

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: P227991

Luminaire Tested: **ISC-AF-600-LED-E1-T4W-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29757)-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-600-LED-E1-T4W-8030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV WIDE, WITH UPLIGHT GLOW
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4615.2 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

Input Watts (W): 50.4
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

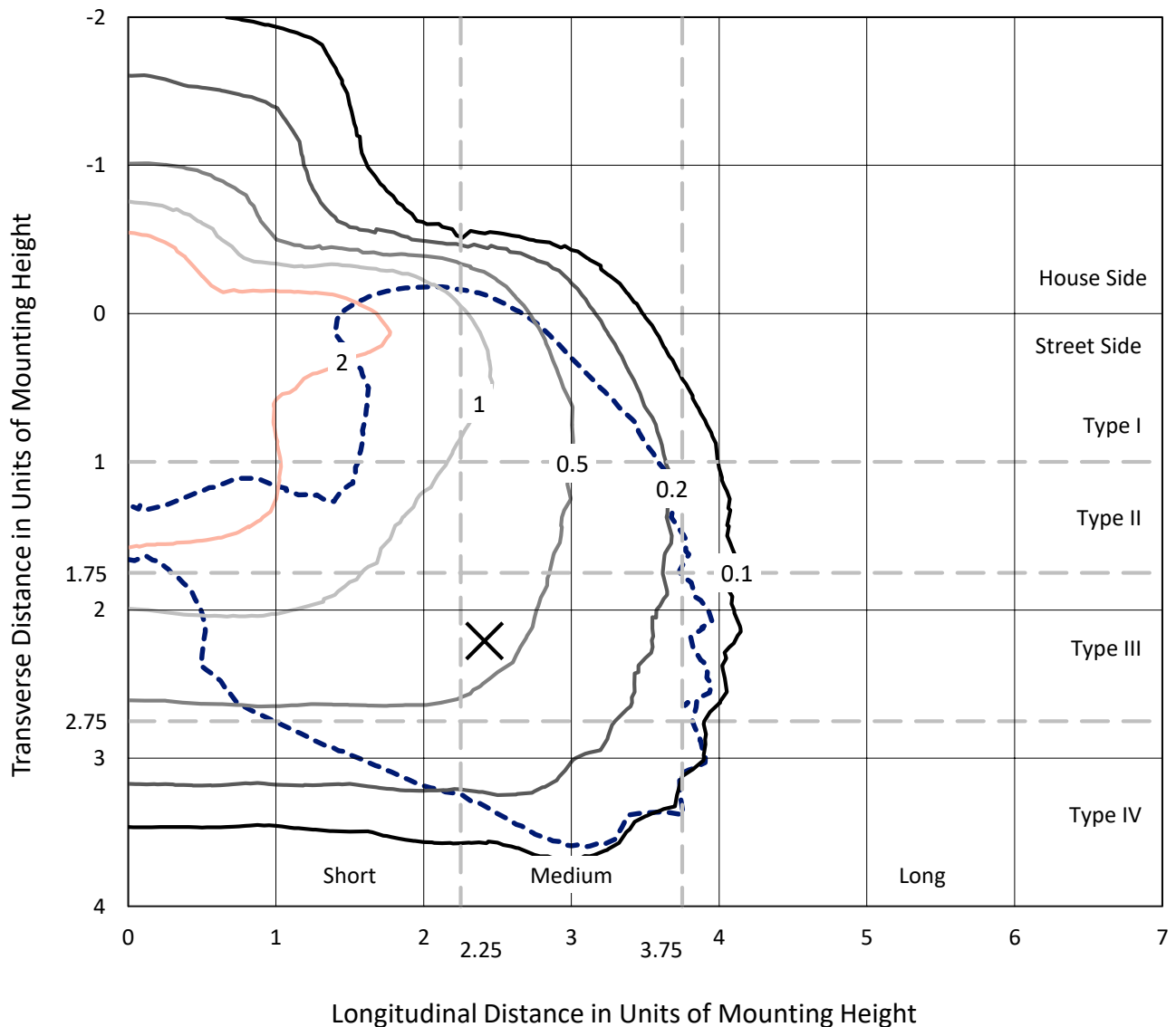


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Iso-Footcandle Lines of Horizontal Illumination

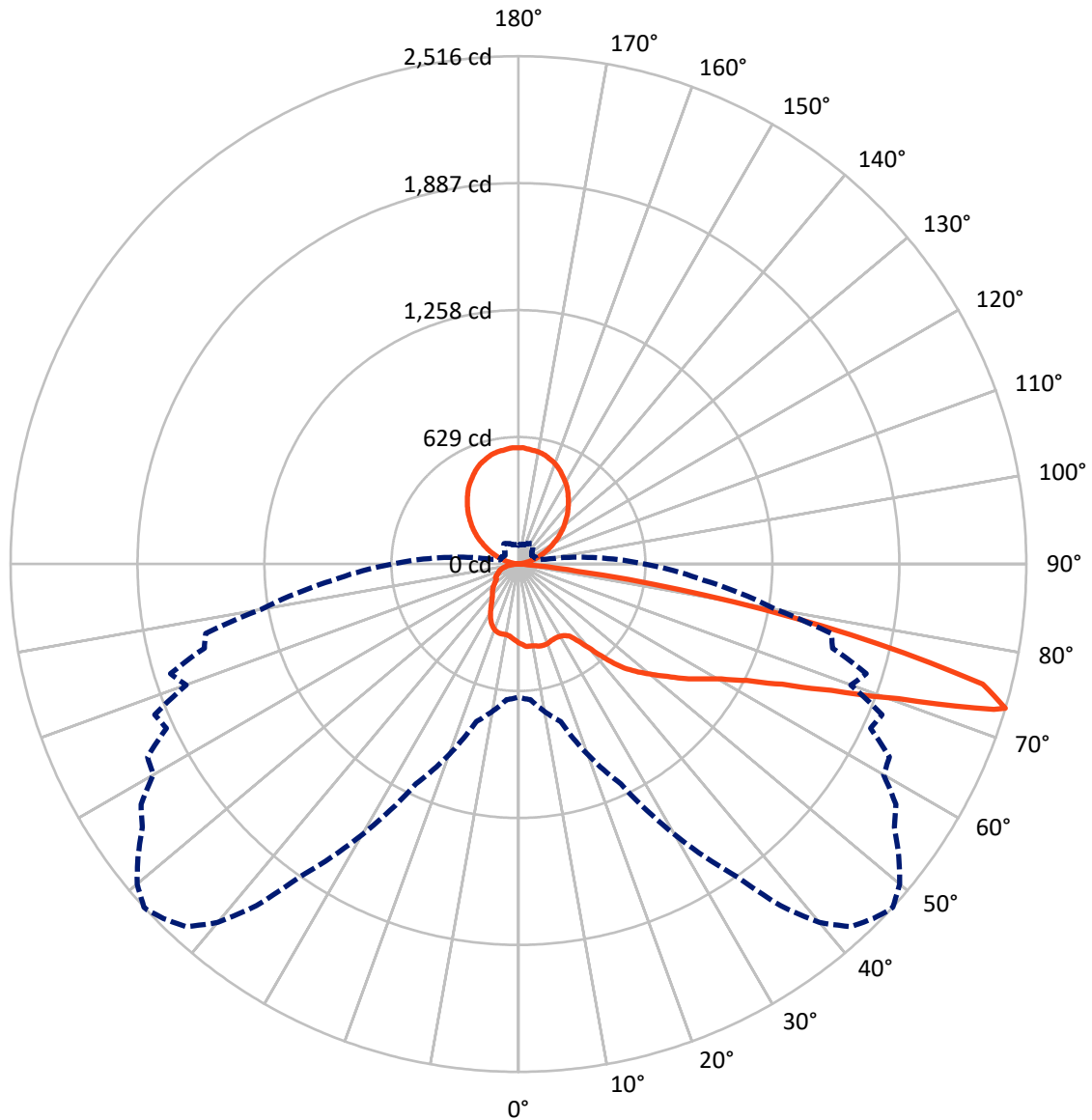
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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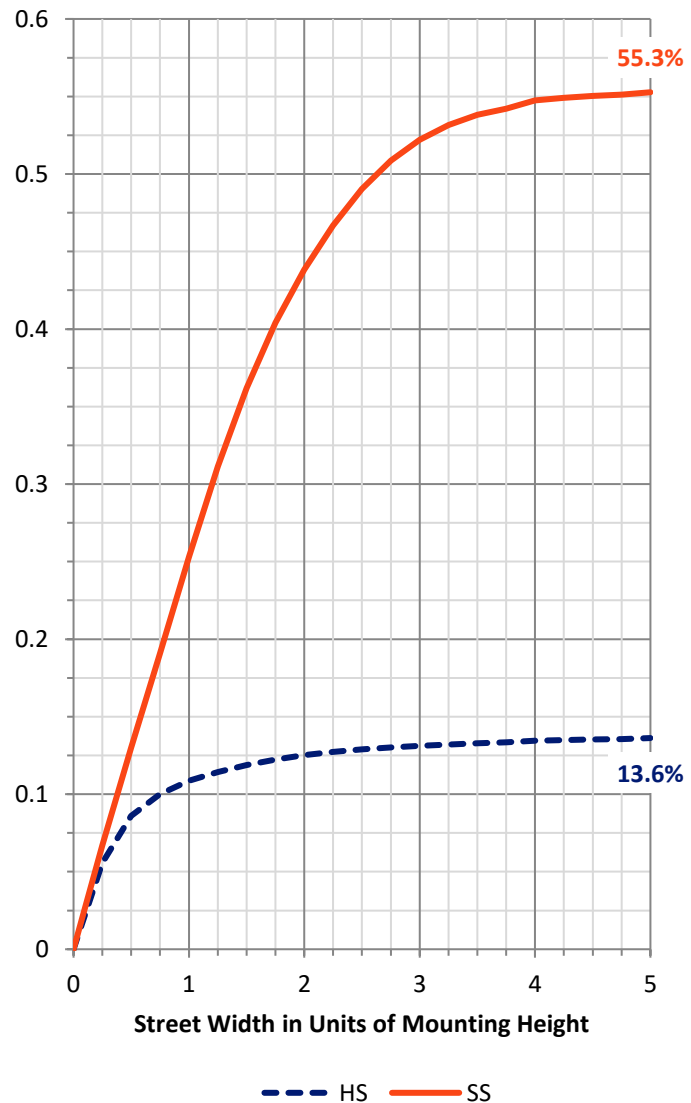
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 637.1 | 713.1 | 1350.2 |
| | % Fixture | 13.8 | 15.5 | 29.3 |
| Street Side | Lumens | 2551.9 | 713.1 | 3264.9 |
| | % Fixture | 55.3 | 15.5 | 70.7 |
| Total | Lumens | 3189.0 | 1426.2 | 4615.2 |
| | % Fixture | 69.1 | 30.9 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 37.3 | 0.8 |
| 10°-20° | 111.0 | 2.4 |
| 20°-30° | 170.6 | 3.7 |
| 30°-40° | 248.8 | 5.4 |
| 40°-50° | 410.3 | 8.9 |
| 50°-60° | 642.4 | 13.9 |
| 60°-70° | 871.4 | 18.9 |
| 70°-80° | 645.3 | 14.0 |
| 80°-90° | 52.1 | 1.1 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.5 |
| 110°-120° | 153.0 | 3.3 |
| 120°-130° | 223.9 | 4.9 |
| 130°-140° | 265.6 | 5.8 |
| 140°-150° | 269.3 | 5.8 |
| 150°-160° | 231.1 | 5.0 |
| 160°-170° | 155.1 | 3.4 |
| 170°-180° | 54.3 | 1.2 |
| 0°-90° | 3189.0 | 69.1 |
| 0°-180° | 4615.2 | 100.0 |



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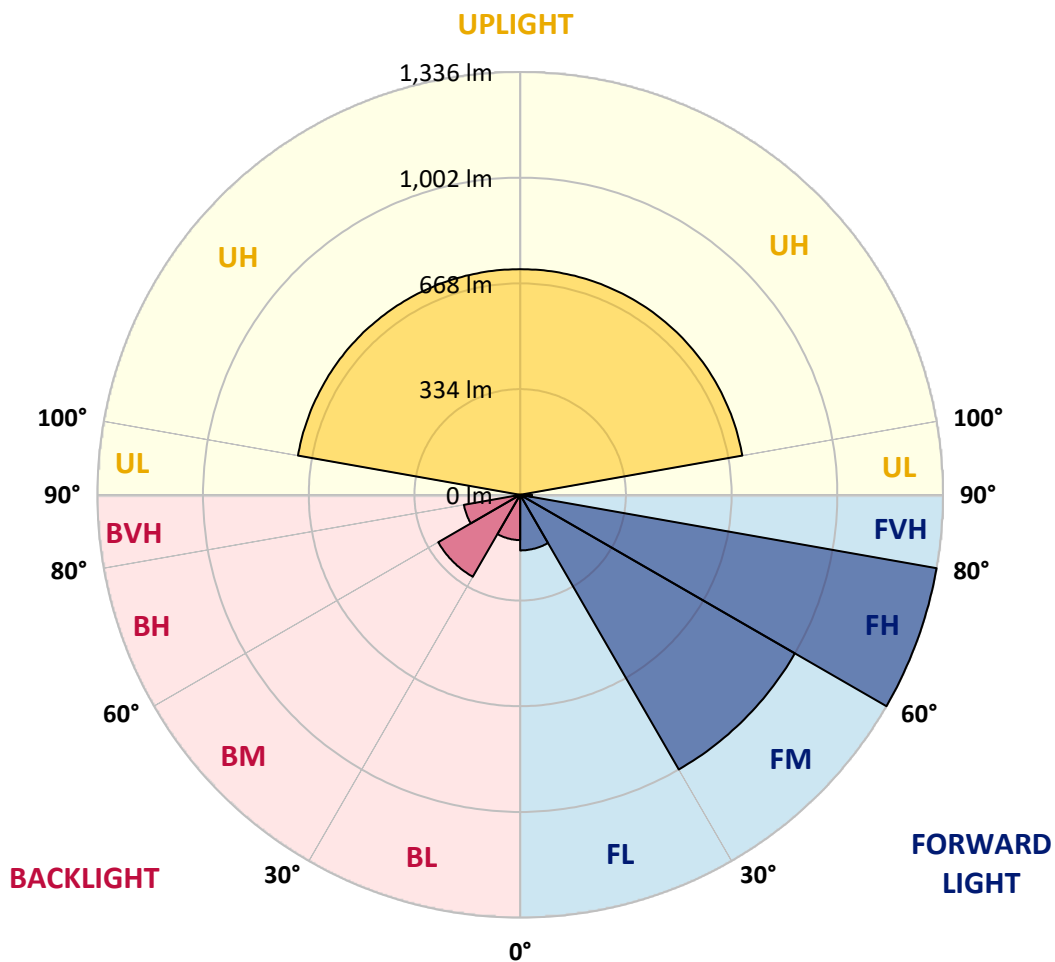
CATALOG NUMBER: ISC-AF-600-LED-E1-T4W-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 175.8 | 3.8 | | | |
| FM | (30°-60°) | 1002.3 | 21.7 | | | |
| FH | (60°-80°) | 1336.2 | 29.0 | | | G1/1800 |
| FVH | (80°-90°) | 37.6 | 0.8 | | | G1/100 |
| BL | (0°-30°) | 143.0 | 3.1 | B1/500 | | |
| BM | (30°-60°) | 299.2 | 6.5 | B1/1000 | | |
| BH | (60°-80°) | 180.4 | 3.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 14.5 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 713.1 | 15.5 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47° | 47.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 |
| 2.5° | 414.8 | 413.7 | 410.6 | 409.5 | 406.3 | 404.2 | 403.2 | 402.1 | 405.3 | 403.2 | 400.0 |
| 5° | 441.1 | 439.0 | 434.8 | 428.5 | 422.1 | 417.9 | 416.9 | 414.8 | 414.8 | 412.7 | 410.6 |
| 7.5° | 460.0 | 459.0 | 452.7 | 443.2 | 432.7 | 425.3 | 421.1 | 417.9 | 419.0 | 416.9 | 410.6 |
| 10° | 477.9 | 475.8 | 465.3 | 453.7 | 437.9 | 429.5 | 424.2 | 419.0 | 423.2 | 420.0 | 411.6 |
| 12.5° | 491.6 | 489.5 | 474.8 | 460.0 | 442.1 | 432.7 | 427.4 | 424.2 | 428.5 | 426.3 | 416.9 |
| 15° | 499.0 | 496.9 | 482.1 | 464.2 | 445.3 | 434.8 | 432.7 | 430.6 | 433.7 | 429.5 | 421.1 |
