

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: P595535

Luminaire Tested: **ISW-PA1B-730-U-T2U**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1B-730-U-T2U
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4710 lumens
Efficiency: N/A
Efficacy: 129.4 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

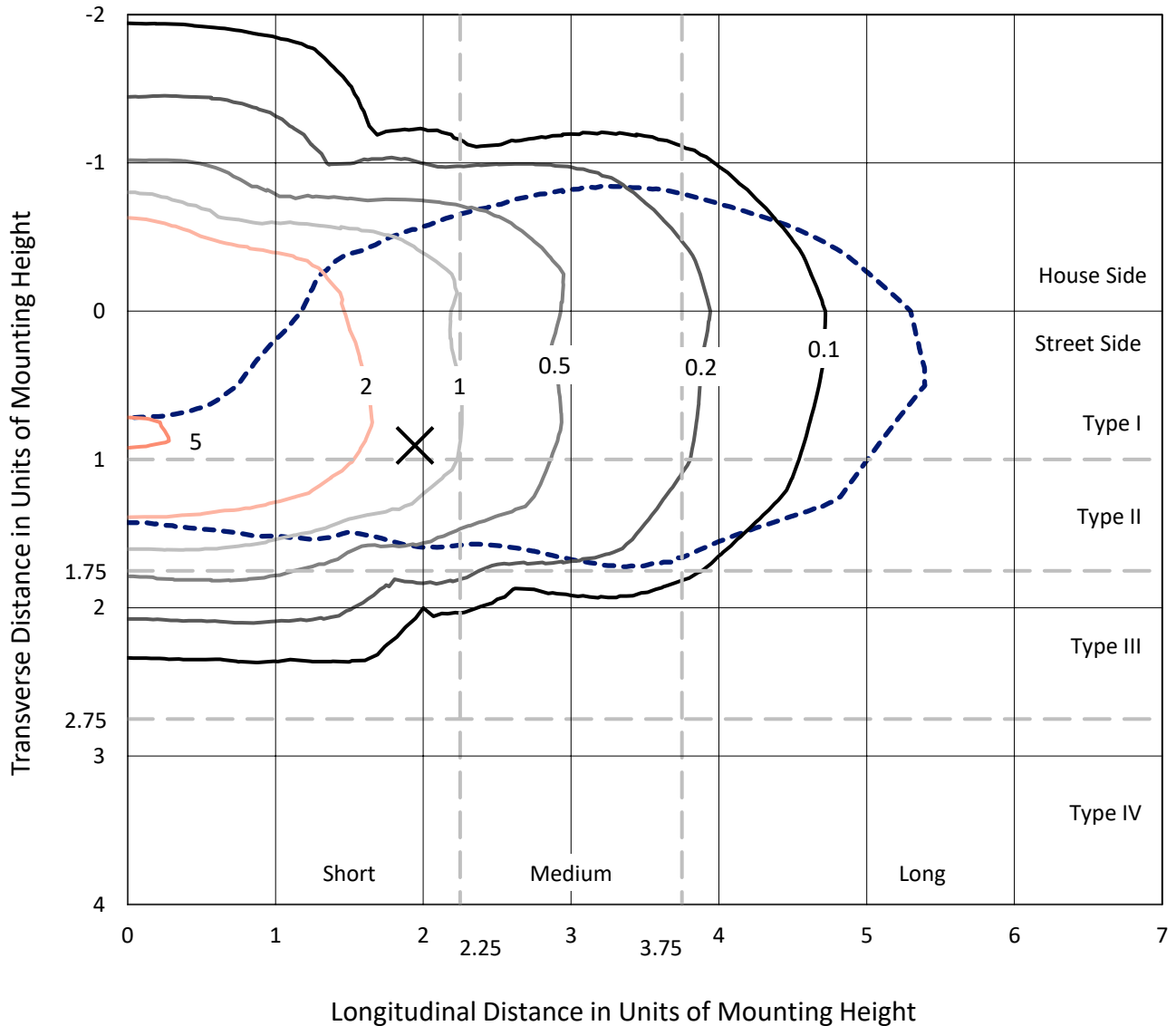
Input Watts (W): 36.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595535
 CATALOG NUMBER: ISW-PA1B-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

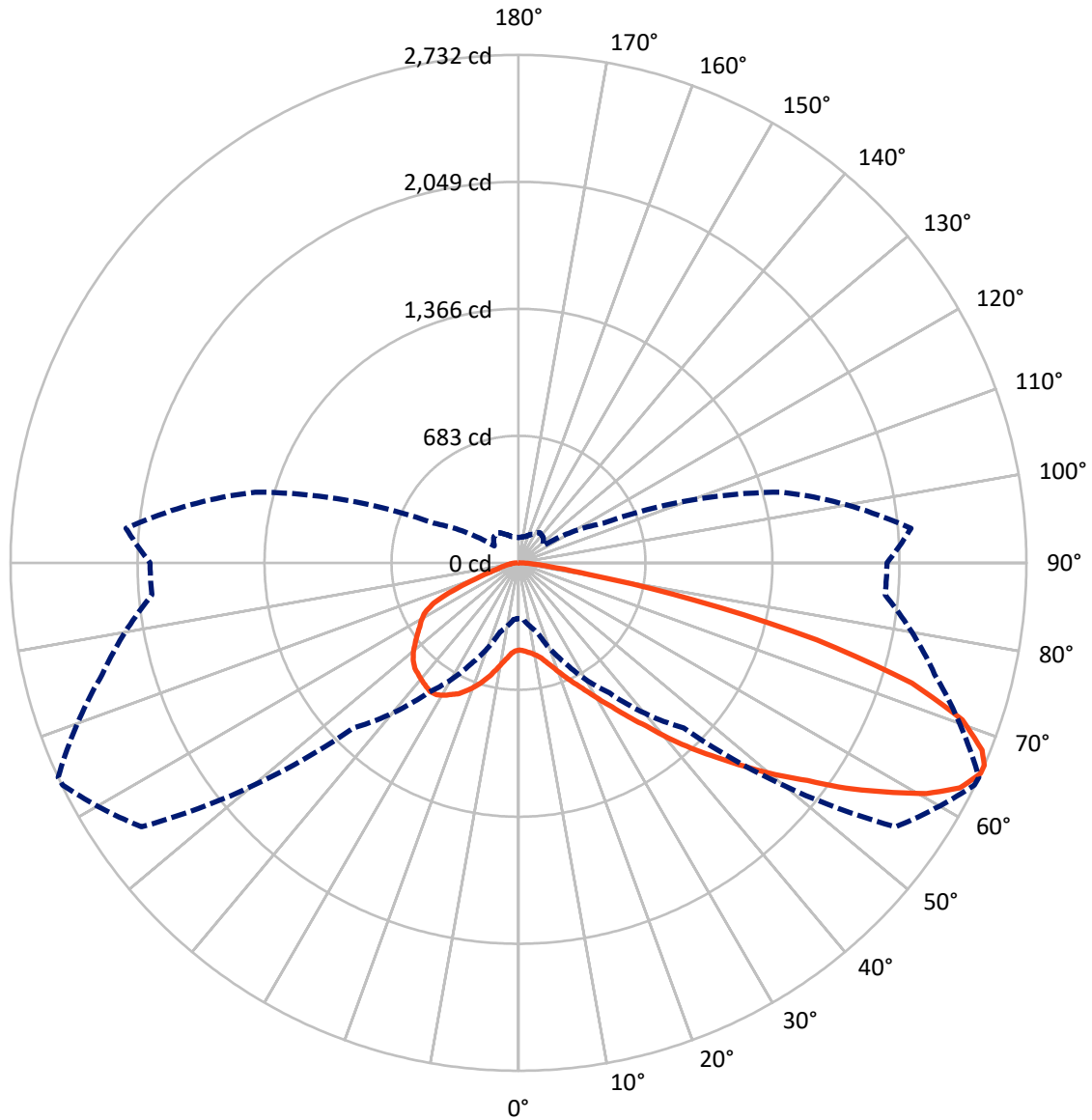
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

REPORT NUMBER: P595535
CATALOG NUMBER: ISW-PA1B-730-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P595535
 CATALOG NUMBER: ISW-PA1B-730-U-T2U

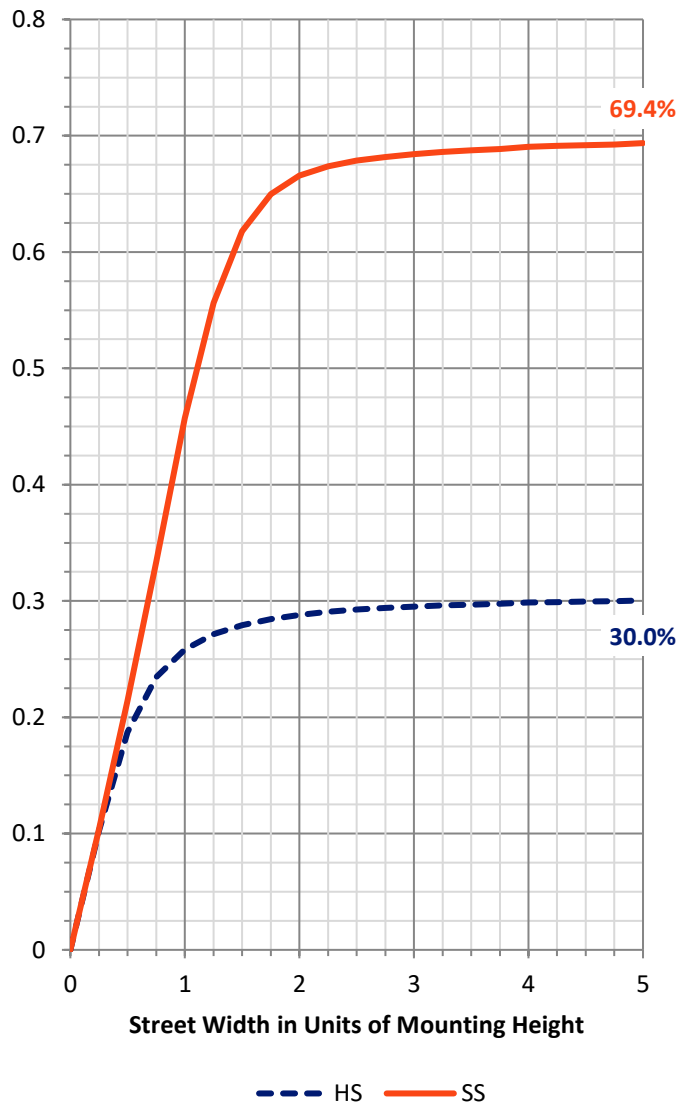
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1430.1 | 0.0 | 1430.1 |
| | % Fixture | 30.4 | 0.0 | 30.4 |
| Street Side | Lumens | 3279.9 | 0.0 | 3279.9 |
| | % Fixture | 69.6 | 0.0 | 69.6 |
| Total | Lumens | 4710.0 | 0.0 | 4710.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.9 | 1.0 |
| 10°-20° | 166.9 | 3.5 |
| 20°-30° | 326.9 | 6.9 |
| 30°-40° | 534.2 | 11.3 |
| 40°-50° | 847.9 | 18.0 |
| 50°-60° | 1090.5 | 23.2 |
| 60°-70° | 983.5 | 20.9 |
| 70°-80° | 610.0 | 13.0 |
| 80°-90° | 102.2 | 2.2 |
