

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: P522110

Luminaire Tested: **CST-CA10-210-722-U-T5R-HSS-HM-EX90**

Issue Date: 5/10/2021

Test Information

Test Method: LM-79-08
Report Number: P522110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-894-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA10-210-722-U-T5R-HSS-HM-EX90
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24086 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U1 - G4

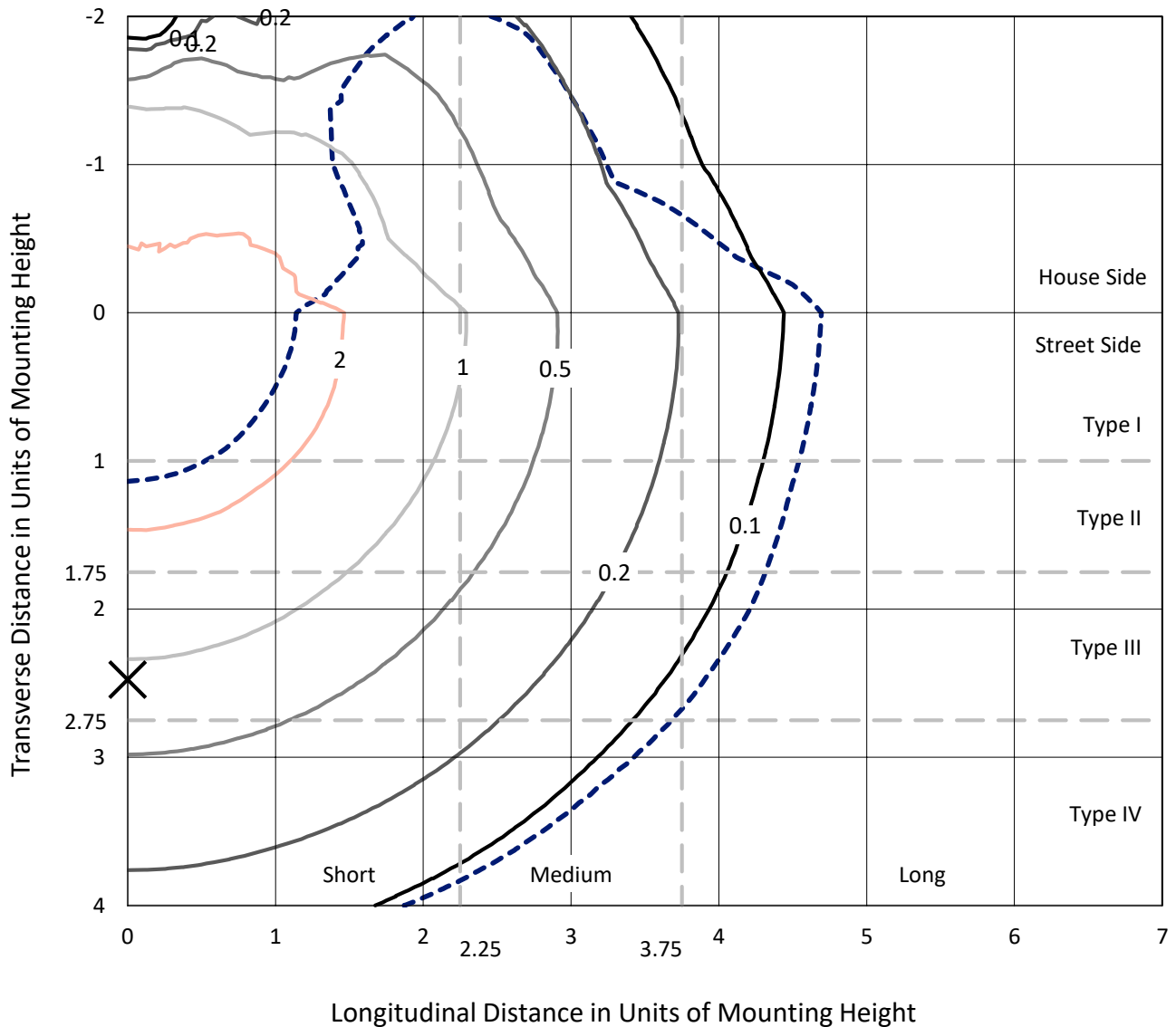
Input Watts (W): 212.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

