

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: P228265

Luminaire Tested: **ISC-AF-1200-LED-E1-SL3-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29762)-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-SL3-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL, WITH UPLIGHT
GLOW
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7721.4 lumens
Efficiency: N/A
Efficacy: 93.4 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

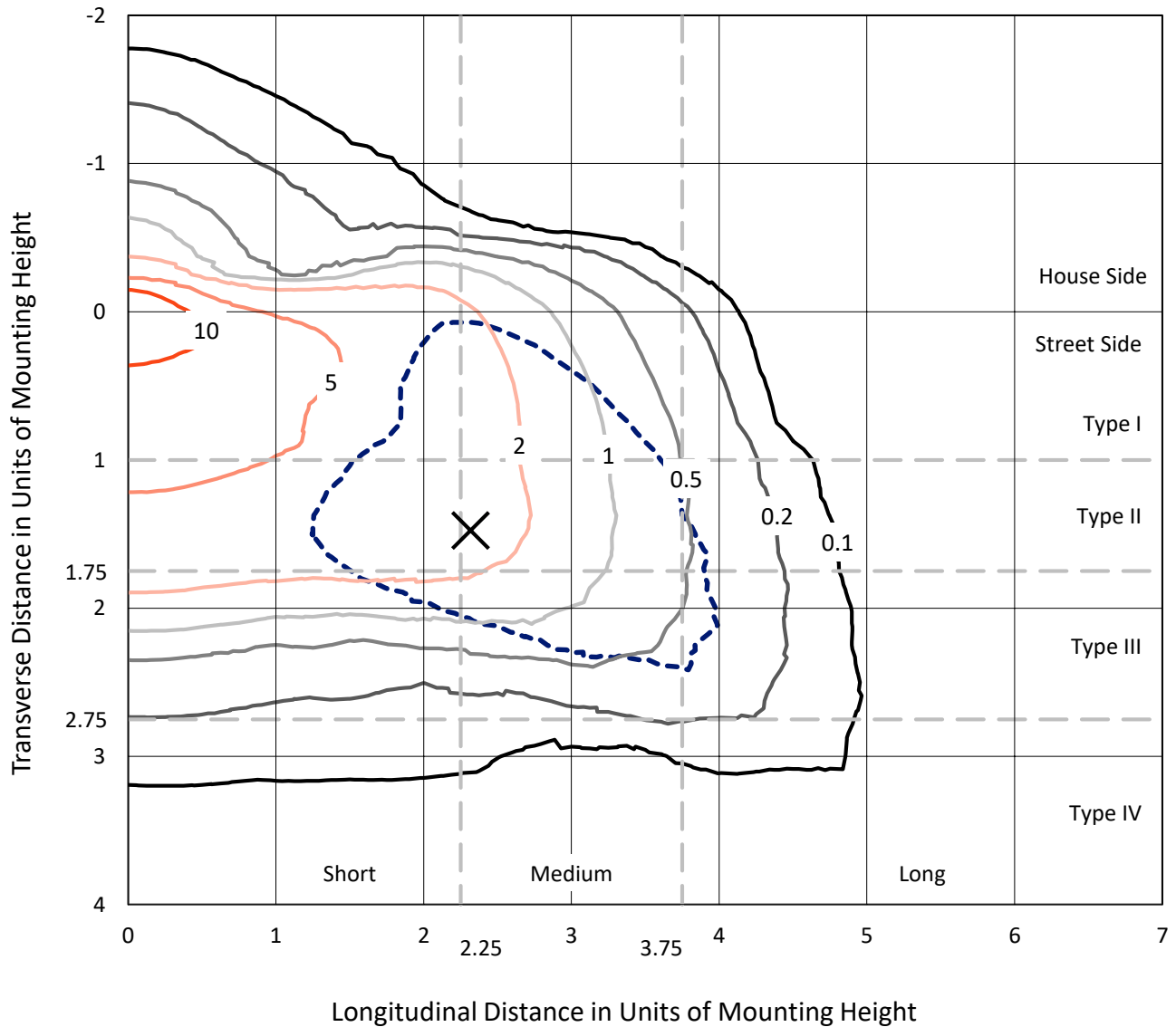
Input Watts (W): 82.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

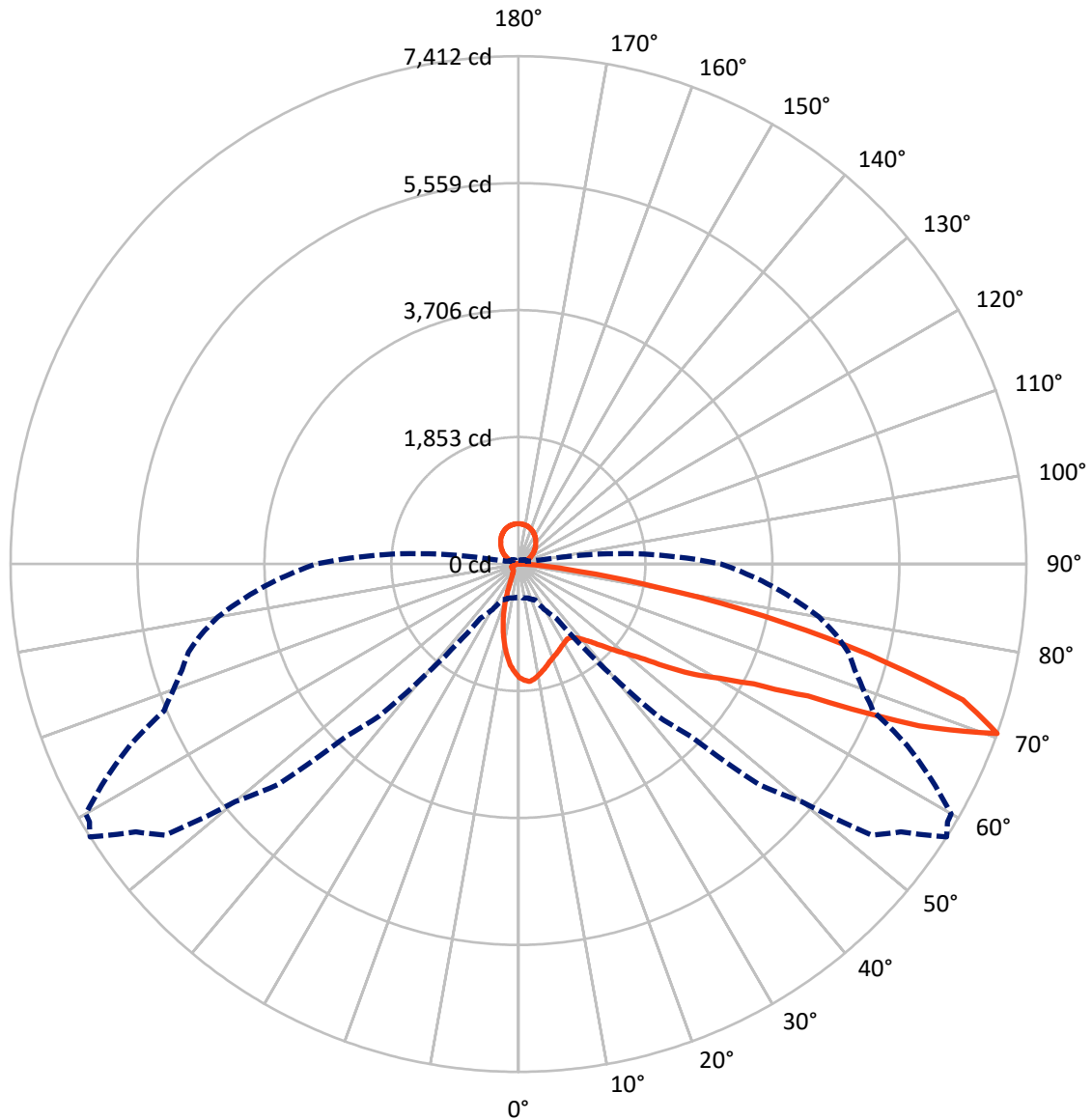
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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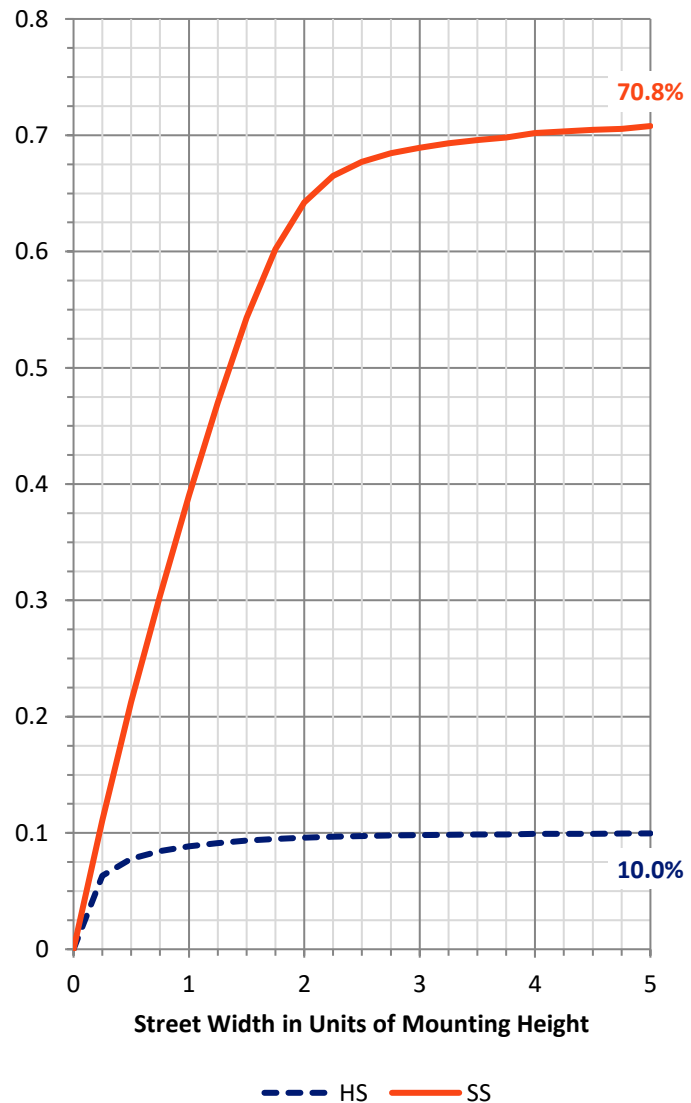
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 774.9 | 729.4 | 1504.4 |
| | % Fixture | 10.0 | 9.4 | 19.5 |
| Street Side | Lumens | 5487.5 | 729.4 | 6217.0 |
| | % Fixture | 71.1 | 9.4 | 80.5 |
| Total | Lumens | 6262.5 | 1458.9 | 7721.4 |
| | % Fixture | 81.1 | 18.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 143.1 | 1.9 |
| 10°-20° | 310.7 | 4.0 |
| 20°-30° | 390.5 | 5.1 |
| 30°-40° | 510.3 | 6.6 |
| 40°-50° | 765.7 | 9.9 |
| 50°-60° | 1210.4 | 15.7 |
| 60°-70° | 1744.7 | 22.6 |
| 70°-80° | 1079.8 | 14.0 |
| 80°-90° | 107.1 | 1.4 |
| 90°-100° | 4.8 | 0.1 |
| 100°-110° | 70.6 | 0.9 |
| 110°-120° | 156.6 | 2.0 |
| 120°-130° | 229.0 | 3.0 |
| 130°-140° | 271.7 | 3.5 |
| 140°-150° | 275.5 | 3.6 |
| 150°-160° | 236.4 | 3.1 |
| 160°-170° | 158.7 | 2.1 |
| 170°-180° | 55.6 | 0.7 |
| 0°-90° | 6262.5 | 81.1 |
| 0°-180° | 7721.4 | 100.0 |



