

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: P227454

Luminaire Tested: **ISW-AF-350-LED-E1-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISW-AF-350-LED-E1-RW-7030
Description: IMPACT ELITE LED WEDGE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2181.9 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium - Cutoff
BUG Rating: B1 - U1 - G1

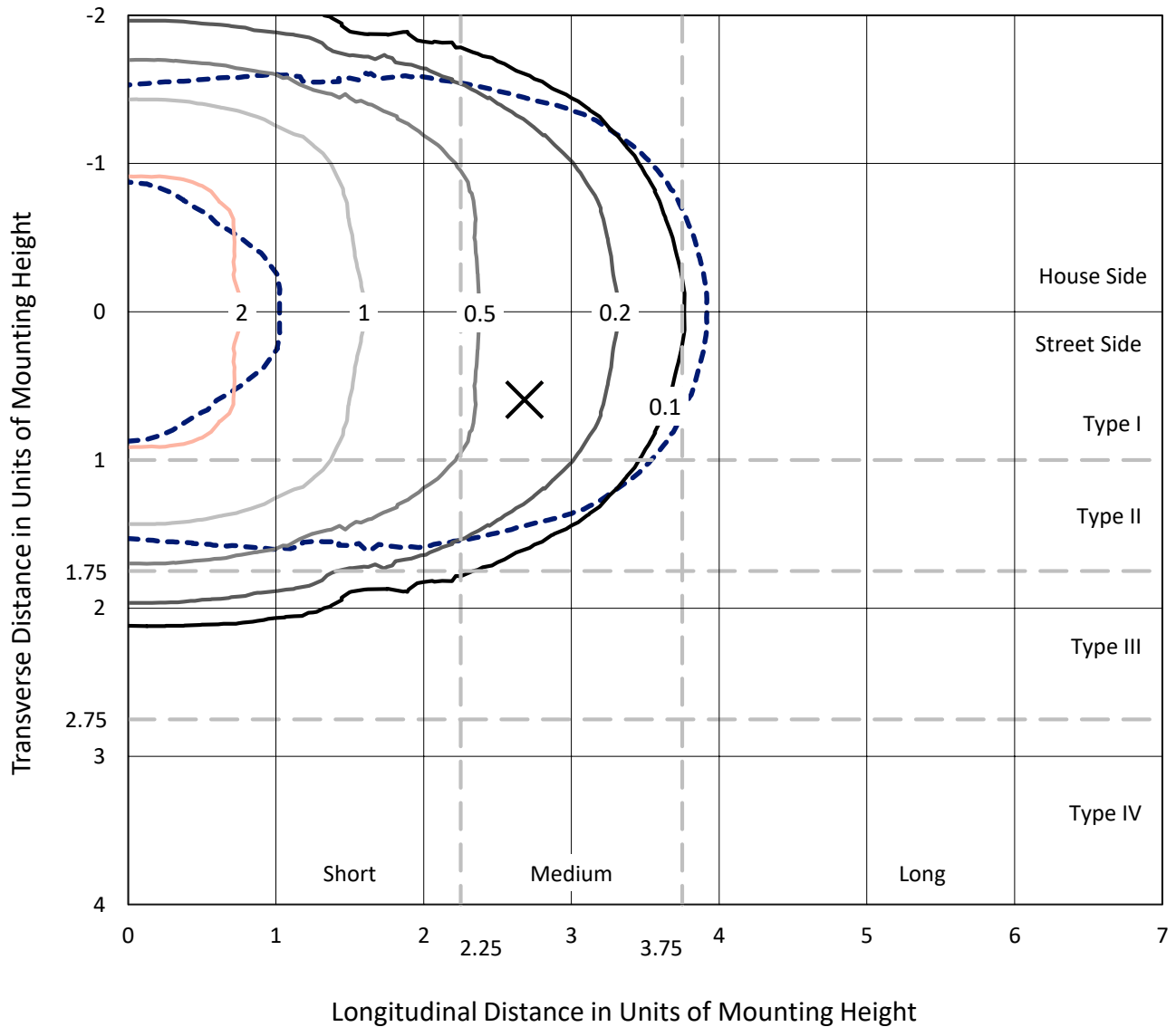
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

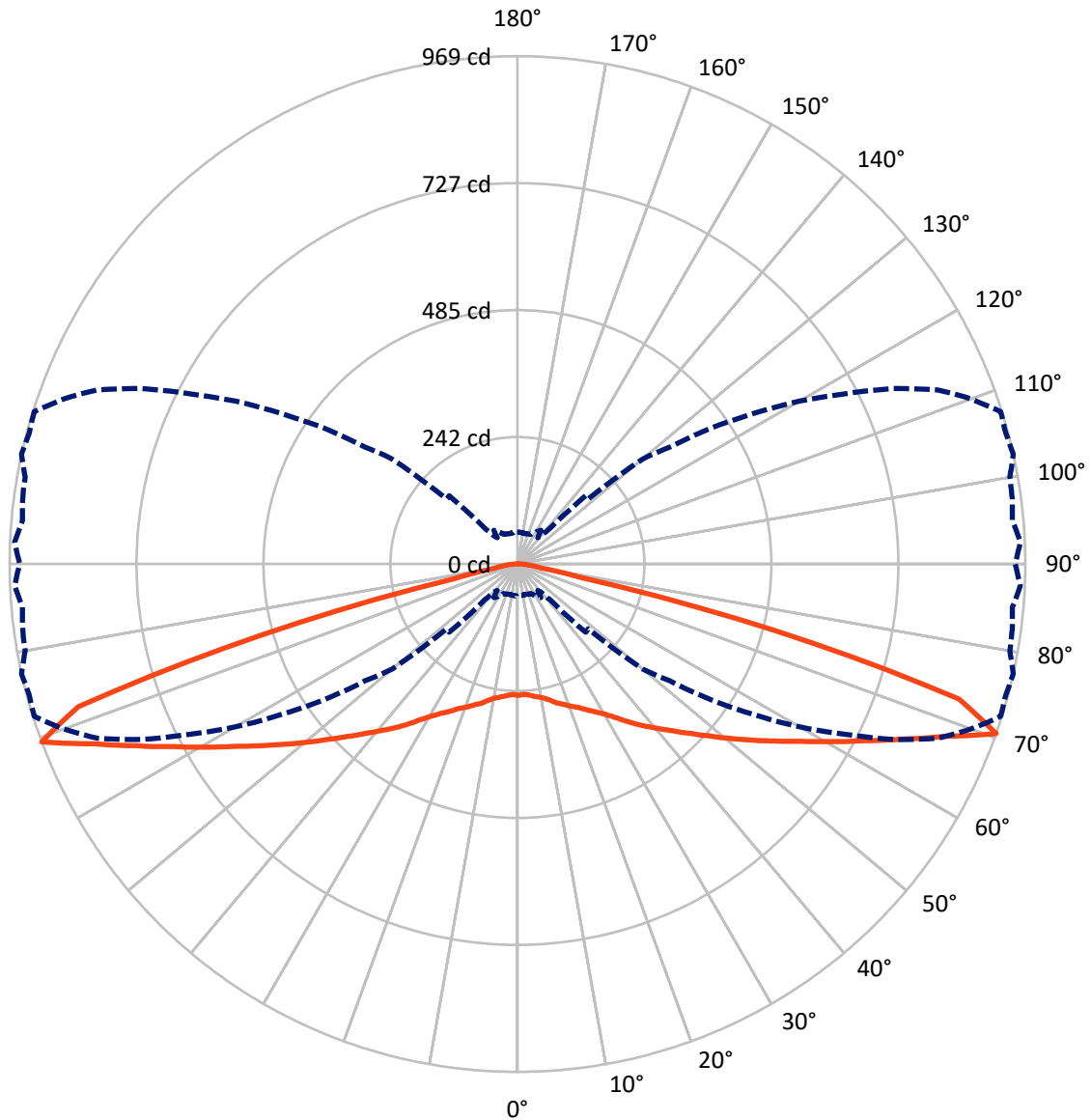
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1090.8 | 0.2 | 1090.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1090.8 | 0.2 | 1090.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 2181.5 | 0.3 | 2181.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 24.2 | 1.1 |
| 10°-20° | 75.8 | 3.5 |
| 20°-30° | 142.2 | 6.5 |
| 30°-40° | 248.5 | 11.4 |
| 40°-50° | 405.1 | 18.6 |
| 50°-60° | 554.3 | 25.4 |
| 60°-70° | 509.9 | 23.4 |
| 70°-80° | 199.3 | 9.1 |
| 80°-90° | 22.2 | 1.0 |
| 90°-100° | 0.3 | 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° | 2181.5 | 100.0 |
| 0°-180° | 2181.9 | 100.0 |



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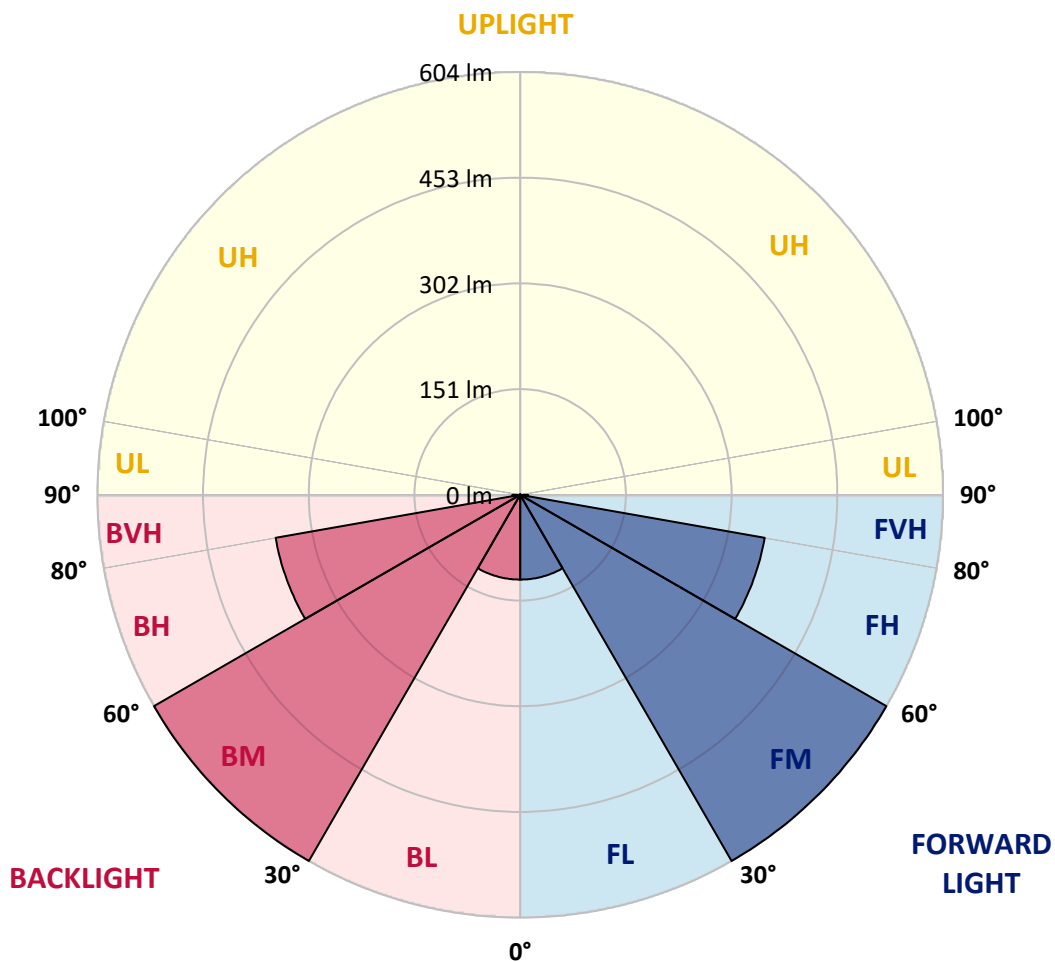
CATALOG NUMBER: ISW-AF-350-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 121.1 | 5.5 | | | |
| FM | (30°-60°) | 604.0 | 27.7 | | | |
| FH | (60°-80°) | 354.6 | 16.3 | | | G0/660 |
| FVH | (80°-90°) | 11.1 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 121.1 | 5.5 | B1/500 | | |
| BM | (30°-60°) | 604.0 | 27.7 | B1/1000 | | |
