

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: P228230

Luminaire Tested: **ISS-AF-350-LED-E1-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29762)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-350-LED-E1-SL3
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III W/SPILL CONTROL
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2271 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

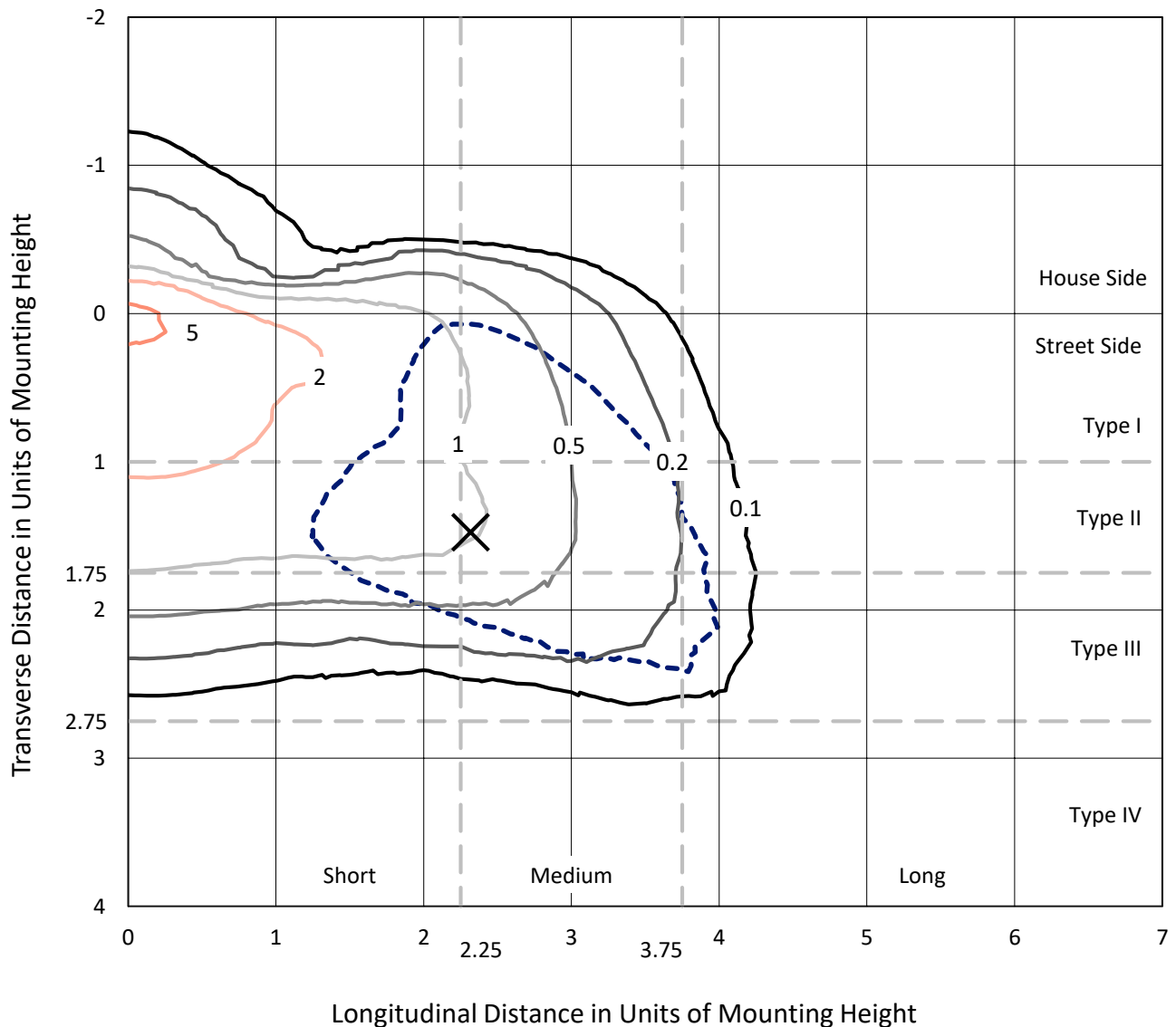
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

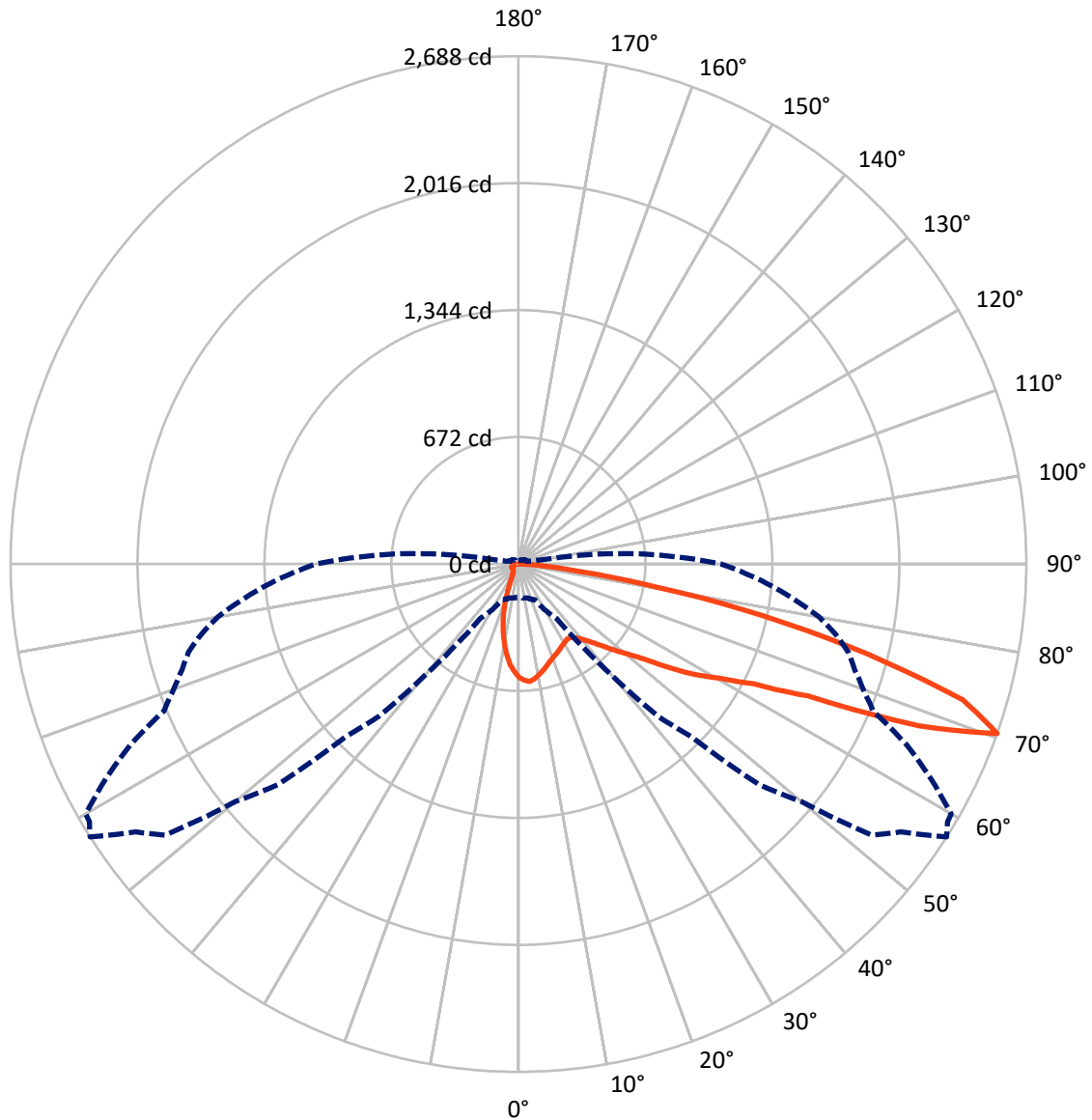
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 281.0 | 0.0 | 281.0 |
| | % Fixture | 12.4 | 0.0 | 12.4 |
| Street Side | Lumens | 1989.9 | 0.0 | 1989.9 |
| | % Fixture | 87.6 | 0.0 | 87.6 |
| Total | Lumens | 2271.0 | 0.0 | 2271.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.9 | 2.3 |
| 10°-20° | 112.7 | 5.0 |
| 20°-30° | 141.6 | 6.2 |
| 30°-40° | 185.1 | 8.1 |
| 40°-50° | 277.7 | 12.2 |
| 50°-60° | 438.9 | 19.3 |
| 60°-70° | 632.7 | 27.9 |
| 70°-80° | 391.6 | 17.2 |
| 80°-90° | 38.8 | 1.7 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 2271.0 | 100.0 |
| 0°-180° | 2271.0 | 100.0 |



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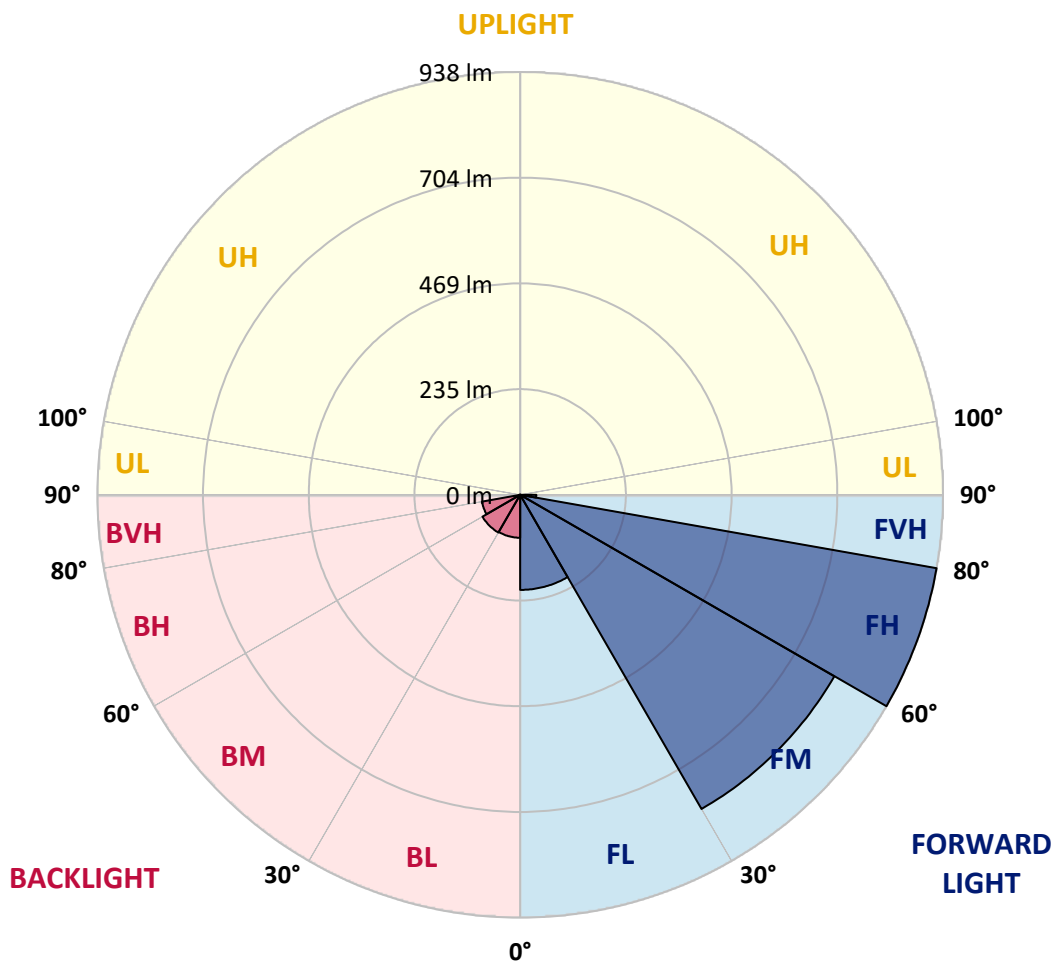
CATALOG NUMBER: ISS-AF-350-LED-E1-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 210.9 | 9.3 | | | |
| FM | (30°-60°) | 805.0 | 35.4 | | | |
| FH | (60°-80°) | 938.3 | 41.3 | | | G1/1800 |
| FVH | (80°-90°) | 35.7 | 1.6 | | | G1/100 |
| BL | (0°-30°) | 95.3 | 4.2 | B0/110 | | |
| BM | (30°-60°) | 96.6 | 4.3 | B0/220 | | |
| BH | (60°-80°) | 86.0 | 3.8 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 3.1 | 0.1 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Medium





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CATALOG NUMBER: ISS-AF-350-LED-E1-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 |
| 2.5° | 630.9 | 630.1 | 628.5 | 625.2 | 623.7 | 625.2 | 623.7 | 621.2 | 618.0 | 620.4 | 618.8 |
| 5° | 629.3 | 630.9 | 627.7 | 625.2 | 629.3 | 630.9 | 627.7 | 627.7 | 624.4 | 627.7 | 626.0 |