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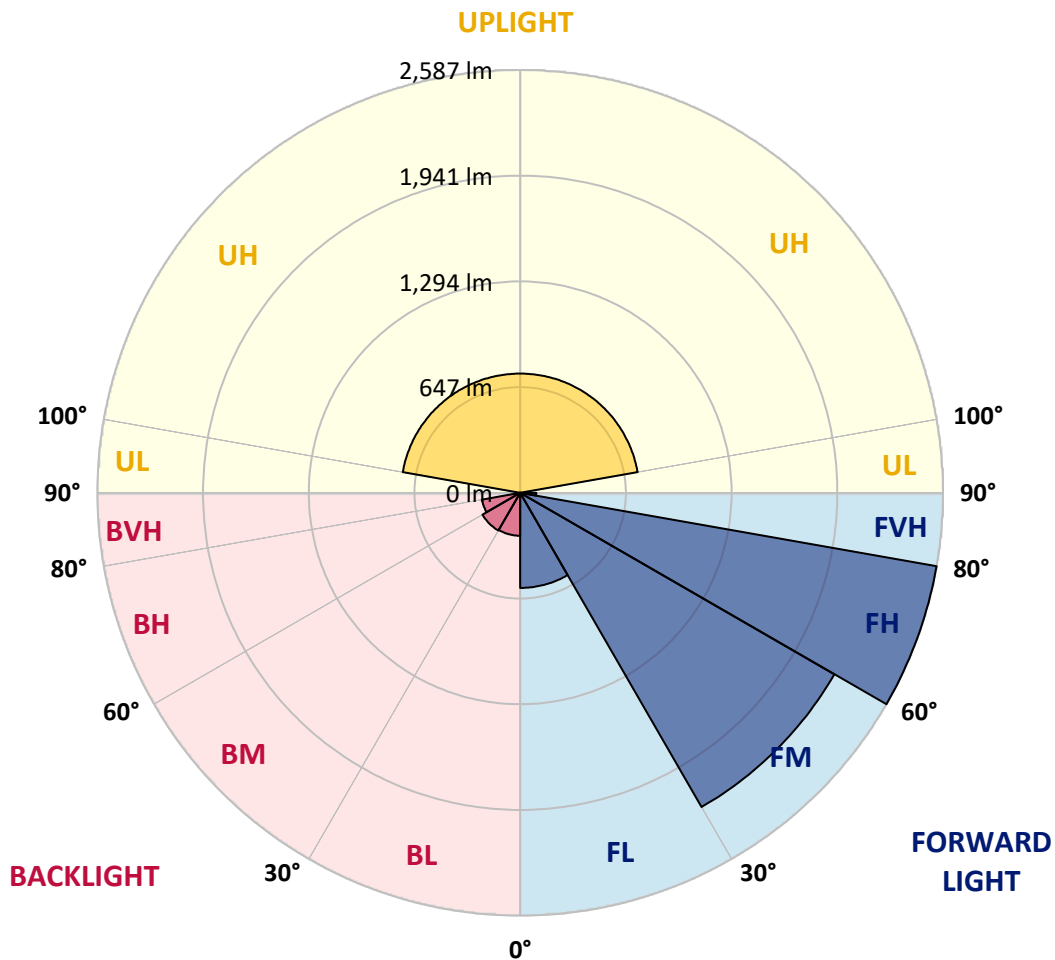
CATALOG NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 581.6 | 7.5 | | | |
| FM | (30°-60°) | 2220.0 | 28.8 | | | |
| FH | (60°-80°) | 2587.4 | 33.5 | | | G2/5000 |
| FVH | (80°-90°) | 98.6 | 1.3 | | | G1/100 |
| BL | (0°-30°) | 262.7 | 3.4 | B1/500 | | |
| BM | (30°-60°) | 266.5 | 3.5 | B1/1000 | | |
| BH | (60°-80°) | 237.2 | 3.1 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 8.5 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 4.8 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 729.4 | 9.4 | | 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° | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 |
| 2.5° | 1739.8 | 1737.6 | 1733.1 | 1724.3 | 1719.8 | 1724.3 | 1719.8 | 1713.1 | 1704.2 | 1710.9 | 1706.5 |
| 5° | 1735.3 | 1739.8 | 1730.9 | 1724.3 | 1735.3 | 1739.8 | 1730.9 | 1730.9 | 1722.0 | 1730.9 | 1726.4 |
| 7.5° | 1648.7 | 1650.9 | 1653.1 | 1650.9 | 1679.8 | 1679.8 | 1675.4 | 1679.8 | 1682.0 | 1686.4 | 1688.7 |
| 10° | 1539.8 | 1542.0 | 1546.5 | 1553.1 | 1588.7 | 1593.1 | 1595.4 | 1599.8 | 1606.4 | 1610.9 | 1624.2 |
| 12.5° | 1430.9 | 1435.4 | 1444.3 | 1466.5 | 1504.2 | 1508.8 | 1515.4 | 1522.0 | 1533.2 | 1539.8 | 1564.3 |
| 15° | 1339.9 | 1342.1 | 1350.9 | 1375.4 | 1430.9 | 1442.1 | 1446.5 | 1455.4 | 1477.6 | 1477.6 | 1504.2 |
| 17.5° | 1255.4 | 1259.9 | 1266.5 | 1295.4 | 1350.9 | 1368.7 | 1382.0 | 1386.5 | 1415.4 | 1422.0 | 1453.2 |
| 20° | 1190.9 | 1193.2 | 1195.4 | 1222.1 | 1273.2 | 1299.9 | 1310.9 | 1328.7 | 1350.9 | 1368.7 | 1395.4 |
| 22.5° | 1155.4 | 1157.7 | 1153.2 | 1164.3 | 1208.7 | 1242.1 | 1255.4 | 1273.2 | 1282.1 | 1313.2 | 1328.7 |
| 25° | 1157.7 | 1159.8 | 1148.8 | 1142.1 | 1164.3 | 1199.8 | 1211.0 | 1228.8 | 1224.3 | 1268.8 | 1268.8 |
| 27.5° | 1179.9 | 1184.3 | 1173.2 | 1153.2 | 1155.4 | 1184.3 | 1190.9 | 1197.7 | 1184.3 | 1228.8 | 1219.9 |
| 30° | 1224.3 | 1228.8 | 1215.4 | 1199.8 | 1175.4 | 1193.2 | 1193.2 | 1193.2 | 1168.7 | 1206.6 | 1190.9 |
| 32.5° | 1270.9 | 1275.4 | 1270.9 | 1259.9 | 1228.8 | 1233.2 | 1224.3 | 1219.9 | 1186.5 | 1217.6 | 1193.2 |
| 35° | 1339.9 | 1342.1 | 1344.3 | 1344.3 | 1299.9 | 1308.8 | 1284.3 | 1270.9 | 1239.8 | 1264.3 | 1230.9 |
| 37.5° | 1422.0 | 1422.0 | 1437.7 | 1444.3 | 1395.4 | 1395.4 | 1368.7 | 1350.9 | 1322.1 | 1331.0 | 1297.6 |
| 40° | 1495.3 | 1502.0 | 1537.6 | 1557.5 | 1513.1 | 1495.3 | 1473.2 | 1457.6 | 1435.4 | 1435.4 | 1402.1 |
| 42.5° | 1579.8 | 1593.1 | 1635.4 | 1673.1 | 1648.7 | 1622.0 | 1599.8 | 1584.2 | 1573.1 | 1570.9 | 1535.3 |
| 45° | 1684.3 | 1699.8 | 1746.5 | 1782.0 | 1788.6 | 1768.7 | 1750.9 | 1735.3 | 1726.4 | 1722.0 | 1690.9 |
| 47.5° | 1802.0 | 1817.6 | 1859.8 | 1902.0 | 1933.1 | 1928.7 | 1908.6 | 1893.1 | 1899.7 | 1895.3 | 1875.4 |
| 50° | 1933.1 | 1942.0 | 1968.7 | 2017.6 | 2088.7 | 2104.2 | 2099.7 | 2088.7 | 2102.0 | 2102.0 | 2084.2 |
| 52.5° | 2037.5 | 2044.2 | 2064.2 | 2122.0 | 2239.8 | 2275.2 | 2304.2 | 2326.4 | 2348.6 | 2361.9 | 2350.8 |
| 55° | 2133.1 | 2133.1 | 2135.3 | 2208.7 | 2384.2 | 2441.9 | 2506.3 | 2553.0 | 2581.9 | 2635.2 | 2657.4 |
| 57.5° | 2288.6 | 2277.5 | 2275.2 | 2353.1 | 2557.5 | 2617.4 | 2710.8 | 2777.4 | 2817.4 | 2926.4 | 2924.1 |
| 60° | 2244.1 | 2248.7 | 2328.6 | 2557.5 | 2913.0 | 2966.4 | 3050.7 | 3121.8 | 3197.4 | 3277.4 | 3284.1 |
| 62.5° | 1935.3 | 1946.5 | 2066.5 | 2408.6 | 3139.6 | 3417.4 | 3677.3 | 3875.0 | 3986.2 | 4057.3 | 3959.5 |
| 65° | 1355.4 | 1382.0 | 1544.2 | 1962.0 | 2890.8 | 3319.6 | 3730.7 | 4188.4 | 4539.4 | 5083.9 | 5241.6 |
| 67.5° | 675.5 | 695.5 | 722.1 | 1028.8 | 2159.8 | 2761.9 | 3328.5 | 3952.9 | 4419.5 | 5219.4 | 5666.0 |
| 70° | 484.4 | 493.3 | 513.3 | 577.7 | 966.6 | 1446.5 | 2113.1 | 3006.4 | 3555.2 | 4761.6 | 5392.7 |
| 72.5° | 375.5 | 384.4 | 411.0 | 502.2 | 640.0 | 706.6 | 839.9 | 1373.2 | 2042.0 | 3288.5 | 4141.7 |
| 75° | 291.0 | 304.4 | 342.2 | 453.3 | 615.5 | 653.3 | 659.9 | 708.8 | 808.7 | 1459.9 | 2321.9 |
| 77.5° | 204.4 | 206.6 | 244.4 | 391.1 | 597.7 | 671.1 | 659.9 | 659.9 | 673.2 | 744.4 | 993.2 |
| 80° | 135.5 | 137.8 | 162.2 | 271.1 | 524.4 | 611.0 | 675.5 | 644.4 | 646.6 | 657.7 | 675.5 |
| 82.5° | 71.1 | 75.6 | 95.5 | 164.4 | 306.7 | 413.3 | 562.1 | 586.6 | 577.7 | 588.8 | 584.4 |
| 85° | 19.9 | 19.9 | 33.3 | 62.2 | 151.1 | 160.0 | 248.9 | 339.9 | 346.6 | 393.3 | 419.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 8.9 | 19.9 | 22.2 |
| 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 | 3.1 | 4.1 | 5.3 | 6.6 | 8.0 | 9.2 | 10.2 | 11.3 |
| 100° | 8.2 | 8.2 | 10.2 | 14.3 | 22.5 | 24.6 | 26.6 | 28.6 | 30.7 | 31.2 | 31.7 |
| 102.5° | 28.6 | 28.6 | 32.7 | 38.9 | 46.0 | 47.3 | 48.6 | 49.9 | 51.1 | 51.4 | 51.7 |
| 105° | 55.2 | 55.2 | 57.3 | 62.4 | 67.5 | 68.5 | 69.6 | 70.6 | 71.6 | 71.8 | 72.1 |
| 107.5° | 79.8 | 78.8 | 81.8 | 85.9 | 90.0 | 90.8 | 91.6 | 92.3 | 93.1 | 93.6 | 94.1 |
| 110° | 103.3 | 104.3 | 105.4 | 108.4 | 112.5 | 113.0 | 113.5 | 114.1 | 114.6 | 115.1 | 115.6 |



