

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: P227713

Luminaire Tested: **ISS-AF-350-LED-E1-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29759)
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-T3-7050
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2385 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B1 - U0 - G1

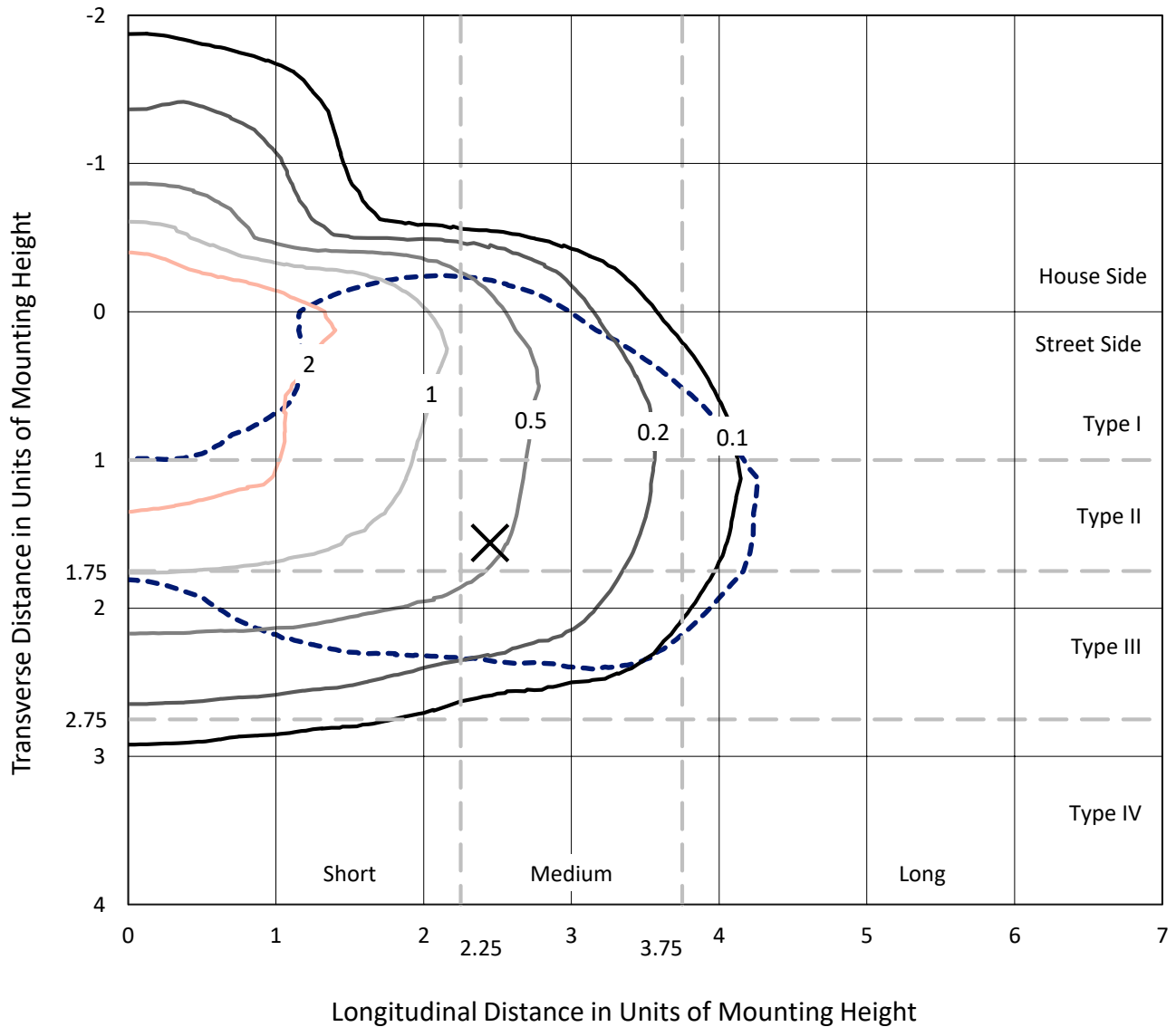
Input Watts (W): 20.09
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P227713
 CATALOG NUMBER: ISS-AF-350-LED-E1-T3-7050

Iso-Footcandle Lines of Horizontal Illumination

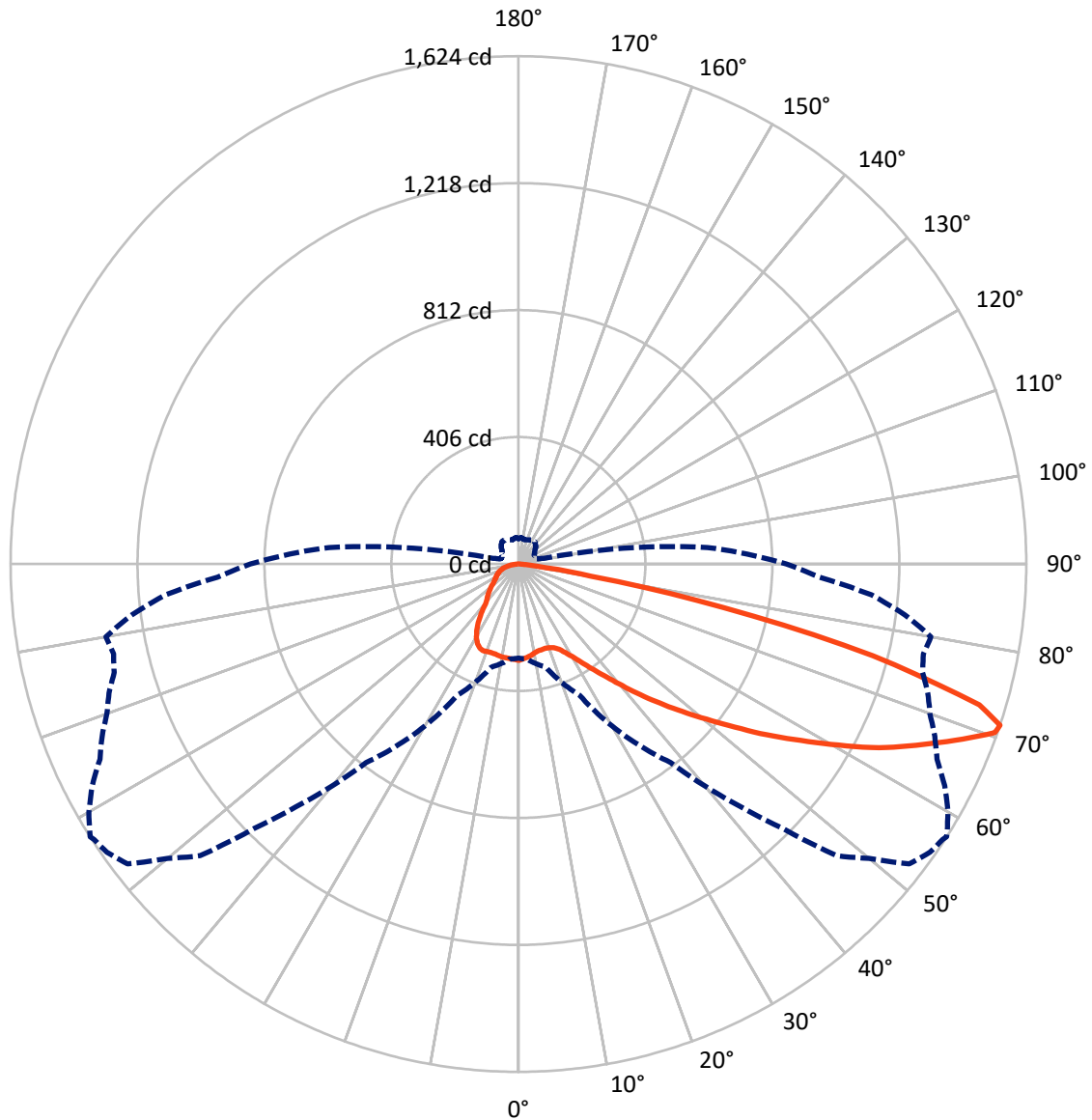
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 519.2 | 0.0 | 519.2 |
| | % Fixture | 21.8 | 0.0 | 21.8 |
| Street Side | Lumens | 1865.8 | 0.0 | 1865.8 |
| | % Fixture | 78.2 | 0.0 | 78.2 |
| Total | Lumens | 2385.0 | 0.0 | 2385.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.0 | 1.2 |
| 10°-20° | 83.6 | 3.5 |
| 20°-30° | 138.7 | 5.8 |
| 30°-40° | 220.8 | 9.3 |
| 40°-50° | 358.7 | 15.0 |
| 50°-60° | 537.8 | 22.6 |
| 60°-70° | 641.6 | 26.9 |
| 70°-80° | 346.5 | 14.5 |
| 80°-90° | 28.2 | 1.2 |
| 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° | 2385.0 | 100.0 |
| 0°-180° | 2385.0 | 100.0 |



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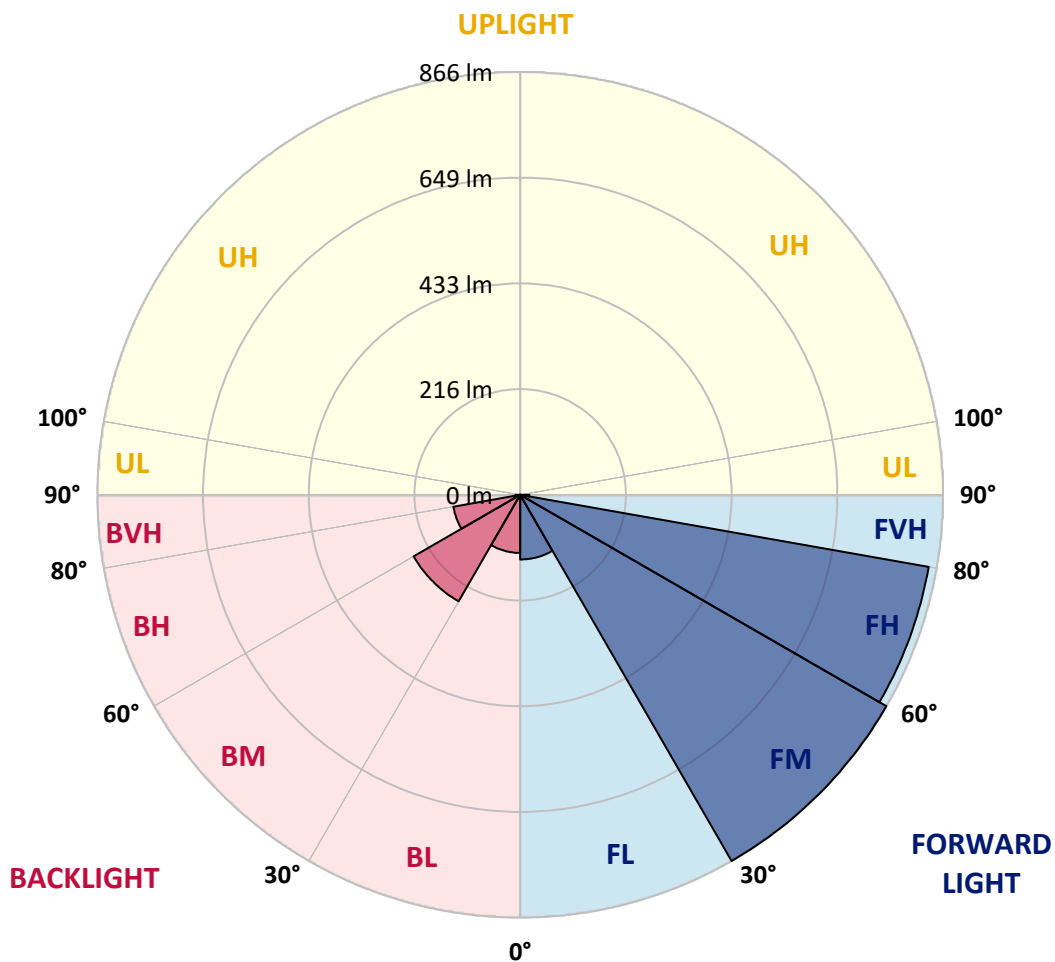
CATALOG NUMBER: ISS-AF-350-LED-E1-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 132.3 | 5.5 | | | |
| FM | (30°-60°) | 865.6 | 36.3 | | | |
| FH | (60°-80°) | 849.3 | 35.6 | | | G1/1800 |
| FVH | (80°-90°) | 18.6 | 0.8 | | | G1/100 |
| BL | (0°-30°) | 118.9 | 5.0 | B1/500 | | |
| BM | (30°-60°) | 251.8 | 10.6 | B1/1000 | | |
| BH | (60°-80°) | 138.9 | 5.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 9.6 | 0.4 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 |
| 2.5° | 308.1 | 307.3 | 306.5 | 306.5 | 306.5 | 305.7 | 303.4 | 304.2 | 306.5 | 305.0 | 307.3 |
| 5° | 307.3 | 305.7 | 305.0 | 305.0 | 305.0 | 302.6 | 301.8 | 301.0 | 305.7 | 301.8 | 305.0 |
| 7.5° | 298.6 | 298.6 | 297.1 | 298.6 | 300.2 | 297.9 | 296.3 | 297.1 | 301.0 | 297.1 | 301.0 |
| 10° | 292.3 | 290.8 | 290.0 | 290.0 | 291.6 | 288.4 | 286.8 | 288.4 | 293.1 | 288.4 | 293.9 |