| 7.5° | 597.8 | 598.6 | 599.4 | 598.6 | 609.2 | 609.2 | 607.5 | 609.2 | 610.0 | 611.5 | 612.3 |
| 10° | 558.4 | 559.1 | 560.8 | 563.2 | 576.1 | 577.8 | 578.5 | 580.1 | 582.6 | 584.2 | 589.0 |
| 12.5° | 518.9 | 520.5 | 523.8 | 531.8 | 545.4 | 547.1 | 549.5 | 551.9 | 556.0 | 558.4 | 567.2 |
| 15° | 485.9 | 486.6 | 489.9 | 498.8 | 518.9 | 522.9 | 524.6 | 527.7 | 535.8 | 535.8 | 545.4 |
| 17.5° | 455.2 | 456.8 | 459.3 | 469.7 | 489.9 | 496.3 | 501.1 | 502.8 | 513.2 | 515.7 | 526.9 |
| 20° | 431.9 | 432.7 | 433.5 | 443.1 | 461.7 | 471.4 | 475.4 | 481.8 | 489.9 | 496.3 | 506.1 |
| 22.5° | 419.0 | 419.8 | 418.2 | 422.2 | 438.3 | 450.4 | 455.2 | 461.7 | 464.9 | 476.2 | 481.8 |
| 25° | 419.8 | 420.6 | 416.5 | 414.2 | 422.2 | 435.1 | 439.2 | 445.6 | 444.0 | 460.1 | 460.1 |
| 27.5° | 427.8 | 429.4 | 425.4 | 418.2 | 419.0 | 429.4 | 431.9 | 434.3 | 429.4 | 445.6 | 442.3 |
| 30° | 444.0 | 445.6 | 440.8 | 435.1 | 426.3 | 432.7 | 432.7 | 432.7 | 423.8 | 437.5 | 431.9 |
| 32.5° | 460.8 | 462.5 | 460.8 | 456.8 | 445.6 | 447.2 | 444.0 | 442.3 | 430.3 | 441.5 | 432.7 |
| 35° | 485.9 | 486.6 | 487.4 | 487.4 | 471.4 | 474.5 | 465.7 | 460.8 | 449.6 | 458.5 | 446.4 |
| 37.5° | 515.7 | 515.7 | 521.3 | 523.8 | 506.1 | 506.1 | 496.3 | 489.9 | 479.5 | 482.6 | 470.6 |
| 40° | 542.3 | 544.7 | 557.6 | 564.9 | 548.7 | 542.3 | 534.2 | 528.6 | 520.5 | 520.5 | 508.4 |
| 42.5° | 572.9 | 577.8 | 593.0 | 606.7 | 597.8 | 588.2 | 580.1 | 574.5 | 570.5 | 569.7 | 556.8 |
| 45° | 610.7 | 616.4 | 633.3 | 646.2 | 648.7 | 641.4 | 634.9 | 629.3 | 626.0 | 624.4 | 613.2 |
| 47.5° | 653.5 | 659.1 | 674.4 | 689.7 | 701.0 | 699.4 | 692.1 | 686.5 | 689.0 | 687.3 | 680.1 |
| 50° | 701.0 | 704.2 | 713.9 | 731.6 | 757.4 | 763.0 | 761.4 | 757.4 | 762.2 | 762.2 | 755.8 |
| 52.5° | 738.9 | 741.2 | 748.5 | 769.5 | 812.2 | 825.1 | 835.5 | 843.6 | 851.7 | 856.5 | 852.4 |
| 55° | 773.6 | 773.6 | 774.3 | 800.9 | 864.6 | 885.5 | 908.9 | 925.8 | 936.3 | 955.6 | 963.6 |
| 57.5° | 829.9 | 825.9 | 825.1 | 853.2 | 927.4 | 949.2 | 983.0 | 1007.2 | 1021.7 | 1061.2 | 1060.4 |
| 60° | 813.8 | 815.4 | 844.4 | 927.4 | 1056.3 | 1075.6 | 1106.3 | 1132.1 | 1159.4 | 1188.5 | 1190.9 |