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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 126.8 | 126.8 | 128.9 | 132.0 | 135.0 | 135.5 | 136.1 | 136.6 | 137.1 | 137.6 | 138.1 |
| 115° | 149.4 | 150.4 | 152.4 | 154.5 | 157.5 | 158.0 | 158.6 | 159.1 | 159.6 | 160.1 | 160.6 |
| 117.5° | 172.9 | 173.9 | 175.9 | 178.0 | 181.1 | 181.6 | 182.1 | 182.6 | 183.1 | 183.3 | 183.6 |
| 120° | 197.4 | 199.5 | 200.5 | 202.5 | 205.6 | 205.8 | 206.1 | 206.4 | 206.6 | 207.1 | 207.7 |
| 122.5° | 224.0 | 225.0 | 226.1 | 228.1 | 231.2 | 231.4 | 231.7 | 232.0 | 232.2 | 232.4 | 232.7 |
| 125° | 249.6 | 251.6 | 252.7 | 253.7 | 256.8 | 257.0 | 257.3 | 257.6 | 257.8 | 258.0 | 258.3 |
| 127.5° | 273.1 | 275.2 | 276.2 | 278.2 | 280.3 | 280.8 | 281.3 | 281.8 | 282.3 | 282.8 | 283.4 |
| 130° | 296.7 | 298.7 | 299.7 | 300.7 | 304.8 | 305.0 | 305.4 | 305.7 | 305.9 | 306.4 | 306.9 |
| 132.5° | 320.2 | 321.2 | 324.3 | 325.3 | 328.4 | 328.6 | 328.9 | 329.2 | 329.4 | 330.2 | 330.9 |
| 135° | 343.7 | 344.7 | 346.8 | 348.8 | 352.9 | 352.9 | 352.9 | 352.9 | 352.9 | 353.7 | 354.5 |
| 137.5° | 367.2 | 368.3 | 371.3 | 372.4 | 375.4 | 375.4 | 375.4 | 375.4 | 375.4 | 375.9 | 376.4 |
| 140° | 390.8 | 391.8 | 393.8 | 394.9 | 396.9 | 397.1 | 397.4 | 397.7 | 397.9 | 398.1 | 398.4 |
| 142.5° | 413.3 | 415.3 | 417.4 | 416.3 | 419.4 | 419.4 | 419.4 | 419.4 | 419.4 | 419.9 | 420.4 |
| 145° | 434.8 | 435.8 | 437.8 | 437.8 | 440.9 | 441.1 | 441.4 | 441.7 | 441.9 | 442.4 | 442.9 |
| 147.5° | 454.2 | 454.2 | 457.3 | 458.3 | 462.4 | 462.6 | 462.9 | 463.2 | 463.4 | 463.6 | 463.9 |
| 150° | 471.6 | 472.6 | 474.6 | 475.7 | 479.8 | 480.0 | 480.3 | 480.6 | 480.8 | 481.0 | 481.3 |
| 152.5° | 490.0 | 491.0 | 494.1 | 493.1 | 496.1 | 496.3 | 496.6 | 496.9 | 497.2 | 497.4 | 497.7 |
| 155° | 510.5 | 511.5 | 513.5 | 512.5 | 514.5 | 514.5 | 514.5 | 514.5 | 514.5 | 514.7 | 515.1 |
| 157.5° | 524.8 | 526.8 | 528.9 | 527.8 | 530.9 | 530.9 | 530.9 | 530.9 | 530.9 | 530.9 | 530.9 |
| 160° | 537.0 | 539.1 | 541.1 | 541.1 | 544.2 | 544.2 | 544.2 | 544.2 | 544.2 | 544.2 | 544.2 |
| 162.5° | 547.3 | 548.3 | 551.4 | 550.3 | 553.4 | 553.4 | 553.4 | 553.4 | 553.4 | 553.6 | 553.9 |
| 165° | 558.5 | 559.6 | 561.6 | 560.6 | 564.7 | 564.7 | 564.7 | 564.7 | 564.7 | 564.9 | 565.2 |
| 167.5° | 567.7 | 568.8 | 571.8 | 570.8 | 573.9 | 573.7 | 573.4 | 573.1 | 572.9 | 572.9 | 572.9 |
| 170° | 574.9 | 575.9 | 579.0 | 578.0 | 580.0 | 579.8 | 579.5 | 579.2 | 579.0 | 578.8 | 578.5 |
| 172.5° | 578.0 | 579.0 | 582.1 | 580.0 | 582.1 | 581.9 | 581.5 | 581.2 | 581.0 | 581.2 | 581.5 |
| 175° | 580.0 | 582.1 | 583.1 | 582.1 | 585.1 | 585.1 | 585.1 | 585.1 | 585.1 | 585.3 | 585.6 |
| 177.5° | 585.1 | 586.2 | 588.2 | 587.2 | 591.3 | 591.1 | 590.8 | 590.4 | 590.2 | 590.2 | 590.2 |
| 180° | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 |



