

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: P595614

Luminaire Tested: **ISW-PA1C-730-U-T2R**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1C-730-U-T2R
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6136 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

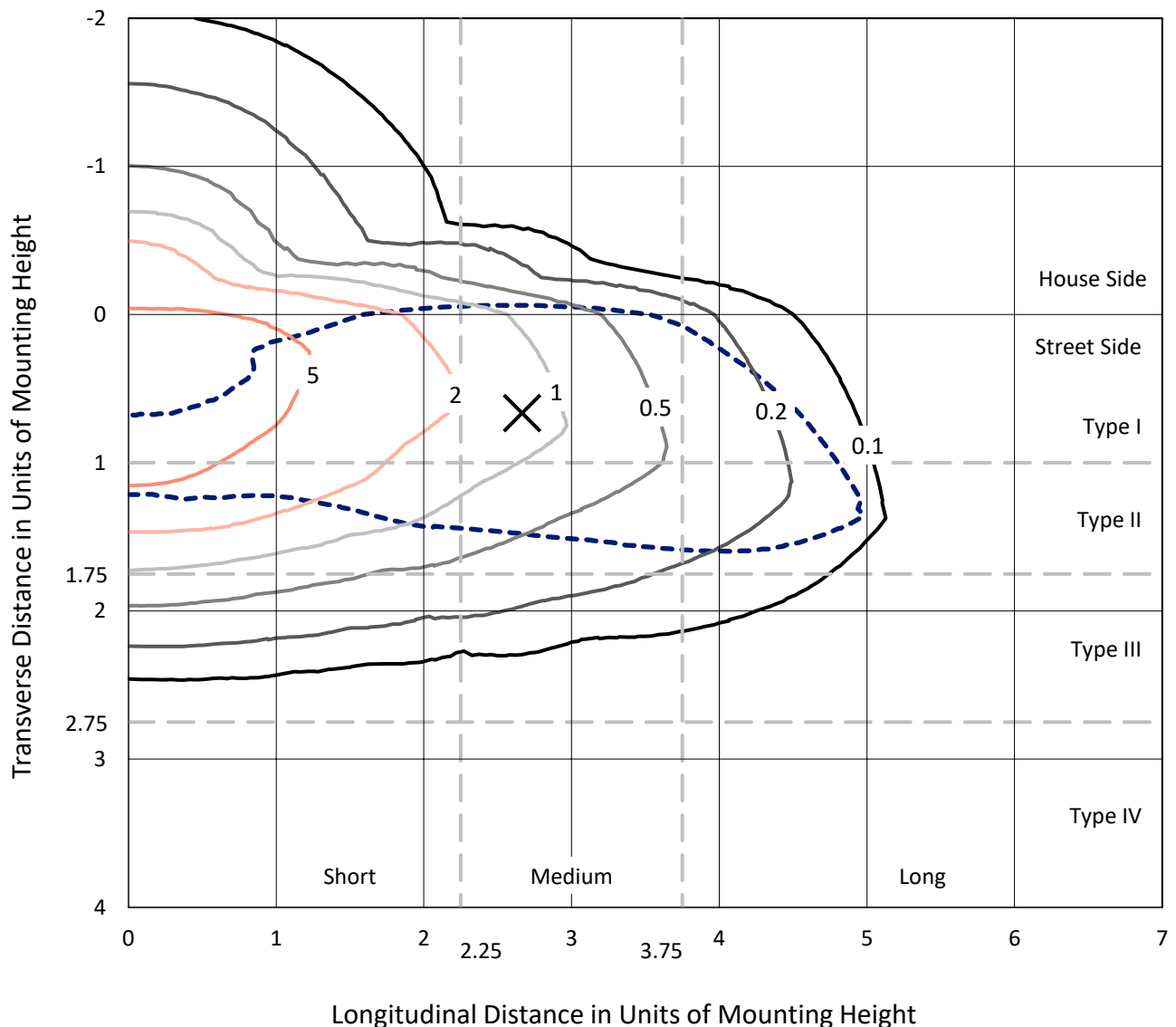
Input Watts (W): 48.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595614
 CATALOG NUMBER: ISW-PA1C-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

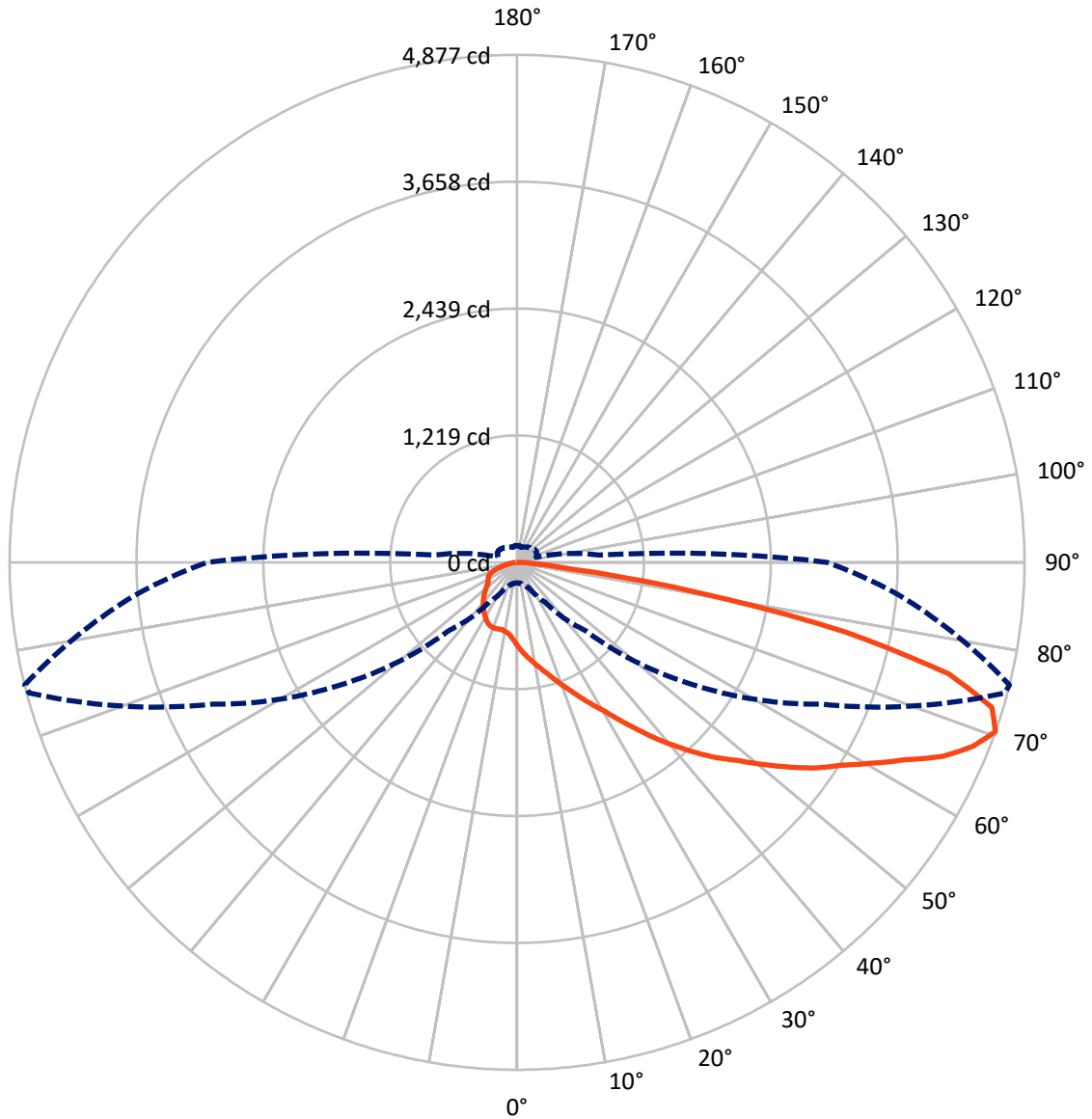
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P595614
CATALOG NUMBER: ISW-PA1C-730-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P595614
 CATALOG NUMBER: ISW-PA1C-730-U-T2R

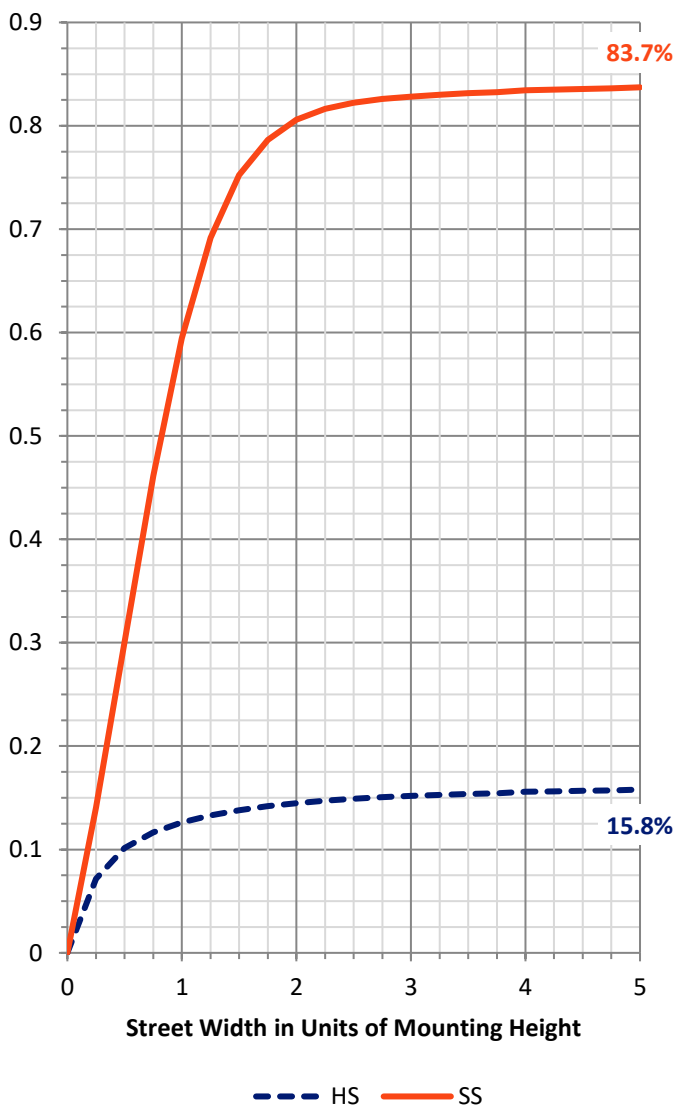
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 984.2 | 0.0 | 984.2 |
| | % Fixture | 16.0 | 0.0 | 16.0 |
| Street Side | Lumens | 5151.8 | 0.0 | 5151.8 |
| | % Fixture | 84.0 | 0.0 | 84.0 |
| Total | Lumens | 6136.0 | 0.0 | 6136.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.5 | 1.3 |
| 10°-20° | 258.9 | 4.2 |
| 20°-30° | 477.1 | 7.8 |
| 30°-40° | 799.3 | 13.0 |
| 40°-50° | 1135.8 | 18.5 |
| 50°-60° | 1311.4 | 21.4 |
| 60°-70° | 1205.5 | 19.6 |
| 70°-80° | 760.1 | 12.4 |
| 80°-90° | 109.3 | 1.8 |
| 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° | 6136.0 | 100.0 |
