904.2 | 921.1 | 971.8 |
| 37.5° | 905.9 | 916.1 | 878.9 | 892.4 | 862.0 | 889.0 | 882.3 | 904.2 | 921.1 | 931.3 | 988.7 |
| 40° | 982.0 | 985.4 | 936.3 | 946.5 | 904.2 | 927.9 | 911.0 | 941.4 | 949.9 | 956.6 | 1014.1 |
| 42.5° | 1074.9 | 1078.3 | 1015.8 | 1022.5 | 968.5 | 988.7 | 960.0 | 992.1 | 1003.9 | 1002.3 | 1064.8 |
| 45° | 1189.9 | 1191.6 | 1120.6 | 1125.6 | 1063.1 | 1080.0 | 1044.5 | 1071.6 | 1080.0 | 1074.9 | 1139.2 |
| 47.5° | 1314.9 | 1328.5 | 1249.0 | 1255.8 | 1189.9 | 1198.3 | 1154.4 | 1184.8 | 1184.8 | 1179.7 | 1245.6 |
| 50° | 1480.6 | 1500.8 | 1407.9 | 1418.0 | 1342.0 | 1348.7 | 1298.0 | 1330.1 | 1326.8 | 1313.2 | 1387.6 |
| 52.5° | 1686.8 | 1705.4 | 1607.3 | 1620.8 | 1539.7 | 1543.1 | 1480.6 | 1517.8 | 1507.6 | 1485.6 | 1571.8 |
| 55° | 1938.6 | 1940.3 | 1849.0 | 1860.8 | 1779.7 | 1774.7 | 1696.9 | 1742.5 | 1727.3 | 1696.9 | 1776.3 |
| 57.5° | 2342.5 | 2293.5 | 2143.1 | 2139.7 | 2051.8 | 2045.1 | 1945.4 | 2001.1 | 1975.8 | 1911.6 | 2016.3 |
| 60° | 2993.2 | 3008.5 | 2624.8 | 2565.6 | 2401.7 | 2371.3 | 2239.4 | 2303.7 | 2273.2 | 2168.5 | 2271.6 |
| 62.5° | 3360.0 | 3601.7 | 3578.0 | 3365.1 | 2942.5 | 2827.6 | 2604.5 | 2680.6 | 2601.1 | 2447.3 | 2543.7 |
| 65° | 3632.1 | 3960.0 | 4149.3 | 4353.8 | 4164.5 | 3694.7 | 3167.3 | 3273.8 | 3079.4 | 2787.0 | 2880.0 |
| 67.5° | 3733.5 | 4129.0 | 4527.9 | 4818.6 | 5016.3 | 5051.8 | 4441.7 | 4470.4 | 3992.1 | 3407.3 | 3419.2 |
| 70° | 3202.8 | 3785.9 | 4566.8 | 4935.2 | 5327.3 | 5520.0 | 5584.2 | 5553.8 | 5244.5 | 4416.3 | 4100.3 |
| 71° | 2714.4 | 3420.9 | 4411.3 | 4822.0 | 5324.0 | 5509.9 | 5678.9 | 5621.4 | 5477.8 | 4816.9 | 4331.8 |
| 72.5° | 1838.9 | 2726.2 | 3956.6 | 4477.2 | 5146.5 | 5281.7 | 5535.2 | 5433.8 | 5403.4 | 5116.1 | 4548.2 |
| 75° | 865.4 | 1358.9 | 2574.1 | 3361.7 | 4355.5 | 4485.6 | 4751.0 | 4625.9 | 4546.5 | 4644.5 | 4326.8 |
| 77.5° | 637.2 | 742.0 | 1413.0 | 2089.0 | 3167.3 | 3351.6 | 3579.7 | 3425.9 | 3324.5 | 3422.5 | 3201.1 |
| 80° | 579.7 | 583.1 | 731.8 | 1102.0 | 1889.6 | 1999.4 | 2085.6 | 1960.6 | 1806.8 | 1800.0 | 1595.5 |
| 82.5° | 534.1 | 505.4 | 474.9 | 583.1 | 968.5 | 921.1 | 851.8 | 789.3 | 613.5 | 491.8 | 354.9 |
| 85° | 339.7 | 371.8 | 338.0 | 319.4 | 385.4 | 317.7 | 251.8 | 241.7 | 170.7 | 114.9 | 106.5 |
| 87.5° | 23.7 | 27.0 | 32.1 | 37.2 | 45.6 | 37.2 | 23.7 | 28.7 | 16.9 | 0.0 | 8.5 |
| 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° | 12.0 | 13.0 | 11.5 | 10.0 | 8.5 | 7.0 | 6.5 | 6.4 | 6.0 | 5.5 | 5.0 |
| 100° | 31.5 | 32.0 | 31.5 | 31.0 | 30.5 | 30.0 | 29.2 | 29.1 | 28.5 | 27.8 | 27.0 |
| 102.5° | 50.8 | 51.0 | 50.8 | 50.5 | 50.2 | 50.0 | 49.5 | 49.4 | 49.0 | 48.5 | 48.0 |
| 105° | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.5 | 70.4 | 70.0 | 69.5 | 69.0 |
| 107.5° | 92.5 | 93.0 | 92.8 | 92.5 | 92.2 | 92.0 | 91.8 | 91.7 | 91.5 | 91.2 | 91.0 |