| 12.5° | 290.0 | 290.8 | 288.4 | 288.4 | 287.6 | 283.7 | 283.7 | 283.7 | 287.6 | 283.7 | 288.4 |
| 15° | 293.9 | 293.1 | 290.8 | 289.2 | 286.8 | 283.7 | 282.9 | 283.7 | 286.8 | 282.1 | 287.6 |
| 17.5° | 299.4 | 299.4 | 295.5 | 291.6 | 289.2 | 286.0 | 286.0 | 284.5 | 286.8 | 283.7 | 287.6 |
| 20° | 313.6 | 311.3 | 305.7 | 299.4 | 293.1 | 291.6 | 288.4 | 288.4 | 290.0 | 286.8 | 289.2 |
| 22.5° | 338.0 | 335.7 | 326.2 | 314.4 | 304.2 | 300.2 | 298.6 | 297.9 | 296.3 | 294.7 | 294.7 |
| 25° | 370.4 | 366.4 | 355.4 | 341.2 | 323.9 | 320.7 | 317.6 | 315.2 | 309.7 | 309.7 | 305.7 |
| 27.5° | 405.0 | 401.1 | 389.3 | 373.5 | 352.2 | 347.5 | 343.6 | 340.4 | 331.0 | 331.0 | 323.9 |
| 30° | 444.4 | 439.7 | 425.5 | 408.2 | 383.8 | 382.2 | 376.7 | 371.9 | 359.3 | 358.5 | 349.1 |
| 32.5° | 490.1 | 483.8 | 469.6 | 446.8 | 420.8 | 421.6 | 412.9 | 409.8 | 393.2 | 394.0 | 381.4 |
| 35° | 542.1 | 535.0 | 520.9 | 490.9 | 464.1 | 466.5 | 458.6 | 453.1 | 432.6 | 432.6 | 419.2 |
| 37.5° | 597.3 | 597.3 | 579.2 | 544.5 | 512.2 | 517.7 | 508.3 | 502.7 | 482.3 | 485.4 | 464.1 |
| 40° | 658.8 | 662.7 | 643.0 | 603.6 | 570.5 | 572.9 | 565.8 | 559.5 | 535.0 | 540.6 | 517.7 |
| 42.5° | 723.4 | 730.5 | 713.1 | 672.2 | 635.1 | 643.0 | 631.2 | 624.9 | 598.9 | 610.7 | 583.9 |
| 45° | 817.2 | 818.7 | 786.4 | 747.0 | 716.3 | 723.4 | 706.8 | 704.5 | 672.2 | 684.8 | 658.0 |
| 47.5° | 876.3 | 872.3 | 848.7 | 825.0 | 806.9 | 821.1 | 806.1 | 802.2 | 765.1 | 773.8 | 736.0 |
| 50° | 916.4 | 918.8 | 900.7 | 898.3 | 901.5 | 928.3 | 925.9 | 918.0 | 873.9 | 867.6 | 820.3 |
| 52.5° | 952.7 | 942.4 | 939.3 | 961.4 | 995.2 | 1026.8 | 1039.4 | 1029.1 | 981.1 | 963.7 | 918.0 |
| 55° | 946.4 | 931.4 | 948.0 | 1001.5 | 1068.5 | 1117.4 | 1119.0 | 1111.9 | 1068.5 | 1061.4 | 1011.8 |
| 57.5° | 903.8 | 907.0 | 940.9 | 1017.3 | 1130.8 | 1181.2 | 1189.9 | 1181.2 | 1145.7 | 1152.0 | 1111.1 |
| 60° | 844.7 | 851.0 | 904.6 | 1003.1 | 1180.4 | 1223.8 | 1227.7 | 1237.9 | 1214.3 | 1230.8 | 1202.5 |
| 62.5° | 756.5 | 765.1 | 833.7 | 967.7 | 1145.7 | 1210.4 | 1246.6 | 1270.2 | 1265.5 | 1303.3 | 1288.4 |
| 65° | 695.0 | 695.0 | 762.0 | 926.7 | 1111.9 | 1197.0 | 1251.3 | 1295.5 | 1301.8 | 1361.7 | 1356.1 |
| 67.5° | 580.8 | 584.7 | 642.2 | 812.4 | 1070.9 | 1167.0 | 1249.0 | 1323.8 | 1361.7 | 1456.2 | 1460.9 |
