

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: P675542

Luminaire Tested: **CCW-SA-2E-730-U-SL3**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675542  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-730-U-SL3  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SL3 distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

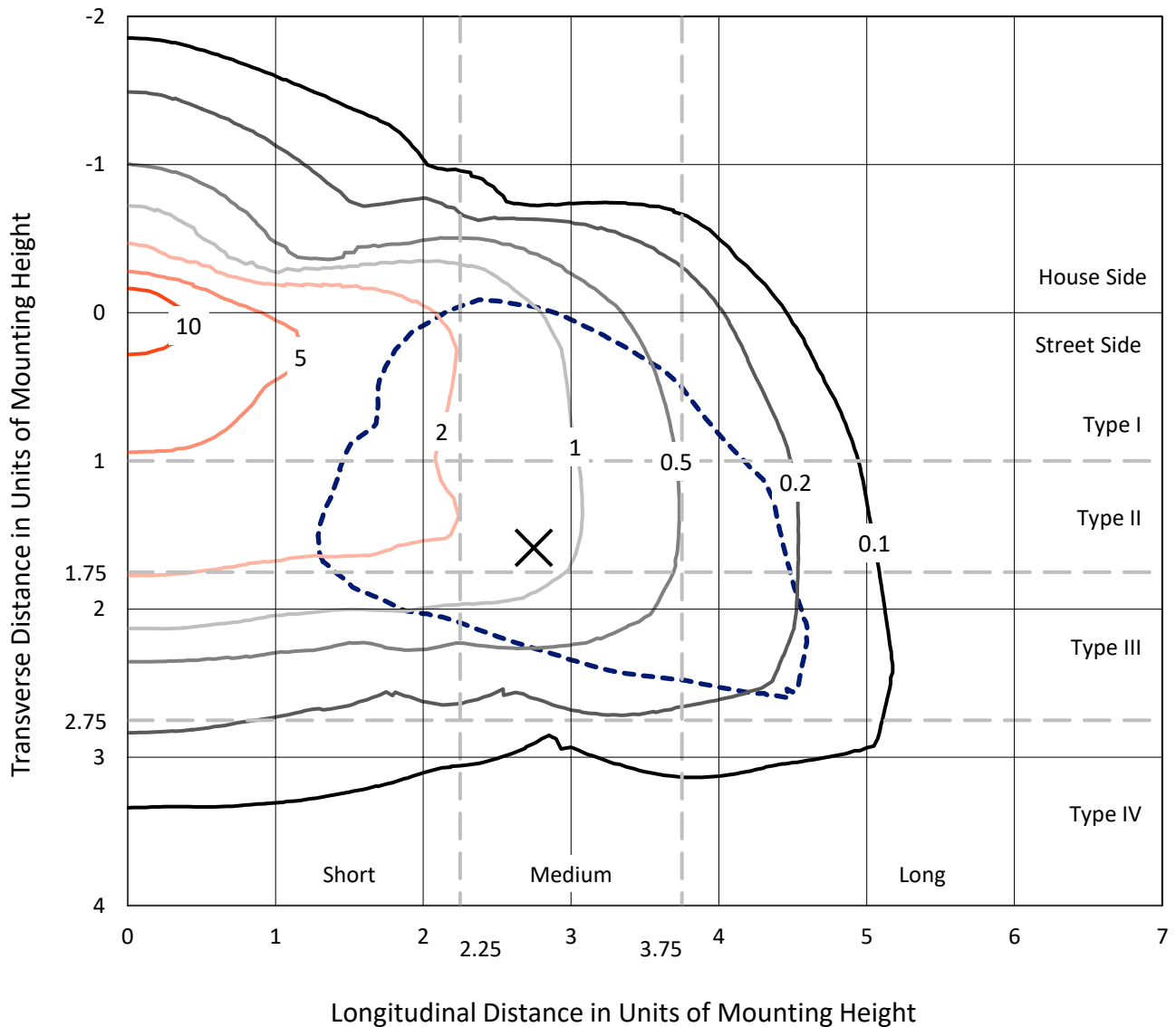
Lumens per Lamp: N/A  
Luminaire Lumens: 12310.5 lumens  
Efficiency: N/A  
Efficacy: 115.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6  
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: P675542  
 CATALOG NUMBER: CCW-SA-2E-730-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

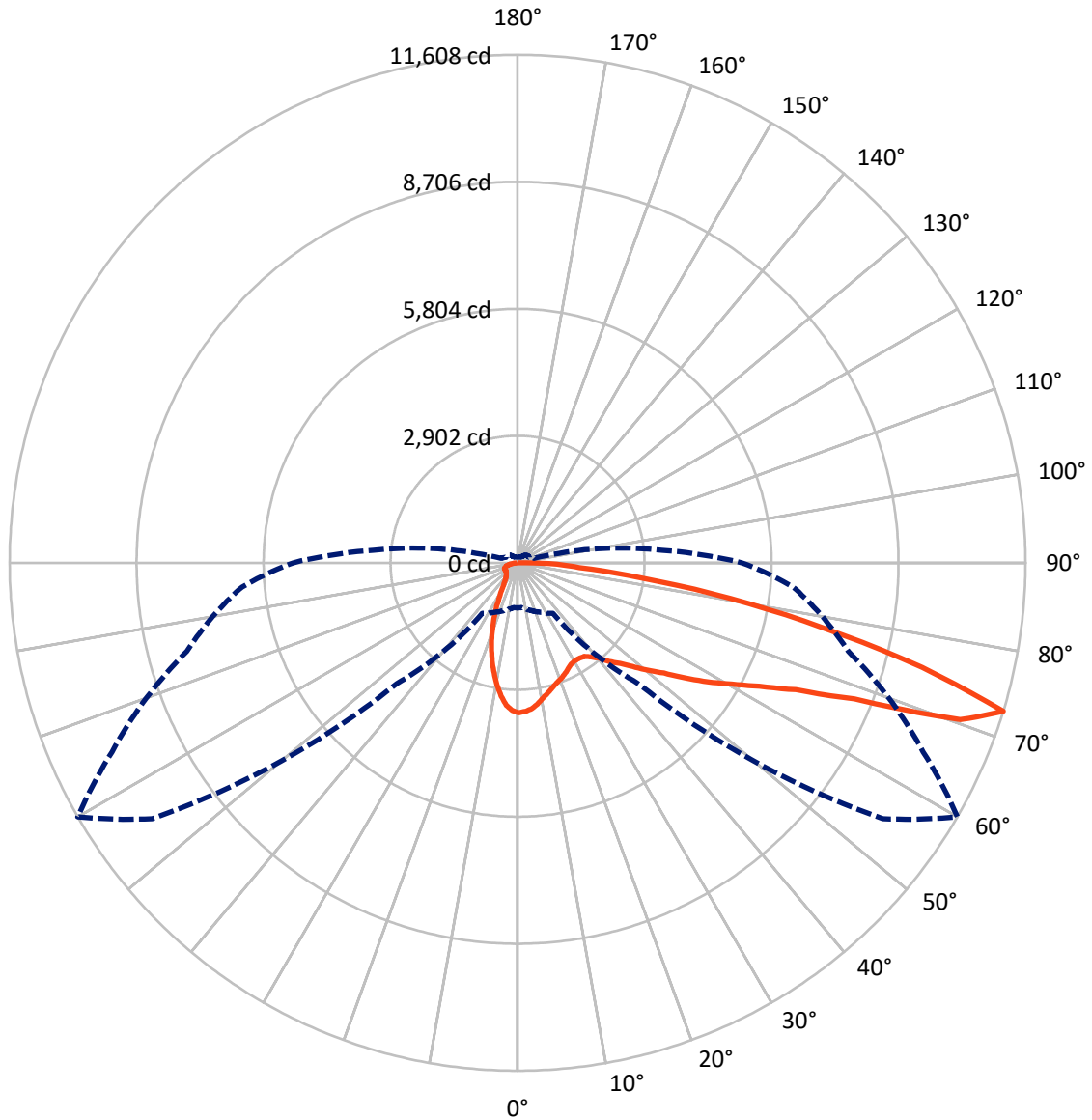
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 15.2 fc  
 Type III - Medium - N/A

REPORT NUMBER: P675542  
CATALOG NUMBER: CCW-SA-2E-730-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675542  
 CATALOG NUMBER: CCW-SA-2E-730-U-SL3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2114.7   | 0.0    | 2114.7  |
|                    | % Fixture | 17.2     | 0.0    | 17.2    |
| <b>Street Side</b> | Lumens    | 10195.8  | 0.0    | 10195.8 |
|                    | % Fixture | 82.8     | 0.0    | 82.8    |
| <b>Total</b>       | Lumens    | 12310.5  | 0.0    | 12310.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 297.1   | 2.4       |
| 10°-20°   | 673.8   | 5.5       |
| 20°-30°   | 862.3   | 7.0       |
| 30°-40°   | 1103.1  | 9.0       |
| 40°-50°   | 1512.9  | 12.3      |
