

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: INVUE

Report Number: P677412

Luminaire Tested: **CCW-SA-2C-730-U-SLR-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P677412  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-730-U-SLR-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
SLR distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

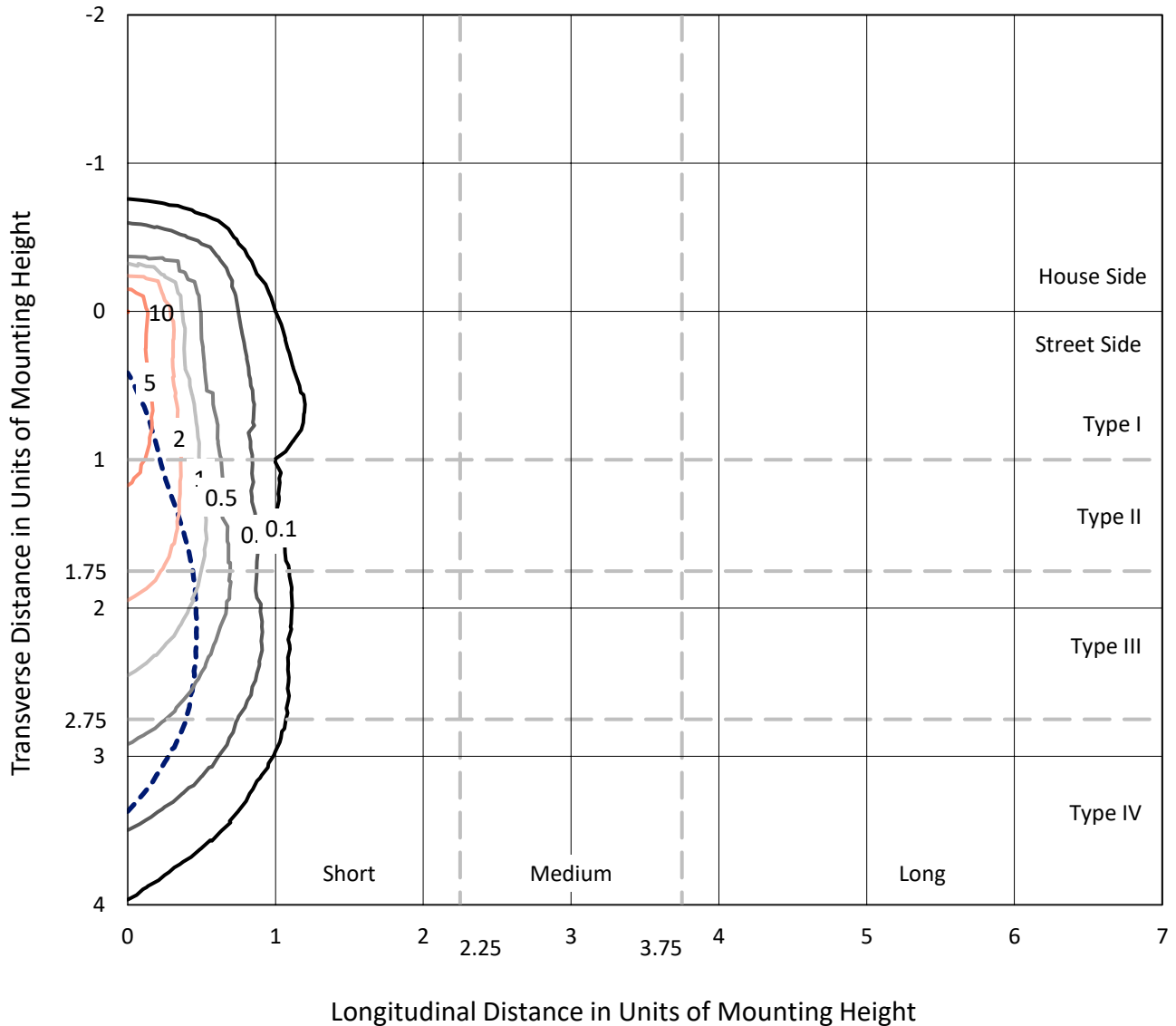
Lumens per Lamp: N/A  
Luminaire Lumens: 5916.7 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P677412  
 CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

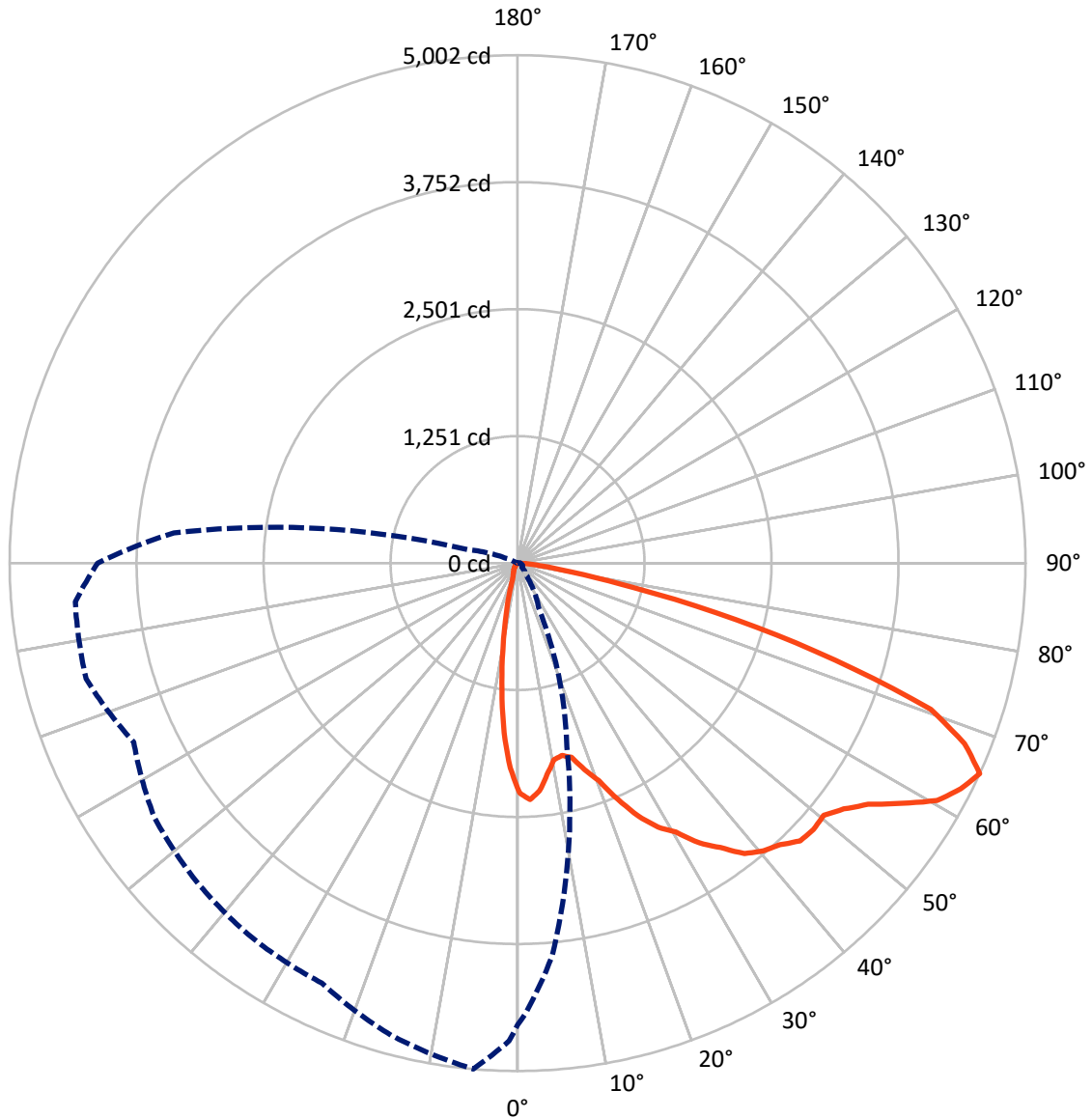
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P677412  
CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P677412  
 CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 768.2    | 0.0    | 768.2  |
|                    | % Fixture | 13.0     | 0.0    | 13.0   |
| <b>Street Side</b> | Lumens    | 5148.4   | 0.0    | 5148.4 |
|                    | % Fixture | 87.0     | 0.0    | 87.0   |
| <b>Total</b>       | Lumens    | 5916.7   | 0.0    | 5916.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 171.3  | 2.9       |
| 10°-20°   | 331.8  | 5.6       |
| 20°-30°   | 462.1  | 7.8       |
| 30°-40°   | 656.6  | 11.1      |
| 40°-50°   | 910.5  | 15.4      |
| 50°-60°   | 1240.6 | 21.0      |
| 60°-70°   | 1363.9 | 23.1      |
| 70°-80°   | 670.4  | 11.3      |
| 80°-90°   | 109.5  | 1.9       |
| 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°    | 5916.7 | 100.0     |
| 0°-180°   | 5916.7 | 100.0     |



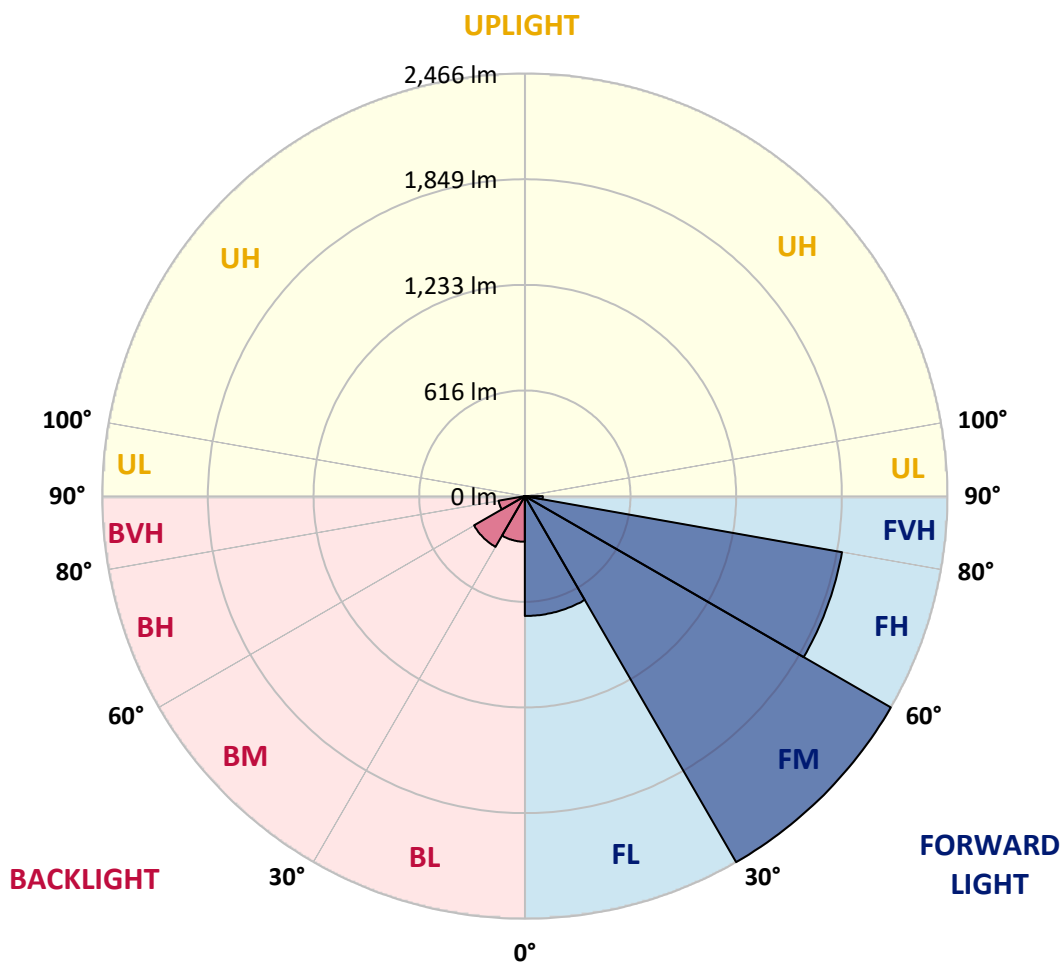
REPORT NUMBER: P677412  
 CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 699.2  | 11.8      |                         |      |         |
| FM (30°-60°)   | 2465.6 | 41.7      |                         |      |         |
| FH (60°-80°)   | 1879.0 | 31.8      |                         |      | G2/5000 |
| FVH (80°-90°)  | 104.5  | 1.8       |                         |      | G2/225  |
| BL (0°-30°)    | 266.0  | 4.5       | B1/500                  |      |         |