| 17.5° | 494.8 | 494.8 | 481.1 | 462.1 | 446.4 | 435.8 | 432.7 | 430.6 | 434.8 | 430.6 | 421.1 |
| 20° | 479.0 | 481.1 | 471.6 | 451.6 | 440.0 | 432.7 | 429.5 | 425.3 | 429.5 | 425.3 | 419.0 |
| 22.5° | 459.0 | 461.1 | 455.8 | 437.9 | 429.5 | 424.2 | 423.2 | 419.0 | 422.1 | 419.0 | 412.7 |
| 25° | 441.1 | 441.1 | 439.0 | 423.2 | 422.1 | 417.9 | 419.0 | 416.9 | 419.0 | 414.8 | 410.6 |
| 27.5° | 442.1 | 442.1 | 433.7 | 417.9 | 416.9 | 416.9 | 416.9 | 416.9 | 417.9 | 414.8 | 410.6 |
| 30° | 504.3 | 506.4 | 482.1 | 437.9 | 422.1 | 420.0 | 421.1 | 420.0 | 421.1 | 420.0 | 414.8 |
| 32.5° | 597.9 | 597.9 | 574.8 | 506.4 | 450.6 | 436.9 | 431.6 | 430.6 | 427.4 | 426.3 | 422.1 |
| 35° | 690.6 | 689.5 | 666.4 | 590.6 | 520.0 | 493.7 | 476.9 | 461.1 | 453.7 | 446.4 | 439.0 |
| 37.5° | 768.5 | 765.3 | 762.2 | 675.8 | 602.2 | 571.6 | 551.6 | 528.5 | 513.7 | 501.1 | 484.2 |
| 40° | 841.1 | 846.4 | 858.0 | 754.8 | 684.3 | 655.8 | 635.8 | 606.4 | 591.6 | 575.8 | 555.8 |
| 42.5° | 941.1 | 948.5 | 949.5 | 840.1 | 759.0 | 740.1 | 724.3 | 702.2 | 686.4 | 667.4 | 649.5 |
| 45° | 1038.0 | 1039.0 | 1042.2 | 931.7 | 850.6 | 826.4 | 814.8 | 793.7 | 773.7 | 749.5 | 734.8 |
| 47.5° | 1104.3 | 1101.1 | 1114.8 | 1036.9 | 958.0 | 930.6 | 913.8 | 882.2 | 851.6 | 821.1 | 799.0 |
| 50° | 1185.4 | 1182.2 | 1182.2 | 1156.9 | 1082.2 | 1050.6 | 1021.1 | 962.2 | 929.5 | 891.6 | 860.1 |
| 52.5° | 1256.9 | 1245.4 | 1252.7 | 1267.5 | 1212.7 | 1172.7 | 1121.1 | 1054.8 | 1011.7 | 965.3 | 925.3 |
| 55° | 1354.8 | 1294.8 | 1311.7 | 1363.3 | 1342.2 | 1280.1 | 1211.7 | 1141.1 | 1091.7 | 1039.0 | 1002.2 |
| 57.5° | 1321.2 | 1280.1 | 1329.6 | 1420.1 | 1419.1 | 1361.2 | 1303.3 | 1216.9 | 1167.5 | 1118.0 | 1072.7 |
| 60° | 1200.1 | 1221.1 | 1328.5 | 1459.1 | 1464.3 | 1419.1 | 1371.7 | 1291.7 | 1252.7 | 1201.1 | 1155.9 |
| 62.5° | 1106.4 | 1136.9 | 1284.3 | 1455.9 | 1515.9 | 1473.8 | 1434.8 | 1387.5 | 1360.1 | 1316.9 | 1270.6 |
| 65° | 1101.1 | 1119.0 | 1262.2 | 1452.7 | 1588.5 | 1566.4 | 1548.5 | 1526.4 | 1521.2 | 1489.6 | 1435.9 |
| 67.5° | 1151.7 | 1168.5 | 1300.1 | 1533.8 | 1695.9 | 1686.4 | 1712.8 | 1708.6 | 1731.7 | 1715.9 | 1671.7 |
| 70° | 1052.7 | 1062.2 | 1224.3 | 1562.2 | 1941.2 | 1983.3 | 2042.3 | 2039.1 | 2088.6 | 2050.7 | 1999.1 |
| 72.5° | 739.0 | 758.0 | 901.1 | 1290.6 | 1946.5 | 2171.7 | 2308.6 | 2424.4 | 2478.1 | 2487.6 | 2463.4 |
| 73° | 660.1 | 674.8 | 807.4 | 1202.2 | 1893.8 | 2133.9 | 2318.1 | 2437.0 | 2484.4 | 2513.9 | 2516.0 |
| 75° | 229.5 | 236.9 | 352.7 | 728.5 | 1513.8 | 1862.3 | 2099.1 | 2206.5 | 2194.9 | 2281.2 | 2376.0 |
| 77.5° | 73.7 | 74.7 | 91.6 | 188.4 | 730.6 | 1155.9 | 1420.1 | 1519.1 | 1462.2 | 1555.9 | 1682.2 |
| 80° | 45.3 | 47.4 | 60.0 | 85.3 | 191.6 | 350.6 | 593.7 | 743.2 | 712.7 | 800.1 | 934.8 |
| 82.5° | 27.4 | 28.4 | 36.8 | 52.6 | 76.8 | 85.3 | 111.6 | 151.6 | 186.3 | 224.2 | 293.7 |
| 85° | 12.6 | 13.7 | 17.9 | 24.2 | 31.6 | 32.6 | 31.6 | 29.5 | 33.7 | 39.0 | 45.3 |
