

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: STREETWORKS

Report Number: P579524

Luminaire Tested: **CST-CA10-210-750-U-T5N-HSS-HM-EX180**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/18/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CST-CA10-210-750-U-T5N-HSS-HM-EX180  
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD  
Light Source: (10) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24074 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U2 - G3

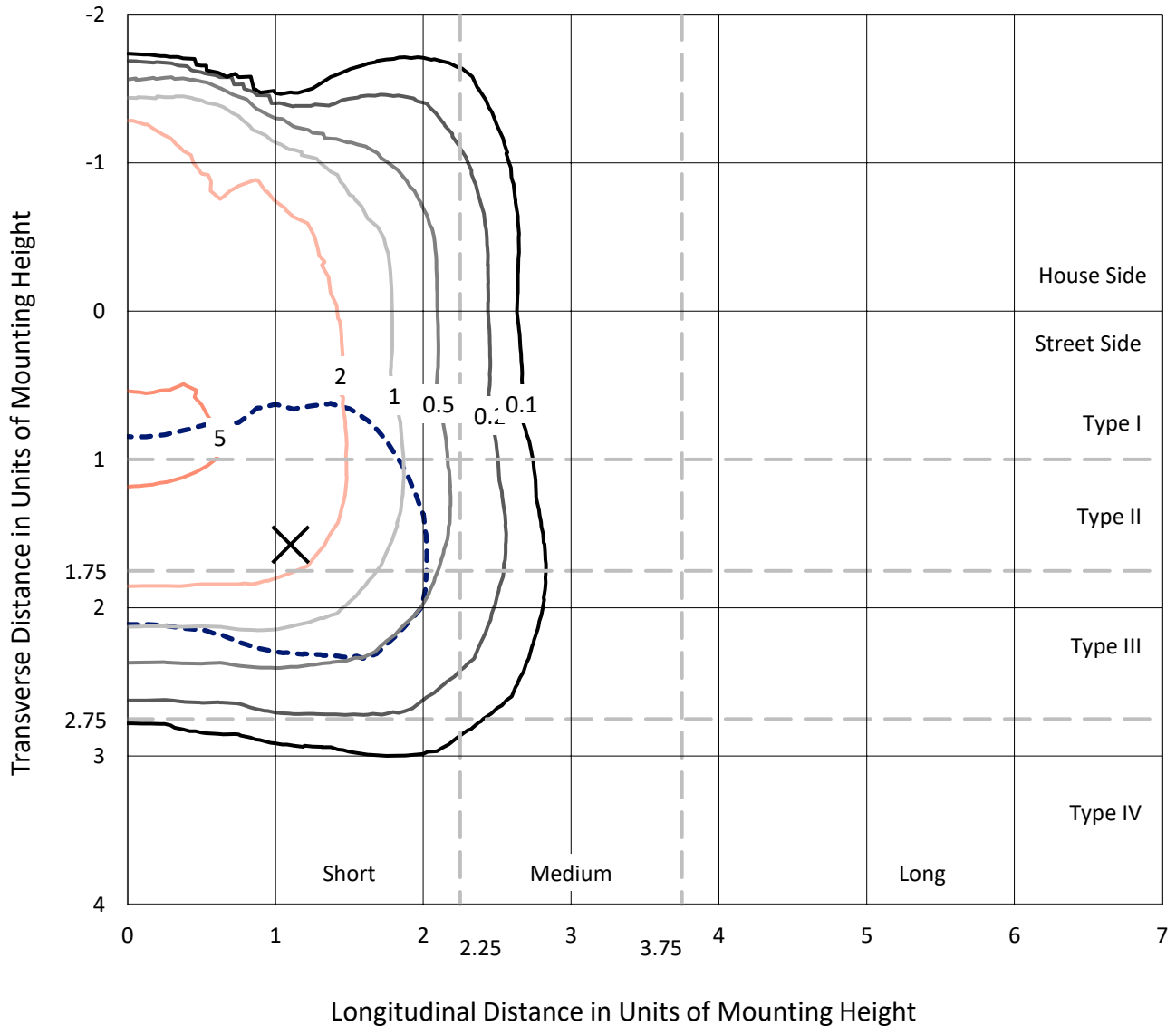
Input Watts (W): 212.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

