

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: P227605

Luminaire Tested: **ISC-AF-800-LED-E1-T2-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29758)-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-800-LED-E1-T2-8030-ULG
Description: IMPACT ELITE LED CYLINDER LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE II, 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: 5335.2 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U5 - G1

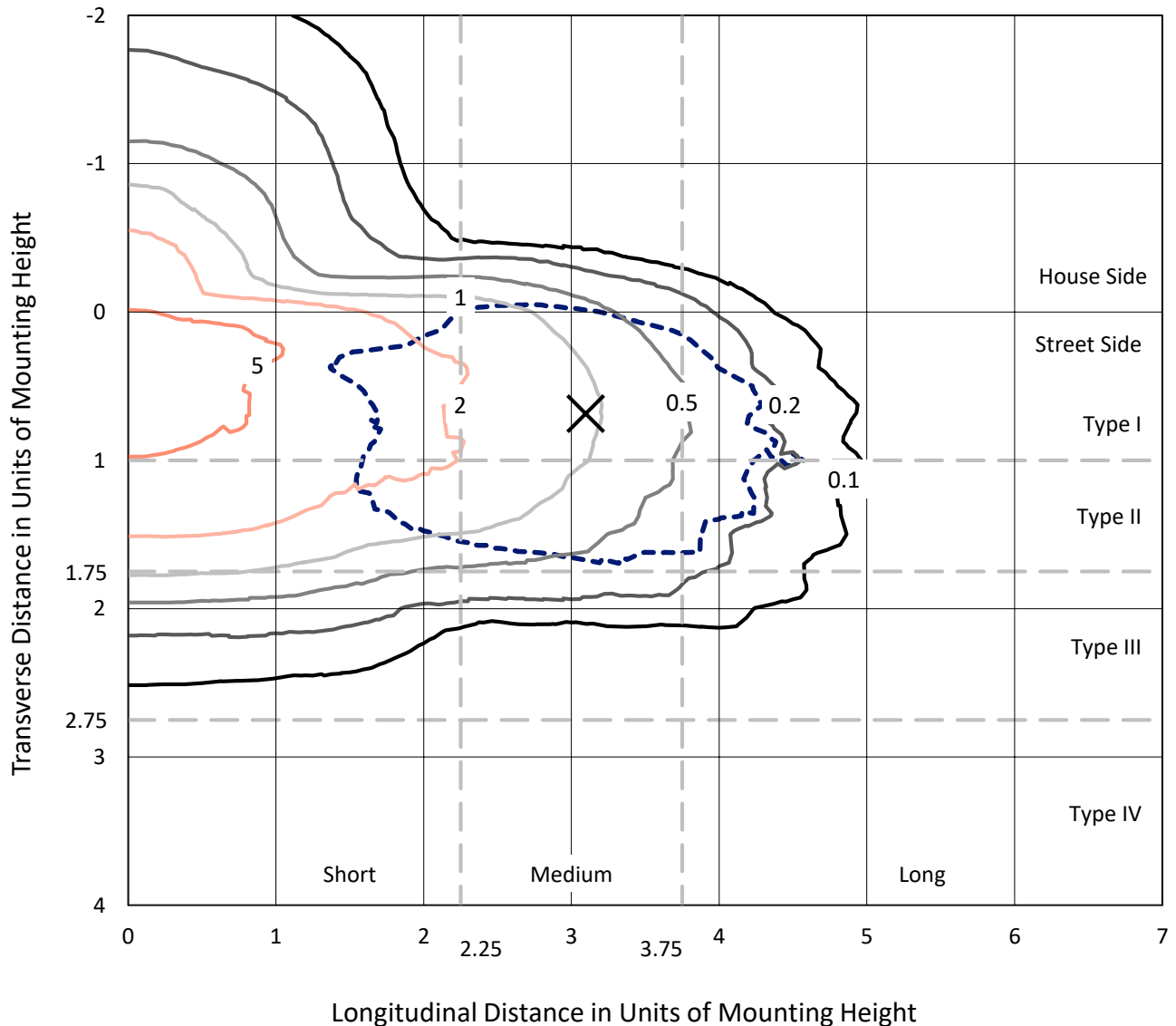
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P227605
 CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

Iso-Footcandle Lines of Horizontal Illumination

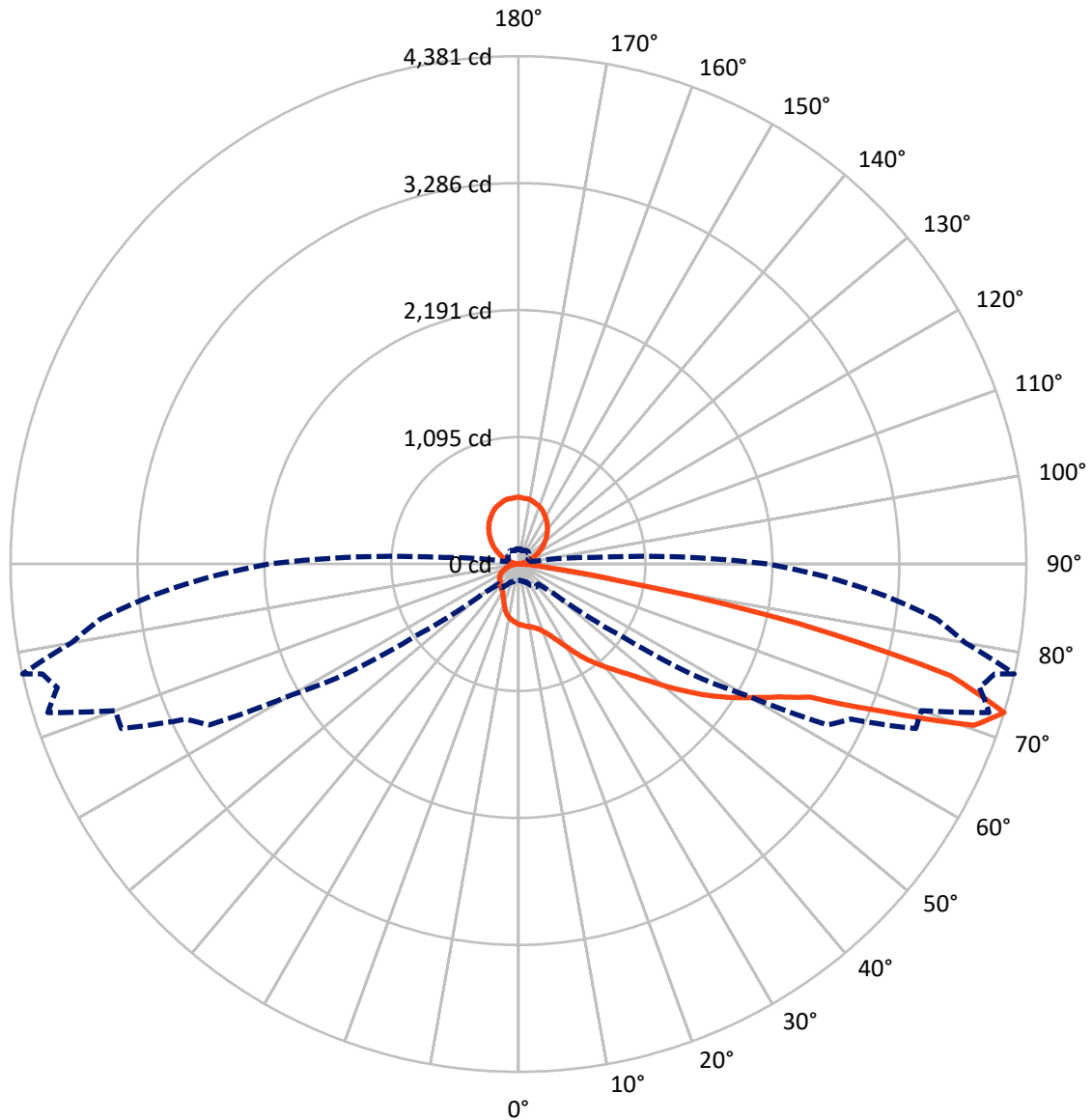
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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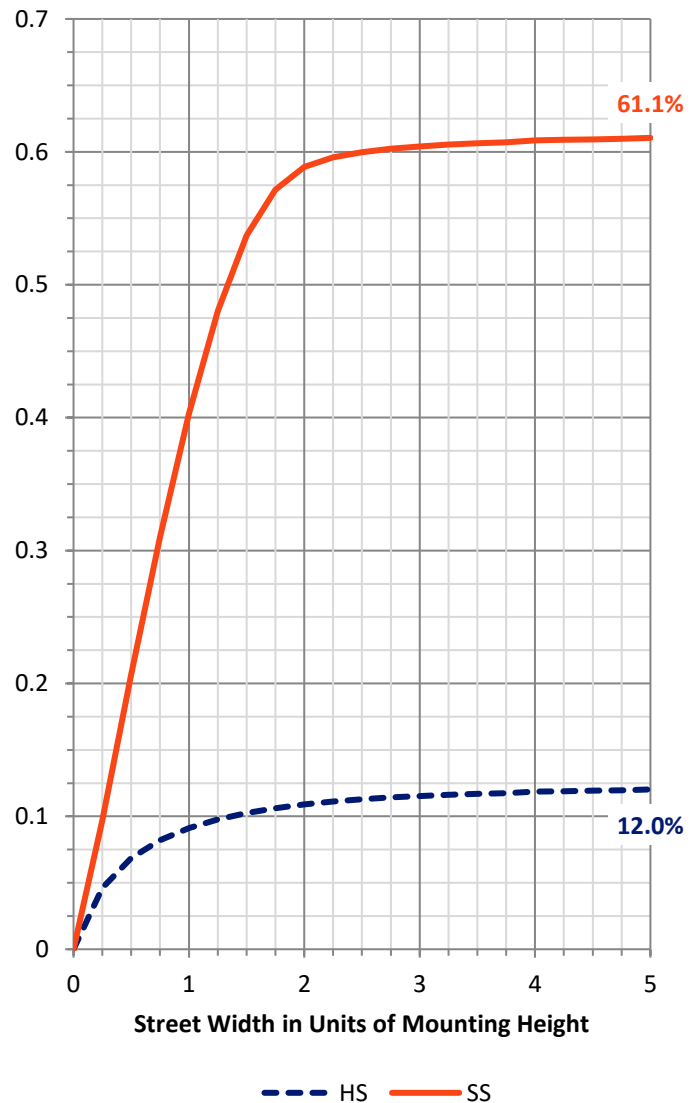
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 647.7 | 713.1 | 1360.8 |
| | % Fixture | 12.1 | 13.4 | 25.5 |
| Street Side | Lumens | 3261.3 | 713.1 | 3974.4 |
| | % Fixture | 61.1 | 13.4 | 74.5 |
| Total | Lumens | 3909.0 | 1426.2 | 5335.2 |
| | % Fixture | 73.3 | 26.7 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 48.5 | 0.9 |
| 10°-20° | 148.6 | 2.8 |
| 20°-30° | 263.9 | 4.9 |
| 30°-40° | 418.1 | 7.8 |
| 40°-50° | 627.2 | 11.8 |
| 50°-60° | 812.8 | 15.2 |
| 60°-70° | 923.5 | 17.3 |
| 70°-80° | 612.8 | 11.5 |
| 80°-90° | 53.6 | 1.0 |
| 90°-100° | 4.7 | 0.1 |
| 100°-110° | 69.0 | 1.3 |
| 110°-120° | 153.0 | 2.9 |
| 120°-130° | 223.9 | 4.2 |
| 130°-140° | 265.6 | 5.0 |
| 140°-150° | 269.3 | 5.0 |
| 150°-160° | 231.1 | 4.3 |
| 160°-170° | 155.1 | 2.9 |
| 170°-180° | 54.3 | 1.0 |
| 0°-90° | 3909.0 | 73.3 |
| 0°-180° | 5335.2 | 100.0 |