| 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° | 4710.0 | 100.0 |
| 0°-180° | 4710.0 | 100.0 |

Coefficient of Utilization

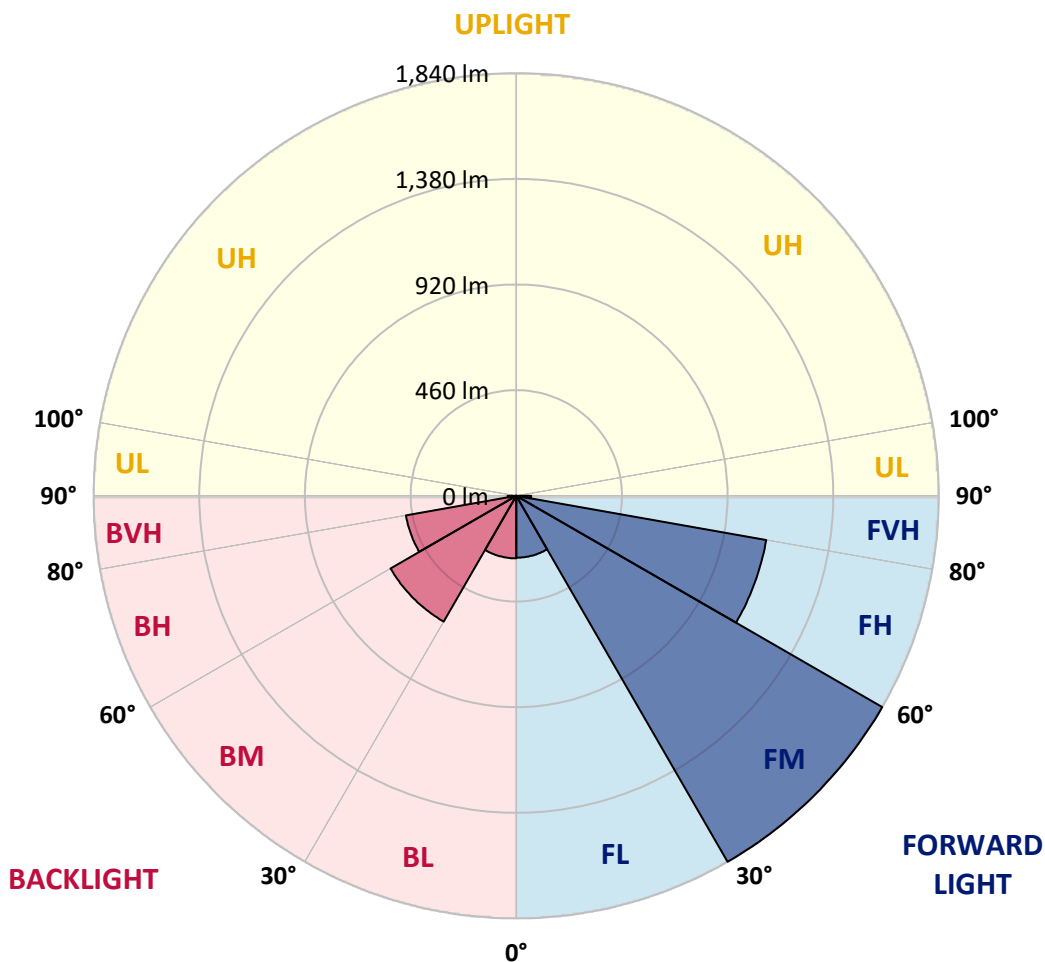


REPORT NUMBER: P595535
 CATALOG NUMBER: ISW-PA1B-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 269.3 | 5.7 | | | |
| FM (30°-60°) | 1840.4 | 39.1 | | | |
| FH (60°-80°) | 1105.4 | 23.5 | | | G1/1800 |
| FVH (80°-90°) | 64.6 | 1.4 | | | G1/100 |
| BL (0°-30°) | 272.4 | 5.8 | B1/500 | | |
| BM (30°-60°) | 632.2 | 13.4 | B1/1000 | | |
| BH (60°-80°) | 488.0 | 10.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 37.5 | 0.8 | | | 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 Short





REPORT NUMBER: P595535
 CATALOG NUMBER: ISW-PA1B-730-U-T2U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 |
| 2.5° | 470.6 | 471.8 | 472.9 | 470.6 | 472.9 | 474.0 | 471.8 | 471.8 | 472.9 | 470.6 | 470.6 |
| 5° | 467.2 | 468.3 | 470.6 | 471.8 | 476.3 | 478.6 | 479.8 | 479.8 | 480.9 | 479.8 | 480.9 |
| 7.5° | 458.1 | 458.1 | 462.6 | 464.9 | 471.8 | 479.8 | 484.3 | 491.2 | 491.2 | 492.3 | 495.7 |
| 10° | 467.2 | 467.2 | 470.6 | 474.0 | 479.8 | 486.6 | 493.5 | 501.5 | 503.7 | 511.7 | 516.3 |
| 12.5° | 480.9 | 483.2 | 487.8 | 492.3 | 499.2 | 507.2 | 512.9 | 520.9 | 522.0 | 530.0 | 539.2 |
| 15° | 503.7 | 506.0 | 508.3 | 514.0 | 523.2 | 533.4 | 543.7 | 549.4 | 551.7 | 556.3 | 563.1 |