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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 59° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 |
| 2.5° | 1710.9 | 1702.0 | 1699.8 | 1695.3 | 1697.6 | 1690.9 | 1688.7 | 1679.8 | 1679.8 | 1675.4 | 1670.9 |
| 5° | 1722.0 | 1713.1 | 1722.0 | 1706.5 | 1708.6 | 1702.0 | 1690.9 | 1690.9 | 1682.0 | 1675.4 | 1662.0 |
| 7.5° | 1690.9 | 1690.9 | 1693.1 | 1684.3 | 1686.4 | 1684.3 | 1670.9 | 1668.6 | 1655.3 | 1655.3 | 1639.8 |
| 10° | 1633.1 | 1633.1 | 1642.0 | 1635.4 | 1637.5 | 1635.4 | 1628.7 | 1626.5 | 1622.0 | 1622.0 | 1597.5 |
| 12.5° | 1566.4 | 1579.8 | 1593.1 | 1586.5 | 1586.5 | 1590.9 | 1590.9 | 1593.1 | 1590.9 | 1588.7 | 1568.7 |
| 15° | 1510.9 | 1530.9 | 1544.2 | 1542.0 | 1544.2 | 1555.4 | 1559.8 | 1562.0 | 1568.7 | 1566.4 | 1548.7 |
| 17.5° | 1459.9 | 1482.1 | 1493.2 | 1502.0 | 1508.8 | 1517.5 | 1530.9 | 1537.6 | 1546.5 | 1544.2 | 1526.4 |
| 20° | 1413.2 | 1433.2 | 1453.2 | 1464.3 | 1466.5 | 1484.3 | 1499.9 | 1519.8 | 1524.3 | 1528.7 | 1506.5 |
| 22.5° | 1364.3 | 1382.0 | 1422.0 | 1415.4 | 1430.9 | 1464.3 | 1473.2 | 1502.0 | 1502.0 | 1517.5 | 1486.4 |
| 25° | 1322.1 | 1324.3 | 1386.5 | 1375.4 | 1388.8 | 1448.7 | 1455.4 | 1506.5 | 1493.2 | 1515.4 | 1479.8 |
| 27.5° | 1279.8 | 1277.7 | 1353.2 | 1339.9 | 1355.4 | 1437.7 | 1442.1 | 1513.1 | 1499.9 | 1526.4 | 1479.8 |
| 30° | 1248.7 | 1242.1 | 1328.7 | 1302.1 | 1324.3 | 1426.5 | 1428.8 | 1519.8 | 1508.8 | 1544.2 | 1495.3 |
| 32.5° | 1242.1 | 1230.9 | 1306.5 | 1286.5 | 1308.8 | 1415.4 | 1428.8 | 1544.2 | 1530.9 | 1575.3 | 1513.1 |
| 35° | 1270.9 | 1253.2 | 1317.7 | 1299.9 | 1317.7 | 1419.9 | 1439.8 | 1582.0 | 1566.4 | 1617.6 | 1555.4 |
| 37.5° | 1324.3 | 1310.9 | 1364.3 | 1346.5 | 1359.8 | 1451.0 | 1468.8 | 1630.9 | 1628.7 | 1690.9 | 1619.8 |
| 40° | 1417.6 | 1404.3 | 1446.5 | 1422.0 | 1433.2 | 1517.5 | 1526.4 | 1699.8 | 1706.5 | 1782.0 | 1710.9 |
| 42.5° | 1544.2 | 1522.0 | 1555.4 | 1526.4 | 1542.0 | 1617.6 | 1608.7 | 1784.2 | 1804.2 | 1908.6 | 1826.5 |
| 45° | 1706.5 | 1677.5 | 1697.6 | 1666.5 | 1677.5 | 1742.0 | 1717.5 | 1897.6 | 1917.5 | 2046.4 | 1973.1 |
| 47.5° | 1884.2 | 1848.7 | 1873.1 | 1833.1 | 1839.8 | 1908.6 | 1864.2 | 2033.1 | 2064.2 | 2226.4 | 2155.3 |
| 50° | 2097.6 | 2050.9 | 2059.7 | 2022.0 | 2026.5 | 2095.3 | 2046.4 | 2199.8 | 2237.5 | 2417.4 | 2355.2 |
| 52.5° | 2370.8 | 2304.2 | 2304.2 | 2253.0 | 2255.3 | 2324.1 | 2264.2 | 2397.5 | 2439.7 | 2621.9 | 2579.7 |
| 55° | 2730.8 | 2677.5 | 2666.3 | 2613.0 | 2595.2 | 2608.5 | 2524.1 | 2617.4 | 2664.2 | 2835.2 | 2801.9 |
| 57.5° | 3017.4 | 3010.7 | 3044.1 | 2968.5 | 2950.8 | 2955.2 | 2848.5 | 2855.3 | 2908.6 | 3041.8 | 3053.0 |
| 60° | 3366.2 | 3377.4 | 3381.8 | 3319.6 | 3312.9 | 3250.7 | 3141.9 | 3124.1 | 3190.7 | 3281.8 | 3317.4 |
| 62.5° | 3921.8 | 3910.6 | 3855.1 | 3808.4 | 3766.2 | 3599.6 | 3539.6 | 3441.8 | 3535.1 | 3586.3 | 3659.6 |
| 65° | 5115.0 | 4999.4 | 4643.9 | 4675.0 | 4563.9 | 4201.7 | 4150.6 | 3952.9 | 4099.5 | 4101.7 | 4239.5 |
| 67.5° | 6297.0 | 6523.7 | 6305.9 | 6310.4 | 6059.2 | 5403.8 | 5246.0 | 4852.8 | 4934.9 | 4839.4 | 4910.5 |
| 70° | 6499.2 | 6816.9 | 7412.4 | 7305.8 | 7292.4 | 6788.1 | 6257.0 | 5601.6 | 5354.9 | 5150.5 | 4986.1 |
| 72.5° | 5592.7 | 5910.4 | 6783.6 | 6541.5 | 6632.5 | 6785.8 | 6232.6 | 5741.5 | 5190.5 | 4930.5 | 4575.0 |
| 75° | 3935.1 | 4392.8 | 5279.3 | 5152.7 | 5219.4 | 5472.7 | 4997.2 | 4939.4 | 4301.7 | 4128.4 | 3581.8 |
| 77.5° | 2108.6 | 2675.2 | 3668.4 | 3512.9 | 3541.8 | 3686.2 | 3190.7 | 3088.5 | 2473.1 | 2301.9 | 1682.0 |
| 80° | 948.8 | 1315.4 | 2059.7 | 1886.4 | 1835.4 | 1753.1 | 1291.0 | 1017.6 | 622.2 | 413.3 | 286.6 |
| 82.5° | 628.8 | 653.3 | 913.2 | 791.0 | 739.9 | 611.0 | 395.5 | 233.3 | 184.4 | 155.5 | 148.8 |
| 85° | 422.2 | 386.6 | 384.4 | 339.9 | 315.5 | 248.9 | 184.4 | 115.5 | 95.5 | 80.0 | 73.3 |
| 87.5° | 24.4 | 15.5 | 22.2 | 24.4 | 17.8 | 15.5 | 11.2 | 0.0 | 2.3 | 0.0 | 2.3 |
| 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° | 12.3 | 13.3 | 11.8 | 10.8 | 10.2 | 8.7 | 7.2 | 6.6 | 6.1 | 5.6 | 5.1 |
| 100° | 32.2 | 32.7 | 32.2 | 31.9 | 31.7 | 31.2 | 30.7 | 29.9 | 29.2 | 28.4 | 27.6 |
| 102.5° | 52.0 | 52.2 | 52.0 | 51.8 | 51.7 | 51.4 | 51.1 | 50.6 | 50.1 | 49.6 | 49.1 |
| 105° | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.1 | 71.6 | 71.1 | 70.6 |
| 107.5° | 94.6 | 95.1 | 94.9 | 94.7 | 94.6 | 94.3 | 94.1 | 93.9 | 93.6 | 93.3 | 93.1 |
| 110° | 116.1 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.4 | 116.1 | 115.8 | 115.6 |