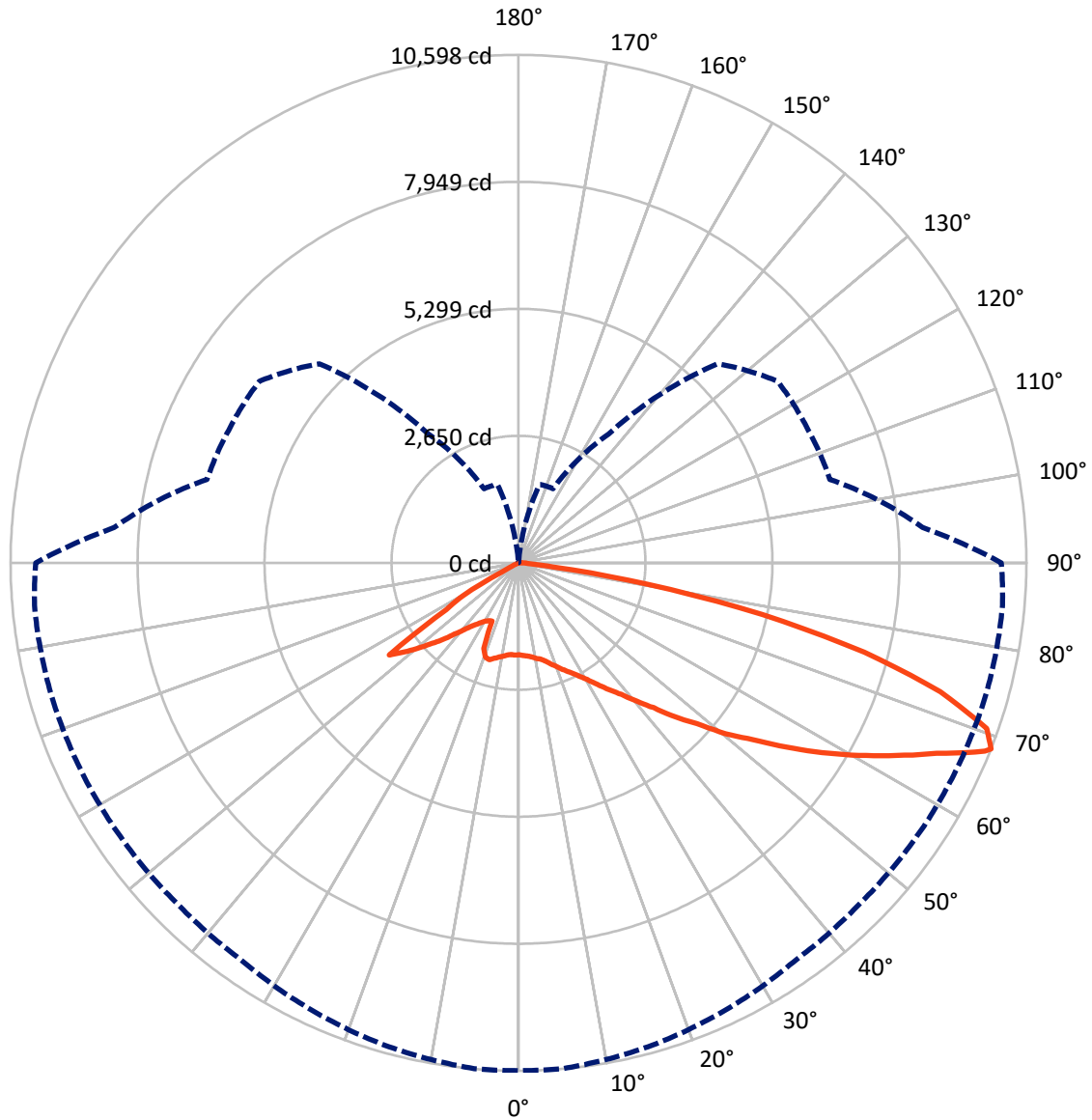
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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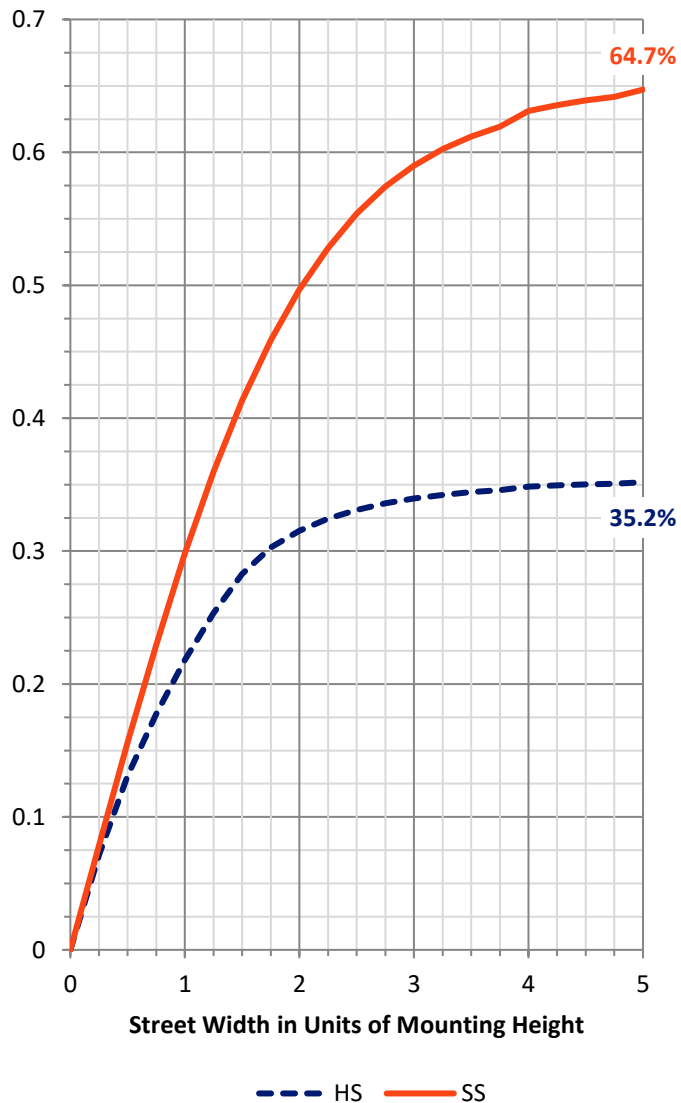
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8476.6 | 1.5 | 8478.1 |
| | % Fixture | 35.2 | 0.0 | 35.2 |
| Street Side | Lumens | 15601.6 | 6.3 | 15607.9 |
| | % Fixture | 64.8 | 0.0 | 64.8 |
| Total | Lumens | 24078.2 | 7.8 | 24086.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 185.4 | 0.8 |
| 10°-20° | 594.1 | 2.5 |
| 20°-30° | 1060.6 | 4.4 |
| 30°-40° | 1725.4 | 7.2 |
| 40°-50° | 2946.5 | 12.2 |
| 50°-60° | 4916.4 | 20.4 |
| 60°-70° | 6839.7 | 28.4 |
| 70°-80° | 5301.8 | 22.0 |
| 80°-90° | 508.0 | 2.1 |
| 90°-100° | 6.1 | 0.0 |
| 100°-110° | 0.5 | 0.0 |
| 110°-120° | 0.3 | 0.0 |
| 120°-130° | 0.2 | 0.0 |
| 130°-140° | 0.2 | 0.0 |
| 140°-150° | 0.2 | 0.0 |
| 150°-160° | 0.2 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 24078.2 | 100.0 |
| 0°-180° | 24086.0 | 100.0 |