| 87.5° | 0.0 | 0.0 | 1.1 | 2.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 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° | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.2 | 6.5 | 7.8 | 9.0 | 9.8 | 10.0 |
| 100° | 8.0 | 8.0 | 10.0 | 14.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 30.4 | 30.5 |
| 102.5° | 28.0 | 28.0 | 32.0 | 38.0 | 45.0 | 46.2 | 47.5 | 48.8 | 50.0 | 50.2 | 50.2 |
| 105° | 54.0 | 54.0 | 56.0 | 61.0 | 66.0 | 67.0 | 68.0 | 69.0 | 70.0 | 70.2 | 70.2 |
| 107.5° | 78.0 | 77.0 | 80.0 | 84.0 | 88.0 | 88.8 | 89.5 | 90.2 | 91.0 | 91.4 | 91.5 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47° | 47.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 110.5 | 111.0 | 111.5 | 112.0 | 112.4 | 112.5 |
| 112.5° | 124.0 | 124.0 | 126.0 | 129.0 | 132.0 | 132.5 | 133.0 | 133.5 | 134.0 | 134.4 | 134.5 |
| 115° | 146.0 | 147.0 | 149.0 | 151.0 | 154.0 | 154.5 | 155.0 | 155.5 | 156.0 | 156.4 | 156.5 |
| 117.5° | 169.0 | 170.0 | 172.0 | 174.0 | 177.0 | 177.5 | 178.0 | 178.5 | 179.0 | 179.2 | 179.2 |
| 120° | 193.0 | 195.0 | 196.0 | 198.0 | 201.0 | 201.2 | 201.5 | 201.8 | 202.0 | 202.4 | 202.5 |
| 122.5° | 219.0 | 220.0 | 221.0 | 223.0 | 226.0 | 226.2 | 226.5 | 226.8 | 227.0 | 227.2 | 227.2 |
| 125° | 244.0 | 246.0 | 247.0 | 248.0 | 251.0 | 251.2 | 251.5 | 251.8 | 252.0 | 252.2 | 252.2 |
| 127.5° | 267.0 | 269.0 | 270.0 | 272.0 | 274.0 | 274.5 | 275.0 | 275.5 | 276.0 | 276.4 | 276.5 |
| 130° | 290.0 | 292.0 | 293.0 | 294.0 | 298.0 | 298.2 | 298.5 | 298.8 | 299.0 | 299.4 | 299.5 |
| 132.5° | 313.0 | 314.0 | 317.0 | 318.0 | 321.0 | 321.2 | 321.5 | 321.8 | 322.0 | 322.6 | 322.8 |
| 135° | 336.0 | 337.0 | 339.0 | 341.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.0 | 345.6 | 345.8 |
| 137.5° | 359.0 | 360.0 | 363.0 | 364.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.0 | 367.4 | 367.5 |
| 140° | 382.0 | 383.0 | 385.0 | 386.0 | 388.0 | 388.2 | 388.5 | 388.8 | 389.0 | 389.2 | 389.2 |
| 142.5° | 404.0 | 406.0 | 408.0 | 407.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.0 | 410.4 | 410.5 |
| 145° | 425.0 | 426.0 | 428.0 | 428.0 | 431.0 | 431.2 | 431.5 | 431.8 | 432.0 | 432.4 | 432.5 |
| 147.5° | 444.0 | 444.0 | 447.0 | 448.0 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 | 453.2 | 453.2 |
| 150° | 461.0 | 462.0 | 464.0 | 465.0 | 469.0 | 469.2 | 469.5 | 469.8 | 470.0 | 470.2 | 470.2 |
| 152.5° | 479.0 | 480.0 | 483.0 | 482.0 | 485.0 | 485.2 | 485.5 | 485.8 | 486.0 | 486.2 | 486.2 |
| 155° | 499.0 | 500.0 | 502.0 | 501.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.0 | 503.2 | 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 | 541.2 | 541.2 |
| 165° | 546.0 | 547.0 | 549.0 | 548.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.0 | 552.2 | 552.2 |
| 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 | 565.8 |
| 172.5° | 565.0 | 566.0 | 569.0 | 567.0 | 569.0 | 568.8 | 568.5 | 568.2 | 568.0 | 568.2 | 568.2 |
| 175° | 567.0 | 569.0 | 570.0 | 569.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.0 | 572.2 | 572.2 |