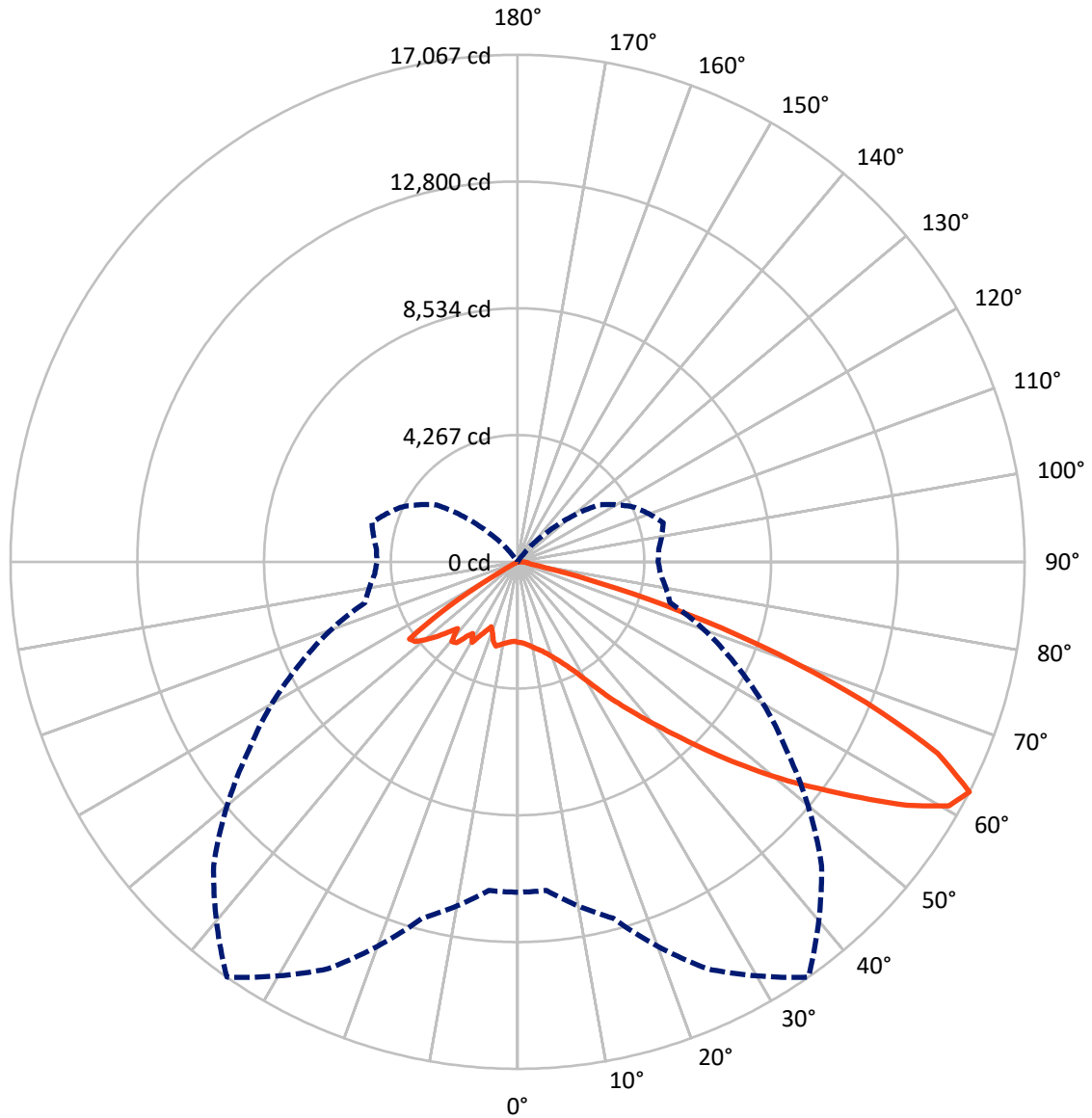
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical



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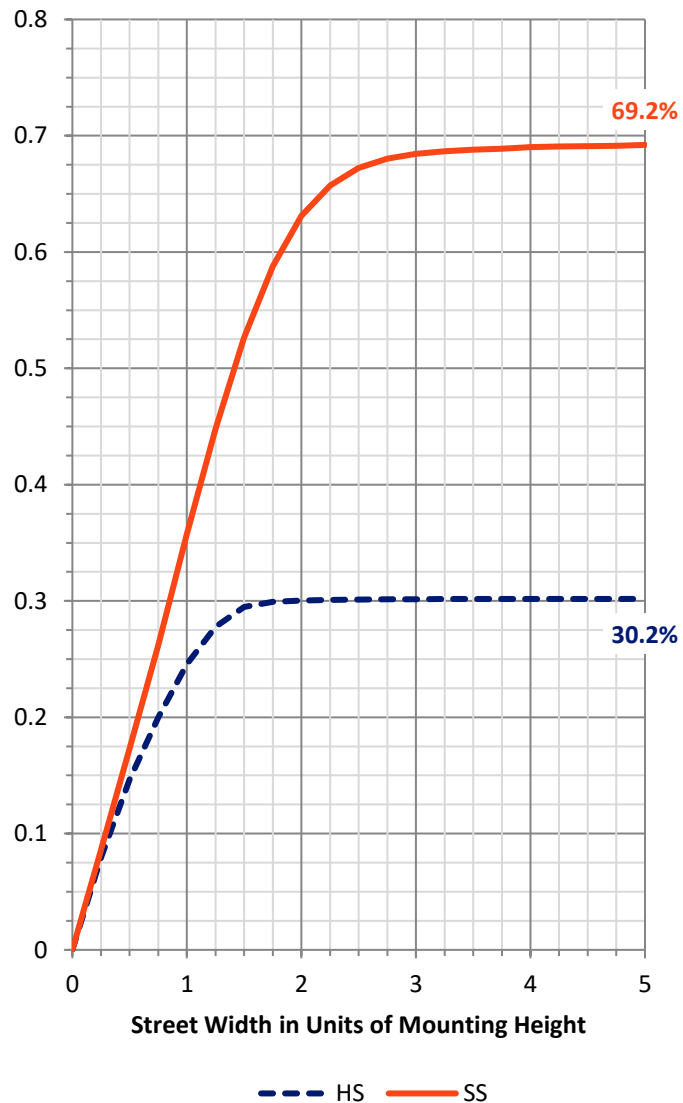
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7306.5   | 0.0    | 7306.6  |
|                    | % Fixture | 30.4     | 0.0    | 30.4    |
| <b>Street Side</b> | Lumens    | 16746.6  | 20.9   | 16767.5 |
|                    | % Fixture | 69.6     | 0.1    | 69.6    |
| <b>Total</b>       | Lumens    | 24053.1  | 20.9   | 24074.0 |
|                    | % Fixture | 99.9     | 0.1    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 267.5   | 1.1       |
| 10°-20°   | 858.5   | 3.6       |
| 20°-30°   | 1569.1  | 6.5       |
| 30°-40°   | 2990.2  | 12.4      |
| 40°-50°   | 5132.4  | 21.3      |
| 50°-60°   | 6885.2  | 28.6      |
| 60°-70°   | 5234.1  | 21.7      |
| 70°-80°   | 991.1   | 4.1       |
| 80°-90°   | 125.2   | 0.5       |
| 90°-100°  | 18.4    | 0.1       |
| 100°-110° | 2.5     | 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°    | 24053.1 | 99.9      |
| 0°-180°   | 24074.0 | 100.0     |

