

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: P228124

Luminaire Tested: **ISC-AF-600-LED-E1-SL2-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228124
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-600-LED-E1-SL2-7030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED 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: 4698.2 lumens
Efficiency: N/A
Efficacy: 93.2 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 - 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

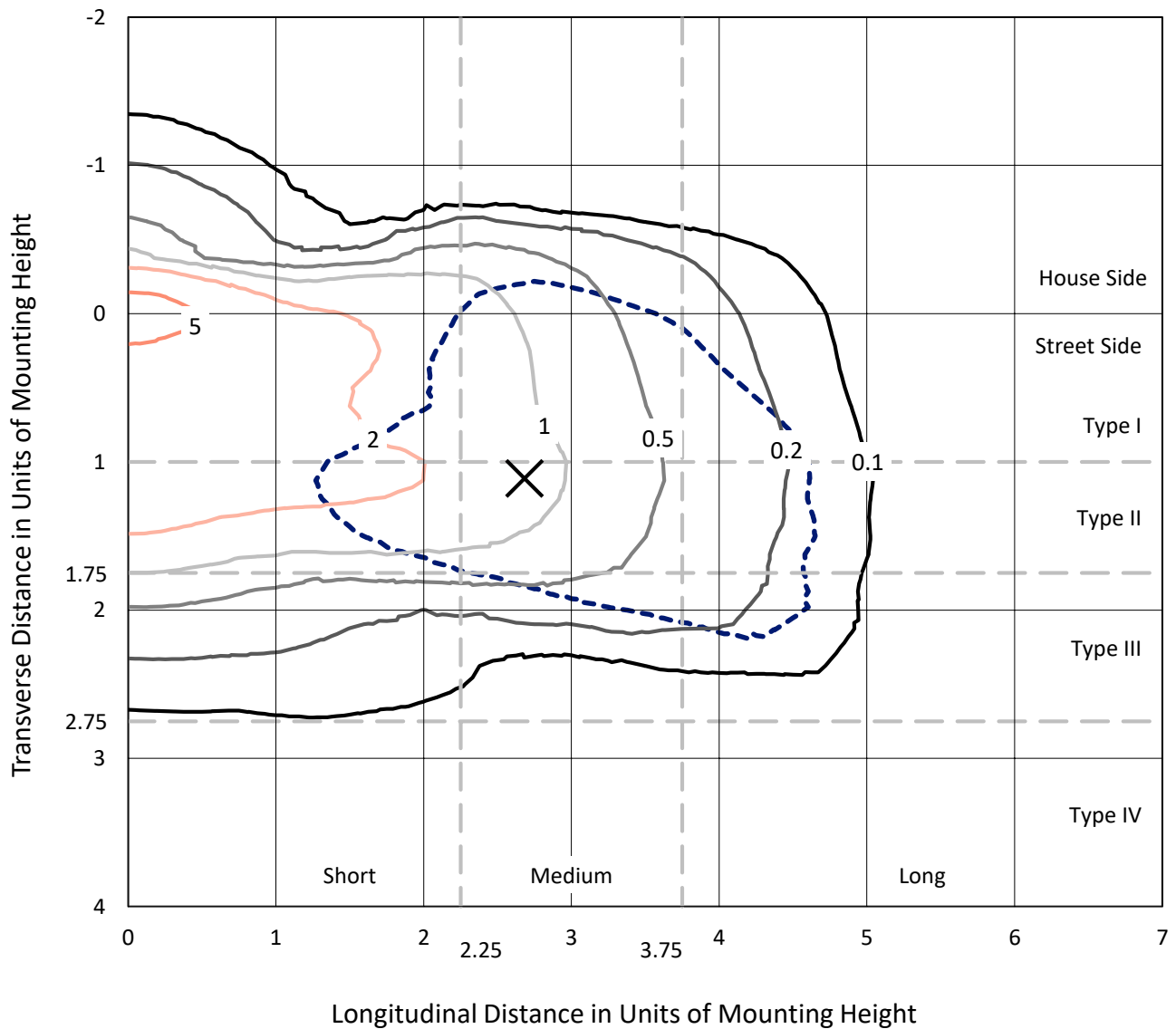


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

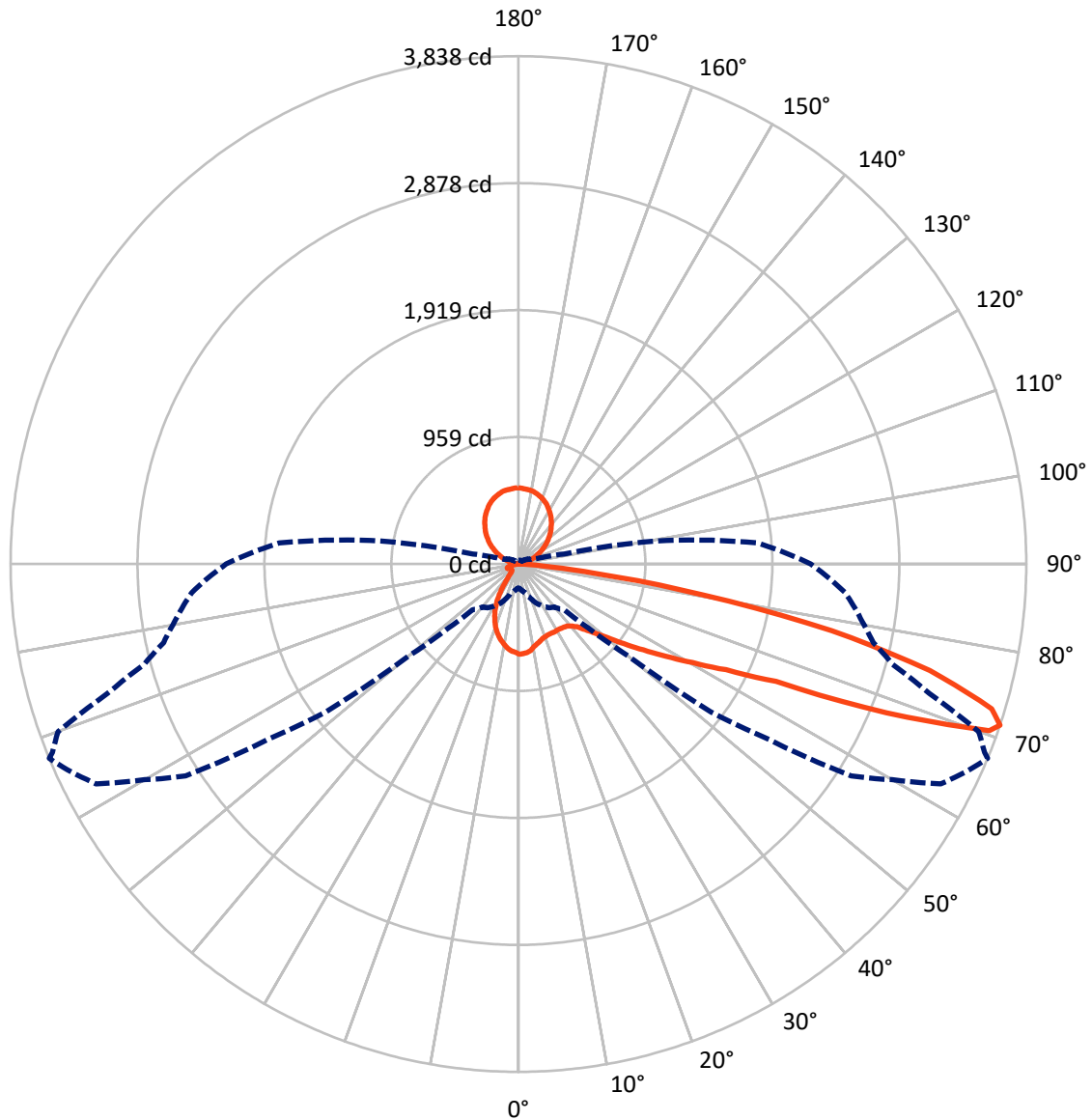


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - Non-Cutoff

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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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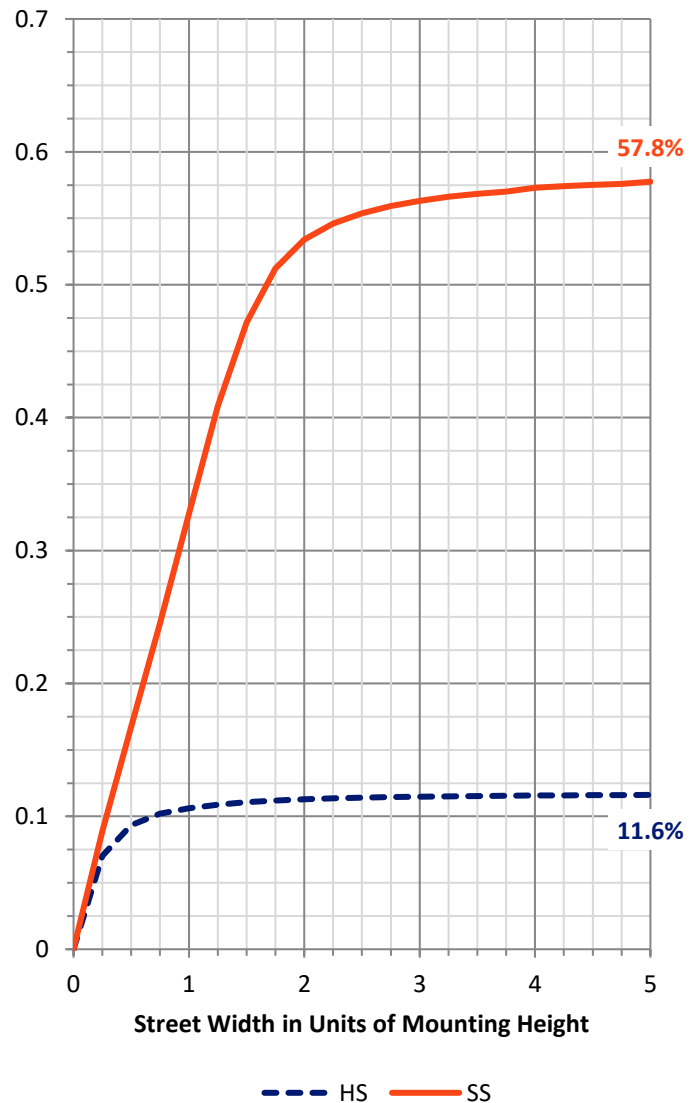