| 17.5° | 538.0 | 540.3 | 541.4 | 544.9 | 551.7 | 565.4 | 580.3 | 584.8 | 587.1 | 587.1 | 592.8 |
| 20° | 596.3 | 595.1 | 592.8 | 586.0 | 586.0 | 598.6 | 619.1 | 627.1 | 629.4 | 624.8 | 621.4 |
| 22.5° | 663.7 | 662.5 | 653.4 | 645.4 | 639.7 | 642.0 | 662.5 | 676.2 | 675.1 | 665.9 | 652.2 |
| 25° | 751.6 | 753.9 | 739.1 | 718.5 | 701.4 | 696.8 | 709.4 | 723.1 | 725.3 | 708.2 | 685.4 |
| 27.5° | 856.7 | 853.3 | 845.3 | 812.2 | 779.0 | 758.5 | 765.3 | 780.2 | 781.3 | 763.0 | 726.5 |
| 30° | 980.1 | 974.4 | 953.8 | 919.5 | 868.1 | 839.6 | 833.9 | 846.4 | 849.9 | 819.0 | 766.5 |
| 32.5° | 1117.1 | 1111.4 | 1085.2 | 1032.6 | 976.6 | 928.7 | 910.4 | 927.5 | 925.2 | 889.8 | 816.7 |
| 35° | 1282.8 | 1281.6 | 1233.7 | 1168.5 | 1097.7 | 1033.8 | 1008.6 | 1008.6 | 1015.5 | 962.9 | 880.7 |
| 37.5° | 1504.4 | 1513.5 | 1442.7 | 1341.0 | 1241.7 | 1156.0 | 1113.7 | 1111.4 | 1112.6 | 1055.5 | 952.7 |
| 40° | 1704.3 | 1700.8 | 1659.7 | 1564.9 | 1419.8 | 1310.2 | 1247.4 | 1233.7 | 1237.1 | 1164.0 | 1046.3 |
| 42.5° | 1819.6 | 1823.1 | 1812.8 | 1771.7 | 1644.9 | 1506.7 | 1399.3 | 1362.7 | 1363.9 | 1272.5 | 1135.4 |
| 45° | 1891.6 | 1895.0 | 1893.9 | 1914.5 | 1864.2 | 1734.0 | 1580.9 | 1496.4 | 1491.8 | 1395.9 | 1240.5 |
| 47.5° | 1932.7 | 1935.0 | 1949.9 | 1992.1 | 2033.2 | 2003.5 | 1781.9 | 1644.9 | 1635.7 | 1511.2 | 1345.6 |