REPORT NUMBER: P228265

CATALOG NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 59° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 138.6 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 139.1 | 138.9 | 138.6 | 138.3 | 138.1 |
| 115° | 161.1 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 |
| 117.5° | 183.9 | 184.1 | 184.3 | 184.5 | 184.6 | 184.9 | 185.2 | 184.9 | 184.6 | 184.3 | 184.1 |
| 120° | 208.2 | 208.7 | 208.7 | 208.7 | 208.7 | 208.7 | 208.7 | 208.7 | 208.7 | 208.7 | 208.7 |
| 122.5° | 233.0 | 233.2 | 233.2 | 233.2 | 233.2 | 233.2 | 233.2 | 233.4 | 233.7 | 234.1 | 234.3 |
| 125° | 258.6 | 258.8 | 259.0 | 259.2 | 259.3 | 259.6 | 259.8 | 259.8 | 259.8 | 259.8 | 259.8 |
| 127.5° | 283.9 | 284.4 | 284.2 | 284.0 | 283.9 | 283.6 | 283.4 | 283.6 | 283.9 | 284.2 | 284.4 |
| 130° | 307.4 | 307.9 | 307.9 | 307.9 | 307.9 | 307.9 | 307.9 | 308.1 | 308.4 | 308.7 | 308.9 |
| 132.5° | 331.6 | 332.5 | 332.5 | 332.5 | 332.5 | 332.5 | 332.5 | 332.7 | 333.0 | 333.3 | 333.5 |
| 135° | 355.2 | 356.0 | 356.0 | 356.0 | 356.0 | 356.0 | 356.0 | 356.2 | 356.5 | 356.8 | 357.0 |
| 137.5° | 377.0 | 377.5 | 377.5 | 377.5 | 377.5 | 377.5 | 377.5 | 377.7 | 378.0 | 378.3 | 378.5 |
| 140° | 398.7 | 399.0 | 399.0 | 399.0 | 399.0 | 399.0 | 399.0 | 399.5 | 400.0 | 400.5 | 401.0 |
| 142.5° | 420.9 | 421.5 | 421.5 | 421.5 | 421.5 | 421.5 | 421.5 | 421.7 | 422.0 | 422.3 | 422.5 |
| 145° | 443.4 | 444.0 | 443.8 | 443.6 | 443.4 | 443.1 | 442.9 | 443.1 | 443.4 | 443.8 | 444.0 |
| 147.5° | 464.2 | 464.4 | 463.9 | 463.6 | 463.4 | 462.9 | 462.4 | 462.6 | 462.9 | 463.2 | 463.4 |
| 150° | 481.6 | 481.8 | 481.3 | 481.0 | 480.8 | 480.3 | 479.8 | 479.8 | 479.8 | 479.8 | 479.8 |
| 152.5° | 498.0 | 498.2 | 498.0 | 497.8 | 497.7 | 497.4 | 497.2 | 497.2 | 497.2 | 497.2 | 497.2 |
| 155° | 515.4 | 515.6 | 515.4 | 515.2 | 515.1 | 514.7 | 514.5 | 514.7 | 515.1 | 515.4 | 515.6 |
| 157.5° | 530.9 | 530.9 | 530.4 | 530.1 | 529.9 | 529.4 | 528.9 | 529.1 | 529.4 | 529.7 | 529.9 |
| 160° | 544.2 | 544.2 | 543.7 | 543.4 | 543.2 | 542.7 | 542.2 | 542.2 | 542.2 | 542.2 | 542.2 |
| 162.5° | 554.2 | 554.4 | 553.9 | 553.6 | 553.4 | 552.9 | 552.4 | 551.9 | 551.4 | 550.9 | 550.3 |
| 165° | 565.5 | 565.7 | 564.9 | 564.5 | 564.2 | 563.4 | 562.6 | 562.1 | 561.6 | 561.1 | 560.6 |
| 167.5° | 572.9 | 572.9 | 572.3 | 572.0 | 571.8 | 571.3 | 570.8 | 571.0 | 571.3 | 571.6 | 571.8 |
| 170° | 578.2 | 578.0 | 577.8 | 577.6 | 577.5 | 577.1 | 576.9 | 577.5 | 578.0 | 578.5 | 579.0 |
| 172.5° | 581.9 | 582.1 | 581.5 | 581.2 | 581.0 | 580.5 | 580.0 | 580.2 | 580.5 | 580.8 | 581.0 |
| 175° | 585.9 | 586.2 | 585.3 | 584.9 | 584.6 | 583.9 | 583.1 | 582.6 | 582.1 | 581.5 | 581.0 |
| 177.5° | 590.2 | 590.2 | 589.4 | 589.0 | 588.7 | 588.0 | 587.2 | 587.2 | 587.2 | 587.2 | 587.2 |
| 180° | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 |