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 551.4 | 713.1 | 1264.4 |
| | % Fixture | 11.7 | 15.2 | 26.9 |
| Street Side | Lumens | 2720.6 | 713.1 | 3433.7 |
| | % Fixture | 57.9 | 15.2 | 73.1 |
| Total | Lumens | 3272.0 | 1426.2 | 4698.2 |
| | % Fixture | 69.6 | 30.4 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 59.5 | 1.3 |
| 10°-20° | 142.3 | 3.0 |
| 20°-30° | 193.6 | 4.1 |
| 30°-40° | 264.6 | 5.6 |
| 40°-50° | 398.6 | 8.5 |
| 50°-60° | 631.8 | 13.4 |
| 60°-70° | 836.4 | 17.8 |
| 70°-80° | 666.3 | 14.2 |
| 80°-90° | 79.0 | 1.7 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.5 |
| 110°-120° | 153.0 | 3.3 |
| 120°-130° | 223.9 | 4.8 |
| 130°-140° | 265.6 | 5.7 |
| 140°-150° | 269.3 | 5.7 |
| 150°-160° | 231.1 | 4.9 |
| 160°-170° | 155.1 | 3.3 |
| 170°-180° | 54.3 | 1.2 |
| 0°-90° | 3272.0 | 69.6 |
| 0°-180° | 4698.2 | 100.0 |