REPORT NUMBER: P228144

CATALOG NUMBER: ISC-AF-1000-LED-E1-SL2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 68° | 70° | 72.5° | 75° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 113.5 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.8 | 113.7 | 113.5 | 113.2 | 113.0 |
| 112.5° | 135.5 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.8 | 135.7 | 135.5 | 135.2 | 135.0 |
| 115° | 157.5 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 |
| 117.5° | 179.8 | 180.0 | 180.2 | 180.5 | 180.8 | 181.0 | 180.8 | 180.7 | 180.5 | 180.2 | 180.0 |
| 120° | 203.5 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 |
| 122.5° | 227.8 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.2 | 228.3 | 228.5 | 228.8 | 229.0 |
| 125° | 252.8 | 253.0 | 253.2 | 253.5 | 253.8 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 |
| 127.5° | 277.5 | 278.0 | 277.8 | 277.5 | 277.2 | 277.0 | 277.2 | 277.3 | 277.5 | 277.8 | 278.0 |
| 130° | 300.5 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.2 | 301.3 | 301.5 | 301.8 | 302.0 |
| 132.5° | 324.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.2 | 325.3 | 325.5 | 325.8 | 326.0 |
| 135° | 347.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 348.2 | 348.3 | 348.5 | 348.8 | 349.0 |
| 137.5° | 368.5 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.2 | 369.3 | 369.5 | 369.8 | 370.0 |
| 140° | 389.8 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 390.5 | 390.6 | 391.0 | 391.5 | 392.0 |
| 142.5° | 411.5 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 412.2 | 412.3 | 412.5 | 412.8 | 413.0 |
| 145° | 433.5 | 434.0 | 433.8 | 433.5 | 433.2 | 433.0 | 433.2 | 433.3 | 433.5 | 433.8 | 434.0 |
| 147.5° | 453.8 | 454.0 | 453.5 | 453.0 | 452.5 | 452.0 | 452.2 | 452.3 | 452.5 | 452.8 | 453.0 |
| 150° | 470.8 | 471.0 | 470.5 | 470.0 | 469.5 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 |
| 152.5° | 486.8 | 487.0 | 486.8 | 486.5 | 486.2 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 |
| 155° | 503.8 | 504.0 | 503.8 | 503.5 | 503.2 | 503.0 | 503.2 | 503.3 | 503.5 | 503.8 | 504.0 |
| 157.5° | 519.0 | 519.0 | 518.5 | 518.0 | 517.5 | 517.0 | 517.2 | 517.3 | 517.5 | 517.8 | 518.0 |
| 160° | 532.0 | 532.0 | 531.5 | 531.0 | 530.5 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 |
| 162.5° | 541.8 | 542.0 | 541.5 | 541.0 | 540.5 | 540.0 | 539.5 | 539.4 | 539.0 | 538.5 | 538.0 |
| 165° | 552.8 | 553.0 | 552.2 | 551.5 | 550.8 | 550.0 | 549.5 | 549.4 | 549.0 | 548.5 | 548.0 |
| 167.5° | 560.0 | 560.0 | 559.5 | 559.0 | 558.5 | 558.0 | 558.2 | 558.3 | 558.5 | 558.8 | 559.0 |
| 170° | 565.2 | 565.0 | 564.8 | 564.5 | 564.2 | 564.0 | 564.5 | 564.6 | 565.0 | 565.5 | 566.0 |
| 172.5° | 568.8 | 569.0 | 568.5 | 568.0 | 567.5 | 567.0 | 567.2 | 567.3 | 567.5 | 567.8 | 568.0 |