| BH | (60°-80°) | 354.6 | 16.3 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 11.1 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.3 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 0.2 | 0.0 | | U1/10 | |

BUG Rating: B1-U1-G1

Type II Medium





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CATALOG NUMBER: ISW-AF-350-LED-E1-RW-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 |
| 2.5° | 249.7 | 249.4 | 249.4 | 249.7 | 250.3 | 250.6 | 250.0 | 250.3 | 250.3 | 250.0 | 251.0 |
| 5° | 250.3 | 250.0 | 250.3 | 251.0 | 251.9 | 252.9 | 252.6 | 252.6 | 252.9 | 252.2 | 253.9 |
| 7.5° | 249.7 | 249.4 | 250.0 | 251.6 | 253.9 | 255.1 | 255.1 | 255.1 | 255.8 | 255.5 | 257.4 |
| 10° | 246.8 | 246.5 | 248.1 | 251.0 | 255.1 | 256.1 | 257.1 | 257.4 | 259.3 | 259.3 | 261.2 |
| 12.5° | 244.2 | 244.5 | 246.8 | 251.3 | 258.0 | 258.3 | 259.6 | 260.9 | 263.5 | 262.2 | 265.7 |
| 15° | 245.2 | 245.8 | 248.7 | 254.2 | 263.2 | 262.8 | 263.8 | 265.1 | 269.3 | 266.4 | 272.1 |
| 17.5° | 250.0 | 251.0 | 254.2 | 260.6 | 269.9 | 268.3 | 269.6 | 271.5 | 277.0 | 273.4 | 280.2 |
| 20° | 257.7 | 259.0 | 262.5 | 269.6 | 278.2 | 276.6 | 277.9 | 280.2 | 286.6 | 283.1 | 289.8 |
| 22.5° | 268.0 | 269.3 | 273.1 | 281.1 | 290.4 | 288.5 | 289.8 | 291.7 | 298.8 | 293.3 | 301.7 |
| 25° | 281.8 | 283.1 | 287.2 | 295.6 | 306.2 | 303.9 | 304.6 | 305.8 | 313.2 | 306.8 | 314.8 |
| 27.5° | 301.0 | 302.3 | 305.8 | 313.9 | 324.1 | 322.2 | 322.8 | 324.1 | 331.8 | 325.4 | 332.5 |
| 30° | 325.4 | 326.7 | 329.9 | 337.9 | 346.6 | 344.4 | 345.3 | 346.3 | 353.3 | 346.9 | 352.7 |
| 32.5° | 354.3 | 354.0 | 358.8 | 367.1 | 374.8 | 370.7 | 370.7 | 370.7 | 377.4 | 371.0 | 375.5 |
