

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: P595471

Luminaire Tested: **ISW-PA1A-750-U-T2U-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1A-750-U-T2U-HSS
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2909 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

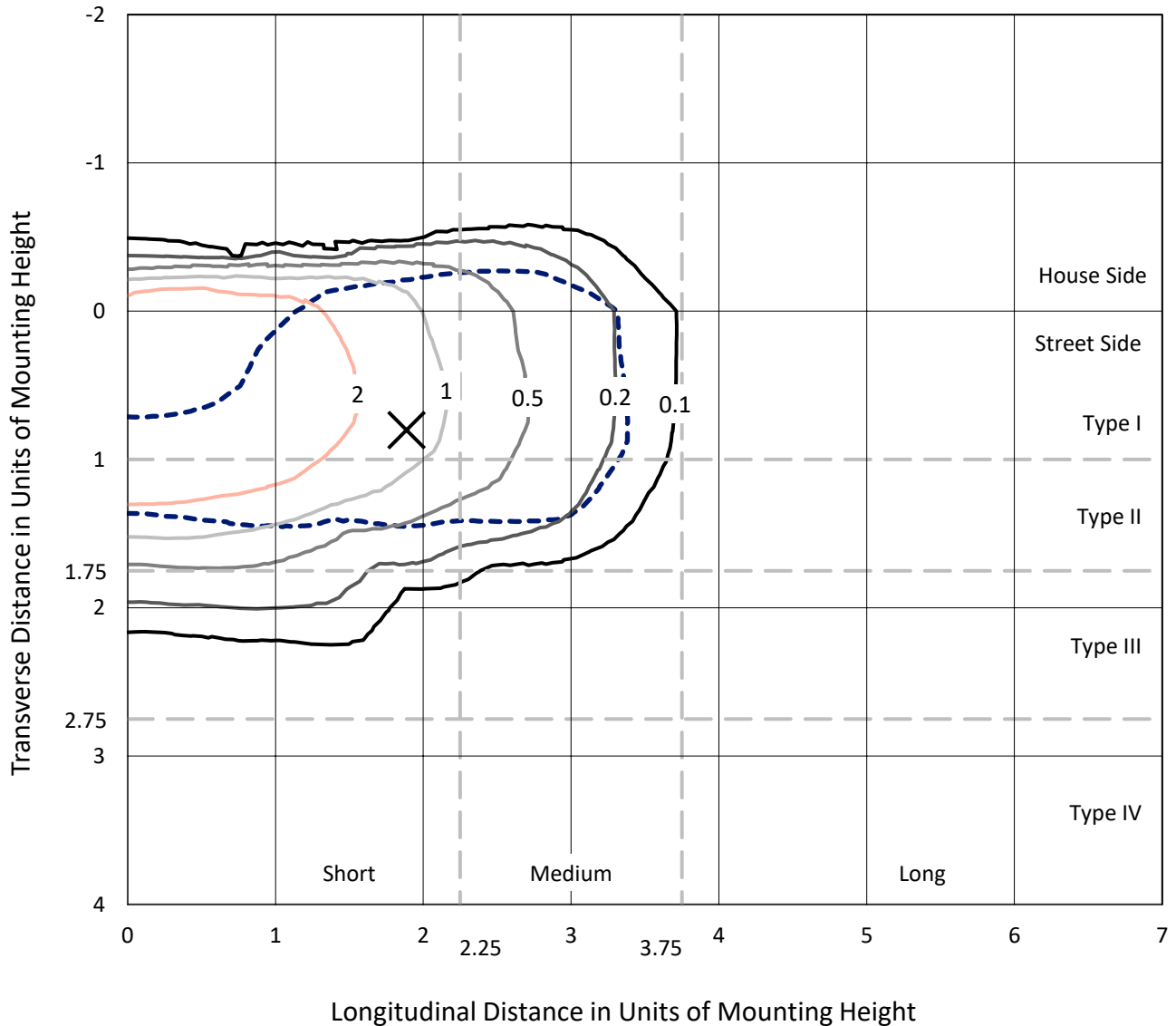
Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595471
 CATALOG NUMBER: ISW-PA1A-750-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

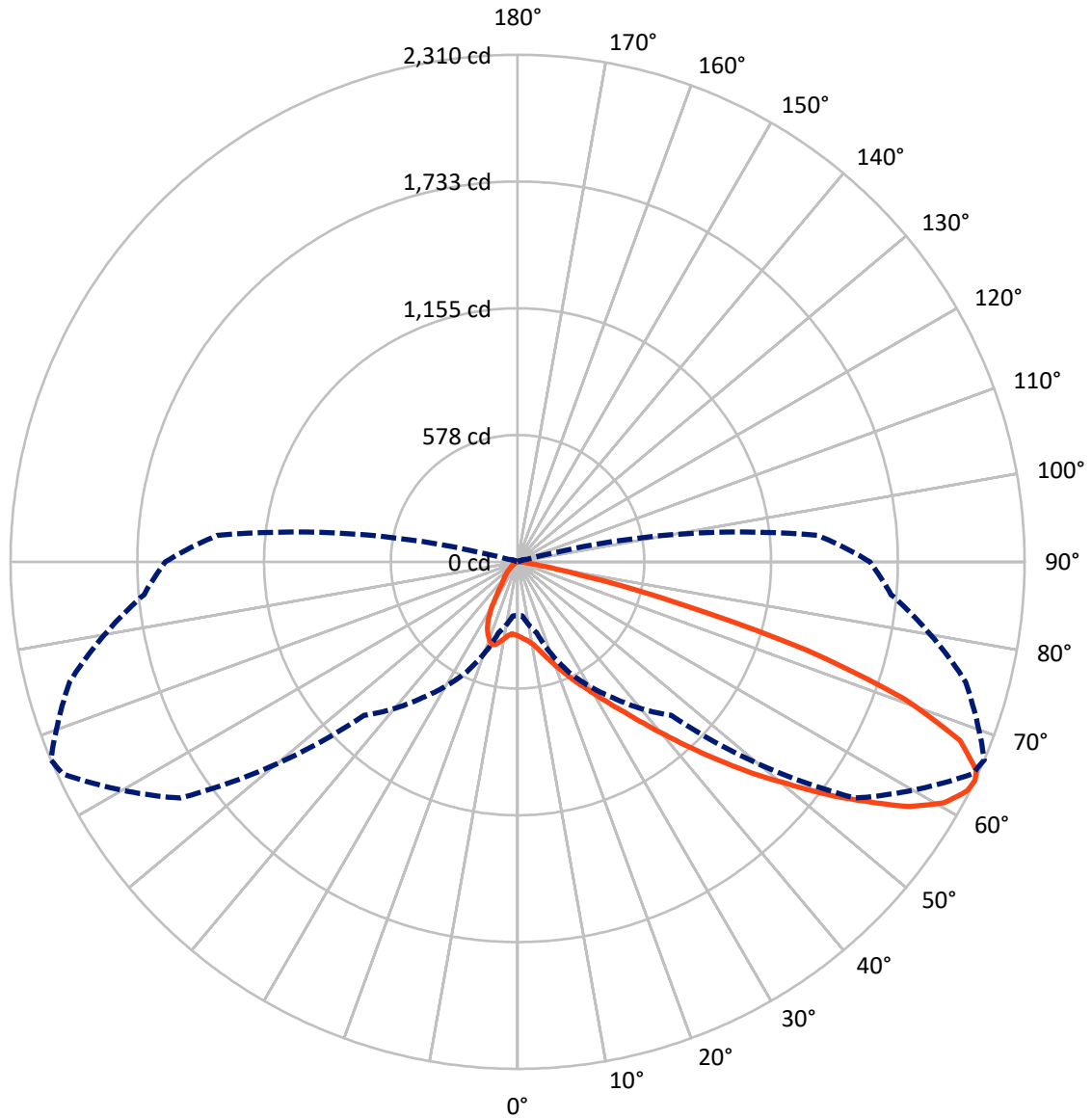
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

REPORT NUMBER: P595471
CATALOG NUMBER: ISW-PA1A-750-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P595471
 CATALOG NUMBER: ISW-PA1A-750-U-T2U-HSS

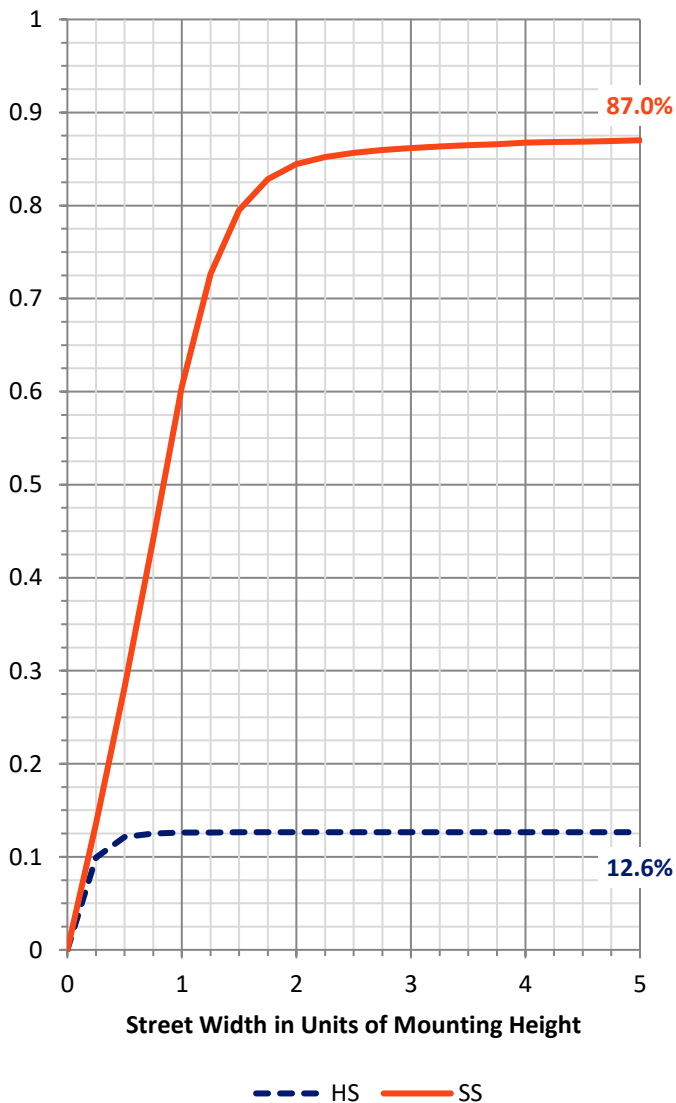
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 372.1 | 0.0 | 372.1 |
| | % Fixture | 12.8 | 0.0 | 12.8 |
| Street Side | Lumens | 2536.9 | 0.0 | 2536.9 |
| | % Fixture | 87.2 | 0.0 | 87.2 |
| Total | Lumens | 2909.0 | 0.0 | 2909.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.1 | 1.1 |
| 10°-20° | 94.6 | 3.3 |
| 20°-30° | 171.7 | 5.9 |
| 30°-40° | 328.9 | 11.3 |
| 40°-50° | 606.3 | 20.8 |
| 50°-60° | 783.0 | 26.9 |
| 60°-70° | 641.4 | 22.0 |
| 70°-80° | 235.8 | 8.1 |
| 80°-90° | 15.2 | 0.5 |