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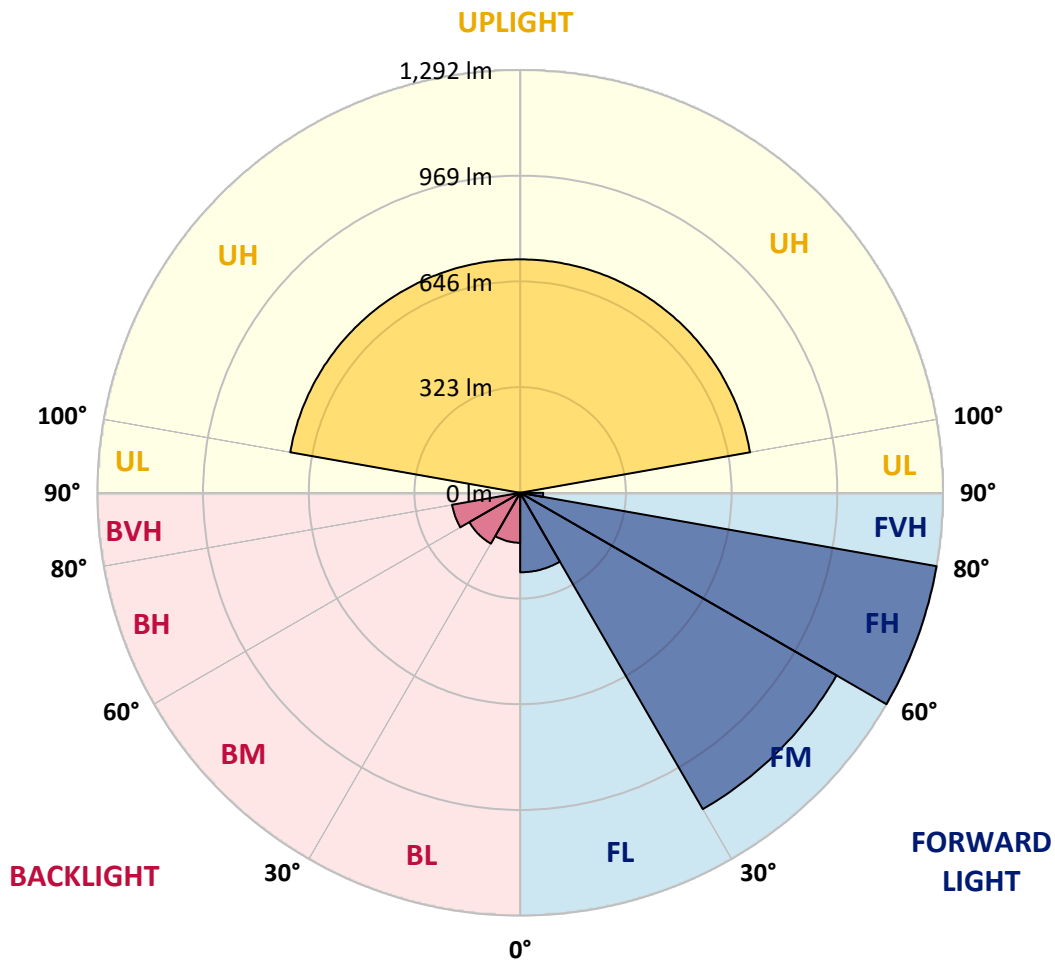
CATALOG NUMBER: ISC-AF-600-LED-E1-SL2-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 242.8 | 5.2 | | | |
| FM | (30°-60°) | 1115.8 | 23.7 | | | |
| FH | (60°-80°) | 1291.6 | 27.5 | | | G1/1800 |
| FVH | (80°-90°) | 70.4 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 152.6 | 3.2 | B1/500 | | |
| BM | (30°-60°) | 179.2 | 3.8 | B0/220 | | |
| BH | (60°-80°) | 211.0 | 4.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 8.5 | 0.2 | | | G0/10 |
| UL | (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH | (100°-180°) | 713.1 | 15.2 | | U4/1000 | |