| 50° | 1887.0 | 1888.2 | 1947.6 | 2048.1 | 2148.6 | 2238.9 | 1987.6 | 1792.2 | 1789.9 | 1639.2 | 1448.4 |
| 52.5° | 1647.2 | 1667.7 | 1799.1 | 2009.3 | 2234.3 | 2405.6 | 2225.2 | 1965.9 | 1946.4 | 1760.2 | 1551.2 |
| 55° | 1344.5 | 1353.6 | 1504.4 | 1771.7 | 2218.3 | 2508.4 | 2404.5 | 2153.2 | 2139.5 | 1895.0 | 1651.7 |
| 57.5° | 1049.8 | 1058.9 | 1238.2 | 1461.0 | 1973.9 | 2502.7 | 2531.3 | 2355.4 | 2324.5 | 2012.7 | 1752.2 |
| 60° | 677.4 | 705.9 | 913.8 | 1188.0 | 1598.0 | 2329.1 | 2595.2 | 2549.6 | 2521.0 | 2129.2 | 1837.9 |
| 62.5° | 460.3 | 464.9 | 595.1 | 880.7 | 1196.0 | 1892.7 | 2590.7 | 2669.5 | 2664.9 | 2245.7 | 1923.6 |
| 65° | 299.3 | 306.1 | 384.9 | 596.3 | 855.6 | 1256.5 | 2476.5 | 2727.8 | 2732.3 | 2317.7 | 1979.6 |
| 66° | 253.6 | 258.2 | 318.7 | 501.5 | 749.3 | 996.1 | 2375.9 | 2723.2 | 2732.3 | 2350.8 | 1996.7 |
| 67.5° | 220.5 | 223.9 | 254.7 | 370.1 | 612.3 | 716.2 | 2114.4 | 2662.6 | 2688.9 | 2381.6 | 2018.4 |
| 70° | 189.6 | 194.2 | 222.7 | 252.4 | 437.5 | 418.1 | 1338.7 | 2507.3 | 2533.6 | 2396.5 | 2032.1 |
| 72.5° | 156.5 | 159.9 | 188.5 | 228.5 | 317.6 | 281.0 | 590.6 | 2146.3 | 2212.6 | 2341.7 | 2010.4 |
| 75° | 123.4 | 125.7 | 151.9 | 190.8 | 243.3 | 219.3 | 257.0 | 1574.1 | 1657.4 | 2064.1 | 1925.9 |
| 77.5° | 96.0 | 97.1 | 117.7 | 148.5 | 222.7 | 170.2 | 158.8 | 766.5 | 969.8 | 1594.6 | 1696.3 |