| 175° | 572.8 | 573.0 | 572.2 | 571.5 | 570.8 | 570.0 | 569.5 | 569.4 | 569.0 | 568.5 | 568.0 |
| 177.5° | 577.0 | 577.0 | 576.2 | 575.5 | 574.8 | 574.0 | 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-1000-LED-E1-SL2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 |
| 2.5° | 1000.6 | 1009.0 | 1012.4 | 1010.7 | 1007.3 | 1003.9 | 992.1 | 1000.6 | 988.7 | 997.2 | 987.0 |
| 5° | 1005.6 | 1017.5 | 1019.2 | 1015.8 | 1012.4 | 1005.6 | 985.4 | 997.2 | 983.7 | 990.4 | 975.2 |
| 7.5° | 1003.9 | 1022.5 | 1024.2 | 1020.8 | 1014.1 | 1002.3 | 982.0 | 990.4 | 968.5 | 973.5 | 953.2 |
| 10° | 995.5 | 1022.5 | 1024.2 | 1015.8 | 1005.6 | 987.0 | 963.4 | 966.8 | 944.8 | 944.8 | 917.7 |
| 12.5° | 987.0 | 1019.2 | 1027.6 | 1015.8 | 998.9 | 973.5 | 946.5 | 943.1 | 917.7 | 916.1 | 885.6 |
| 15° | 987.0 | 1022.5 | 1034.4 | 1019.2 | 993.8 | 958.3 | 926.2 | 919.4 | 890.7 | 882.3 | 848.5 |
| 17.5° | 985.4 | 1022.5 | 1039.4 | 1019.2 | 988.7 | 943.1 | 902.5 | 895.8 | 858.6 | 845.1 | 806.2 |
| 20° | 983.7 | 1025.9 | 1042.8 | 1015.8 | 973.5 | 924.5 | 878.9 | 865.4 | 824.8 | 802.8 | 757.2 |
| 22.5° | 982.0 | 1032.7 | 1046.2 | 1012.4 | 963.4 | 900.8 | 853.5 | 829.9 | 782.5 | 753.8 | 699.7 |
| 25° | 990.4 | 1041.1 | 1047.9 | 1009.0 | 948.2 | 875.5 | 824.8 | 792.7 | 740.3 | 703.1 | 638.9 |
| 27.5° | 993.8 | 1049.6 | 1051.3 | 1002.3 | 929.6 | 848.5 | 794.4 | 750.4 | 691.3 | 645.6 | 573.0 |
| 30° | 1003.9 | 1051.3 | 1046.2 | 988.7 | 907.6 | 814.6 | 758.9 | 704.8 | 638.9 | 579.7 | 493.5 |
| 32.5° | 1007.3 | 1056.3 | 1042.8 | 973.5 | 885.6 | 780.8 | 718.3 | 655.8 | 576.3 | 507.0 | 402.3 |
| 35° | 1014.1 | 1059.7 | 1039.4 | 965.1 | 862.0 | 745.4 | 676.1 | 605.1 | 513.8 | 425.9 | 305.9 |
| 37.5° | 1024.2 | 1074.9 | 1047.9 | 961.7 | 850.1 | 714.9 | 628.7 | 552.7 | 439.4 | 336.3 | 202.8 |
| 40° | 1049.6 | 1105.4 | 1063.1 | 966.8 | 841.7 | 689.6 | 583.1 | 498.6 | 354.9 | 248.5 | 140.3 |
| 42.5° | 1100.3 | 1157.7 | 1102.0 | 992.1 | 846.8 | 667.6 | 535.8 | 441.1 | 268.7 | 177.5 | 116.6 |
| 45° | 1176.3 | 1225.4 | 1166.2 | 1034.4 | 867.0 | 655.8 | 491.8 | 382.0 | 192.7 | 142.0 | 106.5 |
| 47.5° | 1287.9 | 1335.2 | 1260.8 | 1102.0 | 902.5 | 650.7 | 446.2 | 319.4 | 148.7 | 128.5 | 103.1 |
| 50° | 1434.9 | 1490.7 | 1397.7 | 1208.5 | 968.5 | 655.8 | 397.2 | 260.3 | 130.1 | 125.1 | 101.4 |
| 52.5° | 1615.8 | 1669.9 | 1576.9 | 1365.6 | 1076.6 | 684.5 | 344.8 | 226.5 | 123.4 | 123.4 | 99.7 |
| 55° | 1820.3 | 1896.3 | 1805.1 | 1583.7 | 1243.9 | 747.0 | 312.7 | 214.6 | 123.4 | 125.1 | 98.0 |
| 57.5° | 2062.0 | 2126.2 | 2045.1 | 1793.2 | 1445.1 | 850.1 | 316.1 | 226.5 | 123.4 | 125.1 | 96.3 |
| 60° | 2298.6 | 2378.0 | 2285.1 | 2060.3 | 1674.9 | 1005.6 | 385.4 | 287.3 | 128.5 | 130.1 | 96.3 |
| 62.5° | 2545.4 | 2606.2 | 2530.1 | 2293.5 | 1935.2 | 1198.3 | 523.9 | 415.8 | 148.7 | 153.8 | 103.1 |