**Coefficient of Utilization**

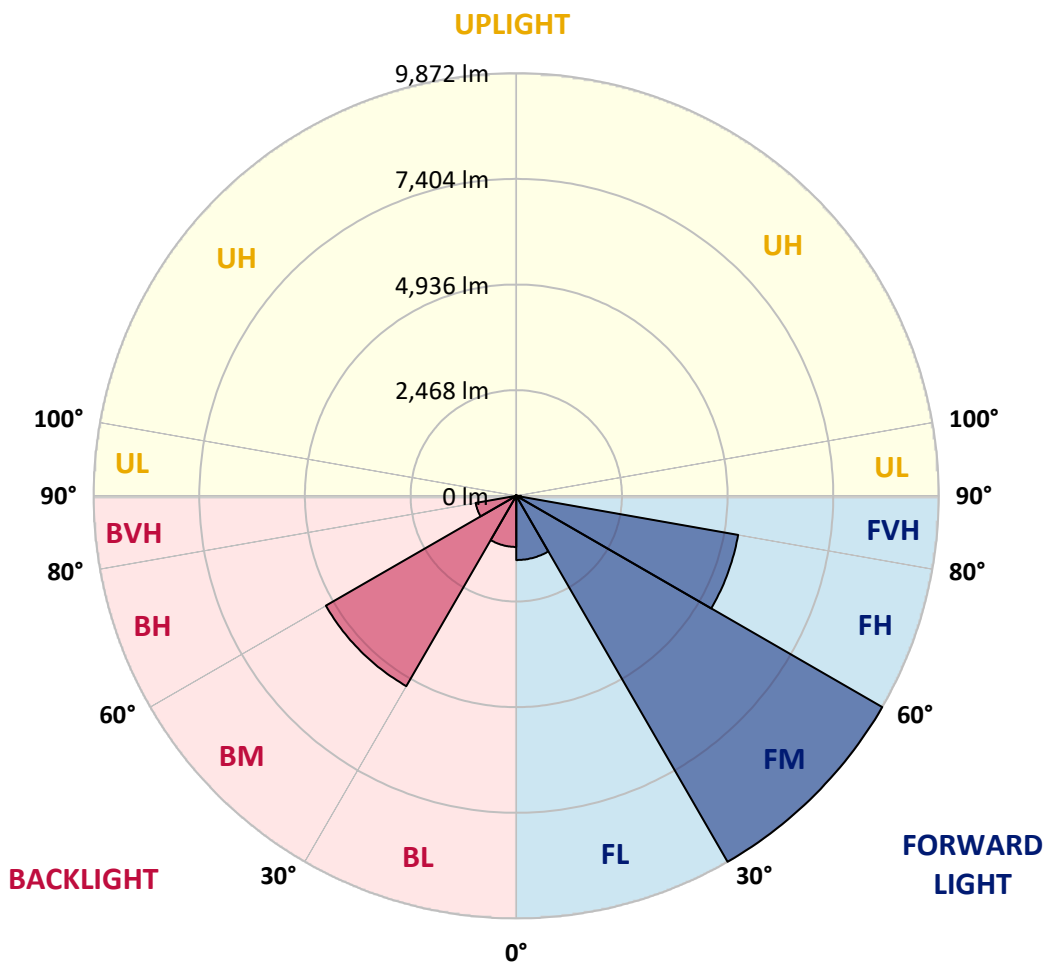


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|----------------|--------|-----------|-------------------------|-------|---------|
|                |        |           | B                       | U     | G       |
| FL (0°-30°)    | 1500.7 | 6.2       |                         |       |         |
| FM (30°-60°)   | 9872.3 | 41.0      |                         |       |         |
| FH (60°-80°)   | 5263.0 | 21.9      |                         |       | G3/7500 |
| FVH (80°-90°)  | 110.5  | 0.5       |                         |       | G2/225  |
| BL (0°-30°)    | 1194.3 | 5.0       | B3/2500                 |       |         |
| BM (30°-60°)   | 5135.4 | 21.3      | B4/8500                 |       |         |
| BH (60°-80°)   | 962.2  | 4.0       | B2/1000                 |       | G2/1000 |
| BVH (80°-90°)  | 14.7   | 0.1       |                         |       | G1/100  |
| UL (90°-100°)  | 18.4   | 0.1       |                         | U2/50 |         |
| UH (100°-180°) | 2.5    | 0.0       |                         | U1/10 |         |

