

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: P227351

Luminaire Tested: **IST-AF-350-LED-E1-SLR-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35948)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-350-LED-E1-SLR-8030-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-90° SPILL LIGHT ELIMINATOR RIGHT, 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: 3494.3 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U5 - G1

Input Watts (W): 36.79
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

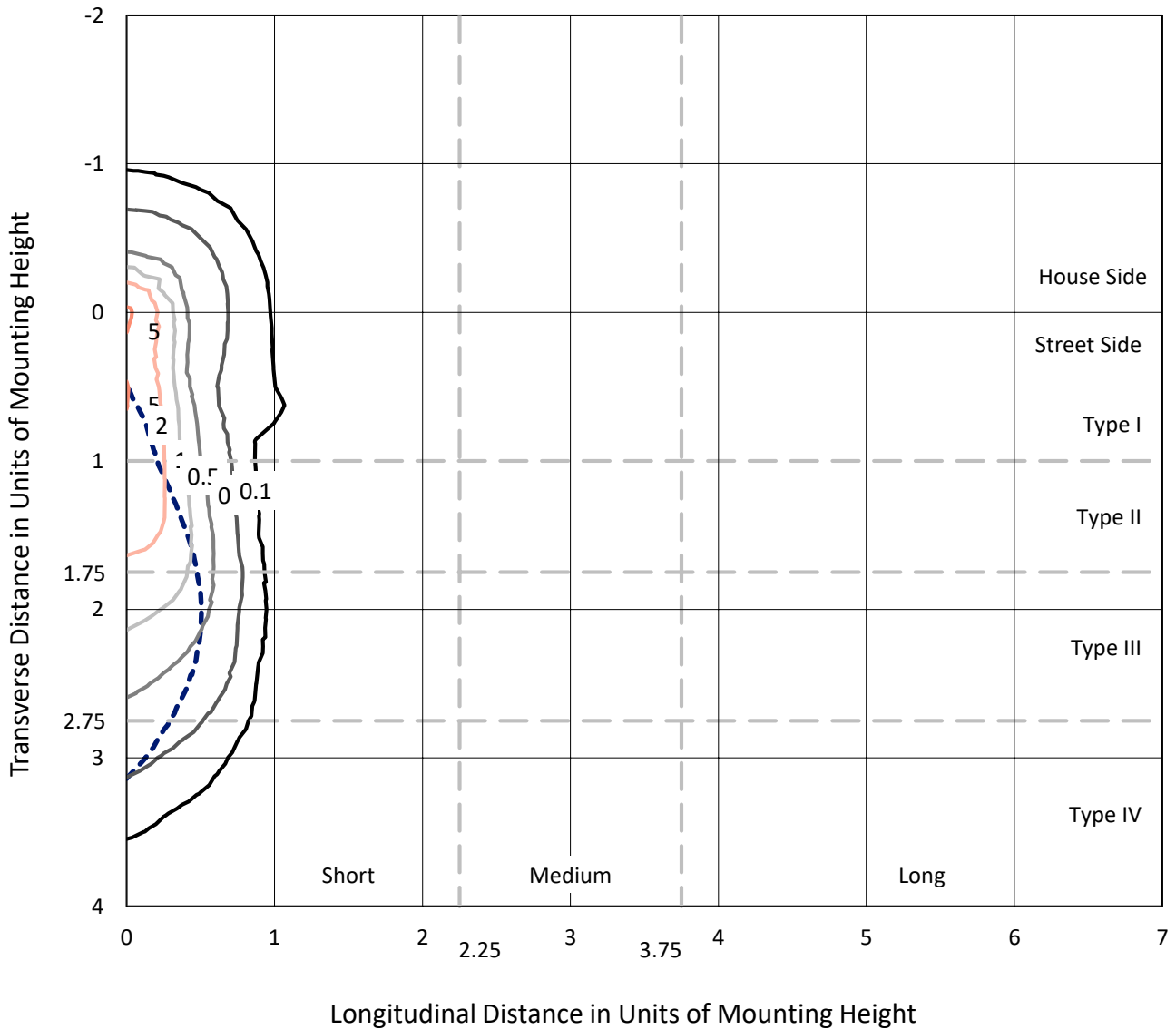


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

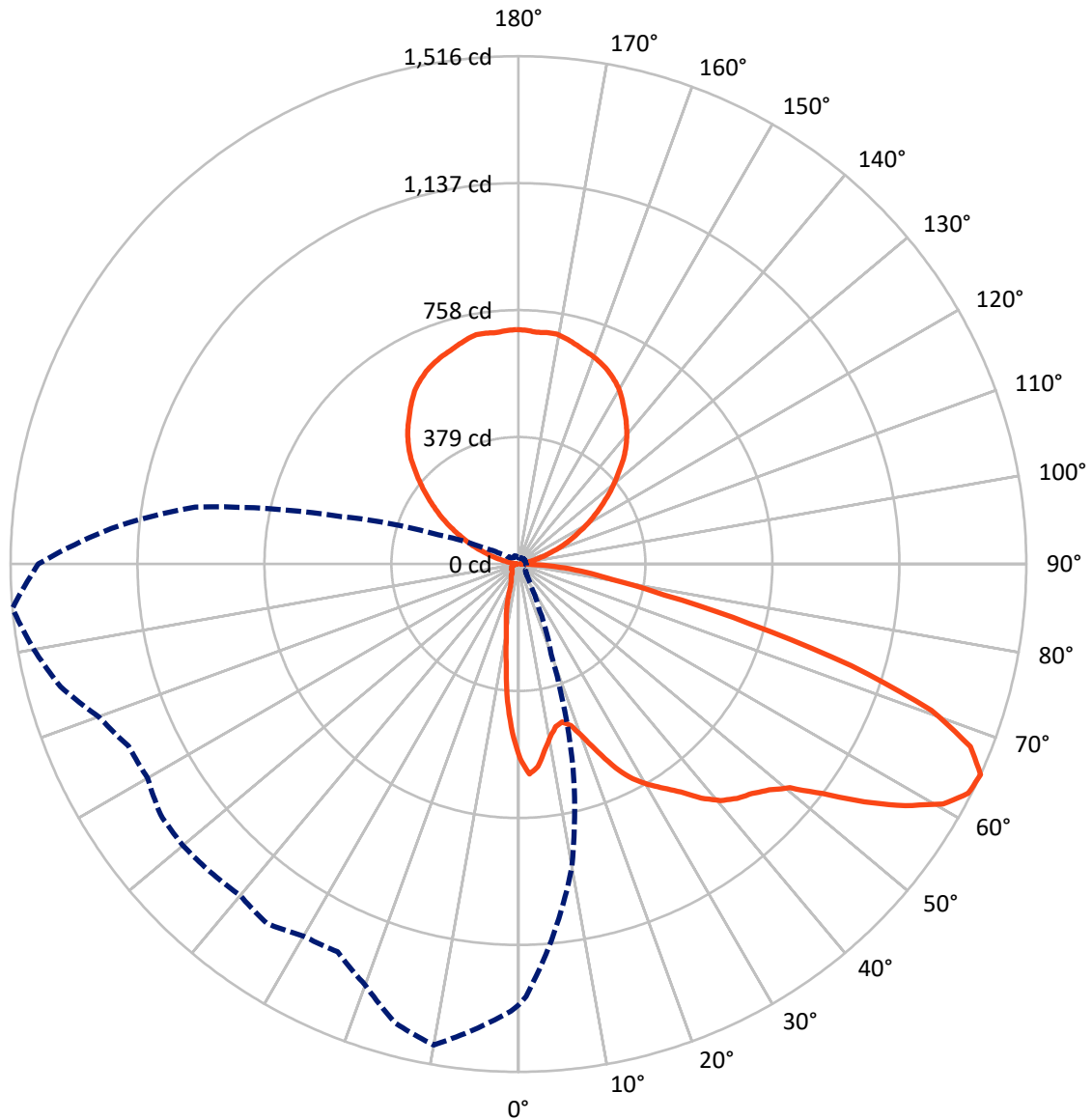


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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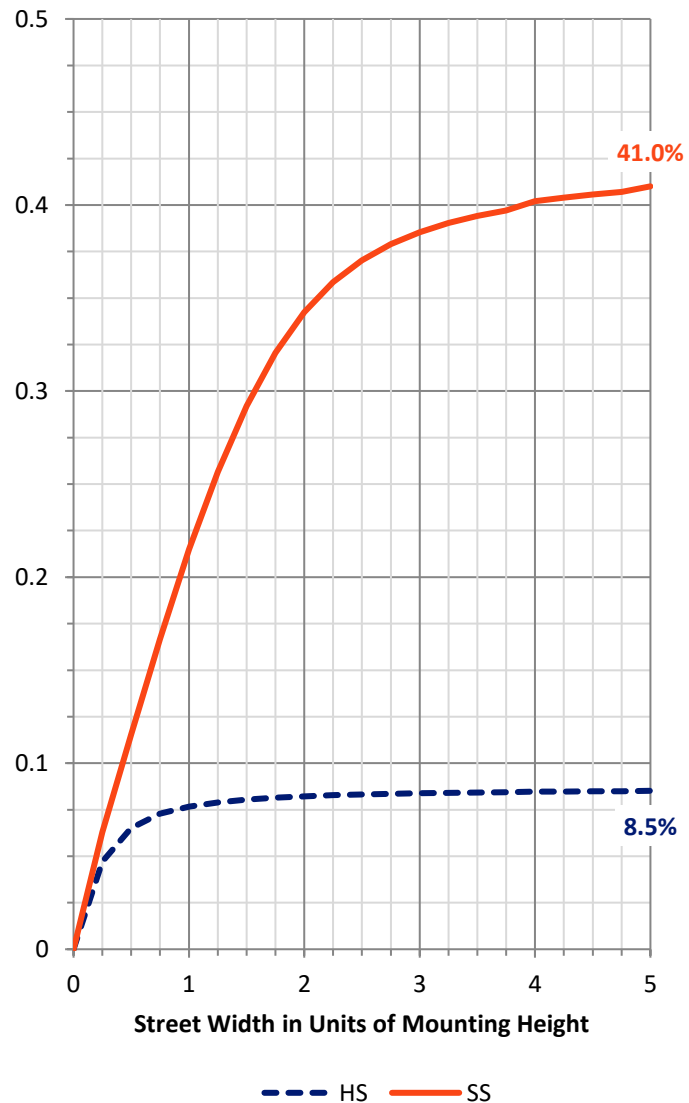
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 302.1 | 867.6 | 1169.7 |
| | % Fixture | 8.6 | 24.8 | 33.5 |
| Street Side | Lumens | 1457.0 | 867.6 | 2324.6 |
| | % Fixture | 41.7 | 24.8 | 66.5 |
| Total | Lumens | 1759.1 | 1735.2 | 3494.3 |
| | % Fixture | 50.3 | 49.7 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.0 | 1.2 |
| 10°-20° | 82.8 | 2.4 |
| 20°-30° | 118.1 | 3.4 |
| 30°-40° | 171.3 | 4.9 |
| 40°-50° | 245.0 | 7.0 |
| 50°-60° | 376.2 | 10.8 |
| 60°-70° | 435.4 | 12.5 |
| 70°-80° | 222.1 | 6.4 |
| 80°-90° | 65.1 | 1.9 |
| 90°-100° | 9.3 | 0.3 |
| 100°-110° | 57.4 | 1.6 |
| 110°-120° | 166.1 | 4.8 |
| 120°-130° | 273.2 | 7.8 |
| 130°-140° | 336.8 | 9.6 |
| 140°-150° | 344.6 | 9.9 |
| 150°-160° | 290.3 | 8.3 |
| 160°-170° | 191.2 | 5.5 |
| 170°-180° | 66.3 | 1.9 |
| 0°-90° | 1759.1 | 50.3 |
| 0°-180° | 3494.3 | 100.0 |