| 0°-180° | 6136.0 | 100.0 |

Coefficient of Utilization

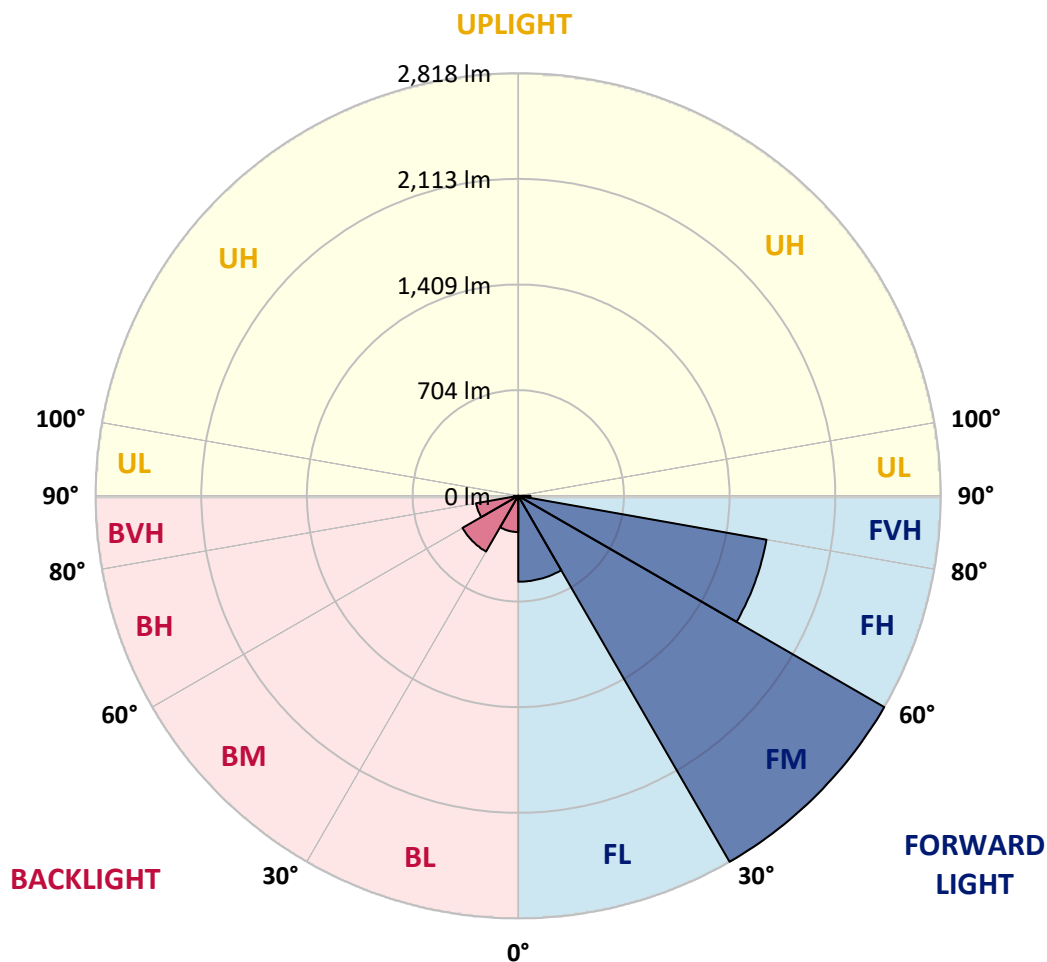


REPORT NUMBER: P595614
 CATALOG NUMBER: ISW-PA1C-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 572.9 | 9.3 | | | |
| FM (30°-60°) | 2817.5 | 45.9 | | | |
| FH (60°-80°) | 1680.4 | 27.4 | | | G1/1800 |
| FVH (80°-90°) | 81.0 | 1.3 | | | G1/100 |
| BL (0°-30°) | 241.6 | 3.9 | B1/500 | | |
| BM (30°-60°) | 429.1 | 7.0 | B1/1000 | | |
| BH (60°-80°) | 285.2 | 4.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 28.3 | 0.5 | | | G1/100 |
| 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 Medium





REPORT NUMBER: P595614
 CATALOG NUMBER: ISW-PA1C-730-U-T2R

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 |
| 2.5° | 968.9 | 967.4 | 963.0 | 955.6 | 949.7 | 932.0 | 908.3 | 887.7 | 856.6 | 853.7 | 822.7 |
| 5° | 1056.0 | 1050.1 | 1050.1 | 1042.7 | 1035.4 | 1016.2 | 986.6 | 949.7 | 905.4 | 902.4 | 843.4 |
| 7.5° | 1097.4 | 1098.9 | 1095.9 | 1090.0 | 1091.5 | 1075.2 | 1048.7 | 1011.7 | 951.2 | 948.2 | 871.4 |
| 10° | 1156.5 | 1155.0 | 1149.1 | 1144.7 | 1143.2 | 1128.4 | 1104.8 | 1070.8 | 1007.3 | 1001.4 | 903.9 |
| 12.5° | 1214.1 | 1209.6 | 1211.1 | 1209.6 | 1206.7 | 1191.9 | 1169.8 | 1135.8 | 1057.5 | 1054.6 | 943.8 |
| 15° | 1246.6 | 1245.1 | 1255.4 | 1258.4 | 1270.2 | 1256.9 | 1237.7 | 1199.3 | 1128.4 | 1116.6 | 991.1 |