REPORT NUMBER: P227605

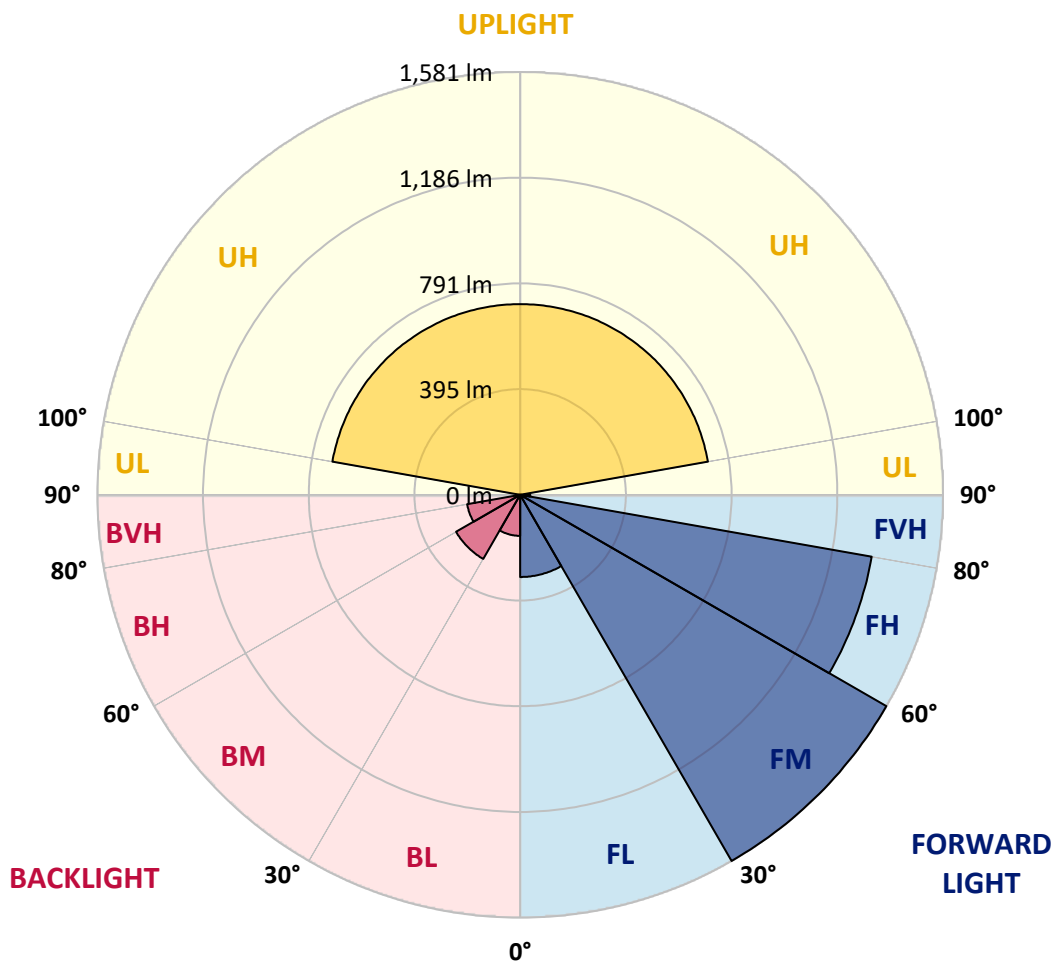
CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 307.5 | 5.8 | | | |
| FM (30°-60°) | 1581.4 | 29.6 | | | |
| FH (60°-80°) | 1334.9 | 25.0 | | | G1/1800 |
| FVH (80°-90°) | 37.5 | 0.7 | | | G1/100 |
| BL (0°-30°) | 153.5 | 2.9 | B1/500 | | |
| BM (30°-60°) | 276.7 | 5.2 | B1/1000 | | |
| BH (60°-80°) | 201.4 | 3.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 16.1 | 0.3 | | | G1/100 |
| UL (90°-100°) | 4.7 | 0.1 | | U1/10 | |
| UH (100°-180°) | 713.1 | 13.4 | | U4/1000 | |