Coefficient of Utilization



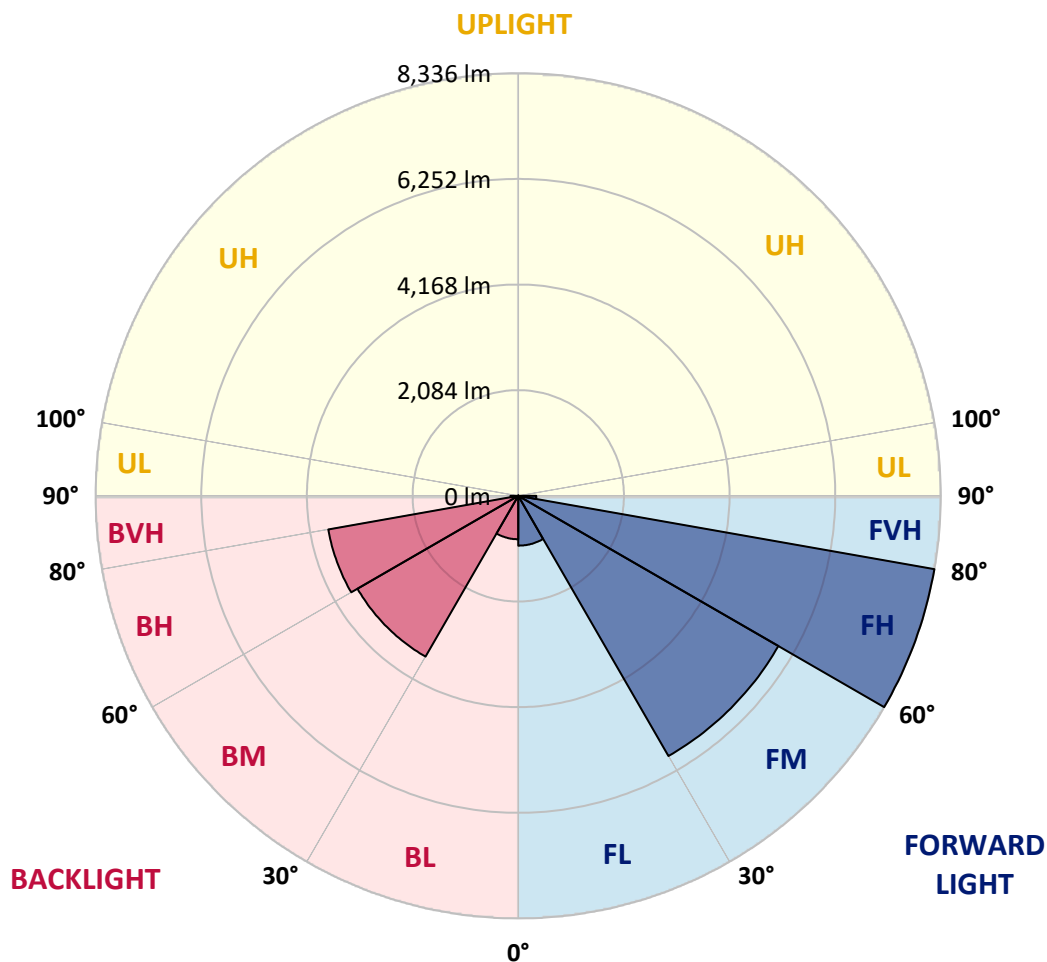
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|----------|
| | | | B | U | G |
| FL (0°-30°) | 983.0 | 4.1 | | | |
| FM (30°-60°) | 5926.8 | 24.6 | | | |
| FH (60°-80°) | 8336.2 | 34.6 | | | G4/12000 |
| FVH (80°-90°) | 355.4 | 1.5 | | | G3/500 |
| BL (0°-30°) | 857.2 | 3.6 | B2/1000 | | |
| BM (30°-60°) | 3661.5 | 15.2 | B3/5000 | | |
| BH (60°-80°) | 3805.3 | 15.8 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 152.6 | 0.6 | | | G2/225 |
| UL (90°-100°) | 6.1 | 0.0 | | U1/10 | |
| UH (100°-180°) | 1.7 | 0.0 | | U1/10 | |

