

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: P522183

Luminaire Tested: **CTN-CA6-230-727-U-T5R-HSS-HM-EX120**

Issue Date: 5/10/2021

Test Information

Test Method: LM-79-08
Report Number: P522183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-894-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: CTN-CA6-230-727-U-T5R-HSS-HM-EX120
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22477 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U1 - G4

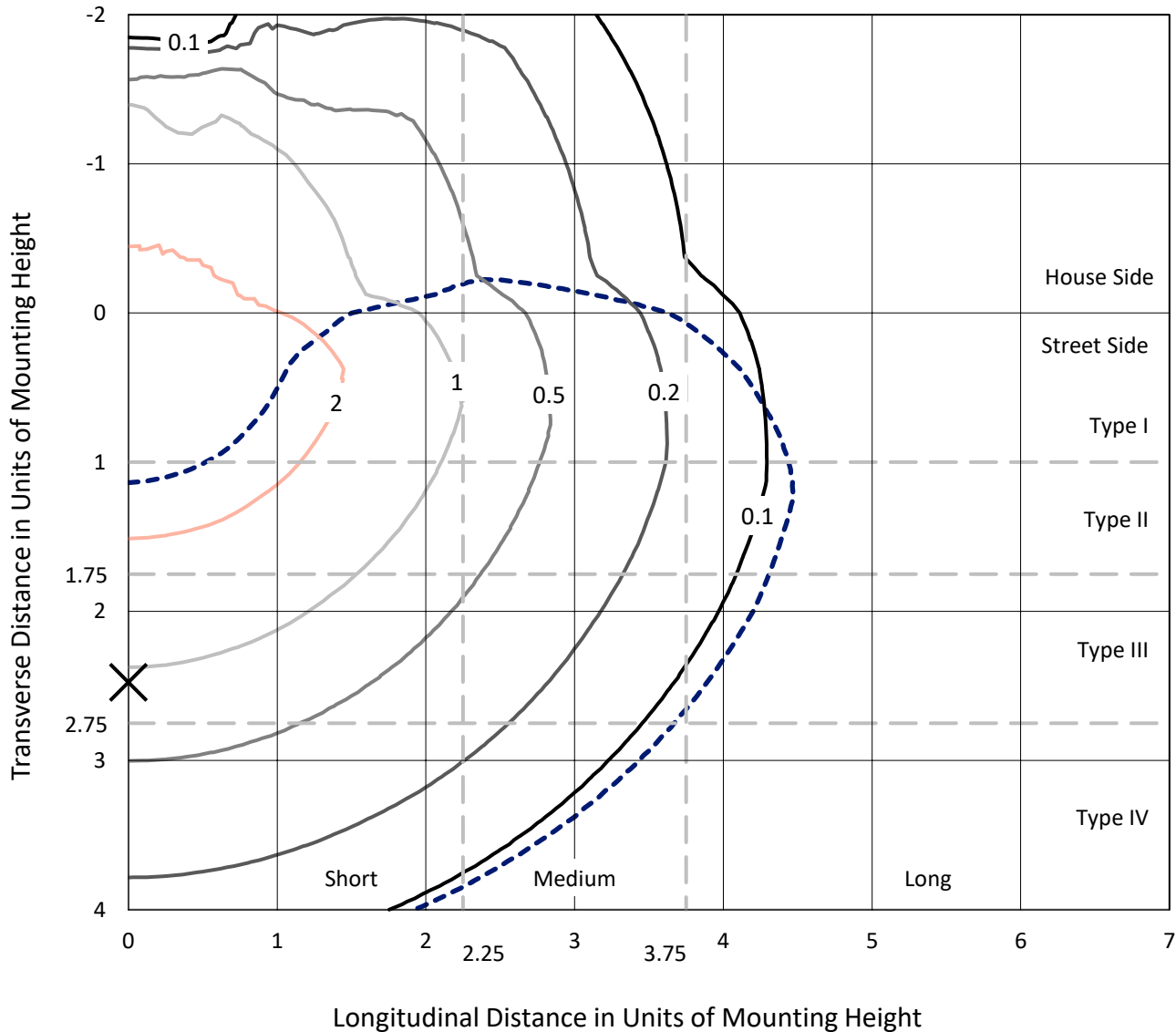
Input Watts (W): 227.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P522183
 CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