BUG Rating: B1-U5-G1

Type II Medium





REPORT NUMBER: P227605

CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 |
| 2.5° | 565.4 | 562.8 | 561.5 | 558.8 | 556.2 | 554.9 | 550.9 | 548.3 | 552.2 | 550.9 | 550.9 |
| 5° | 607.6 | 605.0 | 601.0 | 597.0 | 591.8 | 587.8 | 583.9 | 579.9 | 582.5 | 579.9 | 577.3 |
| 7.5° | 641.9 | 639.2 | 633.9 | 630.0 | 624.7 | 619.5 | 614.2 | 612.9 | 610.2 | 606.3 | 605.0 |
| 10° | 661.6 | 659.0 | 656.4 | 653.7 | 645.8 | 641.9 | 635.3 | 631.3 | 632.6 | 627.4 | 627.4 |
| 12.5° | 680.1 | 677.4 | 676.1 | 676.1 | 669.5 | 665.6 | 662.9 | 659.0 | 661.6 | 653.7 | 651.1 |
| 15° | 697.2 | 694.6 | 690.6 | 694.6 | 693.3 | 691.9 | 690.6 | 689.3 | 693.3 | 685.3 | 686.7 |
| 17.5° | 724.9 | 723.6 | 715.7 | 710.4 | 711.7 | 715.7 | 718.3 | 717.0 | 717.0 | 713.0 | 714.3 |
| 20° | 768.4 | 768.4 | 757.8 | 748.6 | 734.1 | 734.1 | 735.4 | 734.1 | 736.8 | 739.4 | 743.3 |
| 22.5° | 801.3 | 798.7 | 794.7 | 786.8 | 771.0 | 757.8 | 757.8 | 752.6 | 756.5 | 757.8 | 765.7 |
| 25° | 843.5 | 840.9 | 831.6 | 831.6 | 815.8 | 798.7 | 796.1 | 788.2 | 797.4 | 780.2 | 793.4 |
| 27.5° | 894.9 | 892.3 | 880.4 | 875.1 | 867.2 | 846.1 | 840.9 | 842.2 | 851.4 | 826.4 | 839.6 |
| 30° | 959.5 | 956.9 | 942.4 | 927.9 | 914.7 | 892.3 | 889.6 | 888.3 | 909.4 | 880.4 | 897.5 |
| 32.5° | 1041.2 | 1041.2 | 1025.4 | 1005.6 | 979.3 | 948.9 | 938.4 | 939.7 | 968.7 | 937.1 | 966.1 |
| 35° | 1165.1 | 1149.3 | 1120.3 | 1090.0 | 1062.3 | 1026.7 | 1012.2 | 1009.6 | 1035.9 | 1004.3 | 1037.3 |
| 37.5° | 1244.2 | 1233.6 | 1207.3 | 1184.9 | 1154.6 | 1120.3 | 1109.7 | 1113.7 | 1136.1 | 1090.0 | 1137.4 |
| 40° | 1315.3 | 1314.0 | 1296.9 | 1282.4 | 1252.1 | 1217.8 | 1231.0 | 1283.7 | 1343.0 | 1253.4 | 1254.7 |
| 42.5° | 1362.8 | 1365.4 | 1364.1 | 1365.4 | 1348.3 | 1312.7 | 1335.1 | 1408.9 | 1510.4 | 1457.7 | 1408.9 |
| 45° | 1370.7 | 1379.9 | 1383.9 | 1410.2 | 1427.4 | 1406.3 | 1418.1 | 1495.9 | 1698.9 | 1780.6 | 1560.5 |
| 47.5° | 1390.5 | 1399.7 | 1391.8 | 1423.4 | 1502.5 | 1501.2 | 1548.6 | 1577.6 | 1605.3 | 1618.5 | 1784.5 |
| 50° | 1416.8 | 1434.0 | 1426.1 | 1452.4 | 1517.0 | 1553.9 | 1594.8 | 1631.7 | 1609.3 | 1526.2 | 1571.0 |
| 52.5° | 1418.1 | 1437.9 | 1481.4 | 1507.8 | 1571.0 | 1563.1 | 1590.8 | 1571.0 | 1605.3 | 1519.6 | 1563.1 |
| 55° | 1302.2 | 1306.1 | 1432.6 | 1565.8 | 1676.5 | 1654.1 | 1636.9 | 1592.1 | 1635.6 | 1528.9 | 1584.2 |
| 57.5° | 1119.0 | 1132.1 | 1263.9 | 1488.0 | 1725.2 | 1745.0 | 1739.7 | 1735.8 | 1770.0 | 1627.7 | 1688.3 |
| 60° | 917.3 | 933.1 | 1058.3 | 1321.9 | 1623.8 | 1675.2 | 1746.3 | 1789.8 | 1878.1 | 1821.4 | 1921.6 |
| 62.5° | 572.0 | 583.9 | 722.3 | 1051.7 | 1432.6 | 1534.1 | 1638.2 | 1689.7 | 1817.5 | 1843.9 | 2013.9 |
| 65° | 272.8 | 276.8 | 330.8 | 572.0 | 1041.2 | 1232.3 | 1386.5 | 1495.9 | 1652.7 | 1771.4 | 2000.7 |
| 67.5° | 212.2 | 213.5 | 233.3 | 304.5 | 533.8 | 661.6 | 836.9 | 981.9 | 1149.3 | 1473.5 | 1758.2 |
| 70° | 170.0 | 170.0 | 185.8 | 224.1 | 330.8 | 347.9 | 392.8 | 441.5 | 512.7 | 773.7 | 1004.3 |
| 72.5° | 142.3 | 142.3 | 152.9 | 176.6 | 245.1 | 249.1 | 246.5 | 242.5 | 242.5 | 305.8 | 390.1 |
| 75° | 119.9 | 118.6 | 125.2 | 141.0 | 181.9 | 187.2 | 184.5 | 175.3 | 164.7 | 164.7 | 185.8 |
| 77.5° | 97.5 | 97.5 | 102.8 | 110.7 | 131.8 | 134.4 | 134.4 | 126.5 | 117.3 | 118.6 | 127.8 |
| 80° | 76.4 | 76.4 | 80.4 | 85.7 | 92.3 | 90.9 | 90.9 | 83.0 | 76.4 | 75.1 | 80.4 |
| 82.5° | 55.4 | 56.7 | 65.9 | 61.9 | 59.3 | 55.4 | 55.4 | 54.0 | 48.8 | 44.8 | 47.4 |
| 85° | 17.1 | 18.5 | 31.6 | 36.9 | 30.3 | 25.0 | 23.7 | 19.8 | 21.1 | 17.1 | 19.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 1.3 |
| 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 |
| 110° | 101.0 | 102.0 | 103.0 | 106.0 | 110.0 | 110.5 | 111.0 | 111.5 | 112.0 | 112.5 | 113.0 |