| BM (30°-60°)   | 342.0  | 5.8       | B1/1000                 |      |         |
| BH (60°-80°)   | 155.3  | 2.6       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 4.9    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P677412

CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 |
| 2.5°  | 2308.2 | 2335.3 | 2309.8 | 2220.5 | 2204.5 | 2161.4 | 2096.0 | 2091.2 | 2022.7 | 2030.6 | 1993.9 |
| 5°    | 2169.4 | 2196.5 | 2142.3 | 2024.3 | 1914.2 | 1826.5 | 1773.8 | 1679.7 | 1659.0 | 1612.7 | 1612.7 |
| 7.5°  | 2027.4 | 2025.8 | 1933.3 | 1834.4 | 1670.1 | 1509.0 | 1435.6 | 1300.1 | 1220.3 | 1177.2 | 1135.8 |
| 10°   | 1909.4 | 1883.9 | 1826.5 | 1622.3 | 1443.6 | 1276.1 | 1185.2 | 1095.9 | 1012.9 | 941.1  | 869.4  |
| 12.5° | 1826.5 | 1842.4 | 1751.5 | 1529.8 | 1298.5 | 1182.0 | 1084.7 | 990.6  | 891.7  | 810.3  | 730.6  |
| 15°   | 1869.5 | 1844.0 | 1737.1 | 1509.0 | 1274.5 | 1115.0 | 985.8  | 871.0  | 760.9  | 654.0  | 593.4  |
| 17.5° | 2003.5 | 1938.1 | 1812.1 | 1509.0 | 1225.1 | 1012.9 | 856.6  | 721.0  | 603.0  | 507.3  | 432.3  |
| 20°   | 2183.8 | 2108.8 | 1973.2 | 1564.8 | 1188.4 | 938.0  | 724.2  | 553.5  | 430.7  | 341.4  | 283.9  |
| 22.5° | 2368.8 | 2309.8 | 2105.6 | 1587.2 | 1145.3 | 837.5  | 571.1  | 400.4  | 287.1  | 229.7  | 201.0  |
| 25°   | 2590.5 | 2507.6 | 2284.3 | 1676.5 | 1081.5 | 740.2  | 449.8  | 279.2  | 213.8  | 183.4  | 165.9  |
| 27.5° | 2767.6 | 2753.2 | 2451.8 | 1730.7 | 1033.7 | 660.4  | 355.7  | 221.7  | 177.1  | 154.7  | 143.6  |
| 30°   | 2990.9 | 2912.8 | 2655.9 | 1839.2 | 979.4  | 569.5  | 296.7  | 199.4  | 162.7  | 138.8  | 130.8  |
| 32.5° | 3124.9 | 3088.2 | 2762.8 | 1899.8 | 918.8  | 494.5  | 255.2  | 175.5  | 148.3  | 130.8  | 122.8  |
| 35°   | 3319.5 | 3246.1 | 2915.9 | 1938.1 | 886.9  | 451.4  | 229.7  | 159.5  | 124.4  | 106.9  | 97.3   |
| 37.5° | 3536.5 | 3509.3 | 3099.4 | 1936.5 | 840.6  | 425.9  | 212.2  | 148.3  | 118.0  | 98.9   | 87.7   |
| 40°   | 3758.2 | 3648.1 | 3211.0 | 1981.2 | 816.7  | 406.8  | 199.4  | 142.0  | 111.7  | 94.1   | 79.8   |
| 42.5° | 3924.1 | 3798.1 | 3340.3 | 1965.2 | 788.0  | 373.3  | 194.6  | 132.4  | 106.9  | 86.1   | 73.4   |