**BUG Rating: B4-U2-G3**  
 Type III Short





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CATALOG NUMBER: CST-CA10-210-750-U-T5N-HSS-HM-EX180

**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    | 90°    |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°     | 2711.0  | 2711.0  | 2711.0  | 2711.0  | 2711.0  | 2711.0  | 2711.0  | 2711.0 | 2711.0 | 2711.0 | 2711.0 |
| 2.5°   | 2778.0  | 2757.6  | 2758.7  | 2776.8  | 2724.6  | 2743.9  | 2721.2  | 2743.9 | 2731.5 | 2740.5 | 2745.1 |
| 5°     | 2826.8  | 2806.4  | 2804.1  | 2823.4  | 2779.1  | 2792.7  | 2770.0  | 2785.9 | 2768.9 | 2780.3 | 2780.3 |
| 7.5°   | 2900.5  | 2880.1  | 2873.3  | 2888.1  | 2847.2  | 2857.4  | 2833.6  | 2842.7 | 2823.4 | 2838.1 | 2830.2 |
| 10°    | 2987.9  | 2965.2  | 2957.3  | 2965.2  | 2930.0  | 2935.7  | 2907.3  | 2917.6 | 2889.2 | 2906.2 | 2894.9 |
| 12.5°  | 3081.0  | 3051.5  | 3051.5  | 3058.3  | 3020.8  | 3022.0  | 2995.9  | 3001.5 | 2973.2 | 2991.3 | 2977.7 |
| 15°    | 3182.0  | 3149.1  | 3153.6  | 3160.4  | 3120.7  | 3127.5  | 3100.3  | 3109.3 | 3079.8 | 3098.0 | 3084.4 |
| 17.5°  | 3315.9  | 3280.7  | 3276.2  | 3296.6  | 3259.1  | 3271.6  | 3241.0  | 3252.3 | 3226.2 | 3231.9 | 3225.1 |
| 20°    | 3500.8  | 3456.6  | 3446.4  | 3473.6  | 3431.6  | 3440.7  | 3418.0  | 3440.7 | 3413.5 | 3372.6 | 3258.0 |
| 22.5°  | 3722.1  | 3683.5  | 3666.5  | 3684.7  | 3634.8  | 3650.6  | 3649.5  | 3685.8 | 3610.9 | 3353.3 | 3238.7 |
| 25°    | 4013.8  | 3987.7  | 3954.8  | 3957.0  | 3896.9  | 3920.7  | 3963.8  | 3992.2 | 3673.3 | 3447.5 | 3449.8 |
| 27.5°  | 4403.0  | 4376.9  | 4331.5  | 4314.5  | 4227.1  | 4285.0  | 4351.9  | 4075.1 | 3824.3 | 3882.1 | 3850.4 |
| 30°    | 4900.0  | 4895.5  | 4803.6  | 4774.1  | 4678.8  | 4751.4  | 4693.5  | 4219.2 | 4305.4 | 4386.0 | 4337.2 |
| 32.5°  | 5561.6  | 5529.9  | 5397.1  | 5343.8  | 5243.9  | 5285.9  | 4775.2  | 4707.1 | 4835.4 | 4944.3 | 4893.2 |
| 35°    | 6361.7  | 6265.2  | 6130.2  | 6024.6  | 5851.0  | 5617.2  | 5086.2  | 5218.9 | 5410.7 | 5560.5 | 5313.1 |
| 37.5°  | 7291.1  | 7186.7  | 6975.6  | 6786.1  | 6512.6  | 5784.1  | 5554.8  | 5820.4 | 6060.9 | 5898.7 | 5327.9 |
| 40°    | 8247.7  | 8154.6  | 7956.1  | 7712.1  | 7250.2  | 6301.5  | 6123.4  | 6441.1 | 6714.6 | 5785.2 | 5501.5 |
| 42.5°  | 9197.5  | 9118.1  | 8958.1  | 8717.5  | 8122.9  | 6917.7  | 6746.4  | 7087.9 | 6830.3 | 6006.5 | 5997.4 |
| 45°    | 10155.3 | 10115.6 | 9934.0  | 9728.6  | 9156.7  | 7706.4  | 7444.3  | 7710.9 | 6572.7 | 6536.4 | 6514.9 |
| 47.5°  | 10931.5 | 10938.3 | 10874.8 | 10768.1 | 10259.7 | 8572.2  | 8230.7  | 7439.7 | 6885.9 | 6925.7 | 6935.9 |
| 50°    | 11731.5 | 11680.5 | 11677.1 | 11683.9 | 11471.7 | 9687.8  | 8766.3  | 7317.2 | 7295.6 | 7292.2 | 7283.1 |