| 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-600-LED-E1-T4W-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 |
| 2.5° | 403.2 | 400.0 | 400.0 | 395.8 | 397.9 | 393.7 | 395.8 | 391.6 | 393.7 | 388.5 | 391.6 |
| 5° | 409.5 | 404.2 | 404.2 | 397.9 | 399.0 | 391.6 | 394.8 | 386.3 | 390.6 | 381.1 | 387.4 |
| 7.5° | 412.7 | 403.2 | 407.4 | 395.8 | 401.1 | 388.5 | 394.8 | 381.1 | 389.5 | 374.8 | 385.3 |
| 10° | 416.9 | 403.2 | 410.6 | 397.9 | 404.2 | 389.5 | 397.9 | 381.1 | 391.6 | 373.7 | 383.2 |
| 12.5° | 423.2 | 408.5 | 414.8 | 400.0 | 408.5 | 391.6 | 400.0 | 383.2 | 393.7 | 373.7 | 385.3 |
| 15° | 427.4 | 412.7 | 419.0 | 404.2 | 410.6 | 391.6 | 402.1 | 382.1 | 393.7 | 372.7 | 385.3 |
| 17.5° | 426.3 | 412.7 | 419.0 | 402.1 | 409.5 | 390.6 | 401.1 | 381.1 | 391.6 | 369.5 | 383.2 |
| 20° | 422.1 | 410.6 | 414.8 | 400.0 | 406.3 | 387.4 | 396.9 | 376.9 | 388.5 | 366.3 | 380.0 |
| 22.5° | 416.9 | 405.3 | 410.6 | 396.9 | 403.2 | 384.2 | 392.7 | 374.8 | 386.3 | 364.2 | 376.9 |
| 25° | 413.7 | 404.2 | 407.4 | 393.7 | 402.1 | 385.3 | 393.7 | 373.7 | 386.3 | 364.2 | 379.0 |
| 27.5° | 412.7 | 404.2 | 410.6 | 397.9 | 405.3 | 390.6 | 399.0 | 381.1 | 391.6 | 368.5 | 383.2 |
| 30° | 419.0 | 411.6 | 416.9 | 406.3 | 412.7 | 397.9 | 406.3 | 389.5 | 400.0 | 377.9 | 394.8 |
| 32.5° | 426.3 | 419.0 | 424.2 | 414.8 | 424.2 | 409.5 | 420.0 | 403.2 | 415.8 | 393.7 | 409.5 |
| 35° | 442.1 | 433.7 | 441.1 | 430.6 | 441.1 | 429.5 | 441.1 | 423.2 | 439.0 | 416.9 | 433.7 |
| 37.5° | 483.2 | 460.0 | 467.4 | 455.8 | 466.4 | 451.6 | 471.6 | 453.7 | 471.6 | 450.6 | 473.7 |
| 40° | 548.5 | 507.4 | 514.8 | 490.6 | 506.4 | 484.2 | 508.5 | 494.8 | 519.0 | 492.7 | 522.1 |
| 42.5° | 633.7 | 594.8 | 587.4 | 550.6 | 564.3 | 537.9 | 562.1 | 537.9 | 570.6 | 545.3 | 582.2 |
| 45° | 711.6 | 670.6 | 659.0 | 623.2 | 632.7 | 597.9 | 628.5 | 594.8 | 637.9 | 608.5 | 654.8 |
| 47.5° | 775.9 | 727.4 | 718.0 | 676.9 | 693.7 | 661.1 | 699.0 | 663.2 | 715.8 | 686.4 | 740.1 |
| 50° | 834.8 | 774.8 | 772.7 | 728.5 | 756.9 | 724.3 | 778.0 | 753.7 | 805.3 | 775.9 | 839.0 |
| 52.5° | 902.2 | 826.4 | 836.9 | 796.9 | 842.2 | 814.8 | 876.9 | 842.2 | 909.5 | 878.0 | 947.4 |
| 55° | 973.8 | 893.8 | 921.1 | 896.9 | 950.6 | 932.7 | 985.3 | 953.8 | 1020.1 | 988.5 | 1062.2 |
| 57.5° | 1052.7 | 984.3 | 1032.7 | 1021.1 | 1068.5 | 1046.4 | 1105.4 | 1076.9 | 1143.2 | 1116.9 | 1190.6 |
| 60° | 1155.9 | 1110.6 | 1158.0 | 1156.9 | 1198.0 | 1196.9 | 1234.8 | 1218.0 | 1281.2 | 1269.6 | 1336.9 |
| 62.5° | 1289.6 | 1253.8 | 1304.3 | 1290.6 | 1340.1 | 1331.7 | 1378.0 | 1378.0 | 1423.3 | 1439.1 | 1506.4 |
| 65° | 1469.6 | 1422.2 | 1482.2 | 1461.2 | 1510.6 | 1512.8 | 1542.2 | 1547.5 | 1602.2 | 1620.1 | 1678.0 |
| 67.5° | 1713.8 | 1659.1 | 1706.5 | 1666.4 | 1723.3 | 1720.1 | 1745.4 | 1755.9 | 1763.3 | 1806.5 | 1812.8 |
| 70° | 2065.4 | 1983.3 | 2026.5 | 1971.7 | 1982.3 | 1989.6 | 1942.3 | 1977.0 | 1892.8 | 1961.2 | 1868.6 |