| 45°   | 3968.7 | 3924.1 | 3456.7 | 1960.4 | 767.3  | 346.1  | 186.6  | 130.8  | 103.7  | 81.4   | 68.6   |
| 47.5° | 4054.9 | 4024.6 | 3600.3 | 1968.4 | 751.3  | 325.4  | 167.5  | 134.0  | 98.9   | 76.6   | 65.4   |
| 50°   | 4093.2 | 4038.9 | 3716.7 | 1987.6 | 714.6  | 299.9  | 149.9  | 140.4  | 97.3   | 75.0   | 62.2   |
| 52.5° | 4251.1 | 4203.2 | 3876.2 | 2041.8 | 684.3  | 266.4  | 132.4  | 134.0  | 100.5  | 70.2   | 59.0   |
| 55°   | 4405.8 | 4351.6 | 4121.9 | 2166.2 | 641.3  | 239.3  | 113.3  | 118.0  | 95.7   | 63.8   | 52.6   |
| 57.5° | 4618.0 | 4528.6 | 4286.2 | 2217.3 | 603.0  | 202.6  | 100.5  | 97.3   | 89.3   | 57.4   | 46.3   |
| 60°   | 4649.9 | 4686.6 | 4262.3 | 2185.4 | 563.1  | 178.7  | 87.7   | 75.0   | 95.7   | 51.0   | 39.9   |
| 62.5° | 4756.8 | 4603.6 | 4150.6 | 2112.0 | 534.4  | 164.3  | 78.2   | 62.2   | 82.9   | 44.7   | 33.5   |
| 65°   | 4551.0 | 4437.7 | 3889.0 | 1875.9 | 497.7  | 165.9  | 68.6   | 51.0   | 52.6   | 36.7   | 27.1   |
| 67.5° | 4249.5 | 4160.2 | 3455.1 | 1619.1 | 461.0  | 162.7  | 60.6   | 44.7   | 39.9   | 31.9   | 23.9   |
| 70°   | 3729.5 | 3536.5 | 2935.1 | 1314.4 | 406.8  | 151.5  | 51.0   | 39.9   | 33.5   | 25.5   | 17.5   |
| 72.5° | 2713.4 | 2635.2 | 2105.6 | 1016.1 | 365.3  | 137.2  | 47.9   | 33.5   | 28.7   | 19.1   | 14.4   |
| 75°   | 1826.5 | 1697.2 | 1328.8 | 666.8  | 293.5  | 119.6  | 39.9   | 30.3   | 22.3   | 14.4   | 11.2   |
| 77.5° | 965.1  | 912.4  | 752.9  | 317.4  | 162.7  | 55.8   | 22.3   | 17.5   | 12.8   | 11.2   | 6.4    |
| 80°   | 417.9  | 371.7  | 325.4  | 129.2  | 57.4   | 25.5   | 14.4   | 9.6    | 8.0    | 6.4    | 3.2    |
| 82.5° | 213.8  | 204.2  | 169.1  | 55.8   | 33.5   | 19.1   | 8.0    | 6.4    | 4.8    | 3.2    | 1.6    |
| 85°   | 105.3  | 108.5  | 89.3   | 17.5   | 19.1   | 11.2   | 1.6    | 1.6    | 0.0    | 0.0    | 0.0    |
| 87.5° | 8.0    | 8.0    | 6.4    | 3.2    | 4.8    | 1.6    | 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    |



REPORT NUMBER: P677412

CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 |