| 70° | 401.9 | 405.0 | 442.9 | 580.0 | 865.2 | 947.2 | 1067.7 | 1189.9 | 1303.3 | 1446.0 | 1520.0 |
| 71° | 301.0 | 305.0 | 342.0 | 462.6 | 732.8 | 800.6 | 925.9 | 1052.8 | 1195.4 | 1380.6 | 1464.1 |
| 72.5° | 147.4 | 149.7 | 186.0 | 297.1 | 509.8 | 596.5 | 669.0 | 790.4 | 941.7 | 1153.6 | 1271.8 |
| 75° | 68.6 | 69.3 | 77.2 | 107.2 | 194.6 | 231.7 | 264.0 | 342.0 | 435.8 | 621.7 | 765.1 |
| 77.5° | 50.4 | 50.4 | 55.2 | 70.1 | 100.9 | 102.4 | 100.9 | 103.2 | 124.5 | 178.1 | 267.9 |
| 80° | 37.0 | 37.0 | 40.2 | 47.3 | 67.0 | 67.0 | 64.6 | 65.4 | 63.0 | 65.4 | 74.1 |
| 82.5° | 24.4 | 24.4 | 26.0 | 28.4 | 41.0 | 41.0 | 39.4 | 39.4 | 37.8 | 37.0 | 40.2 |
| 85° | 14.2 | 15.0 | 15.8 | 13.4 | 17.3 | 16.5 | 15.0 | 16.5 | 15.8 | 14.2 | 17.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 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-T3-7050

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 |
| 2.5° | 304.2 | 306.5 | 306.5 | 303.4 | 305.7 | 303.4 | 305.0 | 302.6 | 305.0 | 301.0 | 305.7 |
| 5° | 301.8 | 304.2 | 304.2 | 299.4 | 304.2 | 299.4 | 303.4 | 297.9 | 303.4 | 297.1 | 303.4 |
| 7.5° | 295.5 | 301.0 | 301.0 | 294.7 | 300.2 | 295.5 | 300.2 | 294.7 | 299.4 | 292.3 | 300.2 |
| 10° | 288.4 | 293.9 | 294.7 | 288.4 | 294.7 | 289.2 | 296.3 | 289.2 | 296.3 | 288.4 | 297.1 |
| 12.5° | 283.7 | 290.0 | 291.6 | 284.5 | 292.3 | 285.3 | 293.9 | 286.0 | 293.9 | 285.3 | 295.5 |
| 15° | 282.9 | 288.4 | 290.0 | 283.7 | 290.8 | 282.9 | 293.1 | 283.7 | 293.9 | 284.5 | 296.3 |
| 17.5° | 283.7 | 288.4 | 290.0 | 282.9 | 290.0 | 283.7 | 292.3 | 284.5 | 293.9 | 285.3 | 296.3 |
| 20° | 286.0 | 289.2 | 289.2 | 285.3 | 290.8 | 285.3 | 292.3 | 284.5 | 294.7 | 286.8 | 297.1 |
| 22.5° | 293.1 | 293.9 | 293.9 | 290.8 | 293.9 | 290.0 | 295.5 | 290.0 | 297.1 | 290.8 | 300.2 |
| 25° | 305.0 | 304.2 | 302.6 | 301.8 | 302.6 | 300.2 | 303.4 | 299.4 | 306.5 | 301.0 | 310.5 |
| 27.5° | 325.4 | 322.3 | 320.7 | 320.7 | 319.9 | 320.7 | 320.7 | 319.1 | 322.3 | 320.7 | 327.0 |
| 30° | 350.7 | 345.1 | 342.8 | 345.1 | 342.0 | 345.1 | 344.4 | 343.6 | 346.7 | 345.1 | 350.7 |
| 32.5° | 383.8 | 374.3 | 372.7 | 377.4 | 371.1 | 376.7 | 371.9 | 374.3 | 376.7 | 378.2 | 381.4 |