| 50°-60°   | 2188.2  | 17.8      |
| 60°-70°   | 3001.9  | 24.4      |
| 70°-80°   | 2252.6  | 18.3      |
| 80°-90°   | 418.7   | 3.4       |
| 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°    | 12310.5 | 100.0     |
| 0°-180°   | 12310.5 | 100.0     |

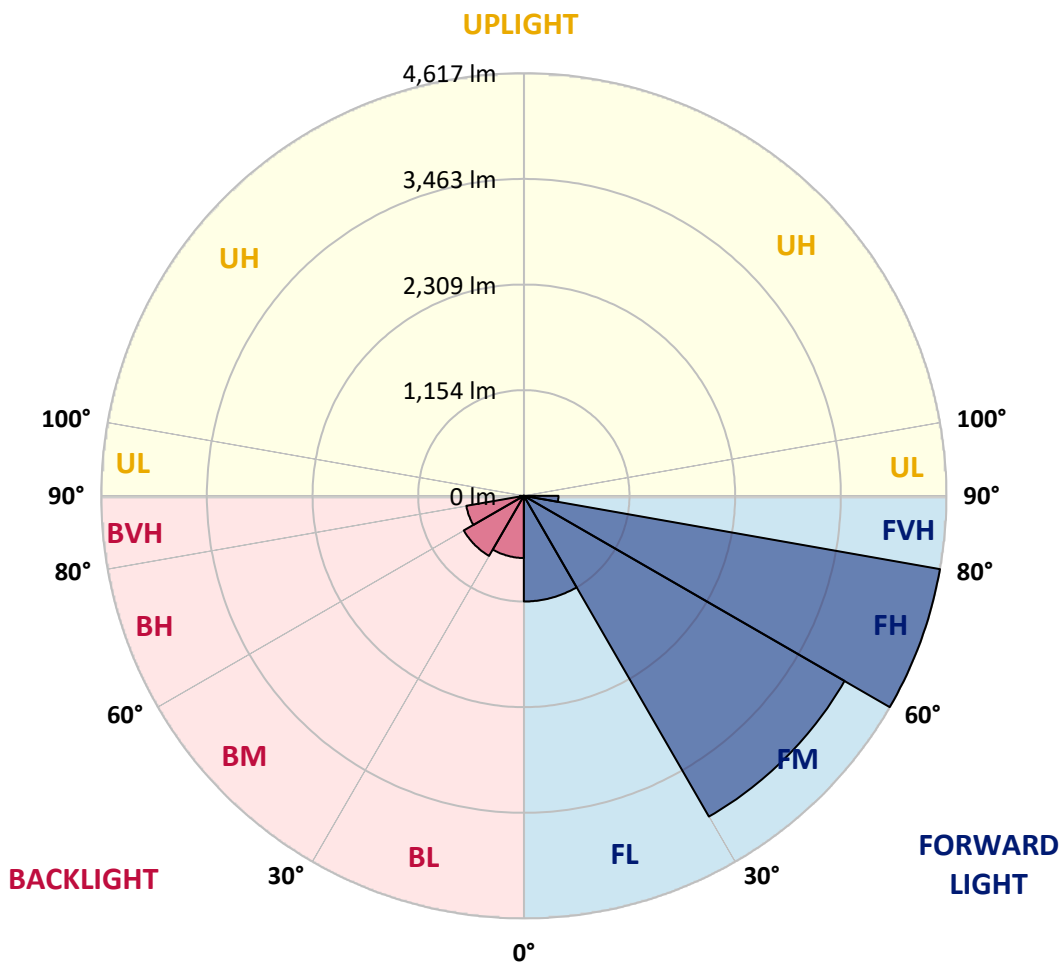


REPORT NUMBER: P675542  
 CATALOG NUMBER: CCW-SA-2E-730-U-SL3

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1154.3 | 9.4       |                         |      |         |
| FM (30°-60°)   | 4046.4 | 32.9      |                         |      |         |
| FH (60°-80°)   | 4617.2 | 37.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 377.9  | 3.1       |                         |      | G3/500  |
| BL (0°-30°)    | 678.8  | 5.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 757.8  | 6.2       | B1/1000                 |      |         |
| BH (60°-80°)   | 637.3  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 40.8   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**  
 Type III Medium





REPORT NUMBER: P675542

CATALOG NUMBER: CCW-SA-2E-730-U-SL3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 60°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| 0°    | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9  | 3427.9  | 3427.9  | 3427.9 | 3427.9 |
| 2.5°  | 3354.5 | 3386.6 | 3395.8 | 3395.8 | 3423.3 | 3391.2 | 3437.0  | 3400.4  | 3409.5  | 3423.3 | 3414.1 |
| 5°    | 3194.1 | 3249.1 | 3217.1 | 3276.6 | 3253.7 | 3295.0 | 3350.0  | 3350.0  | 3336.2  | 3363.7 | 3340.8 |