| 72.5° | 2445.5 | 2351.8 | 2277.0 | 2222.3 | 2113.9 | 2098.1 | 1960.2 | 1989.6 | 1810.7 | 1869.6 | 1682.2 |
| 73° | 2465.5 | 2374.9 | 2273.9 | 2217.0 | 2088.6 | 2071.7 | 1924.4 | 1949.6 | 1751.7 | 1807.5 | 1610.7 |
| 75° | 2241.2 | 2265.4 | 2022.3 | 2045.4 | 1822.2 | 1848.6 | 1618.0 | 1647.5 | 1404.3 | 1446.4 | 1192.7 |
| 77.5° | 1510.6 | 1591.7 | 1319.1 | 1421.2 | 1144.3 | 1246.4 | 933.8 | 943.2 | 688.5 | 643.2 | 436.9 |
| 80° | 748.5 | 818.0 | 580.0 | 633.7 | 425.3 | 417.9 | 254.8 | 211.6 | 180.0 | 184.2 | 189.5 |
| 82.5° | 215.8 | 243.2 | 150.5 | 149.5 | 106.3 | 101.1 | 101.1 | 107.4 | 109.5 | 122.1 | 119.0 |
| 85° | 41.1 | 49.5 | 43.2 | 57.9 | 51.6 | 56.8 | 52.6 | 61.1 | 56.8 | 70.5 | 61.1 |
| 87.5° | 1.1 | 0.0 | 1.1 | 3.2 | 3.2 | 7.4 | 5.3 | 8.4 | 8.4 | 14.7 | 13.7 |
| 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: P227991

CATALOG NUMBER: ISC-AF-600-LED-E1-T4W-8030-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-600-LED-E1-T4W-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|
| 0° | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 |
| 2.5° | 387.4 | 392.7 | 390.6 | 388.5 | 386.3 | 385.3 | 381.1 | 383.2 | 377.9 | 382.1 | 377.9 |
| 5° | 379.0 | 385.3 | 382.1 | 377.9 | 375.8 | 373.7 | 366.3 | 371.6 | 363.2 | 370.6 | 364.2 |
| 7.5° | 369.5 | 380.0 | 376.9 | 372.7 | 368.5 | 366.3 | 351.6 | 363.2 | 350.6 | 361.1 | 350.6 |
| 10° | 366.3 | 377.9 | 373.7 | 368.5 | 364.2 | 362.1 | 344.2 | 357.9 | 344.2 | 355.8 | 342.1 |
| 12.5° | 364.2 | 377.9 | 371.6 | 366.3 | 362.1 | 359.0 | 339.0 | 355.8 | 337.9 | 354.8 | 339.0 |
| 15° | 362.1 | 377.9 | 369.5 | 363.2 | 359.0 | 355.8 | 334.8 | 353.7 | 333.7 | 352.7 | 334.8 |
| 17.5° | 360.0 | 374.8 | 367.4 | 360.0 | 355.8 | 353.7 | 330.6 | 350.6 | 329.5 | 350.6 | 332.7 |
| 20° | 356.9 | 371.6 | 363.2 | 355.8 | 351.6 | 348.4 | 325.3 | 346.3 | 324.2 | 345.3 | 325.3 |
| 22.5° | 352.7 | 368.5 | 361.1 | 353.7 | 349.5 | 344.2 | 319.0 | 341.1 | 317.9 | 339.0 | 320.0 |
| 25° | 353.7 | 370.6 | 361.1 | 353.7 | 347.4 | 342.1 | 314.8 | 339.0 | 312.7 | 333.7 | 312.7 |
| 27.5° | 359.0 | 373.7 | 364.2 | 357.9 | 349.5 | 343.2 | 314.8 | 336.9 | 310.6 | 328.4 | 306.3 |
| 30° | 369.5 | 384.2 | 375.8 | 366.3 | 359.0 | 350.6 | 320.0 | 337.9 | 310.6 | 322.1 | 300.0 |
| 32.5° | 387.4 | 401.1 | 392.7 | 385.3 | 376.9 | 364.2 | 330.6 | 343.2 | 312.7 | 317.9 | 294.8 |
| 35° | 410.6 | 427.4 | 423.2 | 417.9 | 407.4 | 385.3 | 348.4 | 350.6 | 316.9 | 313.7 | 287.4 |
| 37.5° | 448.5 | 471.6 | 470.6 | 469.5 | 457.9 | 417.9 | 368.5 | 365.3 | 321.1 | 310.6 | 277.9 |
| 40° | 497.9 | 525.3 | 532.7 | 540.0 | 515.8 | 456.9 | 391.6 | 380.0 | 323.2 | 304.2 | 263.2 |
| 42.5° | 555.8 | 592.7 | 614.8 | 628.5 | 584.3 | 500.0 | 417.9 | 396.9 | 323.2 | 294.8 | 246.3 |
| 45° | 627.4 | 670.6 | 712.7 | 727.4 | 660.1 | 546.4 | 445.3 | 410.6 | 319.0 | 280.0 | 224.2 |
| 47.5° | 714.8 | 765.3 | 823.2 | 830.6 | 742.2 | 595.8 | 464.2 | 420.0 | 305.3 | 260.0 | 204.2 |
| 50° | 811.6 | 872.7 | 958.0 | 952.7 | 829.5 | 647.4 | 476.9 | 426.3 | 281.1 | 236.9 | 180.0 |