BUG Rating: B1-U5-G1

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° | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 |
| 2.5° | 669.3 | 667.0 | 667.0 | 670.4 | 676.1 | 671.6 | 675.0 | 675.0 | 676.1 | 679.6 | 680.7 |
| 5° | 620.2 | 615.6 | 620.2 | 624.7 | 637.3 | 635.0 | 638.4 | 641.9 | 648.7 | 649.9 | 659.0 |
| 7.5° | 575.6 | 573.3 | 576.8 | 585.9 | 601.9 | 597.3 | 601.9 | 606.5 | 614.5 | 617.9 | 627.0 |
| 10° | 541.4 | 537.9 | 542.5 | 549.4 | 565.4 | 564.2 | 566.5 | 572.2 | 581.3 | 583.6 | 595.0 |
| 12.5° | 516.2 | 516.2 | 518.5 | 527.7 | 541.4 | 540.2 | 547.1 | 550.5 | 558.5 | 560.8 | 573.3 |
| 15° | 503.7 | 500.2 | 504.8 | 512.8 | 526.5 | 526.5 | 531.1 | 534.5 | 545.9 | 547.1 | 558.5 |
| 17.5° | 492.3 | 493.4 | 494.5 | 503.7 | 516.2 | 514.0 | 519.7 | 521.9 | 534.5 | 532.2 | 545.9 |
| 20° | 492.3 | 494.5 | 493.4 | 499.1 | 508.2 | 503.7 | 510.5 | 511.7 | 525.4 | 521.9 | 536.8 |
| 22.5° | 506.0 | 508.2 | 504.8 | 503.7 | 507.1 | 503.7 | 507.1 | 509.4 | 519.7 | 517.4 | 531.1 |
| 25° | 529.9 | 534.5 | 529.9 | 521.9 | 518.5 | 509.4 | 511.7 | 515.1 | 523.1 | 517.4 | 529.9 |
| 27.5° | 567.6 | 571.1 | 563.1 | 555.1 | 539.1 | 528.8 | 525.4 | 524.2 | 533.4 | 524.2 | 534.5 |
| 30° | 611.0 | 615.6 | 608.8 | 593.9 | 571.1 | 553.9 | 547.1 | 543.6 | 549.4 | 535.7 | 545.9 |
| 32.5° | 657.9 | 662.4 | 657.9 | 646.4 | 615.6 | 590.5 | 581.3 | 573.3 | 577.9 | 559.6 | 564.2 |
| 35° | 705.8 | 710.4 | 715.0 | 708.1 | 668.1 | 639.6 | 624.7 | 617.9 | 616.7 | 593.9 | 595.0 |
| 37.5° | 748.1 | 752.7 | 767.5 | 774.4 | 737.8 | 699.0 | 685.3 | 670.4 | 671.6 | 639.6 | 639.6 |
| 40° | 799.5 | 805.2 | 824.6 | 840.6 | 816.6 | 769.8 | 753.8 | 737.8 | 737.8 | 695.6 | 696.7 |
| 42.5° | 869.2 | 876.0 | 888.6 | 910.3 | 902.3 | 854.3 | 837.2 | 815.5 | 817.8 | 767.5 | 766.4 |
| 45° | 967.4 | 971.9 | 971.9 | 985.7 | 986.8 | 941.1 | 929.7 | 908.0 | 912.6 | 848.6 | 852.0 |
| 47.5° | 1095.3 | 1089.6 | 1066.7 | 1074.7 | 1083.9 | 1035.9 | 1025.6 | 1011.9 | 1017.6 | 949.1 | 956.0 |
| 50° | 1214.1 | 1209.5 | 1162.7 | 1165.0 | 1198.1 | 1149.0 | 1145.5 | 1128.4 | 1136.4 | 1067.9 | 1078.2 |
| 52.5° | 1258.6 | 1250.6 | 1203.8 | 1228.9 | 1321.4 | 1294.0 | 1299.7 | 1291.7 | 1296.3 | 1223.2 | 1220.9 |
| 55° | 1208.4 | 1208.4 | 1179.8 | 1225.5 | 1413.9 | 1428.8 | 1475.6 | 1493.9 | 1513.3 | 1440.2 | 1424.2 |
| 57.5° | 1069.0 | 1078.2 | 1082.7 | 1163.8 | 1399.1 | 1463.1 | 1552.1 | 1629.8 | 1729.2 | 1724.6 | 1748.6 |
| 60° | 838.3 | 854.3 | 880.6 | 1013.1 | 1335.1 | 1440.2 | 1555.6 | 1672.1 | 1809.1 | 1897.1 | 2027.3 |
| 62.5° | 588.2 | 601.9 | 623.6 | 715.0 | 1149.0 | 1329.4 | 1496.2 | 1675.5 | 1850.2 | 1988.4 | 2159.8 |
| 65° | 399.7 | 413.4 | 459.1 | 509.4 | 693.3 | 956.0 | 1210.6 | 1507.6 | 1773.7 | 2030.7 | 2261.4 |
| 67.5° | 287.8 | 295.8 | 331.2 | 415.7 | 461.4 | 509.4 | 604.2 | 953.7 | 1281.5 | 1798.8 | 2135.8 |
| 70° | 215.9 | 223.9 | 255.8 | 349.5 | 405.5 | 418.0 | 440.9 | 502.5 | 585.9 | 1010.8 | 1452.8 |
| 71° | 180.5 | 191.9 | 230.7 | 328.9 | 403.2 | 413.4 | 423.7 | 460.3 | 487.7 | 715.0 | 1078.2 |
| 72.5° | 126.8 | 134.8 | 171.3 | 303.8 | 387.2 | 411.2 | 435.1 | 434.0 | 431.7 | 487.7 | 652.2 |
| 75° | 81.1 | 81.1 | 81.1 | 171.3 | 413.4 | 398.6 | 407.7 | 456.8 | 431.7 | 410.0 | 429.4 |
| 77.5° | 64.0 | 62.8 | 59.4 | 85.7 | 323.2 | 404.3 | 428.3 | 440.9 | 464.8 | 428.3 | 408.9 |
| 80° | 48.0 | 46.8 | 46.8 | 53.7 | 149.6 | 261.5 | 362.1 | 402.0 | 419.2 | 455.7 | 415.7 |
| 82.5° | 25.1 | 25.1 | 27.4 | 32.0 | 56.0 | 91.4 | 187.3 | 308.4 | 344.9 | 347.2 | 350.6 |
| 85° | 8.0 | 6.9 | 9.1 | 14.8 | 24.0 | 29.7 | 52.5 | 124.5 | 185.0 | 223.9 | 236.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 4.6 | 8.0 | 10.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.2 | 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-600-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-600-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° | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 |