REPORT NUMBER: P227605

CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |



REPORT NUMBER: P227605
 CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 |
| 2.5° | 544.3 | 547.0 | 541.7 | 541.7 | 535.1 | 539.1 | 532.5 | 533.8 | 527.2 | 529.8 | 529.8 |
| 5° | 570.7 | 572.0 | 565.4 | 562.8 | 556.2 | 556.2 | 549.6 | 549.6 | 540.4 | 543.0 | 540.4 |
| 7.5° | 595.7 | 595.7 | 589.1 | 583.9 | 577.3 | 574.6 | 566.7 | 562.8 | 554.9 | 553.6 | 549.6 |
| 10° | 616.8 | 616.8 | 607.6 | 602.3 | 594.4 | 590.5 | 579.9 | 576.0 | 566.7 | 560.1 | 556.2 |
| 12.5° | 643.2 | 640.5 | 630.0 | 624.7 | 611.5 | 610.2 | 594.4 | 591.8 | 578.6 | 574.6 | 568.0 |
| 15° | 674.8 | 677.4 | 660.3 | 659.0 | 640.5 | 639.2 | 618.1 | 616.8 | 597.0 | 595.7 | 586.5 |
| 17.5° | 709.1 | 714.3 | 699.8 | 698.5 | 676.1 | 676.1 | 651.1 | 649.8 | 623.4 | 622.1 | 610.2 |
| 20° | 739.4 | 746.0 | 736.8 | 739.4 | 719.6 | 720.9 | 693.3 | 693.3 | 656.4 | 653.7 | 643.2 |
| 22.5° | 767.1 | 780.2 | 772.3 | 786.8 | 767.1 | 776.3 | 739.4 | 746.0 | 702.5 | 697.2 | 681.4 |
| 25° | 794.7 | 811.9 | 809.2 | 833.0 | 818.5 | 834.3 | 796.1 | 809.2 | 752.6 | 756.5 | 735.4 |
| 27.5° | 822.4 | 844.8 | 842.2 | 876.5 | 871.2 | 902.8 | 869.9 | 884.4 | 822.4 | 826.4 | 802.7 |
| 30° | 868.5 | 893.6 | 884.4 | 920.0 | 920.0 | 971.4 | 946.3 | 968.7 | 900.2 | 908.1 | 880.4 |
| 32.5° | 930.5 | 959.5 | 931.8 | 977.9 | 975.3 | 1042.5 | 1022.8 | 1061.0 | 993.8 | 1004.3 | 970.0 |
| 35° | 997.7 | 1043.8 | 999.0 | 1050.4 | 1042.5 | 1112.4 | 1099.2 | 1161.1 | 1090.0 | 1101.8 | 1067.6 |
| 37.5° | 1086.0 | 1141.4 | 1082.1 | 1126.9 | 1091.3 | 1171.7 | 1163.8 | 1248.1 | 1175.6 | 1206.0 | 1165.1 |
| 40° | 1190.1 | 1233.6 | 1159.8 | 1198.0 | 1138.7 | 1221.8 | 1208.6 | 1324.6 | 1257.4 | 1306.1 | 1269.2 |
| 42.5° | 1286.3 | 1316.7 | 1219.1 | 1266.6 | 1195.4 | 1279.8 | 1256.0 | 1395.7 | 1337.8 | 1412.9 | 1372.0 |
| 45° | 1373.3 | 1407.6 | 1278.4 | 1331.2 | 1252.1 | 1344.3 | 1303.5 | 1464.3 | 1424.7 | 1538.1 | 1497.2 |
| 47.5° | 1497.2 | 1447.1 | 1332.5 | 1401.0 | 1312.7 | 1414.2 | 1360.2 | 1544.7 | 1530.2 | 1691.0 | 1643.5 |
| 50° | 1456.4 | 1489.3 | 1377.3 | 1448.5 | 1368.1 | 1492.0 | 1432.6 | 1640.9 | 1644.8 | 1857.0 | 1829.4 |
| 52.5° | 1460.3 | 1515.7 | 1411.6 | 1510.4 | 1432.6 | 1600.0 | 1538.1 | 1756.9 | 1775.3 | 2017.8 | 1979.6 |
| 55° | 1484.0 | 1565.8 | 1463.0 | 1596.1 | 1523.6 | 1720.0 | 1676.5 | 1882.1 | 1913.7 | 2169.4 | 2147.0 |
| 57.5° | 1543.4 | 1656.7 | 1551.3 | 1725.2 | 1650.1 | 1857.0 | 1817.5 | 2011.2 | 2054.7 | 2321.0 | 2314.4 |
| 60° | 1771.4 | 1905.8 | 1721.3 | 1913.7 | 1813.5 | 2012.6 | 1959.8 | 2147.0 | 2190.5 | 2465.9 | 2483.1 |
| 62.5° | 2025.7 | 2259.0 | 2149.6 | 2350.0 | 2085.0 | 2286.7 | 2131.2 | 2314.4 | 2317.0 | 2621.5 | 2675.5 |
| 65° | 2091.6 | 2450.1 | 2543.7 | 2916.7 | 2778.3 | 2985.2 | 2570.1 | 2692.6 | 2534.5 | 2904.8 | 2982.6 |
| 67.5° | 2066.6 | 2505.5 | 2765.1 | 3185.6 | 3342.4 | 3703.5 | 3633.7 | 3591.5 | 3225.1 | 3491.3 | 3584.9 |
| 70° | 1517.0 | 1982.2 | 2617.5 | 3044.5 | 3496.6 | 3733.8 | 4109.5 | 4147.7 | 4131.9 | 4095.0 | 4156.9 |
| 72.5° | 690.6 | 1083.4 | 1771.4 | 2259.0 | 3005.0 | 3164.5 | 3708.8 | 3698.3 | 4257.1 | 4118.7 | 4216.2 |
| 75° | 271.5 | 417.8 | 843.5 | 1261.3 | 2078.5 | 2274.8 | 2891.6 | 2738.8 | 3436.0 | 3233.0 | 3441.2 |
| 77.5° | 148.9 | 187.2 | 316.3 | 541.7 | 1134.8 | 1238.9 | 1770.0 | 1514.4 | 2131.2 | 1779.3 | 1849.1 |
| 80° | 89.6 | 112.0 | 145.0 | 205.6 | 482.4 | 510.1 | 755.2 | 608.9 | 871.2 | 661.6 | 641.9 |
| 82.5° | 48.8 | 60.6 | 72.5 | 101.5 | 179.2 | 199.0 | 261.0 | 234.6 | 279.4 | 238.6 | 233.3 |
| 85° | 19.8 | 26.4 | 27.7 | 40.9 | 59.3 | 68.5 | 83.0 | 89.6 | 109.4 | 100.2 | 97.5 |
| 87.5° | 0.0 | 1.3 | 0.0 | 2.6 | 0.0 | 2.6 | 0.0 | 4.0 | 4.0 | 6.6 | 7.9 |
| 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 | 6.0 | 5.5 | 5.0 | 4.8 |
| 100° | 31.5 | 32.0 | 31.5 | 31.0 | 30.5 | 30.0 | 29.2 | 28.5 | 27.8 | 27.0 | 26.8 |
| 102.5° | 50.8 | 51.0 | 50.8 | 50.5 | 50.2 | 50.0 | 49.5 | 49.0 | 48.5 | 48.0 | 48.2 |
| 105° | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.5 | 70.0 | 69.5 | 69.0 | 69.4 |
| 107.5° | 92.5 | 93.0 | 92.8 | 92.5 | 92.2 | 92.0 | 91.8 | 91.5 | 91.2 | 91.0 | 91.2 |
| 110° | 113.5 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.8 | 113.5 | 113.2 | 113.0 | 113.2 |