| 35° | 422.4 | 411.3 | 409.8 | 414.5 | 407.4 | 415.3 | 409.8 | 412.9 | 414.5 | 418.4 | 420.8 |
| 37.5° | 468.1 | 454.7 | 452.3 | 458.6 | 449.2 | 457.8 | 449.9 | 459.4 | 457.0 | 462.6 | 464.9 |
| 40° | 523.2 | 507.5 | 502.0 | 510.6 | 499.6 | 506.7 | 498.8 | 509.0 | 506.7 | 517.7 | 520.1 |
| 42.5° | 591.0 | 568.1 | 562.6 | 571.3 | 554.7 | 557.1 | 550.8 | 562.6 | 561.1 | 576.0 | 578.4 |
| 45° | 661.1 | 633.5 | 625.7 | 634.3 | 615.4 | 620.2 | 610.7 | 623.3 | 622.5 | 634.3 | 643.8 |
| 47.5° | 739.1 | 705.3 | 695.0 | 704.5 | 681.6 | 687.1 | 677.7 | 691.1 | 691.9 | 705.3 | 714.7 |
| 50° | 820.3 | 784.8 | 771.4 | 780.1 | 758.8 | 762.8 | 753.3 | 769.9 | 769.1 | 787.2 | 794.3 |
| 52.5° | 908.6 | 872.3 | 862.1 | 866.0 | 840.8 | 845.5 | 837.6 | 858.1 | 853.4 | 864.4 | 878.6 |
| 55° | 1006.3 | 964.5 | 952.7 | 964.5 | 934.6 | 940.9 | 930.6 | 949.5 | 941.7 | 955.8 | 959.8 |
| 57.5° | 1106.3 | 1065.4 | 1055.9 | 1064.6 | 1036.2 | 1040.9 | 1027.5 | 1043.3 | 1037.0 | 1046.5 | 1052.8 |
| 60° | 1212.7 | 1175.7 | 1166.2 | 1175.7 | 1148.1 | 1148.9 | 1126.0 | 1142.6 | 1133.1 | 1145.0 | 1142.6 |
| 62.5° | 1314.4 | 1282.9 | 1280.5 | 1293.9 | 1259.2 | 1255.3 | 1227.7 | 1239.5 | 1226.1 | 1234.0 | 1224.5 |
| 65° | 1401.1 | 1382.9 | 1386.1 | 1397.1 | 1366.4 | 1356.9 | 1325.4 | 1331.7 | 1312.0 | 1312.0 | 1300.2 |
| 67.5° | 1514.5 | 1494.8 | 1494.8 | 1504.3 | 1465.7 | 1441.2 | 1397.9 | 1392.4 | 1360.1 | 1353.8 | 1326.2 |
| 70° | 1609.1 | 1614.6 | 1608.3 | 1616.2 | 1570.5 | 1520.8 | 1463.3 | 1435.7 | 1393.2 | 1372.7 | 1340.4 |
| 71° | 1575.2 | 1606.7 | 1617.8 | 1624.1 | 1586.2 | 1536.6 | 1476.7 | 1441.2 | 1400.3 | 1372.7 | 1338.0 |
| 72.5° | 1421.5 | 1498.0 | 1541.3 | 1541.3 | 1546.0 | 1514.5 | 1457.0 | 1418.4 | 1371.9 | 1335.7 | 1303.3 |
| 75° | 996.0 | 1120.5 | 1176.5 | 1170.2 | 1211.1 | 1225.3 | 1230.1 | 1213.5 | 1187.5 | 1135.5 | 1112.6 |
| 77.5° | 443.6 | 584.7 | 669.0 | 669.8 | 713.9 | 752.5 | 783.3 | 815.6 | 803.8 | 778.5 | 777.0 |
| 80° | 100.9 | 182.8 | 234.0 | 236.4 | 276.6 | 312.0 | 333.3 | 365.6 | 369.6 | 333.3 | 312.8 |
| 82.5° | 43.3 | 51.2 | 58.3 | 57.5 | 70.9 | 85.1 | 100.9 | 109.5 | 105.6 | 87.5 | 82.7 |
| 85° | 18.1 | 23.6 | 25.2 | 23.6 | 29.2 | 32.3 | 37.8 | 38.6 | 44.9 | 40.2 | 42.6 |