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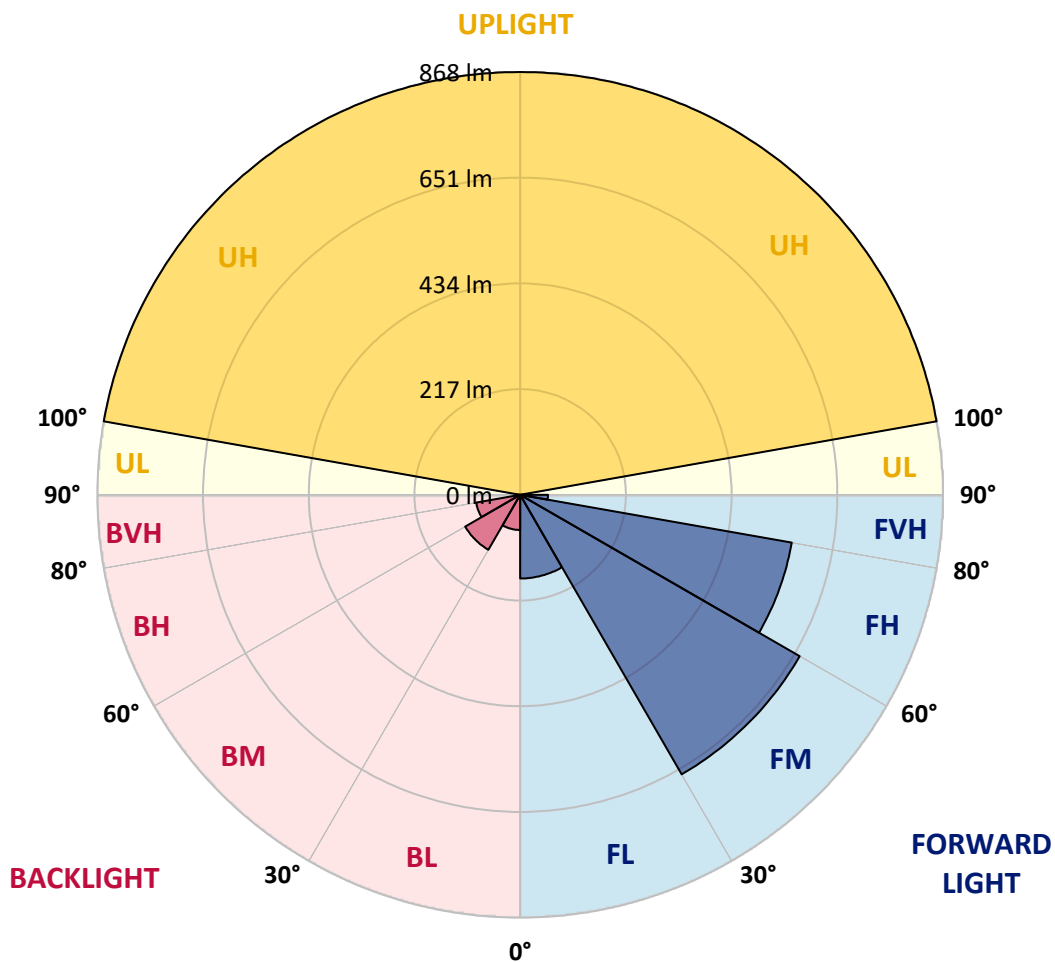
CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|---------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 171.7 | 4.9 | | | |
| FM | (30°-60°) | 662.3 | 19.0 | | | |
| FH | (60°-80°) | 565.8 | 16.2 | | | G0/660 |
| FVH | (80°-90°) | 57.2 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 72.2 | 2.1 | B0/110 | | |
| BM | (30°-60°) | 130.2 | 3.7 | B0/220 | | |
| BH | (60°-80°) | 91.7 | 2.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 8.0 | 0.2 | | | G0/10 |
| UL | (90°-100°) | 9.3 | 0.3 | | U1/10 | |
| UH | (100°-180°) | 867.6 | 24.8 | | U4/1000 | |

BUG Rating: B0-U5-G1

Type IV Short





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CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 |
| 2.5° | 601.2 | 597.7 | 593.2 | 585.5 | 578.7 | 569.0 | 566.6 | 554.5 | 546.8 | 548.6 | 534.7 |
| 5° | 564.5 | 562.5 | 551.5 | 534.4 | 523.1 | 500.9 | 488.2 | 481.7 | 463.3 | 461.0 | 455.9 |
| 7.5° | 513.1 | 506.8 | 489.1 | 467.8 | 448.6 | 432.3 | 411.9 | 396.2 | 382.3 | 373.7 | 358.6 |
| 10° | 469.0 | 462.5 | 443.2 | 417.2 | 394.1 | 371.3 | 354.8 | 334.3 | 314.5 | 299.1 | 287.0 |
| 12.5° | 447.7 | 440.6 | 418.1 | 387.9 | 362.2 | 333.8 | 310.4 | 290.3 | 279.3 | 271.6 | 261.6 |
| 15° | 455.9 | 445.6 | 418.7 | 382.6 | 350.6 | 320.4 | 295.6 | 274.0 | 261.0 | 249.1 | 237.3 |
| 17.5° | 489.4 | 476.7 | 445.9 | 402.4 | 358.0 | 319.0 | 283.5 | 258.9 | 238.2 | 220.4 | 204.5 |
| 20° | 546.8 | 537.3 | 492.6 | 431.7 | 374.0 | 319.8 | 273.1 | 240.8 | 215.7 | 193.2 | 171.9 |
| 22.5° | 613.9 | 599.7 | 556.0 | 471.3 | 394.4 | 325.2 | 266.6 | 225.8 | 195.9 | 165.7 | 142.6 |
| 25° | 684.4 | 673.4 | 615.4 | 524.6 | 425.8 | 336.1 | 261.6 | 212.4 | 172.5 | 139.1 | 113.6 |
| 27.5° | 741.2 | 731.4 | 674.0 | 575.8 | 454.5 | 345.6 | 254.2 | 199.7 | 153.9 | 113.6 | 85.5 |
| 30° | 787.6 | 779.3 | 719.3 | 617.8 | 489.4 | 348.8 | 243.8 | 184.9 | 133.1 | 91.7 | 70.7 |
| 32.5° | 839.7 | 830.5 | 762.8 | 647.1 | 505.1 | 345.9 | 232.0 | 171.0 | 116.6 | 81.1 | 60.7 |
| 35° | 896.8 | 886.2 | 811.3 | 678.7 | 518.1 | 335.5 | 221.9 | 161.0 | 108.6 | 73.7 | 53.9 |
| 37.5° | 947.7 | 940.9 | 855.1 | 710.1 | 532.9 | 318.4 | 212.1 | 150.0 | 103.3 | 68.3 | 48.5 |
| 40° | 987.3 | 985.6 | 903.6 | 736.1 | 544.4 | 305.9 | 204.2 | 141.4 | 96.5 | 66.3 | 46.7 |
| 42.5° | 1019.3 | 1018.7 | 943.3 | 759.5 | 547.4 | 295.0 | 197.9 | 133.7 | 90.2 | 61.2 | 47.6 |
| 45° | 1050.1 | 1049.8 | 981.7 | 792.1 | 549.4 | 295.6 | 193.2 | 129.0 | 84.9 | 58.0 | 45.0 |
| 47.5° | 1079.4 | 1083.8 | 1022.0 | 837.3 | 571.3 | 305.6 | 191.4 | 124.6 | 80.8 | 54.4 | 42.6 |
| 50° | 1128.5 | 1124.0 | 1085.6 | 898.6 | 606.6 | 325.2 | 188.5 | 120.7 | 76.9 | 51.2 | 40.2 |
| 52.5° | 1221.7 | 1216.7 | 1182.3 | 980.5 | 645.0 | 345.3 | 184.6 | 115.4 | 72.5 | 47.6 | 37.6 |
| 55° | 1335.6 | 1342.4 | 1294.8 | 1080.3 | 697.4 | 362.2 | 180.5 | 108.3 | 66.6 | 43.5 | 35.8 |
| 57.5° | 1402.5 | 1396.8 | 1342.4 | 1137.7 | 729.6 | 370.7 | 177.8 | 100.0 | 57.4 | 39.9 | 34.0 |
| 59° | 1418.1 | 1408.7 | 1334.4 | 1147.4 | 738.2 | 366.6 | 176.3 | 92.0 | 52.7 | 38.2 | 33.1 |
| 60° | 1416.7 | 1405.1 | 1321.7 | 1141.2 | 740.6 | 361.6 | 174.0 | 87.3 | 50.0 | 37.3 | 32.8 |
| 62.5° | 1386.2 | 1368.1 | 1249.5 | 1066.1 | 707.4 | 336.4 | 164.2 | 76.0 | 46.5 | 36.1 | 31.1 |
| 65° | 1317.0 | 1291.5 | 1128.2 | 919.3 | 631.4 | 286.4 | 142.0 | 71.9 | 47.3 | 35.5 | 29.9 |
| 67.5° | 1197.4 | 1177.0 | 972.3 | 760.7 | 503.3 | 231.4 | 122.8 | 70.1 | 48.5 | 36.1 | 28.1 |
| 70° | 974.0 | 956.6 | 758.6 | 569.6 | 377.0 | 184.0 | 111.5 | 69.2 | 47.6 | 34.6 | 26.6 |
| 72.5° | 687.0 | 656.9 | 504.2 | 398.8 | 239.1 | 147.9 | 96.8 | 65.4 | 46.5 | 33.4 | 24.3 |
| 75° | 418.1 | 423.7 | 320.4 | 290.6 | 150.9 | 101.5 | 76.0 | 55.0 | 41.1 | 29.9 | 21.9 |
| 77.5° | 275.8 | 275.5 | 236.4 | 205.0 | 76.6 | 63.0 | 53.9 | 42.3 | 32.3 | 24.6 | 18.9 |
| 80° | 187.0 | 189.1 | 171.6 | 140.0 | 42.6 | 37.9 | 35.2 | 30.8 | 23.7 | 18.6 | 15.7 |
| 82.5° | 115.1 | 115.4 | 132.8 | 104.7 | 28.4 | 24.0 | 22.5 | 20.7 | 16.9 | 14.5 | 12.1 |
| 85° | 39.9 | 40.8 | 46.5 | 74.0 | 19.2 | 15.7 | 15.7 | 14.5 | 12.7 | 9.8 | 8.0 |
| 87.5° | 17.2 | 16.9 | 20.1 | 20.1 | 9.5 | 8.0 | 7.4 | 7.4 | 7.1 | 5.3 | 4.4 |
| 90° | 6.2 | 5.9 | 5.9 | 7.2 | 8.5 | 9.6 | 9.8 | 10.1 | 10.1 | 9.3 | 8.2 |
| 92.5° | 4.0 | 4.0 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 5.0 | 5.0 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 7.0 | 7.0 | 7.0 | 7.5 | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.0 | 9.0 |
| 100° | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 11.0 | 12.0 | 16.5 | 21.0 |
| 102.5° | 11.0 | 11.0 | 11.0 | 12.0 | 13.0 | 15.5 | 18.0 | 22.5 | 27.0 | 33.5 | 40.0 |
| 105° | 21.0 | 21.2 | 22.0 | 24.5 | 27.0 | 31.5 | 36.0 | 42.0 | 48.0 | 55.5 | 63.0 |
| 107.5° | 41.0 | 41.2 | 42.0 | 45.5 | 49.0 | 53.5 | 58.0 | 65.5 | 73.0 | 80.5 | 88.0 |