REPORT NUMBER: P227605

CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 135.5 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.8 | 135.5 | 135.2 | 135.0 | 135.4 |
| 115° | 157.5 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.4 |
| 117.5° | 179.8 | 180.0 | 180.2 | 180.5 | 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 | 180.4 |
| 120° | 203.5 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.4 |
| 122.5° | 227.8 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 228.2 | 228.5 | 228.8 | 229.0 | 229.8 |
| 125° | 252.8 | 253.0 | 253.2 | 253.5 | 253.8 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 | 254.6 |
| 127.5° | 277.5 | 278.0 | 277.8 | 277.5 | 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 | 278.6 |
| 130° | 300.5 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.2 | 301.5 | 301.8 | 302.0 | 302.6 |
| 132.5° | 324.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 325.2 | 325.5 | 325.8 | 326.0 | 326.6 |
| 135° | 347.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 348.2 | 348.5 | 348.8 | 349.0 | 349.4 |
| 137.5° | 368.5 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.2 | 369.5 | 369.8 | 370.0 | 370.8 |
| 140° | 389.8 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 390.5 | 391.0 | 391.5 | 392.0 | 392.8 |
| 142.5° | 411.5 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 412.2 | 412.5 | 412.8 | 413.0 | 413.6 |
| 145° | 433.5 | 434.0 | 433.8 | 433.5 | 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 | 434.6 |
| 147.5° | 453.8 | 454.0 | 453.5 | 453.0 | 452.5 | 452.0 | 452.2 | 452.5 | 452.8 | 453.0 | 453.6 |
| 150° | 470.8 | 471.0 | 470.5 | 470.0 | 469.5 | 469.0 | 469.0 | 469.0 | 469.0 | 469.0 | 469.8 |
| 152.5° | 486.8 | 487.0 | 486.8 | 486.5 | 486.2 | 486.0 | 486.0 | 486.0 | 486.0 | 486.0 | 486.6 |
| 155° | 503.8 | 504.0 | 503.8 | 503.5 | 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 | 504.6 |
| 157.5° | 519.0 | 519.0 | 518.5 | 518.0 | 517.5 | 517.0 | 517.2 | 517.5 | 517.8 | 518.0 | 519.0 |
| 160° | 532.0 | 532.0 | 531.5 | 531.0 | 530.5 | 530.0 | 530.0 | 530.0 | 530.0 | 530.0 | 530.6 |
| 162.5° | 541.8 | 542.0 | 541.5 | 541.0 | 540.5 | 540.0 | 539.5 | 539.0 | 538.5 | 538.0 | 538.4 |
| 165° | 552.8 | 553.0 | 552.2 | 551.5 | 550.8 | 550.0 | 549.5 | 549.0 | 548.5 | 548.0 | 548.4 |
| 167.5° | 560.0 | 560.0 | 559.5 | 559.0 | 558.5 | 558.0 | 558.2 | 558.5 | 558.8 | 559.0 | 559.8 |
| 170° | 565.2 | 565.0 | 564.8 | 564.5 | 564.2 | 564.0 | 564.5 | 565.0 | 565.5 | 566.0 | 567.0 |
| 172.5° | 568.8 | 569.0 | 568.5 | 568.0 | 567.5 | 567.0 | 567.2 | 567.5 | 567.8 | 568.0 | 568.6 |
| 175° | 572.8 | 573.0 | 572.2 | 571.5 | 570.8 | 570.0 | 569.5 | 569.0 | 568.5 | 568.0 | 568.6 |
| 177.5° | 577.0 | 577.0 | 576.2 | 575.5 | 574.8 | 574.0 | 574.0 | 574.0 | 574.0 | 574.0 | 574.6 |
| 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: P227605
 CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 0° | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 |
| 2.5° | 525.9 | 529.8 | 524.6 | 524.6 | 518.0 | 521.9 | 518.0 | 514.0 | 507.4 | 508.7 | 499.5 |
| 5° | 535.1 | 537.7 | 531.1 | 528.5 | 524.6 | 523.2 | 515.3 | 507.4 | 498.2 | 498.2 | 487.7 |
| 7.5° | 544.3 | 544.3 | 535.1 | 535.1 | 525.9 | 523.2 | 511.4 | 498.2 | 485.0 | 483.7 | 467.9 |
| 10° | 549.6 | 548.3 | 536.4 | 536.4 | 523.2 | 521.9 | 507.4 | 487.7 | 469.2 | 463.9 | 441.5 |
| 12.5° | 560.1 | 558.8 | 544.3 | 541.7 | 524.6 | 524.6 | 503.5 | 477.1 | 450.7 | 441.5 | 409.9 |
| 15° | 573.3 | 574.6 | 557.5 | 553.6 | 533.8 | 532.5 | 503.5 | 463.9 | 428.3 | 413.8 | 375.6 |
| 17.5° | 594.4 | 595.7 | 572.0 | 568.0 | 544.3 | 540.4 | 504.8 | 448.1 | 398.0 | 382.2 | 347.9 |
| 20° | 622.1 | 618.1 | 586.5 | 585.2 | 553.6 | 549.6 | 503.5 | 424.4 | 367.7 | 351.9 | 321.6 |
| 22.5° | 656.4 | 652.4 | 611.5 | 607.6 | 570.7 | 564.1 | 502.2 | 399.3 | 340.0 | 322.9 | 303.1 |
| 25° | 703.8 | 698.5 | 648.4 | 643.2 | 597.0 | 586.5 | 500.8 | 373.0 | 316.3 | 303.1 | 291.3 |
| 27.5° | 763.1 | 752.6 | 691.9 | 686.7 | 624.7 | 611.5 | 495.6 | 342.7 | 292.6 | 283.4 | 278.1 |
| 30° | 834.3 | 825.1 | 747.3 | 739.4 | 661.6 | 644.5 | 490.3 | 315.0 | 275.5 | 271.5 | 267.6 |
| 32.5° | 918.6 | 909.4 | 814.5 | 805.3 | 709.1 | 684.0 | 481.1 | 292.6 | 264.9 | 264.9 | 259.6 |
| 35° | 1006.9 | 999.0 | 887.0 | 880.4 | 761.8 | 728.8 | 469.2 | 272.8 | 255.7 | 255.7 | 250.4 |
| 37.5° | 1086.0 | 1092.6 | 966.1 | 960.8 | 814.5 | 773.7 | 456.0 | 259.6 | 247.8 | 245.1 | 239.9 |
| 40° | 1171.7 | 1187.5 | 1039.9 | 1043.8 | 869.9 | 821.1 | 440.2 | 249.1 | 238.6 | 235.9 | 234.6 |
| 42.5° | 1258.7 | 1289.0 | 1117.6 | 1132.1 | 925.2 | 869.9 | 428.3 | 242.5 | 234.6 | 229.3 | 228.0 |
| 45° | 1366.7 | 1410.2 | 1213.9 | 1241.5 | 989.8 | 929.2 | 424.4 | 234.6 | 222.7 | 216.1 | 212.2 |
| 47.5° | 1501.2 | 1559.2 | 1332.5 | 1364.1 | 1075.5 | 1000.3 | 432.3 | 232.0 | 214.8 | 206.9 | 199.0 |
| 50° | 1660.7 | 1716.0 | 1473.5 | 1486.7 | 1171.7 | 1078.1 | 449.4 | 235.9 | 212.2 | 200.3 | 188.5 |
| 52.5° | 1829.4 | 1871.5 | 1622.4 | 1607.9 | 1271.9 | 1154.6 | 469.2 | 237.2 | 205.6 | 193.7 | 179.2 |
| 55° | 2003.3 | 2027.1 | 1760.8 | 1722.6 | 1362.8 | 1231.0 | 495.6 | 235.9 | 200.3 | 187.2 | 168.7 |
| 57.5° | 2173.3 | 2181.3 | 1883.4 | 1846.5 | 1452.4 | 1321.9 | 528.5 | 232.0 | 192.4 | 179.2 | 159.5 |
| 60° | 2339.4 | 2352.6 | 2019.1 | 1984.9 | 1549.9 | 1439.2 | 576.0 | 225.4 | 181.9 | 172.7 | 151.6 |
| 62.5° | 2521.3 | 2564.8 | 2181.3 | 2186.5 | 1684.4 | 1622.4 | 665.6 | 217.5 | 171.3 | 160.8 | 139.7 |
| 65° | 2769.1 | 2935.1 | 2448.8 | 2572.7 | 1942.7 | 1967.7 | 836.9 | 195.1 | 156.8 | 143.7 | 129.2 |
| 67.5° | 3389.8 | 3571.7 | 3098.6 | 3148.7 | 2547.7 | 2398.7 | 945.0 | 166.1 | 138.4 | 129.2 | 119.9 |
| 70° | 4167.5 | 4037.0 | 3700.9 | 3397.8 | 2900.9 | 2465.9 | 831.6 | 139.7 | 122.6 | 117.3 | 112.0 |
| 72.5° | 4381.0 | 3913.1 | 3636.3 | 3181.6 | 2682.1 | 2150.9 | 636.6 | 119.9 | 109.4 | 106.8 | 102.8 |
| 75° | 3849.8 | 3172.4 | 3188.2 | 2527.9 | 2223.4 | 1639.6 | 434.9 | 102.8 | 94.9 | 93.6 | 92.3 |
| 77.5° | 2462.0 | 1630.3 | 1984.9 | 1249.4 | 1283.7 | 759.2 | 212.2 | 85.7 | 81.7 | 81.7 | 79.1 |
| 80° | 875.1 | 543.0 | 614.2 | 394.1 | 358.5 | 241.2 | 114.7 | 68.5 | 65.9 | 67.2 | 65.9 |
| 82.5° | 262.3 | 208.2 | 204.3 | 159.5 | 123.9 | 101.5 | 63.3 | 52.7 | 50.1 | 51.4 | 48.8 |
| 85° | 105.4 | 81.7 | 68.5 | 52.7 | 43.5 | 39.5 | 34.3 | 35.6 | 31.6 | 34.3 | 30.3 |
| 87.5° | 6.6 | 5.3 | 4.0 | 5.3 | 0.0 | 2.6 | 6.6 | 5.3 | 1.3 | 5.3 | 4.0 |
| 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 | 4.2 | 4.0 | 4.0 | 4.0 | 4.0 | 4.5 | 4.8 | 5.0 | 5.5 |
| 100° | 26.8 | 26.5 | 26.2 | 26.0 | 25.5 | 25.0 | 26.0 | 26.5 | 26.8 | 27.0 | 27.8 |
| 102.5° | 48.2 | 48.5 | 48.8 | 49.0 | 48.5 | 48.0 | 49.0 | 48.5 | 48.2 | 48.0 | 48.5 |
| 105° | 69.5 | 70.0 | 70.5 | 71.0 | 70.0 | 69.0 | 71.0 | 70.0 | 69.5 | 69.0 | 69.5 |
| 107.5° | 91.2 | 91.5 | 91.8 | 92.0 | 91.5 | 91.0 | 92.0 | 91.5 | 91.2 | 91.0 | 91.2 |
| 110° | 113.2 | 113.5 | 113.8 | 114.0 | 113.5 | 113.0 | 114.0 | 113.5 | 113.2 | 113.0 | 113.2 |