| 87.5° | 0.0 | 0.8 | 0.8 | 0.0 | 1.6 | 0.0 | 1.6 | 0.8 | 3.9 | 1.6 | 4.7 |
| 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-T3-7050

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-------|--------|
| 0° | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 |
| 2.5° | 302.6 | 306.5 | 302.6 | 306.5 | 304.2 | 306.5 | 305.7 | 306.5 | 302.6 | 306.5 | 301.8 |
| 5° | 297.1 | 303.4 | 297.9 | 302.6 | 297.9 | 303.4 | 303.4 | 303.4 | 297.9 | 304.2 | 298.6 |
| 7.5° | 292.3 | 299.4 | 292.3 | 299.4 | 294.7 | 300.2 | 300.2 | 302.6 | 296.3 | 303.4 | 295.5 |
| 10° | 287.6 | 296.3 | 287.6 | 297.9 | 290.0 | 298.6 | 299.4 | 301.0 | 292.3 | 301.8 | 293.9 |
| 12.5° | 285.3 | 296.3 | 286.0 | 296.3 | 286.8 | 298.6 | 299.4 | 301.0 | 291.6 | 303.4 | 293.1 |
| 15° | 285.3 | 297.1 | 286.0 | 297.1 | 286.8 | 298.6 | 300.2 | 301.8 | 291.6 | 304.2 | 293.1 |
| 17.5° | 285.3 | 297.1 | 287.6 | 297.9 | 288.4 | 299.4 | 301.0 | 302.6 | 293.1 | 304.2 | 294.7 |
| 20° | 287.6 | 298.6 | 289.2 | 300.2 | 290.8 | 301.8 | 302.6 | 305.0 | 294.7 | 305.0 | 296.3 |
| 22.5° | 293.1 | 302.6 | 294.7 | 305.0 | 297.9 | 306.5 | 307.3 | 309.7 | 301.8 | 310.5 | 303.4 |
| 25° | 302.6 | 312.8 | 306.5 | 314.4 | 310.5 | 317.6 | 319.1 | 319.1 | 316.0 | 321.5 | 319.1 |
| 27.5° | 322.3 | 330.2 | 325.4 | 332.5 | 330.2 | 335.7 | 335.7 | 336.5 | 338.8 | 340.4 | 342.8 |
| 30° | 347.5 | 353.0 | 351.4 | 355.4 | 356.2 | 359.3 | 359.3 | 364.1 | 373.5 | 364.1 | 363.3 |
| 32.5° | 381.4 | 384.5 | 385.3 | 386.9 | 390.1 | 392.4 | 395.6 | 401.1 | 409.0 | 386.9 | 379.8 |
| 35° | 423.2 | 423.9 | 426.3 | 428.7 | 434.2 | 435.8 | 446.0 | 442.1 | 442.1 | 407.4 | 392.4 |
| 37.5° | 468.9 | 468.9 | 475.2 | 475.2 | 488.6 | 489.3 | 499.6 | 479.1 | 467.3 | 422.4 | 400.3 |
| 40° | 526.4 | 525.6 | 532.7 | 534.3 | 552.4 | 553.2 | 551.6 | 506.7 | 481.5 | 426.3 | 396.4 |
| 42.5° | 587.1 | 589.4 | 598.9 | 602.0 | 615.4 | 620.2 | 600.5 | 525.6 | 487.8 | 423.9 | 383.0 |
| 45° | 653.2 | 658.0 | 669.8 | 678.5 | 692.6 | 687.1 | 639.9 | 534.3 | 480.7 | 409.8 | 357.0 |
| 47.5° | 725.7 | 730.5 | 739.9 | 756.5 | 762.8 | 756.5 | 672.2 | 537.4 | 469.6 | 387.7 | 319.1 |
| 50° | 799.0 | 806.9 | 820.3 | 843.9 | 847.1 | 831.3 | 711.6 | 549.2 | 461.0 | 364.8 | 275.8 |