| 2.5°  | 1979.6 | 2001.9 | 1963.6 | 1987.6 | 1976.4 | 1981.2 | 1986.0 | 1973.2 | 1976.4 | 2021.1 | 2022.7 |
| 5°    | 1585.6 | 1628.7 | 1612.7 | 1635.0 | 1673.3 | 1654.2 | 1671.7 | 1668.5 | 1671.7 | 1678.1 | 1706.8 |
| 7.5°  | 1131.0 | 1118.2 | 1148.5 | 1207.5 | 1276.1 | 1317.6 | 1296.9 | 1285.7 | 1279.3 | 1263.4 | 1282.5 |
| 10°   | 853.4  | 847.0  | 839.1  | 856.6  | 901.3  | 947.5  | 973.0  | 930.0  | 906.0  | 875.7  | 864.6  |
| 12.5° | 708.2  | 668.4  | 646.0  | 618.9  | 631.7  | 673.2  | 674.8  | 633.3  | 595.0  | 579.0  | 596.6  |
| 15°   | 558.3  | 531.2  | 491.3  | 453.0  | 433.9  | 465.8  | 438.7  | 398.8  | 349.3  | 343.0  | 341.4  |
| 17.5° | 398.8  | 382.8  | 354.1  | 338.2  | 315.8  | 307.9  | 279.2  | 218.5  | 183.4  | 173.9  | 177.1  |
| 20°   | 271.2  | 258.4  | 256.8  | 242.5  | 232.9  | 226.5  | 180.3  | 140.4  | 129.2  | 130.8  | 132.4  |
| 22.5° | 201.0  | 194.6  | 186.6  | 185.0  | 177.1  | 169.1  | 132.4  | 118.0  | 110.1  | 110.1  | 114.9  |
| 25°   | 164.3  | 161.1  | 153.1  | 149.9  | 146.8  | 135.6  | 111.7  | 100.5  | 97.3   | 94.1   | 98.9   |
| 27.5° | 140.4  | 138.8  | 134.0  | 129.2  | 126.0  | 114.9  | 97.3   | 87.7   | 84.5   | 84.5   | 84.5   |
| 30°   | 126.0  | 126.0  | 119.6  | 110.1  | 110.1  | 97.3   | 82.9   | 76.6   | 73.4   | 73.4   | 71.8   |
| 32.5° | 118.0  | 114.9  | 106.9  | 100.5  | 95.7   | 82.9   | 73.4   | 67.0   | 62.2   | 62.2   | 63.8   |
| 35°   | 95.7   | 95.7   | 94.1   | 89.3   | 82.9   | 70.2   | 62.2   | 55.8   | 52.6   | 51.0   | 52.6   |
| 37.5° | 84.5   | 79.8   | 73.4   | 75.0   | 71.8   | 60.6   | 52.6   | 47.9   | 43.1   | 43.1   | 43.1   |
| 40°   | 76.6   | 71.8   | 65.4   | 60.6   | 59.0   | 54.2   | 46.3   | 38.3   | 33.5   | 31.9   | 31.9   |
| 42.5° | 68.6   | 65.4   | 55.8   | 47.9   | 46.3   | 46.3   | 35.1   | 28.7   | 23.9   | 23.9   | 23.9   |
| 45°   | 63.8   | 59.0   | 51.0   | 41.5   | 33.5   | 35.1   | 28.7   | 20.7   | 17.5   | 16.0   | 16.0   |
| 47.5° | 60.6   | 55.8   | 44.7   | 35.1   | 25.5   | 25.5   | 20.7   | 14.4   | 11.2   | 9.6    | 9.6    |