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CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 1° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 66.0 | 66.4 | 68.0 | 71.0 | 74.0 | 80.5 | 87.0 | 94.5 | 102.0 | 108.0 | 114.0 |
| 112.5° | 99.0 | 99.0 | 99.0 | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 134.0 | 138.5 | 143.0 |
| 115° | 140.0 | 139.8 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 168.0 | 171.0 | 174.0 |
| 117.5° | 184.0 | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 202.0 | 203.5 | 205.0 |
| 120° | 225.0 | 224.6 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 237.0 | 240.0 | 243.0 |
| 122.5° | 263.0 | 262.4 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 271.0 | 274.0 | 277.0 |
| 125° | 298.0 | 297.2 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 305.0 | 307.5 | 310.0 |
| 127.5° | 330.0 | 329.8 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 339.0 | 339.5 | 340.0 |
| 130° | 363.0 | 362.6 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 370.0 | 371.0 | 372.0 |
| 132.5° | 396.0 | 395.6 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 404.0 | 404.5 | 405.0 |
| 135° | 429.0 | 428.4 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 435.0 | 436.0 | 437.0 |
| 137.5° | 460.0 | 459.4 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 464.0 | 466.0 | 468.0 |
| 140° | 488.0 | 487.4 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 491.0 | 494.0 | 497.0 |
| 142.5° | 518.0 | 517.4 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 521.0 | 523.0 | 525.0 |
| 145° | 550.0 | 549.2 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 550.0 | 550.5 | 551.0 |
| 147.5° | 575.0 | 574.4 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 574.0 | 574.5 | 575.0 |
| 150° | 595.0 | 594.4 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 |
| 152.5° | 611.0 | 610.4 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 610.0 | 610.0 | 610.0 |
| 155° | 629.0 | 628.2 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 630.0 | 629.0 | 628.0 |
| 157.5° | 646.0 | 645.4 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 646.0 | 645.5 | 645.0 |
| 160° | 663.0 | 662.4 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 655.0 | 655.0 | 655.0 |
| 162.5° | 673.0 | 672.2 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 661.0 | 662.0 | 663.0 |
| 165° | 681.0 | 680.4 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 673.0 | 673.0 | 673.0 |
| 167.5° | 690.0 | 689.4 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 688.0 | 686.5 | 685.0 |
| 170° | 698.0 | 697.4 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 693.0 | 692.0 | 691.0 |
| 172.5° | 699.0 | 698.6 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 690.0 | 690.0 | 690.0 |
| 175° | 700.0 | 699.6 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 691.0 | 690.5 | 690.0 |
| 177.5° | 707.0 | 706.6 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 697.0 | 696.0 | 695.0 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



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CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 |
| 2.5° | 530.5 | 527.3 | 518.1 | 515.7 | 518.7 | 512.8 | 511.3 | 509.8 | 498.9 | 504.5 | 498.0 |
| 5° | 443.5 | 442.6 | 424.0 | 427.8 | 424.0 | 417.5 | 414.8 | 421.0 | 410.1 | 412.5 | 413.9 |
| 7.5° | 340.9 | 337.3 | 324.9 | 316.6 | 311.6 | 307.1 | 301.5 | 292.3 | 299.4 | 298.0 | 309.2 |
| 10° | 276.6 | 269.0 | 261.3 | 249.7 | 243.2 | 237.0 | 230.5 | 226.9 | 218.7 | 217.8 | 213.9 |
| 12.5° | 253.6 | 242.6 | 232.9 | 222.8 | 216.0 | 203.6 | 193.2 | 186.7 | 181.4 | 173.1 | 166.9 |
| 15° | 222.8 | 213.6 | 200.9 | 191.1 | 180.5 | 169.2 | 159.2 | 150.9 | 147.1 | 139.4 | 135.8 |
| 17.5° | 191.7 | 177.8 | 162.4 | 152.7 | 137.9 | 126.3 | 118.1 | 112.7 | 107.1 | 102.4 | 98.2 |
| 20° | 154.4 | 136.4 | 119.8 | 107.4 | 95.9 | 84.6 | 80.8 | 74.3 | 71.9 | 70.1 | 71.6 |
| 22.5° | 117.5 | 98.8 | 81.7 | 72.2 | 66.0 | 63.0 | 59.8 | 58.6 | 57.7 | 57.4 | 58.0 |
| 25° | 86.1 | 70.4 | 62.1 | 58.6 | 56.2 | 54.4 | 53.3 | 52.4 | 51.8 | 51.5 | 51.8 |
| 27.5° | 66.6 | 58.3 | 54.1 | 51.8 | 50.0 | 48.8 | 48.2 | 47.3 | 47.0 | 46.7 | 47.0 |
| 30° | 57.7 | 53.3 | 50.3 | 47.9 | 45.9 | 43.8 | 42.9 | 42.6 | 42.9 | 43.2 | 42.9 |
| 32.5° | 50.3 | 47.0 | 43.8 | 41.7 | 40.2 | 39.1 | 39.1 | 38.5 | 38.5 | 39.4 | 39.6 |
| 35° | 45.6 | 42.3 | 39.9 | 37.3 | 35.5 | 34.3 | 33.4 | 32.8 | 33.1 | 33.1 | 34.0 |
| 37.5° | 41.7 | 39.4 | 37.3 | 34.9 | 33.1 | 32.0 | 31.4 | 30.8 | 30.5 | 30.2 | 30.2 |
| 40° | 39.1 | 37.6 | 35.8 | 33.4 | 31.7 | 30.5 | 29.9 | 29.3 | 29.0 | 28.7 | 28.7 |
| 42.5° | 39.1 | 36.1 | 34.9 | 32.8 | 30.8 | 29.6 | 28.7 | 28.1 | 27.5 | 27.5 | 27.5 |
| 45° | 42.9 | 37.0 | 34.9 | 32.5 | 30.5 | 29.0 | 28.1 | 27.2 | 26.6 | 26.6 | 26.3 |
| 47.5° | 41.7 | 41.4 | 35.5 | 32.5 | 30.8 | 29.0 | 27.8 | 26.9 | 26.3 | 26.0 | 25.7 |
| 50° | 39.6 | 43.2 | 39.6 | 33.4 | 30.8 | 28.7 | 27.5 | 26.6 | 25.7 | 25.4 | 25.4 |
| 52.5° | 38.5 | 40.2 | 41.1 | 34.6 | 31.1 | 28.7 | 27.2 | 26.3 | 25.7 | 25.1 | 24.9 |
| 55° | 35.5 | 37.9 | 39.4 | 34.0 | 31.1 | 28.1 | 26.6 | 25.7 | 24.9 | 24.6 | 24.3 |
| 57.5° | 32.5 | 34.3 | 37.9 | 34.0 | 30.2 | 27.8 | 26.0 | 24.9 | 24.3 | 24.0 | 23.7 |
| 59° | 31.7 | 31.7 | 33.7 | 34.9 | 29.6 | 27.5 | 25.7 | 24.6 | 24.0 | 23.7 | 23.1 |
| 60° | 30.8 | 30.8 | 32.0 | 35.8 | 29.3 | 27.2 | 25.4 | 24.3 | 23.4 | 23.4 | 23.1 |
| 62.5° | 29.6 | 28.7 | 29.3 | 33.4 | 28.4 | 26.6 | 24.9 | 23.7 | 22.8 | 22.8 | 22.5 |
| 65° | 28.1 | 26.9 | 26.9 | 27.8 | 26.6 | 25.4 | 24.3 | 23.1 | 21.9 | 21.9 | 22.2 |
| 67.5° | 26.6 | 25.4 | 25.1 | 25.1 | 24.6 | 24.3 | 23.1 | 21.9 | 21.3 | 21.3 | 21.3 |
| 70° | 24.6 | 23.7 | 23.4 | 22.8 | 22.8 | 22.5 | 21.6 | 20.7 | 20.1 | 20.4 | 20.1 |
| 72.5° | 22.2 | 21.6 | 21.0 | 21.0 | 20.7 | 20.4 | 19.5 | 18.9 | 18.6 | 18.9 | 18.9 |
| 75° | 19.8 | 18.9 | 18.9 | 18.3 | 18.3 | 18.0 | 17.2 | 16.9 | 16.6 | 16.9 | 17.2 |
| 77.5° | 16.9 | 16.3 | 16.0 | 16.0 | 16.0 | 16.0 | 14.8 | 14.5 | 14.5 | 15.1 | 15.1 |
| 80° | 13.9 | 13.6 | 13.3 | 13.3 | 13.3 | 13.0 | 12.4 | 12.1 | 12.1 | 12.4 | 12.7 |
| 82.5° | 10.7 | 10.1 | 10.1 | 10.4 | 10.7 | 10.7 | 9.8 | 9.2 | 9.2 | 9.8 | 10.4 |
| 85° | 7.1 | 7.1 | 7.1 | 7.4 | 7.4 | 7.7 | 7.1 | 6.2 | 6.5 | 6.8 | 7.7 |
| 87.5° | 3.8 | 4.1 | 3.8 | 3.6 | 4.1 | 3.8 | 3.8 | 3.6 | 3.8 | 4.1 | 4.4 |
| 90° | 8.2 | 8.2 | 8.9 | 9.6 | 9.3 | 9.6 | 8.6 | 7.9 | 7.3 | 7.3 | 8.6 |
| 92.5° | 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.0 | 7.0 | 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 10.5 | 12.0 | 11.0 | 10.0 | 9.5 | 9.0 | 8.5 | 8.0 | 8.0 | 8.0 | 8.5 |
| 100° | 25.0 | 29.0 | 27.5 | 26.0 | 24.5 | 23.0 | 21.0 | 19.0 | 19.0 | 19.0 | 21.0 |
| 102.5° | 45.0 | 50.0 | 48.5 | 47.0 | 44.5 | 42.0 | 40.5 | 39.0 | 38.0 | 39.0 | 40.5 |
| 105° | 67.5 | 72.0 | 71.0 | 70.0 | 67.5 | 65.0 | 63.0 | 61.0 | 61.0 | 61.0 | 63.0 |
| 107.5° | 91.5 | 95.0 | 94.5 | 94.0 | 92.0 | 90.0 | 88.5 | 87.0 | 86.0 | 87.0 | 88.5 |



REPORT NUMBER: P227351

CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 117.0 | 116.0 | 117.5 |
| 112.5° | 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 147.0 | 147.0 | 148.0 |
| 115° | 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 178.0 | 177.0 | 178.0 |
| 117.5° | 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 209.0 | 208.0 | 209.0 |
| 120° | 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 243.0 | 243.0 | 244.0 |
| 122.5° | 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 277.0 | 276.0 | 277.0 |
| 125° | 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 | 310.0 |
| 127.5° | 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 347.0 | 345.0 | 345.5 |
| 130° | 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 380.0 | 379.0 | 380.0 |
| 132.5° | 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 | 414.0 | 414.0 |
| 135° | 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 451.0 | 450.0 | 448.5 |
| 137.5° | 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 482.0 | 481.0 | 478.5 |
| 140° | 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 511.0 | 509.0 | 506.5 |
| 142.5° | 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 536.0 | 534.0 | 533.5 |
| 145° | 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 560.0 | 558.0 | 559.5 |
| 147.5° | 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 585.0 | 583.0 | 584.5 |
| 150° | 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 610.0 | 606.0 | 604.5 |
| 152.5° | 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 628.0 | 623.0 | 620.5 |
| 155° | 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 641.0 | 638.0 | 637.0 |
| 157.5° | 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 655.0 | 650.0 | 650.0 |
| 160° | 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 666.0 | 660.0 | 660.5 |
| 162.5° | 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 674.0 | 668.0 | 669.0 |
| 165° | 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 682.0 | 678.0 | 679.0 |
| 167.5° | 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 694.0 | 688.0 | 688.0 |
| 170° | 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 172.5° | 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 701.0 | 696.0 | 695.0 |
| 175° | 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 699.0 | 694.0 | 695.0 |
| 177.5° | 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 702.0 | 698.0 | 699.5 |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |



REPORT NUMBER: P227351

CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 |
| 2.5° | 503.9 | 498.9 | 496.2 | 506.5 | 505.7 | 496.8 | 496.8 | 503.0 | 503.3 | 498.0 | 504.2 |
| 5° | 415.7 | 410.7 | 415.4 | 411.3 | 413.6 | 413.3 | 416.9 | 410.4 | 413.0 | 410.7 | 405.1 |
| 7.5° | 308.3 | 318.4 | 323.7 | 316.9 | 325.5 | 329.9 | 323.7 | 329.9 | 320.1 | 312.2 | 319.8 |
| 10° | 212.1 | 223.4 | 221.3 | 232.3 | 236.4 | 238.8 | 243.2 | 237.6 | 230.8 | 228.7 | 223.1 |
| 12.5° | 164.5 | 162.1 | 161.3 | 165.7 | 168.4 | 164.5 | 167.8 | 164.2 | 160.7 | 154.4 | 154.2 |
| 15° | 128.7 | 124.9 | 122.2 | 117.2 | 115.4 | 116.3 | 117.8 | 117.8 | 110.7 | 111.0 | 113.6 |
| 17.5° | 97.6 | 96.8 | 94.7 | 90.5 | 87.9 | 88.8 | 88.5 | 87.0 | 86.1 | 86.7 | 89.9 |
| 20° | 73.4 | 72.5 | 73.7 | 74.9 | 74.0 | 74.3 | 73.1 | 71.6 | 71.0 | 71.6 | 72.2 |
| 22.5° | 58.0 | 59.2 | 60.7 | 62.4 | 62.7 | 64.2 | 63.9 | 64.2 | 63.0 | 62.4 | 61.0 |
| 25° | 53.0 | 53.6 | 52.7 | 53.0 | 53.0 | 54.4 | 54.1 | 54.1 | 53.0 | 52.7 | 53.0 |
| 27.5° | 46.7 | 46.5 | 46.5 | 47.0 | 47.0 | 47.9 | 48.5 | 47.9 | 46.7 | 46.5 | 46.7 |
| 30° | 43.2 | 42.9 | 42.6 | 42.9 | 42.6 | 42.9 | 43.5 | 43.5 | 42.9 | 42.0 | 42.3 |
| 32.5° | 39.6 | 39.6 | 39.4 | 39.6 | 39.4 | 39.4 | 39.9 | 39.1 | 39.1 | 38.8 | 38.8 |
| 35° | 34.9 | 35.5 | 36.1 | 36.4 | 36.4 | 36.4 | 37.0 | 36.1 | 35.8 | 35.5 | 35.5 |
| 37.5° | 30.2 | 30.8 | 32.5 | 33.4 | 33.7 | 34.3 | 34.6 | 34.0 | 33.4 | 32.8 | 32.3 |
| 40° | 28.7 | 28.7 | 29.3 | 30.5 | 31.7 | 32.0 | 32.5 | 31.7 | 31.4 | 30.5 | 29.6 |
| 42.5° | 27.5 | 27.8 | 27.8 | 28.1 | 28.4 | 29.0 | 29.9 | 29.0 | 28.4 | 27.8 | 26.9 |
| 45° | 26.6 | 26.6 | 26.6 | 26.6 | 26.3 | 26.3 | 26.6 | 26.0 | 25.7 | 25.4 | 25.4 |
| 47.5° | 26.0 | 25.7 | 25.4 | 25.1 | 24.9 | 24.6 | 24.6 | 24.0 | 24.0 | 24.0 | 24.0 |
| 50° | 25.4 | 24.9 | 24.6 | 24.3 | 23.7 | 23.7 | 23.7 | 23.1 | 22.8 | 22.8 | 23.1 |
| 52.5° | 24.6 | 24.3 | 24.0 | 23.7 | 23.4 | 23.1 | 23.1 | 22.5 | 22.2 | 22.2 | 22.2 |
| 55° | 24.3 | 24.0 | 23.4 | 23.1 | 22.8 | 23.1 | 22.8 | 22.5 | 21.9 | 21.9 | 21.9 |
| 57.5° | 23.4 | 23.7 | 23.4 | 22.8 | 22.8 | 22.8 | 22.8 | 22.2 | 21.9 | 21.3 | 21.6 |
| 59° | 23.1 | 23.4 | 23.1 | 22.8 | 22.5 | 22.8 | 22.8 | 21.9 | 21.6 | 21.3 | 21.3 |
| 60° | 22.8 | 23.1 | 22.8 | 22.5 | 22.5 | 22.8 | 22.5 | 22.2 | 21.6 | 20.7 | 21.0 |
| 62.5° | 22.5 | 22.5 | 22.2 | 22.2 | 21.9 | 22.2 | 21.9 | 21.3 | 20.7 | 20.1 | 19.8 |
| 65° | 21.9 | 21.9 | 21.6 | 21.6 | 21.3 | 21.3 | 21.3 | 20.7 | 20.1 | 19.5 | 19.5 |
| 67.5° | 21.6 | 21.3 | 21.0 | 21.0 | 20.7 | 20.7 | 20.7 | 20.1 | 19.2 | 18.9 | 18.6 |
| 70° | 20.4 | 20.1 | 20.1 | 19.8 | 19.5 | 19.8 | 20.1 | 19.2 | 18.3 | 17.8 | 17.5 |
| 72.5° | 19.2 | 18.9 | 18.9 | 18.6 | 18.6 | 18.9 | 19.2 | 18.3 | 17.2 | 16.6 | 16.3 |
| 75° | 17.5 | 17.2 | 17.2 | 17.2 | 17.2 | 17.8 | 17.8 | 16.9 | 16.0 | 15.1 | 14.5 |
| 77.5° | 15.1 | 15.4 | 15.4 | 15.4 | 15.4 | 16.0 | 16.0 | 15.4 | 14.5 | 13.9 | 13.0 |
| 80° | 13.0 | 13.0 | 13.3 | 13.3 | 13.6 | 13.6 | 13.3 | 13.0 | 12.7 | 12.1 | 10.9 |
| 82.5° | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.7 | 10.1 | 10.7 | 10.7 | 10.1 | 9.2 |
| 85° | 8.6 | 8.6 | 8.6 | 8.9 | 8.9 | 8.0 | 7.1 | 7.1 | 8.0 | 7.7 | 7.1 |
| 87.5° | 5.0 | 5.0 | 5.3 | 6.2 | 5.6 | 5.3 | 4.4 | 4.7 | 4.4 | 5.0 | 4.1 |
| 90° | 10.2 | 9.9 | 9.9 | 8.3 | 7.6 | 7.0 | 7.0 | 7.5 | 8.0 | 8.0 | 8.0 |
| 92.5° | 6.0 | 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| 95° | 7.0 | 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| 97.5° | 9.0 | 9.5 | 10.0 | 11.0 | 12.0 | 10.5 | 9.0 | 9.0 | 9.0 | 8.5 | 8.0 |
| 100° | 23.0 | 24.5 | 26.0 | 27.5 | 29.0 | 25.0 | 21.0 | 16.5 | 12.0 | 11.0 | 10.0 |
| 102.5° | 42.0 | 44.5 | 47.0 | 48.5 | 50.0 | 45.0 | 40.0 | 33.5 | 27.0 | 22.5 | 18.0 |
| 105° | 65.0 | 67.5 | 70.0 | 71.0 | 72.0 | 67.5 | 63.0 | 55.5 | 48.0 | 42.0 | 36.0 |
| 107.5° | 90.0 | 92.0 | 94.0 | 94.5 | 95.0 | 91.5 | 88.0 | 80.5 | 73.0 | 65.5 | 58.0 |



REPORT NUMBER: P227351
 CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 119.0 | 120.0 | 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 102.0 | 94.5 | 87.0 | 0° |
| 112.5° | 149.0 | 149.5 | 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 134.0 | 127.5 | 121.0 | 2.5° |
| 115° | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 168.0 | 163.5 | 159.0 | 5° |
| 117.5° | 210.0 | 212.5 | 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 202.0 | 199.5 | 197.0 | 7.5° |
| 120° | 245.0 | 247.5 | 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 237.0 | 235.0 | 233.0 | 10° |
| 122.5° | 278.0 | 280.5 | 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 271.0 | 269.0 | 267.0 | 12.5° |
| 125° | 310.0 | 312.5 | 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 305.0 | 302.0 | 299.0 | 15° |
| 127.5° | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 339.0 | 336.0 | 333.0 | 17.5° |
| 130° | 381.0 | 381.0 | 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 370.0 | 368.0 | 366.0 | 20° |
| 132.5° | 414.0 | 415.0 | 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 404.0 | 402.5 | 401.0 | 22.5° |
| 135° | 447.0 | 447.5 | 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 435.0 | 433.5 | 432.0 | 25° |
| 137.5° | 476.0 | 475.5 | 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 464.0 | 462.0 | 460.0 | 27.5° |
| 140° | 504.0 | 503.0 | 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 491.0 | 490.0 | 489.0 | 30° |
| 142.5° | 533.0 | 533.0 | 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 521.0 | 519.5 | 518.0 | 32.5° |
| 145° | 561.0 | 561.5 | 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 550.0 | 548.5 | 547.0 | 35° |
| 147.5° | 586.0 | 585.5 | 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 574.0 | 574.0 | 574.0 | 37.5° |
| 150° | 603.0 | 601.5 | 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 40° |
| 152.5° | 618.0 | 616.0 | 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 610.0 | 609.5 | 609.0 | 42.5° |
| 155° | 636.0 | 633.5 | 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 630.0 | 628.5 | 627.0 | 45° |
| 157.5° | 650.0 | 649.0 | 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 646.0 | 645.0 | 644.0 | 47.5° |
| 160° | 661.0 | 662.5 | 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 655.0 | 655.5 | 656.0 | 50° |
| 162.5° | 670.0 | 670.5 | 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 661.0 | 663.0 | 665.0 | 52.5° |
| 165° | 680.0 | 678.5 | 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 673.0 | 674.5 | 676.0 | 55° |
| 167.5° | 688.0 | 686.0 | 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 688.0 | 687.0 | 686.0 | 57.5° |
| 170° | 694.0 | 691.5 | 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 693.0 | 692.5 | 692.0 | 59° |
| 172.5° | 694.0 | 693.0 | 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 690.0 | 691.5 | 693.0 | 60° |
| 175° | 696.0 | 695.5 | 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 691.0 | 693.0 | 695.0 | 62.5° |
| 177.5° | 701.0 | 700.0 | 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 697.0 | 698.0 | 699.0 | 65° |
| 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |



NUMBER: P227351
 NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

| 160° | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 110° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 110° | 80.5 |
| 504.8 | 506.0 | 508.6 | 507.7 | 517.5 | 514.5 | 521.3 | 530.5 | 539.1 | 534.9 | 536.1 | 112.5° | 113.5 |
| 415.1 | 416.6 | 405.4 | 412.2 | 422.2 | 418.1 | 416.6 | 430.2 | 427.0 | 442.3 | 429.6 | 115° | 153.0 |
| 307.4 | 303.9 | 298.5 | 295.9 | 288.5 | 288.5 | 302.4 | 308.6 | 307.7 | 318.4 | 329.3 | 117.5° | 193.0 |
| 216.0 | 211.8 | 205.3 | 203.6 | 211.0 | 214.5 | 220.7 | 226.9 | 235.2 | 247.4 | 254.5 | 120° | 229.5 |
| 158.6 | 157.1 | 158.6 | 163.0 | 169.8 | 174.9 | 184.3 | 195.3 | 204.5 | 214.2 | 223.7 | 122.5° | 264.0 |
| 119.8 | 122.8 | 126.6 | 129.6 | 134.9 | 144.4 | 149.4 | 161.6 | 169.8 | 178.4 | 189.4 | 125° | 297.5 |
| 93.2 | 95.0 | 95.9 | 97.0 | 101.5 | 108.3 | 108.3 | 120.7 | 131.7 | 142.9 | 152.1 | 127.5° | 331.0 |
| 71.0 | 71.0 | 68.1 | 69.8 | 70.4 | 69.8 | 73.4 | 80.5 | 87.6 | 95.0 | 109.5 | 130° | 364.0 |
| 59.5 | 57.7 | 56.8 | 56.5 | 56.8 | 58.0 | 60.1 | 62.7 | 63.9 | 67.2 | 72.8 | 132.5° | 397.0 |
| 52.7 | 52.4 | 51.5 | 51.5 | 52.1 | 52.4 | 54.4 | 56.8 | 57.4 | 58.3 | 60.4 | 135° | 429.0 |
| 46.5 | 47.0 | 47.9 | 47.6 | 47.9 | 48.5 | 50.0 | 52.1 | 53.3 | 53.6 | 55.0 | 137.5° | 459.5 |
| 42.0 | 42.6 | 42.9 | 43.8 | 43.8 | 44.1 | 45.3 | 47.3 | 48.2 | 49.7 | 51.2 | 140° | 488.0 |
| 39.1 | 39.4 | 39.6 | 39.4 | 39.6 | 39.6 | 41.1 | 43.2 | 44.4 | 45.3 | 46.2 | 142.5° | 517.5 |
| 35.8 | 35.5 | 35.5 | 35.5 | 34.6 | 34.3 | 34.9 | 37.0 | 37.3 | 38.2 | 40.2 | 145° | 545.5 |
| 32.0 | 31.1 | 30.5 | 30.5 | 30.5 | 30.8 | 32.3 | 34.3 | 34.6 | 35.5 | 37.3 | 147.5° | 572.5 |
| 28.4 | 28.1 | 28.1 | 28.4 | 28.7 | 29.3 | 30.5 | 32.5 | 32.8 | 33.7 | 35.2 | 150° | 593.0 |
| 26.6 | 26.6 | 26.6 | 26.9 | 27.2 | 27.5 | 29.0 | 31.1 | 31.7 | 32.5 | 34.3 | 152.5° | 608.5 |
| 25.4 | 25.7 | 25.4 | 25.4 | 25.7 | 26.3 | 27.8 | 30.2 | 31.1 | 32.0 | 33.7 | 155° | 626.0 |
| 24.6 | 24.6 | 24.6 | 24.9 | 24.9 | 25.4 | 27.2 | 29.6 | 30.2 | 31.4 | 34.0 | 157.5° | 643.5 |
| 23.4 | 24.0 | 23.7 | 24.0 | 24.3 | 24.9 | 26.6 | 29.0 | 29.9 | 31.7 | 34.6 | 160° | 657.5 |
| 22.8 | 22.8 | 22.8 | 23.1 | 23.7 | 24.0 | 25.4 | 28.1 | 29.3 | 31.7 | 36.4 | 162.5° | 667.0 |
| 22.5 | 21.9 | 21.9 | 22.2 | 22.8 | 23.4 | 24.9 | 27.5 | 29.0 | 31.4 | 36.1 | 165° | 676.0 |
| 22.2 | 21.3 | 21.0 | 21.3 | 21.9 | 22.2 | 24.0 | 26.6 | 28.7 | 30.5 | 34.9 | 167.5° | 685.0 |
| 21.3 | 20.7 | 20.4 | 20.7 | 21.3 | 21.9 | 23.4 | 26.0 | 27.5 | 29.9 | 33.4 | 170° | 692.0 |
| 21.0 | 20.1 | 20.1 | 20.4 | 21.0 | 21.3 | 22.8 | 25.4 | 26.9 | 30.2 | 34.3 | 172.5° | 694.0 |
| 19.8 | 19.5 | 19.5 | 19.8 | 19.8 | 20.4 | 22.2 | 24.9 | 26.0 | 30.8 | 28.7 | 175° | 696.0 |
| 18.9 | 18.9 | 18.9 | 18.9 | 19.2 | 19.5 | 21.6 | 24.3 | 24.9 | 26.6 | 24.6 | 177.5° | 699.5 |
| 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.9 | 20.7 | 23.4 | 23.7 | 23.4 | 22.5 | 180° | 700.0 |
| 17.2 | 17.2 | 17.2 | 17.2 | 17.5 | 17.8 | 19.5 | 21.9 | 21.9 | 21.3 | 21.3 | | |
| 16.3 | 16.0 | 16.0 | 16.0 | 16.0 | 16.3 | 18.0 | 20.4 | 20.1 | 19.8 | 19.8 | | |
| 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 16.3 | 18.6 | 18.3 | 18.0 | 17.8 | | |
| 12.7 | 12.7 | 13.0 | 12.7 | 12.4 | 12.1 | 13.9 | 16.6 | 16.6 | 16.3 | 16.0 | | |
| 10.9 | 10.7 | 10.9 | 10.7 | 10.1 | 10.1 | 11.5 | 13.9 | 14.2 | 13.9 | 13.3 | | |
| 8.9 | 8.6 | 8.6 | 8.6 | 7.4 | 7.4 | 8.9 | 11.2 | 11.2 | 10.9 | 10.4 | | |
| 6.8 | 6.5 | 6.2 | 5.9 | 5.0 | 5.0 | 6.2 | 8.3 | 8.6 | 7.4 | 7.1 | | |
| 3.6 | 3.6 | 3.6 | 2.7 | 2.4 | 2.1 | 3.3 | 5.0 | 5.0 | 4.1 | 3.6 | | |
| 7.5 | 7.0 | 6.0 | 5.0 | 5.0 | 5.0 | 6.0 | 7.3 | 7.5 | 8.0 | 8.0 | | |
| 5.5 | 5.0 | 4.5 | 4.0 | 4.0 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.0 | | |
| 6.5 | 6.0 | 5.5 | 5.0 | 5.0 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.0 | | |
| 8.0 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.5 | 8.0 | 8.0 | 8.0 | 8.5 | | |
| 9.5 | 9.0 | 8.5 | 8.0 | 8.0 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 11.0 | | |
| 15.5 | 13.0 | 12.0 | 11.0 | 11.0 | 11.0 | 12.0 | 13.0 | 15.5 | 18.0 | 22.5 | | |
| 31.5 | 27.0 | 24.5 | 22.0 | 21.0 | 22.0 | 24.5 | 27.0 | 31.5 | 36.0 | 42.0 | | |
| 53.5 | 49.0 | 45.5 | 42.0 | 41.0 | 42.0 | 45.5 | 49.0 | 53.5 | 58.0 | 65.5 | | |

'227351
 IST-AF-350-LED-E1-SLR-8030-ULG

REPORT NUMBER: P227351
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TION (continued):

CANDELA DISTRIBUTION (con

| 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | | 215° | 220° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 74.0 | 71.0 | 68.0 | 66.0 | 68.0 | 71.0 | 74.0 | 80.5 | 87.0 | 94.5 | 0° | 580.8 | 580.8 |
| 106.0 | 102.5 | 99.0 | 99.0 | 99.0 | 102.5 | 106.0 | 113.5 | 121.0 | 127.5 | 2.5° | 543.5 | 546.2 |
| 147.0 | 143.0 | 139.0 | 140.0 | 139.0 | 143.0 | 147.0 | 153.0 | 159.0 | 163.5 | 5° | 439.1 | 449.4 |
| 189.0 | 186.5 | 184.0 | 184.0 | 184.0 | 186.5 | 189.0 | 193.0 | 197.0 | 199.5 | 7.5° | 332.0 | 345.9 |
| 226.0 | 224.5 | 223.0 | 225.0 | 223.0 | 224.5 | 226.0 | 229.5 | 233.0 | 235.0 | 10° | 266.0 | 275.5 |
| 261.0 | 260.5 | 260.0 | 263.0 | 260.0 | 260.5 | 261.0 | 264.0 | 267.0 | 269.0 | 12.5° | 233.4 | 247.1 |
| 296.0 | 295.0 | 294.0 | 298.0 | 294.0 | 295.0 | 296.0 | 297.5 | 299.0 | 302.0 | 15° | 200.3 | 215.1 |
| 329.0 | 329.0 | 329.0 | 330.0 | 329.0 | 329.0 | 329.0 | 331.0 | 333.0 | 336.0 | 17.5° | 164.2 | 182.3 |
| 362.0 | 361.5 | 361.0 | 363.0 | 361.0 | 361.5 | 362.0 | 364.0 | 366.0 | 368.0 | 20° | 125.5 | 143.2 |
| 393.0 | 393.5 | 394.0 | 396.0 | 394.0 | 393.5 | 393.0 | 397.0 | 401.0 | 402.5 | 22.5° | 88.2 | 103.3 |
| 426.0 | 426.0 | 426.0 | 429.0 | 426.0 | 426.0 | 426.0 | 429.0 | 432.0 | 433.5 | 25° | 64.2 | 71.0 |
| 459.0 | 458.0 | 457.0 | 460.0 | 457.0 | 458.0 | 459.0 | 459.5 | 460.0 | 462.0 | 27.5° | 57.1 | 59.8 |
| 487.0 | 486.0 | 485.0 | 488.0 | 485.0 | 486.0 | 487.0 | 488.0 | 489.0 | 490.0 | 30° | 53.6 | 55.3 |
| 517.0 | 516.0 | 515.0 | 518.0 | 515.0 | 516.0 | 517.0 | 517.5 | 518.0 | 519.5 | 32.5° | 48.2 | 50.0 |
| 544.0 | 545.0 | 546.0 | 550.0 | 546.0 | 545.0 | 544.0 | 545.5 | 547.0 | 548.5 | 35° | 42.3 | 44.7 |
| 571.0 | 571.5 | 572.0 | 575.0 | 572.0 | 571.5 | 571.0 | 572.5 | 574.0 | 574.0 | 37.5° | 39.4 | 41.1 |
| 593.0 | 592.5 | 592.0 | 595.0 | 592.0 | 592.5 | 593.0 | 593.0 | 593.0 | 593.0 | 40° | 37.6 | 37.9 |
| 608.0 | 608.0 | 608.0 | 611.0 | 608.0 | 608.0 | 608.0 | 608.5 | 609.0 | 609.5 | 42.5° | 36.1 | 36.1 |
| 625.0 | 625.0 | 625.0 | 629.0 | 625.0 | 625.0 | 625.0 | 626.0 | 627.0 | 628.5 | 45° | 35.2 | 36.1 |
| 643.0 | 643.0 | 643.0 | 646.0 | 643.0 | 643.0 | 643.0 | 643.5 | 644.0 | 645.0 | 47.5° | 35.8 | 39.6 |
| 659.0 | 659.5 | 660.0 | 663.0 | 660.0 | 659.5 | 659.0 | 657.5 | 656.0 | 655.5 | 50° | 40.2 | 39.1 |
| 669.0 | 669.0 | 669.0 | 673.0 | 669.0 | 669.0 | 669.0 | 667.0 | 665.0 | 663.0 | 52.5° | 41.1 | 36.7 |
| 676.0 | 677.0 | 678.0 | 681.0 | 678.0 | 677.0 | 676.0 | 676.0 | 676.0 | 674.5 | 55° | 37.6 | 35.2 |
| 684.0 | 685.5 | 687.0 | 690.0 | 687.0 | 685.5 | 684.0 | 685.0 | 686.0 | 687.0 | 57.5° | 33.7 | 30.8 |
| 692.0 | 693.5 | 695.0 | 698.0 | 695.0 | 693.5 | 692.0 | 692.0 | 692.0 | 692.5 | 59° | 30.2 | 28.4 |
| 695.0 | 696.0 | 697.0 | 699.0 | 697.0 | 696.0 | 695.0 | 694.0 | 693.0 | 691.5 | 60° | 28.1 | 27.5 |
| 697.0 | 697.5 | 698.0 | 700.0 | 698.0 | 697.5 | 697.0 | 696.0 | 695.0 | 693.0 | 62.5° | 25.7 | 26.3 |
| 700.0 | 702.5 | 705.0 | 707.0 | 705.0 | 702.5 | 700.0 | 699.5 | 699.0 | 698.0 | 65° | 24.0 | 25.1 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 23.1 | 24.0 |
| | | | | | | | | | | 70° | 21.6 | 22.2 |
| | | | | | | | | | | 72.5° | 20.1 | 20.4 |
| | | | | | | | | | | 75° | 18.0 | 18.3 |
| | | | | | | | | | | 77.5° | 16.0 | 16.0 |
| | | | | | | | | | | 80° | 13.0 | 13.0 |
| | | | | | | | | | | 82.5° | 10.1 | 9.8 |
| | | | | | | | | | | 85° | 6.5 | 6.2 |
| | | | | | | | | | | 87.5° | 3.0 | 2.4 |
| | | | | | | | | | | 90° | 8.0 | 7.5 |
| | | | | | | | | | | 92.5° | 6.0 | 6.0 |
| | | | | | | | | | | 95° | 7.0 | 7.0 |
| | | | | | | | | | | 97.5° | 9.0 | 9.0 |
| | | | | | | | | | | 100° | 12.0 | 16.5 |
| | | | | | | | | | | 102.5° | 27.0 | 33.5 |
| | | | | | | | | | | 105° | 48.0 | 55.5 |
| | | | | | | | | | | 107.5° | 73.0 | 80.5 |

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CATALOG NUMBER: IST-AF-350-LED-E1-S

0-LED-E1-SLR-8030-ULG

tinued):