| 65° | 2815.8 | 2915.5 | 2836.1 | 2641.7 | 2303.7 | 1505.9 | 787.6 | 623.7 | 219.7 | 179.2 | 113.2 |
| 67.5° | 3284.0 | 3324.5 | 3285.6 | 3108.2 | 2734.7 | 1759.4 | 938.0 | 633.8 | 219.7 | 174.1 | 126.8 |
| 70° | 3917.8 | 3826.5 | 3652.4 | 3321.1 | 2780.3 | 1578.6 | 672.7 | 387.0 | 187.6 | 165.6 | 133.5 |
| 71° | 4064.8 | 3924.5 | 3667.6 | 3268.7 | 2685.6 | 1424.8 | 522.3 | 305.9 | 175.8 | 162.3 | 133.5 |
| 72.5° | 4154.4 | 3944.8 | 3556.1 | 3114.9 | 2499.7 | 1122.3 | 344.8 | 240.0 | 160.6 | 153.8 | 128.5 |
| 75° | 4037.8 | 3650.7 | 3140.3 | 2695.8 | 2046.8 | 583.1 | 216.3 | 182.5 | 136.9 | 133.5 | 111.5 |
| 77.5° | 3206.2 | 2866.5 | 2317.2 | 1958.9 | 1316.6 | 258.6 | 155.5 | 138.6 | 108.2 | 104.8 | 86.2 |
| 80° | 1495.8 | 1200.0 | 703.1 | 603.4 | 414.1 | 152.1 | 106.5 | 94.6 | 77.7 | 74.4 | 60.8 |
| 82.5° | 272.1 | 204.5 | 158.9 | 153.8 | 138.6 | 89.6 | 62.5 | 57.5 | 49.0 | 47.3 | 38.9 |
| 85° | 93.0 | 89.6 | 67.6 | 67.6 | 69.3 | 47.3 | 35.5 | 33.8 | 25.4 | 25.4 | 16.9 |
| 87.5° | 1.7 | 8.5 | 8.5 | 11.8 | 10.1 | 8.5 | 3.4 | 5.1 | 1.7 | 5.1 | 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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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° |
| | | | | | | | | | | | | 71° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |



NUMBER: P228144
 NUMBER: ISC-AF-1000-LED-E1-SL2-7030-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° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 1009.0 | 110° | 114.0 |
| 995.5 | 982.0 | 993.8 | 982.0 | 988.7 | 975.2 | 983.7 | 978.6 | 978.6 | 973.5 | 970.1 | 112.5° | 136.0 |
| 980.3 | 963.4 | 971.8 | 958.3 | 965.1 | 944.8 | 949.9 | 941.4 | 924.5 | 914.4 | 900.8 | 115° | 158.0 |
| 958.3 | 933.0 | 939.7 | 919.4 | 924.5 | 897.5 | 902.5 | 887.3 | 855.2 | 834.9 | 814.6 | 117.5° | 181.0 |
| 919.4 | 895.8 | 897.5 | 872.1 | 870.4 | 843.4 | 838.3 | 818.0 | 770.7 | 736.9 | 709.9 | 120° | 204.0 |
| 880.6 | 853.5 | 850.1 | 819.7 | 814.6 | 782.5 | 775.8 | 743.7 | 674.4 | 608.5 | 566.2 | 122.5° | 228.0 |
| 840.0 | 806.2 | 796.1 | 763.9 | 745.4 | 718.3 | 699.7 | 652.4 | 552.7 | 466.5 | 410.7 | 125° | 254.0 |
| 794.4 | 750.4 | 735.2 | 698.0 | 671.0 | 630.4 | 603.4 | 539.2 | 410.7 | 317.7 | 278.9 | 127.5° | 277.0 |
| 735.2 | 687.9 | 660.8 | 613.5 | 578.0 | 529.0 | 495.2 | 412.4 | 273.8 | 226.5 | 221.4 | 130° | 301.0 |
| 669.3 | 613.5 | 579.7 | 520.6 | 476.6 | 424.2 | 370.1 | 278.9 | 194.4 | 184.2 | 191.0 | 132.5° | 325.0 |
| 600.0 | 530.7 | 486.8 | 414.1 | 354.9 | 294.1 | 243.4 | 185.9 | 158.9 | 157.2 | 167.3 | 135° | 348.0 |
| 517.2 | 437.7 | 375.2 | 289.0 | 234.9 | 187.6 | 165.6 | 147.0 | 135.2 | 136.9 | 147.0 | 137.5° | 369.0 |
| 425.9 | 322.8 | 256.9 | 180.8 | 157.2 | 136.9 | 133.5 | 126.8 | 121.7 | 125.1 | 131.8 | 140° | 390.0 |