| 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° | 2909.0 | 100.0 |
| 0°-180° | 2909.0 | 100.0 |

Coefficient of Utilization

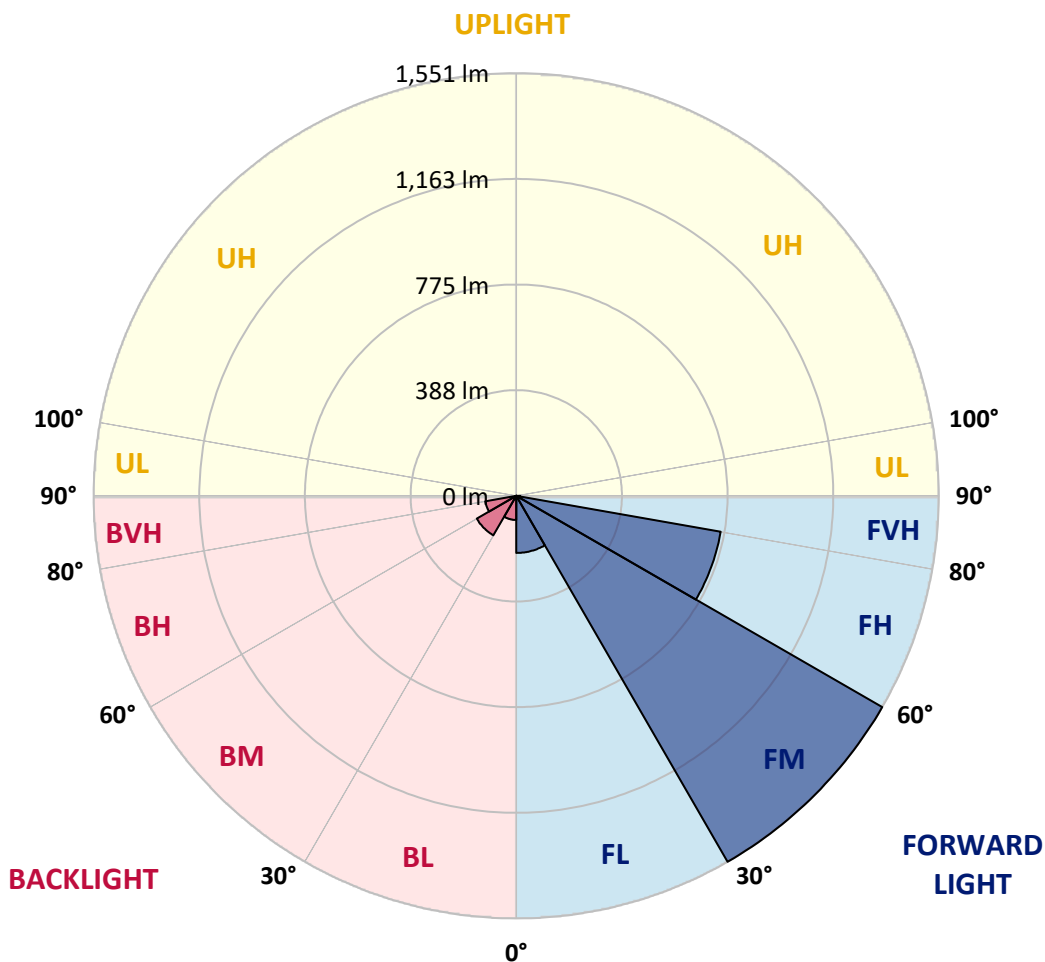


REPORT NUMBER: P595471
 CATALOG NUMBER: ISW-PA1A-750-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 209.7 | 7.2 | | | |
| FM (30°-60°) | 1550.9 | 53.3 | | | |
| FH (60°-80°) | 761.7 | 26.2 | | | G1/1800 |
| FVH (80°-90°) | 14.5 | 0.5 | | | G1/100 |
| BL (0°-30°) | 88.7 | 3.0 | B0/110 | | |
| BM (30°-60°) | 167.3 | 5.8 | B0/220 | | |
| BH (60°-80°) | 115.4 | 4.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.7 | 0.0 | | | 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 II Short





REPORT NUMBER: P595471
 CATALOG NUMBER: ISW-PA1A-750-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 |
| 2.5° | 350.0 | 350.0 | 352.0 | 351.0 | 351.0 | 349.0 | 346.0 | 347.0 | 346.0 | 345.0 | 342.0 |
| 5° | 344.0 | 345.0 | 346.0 | 348.0 | 352.0 | 354.0 | 354.0 | 355.0 | 355.0 | 354.0 | 350.0 |
| 7.5° | 341.0 | 343.0 | 345.0 | 347.0 | 352.0 | 355.0 | 360.0 | 366.0 | 366.0 | 367.0 | 363.0 |
| 10° | 352.0 | 354.0 | 357.0 | 360.0 | 365.0 | 370.0 | 374.0 | 381.0 | 381.0 | 383.0 | 382.0 |
| 12.5° | 375.0 | 375.0 | 376.0 | 378.0 | 385.0 | 391.0 | 398.0 | 404.0 | 405.0 | 406.0 | 403.0 |