REPORT NUMBER: P227605
 CATALOG NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| 112.5° | 135.5 | 136.0 | 136.5 | 137.0 | 136.0 | 135.0 | 137.0 | 136.0 | 135.5 | 135.0 | 135.2 | 0° |
| 115° | 158.5 | 159.0 | 159.5 | 160.0 | 159.5 | 159.0 | 160.0 | 159.0 | 158.5 | 158.0 | 158.0 | 2.5° |
| 117.5° | 180.5 | 181.0 | 181.5 | 182.0 | 181.0 | 180.0 | 182.0 | 181.0 | 180.5 | 180.0 | 180.2 | 5° |
| 120° | 204.5 | 205.0 | 205.5 | 206.0 | 205.0 | 204.0 | 206.0 | 205.0 | 204.5 | 204.0 | 204.0 | 7.5° |
| 122.5° | 230.0 | 231.0 | 232.0 | 233.0 | 232.5 | 232.0 | 233.0 | 231.0 | 230.0 | 229.0 | 228.8 | 10° |
| 125° | 254.8 | 255.5 | 256.2 | 257.0 | 256.5 | 256.0 | 257.0 | 255.5 | 254.8 | 254.0 | 254.0 | 12.5° |
| 127.5° | 278.8 | 279.5 | 280.2 | 281.0 | 279.5 | 278.0 | 281.0 | 279.5 | 278.8 | 278.0 | 277.8 | 15° |
| 130° | 302.8 | 303.5 | 304.2 | 305.0 | 304.0 | 303.0 | 305.0 | 303.5 | 302.8 | 302.0 | 301.8 | 17.5° |
| 132.5° | 326.8 | 327.5 | 328.2 | 329.0 | 328.0 | 327.0 | 329.0 | 327.5 | 326.8 | 326.0 | 325.8 | 20° |
| 135° | 349.5 | 350.0 | 350.5 | 351.0 | 350.5 | 350.0 | 351.0 | 350.0 | 349.5 | 349.0 | 348.8 | 22.5° |
| 137.5° | 371.0 | 372.0 | 373.0 | 374.0 | 373.0 | 372.0 | 374.0 | 372.0 | 371.0 | 370.0 | 369.8 | 25° |
| 140° | 393.0 | 394.0 | 395.0 | 396.0 | 395.0 | 394.0 | 396.0 | 394.0 | 393.0 | 392.0 | 391.5 | 27.5° |
| 142.5° | 413.8 | 414.5 | 415.2 | 416.0 | 415.5 | 415.0 | 416.0 | 414.5 | 413.8 | 413.0 | 412.8 | 30° |
| 145° | 434.8 | 435.5 | 436.2 | 437.0 | 436.0 | 435.0 | 437.0 | 435.5 | 434.8 | 434.0 | 433.8 | 32.5° |
| 147.5° | 453.8 | 454.5 | 455.2 | 456.0 | 454.5 | 453.0 | 456.0 | 454.5 | 453.8 | 453.0 | 452.8 | 35° |
| 150° | 470.0 | 471.0 | 472.0 | 473.0 | 471.5 | 470.0 | 473.0 | 471.0 | 470.0 | 469.0 | 469.0 | 37.5° |
| 152.5° | 486.8 | 487.5 | 488.2 | 489.0 | 487.5 | 486.0 | 489.0 | 487.5 | 486.8 | 486.0 | 486.0 | 40° |
| 155° | 504.8 | 505.5 | 506.2 | 507.0 | 506.0 | 505.0 | 507.0 | 505.5 | 504.8 | 504.0 | 503.8 | 42.5° |
| 157.5° | 519.2 | 520.5 | 521.8 | 523.0 | 521.5 | 520.0 | 523.0 | 520.5 | 519.2 | 518.0 | 517.8 | 45° |
| 160° | 530.8 | 531.5 | 532.2 | 533.0 | 532.0 | 531.0 | 533.0 | 531.5 | 530.8 | 530.0 | 530.0 | 47.5° |
| 162.5° | 538.5 | 539.0 | 539.5 | 540.0 | 538.5 | 537.0 | 540.0 | 539.0 | 538.5 | 538.0 | 538.5 | 50° |
| 165° | 548.5 | 549.0 | 549.5 | 550.0 | 549.0 | 548.0 | 550.0 | 549.0 | 548.5 | 548.0 | 548.5 | 52.5° |
| 167.5° | 560.0 | 561.0 | 562.0 | 563.0 | 562.0 | 561.0 | 563.0 | 561.0 | 560.0 | 559.0 | 558.8 | 55° |
| 170° | 567.2 | 568.5 | 569.8 | 571.0 | 570.0 | 569.0 | 571.0 | 568.5 | 567.2 | 566.0 | 565.5 | 57.5° |
| 172.5° | 568.8 | 569.5 | 570.2 | 571.0 | 569.5 | 568.0 | 571.0 | 569.5 | 568.8 | 568.0 | 567.8 | 60° |
| 175° | 568.8 | 569.5 | 570.2 | 571.0 | 569.5 | 568.0 | 571.0 | 569.5 | 568.8 | 568.0 | 568.5 | 62.5° |
| 177.5° | 574.8 | 575.5 | 576.2 | 577.0 | 575.5 | 574.0 | 577.0 | 575.5 | 574.8 | 574.0 | 574.0 | 65° |
| 180° | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
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| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |
| | | | | | | | | | | | | 110° |