CANDELA DISTRIBUTION (continued):

| 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | | 215° | 220° | 225° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 110° | 102.0 | 108.0 | 114.0 |
| 559.5 | 567.8 | 574.3 | 573.1 | 587.0 | 595.3 | 596.5 | 605.1 | 613.4 | 112.5° | 134.0 | 138.5 | 143.0 |
| 457.7 | 469.3 | 480.5 | 488.8 | 510.7 | 528.7 | 542.6 | 557.4 | 574.9 | 115° | 168.0 | 171.0 | 174.0 |
| 364.8 | 374.6 | 392.9 | 406.2 | 429.3 | 450.3 | 470.7 | 494.1 | 513.9 | 117.5° | 202.0 | 203.5 | 205.0 |
| 285.8 | 298.2 | 315.4 | 340.3 | 361.0 | 384.9 | 410.7 | 432.9 | 466.0 | 120° | 237.0 | 240.0 | 243.0 |
| 256.8 | 264.5 | 278.7 | 290.6 | 316.3 | 341.7 | 370.7 | 401.2 | 431.7 | 122.5° | 271.0 | 274.0 | 277.0 |
| 226.9 | 240.5 | 253.9 | 271.0 | 293.5 | 321.3 | 352.7 | 385.5 | 419.9 | 125° | 305.0 | 307.5 | 310.0 |
| 197.9 | 216.0 | 230.5 | 249.1 | 274.3 | 309.5 | 350.3 | 391.2 | 431.4 | 127.5° | 339.0 | 339.5 | 340.0 |
| 162.4 | 179.3 | 204.7 | 223.7 | 256.5 | 300.6 | 353.0 | 409.5 | 463.9 | 130° | 370.0 | 371.0 | 372.0 |
| 127.8 | 145.9 | 174.9 | 203.0 | 239.1 | 295.9 | 363.6 | 439.7 | 512.5 | 132.5° | 404.0 | 404.5 | 405.0 |
| 91.4 | 116.0 | 144.7 | 180.2 | 224.0 | 292.9 | 378.1 | 477.0 | 574.9 | 135° | 435.0 | 436.0 | 437.0 |
| 68.3 | 85.5 | 120.4 | 159.2 | 207.1 | 287.6 | 393.5 | 511.6 | 617.5 | 137.5° | 464.0 | 466.0 | 468.0 |
| 61.0 | 73.1 | 95.9 | 136.7 | 186.4 | 277.2 | 405.1 | 544.4 | 656.3 | 140° | 491.0 | 494.0 | 497.0 |
| 53.3 | 62.7 | 80.8 | 115.4 | 167.8 | 261.3 | 410.1 | 561.9 | 683.2 | 142.5° | 521.0 | 523.0 | 525.0 |
| 46.7 | 55.6 | 74.0 | 107.1 | 158.3 | 243.2 | 409.2 | 579.3 | 716.9 | 145° | 550.0 | 550.5 | 551.0 |
| 42.6 | 50.3 | 71.0 | 105.0 | 150.9 | 226.6 | 410.1 | 607.4 | 766.9 | 147.5° | 574.0 | 574.5 | 575.0 |
| 39.4 | 48.2 | 68.6 | 100.6 | 147.3 | 217.5 | 413.6 | 632.3 | 809.8 | 150° | 593.0 | 593.0 | 593.0 |
| 39.4 | 47.6 | 62.7 | 94.4 | 145.6 | 218.4 | 415.1 | 651.5 | 841.8 | 152.5° | 610.0 | 610.0 | 610.0 |
| 41.4 | 44.7 | 58.3 | 90.8 | 146.8 | 224.9 | 413.3 | 671.1 | 872.8 | 155° | 630.0 | 629.0 | 628.0 |
| 39.4 | 41.7 | 55.3 | 90.2 | 146.8 | 229.6 | 418.7 | 695.3 | 913.7 | 157.5° | 646.0 | 645.5 | 645.0 |
| 37.3 | 38.8 | 54.4 | 89.4 | 143.8 | 234.0 | 440.6 | 740.6 | 966.9 | 160° | 655.0 | 655.0 | 655.0 |
| 34.6 | 36.4 | 53.3 | 87.9 | 140.5 | 239.7 | 479.3 | 816.6 | 1055.1 | 162.5° | 661.0 | 662.0 | 663.0 |
| 31.4 | 34.9 | 51.5 | 85.5 | 138.5 | 249.7 | 519.0 | 893.6 | 1160.1 | 165° | 673.0 | 673.0 | 673.0 |
| 30.2 | 33.4 | 47.3 | 79.9 | 136.4 | 260.7 | 561.3 | 967.2 | 1254.5 | 167.5° | 688.0 | 686.5 | 685.0 |
| 29.3 | 32.3 | 43.8 | 75.7 | 134.6 | 266.0 | 574.0 | 995.3 | 1290.9 | 170° | 693.0 | 692.0 | 691.0 |
| 28.7 | 31.7 | 41.7 | 72.2 | 132.6 | 266.3 | 583.2 | 1006.0 | 1296.2 | 172.5° | 690.0 | 690.0 | 690.0 |
| 27.8 | 30.5 | 37.6 | 64.8 | 126.0 | 266.0 | 584.1 | 1012.8 | 1280.9 | 175° | 691.0 | 690.5 | 690.0 |
| 26.3 | 29.3 | 37.9 | 61.0 | 114.2 | 253.6 | 547.4 | 980.0 | 1219.6 | 177.5° | 697.0 | 696.0 | 695.0 |
| 25.1 | 28.4 | 39.9 | 61.8 | 101.8 | 221.6 | 478.7 | 877.9 | 1088.5 | 180° | 700.0 | 700.0 | 700.0 |
| 23.4 | 27.8 | 41.7 | 63.9 | 98.2 | 184.0 | 362.2 | 716.9 | 911.6 | | | | |
| 21.6 | 27.5 | 43.2 | 65.4 | 94.4 | 151.5 | 250.9 | 508.3 | 682.3 | | | | |
| 19.5 | 25.1 | 39.4 | 55.6 | 78.1 | 110.1 | 161.6 | 332.6 | 470.4 | | | | |
| 16.9 | 20.1 | 28.7 | 39.1 | 57.4 | 76.9 | 95.6 | 200.9 | 307.7 | | | | |
| 13.9 | 15.1 | 20.4 | 25.1 | 38.2 | 45.6 | 53.0 | 113.3 | 215.1 | | | | |
| 10.4 | 10.7 | 13.9 | 16.0 | 21.6 | 25.1 | 31.7 | 69.5 | 174.3 | | | | |
| 5.9 | 6.8 | 9.5 | 10.7 | 13.0 | 16.0 | 20.7 | 44.4 | 136.7 | | | | |
| 2.4 | 3.0 | 5.6 | 6.2 | 7.1 | 8.9 | 11.5 | 25.7 | 42.6 | | | | |
| 7.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 8.0 | 7.0 | | | | |
| 6.0 | 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | 6.0 | | | | |
| 7.0 | 7.0 | 7.0 | 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | | | | |
| 9.0 | 10.5 | 12.0 | 11.0 | 10.0 | 9.5 | 9.0 | 8.5 | 8.0 | | | | |
| 21.0 | 25.0 | 29.0 | 27.5 | 26.0 | 24.5 | 23.0 | 21.0 | 19.0 | | | | |
| 40.0 | 45.0 | 50.0 | 48.5 | 47.0 | 44.5 | 42.0 | 40.5 | 39.0 | | | | |
| 63.0 | 67.5 | 72.0 | 71.0 | 70.0 | 67.5 | 65.0 | 63.0 | 61.0 | | | | |
| 88.0 | 91.5 | 95.0 | 94.5 | 94.0 | 92.0 | 90.0 | 88.5 | 87.0 | | | | |



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SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | | 270° | 275° | 280° | 285° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 117.0 | 120.0 | 120.5 | 121.0 | 120.0 | 119.0 | 117.5 | 116.0 | 0° | 580.8 | 580.8 | 580.8 | 580.8 |
| 145.5 | 148.0 | 149.0 | 150.0 | 149.5 | 149.0 | 148.0 | 147.0 | 2.5° | 621.6 | 627.9 | 633.2 | 637.3 |
| 176.5 | 179.0 | 180.5 | 182.0 | 180.5 | 179.0 | 178.0 | 177.0 | 5° | 593.5 | 608.0 | 625.5 | 640.3 |
| 208.0 | 211.0 | 213.0 | 215.0 | 212.5 | 210.0 | 209.0 | 208.0 | 7.5° | 543.5 | 561.9 | 590.3 | 607.7 |
| 244.5 | 246.0 | 248.0 | 250.0 | 247.5 | 245.0 | 244.0 | 243.0 | 10° | 496.2 | 523.1 | 554.2 | 579.3 |
| 278.0 | 279.0 | 281.0 | 283.0 | 280.5 | 278.0 | 277.0 | 276.0 | 12.5° | 463.9 | 497.4 | 527.0 | 555.1 |
| 311.5 | 313.0 | 314.0 | 315.0 | 312.5 | 310.0 | 310.0 | 310.0 | 15° | 455.1 | 489.1 | 515.7 | 541.5 |
| 342.5 | 345.0 | 345.5 | 346.0 | 346.0 | 346.0 | 345.5 | 345.0 | 17.5° | 472.8 | 506.8 | 529.6 | 545.3 |
| 374.5 | 377.0 | 379.0 | 381.0 | 381.0 | 381.0 | 380.0 | 379.0 | 20° | 514.5 | 550.9 | 565.4 | 564.2 |
| 408.0 | 411.0 | 413.5 | 416.0 | 415.0 | 414.0 | 414.0 | 414.0 | 22.5° | 571.6 | 609.8 | 609.8 | 598.0 |
| 440.0 | 443.0 | 445.5 | 448.0 | 447.5 | 447.0 | 448.5 | 450.0 | 25° | 647.1 | 674.6 | 659.5 | 637.0 |
| 470.5 | 473.0 | 474.0 | 475.0 | 475.5 | 476.0 | 478.5 | 481.0 | 27.5° | 700.6 | 726.4 | 700.1 | 663.1 |
| 498.5 | 500.0 | 501.0 | 502.0 | 503.0 | 504.0 | 506.5 | 509.0 | 30° | 745.0 | 764.0 | 730.5 | 685.8 |
| 526.0 | 527.0 | 530.0 | 533.0 | 533.0 | 533.0 | 533.5 | 534.0 | 32.5° | 784.1 | 798.0 | 753.9 | 709.8 |
| 553.5 | 556.0 | 559.0 | 562.0 | 561.5 | 561.0 | 559.5 | 558.0 | 35° | 830.8 | 835.9 | 778.2 | 731.1 |
| 577.5 | 580.0 | 582.5 | 585.0 | 585.5 | 586.0 | 584.5 | 583.0 | 37.5° | 882.6 | 886.7 | 813.1 | 754.5 |
| 595.0 | 597.0 | 598.5 | 600.0 | 601.5 | 603.0 | 604.5 | 606.0 | 40° | 943.6 | 928.8 | 838.8 | 776.1 |
| 610.5 | 611.0 | 612.5 | 614.0 | 616.0 | 618.0 | 620.5 | 623.0 | 42.5° | 981.1 | 956.9 | 857.5 | 787.3 |
| 627.0 | 626.0 | 628.5 | 631.0 | 633.5 | 636.0 | 637.0 | 638.0 | 45° | 1010.7 | 977.6 | 866.0 | 793.8 |
| 644.5 | 644.0 | 646.0 | 648.0 | 649.0 | 650.0 | 650.0 | 650.0 | 47.5° | 1047.1 | 1008.1 | 881.1 | 805.7 |
| 656.5 | 658.0 | 661.0 | 664.0 | 662.5 | 661.0 | 660.5 | 660.0 | 50° | 1095.0 | 1050.4 | 919.3 | 839.1 |
| 665.0 | 667.0 | 669.0 | 671.0 | 670.5 | 670.0 | 669.0 | 668.0 | 52.5° | 1193.3 | 1138.0 | 987.9 | 897.4 |
| 672.5 | 672.0 | 674.5 | 677.0 | 678.5 | 680.0 | 679.0 | 678.0 | 55° | 1306.3 | 1253.9 | 1097.7 | 993.6 |
| 681.5 | 678.0 | 681.0 | 684.0 | 686.0 | 688.0 | 688.0 | 688.0 | 57.5° | 1396.8 | 1361.6 | 1195.6 | 1080.6 |
| 688.5 | 686.0 | 687.5 | 689.0 | 691.5 | 694.0 | 695.0 | 696.0 | 59° | 1430.3 | 1415.2 | 1264.9 | 1154.2 |
| 689.5 | 689.0 | 690.5 | 692.0 | 693.0 | 694.0 | 695.0 | 696.0 | 60° | 1442.7 | 1455.7 | 1301.6 | 1199.2 |
| 690.0 | 690.0 | 692.5 | 695.0 | 695.5 | 696.0 | 695.0 | 694.0 | 62.5° | 1451.3 | 1507.8 | 1420.8 | 1333.5 |
| 694.5 | 694.0 | 696.5 | 699.0 | 700.0 | 701.0 | 699.5 | 698.0 | 65° | 1433.5 | 1516.4 | 1469.0 | 1415.5 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 1356.3 | 1455.4 | 1446.3 | 1399.2 |
| | | | | | | | | 70° | 1198.3 | 1308.7 | 1340.6 | 1273.8 |
| | | | | | | | | 72.5° | 901.5 | 1038.5 | 1212.8 | 1108.1 |
| | | | | | | | | 75° | 587.3 | 714.0 | 1035.6 | 949.2 |
| | | | | | | | | 77.5° | 367.8 | 445.6 | 738.8 | 664.8 |
| | | | | | | | | 80° | 244.7 | 286.4 | 469.0 | 427.0 |
| | | | | | | | | 82.5° | 184.0 | 203.0 | 322.5 | 303.3 |
| | | | | | | | | 85° | 97.0 | 123.7 | 250.9 | 318.1 |
| | | | | | | | | 87.5° | 36.4 | 40.5 | 188.8 | 284.3 |
| | | | | | | | | 90° | 7.0 | 7.0 | 8.3 | 9.0 |
| | | | | | | | | 92.5° | 6.0 | 6.0 | 6.0 | 6.0 |
| | | | | | | | | 95° | 7.0 | 7.0 | 7.0 | 7.0 |
| | | | | | | | | 97.5° | 8.0 | 8.0 | 8.5 | 9.0 |
| | | | | | | | | 100° | 19.0 | 19.0 | 21.0 | 23.0 |
| | | | | | | | | 102.5° | 38.0 | 39.0 | 40.5 | 42.0 |
| | | | | | | | | 105° | 61.0 | 61.0 | 63.0 | 65.0 |
| | | | | | | | | 107.5° | 86.0 | 87.0 | 88.5 | 90.0 |