| 62.5° | 701.8 | 705.8 | 749.3 | 873.4 | 1138.5 | 1239.2 | 1333.5 | 1405.2 | 1445.5 | 1471.3 | 1435.8 |
| 65° | 491.5 | 501.1 | 560.0 | 711.5 | 1048.2 | 1203.8 | 1352.9 | 1518.8 | 1646.1 | 1843.6 | 1900.7 |
| 67.5° | 244.9 | 252.2 | 261.9 | 373.1 | 783.2 | 1001.6 | 1207.0 | 1433.5 | 1602.7 | 1892.7 | 2054.6 |
| 70° | 175.6 | 178.9 | 186.2 | 209.5 | 350.5 | 524.6 | 766.3 | 1090.2 | 1289.2 | 1726.7 | 1955.6 |
| 72.5° | 136.2 | 139.4 | 149.0 | 182.1 | 232.0 | 256.2 | 304.5 | 498.0 | 740.5 | 1192.5 | 1501.9 |
| 75° | 105.6 | 110.4 | 124.1 | 164.4 | 223.2 | 236.9 | 239.3 | 257.1 | 293.3 | 529.4 | 842.0 |
| 77.5° | 74.2 | 75.0 | 88.6 | 141.8 | 216.8 | 243.4 | 239.3 | 239.3 | 244.2 | 270.0 | 360.2 |
| 80° | 49.1 | 49.9 | 58.8 | 98.3 | 190.2 | 221.6 | 244.9 | 233.6 | 234.5 | 238.4 | 244.9 |
| 82.5° | 25.8 | 27.4 | 34.7 | 59.6 | 111.2 | 149.9 | 203.9 | 212.7 | 209.5 | 213.5 | 212.0 |
| 85° | 7.3 | 7.3 | 12.1 | 22.6 | 54.8 | 58.0 | 90.2 | 123.3 | 125.7 | 142.6 | 152.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 3.3 | 7.3 | 8.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 59° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 |
| 2.5° | 620.4 | 617.1 | 616.4 | 614.8 | 615.6 | 613.2 | 612.3 | 609.2 | 609.2 | 607.5 | 605.9 |
| 5° | 624.4 | 621.2 | 624.4 | 618.8 | 619.6 | 617.1 | 613.2 | 613.2 | 610.0 | 607.5 | 602.7 |
| 7.5° | 613.2 | 613.2 | 614.0 | 610.7 | 611.5 | 610.7 | 605.9 | 605.1 | 600.3 | 600.3 | 594.6 |
| 10° | 592.2 | 592.2 | 595.5 | 593.0 | 593.8 | 593.0 | 590.7 | 589.8 | 588.2 | 588.2 | 579.3 |
| 12.5° | 568.0 | 572.9 | 577.8 | 575.3 | 575.3 | 576.9 | 576.9 | 577.8 | 576.9 | 576.1 | 568.9 |
| 15° | 547.9 | 555.2 | 560.0 | 559.1 | 560.0 | 564.1 | 565.6 | 566.4 | 568.9 | 568.0 | 561.6 |
| 17.5° | 529.4 | 537.5 | 541.4 | 544.7 | 547.1 | 550.3 | 555.2 | 557.6 | 560.8 | 560.0 | 553.5 |
| 20° | 512.5 | 519.7 | 526.9 | 531.0 | 531.8 | 538.3 | 543.9 | 551.2 | 552.7 | 554.3 | 546.3 |
| 22.5° | 494.7 | 501.1 | 515.7 | 513.2 | 518.9 | 531.0 | 534.2 | 544.7 | 544.7 | 550.3 | 539.0 |