| 7.5°  | 3038.3 | 3020.0 | 3075.0 | 3075.0 | 3111.7 | 3166.6 | 3212.5  | 3258.3  | 3262.9  | 3272.0 | 3267.5 |
| 10°   | 2827.5 | 2850.4 | 2877.9 | 2914.6 | 2960.4 | 3015.4 | 3111.7  | 3148.3  | 3157.5  | 3212.5 | 3198.7 |
| 12.5° | 2653.4 | 2685.5 | 2703.8 | 2777.1 | 2818.4 | 2896.3 | 3006.3  | 3056.7  | 3061.2  | 3139.2 | 3139.2 |
| 15°   | 2525.1 | 2543.4 | 2584.6 | 2612.1 | 2703.8 | 2813.8 | 2919.2  | 2965.0  | 3015.4  | 3097.9 | 3075.0 |
| 17.5° | 2438.0 | 2460.9 | 2479.2 | 2515.9 | 2603.0 | 2694.6 | 2859.6  | 2887.1  | 2946.7  | 3065.8 | 3038.3 |
| 20°   | 2387.6 | 2392.2 | 2419.7 | 2442.6 | 2520.5 | 2607.6 | 2754.2  | 2827.5  | 2905.4  | 3010.8 | 2983.3 |
| 22.5° | 2396.8 | 2378.4 | 2373.8 | 2405.9 | 2419.7 | 2502.2 | 2680.9  | 2758.8  | 2868.8  | 2992.5 | 2946.7 |
| 25°   | 2415.1 | 2419.7 | 2410.5 | 2383.0 | 2387.6 | 2460.9 | 2580.1  | 2680.9  | 2804.6  | 2987.9 | 2896.3 |
| 27.5° | 2460.9 | 2483.8 | 2447.2 | 2419.7 | 2392.2 | 2419.7 | 2543.4  | 2616.7  | 2754.2  | 3010.8 | 2891.7 |
| 30°   | 2506.7 | 2529.7 | 2520.5 | 2479.2 | 2424.2 | 2415.1 | 2502.2  | 2593.8  | 2726.7  | 3029.2 | 2891.7 |
| 32.5° | 2575.5 | 2607.6 | 2575.5 | 2589.2 | 2525.1 | 2483.8 | 2515.9  | 2598.4  | 2754.2  | 3093.3 | 2896.3 |
| 35°   | 2653.4 | 2680.9 | 2690.0 | 2658.0 | 2644.2 | 2566.3 | 2584.6  | 2625.9  | 2781.7  | 3166.6 | 2942.1 |
| 37.5° | 2740.5 | 2772.5 | 2800.0 | 2804.6 | 2758.8 | 2713.0 | 2703.8  | 2726.7  | 2850.4  | 3295.0 | 2992.5 |
| 40°   | 2800.0 | 2818.4 | 2873.4 | 2919.2 | 2932.9 | 2868.8 | 2864.2  | 2864.2  | 2974.2  | 3409.5 | 3084.2 |