| 2.5° | 677.3 | 681.8 | 678.4 | 683.0 | 677.3 | 684.1 | 678.4 | 681.8 | 683.0 | 678.4 | 684.1 |
| 5° | 653.3 | 667.0 | 662.4 | 672.7 | 668.1 | 677.3 | 672.7 | 681.8 | 681.8 | 678.4 | 686.4 |
| 7.5° | 623.6 | 637.3 | 638.4 | 648.7 | 648.7 | 660.1 | 660.1 | 669.3 | 673.9 | 673.9 | 685.3 |
| 10° | 593.9 | 606.5 | 608.8 | 620.2 | 622.5 | 636.2 | 636.2 | 648.7 | 657.9 | 661.3 | 675.0 |
| 12.5° | 571.1 | 587.1 | 587.1 | 599.6 | 597.3 | 617.9 | 620.2 | 631.6 | 640.7 | 648.7 | 667.0 |
| 15° | 557.4 | 572.2 | 572.2 | 584.8 | 582.5 | 603.0 | 606.5 | 617.9 | 631.6 | 636.2 | 661.3 |
| 17.5° | 543.6 | 558.5 | 555.1 | 572.2 | 571.1 | 593.9 | 591.6 | 608.8 | 620.2 | 627.0 | 655.6 |
| 20° | 532.2 | 549.4 | 547.1 | 564.2 | 559.6 | 584.8 | 584.8 | 601.9 | 613.3 | 619.0 | 652.2 |
| 22.5° | 526.5 | 544.8 | 540.2 | 557.4 | 553.9 | 579.1 | 579.1 | 596.2 | 608.8 | 617.9 | 651.0 |
| 25° | 526.5 | 542.5 | 537.9 | 557.4 | 551.6 | 579.1 | 577.9 | 595.0 | 607.6 | 615.6 | 652.2 |
| 27.5° | 528.8 | 544.8 | 541.4 | 559.6 | 555.1 | 579.1 | 581.3 | 596.2 | 608.8 | 617.9 | 654.4 |
| 30° | 536.8 | 551.6 | 543.6 | 560.8 | 557.4 | 580.2 | 579.1 | 595.0 | 607.6 | 619.0 | 654.4 |
| 32.5° | 553.9 | 561.9 | 551.6 | 566.5 | 559.6 | 582.5 | 582.5 | 593.9 | 608.8 | 622.5 | 654.4 |
| 35° | 577.9 | 583.6 | 567.6 | 577.9 | 565.4 | 588.2 | 587.1 | 599.6 | 611.0 | 622.5 | 656.7 |
| 37.5° | 612.2 | 619.0 | 593.9 | 603.0 | 582.5 | 600.8 | 596.2 | 611.0 | 622.5 | 629.3 | 668.1 |
| 40° | 663.6 | 665.9 | 632.7 | 639.6 | 611.0 | 627.0 | 615.6 | 636.2 | 641.9 | 646.4 | 685.3 |
| 42.5° | 726.4 | 728.7 | 686.4 | 691.0 | 654.4 | 668.1 | 648.7 | 670.4 | 678.4 | 677.3 | 719.5 |
| 45° | 804.1 | 805.2 | 757.2 | 760.7 | 718.4 | 729.8 | 705.8 | 724.1 | 729.8 | 726.4 | 769.8 |
| 47.5° | 888.6 | 897.7 | 844.0 | 848.6 | 804.1 | 809.8 | 780.1 | 800.6 | 800.6 | 797.2 | 841.7 |
| 50° | 1000.5 | 1014.2 | 951.4 | 958.2 | 906.8 | 911.4 | 877.1 | 898.8 | 896.6 | 887.4 | 937.7 |
| 52.5° | 1139.8 | 1152.4 | 1086.2 | 1095.3 | 1040.5 | 1042.8 | 1000.5 | 1025.6 | 1018.8 | 1003.9 | 1062.2 |
| 55° | 1310.0 | 1311.2 | 1249.5 | 1257.5 | 1202.7 | 1199.2 | 1146.7 | 1177.5 | 1167.2 | 1146.7 | 1200.4 |
| 57.5° | 1583.0 | 1549.9 | 1448.2 | 1445.9 | 1386.5 | 1382.0 | 1314.6 | 1352.3 | 1335.1 | 1291.7 | 1362.6 |
| 60° | 2022.7 | 2033.0 | 1773.7 | 1733.7 | 1623.0 | 1602.4 | 1513.3 | 1556.7 | 1536.2 | 1465.3 | 1535.0 |
| 62.5° | 2270.5 | 2433.9 | 2417.9 | 2274.0 | 1988.4 | 1910.8 | 1760.0 | 1811.4 | 1757.7 | 1653.8 | 1718.9 |
| 65° | 2454.4 | 2676.0 | 2803.9 | 2942.1 | 2814.2 | 2496.7 | 2140.3 | 2212.3 | 2080.9 | 1883.4 | 1946.2 |
| 67.5° | 2522.9 | 2790.2 | 3059.7 | 3256.2 | 3389.8 | 3413.8 | 3001.5 | 3020.9 | 2697.7 | 2302.5 | 2310.5 |
| 70° | 2164.3 | 2558.4 | 3086.0 | 3335.0 | 3600.0 | 3730.2 | 3773.6 | 3753.0 | 3544.0 | 2984.4 | 2770.8 |
| 71° | 1834.2 | 2311.7 | 2980.9 | 3258.5 | 3597.7 | 3723.3 | 3837.5 | 3798.7 | 3701.6 | 3255.0 | 2927.3 |
| 72.5° | 1242.6 | 1842.2 | 2673.7 | 3025.5 | 3477.8 | 3569.1 | 3740.4 | 3671.9 | 3651.4 | 3457.2 | 3073.4 |
| 75° | 584.8 | 918.3 | 1739.5 | 2271.7 | 2943.2 | 3031.2 | 3210.5 | 3126.0 | 3072.3 | 3138.6 | 2923.8 |
| 77.5° | 430.6 | 501.4 | 954.8 | 1411.7 | 2140.3 | 2264.8 | 2419.0 | 2315.1 | 2246.6 | 2312.8 | 2163.2 |
| 80° | 391.7 | 394.0 | 494.5 | 744.7 | 1276.9 | 1351.1 | 1409.4 | 1324.9 | 1220.9 | 1216.4 | 1078.2 |
| 82.5° | 360.9 | 341.5 | 320.9 | 394.0 | 654.4 | 622.5 | 575.6 | 533.4 | 414.6 | 332.4 | 239.8 |
| 85° | 229.6 | 251.3 | 228.4 | 215.9 | 260.4 | 214.7 | 170.2 | 163.3 | 115.4 | 77.7 | 72.0 |
| 87.5° | 16.0 | 18.3 | 21.7 | 25.1 | 30.8 | 25.1 | 16.0 | 19.4 | 11.4 | 0.0 | 5.7 |
| 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° | 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: P228124