| 15° | 403.0 | 403.0 | 404.0 | 404.0 | 408.0 | 417.0 | 430.0 | 436.0 | 435.0 | 434.0 | 428.0 |
| 17.5° | 435.0 | 435.0 | 435.0 | 436.0 | 438.0 | 443.0 | 458.0 | 470.0 | 469.0 | 468.0 | 456.0 |
| 20° | 465.0 | 467.0 | 469.0 | 470.0 | 472.0 | 476.0 | 492.0 | 506.0 | 509.0 | 505.0 | 484.0 |
| 22.5° | 499.0 | 500.0 | 501.0 | 504.0 | 509.0 | 511.0 | 527.0 | 548.0 | 551.0 | 546.0 | 518.0 |
| 25° | 533.0 | 535.0 | 538.0 | 542.0 | 547.0 | 557.0 | 568.0 | 596.0 | 599.0 | 593.0 | 555.0 |
| 27.5° | 608.0 | 607.0 | 598.0 | 591.0 | 592.0 | 599.0 | 614.0 | 644.0 | 647.0 | 641.0 | 592.0 |
| 30° | 736.0 | 724.0 | 707.0 | 676.0 | 646.0 | 649.0 | 670.0 | 699.0 | 704.0 | 696.0 | 633.0 |
| 32.5° | 918.0 | 906.0 | 864.0 | 796.0 | 730.0 | 708.0 | 735.0 | 763.0 | 769.0 | 760.0 | 681.0 |
| 35° | 1095.0 | 1092.0 | 1052.0 | 970.0 | 858.0 | 797.0 | 804.0 | 840.0 | 842.0 | 831.0 | 741.0 |
| 37.5° | 1314.0 | 1303.0 | 1248.0 | 1156.0 | 1024.0 | 915.0 | 895.0 | 929.0 | 934.0 | 921.0 | 814.0 |
| 40° | 1459.0 | 1455.0 | 1422.0 | 1357.0 | 1215.0 | 1078.0 | 1006.0 | 1039.0 | 1038.0 | 1019.0 | 898.0 |
| 42.5° | 1543.1 | 1545.1 | 1543.1 | 1512.1 | 1431.0 | 1274.0 | 1153.0 | 1155.0 | 1158.0 | 1138.0 | 995.0 |
| 45° | 1600.1 | 1600.1 | 1603.1 | 1628.1 | 1597.1 | 1508.1 | 1332.0 | 1287.0 | 1291.0 | 1260.0 | 1096.0 |