| 35° | 388.3 | 388.3 | 393.1 | 401.2 | 408.2 | 403.4 | 401.2 | 399.9 | 407.3 | 399.2 | 402.4 |
| 37.5° | 425.5 | 423.9 | 431.3 | 438.7 | 445.4 | 439.3 | 437.4 | 435.8 | 441.3 | 432.3 | 433.9 |
| 40° | 465.0 | 463.7 | 471.8 | 480.1 | 484.6 | 476.6 | 475.0 | 473.0 | 478.8 | 470.2 | 469.8 |
| 42.5° | 501.0 | 500.0 | 510.3 | 519.9 | 525.4 | 515.1 | 512.8 | 510.9 | 517.3 | 508.7 | 506.7 |
| 45° | 531.4 | 531.1 | 543.0 | 556.2 | 565.8 | 554.9 | 553.3 | 550.1 | 556.5 | 545.9 | 544.9 |
| 47.5° | 555.2 | 553.9 | 568.4 | 587.6 | 603.0 | 591.8 | 591.5 | 589.2 | 596.0 | 584.4 | 583.1 |
| 50° | 571.2 | 572.2 | 587.9 | 610.4 | 635.4 | 624.8 | 625.8 | 624.8 | 634.8 | 623.2 | 624.8 |
| 52.5° | 574.1 | 576.1 | 596.3 | 625.8 | 660.8 | 647.9 | 655.3 | 658.2 | 670.7 | 660.8 | 664.0 |
| 55° | 539.8 | 545.2 | 576.1 | 627.4 | 676.5 | 668.5 | 677.8 | 686.1 | 703.8 | 695.4 | 701.2 |
| 57.5° | 463.1 | 474.3 | 509.9 | 584.4 | 674.6 | 679.1 | 698.0 | 710.8 | 732.3 | 725.0 | 738.4 |
| 60° | 357.8 | 365.5 | 405.0 | 492.0 | 613.0 | 619.1 | 653.4 | 694.2 | 743.6 | 753.8 | 775.0 |
| 62.5° | 234.3 | 238.8 | 277.3 | 365.5 | 506.7 | 508.7 | 551.3 | 604.3 | 690.0 | 712.4 | 771.8 |
| 65° | 116.2 | 122.3 | 142.8 | 210.5 | 354.9 | 352.4 | 399.2 | 461.2 | 572.2 | 596.9 | 693.5 |
| 67.5° | 72.5 | 73.5 | 77.7 | 97.6 | 177.8 | 157.9 | 196.4 | 261.2 | 395.7 | 417.8 | 540.4 |
| 70° | 61.0 | 60.7 | 59.7 | 62.6 | 78.3 | 63.5 | 70.3 | 91.8 | 184.2 | 183.2 | 311.6 |
| 72.5° | 56.2 | 55.2 | 52.6 | 52.3 | 54.6 | 50.1 | 50.7 | 52.0 | 73.8 | 61.9 | 120.0 |
| 75° | 51.7 | 49.7 | 46.5 | 45.6 | 45.6 | 42.0 | 42.0 | 42.4 | 47.8 | 44.9 | 54.6 |
| 77.5° | 46.2 | 44.0 | 40.8 | 39.5 | 38.2 | 34.3 | 34.0 | 34.3 | 38.5 | 35.9 | 40.8 |