BUG Rating: B4-U1-G4

Type IV Short





REPORT NUMBER: P522110

CATALOG NUMBER: CST-CA10-210-722-U-T5R-HSS-HM-EX90

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 |
| 2.5° | 1938.6 | 1935.9 | 1934.1 | 1945.8 | 1912.3 | 1925.9 | 1916.8 | 1928.6 | 1925.9 | 1931.3 | 1932.2 |
| 5° | 1952.2 | 1947.7 | 1941.3 | 1954.0 | 1934.1 | 1943.1 | 1933.2 | 1938.6 | 1921.4 | 1935.9 | 1937.7 |
| 7.5° | 1983.0 | 1970.3 | 1969.4 | 1973.0 | 1959.4 | 1965.8 | 1948.6 | 1954.9 | 1945.8 | 1940.4 | 1945.8 |
| 10° | 2029.2 | 2018.3 | 2006.6 | 2013.8 | 1991.2 | 1999.3 | 1981.2 | 1986.6 | 1982.1 | 1970.3 | 1981.2 |
| 12.5° | 2060.9 | 2064.6 | 2056.4 | 2061.8 | 2041.9 | 2034.7 | 2028.3 | 2027.4 | 2024.7 | 2007.5 | 2004.8 |
| 15° | 2131.6 | 2133.4 | 2118.9 | 2122.6 | 2118.0 | 2114.4 | 2105.4 | 2098.1 | 2083.6 | 2072.7 | 2065.5 |
| 17.5° | 2224.1 | 2214.1 | 2200.5 | 2204.1 | 2216.8 | 2200.5 | 2195.1 | 2181.5 | 2160.6 | 2142.5 | 2138.9 |
| 20° | 2321.1 | 2314.7 | 2302.0 | 2309.3 | 2308.4 | 2297.5 | 2300.2 | 2277.6 | 2247.6 | 2232.2 | 2220.5 |
| 22.5° | 2428.9 | 2419.8 | 2410.8 | 2424.4 | 2413.5 | 2406.2 | 2403.5 | 2388.1 | 2351.0 | 2333.7 | 2331.0 |
| 25° | 2536.8 | 2532.2 | 2538.6 | 2534.0 | 2518.6 | 2513.2 | 2516.8 | 2511.4 | 2467.9 | 2447.0 | 2434.3 |
| 27.5° | 2671.8 | 2660.9 | 2670.9 | 2665.4 | 2649.1 | 2650.0 | 2650.9 | 2651.9 | 2602.9 | 2575.7 | 2557.6 |
| 30° | 2825.9 | 2822.2 | 2834.9 | 2817.7 | 2802.3 | 2812.3 | 2820.4 | 2802.3 | 2759.7 | 2719.8 | 2713.5 |
| 32.5° | 3026.2 | 3003.5 | 3018.0 | 2996.3 | 2972.7 | 2996.3 | 3010.8 | 2974.5 | 2940.1 | 2889.3 | 2898.4 |
| 35° | 3248.2 | 3241.0 | 3241.0 | 3212.9 | 3200.2 | 3237.3 | 3251.8 | 3216.5 | 3163.0 | 3118.6 | 3107.7 |
| 37.5° | 3483.8 | 3491.1 | 3513.8 | 3502.0 | 3490.2 | 3512.8 | 3545.5 | 3498.3 | 3429.5 | 3382.3 | 3369.7 |
| 40° | 3796.5 | 3814.6 | 3830.1 | 3814.6 | 3801.1 | 3815.6 | 3852.7 | 3791.1 | 3743.0 | 3717.7 | 3690.5 |
| 42.5° | 4132.8 | 4163.6 | 4153.6 | 4155.4 | 4167.2 | 4188.0 | 4225.2 | 4169.0 | 4113.7 | 4112.8 | 4072.9 |
| 45° | 4587.7 | 4587.7 | 4566.9 | 4586.8 | 4585.0 | 4636.7 | 4653.0 | 4622.2 | 4575.9 | 4562.4 | 4527.9 |
| 47.5° | 5012.8 | 5057.2 | 5049.0 | 5078.0 | 5055.4 | 5098.9 | 5154.2 | 5127.9 | 5074.4 | 5026.4 | 5019.1 |
| 50° | 5605.5 | 5594.6 | 5583.8 | 5627.3 | 5623.6 | 5653.5 | 5704.3 | 5688.0 | 5613.7 | 5559.3 | 5549.3 |