| 50°   | 55.8   | 51.0   | 39.9   | 28.7   | 19.1   | 16.0   | 12.8   | 8.0    | 4.8    | 3.2    | 3.2    |
| 52.5° | 52.6   | 47.9   | 35.1   | 23.9   | 16.0   | 11.2   | 8.0    | 1.6    | 0.0    | 0.0    | 0.0    |
| 55°   | 47.9   | 41.5   | 30.3   | 19.1   | 12.8   | 6.4    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 41.5   | 36.7   | 23.9   | 14.4   | 8.0    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 35.1   | 30.3   | 19.1   | 11.2   | 3.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 28.7   | 25.5   | 14.4   | 6.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 23.9   | 19.1   | 11.2   | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 20.7   | 16.0   | 8.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 16.0   | 11.2   | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 11.2   | 8.0    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 8.0    | 4.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 4.8    | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |





REPORT NUMBER: P677412  
 CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 |
| 2.5°  | 2029.0 | 2076.9 | 2121.6 | 2134.3 | 2169.4 | 2266.7 | 2266.7 | 2313.0 | 2395.9 | 2426.2 | 2432.6 |
| 5°    | 1711.6 | 1762.6 | 1772.2 | 1871.1 | 1917.4 | 2016.3 | 2081.7 | 2238.0 | 2332.1 | 2391.1 | 2427.8 |
| 7.5°  | 1301.6 | 1319.2 | 1355.9 | 1448.4 | 1539.3 | 1659.0 | 1783.4 | 1982.8 | 2148.7 | 2215.7 | 2340.1 |
| 10°   | 894.9  | 947.5  | 1027.3 | 1110.2 | 1252.2 | 1384.6 | 1545.7 | 1733.9 | 1938.1 | 2021.1 | 2127.9 |
| 12.5° | 603.0  | 676.3  | 804.0  | 922.0  | 1052.8 | 1186.8 | 1339.9 | 1592.0 | 1823.3 | 1938.1 | 2045.0 |
| 15°   | 352.5  | 441.9  | 551.9  | 743.3  | 917.2  | 1067.2 | 1220.3 | 1475.5 | 1756.3 | 1904.6 | 2035.4 |
| 17.5° | 178.7  | 205.8  | 296.7  | 462.6  | 692.3  | 938.0  | 1166.1 | 1491.5 | 1807.3 | 1989.2 | 2097.6 |
| 20°   | 134.0  | 142.0  | 167.5  | 245.7  | 473.8  | 775.2  | 1115.0 | 1515.4 | 1949.3 | 2171.0 | 2230.0 |
| 22.5° | 116.4  | 122.8  | 134.0  | 159.5  | 266.4  | 593.4  | 1043.2 | 1574.4 | 2142.3 | 2351.3 | 2475.7 |