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CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

JLG

CANDELA DISTRIBUTION (continued):

| 290° | 295° | 300° | 305° | 310° | 315° | 320° | | 270° | 275° | 280° | 285° | 290° |
|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 110° | 117.0 | 116.0 | 117.5 | 119.0 | 120.0 |
| 640.9 | 646.2 | 649.5 | 647.1 | 650.9 | 651.8 | 647.7 | 112.5° | 147.0 | 147.0 | 148.0 | 149.0 | 149.5 |
| 652.7 | 667.5 | 678.2 | 685.6 | 688.5 | 691.2 | 690.0 | 115° | 178.0 | 177.0 | 178.0 | 179.0 | 180.5 |
| 630.8 | 653.6 | 673.4 | 687.0 | 691.8 | 695.3 | 692.1 | 117.5° | 209.0 | 208.0 | 209.0 | 210.0 | 212.5 |
| 606.6 | 630.2 | 648.9 | 662.5 | 662.2 | 665.7 | 659.5 | 120° | 243.0 | 243.0 | 244.0 | 245.0 | 247.5 |
| 583.8 | 606.8 | 623.4 | 622.8 | 618.7 | 608.3 | 606.6 | 122.5° | 277.0 | 276.0 | 277.0 | 278.0 | 280.5 |
| 565.7 | 577.9 | 582.0 | 581.1 | 569.3 | 563.4 | 562.5 | 125° | 310.0 | 310.0 | 310.0 | 310.0 | 312.5 |
| 556.8 | 556.3 | 546.8 | 536.4 | 525.2 | 524.6 | 516.9 | 127.5° | 347.0 | 345.0 | 345.5 | 346.0 | 346.0 |
| 558.3 | 539.1 | 521.6 | 503.9 | 491.8 | 489.1 | 490.0 | 130° | 380.0 | 379.0 | 380.0 | 381.0 | 381.0 |
| 577.0 | 542.9 | 510.1 | 492.0 | 477.8 | 473.7 | 475.5 | 132.5° | 415.0 | 414.0 | 414.0 | 414.0 | 415.0 |
| 600.3 | 554.8 | 513.9 | 486.4 | 474.9 | 469.9 | 470.7 | 135° | 451.0 | 450.0 | 448.5 | 447.0 | 447.5 |
| 616.0 | 568.4 | 526.7 | 492.6 | 477.0 | 472.2 | 475.2 | 137.5° | 482.0 | 481.0 | 478.5 | 476.0 | 475.5 |
| 636.1 | 587.0 | 543.8 | 508.6 | 485.2 | 479.0 | 481.1 | 140° | 511.0 | 509.0 | 506.5 | 504.0 | 503.0 |
| 656.0 | 607.1 | 568.1 | 528.1 | 499.7 | 488.2 | 491.5 | 142.5° | 536.0 | 534.0 | 533.5 | 533.0 | 533.0 |
| 677.3 | 630.5 | 591.2 | 554.8 | 521.3 | 503.3 | 507.4 | 145° | 560.0 | 558.0 | 559.5 | 561.0 | 561.5 |
| 702.1 | 657.7 | 624.0 | 590.6 | 556.3 | 541.2 | 542.9 | 147.5° | 585.0 | 583.0 | 584.5 | 586.0 | 585.5 |
| 726.1 | 684.4 | 662.8 | 637.9 | 617.8 | 594.7 | 594.7 | 150° | 610.0 | 606.0 | 604.5 | 603.0 | 601.5 |
| 740.3 | 719.0 | 713.1 | 706.0 | 694.1 | 677.6 | 674.0 | 152.5° | 628.0 | 623.0 | 620.5 | 618.0 | 616.0 |
| 757.7 | 760.1 | 773.7 | 787.9 | 791.5 | 775.2 | 770.2 | 155° | 641.0 | 638.0 | 637.0 | 636.0 | 633.5 |
| 790.6 | 815.4 | 860.1 | 898.9 | 906.6 | 919.9 | 904.5 | 157.5° | 655.0 | 650.0 | 650.0 | 650.0 | 649.0 |
| 836.7 | 882.6 | 958.1 | 1021.4 | 1039.4 | 1040.6 | 1041.8 | 160° | 666.0 | 660.0 | 660.5 | 661.0 | 662.5 |
| 889.4 | 955.1 | 1054.8 | 1130.3 | 1162.5 | 1171.1 | 1164.9 | 162.5° | 674.0 | 668.0 | 669.0 | 670.0 | 670.5 |
| 979.7 | 1039.1 | 1148.3 | 1229.7 | 1271.1 | 1291.2 | 1285.9 | 165° | 682.0 | 678.0 | 679.0 | 680.0 | 678.5 |
| 1069.0 | 1143.0 | 1239.1 | 1319.3 | 1363.4 | 1385.9 | 1390.6 | 167.5° | 694.0 | 688.0 | 688.0 | 688.0 | 686.0 |
| 1130.0 | 1199.2 | 1288.0 | 1361.9 | 1405.4 | 1432.4 | 1434.7 | 170° | 701.0 | 696.0 | 695.0 | 694.0 | 691.5 |
| 1167.2 | 1230.6 | 1317.3 | 1382.3 | 1425.8 | 1448.6 | 1456.9 | 172.5° | 701.0 | 696.0 | 695.0 | 694.0 | 693.0 |
| 1280.3 | 1291.8 | 1351.0 | 1393.9 | 1424.4 | 1434.7 | 1440.9 | 175° | 699.0 | 694.0 | 695.0 | 696.0 | 695.5 |
| 1333.2 | 1285.0 | 1278.2 | 1304.8 | 1307.5 | 1300.7 | 1292.1 | 177.5° | 702.0 | 698.0 | 699.5 | 701.0 | 700.0 |
| 1259.6 | 1146.8 | 1105.1 | 1101.6 | 1090.6 | 1086.2 | 1059.0 | 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |
| 1093.9 | 931.4 | 857.8 | 817.8 | 842.1 | 841.2 | 813.4 | | | | | | |
| 921.7 | 756.3 | 660.7 | 603.3 | 596.2 | 595.0 | 570.8 | | | | | | |
| 748.6 | 593.5 | 509.8 | 482.0 | 448.6 | 438.5 | 442.6 | | | | | | |
| 539.7 | 423.7 | 405.9 | 427.2 | 429.9 | 422.2 | 416.9 | | | | | | |
| 340.0 | 318.7 | 335.8 | 374.6 | 397.4 | 387.3 | 391.2 | | | | | | |
| 283.5 | 250.9 | 252.1 | 292.9 | 308.3 | 310.7 | 302.7 | | | | | | |
| 314.5 | 251.2 | 205.9 | 200.9 | 195.6 | 123.1 | 171.3 | | | | | | |
| 283.5 | 194.4 | 114.5 | 94.4 | 58.0 | 33.4 | 34.6 | | | | | | |
| 9.0 | 9.0 | 8.0 | 7.0 | 7.0 | 7.0 | 7.5 | | | | | | |
| 6.5 | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 6.0 | | | | | | |
| 7.5 | 8.0 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 | | | | | | |
| 9.5 | 10.0 | 11.0 | 12.0 | 10.5 | 9.0 | 9.0 | | | | | | |
| 24.5 | 26.0 | 27.5 | 29.0 | 25.0 | 21.0 | 16.5 | | | | | | |
| 44.5 | 47.0 | 48.5 | 50.0 | 45.0 | 40.0 | 33.5 | | | | | | |
| 67.5 | 70.0 | 71.0 | 72.0 | 67.5 | 63.0 | 55.5 | | | | | | |
| 92.0 | 94.0 | 94.5 | 95.0 | 91.5 | 88.0 | 80.5 | | | | | | |