NUMBER: P227605
 NUMBER: ISC-AF-800-LED-E1-T2-8030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 110° | |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 521.9 | 112.5° | 135.5 |
| 506.1 | 496.9 | 500.8 | 496.9 | 499.5 | 491.6 | 494.2 | 487.7 | 487.7 | 486.3 | 479.7 | 115° | 158.0 |
| 489.0 | 479.7 | 478.4 | 469.2 | 470.5 | 460.0 | 458.7 | 446.8 | 446.8 | 436.3 | 416.5 | 117.5° | 180.5 |
| 465.2 | 450.7 | 449.4 | 431.0 | 429.7 | 415.2 | 409.9 | 396.7 | 395.4 | 383.5 | 371.7 | 120° | 204.0 |
| 434.9 | 412.5 | 408.6 | 384.9 | 386.2 | 370.4 | 369.0 | 359.8 | 359.8 | 354.5 | 354.5 | 122.5° | 228.5 |
| 400.7 | 375.6 | 373.0 | 354.5 | 355.9 | 345.3 | 346.6 | 341.4 | 344.0 | 346.6 | 355.9 | 125° | 254.0 |
| 369.0 | 349.3 | 346.6 | 334.8 | 336.1 | 333.4 | 337.4 | 337.4 | 341.4 | 347.9 | 363.8 | 127.5° | 277.5 |
| 342.7 | 325.5 | 326.9 | 321.6 | 326.9 | 325.5 | 333.4 | 332.1 | 340.0 | 347.9 | 367.7 | 130° | 301.5 |
| 319.0 | 309.7 | 313.7 | 312.4 | 319.0 | 319.0 | 325.5 | 326.9 | 333.4 | 344.0 | 366.4 | 132.5° | 325.5 |
| 303.1 | 300.5 | 304.5 | 304.5 | 309.7 | 311.0 | 317.6 | 321.6 | 325.5 | 336.1 | 355.9 | 135° | 348.5 |
| 293.9 | 292.6 | 296.5 | 297.9 | 301.8 | 303.1 | 309.7 | 309.7 | 316.3 | 322.9 | 333.4 | 137.5° | 369.5 |
| 280.7 | 278.1 | 283.4 | 283.4 | 288.6 | 287.3 | 295.2 | 292.6 | 299.2 | 301.8 | 304.5 | 140° | 391.0 |
| 271.5 | 267.6 | 271.5 | 270.2 | 274.1 | 270.2 | 274.1 | 270.2 | 274.1 | 274.1 | 270.2 | 142.5° | 412.5 |
| 262.3 | 258.3 | 259.6 | 254.4 | 258.3 | 253.1 | 254.4 | 249.1 | 251.7 | 249.1 | 250.4 | 145° | 433.5 |
| 253.1 | 247.8 | 247.8 | 241.2 | 241.2 | 234.6 | 237.2 | 232.0 | 237.2 | 241.2 | 239.9 | 147.5° | 452.5 |
| 239.9 | 235.9 | 235.9 | 230.6 | 233.3 | 230.6 | 235.9 | 233.3 | 234.6 | 229.3 | 220.1 | 150° | 469.0 |
| 232.0 | 234.6 | 233.3 | 237.2 | 234.6 | 230.6 | 226.7 | 218.8 | 217.5 | 214.8 | 209.6 | 152.5° | 486.0 |
| 220.1 | 222.7 | 216.1 | 221.4 | 217.5 | 218.8 | 216.1 | 212.2 | 209.6 | 206.9 | 201.7 | 155° | 503.5 |
| 203.0 | 203.0 | 197.7 | 205.6 | 201.7 | 209.6 | 206.9 | 206.9 | 204.3 | 200.3 | 196.4 | 157.5° | 517.5 |
| 188.5 | 189.8 | 184.5 | 191.1 | 188.5 | 199.0 | 197.7 | 201.7 | 201.7 | 199.0 | 188.5 | 160° | 530.0 |
| 179.2 | 176.6 | 172.7 | 179.2 | 177.9 | 187.2 | 188.5 | 196.4 | 195.1 | 196.4 | 187.2 | 162.5° | 539.0 |
| 171.3 | 166.1 | 162.1 | 166.1 | 166.1 | 174.0 | 176.6 | 185.8 | 187.2 | 189.8 | 184.5 | 165° | 549.0 |
| 162.1 | 155.5 | 152.9 | 155.5 | 155.5 | 163.4 | 167.4 | 174.0 | 177.9 | 185.8 | 183.2 | 167.5° | 558.5 |
| 154.2 | 145.0 | 142.3 | 145.0 | 146.3 | 154.2 | 158.2 | 164.7 | 170.0 | 180.6 | 179.2 | 170° | 565.0 |
| 145.0 | 137.1 | 134.4 | 138.4 | 139.7 | 147.6 | 151.6 | 158.2 | 162.1 | 174.0 | 174.0 | 172.5° | 567.5 |
| 134.4 | 127.8 | 127.8 | 129.2 | 131.8 | 139.7 | 142.3 | 151.6 | 152.9 | 167.4 | 168.7 | 175° | 569.0 |
| 125.2 | 121.3 | 121.3 | 122.6 | 125.2 | 131.8 | 133.1 | 142.3 | 143.7 | 158.2 | 162.1 | 177.5° | 574.0 |
| 117.3 | 114.7 | 114.7 | 116.0 | 117.3 | 122.6 | 123.9 | 133.1 | 135.8 | 148.9 | 155.5 | 180° | 576.0 |
| 109.4 | 106.8 | 105.4 | 105.4 | 109.4 | 113.3 | 116.0 | 125.2 | 126.5 | 138.4 | 146.3 | | |
| 100.2 | 97.5 | 97.5 | 96.2 | 100.2 | 102.8 | 108.1 | 113.3 | 116.0 | 127.8 | 133.1 | | |
| 90.9 | 88.3 | 88.3 | 87.0 | 89.6 | 94.9 | 96.2 | 101.5 | 102.8 | 113.3 | 118.6 | | |
| 79.1 | 76.4 | 76.4 | 76.4 | 79.1 | 80.4 | 81.7 | 87.0 | 89.6 | 98.8 | 104.1 | | |
| 65.9 | 63.3 | 64.6 | 63.3 | 67.2 | 61.9 | 65.9 | 71.2 | 73.8 | 79.1 | 76.4 | | |
| 50.1 | 46.1 | 47.4 | 47.4 | 48.8 | 44.8 | 47.4 | 50.1 | 52.7 | 56.7 | 55.4 | | |
| 31.6 | 27.7 | 30.3 | 27.7 | 30.3 | 26.4 | 29.0 | 29.0 | 31.6 | 29.0 | 27.7 | | |
| 6.6 | 2.6 | 6.6 | 2.6 | 7.9 | 0.0 | 4.0 | 0.0 | 2.6 | 1.3 | 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 | | |
| 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| 6.0 | 6.5 | 7.0 | 8.5 | 10.0 | 11.5 | 13.0 | 12.0 | 11.0 | 9.0 | 4.0 | | |
| 28.5 | 29.2 | 30.0 | 30.5 | 31.0 | 31.5 | 32.0 | 31.5 | 31.0 | 30.0 | 22.0 | | |
| 49.0 | 49.5 | 50.0 | 50.2 | 50.5 | 50.8 | 51.0 | 50.8 | 50.5 | 50.0 | 45.0 | | |
| 70.0 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 70.8 | 70.5 | 70.0 | 66.0 | | |
| 91.5 | 91.8 | 92.0 | 92.2 | 92.5 | 92.8 | 93.0 | 92.5 | 92.0 | 91.0 | 88.0 | | |
| 113.5 | 113.8 | 114.0 | 114.0 | 114.0 | 114.0 | 114.0 | 113.5 | 113.0 | 112.0 | 110.0 | | |

'227605
 ISC-AF-800-LED-E1-T2-8030-ULG

REPORT NUMBER: P227605
 CATALOG NUMBER: ISC-AF-80

TION (continued):