| 52.5° | 881.8 | 889.6 | 905.4 | 944.8 | 936.9 | 904.6 | 758.1 | 571.3 | 463.3 | 350.7 | 238.8 |
| 55° | 969.2 | 980.3 | 1011.0 | 1049.6 | 1032.3 | 981.8 | 809.3 | 603.6 | 472.8 | 335.7 | 197.8 |
| 57.5° | 1061.4 | 1073.2 | 1113.4 | 1159.1 | 1125.3 | 1057.5 | 861.3 | 628.8 | 477.5 | 305.0 | 152.9 |
| 60° | 1152.8 | 1169.4 | 1221.4 | 1259.2 | 1206.4 | 1122.1 | 907.8 | 645.4 | 464.9 | 246.6 | 118.2 |
| 62.5° | 1236.4 | 1263.2 | 1321.5 | 1342.0 | 1257.6 | 1163.1 | 933.0 | 633.5 | 413.7 | 170.2 | 95.3 |
| 65° | 1295.5 | 1330.1 | 1368.0 | 1365.6 | 1248.2 | 1149.7 | 914.1 | 579.2 | 308.1 | 112.7 | 81.2 |
| 67.5° | 1320.7 | 1353.0 | 1361.7 | 1321.5 | 1180.4 | 1090.6 | 846.3 | 466.5 | 177.3 | 84.3 | 70.9 |
| 70° | 1330.1 | 1357.7 | 1308.9 | 1211.9 | 1048.0 | 945.6 | 691.9 | 297.1 | 96.9 | 68.6 | 61.5 |
| 71° | 1326.2 | 1339.6 | 1246.6 | 1133.1 | 963.7 | 856.6 | 606.8 | 226.2 | 82.7 | 63.8 | 58.3 |
| 72.5° | 1272.6 | 1253.7 | 1110.3 | 984.2 | 817.2 | 708.4 | 472.0 | 142.6 | 67.8 | 57.5 | 54.4 |
| 75° | 1040.2 | 955.0 | 817.2 | 698.2 | 556.3 | 445.2 | 256.1 | 73.3 | 54.4 | 49.6 | 47.3 |
| 77.5° | 680.0 | 606.0 | 492.5 | 400.3 | 304.2 | 230.9 | 104.8 | 50.4 | 43.3 | 41.8 | 41.0 |
| 80° | 242.7 | 194.6 | 147.4 | 129.2 | 97.7 | 80.4 | 51.2 | 38.6 | 33.9 | 34.7 | 33.9 |
| 82.5° | 68.6 | 63.0 | 54.4 | 50.4 | 44.1 | 43.3 | 33.1 | 29.2 | 26.8 | 28.4 | 27.6 |
| 85° | 33.9 | 29.2 | 21.3 | 20.5 | 15.8 | 18.1 | 16.5 | 19.7 | 17.3 | 18.1 | 16.5 |
| 87.5° | 2.4 | 3.2 | 0.8 | 2.4 | 0.0 | 2.4 | 3.2 | 3.9 | 0.8 | 3.2 | 2.4 |
| 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-T3-7050

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° |
|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
| 0° | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 | 308.1 |
| 2.5° | 307.3 | 304.2 | 308.1 | 304.2 | 308.1 | 305.7 | 308.1 | 305.7 | 308.1 | 309.7 | 309.7 |
| 5° | 305.7 | 300.2 | 307.3 | 303.4 | 308.1 | 304.2 | 307.3 | 305.0 | 308.9 | 310.5 | 312.0 |
| 7.5° | 305.0 | 299.4 | 306.5 | 301.0 | 308.1 | 302.6 | 307.3 | 304.2 | 308.9 | 310.5 | 313.6 |
| 10° | 304.2 | 297.1 | 306.5 | 298.6 | 307.3 | 301.8 | 307.3 | 302.6 | 308.1 | 309.7 | 310.5 |
| 12.5° | 304.2 | 296.3 | 306.5 | 297.9 | 307.3 | 299.4 | 306.5 | 299.4 | 307.3 | 306.5 | 304.2 |