CATALOG NUMBER: ISC-AF-600-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 |



REPORT NUMBER: P228124

CATALOG NUMBER: ISC-AF-600-LED-E1-SL2-7030-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------|
| 0° | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 |
| 2.5° | 676.1 | 681.8 | 684.1 | 683.0 | 680.7 | 678.4 | 670.4 | 676.1 | 668.1 | 673.9 | 667.0 |
| 5° | 679.6 | 687.6 | 688.7 | 686.4 | 684.1 | 679.6 | 665.9 | 673.9 | 664.7 | 669.3 | 659.0 |
| 7.5° | 678.4 | 691.0 | 692.1 | 689.8 | 685.3 | 677.3 | 663.6 | 669.3 | 654.4 | 657.9 | 644.2 |
| 10° | 672.7 | 691.0 | 692.1 | 686.4 | 679.6 | 667.0 | 651.0 | 653.3 | 638.4 | 638.4 | 620.2 |
| 12.5° | 667.0 | 688.7 | 694.4 | 686.4 | 675.0 | 657.9 | 639.6 | 637.3 | 620.2 | 619.0 | 598.5 |
| 15° | 667.0 | 691.0 | 699.0 | 688.7 | 671.6 | 647.6 | 625.9 | 621.3 | 601.9 | 596.2 | 573.3 |
| 17.5° | 665.9 | 691.0 | 702.4 | 688.7 | 668.1 | 637.3 | 609.9 | 605.3 | 580.2 | 571.1 | 544.8 |
| 20° | 664.7 | 693.3 | 704.7 | 686.4 | 657.9 | 624.7 | 593.9 | 584.8 | 557.4 | 542.5 | 511.7 |
| 22.5° | 663.6 | 697.8 | 707.0 | 684.1 | 651.0 | 608.8 | 576.8 | 560.8 | 528.8 | 509.4 | 472.8 |
| 25° | 669.3 | 703.5 | 708.1 | 681.8 | 640.7 | 591.6 | 557.4 | 535.7 | 500.2 | 475.1 | 431.7 |
| 27.5° | 671.6 | 709.3 | 710.4 | 677.3 | 628.2 | 573.3 | 536.8 | 507.1 | 467.1 | 436.3 | 387.2 |
| 30° | 678.4 | 710.4 | 707.0 | 668.1 | 613.3 | 550.5 | 512.8 | 476.3 | 431.7 | 391.7 | 333.5 |
| 32.5° | 680.7 | 713.8 | 704.7 | 657.9 | 598.5 | 527.7 | 485.4 | 443.1 | 389.5 | 342.6 | 271.8 |
| 35° | 685.3 | 716.1 | 702.4 | 652.2 | 582.5 | 503.7 | 456.8 | 408.9 | 347.2 | 287.8 | 206.7 |
| 37.5° | 692.1 | 726.4 | 708.1 | 649.9 | 574.5 | 483.1 | 424.9 | 373.5 | 297.0 | 227.3 | 137.1 |
| 40° | 709.3 | 746.9 | 718.4 | 653.3 | 568.8 | 466.0 | 394.0 | 336.9 | 239.8 | 167.9 | 94.8 |
| 42.5° | 743.5 | 782.4 | 744.7 | 670.4 | 572.2 | 451.1 | 362.1 | 298.1 | 181.6 | 119.9 | 78.8 |
| 45° | 794.9 | 828.0 | 788.1 | 699.0 | 585.9 | 443.1 | 332.4 | 258.1 | 130.2 | 95.9 | 72.0 |
| 47.5° | 870.3 | 902.3 | 852.0 | 744.7 | 609.9 | 439.7 | 301.5 | 215.9 | 100.5 | 86.8 | 69.7 |
| 50° | 969.7 | 1007.4 | 944.5 | 816.6 | 654.4 | 443.1 | 268.4 | 175.9 | 87.9 | 84.5 | 68.5 |
| 52.5° | 1091.9 | 1128.4 | 1065.6 | 922.8 | 727.5 | 462.6 | 233.0 | 153.0 | 83.4 | 83.4 | 67.4 |
| 55° | 1230.1 | 1281.5 | 1219.8 | 1070.2 | 840.6 | 504.8 | 211.3 | 145.0 | 83.4 | 84.5 | 66.2 |
| 57.5° | 1393.4 | 1436.8 | 1382.0 | 1211.8 | 976.5 | 574.5 | 213.6 | 153.0 | 83.4 | 84.5 | 65.1 |
| 60° | 1553.3 | 1607.0 | 1544.1 | 1392.2 | 1131.8 | 679.6 | 260.4 | 194.2 | 86.8 | 87.9 | 65.1 |
| 62.5° | 1720.0 | 1761.2 | 1709.8 | 1549.9 | 1307.7 | 809.8 | 354.1 | 281.0 | 100.5 | 103.9 | 69.7 |
| 65° | 1902.8 | 1970.2 | 1916.5 | 1785.1 | 1556.7 | 1017.6 | 532.2 | 421.4 | 148.5 | 121.1 | 76.5 |
| 67.5° | 2219.1 | 2246.6 | 2220.3 | 2100.4 | 1848.0 | 1188.9 | 633.9 | 428.3 | 148.5 | 117.6 | 85.7 |
| 70° | 2647.4 | 2585.8 | 2468.1 | 2244.3 | 1878.8 | 1066.7 | 454.6 | 261.5 | 126.8 | 111.9 | 90.2 |
| 71° | 2746.8 | 2652.0 | 2478.4 | 2208.9 | 1814.8 | 962.8 | 352.9 | 206.7 | 118.8 | 109.6 | 90.2 |
| 72.5° | 2807.3 | 2665.7 | 2403.0 | 2104.9 | 1689.2 | 758.4 | 233.0 | 162.2 | 108.5 | 103.9 | 86.8 |
| 75° | 2728.5 | 2467.0 | 2122.1 | 1821.7 | 1383.1 | 394.0 | 146.2 | 123.3 | 92.5 | 90.2 | 75.4 |
| 77.5° | 2166.6 | 1937.0 | 1565.8 | 1323.7 | 889.7 | 174.7 | 105.1 | 93.7 | 73.1 | 70.8 | 58.2 |
| 80° | 1010.8 | 810.9 | 475.1 | 407.7 | 279.8 | 102.8 | 72.0 | 64.0 | 52.5 | 50.3 | 41.1 |
| 82.5° | 183.9 | 138.2 | 107.4 | 103.9 | 93.7 | 60.5 | 42.3 | 38.8 | 33.1 | 32.0 | 26.3 |
| 85° | 62.8 | 60.5 | 45.7 | 45.7 | 46.8 | 32.0 | 24.0 | 22.8 | 17.1 | 17.1 | 11.4 |
| 87.5° | 1.1 | 5.7 | 5.7 | 8.0 | 6.9 | 5.7 | 2.3 | 3.4 | 1.1 | 3.4 | 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° | 4.8 | 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 |