| 25° | 479.5 | 480.2 | 502.8 | 498.8 | 503.6 | 525.4 | 527.7 | 546.3 | 541.4 | 549.5 | 536.6 |
| 27.5° | 464.1 | 463.3 | 490.7 | 485.9 | 491.5 | 521.3 | 522.9 | 548.7 | 543.9 | 553.5 | 536.6 |
| 30° | 452.9 | 450.4 | 481.8 | 472.2 | 480.2 | 517.3 | 518.1 | 551.2 | 547.1 | 560.0 | 542.3 |
| 32.5° | 450.4 | 446.4 | 473.7 | 466.6 | 474.5 | 513.2 | 518.1 | 560.0 | 555.2 | 571.3 | 548.7 |
| 35° | 460.8 | 454.4 | 477.8 | 471.4 | 477.8 | 514.9 | 522.1 | 573.7 | 568.0 | 586.6 | 564.1 |
| 37.5° | 480.2 | 475.4 | 494.7 | 488.3 | 493.1 | 526.1 | 532.5 | 591.4 | 590.7 | 613.2 | 587.4 |
| 40° | 514.0 | 509.2 | 524.6 | 515.7 | 519.7 | 550.3 | 553.5 | 616.4 | 618.8 | 646.2 | 620.4 |
| 42.5° | 560.0 | 551.9 | 564.1 | 553.5 | 559.1 | 586.6 | 583.4 | 647.0 | 654.3 | 692.1 | 662.4 |
| 45° | 618.8 | 608.3 | 615.6 | 604.3 | 608.3 | 631.7 | 622.9 | 688.1 | 695.4 | 742.0 | 715.5 |
| 47.5° | 683.2 | 670.3 | 679.2 | 664.7 | 667.2 | 692.1 | 676.0 | 737.2 | 748.5 | 807.3 | 781.5 |
| 50° | 760.7 | 743.7 | 747.0 | 733.3 | 734.8 | 759.8 | 742.0 | 797.7 | 811.4 | 876.7 | 854.1 |
| 52.5° | 859.7 | 835.5 | 835.5 | 817.0 | 817.8 | 842.8 | 821.0 | 869.4 | 884.8 | 950.7 | 935.5 |
| 55° | 990.2 | 970.9 | 966.9 | 947.6 | 941.1 | 945.9 | 915.3 | 949.2 | 966.1 | 1028.2 | 1016.0 |
| 57.5° | 1094.1 | 1091.8 | 1103.9 | 1076.5 | 1070.0 | 1071.6 | 1033.0 | 1035.3 | 1054.8 | 1103.0 | 1107.0 |
| 60° | 1220.7 | 1224.7 | 1226.3 | 1203.8 | 1201.4 | 1178.8 | 1139.4 | 1132.9 | 1157.1 | 1190.1 | 1203.0 |
| 62.5° | 1422.1 | 1418.1 | 1398.0 | 1381.1 | 1365.7 | 1305.3 | 1283.5 | 1248.1 | 1282.0 | 1300.5 | 1327.1 |
| 65° | 1854.8 | 1812.9 | 1684.0 | 1695.2 | 1655.0 | 1523.7 | 1505.2 | 1433.5 | 1486.6 | 1487.4 | 1537.4 |
| 67.5° | 2283.4 | 2365.7 | 2286.7 | 2288.3 | 2197.3 | 1959.6 | 1902.4 | 1759.8 | 1789.6 | 1754.9 | 1780.7 |
| 70° | 2356.8 | 2472.0 | 2687.9 | 2649.2 | 2644.4 | 2461.5 | 2269.0 | 2031.3 | 1941.9 | 1867.7 | 1808.1 |
| 72.5° | 2028.0 | 2143.3 | 2459.9 | 2372.1 | 2405.2 | 2460.7 | 2260.1 | 2082.0 | 1882.2 | 1787.9 | 1659.0 |
| 75° | 1427.0 | 1592.9 | 1914.5 | 1868.5 | 1892.7 | 1984.5 | 1812.2 | 1791.2 | 1559.9 | 1497.1 | 1298.8 |