| 15° | 305.0 | 294.7 | 306.5 | 296.3 | 306.5 | 297.1 | 305.7 | 296.3 | 304.2 | 301.8 | 300.2 |
| 17.5° | 305.0 | 294.7 | 305.7 | 295.5 | 305.0 | 296.3 | 303.4 | 294.7 | 301.8 | 301.0 | 298.6 |
| 20° | 306.5 | 296.3 | 305.7 | 298.6 | 305.7 | 297.1 | 302.6 | 294.7 | 300.2 | 295.5 | 286.0 |
| 22.5° | 311.3 | 304.2 | 311.3 | 304.2 | 307.3 | 299.4 | 301.8 | 292.3 | 291.6 | 283.7 | 268.7 |
| 25° | 322.3 | 319.1 | 317.6 | 308.9 | 306.5 | 296.3 | 293.1 | 282.1 | 278.2 | 266.3 | 245.9 |
| 27.5° | 336.5 | 329.4 | 319.9 | 309.7 | 299.4 | 286.8 | 278.2 | 269.5 | 260.8 | 245.9 | 219.9 |
| 30° | 345.9 | 335.7 | 316.0 | 301.8 | 282.9 | 272.6 | 257.7 | 248.2 | 235.6 | 216.7 | 191.5 |
| 32.5° | 352.2 | 336.5 | 306.5 | 290.0 | 264.8 | 251.4 | 231.7 | 221.4 | 203.3 | 185.2 | 167.1 |
| 35° | 353.8 | 333.3 | 293.9 | 275.8 | 242.7 | 227.7 | 201.7 | 190.7 | 173.4 | 160.8 | 153.7 |
| 37.5° | 347.5 | 322.3 | 274.2 | 250.6 | 214.3 | 197.0 | 172.6 | 164.7 | 154.4 | 149.7 | 146.6 |
| 40° | 334.9 | 301.0 | 243.5 | 215.9 | 178.9 | 165.5 | 152.9 | 152.9 | 147.4 | 145.0 | 139.5 |
| 42.5° | 312.0 | 269.5 | 204.1 | 177.3 | 152.1 | 149.7 | 142.6 | 145.8 | 141.8 | 140.3 | 132.4 |
| 45° | 276.6 | 224.6 | 164.7 | 148.9 | 137.1 | 138.7 | 134.0 | 137.1 | 134.7 | 134.0 | 124.5 |
| 47.5° | 230.9 | 178.9 | 138.7 | 133.2 | 125.3 | 127.7 | 123.7 | 127.7 | 125.3 | 126.1 | 119.0 |
| 50° | 184.4 | 145.0 | 122.9 | 119.8 | 114.3 | 115.8 | 113.5 | 117.4 | 116.6 | 119.8 | 115.8 |
| 52.5° | 147.4 | 123.7 | 109.5 | 107.2 | 104.0 | 104.8 | 104.0 | 108.0 | 108.7 | 115.0 | 115.0 |
| 55° | 122.1 | 106.4 | 98.5 | 97.7 | 94.6 | 95.3 | 96.1 | 100.1 | 103.2 | 111.1 | 115.0 |
| 57.5° | 104.8 | 95.3 | 89.8 | 89.0 | 87.5 | 88.3 | 89.8 | 94.6 | 97.7 | 108.0 | 116.6 |
| 60° | 92.2 | 86.7 | 82.7 | 82.7 | 81.2 | 82.7 | 84.3 | 89.0 | 93.0 | 104.8 | 113.5 |
| 62.5° | 82.7 | 78.8 | 76.4 | 77.2 | 76.4 | 78.0 | 79.6 | 84.3 | 89.0 | 100.1 | 108.7 |
| 65° | 74.1 | 71.7 | 70.1 | 70.9 | 70.9 | 73.3 | 74.9 | 79.6 | 83.5 | 93.8 | 104.8 |
| 67.5° | 67.0 | 65.4 | 64.6 | 65.4 | 66.2 | 68.6 | 70.9 | 74.1 | 77.2 | 86.7 | 99.3 |
| 70° | 61.5 | 59.9 | 59.9 | 59.9 | 60.7 | 63.0 | 66.2 | 67.8 | 70.9 | 81.2 | 93.0 |