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CATALOG NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 |
| 2.5° | 1659.8 | 1659.8 | 1657.6 | 1642.0 | 1633.1 | 1628.7 | 1613.1 | 1610.9 | 1604.3 | 1602.0 | 1602.0 |
| 5° | 1657.6 | 1648.7 | 1637.5 | 1615.3 | 1593.1 | 1573.1 | 1566.4 | 1550.9 | 1539.8 | 1526.4 | 1526.4 |
| 7.5° | 1626.5 | 1617.6 | 1593.1 | 1559.8 | 1530.9 | 1502.0 | 1486.4 | 1464.3 | 1446.5 | 1428.8 | 1424.3 |
| 10° | 1590.9 | 1577.6 | 1544.2 | 1499.9 | 1462.0 | 1411.0 | 1390.9 | 1362.1 | 1342.1 | 1315.4 | 1288.7 |
| 12.5° | 1553.1 | 1544.2 | 1504.2 | 1453.2 | 1395.4 | 1331.0 | 1299.9 | 1259.9 | 1233.2 | 1202.1 | 1162.1 |
| 15° | 1537.6 | 1519.8 | 1468.8 | 1404.3 | 1333.2 | 1255.4 | 1211.0 | 1168.7 | 1128.7 | 1093.2 | 1039.8 |
| 17.5° | 1517.5 | 1495.3 | 1437.7 | 1362.1 | 1273.2 | 1179.9 | 1122.1 | 1075.4 | 1022.1 | 984.3 | 924.3 |
| 20° | 1495.3 | 1462.0 | 1399.8 | 1308.8 | 1208.7 | 1097.6 | 1024.3 | 977.6 | 906.5 | 868.8 | 797.7 |
| 22.5° | 1477.6 | 1435.4 | 1359.8 | 1257.6 | 1137.6 | 1013.2 | 926.6 | 873.2 | 793.2 | 748.8 | 659.9 |
| 25° | 1473.2 | 1422.0 | 1331.0 | 1215.4 | 1077.7 | 931.0 | 826.5 | 773.2 | 673.2 | 622.2 | 517.7 |
| 27.5° | 1475.4 | 1415.4 | 1313.2 | 1179.9 | 1024.3 | 857.6 | 733.3 | 671.1 | 544.4 | 491.0 | 371.0 |
| 30° | 1477.6 | 1417.6 | 1295.4 | 1148.8 | 975.5 | 782.1 | 635.5 | 562.1 | 411.0 | 364.4 | 257.8 |
| 32.5° | 1499.9 | 1426.5 | 1291.0 | 1124.3 | 931.0 | 706.6 | 524.4 | 457.8 | 291.0 | 264.4 | 191.1 |
| 35° | 1526.4 | 1455.4 | 1299.9 | 1119.8 | 897.6 | 631.1 | 411.0 | 342.2 | 208.9 | 202.2 | 155.5 |
| 37.5° | 1582.0 | 1499.9 | 1335.4 | 1131.0 | 877.7 | 553.3 | 306.7 | 262.2 | 164.4 | 168.9 | 135.5 |
| 40° | 1666.5 | 1575.3 | 1393.2 | 1164.3 | 875.4 | 475.5 | 226.7 | 204.4 | 142.2 | 146.7 | 124.4 |
| 42.5° | 1779.8 | 1679.8 | 1482.1 | 1235.4 | 886.6 | 402.2 | 182.2 | 175.5 | 131.1 | 135.5 | 120.0 |
| 45° | 1928.7 | 1826.5 | 1606.4 | 1326.5 | 917.7 | 342.2 | 160.0 | 160.0 | 126.6 | 131.1 | 117.7 |
| 47.5° | 2117.5 | 2004.2 | 1759.8 | 1448.7 | 966.6 | 308.8 | 151.1 | 153.3 | 124.4 | 131.1 | 117.7 |
| 50° | 2330.8 | 2206.4 | 1955.4 | 1606.4 | 1042.1 | 299.9 | 153.3 | 153.3 | 126.6 | 131.1 | 117.7 |
| 52.5° | 2553.0 | 2437.5 | 2166.4 | 1786.5 | 1146.5 | 320.0 | 157.7 | 155.5 | 126.6 | 131.1 | 115.5 |
| 55° | 2779.7 | 2675.2 | 2399.7 | 1997.5 | 1291.0 | 391.1 | 168.9 | 162.2 | 126.6 | 131.1 | 117.7 |
| 57.5° | 3006.4 | 2933.0 | 2644.1 | 2224.2 | 1470.9 | 520.0 | 213.3 | 188.8 | 139.9 | 142.2 | 120.0 |
| 60° | 3261.8 | 3208.5 | 2919.6 | 2521.9 | 1726.4 | 720.0 | 313.3 | 237.7 | 166.6 | 157.7 | 128.9 |
| 62.5° | 3592.9 | 3579.6 | 3350.7 | 2950.8 | 2137.6 | 1008.7 | 444.4 | 288.9 | 179.9 | 164.4 | 137.8 |
| 65° | 4177.3 | 4212.8 | 3995.0 | 3452.9 | 2410.8 | 1015.5 | 433.3 | 253.3 | 168.9 | 155.5 | 135.5 |
| 67.5° | 4763.9 | 4659.4 | 4099.5 | 3377.4 | 2175.3 | 675.5 | 275.5 | 197.7 | 148.8 | 144.4 | 126.6 |
| 70° | 4741.7 | 4457.2 | 3717.3 | 2953.0 | 1717.5 | 366.6 | 200.0 | 164.4 | 133.3 | 133.3 | 120.0 |
| 72.5° | 4252.8 | 3830.6 | 3039.6 | 2337.5 | 1146.5 | 233.3 | 168.9 | 144.4 | 122.2 | 120.0 | 111.1 |
| 75° | 3201.8 | 2704.2 | 1953.1 | 1346.5 | 511.1 | 151.1 | 128.9 | 117.7 | 106.7 | 106.7 | 97.8 |
| 77.5° | 1506.5 | 848.7 | 471.1 | 313.3 | 171.1 | 102.2 | 88.9 | 88.9 | 86.6 | 88.9 | 80.0 |
| 80° | 204.4 | 184.4 | 157.7 | 137.8 | 104.4 | 71.1 | 64.4 | 66.7 | 64.4 | 66.7 | 59.9 |
| 82.5° | 124.4 | 111.1 | 91.1 | 86.6 | 64.4 | 48.9 | 46.6 | 48.9 | 44.4 | 46.6 | 35.6 |
| 85° | 59.9 | 53.3 | 42.2 | 40.0 | 33.3 | 28.8 | 24.4 | 28.8 | 22.2 | 24.4 | 15.5 |
| 87.5° | 0.0 | 4.4 | 2.3 | 4.4 | 4.4 | 4.4 | 0.0 | 4.4 | 0.0 | 4.4 | 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° | 4.9 | 4.6 | 4.1 | 4.1 | 4.1 | 4.6 | 4.9 | 5.1 | 5.6 | 6.1 | 6.6 |
| 100° | 27.4 | 27.1 | 26.6 | 25.6 | 26.6 | 27.1 | 27.4 | 27.6 | 28.4 | 29.2 | 29.9 |
| 102.5° | 49.3 | 49.6 | 50.1 | 49.1 | 50.1 | 49.6 | 49.3 | 49.1 | 49.6 | 50.1 | 50.6 |
| 105° | 71.1 | 71.6 | 72.6 | 70.6 | 72.6 | 71.6 | 71.1 | 70.6 | 71.1 | 71.6 | 72.1 |
| 107.5° | 93.3 | 93.6 | 94.1 | 93.1 | 94.1 | 93.6 | 93.3 | 93.1 | 93.3 | 93.6 | 93.9 |
| 110° | 115.8 | 116.1 | 116.6 | 115.6 | 116.6 | 116.1 | 115.8 | 115.6 | 115.8 | 116.1 | 116.4 |



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 CATALOG NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° | |
|--------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--------|
| 112.5° | 138.6 | 139.1 | 140.1 | 138.1 | 140.1 | 139.1 | 138.6 | 138.1 | 138.3 | 138.6 | 138.9 | 0° |
| 115° | 162.1 | 162.6 | 163.7 | 162.6 | 163.7 | 162.6 | 162.1 | 161.6 | 161.6 | 161.6 | 161.6 | 2.5° |
| 117.5° | 184.6 | 185.2 | 186.2 | 184.1 | 186.2 | 185.2 | 184.6 | 184.1 | 184.3 | 184.6 | 184.9 | 5° |
| 120° | 209.2 | 209.7 | 210.7 | 208.7 | 210.7 | 209.7 | 209.2 | 208.7 | 208.7 | 208.7 | 208.7 | 7.5° |
| 122.5° | 235.3 | 236.3 | 238.3 | 237.3 | 238.3 | 236.3 | 235.3 | 234.3 | 234.1 | 233.7 | 233.4 | 10° |
| 125° | 260.6 | 261.4 | 262.9 | 261.9 | 262.9 | 261.4 | 260.6 | 259.8 | 259.8 | 259.8 | 259.8 | 12.5° |
| 127.5° | 285.2 | 285.9 | 287.4 | 284.4 | 287.4 | 285.9 | 285.2 | 284.4 | 284.2 | 283.9 | 283.6 | 15° |
| 130° | 309.7 | 310.5 | 312.0 | 310.0 | 312.0 | 310.5 | 309.7 | 308.9 | 308.7 | 308.4 | 308.1 | 17.5° |
| 132.5° | 334.3 | 335.0 | 336.6 | 334.5 | 336.6 | 335.0 | 334.3 | 333.5 | 333.3 | 333.0 | 332.7 | 20° |
| 135° | 357.5 | 358.0 | 359.1 | 358.0 | 359.1 | 358.0 | 357.5 | 357.0 | 356.8 | 356.5 | 356.2 | 22.5° |
| 137.5° | 379.5 | 380.5 | 382.6 | 380.5 | 382.6 | 380.5 | 379.5 | 378.5 | 378.3 | 378.0 | 377.7 | 25° |
| 140° | 402.0 | 403.0 | 405.1 | 403.0 | 405.1 | 403.0 | 402.0 | 401.0 | 400.5 | 400.0 | 399.5 | 27.5° |
| 142.5° | 423.3 | 424.0 | 425.5 | 424.5 | 425.5 | 424.0 | 423.3 | 422.5 | 422.3 | 422.0 | 421.7 | 30° |
| 145° | 444.8 | 445.5 | 447.0 | 445.0 | 447.0 | 445.5 | 444.8 | 444.0 | 443.8 | 443.4 | 443.1 | 32.5° |
| 147.5° | 464.2 | 464.9 | 466.5 | 463.4 | 466.5 | 464.9 | 464.2 | 463.4 | 463.2 | 462.9 | 462.6 | 35° |
| 150° | 480.8 | 481.8 | 483.9 | 480.8 | 483.9 | 481.8 | 480.8 | 479.8 | 479.8 | 479.8 | 479.8 | 37.5° |
| 152.5° | 498.0 | 498.7 | 500.2 | 497.2 | 500.2 | 498.7 | 498.0 | 497.2 | 497.2 | 497.2 | 497.2 | 40° |
| 155° | 516.4 | 517.1 | 518.6 | 516.6 | 518.6 | 517.1 | 516.4 | 515.6 | 515.4 | 515.1 | 514.7 | 42.5° |
| 157.5° | 531.1 | 532.4 | 535.0 | 531.9 | 535.0 | 532.4 | 531.1 | 529.9 | 529.7 | 529.4 | 529.1 | 45° |
| 160° | 543.0 | 543.7 | 545.2 | 543.2 | 545.2 | 543.7 | 543.0 | 542.2 | 542.2 | 542.2 | 542.2 | 47.5° |
| 162.5° | 550.9 | 551.4 | 552.4 | 549.3 | 552.4 | 551.4 | 550.9 | 550.3 | 550.9 | 551.4 | 551.9 | 50° |
| 165° | 561.1 | 561.6 | 562.6 | 560.6 | 562.6 | 561.6 | 561.1 | 560.6 | 561.1 | 561.6 | 562.1 | 52.5° |
| 167.5° | 572.9 | 573.9 | 575.9 | 573.9 | 575.9 | 573.9 | 572.9 | 571.8 | 571.6 | 571.3 | 571.0 | 55° |
| 170° | 580.2 | 581.5 | 584.1 | 582.1 | 584.1 | 581.5 | 580.2 | 579.0 | 578.5 | 578.0 | 577.5 | 57.5° |
| 172.5° | 581.9 | 582.6 | 584.1 | 581.0 | 584.1 | 582.6 | 581.9 | 581.0 | 580.8 | 580.5 | 580.2 | 60° |
| 175° | 581.9 | 582.6 | 584.1 | 581.0 | 584.1 | 582.6 | 581.9 | 581.0 | 581.5 | 582.1 | 582.6 | 62.5° |
| 177.5° | 588.0 | 588.7 | 590.2 | 587.2 | 590.2 | 588.7 | 588.0 | 587.2 | 587.2 | 587.2 | 587.2 | 65° |
| 180° | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
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| | | | | | | | | | | | | 82.5° |
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| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
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| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