| 77.5° | 764.7 | 970.1 | 1330.2 | 1273.9 | 1284.3 | 1336.7 | 1157.1 | 1120.0 | 896.8 | 834.7 | 610.0 |
| 80° | 344.0 | 477.0 | 747.0 | 684.0 | 665.5 | 635.8 | 468.1 | 369.0 | 225.6 | 149.9 | 103.9 |
| 82.5° | 228.0 | 236.9 | 331.1 | 286.8 | 268.3 | 221.6 | 143.4 | 84.6 | 66.9 | 56.4 | 54.0 |
| 85° | 153.1 | 140.2 | 139.4 | 123.3 | 114.4 | 90.2 | 66.9 | 41.9 | 34.7 | 29.1 | 26.6 |
| 87.5° | 8.9 | 5.6 | 8.1 | 8.9 | 6.4 | 5.6 | 4.0 | 0.0 | 0.8 | 0.0 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 85° | 90° | 95° | 100° | 102.5° | 105° | 107.5° | 110° | 112.5° |
|-------|--------|--------|--------|--------|-------|-------|--------|-------|--------|-------|--------|
| 0° | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 |
| 2.5° | 601.9 | 601.9 | 601.1 | 595.5 | 592.2 | 590.7 | 584.9 | 584.2 | 581.8 | 580.9 | 580.9 |
| 5° | 601.1 | 597.8 | 593.8 | 585.7 | 577.8 | 570.5 | 568.0 | 562.4 | 558.4 | 553.5 | 553.5 |
| 7.5° | 589.8 | 586.6 | 577.8 | 565.6 | 555.2 | 544.7 | 539.0 | 531.0 | 524.6 | 518.1 | 516.5 |
| 10° | 576.9 | 572.0 | 560.0 | 543.9 | 530.2 | 511.7 | 504.4 | 493.9 | 486.6 | 477.0 | 467.3 |
| 12.5° | 563.2 | 560.0 | 545.4 | 526.9 | 506.1 | 482.6 | 471.4 | 456.8 | 447.2 | 435.9 | 421.4 |
| 15° | 557.6 | 551.2 | 532.5 | 509.2 | 483.4 | 455.2 | 439.2 | 423.8 | 409.3 | 396.4 | 377.1 |
| 17.5° | 550.3 | 542.3 | 521.3 | 493.9 | 461.7 | 427.8 | 406.9 | 389.9 | 370.6 | 356.9 | 335.2 |
| 20° | 542.3 | 530.2 | 507.6 | 474.5 | 438.3 | 398.0 | 371.4 | 354.6 | 328.8 | 315.1 | 289.3 |
| 22.5° | 535.8 | 520.5 | 493.1 | 456.0 | 412.6 | 367.4 | 336.0 | 316.7 | 287.7 | 271.5 | 239.3 |
| 25° | 534.2 | 515.7 | 482.6 | 440.8 | 390.8 | 337.6 | 299.7 | 280.4 | 244.2 | 225.6 | 187.7 |
| 27.5° | 535.0 | 513.2 | 476.2 | 427.8 | 371.4 | 311.0 | 265.9 | 243.4 | 197.4 | 178.1 | 134.5 |
| 30° | 535.8 | 514.0 | 469.7 | 416.5 | 353.7 | 283.7 | 230.5 | 203.9 | 149.0 | 132.2 | 93.5 |
| 32.5° | 543.9 | 517.3 | 468.1 | 407.7 | 337.6 | 256.2 | 190.2 | 166.0 | 105.6 | 95.9 | 69.3 |
| 35° | 553.5 | 527.7 | 471.4 | 406.1 | 325.5 | 228.8 | 149.0 | 124.1 | 75.7 | 73.3 | 56.4 |