REPORT NUMBER: P228124
 CATALOG NUMBER: ISC-AF-600-LED-E1-SL2-7030-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° |
| | | | | | | | | | | | | 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: P228124
 NUMBER: ISC-AF-600-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° |
|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 681.8 | 110° | 114.0 |
| 672.7 | 663.6 | 671.6 | 663.6 | 668.1 | 659.0 | 664.7 | 661.3 | 661.3 | 657.9 | 655.6 | 112.5° | 136.0 |
| 662.4 | 651.0 | 656.7 | 647.6 | 652.2 | 638.4 | 641.9 | 636.2 | 624.7 | 617.9 | 608.8 | 115° | 158.0 |
| 647.6 | 630.5 | 635.0 | 621.3 | 624.7 | 606.5 | 609.9 | 599.6 | 577.9 | 564.2 | 550.5 | 117.5° | 181.0 |
| 621.3 | 605.3 | 606.5 | 589.3 | 588.2 | 569.9 | 566.5 | 552.8 | 520.8 | 498.0 | 479.7 | 120° | 204.0 |
| 595.0 | 576.8 | 574.5 | 553.9 | 550.5 | 528.8 | 524.2 | 502.5 | 455.7 | 411.2 | 382.6 | 122.5° | 228.0 |
| 567.6 | 544.8 | 537.9 | 516.2 | 503.7 | 485.4 | 472.8 | 440.9 | 373.5 | 315.2 | 277.5 | 125° | 254.0 |
| 536.8 | 507.1 | 496.8 | 471.7 | 453.4 | 426.0 | 407.7 | 364.3 | 277.5 | 214.7 | 188.5 | 127.5° | 277.0 |
| 496.8 | 464.8 | 446.6 | 414.6 | 390.6 | 357.5 | 334.6 | 278.7 | 185.0 | 153.0 | 149.6 | 130° | 301.0 |
| 452.3 | 414.6 | 391.7 | 351.8 | 322.1 | 286.7 | 250.1 | 188.5 | 131.3 | 124.5 | 129.1 | 132.5° | 325.0 |
| 405.5 | 358.6 | 328.9 | 279.8 | 239.8 | 198.7 | 164.5 | 125.6 | 107.4 | 106.2 | 113.1 | 135° | 348.0 |
| 349.5 | 295.8 | 253.6 | 195.3 | 158.8 | 126.8 | 111.9 | 99.4 | 91.4 | 92.5 | 99.4 | 137.5° | 369.0 |
| 287.8 | 218.1 | 173.6 | 122.2 | 106.2 | 92.5 | 90.2 | 85.7 | 82.2 | 84.5 | 89.1 | 140° | 390.0 |
| 214.7 | 139.3 | 111.9 | 87.9 | 86.8 | 78.8 | 81.1 | 78.8 | 77.7 | 78.8 | 82.2 | 142.5° | 412.0 |
| 145.0 | 92.5 | 87.9 | 75.4 | 77.7 | 72.0 | 75.4 | 74.2 | 73.1 | 73.1 | 75.4 | 145° | 433.0 |
| 100.5 | 76.5 | 78.8 | 69.7 | 73.1 | 68.5 | 72.0 | 70.8 | 69.7 | 68.5 | 69.7 | 147.5° | 452.0 |
| 83.4 | 69.7 | 73.1 | 66.2 | 69.7 | 65.1 | 68.5 | 67.4 | 66.2 | 64.0 | 64.0 | 150° | 469.0 |
| 76.5 | 66.2 | 69.7 | 62.8 | 67.4 | 61.7 | 66.2 | 64.0 | 61.7 | 59.4 | 60.5 | 152.5° | 486.0 |
| 74.2 | 64.0 | 67.4 | 60.5 | 65.1 | 59.4 | 62.8 | 61.7 | 57.1 | 56.0 | 57.1 | 155° | 503.0 |
| 72.0 | 62.8 | 66.2 | 59.4 | 62.8 | 57.1 | 60.5 | 58.2 | 53.7 | 52.5 | 53.7 | 157.5° | 517.0 |
| 70.8 | 60.5 | 64.0 | 57.1 | 60.5 | 56.0 | 58.2 | 56.0 | 51.4 | 50.3 | 50.3 | 160° | 530.0 |
| 69.7 | 59.4 | 62.8 | 54.8 | 58.2 | 51.4 | 54.8 | 52.5 | 48.0 | 46.8 | 46.8 | 162.5° | 540.0 |
| 69.7 | 58.2 | 60.5 | 52.5 | 56.0 | 49.1 | 51.4 | 49.1 | 46.8 | 44.5 | 44.5 | 165° | 550.0 |
| 68.5 | 56.0 | 59.4 | 50.3 | 52.5 | 46.8 | 49.1 | 46.8 | 43.4 | 42.3 | 42.3 | 167.5° | 558.0 |
| 68.5 | 54.8 | 58.2 | 49.1 | 51.4 | 44.5 | 46.8 | 44.5 | 41.1 | 40.0 | 40.0 | 170° | 564.0 |
| 72.0 | 57.1 | 59.4 | 50.3 | 51.4 | 44.5 | 45.7 | 42.3 | 38.8 | 38.8 | 37.7 | 172.5° | 567.0 |
| 78.8 | 64.0 | 64.0 | 52.5 | 52.5 | 44.5 | 45.7 | 41.1 | 36.5 | 36.5 | 36.5 | 175° | 570.0 |
| 85.7 | 70.8 | 69.7 | 56.0 | 54.8 | 44.5 | 44.5 | 38.8 | 34.3 | 34.3 | 34.3 | 177.5° | 574.0 |
| 90.2 | 74.2 | 72.0 | 57.1 | 54.8 | 43.4 | 42.3 | 36.5 | 32.0 | 32.0 | 32.0 | 180° | 576.0 |
| 89.1 | 74.2 | 70.8 | 56.0 | 52.5 | 41.1 | 41.1 | 35.4 | 30.8 | 30.8 | 29.7 | | |
| 84.5 | 69.7 | 66.2 | 52.5 | 50.3 | 38.8 | 38.8 | 33.1 | 28.6 | 28.6 | 27.4 | | |
| 72.0 | 59.4 | 56.0 | 44.5 | 42.3 | 34.3 | 33.1 | 27.4 | 25.1 | 24.0 | 24.0 | | |
| 56.0 | 46.8 | 43.4 | 35.4 | 34.3 | 27.4 | 26.3 | 22.8 | 20.6 | 20.6 | 19.4 | | |
| 40.0 | 33.1 | 30.8 | 24.0 | 21.7 | 18.3 | 19.4 | 17.1 | 16.0 | 16.0 | 14.8 | | |
| 24.0 | 17.1 | 17.1 | 13.7 | 14.8 | 11.4 | 12.6 | 12.6 | 11.4 | 9.1 | 9.1 | | |
| 12.6 | 8.0 | 10.3 | 5.7 | 8.0 | 3.4 | 5.7 | 4.6 | 4.6 | 3.4 | 3.4 | | |
| 2.3 | 0.0 | 1.1 | 0.0 | 1.1 | 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 | | |