| 52.5° | 920.1 | 996.9 | 1118.0 | 1093.8 | 935.9 | 711.6 | 488.5 | 434.8 | 251.6 | 209.5 | 155.8 |
| 55° | 1055.9 | 1147.5 | 1299.0 | 1247.5 | 1053.8 | 782.2 | 505.3 | 435.8 | 212.6 | 176.9 | 137.9 |
| 57.5° | 1202.2 | 1300.1 | 1493.8 | 1400.1 | 1164.3 | 836.9 | 497.9 | 402.1 | 173.7 | 149.5 | 124.2 |
| 60° | 1378.0 | 1497.0 | 1688.6 | 1542.2 | 1256.9 | 855.9 | 446.4 | 331.6 | 148.4 | 134.7 | 117.9 |
| 62.5° | 1574.9 | 1692.8 | 1848.6 | 1641.2 | 1309.6 | 824.3 | 331.6 | 229.5 | 127.4 | 120.0 | 108.4 |
| 65° | 1784.4 | 1895.9 | 1925.4 | 1649.6 | 1274.8 | 685.3 | 205.3 | 150.5 | 110.5 | 107.4 | 100.0 |
| 67.5° | 1977.0 | 1987.5 | 1852.8 | 1512.8 | 1106.4 | 477.9 | 140.0 | 120.0 | 102.1 | 101.1 | 96.8 |
| 70° | 2026.5 | 1844.4 | 1540.1 | 1178.0 | 799.0 | 284.2 | 113.7 | 104.2 | 97.9 | 97.9 | 94.7 |
| 72.5° | 1692.8 | 1404.3 | 1029.6 | 713.7 | 435.8 | 151.6 | 96.8 | 94.7 | 92.6 | 92.6 | 90.5 |
| 73° | 1587.5 | 1293.8 | 922.2 | 623.2 | 368.5 | 135.8 | 94.7 | 92.6 | 91.6 | 90.5 | 89.5 |
| 75° | 1054.8 | 812.7 | 523.2 | 315.8 | 171.6 | 97.9 | 84.2 | 84.2 | 83.2 | 84.2 | 83.2 |
| 77.5° | 406.3 | 306.3 | 202.1 | 135.8 | 97.9 | 76.8 | 71.6 | 72.6 | 71.6 | 73.7 | 72.6 |
| 80° | 179.0 | 176.9 | 133.7 | 95.8 | 71.6 | 57.9 | 57.9 | 57.9 | 59.0 | 60.0 | 60.0 |
| 82.5° | 122.1 | 103.2 | 79.0 | 59.0 | 43.2 | 42.1 | 43.2 | 43.2 | 44.2 | 45.3 | 44.2 |
| 85° | 67.4 | 56.8 | 42.1 | 26.3 | 23.2 | 28.4 | 28.4 | 28.4 | 27.4 | 27.4 | 26.3 |
| 87.5° | 21.1 | 15.8 | 11.6 | 3.2 | 5.3 | 5.3 | 7.4 | 6.3 | 6.3 | 7.4 | 7.4 |
| 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-600-LED-E1-T4W-8030-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° |
| | | | | | | | | | | | | 73° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |



NUMBER: P227991
 NUMBER: ISC-AF-600-LED-E1-T4W-8030-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° |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 391.6 | 110° | 114.0 |
| 382.1 | 379.0 | 382.1 | 376.9 | 381.1 | 376.9 | 380.0 | 380.0 | 379.0 | 379.0 | 379.0 | 112.5° | 136.0 |
| 369.5 | 364.2 | 369.5 | 366.3 | 369.5 | 365.3 | 368.5 | 369.5 | 370.6 | 373.7 | 372.7 | 115° | 158.0 |
| 360.0 | 349.5 | 361.1 | 350.6 | 360.0 | 350.6 | 359.0 | 360.0 | 363.2 | 367.4 | 370.6 | 117.5° | 181.0 |
| 355.8 | 342.1 | 355.8 | 343.2 | 354.8 | 344.2 | 354.8 | 355.8 | 359.0 | 364.2 | 369.5 | 120° | 204.0 |
| 353.7 | 339.0 | 353.7 | 341.1 | 353.7 | 343.2 | 353.7 | 356.9 | 359.0 | 363.2 | 369.5 | 122.5° | 228.0 |
| 351.6 | 336.9 | 353.7 | 340.0 | 353.7 | 343.2 | 354.8 | 356.9 | 360.0 | 364.2 | 369.5 | 125° | 254.0 |
| 350.6 | 333.7 | 351.6 | 339.0 | 351.6 | 341.1 | 353.7 | 353.7 | 357.9 | 363.2 | 366.3 | 127.5° | 277.0 |
| 346.3 | 330.6 | 346.3 | 333.7 | 346.3 | 336.9 | 347.4 | 347.4 | 351.6 | 353.7 | 359.0 | 130° | 301.0 |
| 340.0 | 323.2 | 337.9 | 326.3 | 337.9 | 328.4 | 336.9 | 336.9 | 340.0 | 343.2 | 346.3 | 132.5° | 325.0 |
| 330.6 | 314.8 | 327.4 | 316.9 | 325.3 | 316.9 | 323.2 | 322.1 | 324.2 | 326.3 | 328.4 | 135° | 348.0 |