| 37.5° | 573.7 | 543.9 | 484.3 | 410.1 | 318.2 | 200.6 | 111.2 | 95.0 | 59.6 | 61.3 | 49.1 |
| 40° | 604.3 | 571.3 | 505.2 | 422.2 | 317.4 | 172.5 | 82.1 | 74.2 | 51.6 | 53.2 | 45.1 |
| 42.5° | 645.4 | 609.2 | 537.5 | 448.0 | 321.5 | 145.9 | 66.1 | 63.6 | 47.6 | 49.1 | 43.5 |
| 45° | 699.4 | 662.4 | 582.6 | 481.0 | 332.8 | 124.1 | 58.0 | 58.0 | 45.9 | 47.6 | 42.7 |
| 47.5° | 767.8 | 726.8 | 638.1 | 525.4 | 350.5 | 112.0 | 54.8 | 55.5 | 45.1 | 47.6 | 42.7 |
| 50° | 845.3 | 800.0 | 709.0 | 582.6 | 377.9 | 108.7 | 55.5 | 55.5 | 45.9 | 47.6 | 42.7 |
| 52.5° | 925.8 | 883.9 | 785.6 | 647.8 | 415.7 | 116.0 | 57.2 | 56.4 | 45.9 | 47.6 | 41.9 |
| 55° | 1008.0 | 970.1 | 870.2 | 724.4 | 468.1 | 141.8 | 61.3 | 58.8 | 45.9 | 47.6 | 42.7 |
| 57.5° | 1090.2 | 1063.6 | 958.8 | 806.6 | 533.4 | 188.5 | 77.3 | 68.5 | 50.7 | 51.6 | 43.5 |
| 60° | 1182.8 | 1163.5 | 1058.8 | 914.5 | 626.0 | 261.1 | 113.6 | 86.2 | 60.5 | 57.2 | 46.7 |
| 62.5° | 1302.9 | 1298.0 | 1215.1 | 1070.0 | 775.1 | 365.8 | 161.1 | 104.8 | 65.3 | 59.6 | 49.9 |
| 65° | 1514.8 | 1527.7 | 1448.7 | 1252.1 | 874.2 | 368.3 | 157.1 | 91.9 | 61.3 | 56.4 | 49.1 |
| 67.5° | 1727.5 | 1689.6 | 1486.6 | 1224.7 | 788.8 | 244.9 | 99.9 | 71.7 | 54.0 | 52.4 | 45.9 |
| 70° | 1719.5 | 1616.4 | 1348.0 | 1070.8 | 622.9 | 133.0 | 72.5 | 59.6 | 48.4 | 48.4 | 43.5 |
| 72.5° | 1542.2 | 1389.1 | 1102.2 | 847.6 | 415.7 | 84.6 | 61.3 | 52.4 | 44.3 | 43.5 | 40.3 |
| 75° | 1161.0 | 980.6 | 708.3 | 488.3 | 185.4 | 54.8 | 46.7 | 42.7 | 38.7 | 38.7 | 35.5 |
| 77.5° | 546.3 | 307.8 | 170.8 | 113.6 | 62.1 | 37.0 | 32.2 | 32.2 | 31.4 | 32.2 | 29.1 |
| 80° | 74.2 | 66.9 | 57.2 | 49.9 | 37.8 | 25.8 | 23.3 | 24.1 | 23.3 | 24.1 | 21.8 |
| 82.5° | 45.1 | 40.3 | 33.0 | 31.4 | 23.3 | 17.7 | 16.9 | 17.7 | 16.2 | 16.9 | 12.9 |
| 85° | 21.8 | 19.3 | 15.3 | 14.5 | 12.1 | 10.4 | 8.9 | 10.4 | 8.1 | 8.9 | 5.6 |
| 87.5° | 0.0 | 1.6 | 0.8 | 1.6 | 1.6 | 1.6 | 0.0 | 1.6 | 0.0 | 1.6 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: ISS-AF-350-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

| | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° | 155° | 165° |