| 71° | 58.3 | 57.5 | 57.5 | 57.5 | 58.3 | 60.7 | 63.8 | 65.4 | 68.6 | 78.8 | 89.8 |
| 72.5° | 54.4 | 54.4 | 55.2 | 54.4 | 55.9 | 56.7 | 59.9 | 61.5 | 65.4 | 75.6 | 85.9 |
| 75° | 48.1 | 48.1 | 48.9 | 48.9 | 50.4 | 50.4 | 52.8 | 54.4 | 59.1 | 67.8 | 77.2 |
| 77.5° | 42.6 | 42.6 | 44.1 | 43.3 | 43.3 | 41.8 | 44.9 | 46.5 | 50.4 | 59.1 | 68.6 |
| 80° | 36.2 | 35.5 | 37.0 | 34.7 | 33.9 | 32.3 | 34.7 | 37.0 | 43.3 | 48.9 | 50.4 |
| 82.5° | 28.4 | 26.0 | 26.8 | 24.4 | 24.4 | 22.9 | 25.2 | 26.0 | 29.9 | 35.5 | 38.6 |
| 85° | 17.3 | 14.2 | 15.8 | 13.4 | 15.0 | 13.4 | 14.2 | 15.0 | 18.1 | 22.1 | 21.3 |
| 87.5° | 3.9 | 2.4 | 3.2 | 0.8 | 2.4 | 0.0 | 2.4 | 0.8 | 2.4 | 0.8 | 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-T3-7050

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 308.1 | 308.1 | 308.1 | 308.1 |
| 2.5° | 311.3 | 310.5 | 311.3 | 310.5 |
| 5° | 315.2 | 315.2 | 316.0 | 316.8 |
| 7.5° | 316.0 | 317.6 | 319.1 | 318.3 |
| 10° | 310.5 | 308.9 | 310.5 | 308.9 |
| 12.5° | 301.8 | 300.2 | 301.8 | 301.8 |
| 15° | 301.0 | 300.2 | 301.0 | 301.0 |
| 17.5° | 295.5 | 291.6 | 290.0 | 289.2 |
| 20° | 279.7 | 272.6 | 271.1 | 268.7 |
| 22.5° | 257.7 | 247.4 | 244.3 | 241.9 |
| 25° | 230.9 | 216.7 | 211.2 | 208.0 |
| 27.5° | 201.7 | 187.5 | 182.0 | 182.0 |
| 30° | 178.9 | 167.8 | 162.3 | 162.3 |
| 32.5° | 162.3 | 156.0 | 152.1 | 152.9 |
| 35° | 148.9 | 145.0 | 142.6 | 143.4 |
| 37.5° | 140.3 | 134.0 | 128.4 | 128.4 |
| 40° | 131.6 | 123.7 | 116.6 | 116.6 |
| 42.5° | 123.7 | 115.8 | 111.1 | 110.3 |
| 45° | 115.8 | 110.3 | 106.4 | 105.6 |
| 47.5° | 111.9 | 107.2 | 103.2 | 102.4 |
| 50° | 110.3 | 105.6 | 100.1 | 100.1 |
| 52.5° | 111.9 | 108.0 | 97.7 | 97.7 |
| 55° | 115.0 | 112.7 | 97.7 | 96.1 |
| 57.5° | 111.9 | 108.0 | 98.5 | 96.1 |
| 60° | 104.8 | 98.5 | 96.9 | 95.3 |
| 62.5° | 100.1 | 93.8 | 96.9 | 96.1 |
| 65° | 96.1 | 91.4 | 98.5 | 96.9 |
| 67.5° | 92.2 | 87.5 | 98.5 | 95.3 |
| 70° | 87.5 | 82.7 | 89.8 | 84.3 |
| 71° | 85.1 | 79.6 | 85.1 | 80.4 |
| 72.5° | 81.2 | 74.9 | 76.4 | 73.3 |
| 75° | 73.3 | 67.0 | 65.4 | 64.6 |
| 77.5° | 60.7 | 53.6 | 51.2 | 50.4 |
| 80° | 46.5 | 41.8 | 41.8 | 39.4 |
| 82.5° | 34.7 | 30.7 | 29.9 | 26.0 |
| 85° | 18.1 | 14.2 | 11.8 | 11.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)