| 47.5° | 1599.1 | 1605.1 | 1621.1 | 1679.1 | 1721.1 | 1726.1 | 1556.1 | 1441.0 | 1439.0 | 1392.0 | 1200.0 |
| 50° | 1491.1 | 1487.1 | 1553.1 | 1683.1 | 1809.1 | 1906.1 | 1768.1 | 1604.1 | 1587.1 | 1529.1 | 1308.0 |
| 52.5° | 1248.0 | 1261.0 | 1371.0 | 1562.1 | 1830.1 | 2028.1 | 1951.1 | 1782.1 | 1760.1 | 1665.1 | 1403.0 |
| 55° | 1036.0 | 1050.0 | 1157.0 | 1344.0 | 1716.1 | 2071.1 | 2074.1 | 1971.1 | 1927.1 | 1783.1 | 1501.1 |
| 57.5° | 778.0 | 805.0 | 963.0 | 1139.0 | 1466.0 | 1964.1 | 2118.1 | 2152.1 | 2104.1 | 1897.1 | 1581.1 |
| 60° | 497.0 | 513.0 | 690.0 | 907.0 | 1188.0 | 1684.1 | 2109.1 | 2257.1 | 2231.1 | 2001.1 | 1648.1 |
| 62.5° | 325.0 | 334.0 | 456.0 | 683.0 | 905.0 | 1269.0 | 2002.1 | 2299.1 | 2299.1 | 2071.1 | 1698.1 |
| 64° | 245.0 | 247.0 | 334.0 | 555.0 | 755.0 | 989.0 | 1876.1 | 2286.1 | 2310.1 | 2113.1 | 1708.1 |
| 65° | 194.0 | 195.0 | 261.0 | 461.0 | 678.0 | 811.0 | 1766.1 | 2258.1 | 2297.1 | 2129.1 | 1714.1 |
| 67.5° | 136.0 | 139.0 | 169.0 | 266.0 | 486.0 | 468.0 | 1309.0 | 2126.1 | 2174.1 | 2134.1 | 1706.1 |
| 70° | 118.0 | 122.0 | 142.0 | 174.0 | 347.0 | 272.0 | 696.0 | 1812.1 | 1869.1 | 1988.1 | 1588.1 |
| 72.5° | 90.0 | 95.0 | 119.0 | 147.0 | 244.0 | 184.0 | 269.0 | 1287.0 | 1377.0 | 1537.1 | 1311.0 |