| 17.5° | 1267.2 | 1265.8 | 1276.1 | 1299.7 | 1321.9 | 1321.9 | 1316.0 | 1274.6 | 1196.4 | 1187.5 | 1044.2 |
| 20° | 1302.7 | 1308.6 | 1326.3 | 1345.5 | 1378.0 | 1383.9 | 1382.4 | 1364.7 | 1274.6 | 1265.8 | 1103.3 |
| 22.5° | 1373.6 | 1370.6 | 1385.4 | 1414.9 | 1444.5 | 1453.3 | 1454.8 | 1454.8 | 1364.7 | 1348.5 | 1163.9 |
| 25° | 1525.7 | 1518.3 | 1506.5 | 1503.6 | 1539.0 | 1537.5 | 1533.1 | 1543.4 | 1459.3 | 1447.4 | 1233.3 |
| 27.5° | 1815.2 | 1799.0 | 1753.2 | 1661.6 | 1640.9 | 1648.3 | 1626.2 | 1627.6 | 1567.1 | 1552.3 | 1292.4 |
| 30° | 2089.9 | 2082.5 | 2039.7 | 1928.9 | 1812.2 | 1770.9 | 1732.5 | 1716.2 | 1686.7 | 1661.6 | 1355.9 |
| 32.5° | 2338.1 | 2339.5 | 2287.8 | 2166.7 | 2047.1 | 1917.1 | 1850.7 | 1816.7 | 1828.5 | 1806.3 | 1443.0 |
| 35° | 2506.4 | 2493.1 | 2460.6 | 2379.4 | 2249.4 | 2125.4 | 1998.3 | 1923.0 | 1986.5 | 1961.4 | 1530.1 |
| 37.5° | 2605.4 | 2595.0 | 2568.5 | 2510.9 | 2445.9 | 2326.2 | 2165.2 | 2050.0 | 2174.1 | 2137.2 | 1640.9 |
| 40° | 2655.6 | 2640.8 | 2614.2 | 2590.6 | 2559.6 | 2494.6 | 2352.8 | 2194.8 | 2345.4 | 2312.9 | 1750.2 |
| 42.5° | 2661.5 | 2651.2 | 2636.4 | 2624.6 | 2634.9 | 2626.1 | 2536.0 | 2363.2 | 2525.6 | 2490.2 | 1875.8 |
| 45° | 2657.1 | 2664.5 | 2646.7 | 2626.1 | 2646.7 | 2722.1 | 2722.1 | 2531.5 | 2704.3 | 2677.8 | 1995.4 |