| 52.5° | 6126.6 | 6183.7 | 6170.1 | 6235.4 | 6199.1 | 6241.7 | 6302.5 | 6299.7 | 6209.1 | 6155.6 | 6140.2 |
| 55° | 6784.6 | 6822.7 | 6820.0 | 6887.0 | 6837.2 | 6893.4 | 6944.1 | 6949.6 | 6850.8 | 6774.6 | 6798.2 |
| 57.5° | 7469.8 | 7501.5 | 7483.4 | 7538.7 | 7489.7 | 7566.8 | 7597.6 | 7577.6 | 7519.6 | 7423.6 | 7458.9 |
| 60° | 8155.9 | 8183.0 | 8203.9 | 8208.4 | 8180.3 | 8225.6 | 8254.6 | 8271.9 | 8180.3 | 8070.7 | 8113.3 |
| 62.5° | 8852.8 | 8883.6 | 8865.5 | 8872.7 | 8794.8 | 8856.4 | 8892.7 | 8897.2 | 8792.1 | 8695.1 | 8725.0 |
| 65° | 9586.9 | 9629.5 | 9564.3 | 9520.8 | 9424.7 | 9423.8 | 9471.8 | 9480.0 | 9405.7 | 9336.8 | 9325.0 |
| 67.5° | 10495.9 | 10515.0 | 10375.4 | 10229.5 | 10067.3 | 10031.9 | 10065.4 | 10084.5 | 10127.1 | 10125.3 | 10071.8 |
| 68° | 10598.4 | 10594.7 | 10453.3 | 10279.3 | 10105.3 | 10064.5 | 10080.9 | 10105.3 | 10133.4 | 10138.9 | 10074.5 |
| 70° | 10365.4 | 10321.0 | 10240.4 | 10021.0 | 9848.8 | 9741.9 | 9684.8 | 9730.1 | 9654.0 | 9654.9 | 9534.4 |
| 72.5° | 9207.2 | 9201.7 | 9053.1 | 8944.3 | 8791.2 | 8613.5 | 8532.0 | 8531.1 | 8538.3 | 8485.8 | 8361.6 |
| 75° | 7458.0 | 7465.3 | 7292.1 | 7216.9 | 7169.8 | 7136.3 | 7153.5 | 7207.0 | 7212.4 | 7211.5 | 7168.0 |
| 77.5° | 5201.3 | 5231.2 | 5185.0 | 5062.6 | 5194.0 | 5306.4 | 5523.0 | 5633.6 | 5598.3 | 5704.3 | 5771.4 |
| 80° | 2726.2 | 2786.0 | 2787.8 | 2873.9 | 2979.9 | 3082.4 | 3269.1 | 3436.7 | 3313.5 | 3259.1 | 3202.9 |
| 82.5° | 716.9 | 738.6 | 771.3 | 721.4 | 736.8 | 752.2 | 897.2 | 883.6 | 815.7 | 851.9 | 906.3 |
| 85° | 204.8 | 211.2 | 202.1 | 183.1 | 167.7 | 154.1 | 157.7 | 133.2 | 116.0 | 115.1 | 111.5 |
| 87.5° | 144.1 | 155.0 | 136.9 | 117.8 | 106.0 | 98.8 | 95.2 | 80.7 | 65.3 | 57.1 | 45.3 |
| 90° | 67.1 | 66.2 | 57.1 | 44.4 | 39.0 | 37.2 | 37.2 | 29.0 | 16.3 | 10.0 | 9.1 |
| 92.5° | 28.1 | 29.0 | 23.6 | 19.0 | 16.3 | 12.7 | 10.0 | 6.3 | 3.6 | 1.8 | 0.9 |
| 95° | 10.0 | 10.9 | 9.1 | 7.3 | 6.3 | 5.4 | 4.5 | 3.6 | 1.8 | 0.9 | 0.9 |
| 97.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 0.9 | 0.9 |
| 100° | 0.0 | 0.0 | 0.0 | 0.9 | 1.8 | 1.8 | 1.8 | 1.8 | 0.9 | 0.9 | 0.9 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 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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CATALOG NUMBER: CST-CA10-210-722-U-T5R-HSS-HM-EX90