| 80° | 66.3 | 68.5 | 86.8 | 111.9 | 163.3 | 134.8 | 106.2 | 299.3 | 380.4 | 1058.9 | 1286.2 |
| 82.5° | 43.4 | 44.5 | 59.4 | 84.5 | 108.5 | 129.1 | 69.7 | 145.1 | 159.9 | 487.8 | 557.4 |
| 85° | 29.7 | 29.7 | 42.3 | 52.5 | 74.2 | 85.7 | 45.7 | 76.5 | 83.4 | 185.0 | 67.4 |
| 87.5° | 14.8 | 14.8 | 20.6 | 27.4 | 35.4 | 33.1 | 27.4 | 27.4 | 27.4 | 60.5 | 19.4 |
| 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: P595535
 CATALOG NUMBER: ISW-PA1B-730-U-T2U

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 | 469.5 |
| 2.5° | 471.8 | 471.8 | 472.9 | 474.0 | 475.2 | 475.2 | 476.3 | 476.3 | 475.2 | 476.3 | 477.5 |
| 5° | 482.0 | 483.2 | 485.5 | 488.9 | 494.6 | 500.3 | 506.0 | 509.5 | 512.9 | 514.0 | 511.7 |
| 7.5° | 498.0 | 500.3 | 508.3 | 517.5 | 526.6 | 540.3 | 548.3 | 552.9 | 555.1 | 557.4 | 555.1 |
| 10° | 518.6 | 523.2 | 534.6 | 550.6 | 566.6 | 583.7 | 592.8 | 599.7 | 600.8 | 603.1 | 600.8 |
| 12.5° | 542.6 | 550.6 | 567.7 | 590.6 | 610.0 | 627.1 | 634.0 | 629.4 | 619.1 | 614.5 | 613.4 |
| 15° | 571.1 | 579.1 | 603.1 | 631.7 | 654.5 | 662.5 | 652.2 | 637.4 | 626.0 | 624.8 | 623.7 |
| 17.5° | 596.3 | 607.7 | 640.8 | 670.5 | 692.2 | 684.2 | 656.8 | 647.7 | 644.2 | 648.8 | 647.7 |
| 20° | 628.3 | 637.4 | 670.5 | 707.1 | 718.5 | 687.6 | 668.2 | 662.5 | 659.1 | 659.1 | 656.8 |
| 22.5° | 654.5 | 661.4 | 701.4 | 741.3 | 734.5 | 689.9 | 676.2 | 664.8 | 653.4 | 652.2 | 648.8 |