| 47.5° | 2660.0 | 2652.6 | 2646.7 | 2640.8 | 2643.8 | 2747.2 | 2850.6 | 2689.6 | 2875.7 | 2844.7 | 2135.7 |
| 50° | 2537.4 | 2547.8 | 2598.0 | 2620.2 | 2633.4 | 2753.1 | 2954.0 | 2860.9 | 3088.4 | 3050.0 | 2292.3 |
| 52.5° | 2147.5 | 2153.4 | 2382.4 | 2547.8 | 2601.0 | 2729.5 | 3026.3 | 3051.4 | 3298.1 | 3268.5 | 2460.6 |
| 55° | 1654.2 | 1685.2 | 1902.3 | 2307.0 | 2527.1 | 2689.6 | 3048.5 | 3175.5 | 3512.2 | 3488.6 | 2630.5 |
| 57.5° | 1361.8 | 1366.2 | 1491.7 | 1853.6 | 2293.7 | 2652.6 | 3070.6 | 3289.2 | 3704.3 | 3677.7 | 2807.7 |
| 60° | 1129.9 | 1119.5 | 1196.4 | 1429.7 | 1905.3 | 2505.0 | 3075.1 | 3379.3 | 3927.3 | 3918.4 | 2990.9 |
| 62.5° | 830.1 | 841.9 | 915.7 | 1113.6 | 1490.3 | 2205.1 | 3052.9 | 3456.1 | 4193.1 | 4181.3 | 3194.7 |
| 65° | 509.6 | 524.3 | 614.4 | 796.1 | 1128.4 | 1750.2 | 2908.2 | 3496.0 | 4472.3 | 4498.9 | 3414.8 |
| 67.5° | 270.3 | 280.6 | 333.8 | 481.5 | 773.9 | 1333.7 | 2559.6 | 3445.8 | 4708.6 | 4720.4 | 3626.0 |
| 70° | 197.9 | 199.4 | 217.1 | 271.8 | 466.7 | 927.5 | 2038.2 | 3227.2 | 4853.3 | 4877.0 | 3695.4 |
| 72.5° | 172.8 | 174.3 | 181.7 | 195.0 | 254.0 | 565.7 | 1460.7 | 2846.1 | 4792.8 | 4772.1 | 3578.7 |
| 75° | 156.6 | 156.6 | 162.5 | 166.9 | 186.1 | 313.1 | 895.0 | 2329.2 | 4330.5 | 4284.7 | 3051.4 |
| 77.5° | 134.4 | 134.4 | 140.3 | 146.2 | 161.0 | 202.3 | 468.2 | 1726.6 | 3311.4 | 3233.1 | 2087.0 |