| 317.7 | 206.2 | 165.6 | 130.1 | 128.5 | 116.6 | 120.0 | 116.6 | 114.9 | 116.6 | 121.7 | 142.5° | 412.0 |
| 214.6 | 136.9 | 130.1 | 111.5 | 114.9 | 106.5 | 111.5 | 109.9 | 108.2 | 108.2 | 111.5 | 145° | 433.0 |
| 148.7 | 113.2 | 116.6 | 103.1 | 108.2 | 101.4 | 106.5 | 104.8 | 103.1 | 101.4 | 103.1 | 147.5° | 452.0 |
| 123.4 | 103.1 | 108.2 | 98.0 | 103.1 | 96.3 | 101.4 | 99.7 | 98.0 | 94.6 | 94.6 | 150° | 469.0 |
| 113.2 | 98.0 | 103.1 | 93.0 | 99.7 | 91.3 | 98.0 | 94.6 | 91.3 | 87.9 | 89.6 | 152.5° | 486.0 |
| 109.9 | 94.6 | 99.7 | 89.6 | 96.3 | 87.9 | 93.0 | 91.3 | 84.5 | 82.8 | 84.5 | 155° | 503.0 |
| 106.5 | 93.0 | 98.0 | 87.9 | 93.0 | 84.5 | 89.6 | 86.2 | 79.4 | 77.7 | 79.4 | 157.5° | 517.0 |
| 104.8 | 89.6 | 94.6 | 84.5 | 89.6 | 82.8 | 86.2 | 82.8 | 76.1 | 74.4 | 74.4 | 160° | 530.0 |
| 103.1 | 87.9 | 93.0 | 81.1 | 86.2 | 76.1 | 81.1 | 77.7 | 71.0 | 69.3 | 69.3 | 162.5° | 540.0 |
| 103.1 | 86.2 | 89.6 | 77.7 | 82.8 | 72.7 | 76.1 | 72.7 | 69.3 | 65.9 | 65.9 | 165° | 550.0 |
| 101.4 | 82.8 | 87.9 | 74.4 | 77.7 | 69.3 | 72.7 | 69.3 | 64.2 | 62.5 | 62.5 | 167.5° | 558.0 |
| 101.4 | 81.1 | 86.2 | 72.7 | 76.1 | 65.9 | 69.3 | 65.9 | 60.8 | 59.2 | 59.2 | 170° | 564.0 |
| 106.5 | 84.5 | 87.9 | 74.4 | 76.1 | 65.9 | 67.6 | 62.5 | 57.5 | 57.5 | 55.8 | 172.5° | 567.0 |
| 116.6 | 94.6 | 94.6 | 77.7 | 77.7 | 65.9 | 67.6 | 60.8 | 54.1 | 54.1 | 54.1 | 175° | 570.0 |
| 126.8 | 104.8 | 103.1 | 82.8 | 81.1 | 65.9 | 65.9 | 57.5 | 50.7 | 50.7 | 50.7 | 177.5° | 574.0 |
| 133.5 | 109.9 | 106.5 | 84.5 | 81.1 | 64.2 | 62.5 | 54.1 | 47.3 | 47.3 | 47.3 | 180° | 576.0 |
| 131.8 | 109.9 | 104.8 | 82.8 | 77.7 | 60.8 | 60.8 | 52.4 | 45.6 | 45.6 | 43.9 | | |
| 125.1 | 103.1 | 98.0 | 77.7 | 74.4 | 57.5 | 57.5 | 49.0 | 42.3 | 42.3 | 40.6 | | |
| 106.5 | 87.9 | 82.8 | 65.9 | 62.5 | 50.7 | 49.0 | 40.6 | 37.2 | 35.5 | 35.5 | | |
| 82.8 | 69.3 | 64.2 | 52.4 | 50.7 | 40.6 | 38.9 | 33.8 | 30.4 | 30.4 | 28.7 | | |
| 59.2 | 49.0 | 45.6 | 35.5 | 32.1 | 27.0 | 28.7 | 25.4 | 23.7 | 23.7 | 22.0 | | |
| 35.5 | 25.4 | 25.4 | 20.3 | 22.0 | 16.9 | 18.6 | 18.6 | 16.9 | 13.5 | 13.5 | | |
| 18.6 | 11.8 | 15.2 | 8.5 | 11.8 | 5.1 | 8.5 | 6.8 | 6.8 | 5.1 | 5.1 | | |
| 3.4 | 0.0 | 1.7 | 0.0 | 1.7 | 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 | 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 | | |

'228144
 ISC-AF-1000-LED-E1-SL2-7030-ULG

REPORT NUMBER: P228144
 CATALOG NUMBER: ISC-AF-10

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° | 1009.0 | 1009.0 |
| 136.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 134.0 | 132.0 | 129.0 | 126.0 | 2.5° | 960.0 | 961.7 |
| 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 151.0 | 149.0 | 5° | 894.1 | 897.5 |
| 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 174.0 | 172.0 | 7.5° | 799.4 | 804.5 |