Iso-Footcandle Lines of Horizontal Illumination

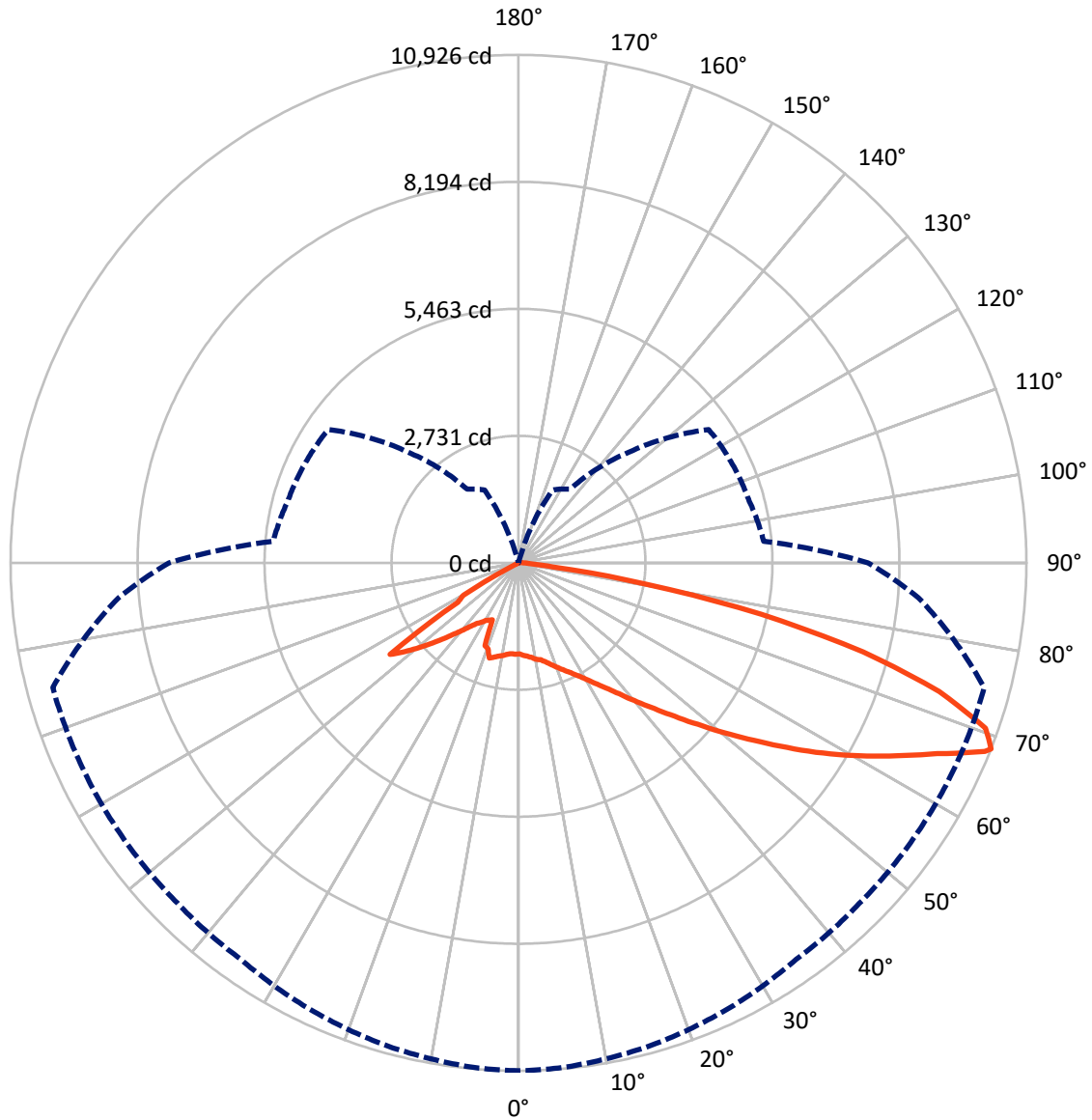
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P522183
CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