| 80° | 39.8 | 37.5 | 35.3 | 33.4 | 31.5 | 27.9 | 27.0 | 27.0 | 30.5 | 27.9 | 31.8 |
| 82.5° | 34.7 | 31.8 | 31.1 | 27.9 | 25.0 | 21.8 | 20.9 | 19.3 | 22.5 | 19.6 | 23.7 |
| 85° | 25.7 | 23.4 | 29.5 | 24.7 | 19.9 | 17.7 | 14.1 | 11.9 | 14.1 | 11.6 | 15.1 |
| 87.5° | 14.8 | 13.8 | 26.0 | 19.6 | 17.7 | 18.9 | 11.6 | 8.3 | 8.0 | 7.1 | 8.3 |
| 90° | 2.9 | 3.2 | 4.2 | 2.9 | 3.9 | 1.9 | 1.0 | 1.0 | 1.9 | 1.3 | 2.2 |
| 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 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: ISW-AF-350-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|--------|-----|-----|-----|-----|-----|-------|-----|-------|-----|-------|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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: ISW-AF-350-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 |
| 2.5° | 250.0 | 251.0 | 249.7 | 251.0 | 248.7 | 250.6 | 249.0 | 251.0 | 249.4 | 251.0 | 249.0 |
| 5° | 251.6 | 254.2 | 251.3 | 254.8 | 250.6 | 254.8 | 251.3 | 255.1 | 251.9 | 255.1 | 251.6 |
| 7.5° | 254.2 | 258.7 | 254.8 | 259.3 | 254.2 | 259.9 | 255.1 | 260.6 | 255.8 | 260.9 | 255.5 |
| 10° | 257.4 | 263.2 | 258.0 | 263.8 | 257.7 | 264.4 | 258.3 | 265.4 | 259.0 | 266.0 | 259.3 |
| 12.5° | 260.3 | 267.6 | 261.9 | 269.6 | 262.8 | 270.9 | 263.8 | 272.8 | 265.1 | 274.4 | 265.7 |
| 15° | 265.7 | 275.4 | 268.0 | 277.3 | 269.6 | 278.9 | 271.2 | 281.4 | 272.8 | 283.4 | 274.4 |
| 17.5° | 272.8 | 283.4 | 275.7 | 285.0 | 276.6 | 286.9 | 278.6 | 288.8 | 280.2 | 291.1 | 281.1 |
| 20° | 282.4 | 293.0 | 285.0 | 294.0 | 285.9 | 295.2 | 286.9 | 296.2 | 288.8 | 298.1 | 289.5 |