| 80° | 107.8 | 107.8 | 115.2 | 122.6 | 141.8 | 152.1 | 228.9 | 1155.0 | 1893.5 | 1778.3 | 949.7 |
| 82.5° | 73.8 | 79.8 | 93.0 | 101.9 | 118.2 | 107.8 | 134.4 | 499.2 | 596.7 | 516.9 | 214.2 |
| 85° | 44.3 | 47.3 | 66.5 | 76.8 | 88.6 | 57.6 | 82.7 | 192.0 | 178.7 | 156.6 | 48.7 |
| 87.5° | 4.4 | 7.4 | 26.6 | 31.0 | 31.0 | 16.2 | 35.4 | 45.8 | 51.7 | 53.2 | 11.8 |
| 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: P595614
 CATALOG NUMBER: ISW-PA1C-730-U-T2R

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 | 805.0 |
| 2.5° | 805.0 | 787.2 | 753.3 | 722.2 | 691.2 | 670.5 | 649.9 | 642.5 | 632.1 | 624.8 | 630.7 |
| 5° | 812.3 | 775.4 | 710.4 | 655.8 | 618.9 | 590.8 | 577.5 | 570.1 | 564.2 | 562.7 | 561.3 |
| 7.5° | 821.2 | 766.6 | 679.4 | 618.9 | 583.4 | 570.1 | 567.2 | 567.2 | 567.2 | 568.6 | 570.1 |
| 10° | 840.4 | 769.5 | 663.2 | 598.2 | 579.0 | 576.0 | 577.5 | 583.4 | 583.4 | 584.9 | 584.9 |
| 12.5° | 862.6 | 776.9 | 651.3 | 595.2 | 583.4 | 584.9 | 586.4 | 589.3 | 589.3 | 593.7 | 592.3 |
| 15° | 895.0 | 791.7 | 649.9 | 598.2 | 587.8 | 584.9 | 584.9 | 583.4 | 583.4 | 583.4 | 586.4 |
| 17.5° | 936.4 | 812.3 | 651.3 | 598.2 | 583.4 | 577.5 | 573.1 | 568.6 | 562.7 | 565.7 | 562.7 |
| 20° | 977.8 | 837.4 | 651.3 | 590.8 | 571.6 | 556.8 | 543.5 | 536.1 | 528.8 | 527.3 | 528.8 |