NUMBER: P228265
 NUMBER: ISC-AF-1200-LED-E1-SL3-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° | 115° | 115° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 1657.6 | 112.5° | 139.1 |
| 1590.9 | 1584.2 | 1582.0 | 1573.1 | 1570.9 | 1562.0 | 1559.8 | 1550.9 | 1535.3 | 1528.7 | 1517.5 | 115° | 161.6 |
| 1506.5 | 1495.3 | 1486.4 | 1482.1 | 1464.3 | 1455.4 | 1442.1 | 1424.3 | 1390.9 | 1375.4 | 1348.8 | 117.5° | 185.2 |
| 1388.8 | 1386.5 | 1359.8 | 1350.9 | 1328.7 | 1313.2 | 1293.2 | 1264.3 | 1215.4 | 1186.5 | 1144.3 | 120° | 208.7 |
| 1259.9 | 1251.0 | 1219.9 | 1202.1 | 1173.2 | 1150.9 | 1124.3 | 1082.1 | 1006.6 | 946.5 | 882.1 | 122.5° | 233.2 |
| 1139.9 | 1113.2 | 1077.7 | 1051.0 | 1015.5 | 984.3 | 953.2 | 888.7 | 768.7 | 671.1 | 582.2 | 125° | 259.8 |
| 1015.5 | 975.5 | 937.6 | 893.2 | 855.5 | 806.6 | 771.0 | 686.6 | 528.9 | 408.9 | 353.3 | 127.5° | 283.4 |
| 888.7 | 833.2 | 791.0 | 731.0 | 688.9 | 622.2 | 584.4 | 482.1 | 346.6 | 293.3 | 275.5 | 130° | 307.9 |
| 755.4 | 682.1 | 635.5 | 562.1 | 520.0 | 435.5 | 406.6 | 333.3 | 266.7 | 246.6 | 242.2 | 132.5° | 332.5 |
| 613.3 | 524.4 | 473.3 | 393.3 | 364.4 | 313.3 | 291.0 | 255.5 | 224.4 | 215.5 | 219.9 | 135° | 356.0 |
| 464.4 | 368.9 | 335.5 | 277.7 | 266.7 | 240.0 | 231.1 | 213.3 | 197.7 | 197.7 | 204.4 | 137.5° | 377.5 |
| 331.0 | 257.8 | 248.9 | 213.3 | 211.0 | 197.7 | 191.1 | 182.2 | 177.8 | 182.2 | 191.1 | 140° | 399.0 |
| 242.2 | 195.5 | 195.5 | 175.5 | 175.5 | 166.6 | 164.4 | 160.0 | 160.0 | 168.9 | 177.8 | 142.5° | 421.5 |
| 191.1 | 160.0 | 164.4 | 148.8 | 151.1 | 144.4 | 146.7 | 144.4 | 146.7 | 153.3 | 160.0 | 145° | 442.9 |
| 160.0 | 137.8 | 144.4 | 131.1 | 135.5 | 128.9 | 133.3 | 133.3 | 137.8 | 139.9 | 142.2 | 147.5° | 462.4 |
| 142.2 | 126.6 | 131.1 | 122.2 | 126.6 | 120.0 | 126.6 | 126.6 | 128.9 | 128.9 | 128.9 | 150° | 479.8 |
| 131.1 | 117.7 | 124.4 | 115.5 | 122.2 | 115.5 | 122.2 | 122.2 | 120.0 | 117.7 | 120.0 | 152.5° | 497.2 |
| 124.4 | 115.5 | 122.2 | 113.3 | 120.0 | 113.3 | 117.7 | 115.5 | 111.1 | 111.1 | 111.1 | 155° | 514.5 |
| 122.2 | 113.3 | 117.7 | 111.1 | 115.5 | 108.8 | 113.3 | 111.1 | 104.4 | 102.2 | 106.7 | 157.5° | 528.9 |
| 122.2 | 111.1 | 117.7 | 108.8 | 113.3 | 106.7 | 111.1 | 104.4 | 97.8 | 97.8 | 104.4 | 160° | 542.2 |
| 122.2 | 111.1 | 117.7 | 108.8 | 113.3 | 104.4 | 106.7 | 99.9 | 91.1 | 93.3 | 102.2 | 162.5° | 552.4 |
| 124.4 | 115.5 | 120.0 | 111.1 | 113.3 | 99.9 | 104.4 | 95.5 | 88.9 | 91.1 | 97.8 | 165° | 562.6 |
| 126.6 | 115.5 | 120.0 | 106.7 | 108.8 | 99.9 | 99.9 | 95.5 | 88.9 | 88.9 | 95.5 | 167.5° | 570.8 |
| 126.6 | 113.3 | 115.5 | 104.4 | 106.7 | 95.5 | 97.8 | 93.3 | 86.6 | 84.4 | 88.9 | 170° | 576.9 |
| 131.1 | 117.7 | 117.7 | 102.2 | 104.4 | 93.3 | 95.5 | 91.1 | 84.4 | 80.0 | 82.2 | 172.5° | 580.0 |
| 135.5 | 120.0 | 122.2 | 106.7 | 106.7 | 95.5 | 97.8 | 88.9 | 80.0 | 75.6 | 77.7 | 175° | 583.1 |
| 135.5 | 120.0 | 122.2 | 108.8 | 108.8 | 97.8 | 97.8 | 88.9 | 75.6 | 71.1 | 71.1 | 177.5° | 587.2 |
| 128.9 | 117.7 | 120.0 | 108.8 | 108.8 | 97.8 | 97.8 | 86.6 | 73.3 | 66.7 | 64.4 | 180° | 589.2 |
| 124.4 | 113.3 | 115.5 | 102.2 | 104.4 | 93.3 | 93.3 | 82.2 | 68.8 | 62.2 | 57.8 | | |
| 113.3 | 104.4 | 104.4 | 95.5 | 93.3 | 82.2 | 82.2 | 75.6 | 64.4 | 55.5 | 51.1 | | |
| 97.8 | 88.9 | 86.6 | 77.7 | 77.7 | 71.1 | 68.8 | 62.2 | 53.3 | 46.6 | 44.4 | | |
| 80.0 | 68.8 | 68.8 | 57.8 | 57.8 | 51.1 | 53.3 | 46.6 | 40.0 | 37.7 | 35.6 | | |
| 57.8 | 46.6 | 46.6 | 37.7 | 37.7 | 31.1 | 33.3 | 31.1 | 28.8 | 28.8 | 26.7 | | |
| 35.6 | 24.4 | 26.7 | 19.9 | 24.4 | 17.8 | 19.9 | 17.8 | 17.8 | 15.5 | 15.5 | | |
| 17.8 | 8.9 | 13.3 | 6.6 | 11.2 | 2.3 | 6.6 | 4.4 | 4.4 | 4.4 | 4.4 | | |
| 2.3 | 0.0 | 2.3 | 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 | 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 | | |
| 7.2 | 8.7 | 10.2 | 11.8 | 13.3 | 12.3 | 11.3 | 9.2 | 4.1 | 3.1 | 2.0 | | |
| 30.7 | 31.2 | 31.7 | 32.2 | 32.7 | 32.2 | 31.7 | 30.7 | 22.5 | 14.3 | 10.2 | | |
| 51.1 | 51.4 | 51.7 | 52.0 | 52.2 | 52.0 | 51.7 | 51.1 | 46.0 | 38.9 | 32.7 | | |
| 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.4 | 72.1 | 71.6 | 67.5 | 62.4 | 57.3 | | |
| 94.1 | 94.3 | 94.6 | 94.9 | 95.1 | 94.6 | 94.1 | 93.1 | 90.0 | 85.9 | 81.8 | | |
| 116.6 | 116.6 | 116.6 | 116.6 | 116.6 | 116.1 | 115.6 | 114.6 | 112.5 | 108.4 | 105.4 | | |