| 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 198.0 | 196.0 | 10° | 686.2 | 689.6 |
| 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 223.0 | 221.0 | 12.5° | 540.8 | 540.8 |
| 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 248.0 | 247.0 | 15° | 378.6 | 382.0 |
| 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 272.0 | 270.0 | 17.5° | 265.4 | 267.0 |
| 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 294.0 | 293.0 | 20° | 223.1 | 224.8 |
| 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 318.0 | 317.0 | 22.5° | 199.4 | 201.1 |
| 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 341.0 | 339.0 | 25° | 177.5 | 179.2 |
| 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 364.0 | 363.0 | 27.5° | 153.8 | 155.5 |
| 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 386.0 | 385.0 | 30° | 138.6 | 140.3 |
| 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 407.0 | 408.0 | 32.5° | 125.1 | 126.8 |
| 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 428.0 | 428.0 | 35° | 113.2 | 113.2 |
| 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 448.0 | 447.0 | 37.5° | 104.8 | 104.8 |
| 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 465.0 | 464.0 | 40° | 96.3 | 96.3 |
| 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 482.0 | 483.0 | 42.5° | 91.3 | 91.3 |
| 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 501.0 | 502.0 | 45° | 86.2 | 86.2 |
| 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 516.0 | 517.0 | 47.5° | 81.1 | 81.1 |
| 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 529.0 | 529.0 | 50° | 76.1 | 77.7 |
| 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 538.0 | 539.0 | 52.5° | 71.0 | 71.0 |
| 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 548.0 | 549.0 | 55° | 65.9 | 65.9 |
| 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 558.0 | 559.0 | 57.5° | 60.8 | 62.5 |
| 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 565.0 | 566.0 | 60° | 57.5 | 57.5 |
| 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 567.0 | 569.0 | 62.5° | 54.1 | 54.1 |
| 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 569.0 | 570.0 | 65° | 52.4 | 52.4 |
| 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 574.0 | 575.0 | 67.5° | 49.0 | 49.0 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 70° | 45.6 | 45.6 |
| | | | | | | | | | | 71° | 43.9 | 43.9 |
| | | | | | | | | | | 72.5° | 40.6 | 40.6 |
| | | | | | | | | | | 75° | 35.5 | 33.8 |
| | | | | | | | | | | 77.5° | 28.7 | 28.7 |
| | | | | | | | | | | 80° | 22.0 | 20.3 |
| | | | | | | | | | | 82.5° | 13.5 | 11.8 |
| | | | | | | | | | | 85° | 5.1 | 3.4 |
| | | | | | | | | | | 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: P228144

CATALOG NUMBER: ISC-AF-1000-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



-SL2-7030-ULG