| 22.5° | 1029.5 | 867.0 | 644.0 | 574.5 | 546.5 | 525.8 | 506.6 | 496.3 | 484.4 | 480.0 | 477.1 |
| 25° | 1073.8 | 890.6 | 629.2 | 550.9 | 518.4 | 488.9 | 463.8 | 446.0 | 431.3 | 428.3 | 428.3 |
| 27.5° | 1119.5 | 911.3 | 607.0 | 521.4 | 478.5 | 446.0 | 418.0 | 395.8 | 381.1 | 379.6 | 378.1 |
| 30° | 1162.4 | 929.0 | 577.5 | 488.9 | 443.1 | 404.7 | 372.2 | 353.0 | 339.7 | 332.3 | 327.9 |
| 32.5° | 1218.5 | 952.6 | 549.4 | 456.4 | 401.7 | 363.3 | 333.8 | 317.5 | 299.8 | 288.0 | 283.6 |
| 35° | 1289.4 | 980.7 | 518.4 | 420.9 | 364.8 | 326.4 | 308.7 | 285.1 | 262.9 | 249.6 | 245.2 |
| 37.5° | 1369.2 | 1020.6 | 485.9 | 384.0 | 327.9 | 299.8 | 289.5 | 252.6 | 228.9 | 224.5 | 223.0 |
| 40° | 1468.1 | 1059.0 | 449.0 | 345.6 | 292.4 | 285.1 | 267.3 | 228.9 | 217.1 | 215.6 | 214.2 |
| 42.5° | 1567.1 | 1100.3 | 413.6 | 307.2 | 264.4 | 267.3 | 242.2 | 223.0 | 212.7 | 209.7 | 208.3 |
| 45° | 1682.3 | 1141.7 | 378.1 | 273.2 | 242.2 | 242.2 | 228.9 | 217.1 | 208.3 | 205.3 | 205.3 |
| 47.5° | 1803.4 | 1183.1 | 339.7 | 243.7 | 226.0 | 217.1 | 218.6 | 209.7 | 203.8 | 200.9 | 199.4 |
| 50° | 1955.5 | 1222.9 | 304.3 | 223.0 | 215.6 | 203.8 | 208.3 | 202.3 | 199.4 | 196.4 | 195.0 |
| 52.5° | 2098.8 | 1240.7 | 271.8 | 211.2 | 209.7 | 197.9 | 199.4 | 196.4 | 195.0 | 190.5 | 189.1 |
| 55° | 2239.1 | 1236.2 | 246.7 | 205.3 | 202.3 | 196.4 | 193.5 | 192.0 | 190.5 | 186.1 | 184.6 |