Luminous Intensity Polar Plot



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

REPORT NUMBER: P522183
 CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

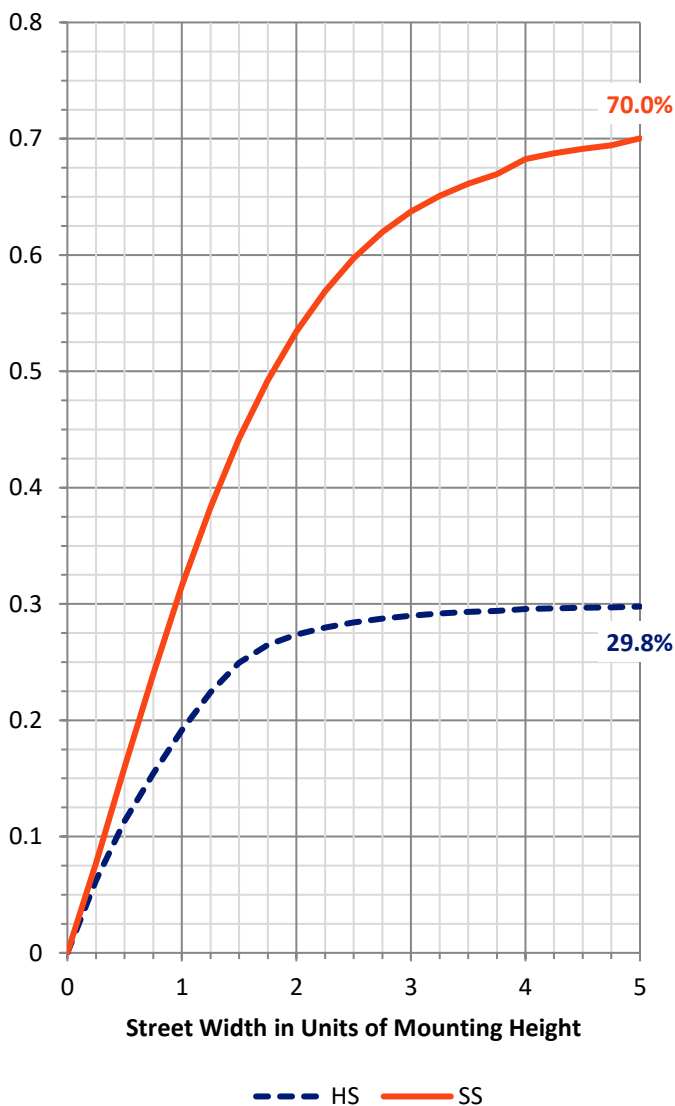
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6700.1 | 1.0 | 6701.2 |
| | % Fixture | 29.8 | 0.0 | 29.8 |
| Street Side | Lumens | 15766.6 | 9.2 | 15775.8 |
| | % Fixture | 70.1 | 0.0 | 70.2 |
| Total | Lumens | 22466.8 | 10.2 | 22477.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 190.2 | 0.8 |
| 10°-20° | 605.3 | 2.7 |
| 20°-30° | 1036.8 | 4.6 |
| 30°-40° | 1682.0 | 7.5 |
| 40°-50° | 2836.6 | 12.6 |
| 50°-60° | 4623.7 | 20.6 |
| 60°-70° | 6201.1 | 27.6 |
| 70°-80° | 4816.7 | 21.4 |
| 80°-90° | 474.4 | 2.1 |
| 90°-100° | 9.0 | 0.0 |
| 100°-110° | 0.5 | 0.0 |
| 110°-120° | 0.1 | 0.0 |
| 120°-130° | 0.1 | 0.0 |
| 130°-140° | 0.1 | 0.0 |
| 140°-150° | 0.1 | 0.0 |
| 150°-160° | 0.1 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 22466.8 | 100.0 |
| 0°-180° | 22477.0 | 100.0 |