| 75° | 65.0 | 67.0 | 88.0 | 120.0 | 171.0 | 142.0 | 116.0 | 664.0 | 755.0 | 907.0 | 815.0 |
| 77.5° | 41.0 | 44.0 | 60.0 | 90.0 | 153.0 | 108.0 | 69.0 | 242.0 | 305.0 | 395.0 | 356.0 |
| 80° | 24.0 | 25.0 | 36.0 | 62.0 | 103.0 | 80.0 | 44.0 | 86.0 | 104.0 | 147.0 | 95.0 |
| 82.5° | 14.0 | 15.0 | 23.0 | 42.0 | 67.0 | 62.0 | 28.0 | 44.0 | 49.0 | 56.0 | 20.0 |
| 85° | 5.0 | 5.0 | 16.0 | 25.0 | 36.0 | 31.0 | 16.0 | 23.0 | 25.0 | 31.0 | 6.0 |
| 87.5° | 1.0 | 1.0 | 8.0 | 13.0 | 13.0 | 5.0 | 8.0 | 10.0 | 12.0 | 17.0 | 2.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P595471
 CATALOG NUMBER: ISW-PA1A-750-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 | 338.0 |
| 2.5° | 341.0 | 338.0 | 335.0 | 331.0 | 328.0 | 322.0 | 319.0 | 315.0 | 314.0 | 312.0 | 311.0 |
| 5° | 349.0 | 344.0 | 337.0 | 327.0 | 321.0 | 312.0 | 306.0 | 300.0 | 299.0 | 297.0 | 296.0 |
| 7.5° | 360.0 | 355.0 | 346.0 | 335.0 | 325.0 | 316.0 | 309.0 | 300.0 | 291.0 | 284.0 | 284.0 |
| 10° | 378.0 | 372.0 | 360.0 | 350.0 | 338.0 | 319.0 | 286.0 | 256.0 | 237.0 | 225.0 | 221.0 |
| 12.5° | 400.0 | 392.0 | 379.0 | 367.0 | 344.0 | 284.0 | 233.0 | 194.0 | 162.0 | 147.0 | 144.0 |
| 15° | 423.0 | 416.0 | 403.0 | 385.0 | 316.0 | 237.0 | 170.0 | 110.0 | 79.0 | 65.0 | 67.0 |