| 52.5°  | 12372.7 | 12308.0 | 12441.9 | 12548.6 | 12674.5 | 10932.6 | 8685.7  | 7732.5 | 7608.8 | 7565.7 | 7301.3 |
| 55°    | 12894.7 | 12869.7 | 13087.6 | 13448.5 | 14009.1 | 12251.3 | 9398.4  | 8137.6 | 7890.2 | 6882.5 | 6208.5 |
| 57.5°  | 13211.3 | 13247.6 | 13697.0 | 14406.2 | 15455.9 | 13344.1 | 10227.9 | 8548.4 | 6755.4 | 6062.1 | 6019.0 |
| 60°    | 12605.3 | 12797.1 | 13561.9 | 15118.9 | 16679.2 | 14372.2 | 10845.2 | 8631.3 | 6079.1 | 5708.0 | 5621.8 |
| 62.5°  | 11122.1 | 11104.0 | 12418.1 | 15118.9 | 17067.3 | 14474.3 | 11040.4 | 8044.6 | 5310.8 | 4827.4 | 4731.0 |
| 65°    | 7872.1  | 7919.7  | 9323.5  | 13624.4 | 15547.8 | 13463.2 | 10183.7 | 6839.4 | 4236.2 | 3792.5 | 3662.0 |
| 67.5°  | 4871.7  | 4868.3  | 6242.5  | 10033.9 | 12656.4 | 11271.9 | 8573.4  | 5242.8 | 2940.3 | 2521.5 | 2379.7 |
| 70°    | 1682.9  | 1730.6  | 2807.5  | 5871.4  | 9316.7  | 8831.0  | 6416.1  | 3310.2 | 1550.1 | 1105.3 | 932.8  |
| 72.5°  | 669.5   | 685.4   | 1007.7  | 2618.0  | 5820.4  | 5899.8  | 3899.2  | 1608.0 | 464.1  | 295.0  | 276.9  |
| 75°    | 438.0   | 440.3   | 483.4   | 945.3   | 2824.5  | 3174.0  | 1811.1  | 461.9  | 215.6  | 197.5  | 192.9  |
| 77.5°  | 377.9   | 379.0   | 401.7   | 478.9   | 920.3   | 1234.7  | 515.2   | 273.5  | 180.4  | 162.3  | 157.7  |
| 80°    | 350.7   | 351.8   | 363.1   | 411.9   | 443.7   | 421.0   | 274.6   | 220.2  | 152.1  | 144.1  | 143.0  |
| 82.5°  | 331.4   | 335.9   | 341.6   | 371.1   | 358.6   | 316.6   | 228.1   | 178.2  | 116.9  | 124.8  | 128.2  |
| 85°    | 305.3   | 309.8   | 313.2   | 330.2   | 299.6   | 231.5   | 177.0   | 133.9  | 74.9   | 81.7   | 80.6   |
| 87.5°  | 229.2   | 231.5   | 227.0   | 224.7   | 208.8   | 162.3   | 116.9   | 85.1   | 29.5   | 27.2   | 25.0   |
| 90°    | 110.1   | 108.9   | 104.4   | 96.5    | 84.0    | 65.8    | 48.8    | 27.2   | 12.5   | 5.7    | 2.3    |
| 92.5°  | 87.4    | 86.2    | 84.0    | 76.0    | 65.8    | 48.8    | 35.2    | 19.3   | 11.3   | 4.5    | 1.1    |
| 95°    | 59.0    | 56.7    | 54.5    | 48.8    | 40.9    | 29.5    | 20.4    | 13.6   | 9.1    | 3.4    | 1.1    |
| 97.5°  | 38.6    | 37.4    | 34.0    | 29.5    | 22.7    | 15.9    | 12.5    | 10.2   | 7.9    | 3.4    | 1.1    |
| 100°   | 23.8    | 23.8    | 21.6    | 17.0    | 11.3    | 9.1     | 7.9     | 7.9    | 5.7    | 2.3    | 0.0    |
| 102.5° | 14.8    | 13.6    | 12.5    | 7.9     | 5.7     | 5.7     | 5.7     | 5.7    | 4.5    | 2.3    | 0.0    |
| 105°   | 7.9     | 7.9     | 5.7     | 4.5     | 3.4     | 2.3     | 3.4     | 4.5    | 3.4    | 1.1    | 0.0    |
| 107.5° | 2.3     | 2.3     | 2.3     | 1.1     | 1.1     | 0.0     | 1.1     | 2.3    | 2.3    | 1.1    | 0.0    |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.1    | 2.3    | 1.1    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