| 320.0 | 304.2 | 314.8 | 303.2 | 308.4 | 300.0 | 304.2 | 302.1 | 303.2 | 304.2 | 305.3 | 137.5° | 369.0 |
| 308.4 | 292.7 | 297.9 | 287.4 | 288.4 | 280.0 | 282.1 | 279.0 | 277.9 | 276.9 | 274.8 | 140° | 390.0 |
| 295.8 | 279.0 | 279.0 | 268.4 | 266.3 | 259.0 | 259.0 | 254.8 | 251.6 | 247.4 | 243.2 | 142.5° | 412.0 |
| 280.0 | 265.3 | 257.9 | 249.5 | 245.3 | 237.9 | 236.9 | 231.6 | 224.2 | 216.9 | 212.6 | 145° | 433.0 |
| 264.2 | 247.4 | 236.9 | 228.4 | 224.2 | 219.0 | 217.9 | 213.7 | 205.3 | 196.9 | 190.5 | 147.5° | 452.0 |
| 243.2 | 226.3 | 214.8 | 211.6 | 208.4 | 204.2 | 205.3 | 200.0 | 191.6 | 182.1 | 176.9 | 150° | 469.0 |
| 222.1 | 207.4 | 197.9 | 196.9 | 194.8 | 193.7 | 194.8 | 190.5 | 181.1 | 172.6 | 166.3 | 152.5° | 486.0 |
| 204.2 | 189.5 | 180.0 | 179.0 | 177.9 | 182.1 | 183.2 | 182.1 | 171.6 | 163.2 | 154.7 | 155° | 503.0 |
| 186.3 | 168.4 | 162.1 | 160.0 | 161.1 | 167.4 | 169.5 | 172.6 | 163.2 | 153.7 | 142.1 | 157.5° | 517.0 |
| 165.3 | 148.4 | 146.3 | 144.2 | 145.3 | 150.5 | 155.8 | 162.1 | 153.7 | 140.0 | 124.2 | 160° | 530.0 |
| 146.3 | 131.6 | 132.6 | 130.5 | 132.6 | 136.9 | 141.1 | 151.6 | 141.1 | 127.4 | 120.0 | 162.5° | 540.0 |
| 131.6 | 120.0 | 122.1 | 120.0 | 122.1 | 127.4 | 130.5 | 139.0 | 139.0 | 135.8 | 129.5 | 165° | 550.0 |
| 121.1 | 112.6 | 114.7 | 112.6 | 115.8 | 120.0 | 123.2 | 141.1 | 151.6 | 143.2 | 130.5 | 167.5° | 558.0 |
| 114.7 | 107.4 | 108.4 | 106.3 | 108.4 | 114.7 | 121.1 | 142.1 | 159.0 | 142.1 | 132.6 | 170° | 564.0 |
| 105.3 | 99.0 | 97.9 | 97.9 | 100.0 | 110.5 | 113.7 | 132.6 | 156.9 | 141.1 | 133.7 | 172.5° | 567.0 |
| 99.0 | 93.7 | 92.6 | 91.6 | 93.7 | 101.1 | 104.2 | 123.2 | 151.6 | 133.7 | 121.1 | 175° | 570.0 |
| 95.8 | 91.6 | 89.5 | 87.4 | 89.5 | 95.8 | 99.0 | 115.8 | 143.2 | 127.4 | 113.7 | 177.5° | 574.0 |
| 92.6 | 88.4 | 87.4 | 85.3 | 86.3 | 90.5 | 94.7 | 106.3 | 135.8 | 120.0 | 106.3 | 180° | 576.0 |
| 88.4 | 84.2 | 83.2 | 80.0 | 81.1 | 85.3 | 87.4 | 100.0 | 126.3 | 112.6 | 99.0 | | |
| 87.4 | 83.2 | 82.1 | 79.0 | 80.0 | 83.2 | 85.3 | 97.9 | 124.2 | 111.6 | 97.9 | | |
| 82.1 | 77.9 | 76.8 | 74.7 | 75.8 | 75.8 | 77.9 | 89.5 | 117.9 | 105.3 | 91.6 | | |
| 72.6 | 69.5 | 68.4 | 66.3 | 65.3 | 64.2 | 67.4 | 79.0 | 107.4 | 94.7 | 73.7 | | |
| 60.0 | 56.8 | 55.8 | 51.6 | 51.6 | 51.6 | 55.8 | 67.4 | 80.0 | 68.4 | 56.8 | | |
| 44.2 | 42.1 | 42.1 | 39.0 | 37.9 | 36.8 | 40.0 | 46.3 | 63.2 | 53.7 | 44.2 | | |
| 26.3 | 25.3 | 26.3 | 23.2 | 24.2 | 23.2 | 26.3 | 32.6 | 34.7 | 27.4 | 21.1 | | |
| 6.3 | 7.4 | 7.4 | 7.4 | 6.3 | 6.3 | 5.3 | 4.2 | 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 | | |

'227991
 ISC-AF-600-LED-E1-T4W-8030-ULG

REPORT NUMBER: P227991
 CATALOG NUMBER: ISC-AF-60

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° | 391.6 | 391.6 |
| 136.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 134.0 | 132.0 | 129.0 | 126.0 | 2.5° | 377.9 | 376.9 |
| 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 151.0 | 149.0 | 5° | 372.7 | 372.7 |