| 57.5° | 2395.7 | 1230.3 | 230.4 | 203.8 | 197.9 | 192.0 | 192.0 | 187.6 | 181.7 | 181.7 | 181.7 |
| 60° | 2558.1 | 1211.1 | 223.0 | 203.8 | 196.4 | 192.0 | 189.1 | 184.6 | 178.7 | 180.2 | 178.7 |
| 62.5° | 2741.3 | 1174.2 | 218.6 | 208.3 | 197.9 | 190.5 | 187.6 | 181.7 | 174.3 | 175.8 | 174.3 |
| 65° | 2902.3 | 1098.9 | 215.6 | 212.7 | 200.9 | 192.0 | 184.6 | 177.2 | 168.4 | 169.9 | 168.4 |
| 67.5° | 3011.6 | 971.8 | 206.8 | 215.6 | 205.3 | 190.5 | 181.7 | 171.3 | 159.5 | 165.4 | 163.9 |
| 70° | 2980.5 | 790.2 | 190.5 | 209.7 | 209.7 | 192.0 | 177.2 | 163.9 | 150.7 | 162.5 | 158.0 |
| 72.5° | 2739.8 | 593.7 | 159.5 | 189.1 | 206.8 | 192.0 | 168.4 | 152.1 | 140.3 | 147.7 | 138.8 |
| 75° | 2249.4 | 403.2 | 127.0 | 150.7 | 193.5 | 193.5 | 161.0 | 140.3 | 125.5 | 121.1 | 118.2 |
| 77.5° | 1403.1 | 251.1 | 99.0 | 110.8 | 162.5 | 192.0 | 153.6 | 125.5 | 104.9 | 101.9 | 99.0 |
| 80° | 555.3 | 134.4 | 78.3 | 79.8 | 119.6 | 175.8 | 143.3 | 106.3 | 84.2 | 81.2 | 75.3 |
| 82.5° | 127.0 | 67.9 | 54.6 | 53.2 | 73.8 | 143.3 | 130.0 | 84.2 | 65.0 | 65.0 | 54.6 |
| 85° | 38.4 | 35.4 | 35.4 | 34.0 | 36.9 | 73.8 | 100.4 | 57.6 | 44.3 | 31.0 | 26.6 |
| 87.5° | 10.3 | 14.8 | 13.3 | 11.8 | 11.8 | 10.3 | 32.5 | 14.8 | 8.9 | 4.4 | 3.0 |
| 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)