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**CANDELA DISTRIBUTION (continued):**

|        | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2711.0 | 2711.0 | 2711.0 | 2711.0 | 2711.0 | 2711.0 | 2711.0 | 2711.0 | 2711.0 | 2711.0 |
| 2.5°   | 2739.4 | 2717.8 | 2723.5 | 2701.9 | 2698.5 | 2675.8 | 2714.4 | 2716.7 | 2706.5 | 2717.8 |
| 5°     | 2774.6 | 2748.5 | 2758.7 | 2732.6 | 2728.0 | 2698.5 | 2729.2 | 2725.8 | 2717.8 | 2726.9 |
| 7.5°   | 2824.5 | 2798.4 | 2804.1 | 2773.4 | 2767.8 | 2734.9 | 2764.4 | 2753.0 | 2742.8 | 2755.3 |
| 10°    | 2893.7 | 2864.2 | 2868.8 | 2832.5 | 2827.9 | 2789.3 | 2823.4 | 2806.4 | 2791.6 | 2808.6 |
| 12.5°  | 2978.8 | 2940.3 | 2935.7 | 2897.1 | 2893.7 | 2857.4 | 2892.6 | 2875.6 | 2860.8 | 2888.1 |
| 15°    | 3076.4 | 3025.4 | 3018.6 | 2969.8 | 2964.1 | 2926.6 | 2960.7 | 2935.7 | 2924.4 | 2959.5 |
| 17.5°  | 3206.9 | 3026.5 | 2925.5 | 2854.0 | 2813.2 | 2792.7 | 2854.0 | 2936.9 | 2911.9 | 2913.0 |
| 20°    | 3153.6 | 2959.5 | 2824.5 | 2763.2 | 2719.0 | 2521.5 | 2249.2 | 2327.5 | 2486.3 | 2564.6 |
| 22.5°  | 3137.7 | 3069.6 | 3014.0 | 2910.8 | 2471.6 | 2360.4 | 2376.3 | 2358.1 | 2058.5 | 1943.9 |
| 25°    | 3441.8 | 3363.5 | 3243.2 | 2701.9 | 2574.9 | 2549.9 | 2559.0 | 2245.8 | 2019.9 | 2052.8 |
| 27.5°  | 3831.1 | 3750.5 | 3157.0 | 2854.0 | 2829.0 | 2796.1 | 2616.8 | 2225.3 | 2256.0 | 2287.7 |
| 30°    | 4321.3 | 3898.0 | 3292.0 | 3199.0 | 3152.5 | 3118.4 | 2453.4 | 2485.2 | 2536.3 | 2576.0 |
| 32.5°  | 4799.1 | 3885.5 | 3679.0 | 3563.3 | 3505.4 | 2844.9 | 2772.3 | 2846.1 | 2898.3 | 2928.9 |
| 35°    | 4804.7 | 4330.4 | 4112.5 | 3963.8 | 3596.2 | 3058.3 | 3125.2 | 3248.9 | 3377.2 | 3401.0 |
| 37.5°  | 4935.2 | 4834.2 | 4584.6 | 4397.3 | 2674.7 | 3413.5 | 3561.0 | 3702.8 | 3831.1 | 3839.0 |
| 40°    | 5455.0 | 5346.0 | 5112.3 | 4700.3 | 2953.9 | 3481.6 | 4041.0 | 4201.0 | 4308.8 | 4303.1 |
| 42.5°  | 5973.6 | 5898.7 | 5655.8 | 4177.2 | 3328.4 | 3016.3 | 4544.9 | 4650.4 | 4718.5 | 4766.1 |