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CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| 295° | 300° | 305° | 310° | 315° | 320° | | 325° | 330° | 335° | 340° | 345° | 350° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 121.0 | 120.5 | 120.0 | 117.0 | 114.0 | 108.0 | 0° | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 | 580.8 |
| 150.0 | 149.0 | 148.0 | 145.5 | 143.0 | 138.5 | 2.5° | 646.8 | 641.2 | 635.0 | 626.7 | 628.2 | 618.1 |
| 182.0 | 180.5 | 179.0 | 176.5 | 174.0 | 171.0 | 5° | 680.8 | 671.1 | 657.7 | 640.9 | 625.2 | 605.1 |
| 215.0 | 213.0 | 211.0 | 208.0 | 205.0 | 203.5 | 7.5° | 677.3 | 661.6 | 639.4 | 613.9 | 593.2 | 564.2 |
| 250.0 | 248.0 | 246.0 | 244.5 | 243.0 | 240.0 | 10° | 646.8 | 626.4 | 608.3 | 582.0 | 555.1 | 529.6 |
| 283.0 | 281.0 | 279.0 | 278.0 | 277.0 | 274.0 | 12.5° | 604.2 | 592.6 | 577.0 | 557.1 | 531.1 | 505.1 |
| 315.0 | 314.0 | 313.0 | 311.5 | 310.0 | 307.5 | 15° | 557.7 | 558.6 | 549.2 | 543.8 | 530.8 | 510.1 |
| 346.0 | 345.5 | 345.0 | 342.5 | 340.0 | 339.5 | 17.5° | 519.6 | 528.4 | 533.5 | 541.8 | 543.2 | 533.2 |
| 381.0 | 379.0 | 377.0 | 374.5 | 372.0 | 371.0 | 20° | 494.1 | 506.5 | 522.2 | 545.0 | 569.0 | 579.3 |
| 416.0 | 413.5 | 411.0 | 408.0 | 405.0 | 404.5 | 22.5° | 479.9 | 495.3 | 520.5 | 561.9 | 605.7 | 632.0 |
| 448.0 | 445.5 | 443.0 | 440.0 | 437.0 | 436.0 | 25° | 477.3 | 497.7 | 532.9 | 583.5 | 640.3 | 677.3 |
| 475.0 | 474.0 | 473.0 | 470.5 | 468.0 | 466.0 | 27.5° | 481.7 | 508.3 | 550.0 | 607.7 | 663.7 | 717.2 |
| 502.0 | 501.0 | 500.0 | 498.5 | 497.0 | 494.0 | 30° | 495.9 | 527.0 | 572.5 | 634.7 | 692.7 | 745.9 |
| 533.0 | 530.0 | 527.0 | 526.0 | 525.0 | 523.0 | 32.5° | 509.5 | 548.0 | 598.3 | 658.9 | 717.2 | 770.2 |
| 562.0 | 559.0 | 556.0 | 553.5 | 551.0 | 550.5 | 35° | 531.4 | 570.2 | 621.6 | 677.6 | 734.1 | 794.1 |
| 585.0 | 582.5 | 580.0 | 577.5 | 575.0 | 574.5 | 37.5° | 564.8 | 598.9 | 640.0 | 692.1 | 750.9 | 813.1 |
| 600.0 | 598.5 | 597.0 | 595.0 | 593.0 | 593.0 | 40° | 612.5 | 635.0 | 661.6 | 702.7 | 759.2 | 825.8 |
| 614.0 | 612.5 | 611.0 | 610.5 | 610.0 | 610.0 | 42.5° | 683.8 | 688.5 | 697.7 | 719.0 | 766.6 | 840.6 |
| 631.0 | 628.5 | 626.0 | 627.0 | 628.0 | 629.0 | 45° | 775.8 | 761.6 | 753.6 | 750.6 | 783.2 | 850.1 |
| 648.0 | 646.0 | 644.0 | 644.5 | 645.0 | 645.5 | 47.5° | 882.6 | 854.8 | 822.8 | 807.5 | 815.1 | 865.2 |
| 664.0 | 661.0 | 658.0 | 656.5 | 655.0 | 655.0 | 50° | 1021.7 | 976.4 | 913.7 | 869.3 | 865.4 | 909.5 |
| 671.0 | 669.0 | 667.0 | 665.0 | 663.0 | 662.0 | 52.5° | 1149.2 | 1090.0 | 1011.0 | 958.6 | 937.3 | 992.4 |
| 677.0 | 674.5 | 672.0 | 672.5 | 673.0 | 673.0 | 55° | 1269.6 | 1224.1 | 1134.7 | 1069.6 | 1062.2 | 1102.1 |
| 684.0 | 681.0 | 678.0 | 681.5 | 685.0 | 686.5 | 57.5° | 1375.2 | 1335.9 | 1262.8 | 1177.9 | 1180.9 | 1219.6 |
| 689.0 | 687.5 | 686.0 | 688.5 | 691.0 | 692.0 | 59° | 1430.0 | 1397.1 | 1329.4 | 1243.0 | 1249.5 | 1302.8 |
| 692.0 | 690.5 | 689.0 | 689.5 | 690.0 | 690.0 | 60° | 1449.5 | 1422.0 | 1357.5 | 1284.7 | 1293.0 | 1348.3 |
| 695.0 | 692.5 | 690.0 | 690.0 | 690.0 | 690.5 | 62.5° | 1448.0 | 1430.3 | 1383.5 | 1349.2 | 1391.5 | 1432.1 |
| 699.0 | 696.5 | 694.0 | 694.5 | 695.0 | 696.0 | 65° | 1309.9 | 1282.9 | 1277.6 | 1337.7 | 1419.3 | 1458.4 |
| 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 67.5° | 1041.8 | 1054.5 | 1105.1 | 1208.4 | 1345.4 | 1402.2 |
| | | | | | | 70° | 773.7 | 796.2 | 863.7 | 993.3 | 1181.4 | 1279.7 |
| | | | | | | 72.5° | 569.0 | 591.5 | 653.6 | 795.6 | 972.0 | 1059.0 |
| | | | | | | 75° | 446.5 | 453.3 | 498.0 | 609.5 | 766.0 | 837.3 |
| | | | | | | 77.5° | 412.5 | 392.0 | 373.7 | 433.5 | 516.6 | 577.9 |
| | | | | | | 80° | 384.1 | 345.3 | 302.1 | 320.1 | 340.3 | 405.4 |
| | | | | | | 82.5° | 298.2 | 272.5 | 238.8 | 261.9 | 271.3 | 273.4 |
| | | | | | | 85° | 174.6 | 155.3 | 196.8 | 278.7 | 275.8 | 241.4 |
| | | | | | | 87.5° | 61.5 | 79.9 | 89.9 | 154.4 | 186.7 | 161.6 |
| | | | | | | 90° | 8.0 | 8.9 | 10.7 | 10.5 | 11.4 | 7.5 |
| | | | | | | 92.5° | 6.0 | 6.0 | 6.0 | 5.5 | 5.0 | 4.5 |
| | | | | | | 95° | 7.0 | 7.0 | 7.0 | 6.5 | 6.0 | 5.5 |
| | | | | | | 97.5° | 9.0 | 8.5 | 8.0 | 8.0 | 8.0 | 7.5 |
| | | | | | | 100° | 12.0 | 11.0 | 10.0 | 9.5 | 9.0 | 8.5 |
| | | | | | | 102.5° | 27.0 | 22.5 | 18.0 | 15.5 | 13.0 | 12.0 |
| | | | | | | 105° | 48.0 | 42.0 | 36.0 | 31.5 | 27.0 | 24.5 |
| | | | | | | 107.5° | 73.0 | 65.5 | 58.0 | 53.5 | 49.0 | 45.5 |



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CATALOG NUMBER: IST-AF-350-LED-E1-SLR-8030-ULG

CANDELA DISTRIBUTION (continued):

| 355° | 359° | 360° | | 325° | 330° | 335° | 340° | 345° | 350° | 355° |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 580.8 | 580.8 | 580.8 | 110° | 102.0 | 94.5 | 87.0 | 80.5 | 74.0 | 71.0 | 68.0 |
| 610.1 | 601.8 | 601.2 | 112.5° | 134.0 | 127.5 | 121.0 | 113.5 | 106.0 | 102.5 | 99.0 |
| 589.1 | 570.5 | 564.5 | 115° | 168.0 | 163.5 | 159.0 | 153.0 | 147.0 | 143.0 | 139.0 |
| 539.1 | 517.5 | 513.1 | 117.5° | 202.0 | 199.5 | 197.0 | 193.0 | 189.0 | 186.5 | 184.0 |
| 497.1 | 473.1 | 469.0 | 120° | 237.0 | 235.0 | 233.0 | 229.5 | 226.0 | 224.5 | 223.0 |
| 475.5 | 452.7 | 447.7 | 122.5° | 271.0 | 269.0 | 267.0 | 264.0 | 261.0 | 260.5 | 260.0 |
| 483.8 | 458.6 | 455.9 | 125° | 305.0 | 302.0 | 299.0 | 297.5 | 296.0 | 295.0 | 294.0 |
| 514.8 | 488.2 | 489.4 | 127.5° | 339.0 | 336.0 | 333.0 | 331.0 | 329.0 | 329.0 | 329.0 |
| 568.1 | 550.9 | 546.8 | 130° | 370.0 | 368.0 | 366.0 | 364.0 | 362.0 | 361.5 | 361.0 |
| 637.9 | 619.3 | 613.9 | 132.5° | 404.0 | 402.5 | 401.0 | 397.0 | 393.0 | 393.5 | 394.0 |
| 697.4 | 687.9 | 684.4 | 135° | 435.0 | 433.5 | 432.0 | 429.0 | 426.0 | 426.0 | 426.0 |
| 740.3 | 744.7 | 741.2 | 137.5° | 464.0 | 462.0 | 460.0 | 459.5 | 459.0 | 458.0 | 457.0 |
| 774.6 | 789.4 | 787.6 | 140° | 491.0 | 490.0 | 489.0 | 488.0 | 487.0 | 486.0 | 485.0 |
| 809.8 | 838.5 | 839.7 | 142.5° | 521.0 | 519.5 | 518.0 | 517.5 | 517.0 | 516.0 | 515.0 |
| 835.9 | 886.5 | 896.8 | 145° | 550.0 | 548.5 | 547.0 | 545.5 | 544.0 | 545.0 | 546.0 |
| 869.3 | 937.0 | 947.7 | 147.5° | 574.0 | 574.0 | 574.0 | 572.5 | 571.0 | 571.5 | 572.0 |
| 894.7 | 974.3 | 987.3 | 150° | 593.0 | 593.0 | 593.0 | 593.0 | 593.0 | 592.5 | 592.0 |
| 919.6 | 1005.1 | 1019.3 | 152.5° | 610.0 | 609.5 | 609.0 | 608.5 | 608.0 | 608.0 | 608.0 |
| 940.0 | 1035.6 | 1050.1 | 155° | 630.0 | 628.5 | 627.0 | 626.0 | 625.0 | 625.0 | 625.0 |
| 963.1 | 1065.2 | 1079.4 | 157.5° | 646.0 | 645.0 | 644.0 | 643.5 | 643.0 | 643.0 | 643.0 |
| 1004.5 | 1111.6 | 1128.5 | 160° | 655.0 | 655.5 | 656.0 | 657.5 | 659.0 | 659.5 | 660.0 |
| 1093.6 | 1197.7 | 1221.7 | 162.5° | 661.0 | 663.0 | 665.0 | 667.0 | 669.0 | 669.0 | 669.0 |
| 1222.3 | 1316.7 | 1335.6 | 165° | 673.0 | 674.5 | 676.0 | 676.0 | 676.0 | 677.0 | 678.0 |
| 1338.3 | 1397.4 | 1402.5 | 167.5° | 688.0 | 687.0 | 686.0 | 685.0 | 684.0 | 685.5 | 687.0 |
| 1385.9 | 1419.6 | 1418.1 | 170° | 693.0 | 692.5 | 692.0 | 692.0 | 692.0 | 693.5 | 695.0 |
| 1420.8 | 1425.0 | 1416.7 | 172.5° | 690.0 | 691.5 | 693.0 | 694.0 | 695.0 | 696.0 | 697.0 |
| 1439.7 | 1400.4 | 1386.2 | 175° | 691.0 | 693.0 | 695.0 | 696.0 | 697.0 | 697.5 | 698.0 |
| 1390.3 | 1335.6 | 1317.0 | 177.5° | 697.0 | 698.0 | 699.0 | 699.5 | 700.0 | 702.5 | 705.0 |
| 1247.7 | 1218.7 | 1197.4 | 180° | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 | 700.0 |
| 1061.3 | 987.9 | 974.0 | | | | | | | | |
| 804.5 | 707.7 | 687.0 | | | | | | | | |
| 562.2 | 446.2 | 418.1 | | | | | | | | |
| 369.6 | 286.4 | 275.8 | | | | | | | | |
| 239.7 | 190.3 | 187.0 | | | | | | | | |
| 167.2 | 124.9 | 115.1 | | | | | | | | |
| 102.7 | 41.7 | 39.9 | | | | | | | | |
| 32.0 | 19.2 | 17.2 | | | | | | | | |
| 5.9 | 6.2 | 6.2 | | | | | | | | |
| 4.0 | 4.0 | 4.0 | | | | | | | | |
| 5.0 | 5.0 | 5.0 | | | | | | | | |
| 7.0 | 7.0 | 7.0 | | | | | | | | |
| 8.0 | 8.0 | 8.0 | | | | | | | | |
| 11.0 | 11.0 | 11.0 | | | | | | | | |
| 22.0 | 21.2 | 21.0 | | | | | | | | |
| 42.0 | 41.2 | 41.0 | | | | | | | | |



| 359° | 360° |
|-------|-------|
| 66.4 | 66.0 |
| 99.0 | 99.0 |
| 139.8 | 140.0 |
| 184.0 | 184.0 |
| 224.6 | 225.0 |
| 262.4 | 263.0 |
| 297.2 | 298.0 |
| 329.8 | 330.0 |
| 362.6 | 363.0 |
| 395.6 | 396.0 |
| 428.4 | 429.0 |
| 459.4 | 460.0 |
| 487.4 | 488.0 |
| 517.4 | 518.0 |
| 549.2 | 550.0 |
| 574.4 | 575.0 |
| 594.4 | 595.0 |
| 610.4 | 611.0 |
| 628.2 | 629.0 |
| 645.4 | 646.0 |
| 662.4 | 663.0 |
| 672.2 | 673.0 |
| 680.4 | 681.0 |
| 689.4 | 690.0 |
| 697.4 | 698.0 |
| 698.6 | 699.0 |
| 699.6 | 700.0 |
| 706.6 | 707.0 |
| 700.0 | 700.0 |

(END OF REPORT)