| 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 174.0 | 172.0 | 7.5° | 370.6 | 370.6 |
| 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 198.0 | 196.0 | 10° | 371.6 | 371.6 |
| 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 223.0 | 221.0 | 12.5° | 371.6 | 373.7 |
| 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 248.0 | 247.0 | 15° | 374.8 | 373.7 |
| 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 272.0 | 270.0 | 17.5° | 371.6 | 371.6 |
| 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 294.0 | 293.0 | 20° | 363.2 | 365.3 |
| 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 318.0 | 317.0 | 22.5° | 351.6 | 351.6 |
| 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 341.0 | 339.0 | 25° | 332.7 | 333.7 |
| 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 364.0 | 363.0 | 27.5° | 307.4 | 309.5 |
| 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 386.0 | 385.0 | 30° | 275.8 | 277.9 |
| 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 407.0 | 408.0 | 32.5° | 240.0 | 242.1 |
| 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 428.0 | 428.0 | 35° | 211.6 | 212.6 |
| 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 448.0 | 447.0 | 37.5° | 192.6 | 192.6 |
| 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 465.0 | 464.0 | 40° | 176.9 | 176.9 |
| 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 482.0 | 483.0 | 42.5° | 162.1 | 161.1 |
| 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 501.0 | 502.0 | 45° | 147.4 | 145.3 |
| 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 516.0 | 517.0 | 47.5° | 132.6 | 131.6 |
| 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 529.0 | 529.0 | 50° | 120.0 | 120.0 |
| 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 538.0 | 539.0 | 52.5° | 122.1 | 122.1 |
| 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 548.0 | 549.0 | 55° | 131.6 | 131.6 |
| 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 558.0 | 559.0 | 57.5° | 132.6 | 131.6 |
| 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 565.0 | 566.0 | 60° | 144.2 | 143.2 |
| 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 567.0 | 569.0 | 62.5° | 150.5 | 153.7 |
| 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 569.0 | 570.0 | 65° | 131.6 | 127.4 |
| 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 574.0 | 575.0 | 67.5° | 125.3 | 119.0 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 70° | 112.6 | 103.2 |
| | | | | | | | | | | 72.5° | 100.0 | 94.7 |
| | | | | | | | | | | 73° | 96.8 | 92.6 |
| | | | | | | | | | | 75° | 86.3 | 84.2 |
| | | | | | | | | | | 77.5° | 65.3 | 64.2 |
| | | | | | | | | | | 80° | 54.7 | 53.7 |
| | | | | | | | | | | 82.5° | 36.8 | 34.7 |
| | | | | | | | | | | 85° | 15.8 | 14.7 |
| | | | | | | | | | | 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: P227991

CATALOG NUMBER: ISC-AF-600-LED-E1-1

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