CANDELA DISTRIBUTION (con

| 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | | 155° | 165° |
|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|
| 135.8 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 135.5 | 135.0 | 134.0 | 132.0 | 0° | 521.9 | 521.9 |
| 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 157.5 | 157.0 | 156.0 | 154.0 | 2.5° | 473.2 | 467.9 |
| 180.8 | 181.0 | 180.8 | 180.5 | 180.2 | 180.0 | 179.8 | 179.5 | 179.0 | 177.0 | 5° | 405.9 | 396.7 |
| 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 204.0 | 203.5 | 203.0 | 202.0 | 201.0 | 7.5° | 365.1 | 362.4 |
| 228.2 | 228.0 | 228.0 | 228.0 | 228.0 | 228.0 | 227.8 | 227.5 | 227.0 | 226.0 | 10° | 357.2 | 361.1 |
| 254.0 | 254.0 | 253.8 | 253.5 | 253.2 | 253.0 | 252.8 | 252.5 | 252.0 | 251.0 | 12.5° | 366.4 | 373.0 |
| 277.2 | 277.0 | 277.2 | 277.5 | 277.8 | 278.0 | 277.5 | 277.0 | 276.0 | 274.0 | 15° | 378.3 | 390.1 |
| 301.2 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 300.5 | 300.0 | 299.0 | 298.0 | 17.5° | 387.5 | 403.3 |
| 325.2 | 325.0 | 325.0 | 325.0 | 325.0 | 325.0 | 324.2 | 323.5 | 322.0 | 321.0 | 20° | 388.8 | 404.6 |
| 348.2 | 348.0 | 348.0 | 348.0 | 348.0 | 348.0 | 347.2 | 346.5 | 345.0 | 345.0 | 22.5° | 376.9 | 387.5 |
| 369.2 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 368.5 | 368.0 | 367.0 | 367.0 | 25° | 346.6 | 351.9 |
| 390.5 | 390.0 | 390.0 | 390.0 | 390.0 | 390.0 | 389.8 | 389.5 | 389.0 | 388.0 | 27.5° | 308.4 | 307.1 |
| 412.2 | 412.0 | 412.0 | 412.0 | 412.0 | 412.0 | 411.5 | 411.0 | 410.0 | 410.0 | 30° | 268.9 | 266.2 |
| 433.2 | 433.0 | 433.2 | 433.5 | 433.8 | 434.0 | 433.5 | 433.0 | 432.0 | 431.0 | 32.5° | 254.4 | 245.1 |
| 452.2 | 452.0 | 452.5 | 453.0 | 453.5 | 454.0 | 453.8 | 453.5 | 453.0 | 452.0 | 35° | 232.0 | 229.3 |
| 469.0 | 469.0 | 469.5 | 470.0 | 470.5 | 471.0 | 470.8 | 470.5 | 470.0 | 469.0 | 37.5° | 224.1 | 246.5 |
| 486.0 | 486.0 | 486.2 | 486.5 | 486.8 | 487.0 | 486.8 | 486.5 | 486.0 | 485.0 | 40° | 214.8 | 242.5 |
| 503.2 | 503.0 | 503.2 | 503.5 | 503.8 | 504.0 | 503.8 | 503.5 | 503.0 | 503.0 | 42.5° | 206.9 | 222.7 |
| 517.2 | 517.0 | 517.5 | 518.0 | 518.5 | 519.0 | 519.0 | 519.0 | 519.0 | 519.0 | 45° | 192.4 | 199.0 |
| 530.0 | 530.0 | 530.5 | 531.0 | 531.5 | 532.0 | 532.0 | 532.0 | 532.0 | 532.0 | 47.5° | 185.8 | 183.2 |
| 539.5 | 540.0 | 540.5 | 541.0 | 541.5 | 542.0 | 541.8 | 541.5 | 541.0 | 541.0 | 50° | 180.6 | 180.6 |
| 549.5 | 550.0 | 550.8 | 551.5 | 552.2 | 553.0 | 552.8 | 552.5 | 552.0 | 552.0 | 52.5° | 176.6 | 174.0 |
| 558.2 | 558.0 | 558.5 | 559.0 | 559.5 | 560.0 | 560.0 | 560.0 | 560.0 | 561.0 | 55° | 171.3 | 168.7 |
| 564.5 | 564.0 | 564.2 | 564.5 | 564.8 | 565.0 | 565.2 | 565.5 | 566.0 | 567.0 | 57.5° | 167.4 | 160.8 |
| 567.2 | 567.0 | 567.5 | 568.0 | 568.5 | 569.0 | 568.8 | 568.5 | 568.0 | 569.0 | 60° | 163.4 | 156.8 |
| 569.5 | 570.0 | 570.8 | 571.5 | 572.2 | 573.0 | 572.8 | 572.5 | 572.0 | 572.0 | 62.5° | 160.8 | 152.9 |
| 574.0 | 574.0 | 574.8 | 575.5 | 576.2 | 577.0 | 577.0 | 577.0 | 577.0 | 578.0 | 65° | 156.8 | 148.9 |
| 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 576.0 | 67.5° | 151.6 | 141.0 |
| | | | | | | | | | | 70° | 141.0 | 131.8 |
| | | | | | | | | | | 72.5° | 130.5 | 119.9 |
| | | | | | | | | | | 75° | 114.7 | 105.4 |
| | | | | | | | | | | 77.5° | 96.2 | 85.7 |
| | | | | | | | | | | 80° | 72.5 | 65.9 |
| | | | | | | | | | | 82.5° | 52.7 | 44.8 |
| | | | | | | | | | | 85° | 23.7 | 17.1 |
| | | | | | | | | | | 87.5° | 0.0 | 0.0 |
| | | | | | | | | | | 90° | 0.0 | 0.0 |
| | | | | | | | | | | 92.5° | 0.0 | 0.0 |
| | | | | | | | | | | 95° | 1.0 | 1.0 |
| | | | | | | | | | | 97.5° | 3.0 | 2.0 |
| | | | | | | | | | | 100° | 14.0 | 10.0 |
| | | | | | | | | | | 102.5° | 38.0 | 32.0 |
| | | | | | | | | | | 105° | 61.0 | 56.0 |
| | | | | | | | | | | 107.5° | 84.0 | 80.0 |
| | | | | | | | | | | 110° | 106.0 | 103.0 |



REPORT NUMBER: P227605

CATALOG NUMBER: ISC-AF-800-LED-E1-1

0-LED-E1-T2-8030-ULG

tinued):

| 175° | 180° |
|-------|-------|
| 521.9 | 521.9 |
| 465.2 | 463.9 |
| 394.1 | 391.4 |
| 362.4 | 361.1 |
| 362.4 | 362.4 |
| 378.3 | 378.3 |
| 396.7 | 396.7 |
| 409.9 | 411.2 |
| 413.8 | 415.2 |
| 394.1 | 394.1 |
| 355.9 | 355.9 |
| 305.8 | 311.0 |
| 261.0 | 266.2 |
| 232.0 | 235.9 |
| 222.7 | 224.1 |
| 245.1 | 246.5 |
| 241.2 | 243.8 |
| 206.9 | 208.2 |
| 185.8 | 185.8 |
| 177.9 | 176.6 |
| 177.9 | 175.3 |
| 183.2 | 181.9 |
| 175.3 | 175.3 |
| 171.3 | 171.3 |
| 167.4 | 167.4 |
| 166.1 | 164.7 |
| 166.1 | 163.4 |
| 163.4 | 159.5 |
| 154.2 | 143.7 |
| 131.8 | 122.6 |
| 106.8 | 105.4 |
| 83.0 | 84.4 |
| 63.3 | 63.3 |
| 46.1 | 38.2 |
| 13.2 | 13.2 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 0.0 | 0.0 |
| 1.0 | 1.0 |
| 2.0 | 2.0 |
| 8.0 | 8.0 |
| 28.0 | 28.0 |
| 54.0 | 54.0 |
| 77.0 | 78.0 |
| 102.0 | 101.0 |

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° |
|--------|-------|-------|-------|
| 112.5° | 129.0 | 126.0 | 124.0 |
| 115° | 151.0 | 149.0 | 147.0 |
| 117.5° | 174.0 | 172.0 | 170.0 |
| 120° | 198.0 | 196.0 | 195.0 |
| 122.5° | 223.0 | 221.0 | 220.0 |
| 125° | 248.0 | 247.0 | 246.0 |
| 127.5° | 272.0 | 270.0 | 269.0 |
| 130° | 294.0 | 293.0 | 292.0 |
| 132.5° | 318.0 | 317.0 | 314.0 |
| 135° | 341.0 | 339.0 | 337.0 |
| 137.5° | 364.0 | 363.0 | 360.0 |
| 140° | 386.0 | 385.0 | 383.0 |
| 142.5° | 407.0 | 408.0 | 406.0 |
| 145° | 428.0 | 428.0 | 426.0 |
| 147.5° | 448.0 | 447.0 | 444.0 |
| 150° | 465.0 | 464.0 | 462.0 |
| 152.5° | 482.0 | 483.0 | 480.0 |
| 155° | 501.0 | 502.0 | 500.0 |
| 157.5° | 516.0 | 517.0 | 515.0 |
| 160° | 529.0 | 529.0 | 527.0 |
| 162.5° | 538.0 | 539.0 | 536.0 |
| 165° | 548.0 | 549.0 | 547.0 |
| 167.5° | 558.0 | 559.0 | 556.0 |
| 170° | 565.0 | 566.0 | 563.0 |
| 172.5° | 567.0 | 569.0 | 566.0 |
| 175° | 569.0 | 570.0 | 569.0 |
| 177.5° | 574.0 | 575.0 | 573.0 |
| 180° | 576.0 | 576.0 | 576.0 |



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| |
|-------|
| 180° |
| 124.0 |
| 146.0 |
| 169.0 |
| 193.0 |
| 219.0 |
| 244.0 |
| 267.0 |
| 290.0 |
| 313.0 |
| 336.0 |
| 359.0 |
| 382.0 |
| 404.0 |
| 425.0 |
| 444.0 |
| 461.0 |
| 479.0 |
| 499.0 |
| 513.0 |
| 525.0 |
| 535.0 |
| 546.0 |
| 555.0 |
| 562.0 |
| 565.0 |
| 567.0 |
| 572.0 |
| 576.0 |

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