| 45°    | 6495.6 | 6420.7 | 5600.2 | 4586.8 | 3774.3 | 3303.4 | 4422.3 | 5020.3 | 5095.2 | 5119.1 |
| 47.5°  | 6903.0 | 6718.0 | 5131.5 | 5130.4 | 4331.5 | 3671.1 | 3651.8 | 5354.0 | 5419.8 | 5402.8 |
| 50°    | 7279.7 | 5997.4 | 5546.9 | 5308.6 | 4908.0 | 4017.2 | 3883.3 | 4505.1 | 5713.7 | 5688.7 |
| 52.5°  | 6623.8 | 5820.4 | 5903.2 | 4828.6 | 5371.0 | 4361.0 | 4144.3 | 4039.9 | 5191.7 | 5860.1 |
| 55°    | 5923.6 | 6037.1 | 6267.5 | 5305.2 | 3896.9 | 4472.2 | 4365.6 | 4157.9 | 3503.1 | 2948.2 |
| 57.5°  | 6045.1 | 6214.1 | 6225.5 | 5746.6 | 4033.1 | 2793.9 | 3578.0 | 3132.0 | 1979.1 | 1983.6 |
| 60°    | 5639.9 | 5860.1 | 4550.5 | 3831.1 | 2168.6 | 582.2  | 56.7   | 49.9   | 345.0  | 419.9  |
| 62.5°  | 4768.4 | 5074.8 | 4344.0 | 3337.4 | 1391.3 | 21.6   | 5.7    | 1.1    | 0.0    | 0.0    |
| 65°    | 3692.6 | 4061.4 | 3671.1 | 2880.1 | 1234.7 | 6.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 2435.3 | 2767.8 | 2789.3 | 2409.2 | 1029.3 | 3.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 1020.2 | 1436.7 | 1736.2 | 1790.7 | 809.1  | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 295.0  | 456.2  | 835.2  | 1075.8 | 514.1  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°    | 196.3  | 209.9  | 241.7  | 484.6  | 256.5  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 162.3  | 165.7  | 138.4  | 132.8  | 73.8   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 147.5  | 145.3  | 111.2  | 78.3   | 27.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 136.2  | 129.4  | 80.6   | 40.9   | 18.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 91.9   | 90.8   | 36.3   | 25.0   | 3.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 25.0   | 31.8   | 7.9    | 3.4    | 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    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P579524  
 CATALOG NUMBER: CST-CA10-210-750-U-T5N-HSS-HM-EX180

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)