| 22.5° | 293.3 | 303.3 | 294.6 | 303.6 | 294.6 | 303.3 | 295.2 | 303.6 | 296.2 | 304.9 | 297.2 |
| 25° | 306.5 | 315.8 | 307.1 | 314.8 | 305.8 | 313.5 | 305.8 | 313.5 | 306.8 | 314.2 | 308.4 |
| 27.5° | 324.8 | 331.8 | 322.8 | 329.6 | 320.0 | 326.7 | 318.7 | 325.4 | 319.0 | 325.4 | 319.6 |
| 30° | 345.3 | 351.7 | 341.5 | 346.9 | 336.3 | 341.5 | 332.8 | 338.6 | 331.8 | 337.9 | 333.4 |
| 32.5° | 367.8 | 372.9 | 362.6 | 367.1 | 356.2 | 360.7 | 351.4 | 355.3 | 349.5 | 353.3 | 350.4 |
| 35° | 392.8 | 397.9 | 387.4 | 391.5 | 380.6 | 384.5 | 375.2 | 377.1 | 371.3 | 373.9 | 371.3 |
| 37.5° | 422.7 | 427.1 | 415.0 | 418.8 | 406.9 | 411.7 | 400.5 | 402.4 | 395.4 | 397.0 | 391.8 |
| 40° | 454.7 | 459.6 | 445.1 | 449.0 | 434.2 | 439.7 | 427.1 | 428.4 | 418.8 | 420.4 | 412.4 |
| 42.5° | 489.4 | 493.9 | 475.9 | 479.1 | 461.8 | 467.6 | 452.8 | 455.4 | 443.8 | 445.4 | 435.2 |
| 45° | 527.6 | 530.2 | 510.3 | 512.5 | 491.7 | 497.4 | 478.8 | 483.6 | 469.8 | 473.0 | 461.2 |
| 47.5° | 563.2 | 568.4 | 546.5 | 548.5 | 526.0 | 529.5 | 508.0 | 514.4 | 499.7 | 504.5 | 490.0 |
| 50° | 604.0 | 607.8 | 587.0 | 587.3 | 565.5 | 566.8 | 542.7 | 549.1 | 533.1 | 538.2 | 522.8 |
| 52.5° | 645.7 | 648.3 | 625.8 | 628.0 | 606.5 | 608.8 | 584.7 | 587.3 | 568.7 | 573.2 | 558.1 |
| 55° | 686.1 | 686.8 | 668.2 | 667.5 | 647.3 | 651.5 | 624.8 | 630.6 | 608.5 | 613.3 | 596.3 |
| 57.5° | 726.6 | 728.8 | 711.5 | 712.1 | 691.9 | 694.8 | 670.7 | 674.9 | 654.0 | 659.8 | 638.6 |
| 60° | 769.3 | 776.3 | 759.3 | 761.6 | 742.3 | 748.1 | 718.9 | 724.3 | 701.5 | 710.8 | 688.1 |
| 62.5° | 796.5 | 822.8 | 819.6 | 823.2 | 804.9 | 807.8 | 777.6 | 786.3 | 759.0 | 765.7 | 742.3 |