'228124
 ISC-AF-600-LED-E1-SL2-7030-ULG

REPORT NUMBER: P228124
 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° | 681.8 | 681.8 |
| 136.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 134.0 | 132.0 | 129.0 | 126.0 | 2.5° | 648.7 | 649.9 |
| 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 151.0 | 149.0 | 5° | 604.2 | 606.5 |
| 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 174.0 | 172.0 | 7.5° | 540.2 | 543.6 |
| 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 198.0 | 196.0 | 10° | 463.7 | 466.0 |
| 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 223.0 | 221.0 | 12.5° | 365.5 | 365.5 |
| 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 248.0 | 247.0 | 15° | 255.8 | 258.1 |
| 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 272.0 | 270.0 | 17.5° | 179.3 | 180.5 |
| 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 294.0 | 293.0 | 20° | 150.8 | 151.9 |
| 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 318.0 | 317.0 | 22.5° | 134.8 | 135.9 |
| 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 341.0 | 339.0 | 25° | 119.9 | 121.1 |
| 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 364.0 | 363.0 | 27.5° | 103.9 | 105.1 |
| 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 386.0 | 385.0 | 30° | 93.7 | 94.8 |
| 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 407.0 | 408.0 | 32.5° | 84.5 | 85.7 |
| 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 428.0 | 428.0 | 35° | 76.5 | 76.5 |
| 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 448.0 | 447.0 | 37.5° | 70.8 | 70.8 |
| 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 465.0 | 464.0 | 40° | 65.1 | 65.1 |
| 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 482.0 | 483.0 | 42.5° | 61.7 | 61.7 |
| 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 501.0 | 502.0 | 45° | 58.2 | 58.2 |
| 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 516.0 | 517.0 | 47.5° | 54.8 | 54.8 |
| 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 529.0 | 529.0 | 50° | 51.4 | 52.5 |
| 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 538.0 | 539.0 | 52.5° | 48.0 | 48.0 |
| 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 548.0 | 549.0 | 55° | 44.5 | 44.5 |
| 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 558.0 | 559.0 | 57.5° | 41.1 | 42.3 |
| 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 565.0 | 566.0 | 60° | 38.8 | 38.8 |
| 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 567.0 | 569.0 | 62.5° | 36.5 | 36.5 |
| 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 569.0 | 570.0 | 65° | 35.4 | 35.4 |
| 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 574.0 | 575.0 | 67.5° | 33.1 | 33.1 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 70° | 30.8 | 30.8 |
| | | | | | | | | | | 71° | 29.7 | 29.7 |
| | | | | | | | | | | 72.5° | 27.4 | 27.4 |
| | | | | | | | | | | 75° | 24.0 | 22.8 |
| | | | | | | | | | | 77.5° | 19.4 | 19.4 |
| | | | | | | | | | | 80° | 14.8 | 13.7 |
| | | | | | | | | | | 82.5° | 9.1 | 8.0 |
| | | | | | | | | | | 85° | 3.4 | 2.3 |
| | | | | | | | | | | 87.5° | 0.0 | 0.0 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 1.0 | 1.0 |
| | | | | | | | | | | 97.5° | 2.0 | 2.0 |
| | | | | | | | | | | 100° | 8.0 | 8.0 |
| | | | | | | | | | | 102.5° | 28.0 | 28.0 |
| | | | | | | | | | | 105° | 54.0 | 54.0 |
| | | | | | | | | | | 107.5° | 77.0 | 78.0 |



REPORT NUMBER: P228124

CATALOG NUMBER: ISC-AF-600-LED-E1-5

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