| 25° | 685.4 | 687.6 | 729.9 | 773.3 | 736.8 | 692.2 | 668.2 | 648.8 | 637.4 | 634.0 | 635.1 |
| 27.5° | 713.9 | 719.6 | 756.2 | 795.0 | 731.1 | 679.7 | 640.8 | 615.7 | 598.6 | 597.4 | 597.4 |
| 30° | 750.5 | 750.5 | 783.6 | 819.0 | 718.5 | 647.7 | 596.3 | 559.7 | 546.0 | 544.9 | 542.6 |
| 32.5° | 791.6 | 784.7 | 816.7 | 836.1 | 691.1 | 604.3 | 535.7 | 494.6 | 472.9 | 468.3 | 464.9 |
| 35° | 848.7 | 833.9 | 856.7 | 839.6 | 663.7 | 542.6 | 459.2 | 412.4 | 396.4 | 389.5 | 389.5 |
| 37.5° | 915.0 | 893.3 | 917.2 | 829.3 | 621.4 | 470.6 | 379.2 | 343.8 | 326.7 | 316.4 | 319.8 |
| 40° | 992.6 | 965.2 | 978.9 | 817.9 | 575.7 | 390.7 | 313.0 | 291.3 | 270.7 | 257.0 | 257.0 |
| 42.5° | 1084.0 | 1038.3 | 1048.6 | 806.4 | 510.6 | 321.0 | 270.7 | 255.9 | 239.9 | 226.2 | 229.6 |
| 45° | 1172.0 | 1127.4 | 1117.1 | 795.0 | 442.1 | 274.1 | 253.6 | 243.3 | 228.5 | 212.5 | 212.5 |
| 47.5° | 1273.6 | 1216.5 | 1177.7 | 774.5 | 374.7 | 259.3 | 258.2 | 243.3 | 214.7 | 191.9 | 189.6 |
| 50° | 1369.6 | 1317.0 | 1232.5 | 743.6 | 337.0 | 271.9 | 257.0 | 221.6 | 194.2 | 179.3 | 178.2 |
| 52.5° | 1471.2 | 1416.4 | 1277.1 | 705.9 | 317.6 | 266.1 | 236.5 | 203.3 | 182.8 | 167.9 | 164.5 |
| 55° | 1571.8 | 1543.2 | 1317.0 | 669.4 | 286.7 | 247.9 | 219.3 | 191.9 | 170.2 | 156.5 | 154.2 |