| 25°   | 98.9   | 105.3  | 114.9  | 130.8  | 170.7  | 403.6  | 955.5  | 1636.6 | 2314.6 | 2577.8 | 2694.2 |
| 27.5° | 86.1   | 90.9   | 100.5  | 113.3  | 138.8  | 256.8  | 804.0  | 1719.6 | 2577.8 | 2852.1 | 2882.4 |
| 30°   | 73.4   | 78.2   | 86.1   | 100.5  | 118.0  | 181.8  | 590.2  | 1730.7 | 2722.9 | 2971.8 | 3056.3 |
| 32.5° | 63.8   | 65.4   | 75.0   | 87.7   | 98.9   | 143.6  | 414.7  | 1741.9 | 2829.8 | 3126.5 | 3144.1 |
| 35°   | 52.6   | 55.8   | 65.4   | 73.4   | 86.1   | 113.3  | 314.2  | 1686.1 | 2968.6 | 3286.0 | 3281.2 |
| 37.5° | 43.1   | 47.9   | 54.2   | 60.6   | 70.2   | 95.7   | 250.4  | 1582.4 | 3142.5 | 3533.3 | 3383.3 |
| 40°   | 33.5   | 38.3   | 44.7   | 52.6   | 59.0   | 86.1   | 188.2  | 1426.1 | 3324.3 | 3654.5 | 3495.0 |
| 42.5° | 23.9   | 27.1   | 33.5   | 41.5   | 52.6   | 71.8   | 135.6  | 1241.0 | 3396.1 | 3796.5 | 3629.0 |
| 45°   | 17.5   | 20.7   | 25.5   | 35.1   | 54.2   | 57.4   | 94.1   | 1071.9 | 3472.7 | 3858.7 | 3598.7 |
| 47.5° | 9.6    | 12.8   | 19.1   | 30.3   | 47.9   | 43.1   | 67.0   | 920.4  | 3560.4 | 3914.5 | 3622.6 |
| 50°   | 3.2    | 4.8    | 11.2   | 31.9   | 38.3   | 33.5   | 52.6   | 839.1  | 3646.5 | 3925.7 | 3670.5 |
| 52.5° | 0.0    | 0.0    | 6.4    | 33.5   | 28.7   | 25.5   | 46.3   | 807.1  | 3624.2 | 3960.8 | 3640.1 |
| 55°   | 0.0    | 0.0    | 1.6    | 14.4   | 16.0   | 19.1   | 38.3   | 805.6  | 3782.1 | 3971.9 | 3806.0 |
| 57.5° | 0.0    | 0.0    | 0.0    | 4.8    | 9.6    | 16.0   | 33.5   | 754.5  | 3882.6 | 4249.5 | 4029.4 |
| 60°   | 0.0    | 0.0    | 0.0    | 1.6    | 6.4    | 11.2   | 25.5   | 709.8  | 3984.7 | 4373.9 | 4268.6 |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 4.8    | 17.5   | 641.3  | 3778.9 | 4364.3 | 4499.9 |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 11.2   | 507.3  | 3399.3 | 4136.2 | 4372.3 |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 6.4    | 350.9  | 2976.6 | 3849.1 | 4137.8 |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 212.2  | 2402.3 | 3375.3 | 3509.3 |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90.9   | 1714.8 | 2679.9 | 2879.3 |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 36.7   | 1060.8 | 1958.9 | 2204.5 |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 14.4   | 687.5  | 1483.5 | 1673.3 |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.2    | 366.9  | 930.0  | 1081.5 |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 159.5  | 564.7  | 650.8  |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 51.0   | 343.0  | 390.8  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 52.6   | 70.2   |
| 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: P677412

CATALOG NUMBER: CCW-SA-2C-730-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 | 2261.9 |
| 2.5°  | 2435.8 | 2482.1 | 2499.6 | 2472.5 | 2475.7 | 2419.9 | 2411.9 | 2333.7 | 2301.8 | 2308.2 |
| 5°    | 2547.5 | 2614.5 | 2651.1 | 2620.8 | 2552.2 | 2445.4 | 2348.1 | 2255.5 | 2198.1 | 2169.4 |
| 7.5°  | 2521.9 | 2596.9 | 2643.2 | 2671.9 | 2593.7 | 2421.4 | 2273.1 | 2099.2 | 2025.8 | 2027.4 |
| 10°   | 2381.6 | 2537.9 | 2632.0 | 2595.3 | 2558.6 | 2386.4 | 2156.6 | 1968.4 | 1903.0 | 1909.4 |
| 12.5° | 2268.3 | 2442.2 | 2498.0 | 2526.7 | 2451.8 | 2314.6 | 2159.8 | 1944.5 | 1871.1 | 1826.5 |
| 15°   | 2198.1 | 2327.3 | 2330.5 | 2375.2 | 2344.9 | 2344.9 | 2193.3 | 1982.8 | 1919.0 | 1869.5 |
| 17.5° | 2198.1 | 2226.8 | 2223.6 | 2239.6 | 2290.6 | 2351.3 | 2277.9 | 2137.5 | 2011.5 | 2003.5 |
| 20°   | 2247.6 | 2158.2 | 2137.5 | 2143.9 | 2187.0 | 2367.2 | 2464.5 | 2289.0 | 2209.3 | 2183.8 |
| 22.5° | 2362.4 | 2166.2 | 2040.2 | 2017.9 | 2150.3 | 2365.6 | 2584.2 | 2528.3 | 2389.5 | 2368.8 |
| 25°   | 2520.3 | 2151.9 | 2014.7 | 1986.0 | 2086.5 | 2423.0 | 2748.5 | 2759.6 | 2633.6 | 2590.5 |
| 27.5° | 2670.3 | 2215.7 | 2011.5 | 2005.1 | 2137.5 | 2410.3 | 2861.7 | 2944.7 | 2802.7 | 2767.6 |
| 30°   | 2721.3 | 2279.5 | 2070.5 | 1986.0 | 2156.6 | 2456.5 | 2858.5 | 3075.5 | 2982.9 | 2990.9 |
| 32.5° | 2782.0 | 2343.3 | 2076.9 | 2043.4 | 2238.0 | 2531.5 | 2949.4 | 3286.0 | 3219.0 | 3124.9 |
| 35°   | 2871.3 | 2429.4 | 2137.5 | 2107.2 | 2295.4 | 2598.5 | 2968.6 | 3440.7 | 3429.6 | 3319.5 |