'228265
 ISC-AF-1200-LED-E1-SL3-ULG

REPORT NUMBER: P228265
 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° |
|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|--------|--------|
| 139.1 | 139.1 | 139.1 | 139.1 | 138.6 | 138.1 | 137.1 | 135.0 | 132.0 | 128.9 | 0° | 1657.6 | 1657.6 |
| 161.6 | 161.6 | 161.6 | 161.6 | 161.1 | 160.6 | 159.6 | 157.5 | 154.5 | 152.4 | 2.5° | 1506.5 | 1513.1 |
| 184.9 | 184.6 | 184.3 | 184.1 | 183.9 | 183.6 | 183.1 | 181.1 | 178.0 | 175.9 | 5° | 1339.9 | 1342.1 |
| 208.7 | 208.7 | 208.7 | 208.7 | 208.2 | 207.7 | 206.6 | 205.6 | 202.5 | 200.5 | 7.5° | 1137.6 | 1133.2 |
| 233.2 | 233.2 | 233.2 | 233.2 | 233.0 | 232.7 | 232.2 | 231.2 | 228.1 | 226.1 | 10° | 868.8 | 857.6 |
| 259.6 | 259.3 | 259.0 | 258.8 | 258.6 | 258.3 | 257.8 | 256.8 | 253.7 | 252.7 | 12.5° | 560.0 | 544.4 |
| 283.6 | 283.9 | 284.2 | 284.4 | 283.9 | 283.4 | 282.3 | 280.3 | 278.2 | 276.2 | 15° | 337.8 | 333.3 |
| 307.9 | 307.9 | 307.9 | 307.9 | 307.4 | 306.9 | 305.9 | 304.8 | 300.7 | 299.7 | 17.5° | 271.1 | 271.1 |
| 332.5 | 332.5 | 332.5 | 332.5 | 331.6 | 330.9 | 329.4 | 328.4 | 325.3 | 324.3 | 20° | 242.2 | 242.2 |
| 356.0 | 356.0 | 356.0 | 356.0 | 355.2 | 354.5 | 352.9 | 352.9 | 348.8 | 346.8 | 22.5° | 224.4 | 224.4 |
| 377.5 | 377.5 | 377.5 | 377.5 | 377.0 | 376.4 | 375.4 | 375.4 | 372.4 | 371.3 | 25° | 211.0 | 213.3 |
| 399.0 | 399.0 | 399.0 | 399.0 | 398.7 | 398.4 | 397.9 | 396.9 | 394.9 | 393.8 | 27.5° | 200.0 | 200.0 |
| 421.5 | 421.5 | 421.5 | 421.5 | 420.9 | 420.4 | 419.4 | 419.4 | 416.3 | 417.4 | 30° | 186.7 | 186.7 |
| 443.1 | 443.4 | 443.8 | 444.0 | 443.4 | 442.9 | 441.9 | 440.9 | 437.8 | 437.8 | 32.5° | 164.4 | 164.4 |
| 462.9 | 463.4 | 463.9 | 464.4 | 464.2 | 463.9 | 463.4 | 462.4 | 458.3 | 457.3 | 35° | 146.7 | 144.4 |
| 480.3 | 480.8 | 481.3 | 481.8 | 481.6 | 481.3 | 480.8 | 479.8 | 475.7 | 474.6 | 37.5° | 131.1 | 133.3 |
| 497.4 | 497.7 | 498.0 | 498.2 | 498.0 | 497.7 | 497.2 | 496.1 | 493.1 | 494.1 | 40° | 120.0 | 122.2 |
| 514.7 | 515.1 | 515.4 | 515.6 | 515.4 | 515.1 | 514.5 | 514.5 | 512.5 | 513.5 | 42.5° | 115.5 | 115.5 |
| 529.4 | 529.9 | 530.4 | 530.9 | 530.9 | 530.9 | 530.9 | 530.9 | 527.8 | 528.9 | 45° | 111.1 | 111.1 |
| 542.7 | 543.2 | 543.7 | 544.2 | 544.2 | 544.2 | 544.2 | 544.2 | 541.1 | 541.1 | 47.5° | 111.1 | 111.1 |
| 552.9 | 553.4 | 553.9 | 554.4 | 554.2 | 553.9 | 553.4 | 553.4 | 550.3 | 551.4 | 50° | 108.8 | 111.1 |
| 563.4 | 564.2 | 564.9 | 565.7 | 565.5 | 565.2 | 564.7 | 564.7 | 560.6 | 561.6 | 52.5° | 106.7 | 106.7 |
| 571.3 | 571.8 | 572.3 | 572.9 | 572.9 | 572.9 | 572.9 | 573.9 | 570.8 | 571.8 | 55° | 99.9 | 102.2 |
| 577.1 | 577.5 | 577.8 | 578.0 | 578.2 | 578.5 | 579.0 | 580.0 | 578.0 | 579.0 | 57.5° | 93.3 | 95.5 |
| 580.5 | 581.0 | 581.5 | 582.1 | 581.9 | 581.5 | 581.0 | 582.1 | 580.0 | 582.1 | 60° | 86.6 | 86.6 |
| 583.9 | 584.6 | 585.3 | 586.2 | 585.9 | 585.6 | 585.1 | 585.1 | 582.1 | 583.1 | 62.5° | 77.7 | 77.7 |
| 588.0 | 588.7 | 589.4 | 590.2 | 590.2 | 590.2 | 590.2 | 591.3 | 587.2 | 588.2 | 65° | 71.1 | 71.1 |
| 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 589.2 | 67.5° | 62.2 | 62.2 |
| | | | | | | | | | | 70° | 55.5 | 55.5 |
| | | | | | | | | | | 72.5° | 48.9 | 48.9 |
| | | | | | | | | | | 75° | 42.2 | 42.2 |
| | | | | | | | | | | 77.5° | 35.6 | 33.3 |
| | | | | | | | | | | 80° | 26.7 | 26.7 |
| | | | | | | | | | | 82.5° | 15.5 | 15.5 |
| | | | | | | | | | | 85° | 4.4 | 4.4 |
| | | | | | | | | | | 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° | 8.2 | 8.2 |
| | | | | | | | | | | 102.5° | 28.6 | 28.6 |
| | | | | | | | | | | 105° | 55.2 | 55.2 |
| | | | | | | | | | | 107.5° | 78.8 | 79.8 |
| | | | | | | | | | | 110° | 104.3 | 103.3 |



REPORT NUMBER: P228265

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

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|--------|-------|-------|
| 112.5° | 126.8 | 126.8 |
| 115° | 150.4 | 149.4 |
| 117.5° | 173.9 | 172.9 |
| 120° | 199.5 | 197.4 |
| 122.5° | 225.0 | 224.0 |
| 125° | 251.6 | 249.6 |
| 127.5° | 275.2 | 273.1 |
| 130° | 298.7 | 296.7 |
| 132.5° | 321.2 | 320.2 |
| 135° | 344.7 | 343.7 |
| 137.5° | 368.3 | 367.2 |
| 140° | 391.8 | 390.8 |
| 142.5° | 415.3 | 413.3 |
| 145° | 435.8 | 434.8 |
| 147.5° | 454.2 | 454.2 |
| 150° | 472.6 | 471.6 |
| 152.5° | 491.0 | 490.0 |
| 155° | 511.5 | 510.5 |
| 157.5° | 526.8 | 524.8 |
| 160° | 539.1 | 537.0 |
| 162.5° | 548.3 | 547.3 |
| 165° | 559.6 | 558.5 |
| 167.5° | 568.8 | 567.7 |
| 170° | 575.9 | 574.9 |
| 172.5° | 579.0 | 578.0 |
| 175° | 582.1 | 580.0 |
| 177.5° | 586.2 | 585.1 |
| 180° | 589.2 | 589.2 |

(END OF REPORT)

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

Scaled Data Report