| 65° | 744.5 | 809.0 | 841.8 | 877.7 | 878.7 | 888.0 | 858.8 | 862.0 | 834.7 | 833.1 | 805.5 |
| 67.5° | 606.9 | 686.5 | 741.7 | 815.5 | 867.1 | 916.9 | 934.8 | 939.3 | 924.6 | 908.9 | 877.7 |
| 70° | 366.2 | 453.1 | 534.3 | 621.3 | 702.8 | 792.4 | 868.4 | 921.0 | 966.9 | 964.7 | 969.2 |
| 72.5° | 144.7 | 216.9 | 271.2 | 352.7 | 433.6 | 532.7 | 616.8 | 690.9 | 769.9 | 818.4 | 881.3 |
| 75° | 57.1 | 75.4 | 88.3 | 133.8 | 172.3 | 246.1 | 320.3 | 360.4 | 422.3 | 464.7 | 508.3 |
| 77.5° | 41.1 | 44.9 | 45.6 | 53.0 | 55.8 | 77.3 | 90.5 | 104.3 | 117.5 | 125.8 | 124.2 |
| 80° | 31.8 | 34.3 | 34.3 | 37.5 | 37.2 | 41.4 | 40.4 | 44.3 | 44.0 | 47.2 | 44.9 |
| 82.5° | 23.7 | 25.4 | 25.4 | 27.9 | 27.9 | 30.5 | 29.8 | 32.4 | 31.5 | 33.7 | 31.5 |
| 85° | 15.4 | 17.0 | 17.0 | 18.3 | 17.7 | 20.2 | 19.9 | 21.8 | 20.9 | 21.8 | 20.2 |
| 87.5° | 8.7 | 9.6 | 9.9 | 10.9 | 9.9 | 11.9 | 11.6 | 12.5 | 11.6 | 12.5 | 11.9 |
| 90° | 1.3 | 1.9 | 1.3 | 1.9 | 1.0 | 2.9 | 1.6 | 3.2 | 1.0 | 3.9 | 1.6 |
| 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227454

CATALOG NUMBER: ISW-AF-350-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227454

CATALOG NUMBER: ISW-AF-350-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-------|-------|-------|-------|-------|
| 0° | 250.6 | 250.6 | 250.6 | 250.6 | 250.6 |
| 2.5° | 250.6 | 250.0 | 251.3 | 249.4 | 251.0 |
| 5° | 255.1 | 252.2 | 255.8 | 252.2 | 255.5 |
| 7.5° | 261.2 | 256.4 | 261.6 | 256.4 | 261.6 |
| 10° | 267.0 | 259.0 | 267.3 | 259.6 | 267.6 |
| 12.5° | 275.7 | 266.0 | 277.0 | 266.4 | 277.0 |
| 15° | 285.3 | 274.4 | 286.6 | 274.7 | 287.2 |