|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 | 601.1 |
| 2.5° | 576.9 | 574.5 | 573.7 | 570.5 | 569.7 | 566.4 | 565.6 | 562.4 | 556.8 | 554.3 | 550.3 |
| 5° | 546.3 | 542.3 | 539.0 | 537.5 | 531.0 | 527.7 | 522.9 | 516.5 | 504.4 | 498.8 | 489.1 |
| 7.5° | 503.6 | 502.8 | 493.1 | 489.9 | 481.8 | 476.2 | 468.9 | 458.5 | 440.8 | 430.3 | 414.9 |
| 10° | 456.8 | 453.7 | 442.3 | 435.9 | 425.4 | 417.4 | 407.7 | 392.4 | 365.0 | 343.2 | 319.9 |
| 12.5° | 413.4 | 403.7 | 390.8 | 381.2 | 368.3 | 356.9 | 345.7 | 322.3 | 278.8 | 243.4 | 211.1 |
| 15° | 368.3 | 353.7 | 340.0 | 323.9 | 310.3 | 292.5 | 279.6 | 249.0 | 191.8 | 148.2 | 128.1 |
| 17.5° | 322.3 | 302.2 | 286.8 | 265.0 | 249.8 | 225.6 | 212.0 | 174.8 | 125.7 | 106.4 | 99.9 |
| 20° | 273.9 | 247.3 | 230.5 | 203.9 | 188.5 | 157.9 | 147.4 | 120.8 | 96.7 | 89.4 | 87.9 |
| 22.5° | 222.4 | 190.2 | 171.7 | 142.6 | 132.2 | 113.6 | 105.6 | 92.7 | 81.4 | 78.2 | 79.8 |
| 25° | 168.4 | 133.8 | 121.6 | 100.8 | 96.7 | 87.1 | 83.8 | 77.3 | 71.7 | 71.7 | 74.2 |
| 27.5° | 120.1 | 93.5 | 90.2 | 77.3 | 76.5 | 71.7 | 69.3 | 66.1 | 64.4 | 66.1 | 69.3 |
| 30° | 87.9 | 70.9 | 70.9 | 63.6 | 63.6 | 60.5 | 59.6 | 58.0 | 58.0 | 61.3 | 64.4 |
| 32.5° | 69.3 | 58.0 | 59.6 | 54.0 | 54.8 | 52.4 | 53.2 | 52.4 | 53.2 | 55.5 | 58.0 |
| 35° | 58.0 | 49.9 | 52.4 | 47.6 | 49.1 | 46.7 | 48.4 | 48.4 | 49.9 | 50.7 | 51.6 |
| 37.5° | 51.6 | 45.9 | 47.6 | 44.3 | 45.9 | 43.5 | 45.9 | 45.9 | 46.7 | 46.7 | 46.7 |
| 40° | 47.6 | 42.7 | 45.1 | 41.9 | 44.3 | 41.9 | 44.3 | 44.3 | 43.5 | 42.7 | 43.5 |
| 42.5° | 45.1 | 41.9 | 44.3 | 41.1 | 43.5 | 41.1 | 42.7 | 41.9 | 40.3 | 40.3 | 40.3 |
| 45° | 44.3 | 41.1 | 42.7 | 40.3 | 41.9 | 39.5 | 41.1 | 40.3 | 37.8 | 37.0 | 38.7 |
| 47.5° | 44.3 | 40.3 | 42.7 | 39.5 | 41.1 | 38.7 | 40.3 | 37.8 | 35.5 | 35.5 | 37.8 |
| 50° | 44.3 | 40.3 | 42.7 | 39.5 | 41.1 | 37.8 | 38.7 | 36.2 | 33.0 | 33.9 | 37.0 |
| 52.5° | 45.1 | 41.9 | 43.5 | 40.3 | 41.1 | 36.2 | 37.8 | 34.7 | 32.2 | 33.0 | 35.5 |
| 55° | 45.9 | 41.9 | 43.5 | 38.7 | 39.5 | 36.2 | 36.2 | 34.7 | 32.2 | 32.2 | 34.7 |