| 42.5° | 2900.9 | 2891.7 | 2969.6 | 3052.1 | 3075.0 | 3038.3 | 3047.5  | 3084.2  | 3148.3  | 3574.5 | 3230.8 |
| 45°   | 2951.3 | 2942.1 | 3033.7 | 3171.2 | 3276.6 | 3258.3 | 3267.5  | 3281.2  | 3340.8  | 3835.7 | 3478.3 |
| 47.5° | 3020.0 | 3029.2 | 3162.1 | 3317.9 | 3427.9 | 3492.0 | 3542.4  | 3537.8  | 3583.7  | 4101.5 | 3753.2 |
| 50°   | 3088.7 | 3107.1 | 3267.5 | 3432.4 | 3624.9 | 3734.9 | 3808.2  | 3858.6  | 3904.5  | 4381.1 | 4069.4 |
| 52.5° | 3221.6 | 3240.0 | 3418.7 | 3597.4 | 3844.9 | 4005.3 | 4188.6  | 4184.0  | 4188.6  | 4660.6 | 4385.6 |
| 55°   | 3414.1 | 3418.7 | 3524.1 | 3730.3 | 4064.9 | 4358.1 | 4610.2  | 4637.7  | 4559.8  | 5008.9 | 4747.7 |
| 57.5° | 3634.1 | 3652.4 | 3744.1 | 3899.9 | 4239.0 | 4697.3 | 5082.2  | 5137.2  | 4926.4  | 5293.0 | 5077.6 |
| 60°   | 3840.3 | 3854.1 | 3996.1 | 4174.8 | 4541.5 | 5123.5 | 5558.8  | 5623.0  | 5393.8  | 5641.3 | 5421.3 |
| 62.5° | 3606.6 | 3675.3 | 3927.4 | 4335.2 | 5073.1 | 5769.6 | 6163.7  | 6205.0  | 5847.5  | 5994.2 | 5788.0 |
| 65°   | 2887.1 | 2932.9 | 3295.0 | 3954.9 | 5109.7 | 6942.8 | 7098.6  | 6988.6  | 6470.8  | 6447.9 | 6342.5 |
| 67.5° | 1608.5 | 1645.2 | 1892.7 | 2584.6 | 4303.2 | 7382.7 | 9110.4  | 8303.9  | 7437.7  | 7130.7 | 7094.0 |
| 70°   | 1269.4 | 1278.6 | 1310.7 | 1452.7 | 2387.6 | 6507.4 | 10696.0 | 10732.7 | 9018.8  | 8070.1 | 7254.4 |
| 72.5° | 1031.1 | 1026.5 | 1122.8 | 1246.5 | 1411.5 | 3904.5 | 10196.5 | 11608.0 | 10228.6 | 7822.7 | 6319.5 |
| 75°   | 788.2  | 802.0  | 925.7  | 1104.4 | 1292.3 | 1837.7 | 7607.3  | 9550.4  | 9582.4  | 7291.1 | 5329.7 |