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 | 1916.8 |
| 2.5° | 1930.4 | 1925.9 | 1924.1 | 1901.4 | 1907.8 | 1894.2 | 1925.9 | 1916.8 | 1915.0 | 1927.7 |
| 5° | 1935.0 | 1914.1 | 1926.8 | 1912.3 | 1915.9 | 1896.0 | 1921.4 | 1910.5 | 1911.4 | 1917.7 |
| 7.5° | 1937.7 | 1925.9 | 1938.6 | 1913.2 | 1923.2 | 1915.9 | 1934.1 | 1923.2 | 1934.1 | 1939.5 |
| 10° | 1964.9 | 1959.4 | 1950.4 | 1943.1 | 1950.4 | 1933.2 | 1955.8 | 1954.0 | 1960.3 | 1976.7 |
| 12.5° | 2002.0 | 1995.7 | 1986.6 | 1973.9 | 1979.4 | 1973.0 | 1990.3 | 1992.1 | 2003.8 | 2012.0 |
| 15° | 2057.3 | 2049.2 | 2044.6 | 2031.9 | 2033.8 | 2029.2 | 2039.2 | 2041.0 | 2064.6 | 2061.8 |
| 17.5° | 2135.3 | 2126.2 | 2129.8 | 2118.0 | 2113.5 | 2102.6 | 2084.5 | 2078.2 | 2106.3 | 2114.4 |
| 20° | 2220.5 | 2210.5 | 2215.0 | 2205.0 | 2120.8 | 1949.5 | 2064.6 | 2143.4 | 2083.6 | 2079.1 |
| 22.5° | 2317.4 | 2306.6 | 2310.2 | 2294.8 | 2190.5 | 1869.7 | 1626.8 | 1606.9 | 1835.3 | 1927.7 |
| 25° | 2424.4 | 2409.9 | 2408.1 | 2388.1 | 2045.5 | 1693.0 | 1665.8 | 1630.4 | 1463.7 | 1331.4 |
| 27.5° | 2556.7 | 2534.9 | 2524.1 | 2223.2 | 2031.0 | 1759.1 | 1718.4 | 1592.4 | 1350.4 | 1358.6 |
| 30° | 2699.9 | 2668.2 | 2464.2 | 2265.8 | 2137.1 | 1837.1 | 1782.7 | 1395.7 | 1397.5 | 1393.9 |
| 32.5° | 2863.0 | 2792.3 | 2414.4 | 2396.3 | 2264.0 | 1920.5 | 1480.0 | 1463.7 | 1465.5 | 1470.9 |
| 35° | 3076.9 | 2592.0 | 2582.1 | 2583.0 | 2418.9 | 1857.9 | 1567.9 | 1552.5 | 1554.3 | 1557.9 |
| 37.5° | 3122.2 | 2794.1 | 2796.0 | 2775.1 | 2583.9 | 1697.5 | 1674.9 | 1673.9 | 1670.3 | 1666.7 |
| 40° | 3158.5 | 3048.8 | 3022.5 | 2989.0 | 2395.4 | 1828.0 | 1820.8 | 1815.3 | 1818.1 | 1825.3 |
| 42.5° | 3442.2 | 3359.7 | 3334.3 | 3294.4 | 2457.0 | 2025.6 | 2002.0 | 1995.7 | 2002.9 | 1999.3 |
| 45° | 3819.2 | 3750.3 | 3700.5 | 3046.1 | 2714.4 | 2240.4 | 2221.4 | 2213.2 | 2215.9 | 2238.6 |
| 47.5° | 4218.0 | 4177.2 | 4024.9 | 3290.8 | 3014.4 | 2494.2 | 2475.1 | 2462.4 | 2467.0 | 2461.5 |