| 17.5° | 293.0 | 282.4 | 294.3 | 282.4 | 294.6 |
| 20° | 299.4 | 291.1 | 301.0 | 291.1 | 302.0 |
| 22.5° | 306.8 | 300.7 | 308.7 | 300.7 | 310.7 |
| 25° | 316.4 | 312.3 | 318.7 | 312.9 | 320.0 |
| 27.5° | 327.7 | 324.8 | 329.9 | 325.7 | 331.2 |
| 30° | 340.8 | 339.9 | 342.4 | 340.5 | 343.7 |
| 32.5° | 355.6 | 357.8 | 357.8 | 357.8 | 359.1 |
| 35° | 377.1 | 379.0 | 379.0 | 379.7 | 380.0 |
| 37.5° | 397.6 | 400.8 | 400.5 | 401.5 | 401.5 |
| 40° | 419.1 | 423.3 | 423.3 | 423.3 | 423.9 |
| 42.5° | 442.9 | 447.4 | 448.0 | 446.1 | 447.4 |
| 45° | 469.5 | 471.1 | 472.7 | 471.8 | 474.0 |
| 47.5° | 498.1 | 499.7 | 501.0 | 499.7 | 503.2 |
| 50° | 531.8 | 531.4 | 535.0 | 531.4 | 536.6 |
| 52.5° | 567.1 | 570.0 | 572.2 | 568.7 | 572.2 |
| 55° | 606.9 | 605.9 | 613.3 | 608.5 | 613.3 |
| 57.5° | 650.5 | 650.5 | 657.9 | 653.4 | 658.9 |
| 60° | 702.2 | 698.0 | 708.3 | 700.9 | 708.3 |
| 62.5° | 754.5 | 747.1 | 758.7 | 752.2 | 761.9 |
| 65° | 814.8 | 804.2 | 815.1 | 806.8 | 815.5 |
| 67.5° | 875.8 | 863.6 | 867.1 | 863.0 | 867.8 |
| 70° | 954.1 | 952.5 | 948.3 | 960.5 | 949.9 |
| 72.5° | 871.3 | 889.9 | 874.8 | 904.0 | 884.1 |
| 75° | 535.3 | 569.6 | 588.6 | 618.4 | 613.6 |
| 77.5° | 126.8 | 112.6 | 124.2 | 111.4 | 125.5 |
| 80° | 46.9 | 42.7 | 44.6 | 38.8 | 43.3 |
| 82.5° | 32.1 | 27.9 | 27.0 | 21.5 | 23.1 |
| 85° | 20.5 | 16.7 | 15.4 | 12.8 | 14.1 |
| 87.5° | 12.2 | 9.3 | 8.7 | 7.4 | 7.7 |
| 90° | 3.5 | 1.3 | 2.6 | 0.6 | 2.2 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227454

CATALOG NUMBER: ISW-AF-350-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

| | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)