| 77.5° | 600.3  | 604.9  | 742.4  | 976.1  | 1264.8 | 1296.9 | 4963.1  | 7116.9  | 7149.0  | 5645.9 | 2937.5 |
| 80°   | 449.1  | 449.1  | 563.7  | 824.9  | 1232.7 | 1196.1 | 3056.7  | 4935.6  | 4468.1  | 1984.3 | 641.6  |
| 82.5° | 256.6  | 275.0  | 375.8  | 627.8  | 1118.2 | 1150.3 | 1723.1  | 2827.5  | 1888.1  | 540.8  | 297.9  |
| 85°   | 137.5  | 142.1  | 229.1  | 421.6  | 921.1  | 1099.8 | 1315.2  | 1406.9  | 751.6   | 288.7  | 137.5  |
| 87.5° | 50.4   | 50.4   | 105.4  | 215.4  | 582.0  | 815.7  | 1044.9  | 898.2   | 430.8   | 132.9  | 68.7   |
| 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: P675542  
 CATALOG NUMBER: CCW-SA-2E-730-U-SL3

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 | 3427.9 |
| 2.5°  | 3423.3 | 3404.9 | 3391.2 | 3404.9 | 3354.5 | 3331.6 | 3359.1 | 3345.4 | 3317.9 | 3304.1 | 3295.0 |
| 5°    | 3354.5 | 3331.6 | 3308.7 | 3295.0 | 3240.0 | 3185.0 | 3157.5 | 3102.5 | 3056.7 | 3070.4 | 3042.9 |
| 7.5°  | 3281.2 | 3258.3 | 3189.6 | 3125.4 | 3015.4 | 2905.4 | 2855.0 | 2777.1 | 2749.6 | 2726.7 | 2713.0 |
| 10°   | 3189.6 | 3148.3 | 3042.9 | 2914.6 | 2754.2 | 2630.5 | 2502.2 | 2410.5 | 2314.3 | 2273.0 | 2286.8 |
| 12.5° | 3075.0 | 3052.1 | 2887.1 | 2690.0 | 2465.5 | 2259.3 | 2108.0 | 1961.4 | 1833.1 | 1764.3 | 1746.0 |
| 15°   | 3024.6 | 2955.8 | 2717.5 | 2456.3 | 2172.2 | 1915.6 | 1691.0 | 1434.4 | 1283.2 | 1209.8 | 1209.8 |
| 17.5° | 2969.6 | 2841.3 | 2557.1 | 2199.7 | 1874.3 | 1544.4 | 1228.2 | 994.4  | 875.3  | 834.1  | 834.1  |