| 50° | 4652.1 | 4614.9 | 3725.8 | 3659.7 | 3346.1 | 2767.9 | 2739.8 | 2735.2 | 2737.0 | 2736.1 |
| 52.5° | 5123.4 | 4346.6 | 4129.1 | 4060.3 | 3695.9 | 3054.3 | 3044.3 | 3019.8 | 3025.3 | 3019.8 |
| 55° | 5676.2 | 4578.7 | 4573.2 | 4492.6 | 4089.3 | 3386.9 | 3375.1 | 3340.6 | 3124.0 | 3313.5 |
| 57.5° | 6201.0 | 5021.8 | 5021.8 | 4943.9 | 4491.7 | 3717.7 | 3698.6 | 3673.3 | 2220.5 | 1790.9 |
| 60° | 6775.6 | 5465.9 | 5453.3 | 5388.9 | 4879.6 | 4033.1 | 3278.1 | 3270.9 | 1341.3 | 1345.9 |
| 62.5° | 7272.2 | 5862.0 | 5884.7 | 5824.8 | 5253.0 | 3019.8 | 1519.0 | 1488.2 | 132.3 | 203.9 |
| 65° | 7828.7 | 6299.7 | 6326.9 | 6265.3 | 5657.2 | 3202.9 | 1648.6 | 1633.2 | 29.9 | 27.2 |
| 67.5° | 8459.5 | 6736.6 | 6675.0 | 6607.0 | 5893.7 | 3298.1 | 1712.9 | 1699.3 | 8.2 | 5.4 |
| 68° | 8464.9 | 6727.5 | 6647.8 | 6601.5 | 5871.1 | 3279.9 | 1707.5 | 1694.8 | 8.2 | 5.4 |
| 70° | 8029.9 | 6388.6 | 6308.8 | 6320.6 | 5590.1 | 3136.7 | 1636.8 | 1613.2 | 8.2 | 5.4 |
| 72.5° | 7044.7 | 5685.3 | 5595.5 | 5532.1 | 4957.5 | 2788.7 | 1467.3 | 1422.9 | 8.2 | 5.4 |
| 75° | 6027.8 | 4817.9 | 4669.3 | 4529.7 | 3988.7 | 2282.1 | 1203.6 | 1153.7 | 8.2 | 5.4 |
| 77.5° | 4750.9 | 3672.4 | 3461.2 | 3369.7 | 2997.2 | 1685.7 | 894.5 | 840.1 | 8.2 | 4.5 |
| 80° | 2625.6 | 2107.2 | 1927.7 | 1871.5 | 1713.8 | 990.6 | 513.0 | 480.3 | 7.3 | 4.5 |
| 82.5° | 678.8 | 509.3 | 444.1 | 428.7 | 402.4 | 234.7 | 125.1 | 118.7 | 6.3 | 3.6 |
| 85° | 97.0 | 71.6 | 78.8 | 93.3 | 89.7 | 60.7 | 43.5 | 37.2 | 5.4 | 2.7 |
| 87.5° | 50.8 | 42.6 | 49.8 | 56.2 | 57.1 | 35.3 | 18.1 | 10.0 | 2.7 | 0.0 |
| 90° | 8.2 | 8.2 | 9.1 | 10.0 | 10.0 | 4.5 | 3.6 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.9 | 1.8 | 0.9 | 0.9 | 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° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.9 | 0.9 | 0.9 | 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)