| 57.5° | 1686.0 | 1674.6 | 1351.3 | 632.8 | 238.7 | 225.0 | 206.8 | 183.9 | 163.3 | 153.1 | 151.9 |
| 60° | 1785.4 | 1825.4 | 1392.4 | 605.4 | 203.3 | 207.9 | 201.0 | 182.8 | 167.9 | 156.5 | 156.5 |
| 62.5° | 1890.5 | 1970.4 | 1429.0 | 570.0 | 177.1 | 197.6 | 202.2 | 181.6 | 162.2 | 151.9 | 151.9 |
| 65° | 1981.8 | 2118.9 | 1466.7 | 504.9 | 158.8 | 189.6 | 198.8 | 169.1 | 146.2 | 138.2 | 135.9 |
| 66° | 2020.7 | 2161.2 | 1478.1 | 464.9 | 151.9 | 183.9 | 193.0 | 162.2 | 139.4 | 132.5 | 131.4 |
| 67.5° | 2066.4 | 2227.4 | 1491.8 | 379.2 | 141.6 | 171.3 | 180.5 | 151.9 | 127.9 | 123.4 | 121.1 |
| 70° | 2130.3 | 2241.1 | 1483.8 | 247.9 | 123.4 | 147.4 | 161.1 | 135.9 | 114.2 | 110.8 | 107.4 |
| 72.5° | 2137.2 | 2147.5 | 1403.9 | 156.5 | 107.4 | 126.8 | 141.6 | 122.2 | 100.5 | 97.1 | 94.8 |
| 75° | 2024.1 | 1903.0 | 1188.0 | 111.9 | 94.8 | 111.9 | 124.5 | 106.2 | 83.4 | 78.8 | 76.5 |
| 77.5° | 1728.3 | 1510.1 | 854.4 | 83.4 | 82.2 | 96.0 | 103.9 | 92.5 | 69.7 | 66.3 | 65.1 |
| 80° | 1213.1 | 1024.6 | 428.4 | 62.8 | 65.1 | 80.0 | 86.8 | 77.7 | 58.3 | 53.7 | 51.4 |
| 82.5° | 491.2 | 435.2 | 147.4 | 46.8 | 49.1 | 60.5 | 74.2 | 64.0 | 44.5 | 38.8 | 34.3 |
| 85° | 56.0 | 94.8 | 64.0 | 32.0 | 33.1 | 41.1 | 50.3 | 38.8 | 26.3 | 21.7 | 18.3 |
| 87.5° | 11.4 | 20.6 | 22.8 | 12.6 | 11.4 | 16.0 | 22.8 | 13.7 | 9.1 | 3.4 | 4.6 |
| 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)