| 20°   | 2882.5 | 2740.5 | 2369.3 | 1956.8 | 1562.7 | 1164.0 | 879.9  | 751.6  | 714.9  | 687.4  | 692.0  |
| 22.5° | 2818.4 | 2644.2 | 2195.1 | 1718.5 | 1237.3 | 866.1  | 692.0  | 650.7  | 637.0  | 627.8  | 632.4  |
| 25°   | 2745.0 | 2529.7 | 2011.8 | 1461.9 | 971.5  | 682.8  | 600.3  | 582.0  | 591.2  | 595.8  | 595.8  |
| 27.5° | 2685.5 | 2433.4 | 1823.9 | 1186.9 | 733.2  | 577.4  | 540.8  | 536.2  | 554.5  | 563.7  | 568.3  |
| 30°   | 2644.2 | 2346.3 | 1640.6 | 934.9  | 586.6  | 513.3  | 494.9  | 494.9  | 517.8  | 527.0  | 531.6  |
| 32.5° | 2603.0 | 2273.0 | 1443.6 | 714.9  | 499.5  | 458.3  | 453.7  | 458.3  | 472.0  | 472.0  | 476.6  |
| 35°   | 2616.7 | 2204.3 | 1255.7 | 577.4  | 449.1  | 421.6  | 421.6  | 421.6  | 426.2  | 430.8  | 430.8  |
| 37.5° | 2644.2 | 2185.9 | 1054.0 | 485.8  | 412.4  | 394.1  | 394.1  | 389.5  | 394.1  | 389.5  | 394.1  |
| 40°   | 2671.7 | 2158.5 | 870.7  | 430.8  | 389.5  | 375.8  | 371.2  | 362.0  | 357.5  | 357.5  | 362.0  |
| 42.5° | 2786.3 | 2195.1 | 714.9  | 394.1  | 371.2  | 362.0  | 348.3  | 339.1  | 334.5  | 334.5  | 334.5  |
| 45°   | 2932.9 | 2263.9 | 591.2  | 375.8  | 357.5  | 334.5  | 325.4  | 320.8  | 311.6  | 316.2  | 320.8  |
| 47.5° | 3152.9 | 2369.3 | 517.8  | 362.0  | 343.7  | 316.2  | 307.0  | 297.9  | 297.9  | 307.0  | 307.0  |
| 50°   | 3441.6 | 2543.4 | 472.0  | 348.3  | 330.0  | 302.5  | 288.7  | 284.1  | 284.1  | 297.9  | 297.9  |
| 52.5° | 3753.2 | 2745.0 | 453.7  | 343.7  | 316.2  | 288.7  | 275.0  | 270.4  | 270.4  | 288.7  | 288.7  |