| 57.5° | 45.9 | 41.1 | 41.9 | 37.8 | 38.7 | 34.7 | 35.5 | 33.9 | 31.4 | 30.6 | 32.2 |
| 60° | 47.6 | 42.7 | 42.7 | 37.0 | 37.8 | 33.9 | 34.7 | 33.0 | 30.6 | 29.1 | 29.8 |
| 62.5° | 49.1 | 43.5 | 44.3 | 38.7 | 38.7 | 34.7 | 35.5 | 32.2 | 29.1 | 27.4 | 28.2 |
| 65° | 49.1 | 43.5 | 44.3 | 39.5 | 39.5 | 35.5 | 35.5 | 32.2 | 27.4 | 25.8 | 25.8 |
| 67.5° | 46.7 | 42.7 | 43.5 | 39.5 | 39.5 | 35.5 | 35.5 | 31.4 | 26.6 | 24.1 | 23.3 |
| 70° | 45.1 | 41.1 | 41.9 | 37.0 | 37.8 | 33.9 | 33.9 | 29.8 | 25.0 | 22.6 | 21.0 |
| 72.5° | 41.1 | 37.8 | 37.8 | 34.7 | 33.9 | 29.8 | 29.8 | 27.4 | 23.3 | 20.2 | 18.5 |
| 75° | 35.5 | 32.2 | 31.4 | 28.2 | 28.2 | 25.8 | 25.0 | 22.6 | 19.3 | 16.9 | 16.2 |
| 77.5° | 29.1 | 25.0 | 25.0 | 21.0 | 21.0 | 18.5 | 19.3 | 16.9 | 14.5 | 13.7 | 12.9 |
| 80° | 21.0 | 16.9 | 16.9 | 13.7 | 13.7 | 11.3 | 12.1 | 11.3 | 10.4 | 10.4 | 9.7 |
| 82.5° | 12.9 | 8.9 | 9.7 | 7.3 | 8.9 | 6.4 | 7.3 | 6.4 | 6.4 | 5.6 | 5.6 |
| 85° | 6.4 | 3.3 | 4.8 | 2.5 | 4.0 | 0.8 | 2.5 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 0.8 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CATALOG NUMBER: ISS-AF-350-LED-E1-SL3

CANDELA DISTRIBUTION (continued):

| | 175° | 180° |
|-------|-------|-------|
| 0° | 601.1 | 601.1 |
| 2.5° | 546.3 | 548.7 |
| 5° | 485.9 | 486.6 |
| 7.5° | 412.6 | 410.9 |
| 10° | 315.1 | 311.0 |
| 12.5° | 203.1 | 197.4 |
| 15° | 122.4 | 120.8 |
| 17.5° | 98.3 | 98.3 |
| 20° | 87.9 | 87.9 |
| 22.5° | 81.4 | 81.4 |
| 25° | 76.5 | 77.3 |
| 27.5° | 72.5 | 72.5 |
| 30° | 67.7 | 67.7 |
| 32.5° | 59.6 | 59.6 |
| 35° | 53.2 | 52.4 |
| 37.5° | 47.6 | 48.4 |
| 40° | 43.5 | 44.3 |
| 42.5° | 41.9 | 41.9 |
| 45° | 40.3 | 40.3 |
| 47.5° | 40.3 | 40.3 |
| 50° | 39.5 | 40.3 |
| 52.5° | 38.7 | 38.7 |
| 55° | 36.2 | 37.0 |
| 57.5° | 33.9 | 34.7 |
| 60° | 31.4 | 31.4 |
| 62.5° | 28.2 | 28.2 |
| 65° | 25.8 | 25.8 |
| 67.5° | 22.6 | 22.6 |
| 70° | 20.2 | 20.2 |
| 72.5° | 17.7 | 17.7 |
| 75° | 15.3 | 15.3 |
| 77.5° | 12.9 | 12.1 |
| 80° | 9.7 | 9.7 |
| 82.5° | 5.6 | 5.6 |
| 85° | 1.6 | 1.6 |
| 87.5° | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 |

(END OF REPORT)