| 17.5° | 448.0 | 438.0 | 423.0 | 387.0 | 278.0 | 177.0 | 91.0 | 56.0 | 48.0 | 46.0 | 46.0 |
| 20° | 474.0 | 461.0 | 446.0 | 365.0 | 229.0 | 102.0 | 52.0 | 42.0 | 39.0 | 36.0 | 37.0 |
| 22.5° | 502.0 | 486.0 | 463.0 | 332.0 | 164.0 | 55.0 | 40.0 | 34.0 | 30.0 | 29.0 | 29.0 |
| 25° | 532.0 | 509.0 | 480.0 | 294.0 | 95.0 | 42.0 | 33.0 | 27.0 | 24.0 | 23.0 | 22.0 |
| 27.5° | 564.0 | 535.0 | 484.0 | 244.0 | 54.0 | 35.0 | 26.0 | 21.0 | 18.0 | 17.0 | 17.0 |
| 30° | 593.0 | 561.0 | 475.0 | 181.0 | 41.0 | 29.0 | 21.0 | 16.0 | 14.0 | 14.0 | 14.0 |
| 32.5° | 632.0 | 590.0 | 447.0 | 113.0 | 33.0 | 23.0 | 16.0 | 13.0 | 11.0 | 11.0 | 11.0 |
| 35° | 683.0 | 633.0 | 419.0 | 60.0 | 27.0 | 19.0 | 13.0 | 10.0 | 9.0 | 9.0 | 9.0 |
| 37.5° | 753.0 | 690.0 | 394.0 | 38.0 | 22.0 | 15.0 | 10.0 | 8.0 | 7.0 | 7.0 | 7.0 |
| 40° | 825.0 | 758.0 | 359.0 | 29.0 | 18.0 | 12.0 | 8.0 | 6.0 | 5.0 | 5.0 | 6.0 |
| 42.5° | 915.0 | 837.0 | 319.0 | 25.0 | 15.0 | 10.0 | 6.0 | 4.0 | 3.0 | 4.0 | 4.0 |
| 45° | 1006.0 | 920.0 | 263.0 | 21.0 | 13.0 | 8.0 | 4.0 | 2.0 | 2.0 | 3.0 | 3.0 |
| 47.5° | 1100.0 | 1008.0 | 204.0 | 18.0 | 11.0 | 6.0 | 3.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| 50° | 1197.0 | 1095.0 | 152.0 | 16.0 | 9.0 | 5.0 | 2.0 | 1.0 | 0.0 | 1.0 | 1.0 |
| 52.5° | 1294.0 | 1179.0 | 118.0 | 14.0 | 8.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 55° | 1384.0 | 1255.0 | 94.0 | 12.0 | 7.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 1460.0 | 1311.0 | 75.0 | 11.0 | 6.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1532.1 | 1355.0 | 58.0 | 9.0 | 5.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 1583.1 | 1372.0 | 47.0 | 8.0 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 64° | 1605.1 | 1374.0 | 41.0 | 7.0 | 4.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 1618.1 | 1368.0 | 38.0 | 7.0 | 4.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1621.1 | 1335.0 | 29.0 | 6.0 | 3.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 1533.1 | 1220.0 | 21.0 | 4.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1281.0 | 932.0 | 14.0 | 3.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 800.0 | 403.0 | 8.0 | 3.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 331.0 | 122.0 | 5.0 | 2.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 76.0 | 29.0 | 2.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 18.0 | 5.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 4.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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 |

(END OF REPORT)