| 55°   | 4064.9 | 2992.5 | 467.4  | 343.7  | 307.0  | 275.0  | 261.2  | 252.0  | 256.6  | 270.4  | 270.4  |
| 57.5° | 4408.6 | 3258.3 | 536.2  | 343.7  | 297.9  | 270.4  | 252.0  | 238.3  | 242.9  | 247.5  | 247.5  |
| 60°   | 4784.3 | 3606.6 | 655.3  | 343.7  | 293.3  | 261.2  | 238.3  | 220.0  | 220.0  | 224.6  | 224.6  |
| 62.5° | 5164.7 | 3950.3 | 824.9  | 348.3  | 297.9  | 256.6  | 220.0  | 201.6  | 197.1  | 201.6  | 201.6  |
| 65°   | 5664.2 | 4500.2 | 994.4  | 348.3  | 311.6  | 247.5  | 206.2  | 183.3  | 178.7  | 178.7  | 183.3  |
| 67.5° | 6365.4 | 4894.3 | 769.9  | 334.5  | 320.8  | 247.5  | 192.5  | 169.6  | 160.4  | 160.4  | 160.4  |
| 70°   | 5994.2 | 4129.0 | 490.3  | 311.6  | 307.0  | 256.6  | 183.3  | 155.8  | 146.6  | 142.1  | 142.1  |
| 72.5° | 5132.6 | 3304.1 | 394.1  | 293.3  | 284.1  | 252.0  | 174.1  | 146.6  | 132.9  | 128.3  | 128.3  |
| 75°   | 4115.3 | 2607.6 | 343.7  | 265.8  | 247.5  | 210.8  | 160.4  | 132.9  | 123.7  | 114.6  | 114.6  |
| 77.5° | 2016.4 | 1090.7 | 261.2  | 233.7  | 210.8  | 160.4  | 142.1  | 123.7  | 110.0  | 100.8  | 100.8  |
| 80°   | 504.1  | 380.4  | 192.5  | 183.3  | 155.8  | 123.7  | 114.6  | 105.4  | 96.2   | 87.1   | 87.1   |
| 82.5° | 270.4  | 224.6  | 137.5  | 123.7  | 105.4  | 87.1   | 87.1   | 82.5   | 77.9   | 68.7   | 64.2   |
| 85°   | 137.5  | 132.9  | 91.7   | 82.5   | 68.7   | 55.0   | 59.6   | 59.6   | 55.0   | 41.2   | 41.2   |
| 87.5° | 73.3   | 73.3   | 45.8   | 36.7   | 32.1   | 27.5   | 27.5   | 27.5   | 22.9   | 18.3   | 18.3   |
| 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)