| 37.5° | 2947.8 | 2514.0 | 2263.5 | 2268.3 | 2470.9 | 2707.0 | 3053.1 | 3630.6 | 3611.4 | 3536.5 |
| 40°   | 3002.1 | 2632.0 | 2459.7 | 2472.5 | 2624.0 | 2828.2 | 3203.1 | 3726.3 | 3868.3 | 3758.2 |
| 42.5° | 3010.1 | 2737.3 | 2684.6 | 2786.7 | 2928.7 | 3016.4 | 3263.7 | 3791.7 | 3995.9 | 3924.1 |
| 45°   | 3040.4 | 2904.8 | 3051.5 | 3126.5 | 3243.0 | 3182.3 | 3260.5 | 3903.3 | 4005.4 | 3968.7 |
| 47.5° | 3158.4 | 3209.5 | 3394.5 | 3622.6 | 3664.1 | 3464.7 | 3337.1 | 3920.9 | 4059.7 | 4054.9 |
| 50°   | 3281.2 | 3536.5 | 3796.5 | 3948.0 | 4000.6 | 3659.3 | 3408.8 | 3906.5 | 4131.5 | 4093.2 |
| 52.5° | 3418.4 | 3820.4 | 4195.3 | 4381.9 | 4353.2 | 3874.6 | 3490.2 | 4023.0 | 4263.8 | 4251.1 |
| 55°   | 3504.6 | 3948.0 | 4452.1 | 4712.1 | 4689.8 | 4115.5 | 3748.6 | 4190.5 | 4437.7 | 4405.8 |
| 57.5° | 3732.7 | 4155.4 | 4707.3 | 4828.5 | 4887.6 | 4431.3 | 3928.9 | 4464.8 | 4582.9 | 4618.0 |
| 60°   | 3920.9 | 4291.0 | 4774.3 | 4949.8 | 4970.5 | 4619.6 | 4244.7 | 4747.2 | 4767.9 | 4649.9 |
| 62.5° | 4196.9 | 4343.6 | 4632.3 | 4790.3 | 4897.1 | 4726.4 | 4528.6 | 4898.7 | 4764.7 | 4756.8 |
| 65°   | 4399.4 | 4171.3 | 4367.5 | 4455.3 | 4523.9 | 4563.7 | 4814.2 | 5002.4 | 4705.7 | 4551.0 |
| 67.5° | 4286.2 | 3845.9 | 3809.2 | 3814.0 | 3834.8 | 4075.6 | 4718.5 | 4748.8 | 4377.1 | 4249.5 |
| 70°   | 3772.5 | 3155.2 | 3105.8 | 3144.1 | 3040.4 | 3330.7 | 4330.8 | 4316.5 | 3861.9 | 3729.5 |
| 72.5° | 3051.5 | 2300.2 | 2215.7 | 2268.3 | 2292.2 | 2600.1 | 3643.3 | 3273.3 | 2817.0 | 2713.4 |
| 75°   | 2424.6 | 1686.1 | 1422.9 | 1550.5 | 1631.8 | 1893.4 | 2845.8 | 2223.6 | 1966.8 | 1826.5 |
| 77.5° | 1904.6 | 1276.1 | 1107.0 | 1056.0 | 1131.0 | 1376.6 | 2070.5 | 1167.7 | 1030.5 | 965.1  |
| 80°   | 1207.5 | 938.0  | 1017.7 | 944.3  | 976.2  | 982.6  | 1078.3 | 531.2  | 422.7  | 417.9  |
| 82.5° | 727.4  | 641.3  | 762.5  | 419.5  | 764.1  | 682.7  | 448.2  | 240.9  | 213.8  | 213.8  |
| 85°   | 515.2  | 397.2  | 263.2  | 170.7  | 339.8  | 374.9  | 173.9  | 124.4  | 108.5  | 105.3  |
| 87.5° | 258.4  | 122.8  | 59.0   | 38.3   | 43.1   | 70.2   | 20.7   | 9.6    | 9.6    | 8.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)