Coefficient of Utilization



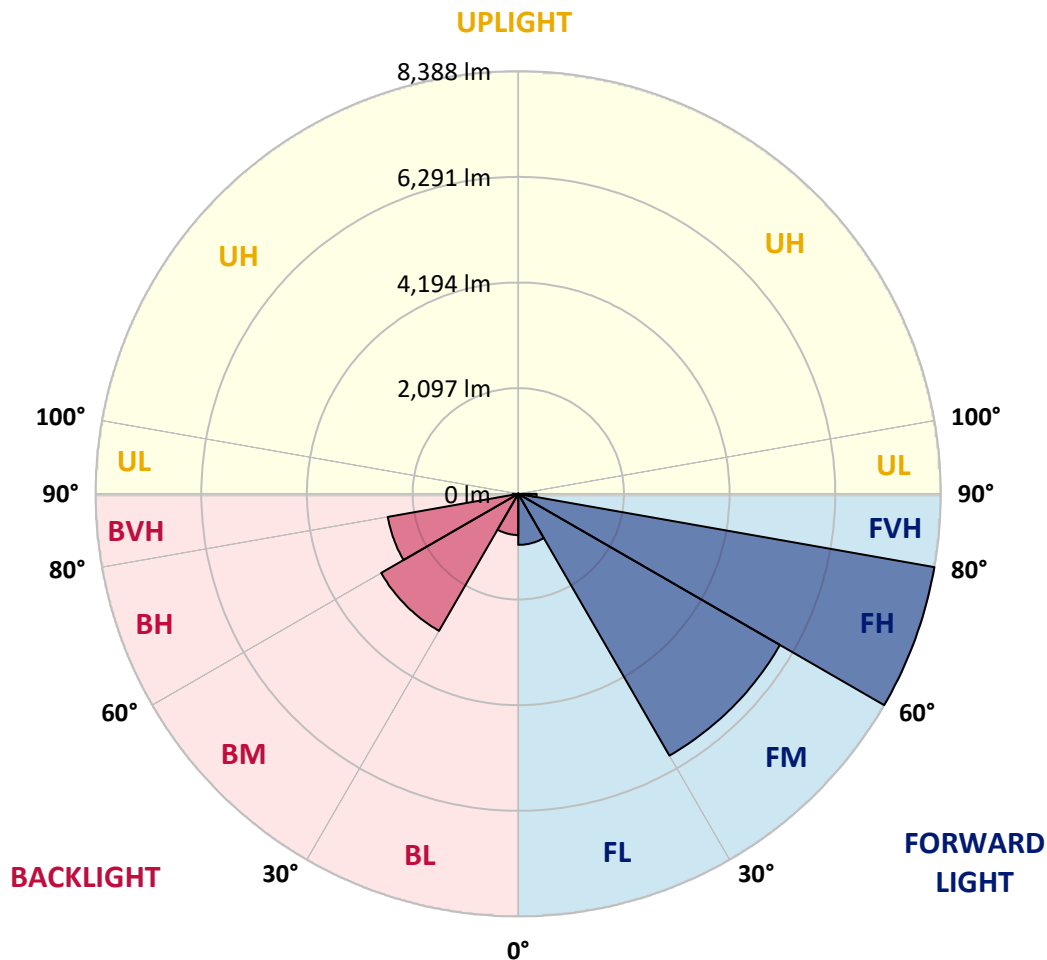
REPORT NUMBER: P522183
 CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|-------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1013.8 | 4.5 | | | |
| FM (30°-60°) | 5999.9 | 26.7 | | | |
| FH (60°-80°) | 8388.2 | 37.3 | | | G4/12000 |
| FVH (80°-90°) | 364.7 | 1.6 | | | G3/500 |
| BL (0°-30°) | 818.5 | 3.6 | B2/1000 | | |
| BM (30°-60°) | 3142.3 | 14.0 | B3/5000 | | |
| BH (60°-80°) | 2629.7 | 11.7 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 109.6 | 0.5 | | | G2/225 |
| UL (90°-100°) | 9.0 | 0.0 | | U1/10 | |
| UH (100°-180°) | 1.2 | 0.0 | | U1/10 | |

BUG Rating: B4-U1-G4

Type IV Short





REPORT NUMBER: P522183

CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 |
| 2.5° | 1992.1 | 1986.5 | 1985.6 | 1996.8 | 1961.4 | 1979.1 | 1963.3 | 1976.3 | 1967.9 | 1974.5 | 1975.4 |
| 5° | 2019.1 | 2008.8 | 2002.3 | 2015.4 | 1993.0 | 2001.4 | 1983.7 | 1989.3 | 1966.1 | 1979.1 | 1981.0 |
| 7.5° | 2058.1 | 2041.4 | 2039.5 | 2043.2 | 2023.7 | 2030.2 | 2001.4 | 2007.9 | 1991.2 | 1983.7 | 1990.3 |
| 10° | 2111.1 | 2095.3 | 2083.2 | 2091.6 | 2065.6 | 2069.3 | 2038.6 | 2039.5 | 2027.4 | 2013.5 | 2024.7 |
| 12.5° | 2140.8 | 2142.7 | 2137.1 | 2143.6 | 2122.3 | 2110.2 | 2088.8 | 2081.4 | 2069.3 | 2052.5 | 2047.0 |
| 15° | 2215.2 | 2211.5 | 2200.3 | 2210.6 | 2207.8 | 2196.6 | 2170.6 | 2153.9 | 2127.8 | 2118.5 | 2109.2 |
| 17.5° | 2306.3 | 2294.2 | 2284.9 | 2298.0 | 2311.9 | 2288.7 | 2263.6 | 2240.3 | 2205.9 | 2187.3 | 2176.2 |
| 20° | 2402.1 | 2393.7 | 2384.4 | 2404.9 | 2409.5 | 2391.8 | 2373.2 | 2338.9 | 2298.9 | 2274.7 | 2251.5 |
| 22.5° | 2509.0 | 2492.2 | 2495.0 | 2522.0 | 2513.6 | 2505.2 | 2481.1 | 2453.2 | 2404.9 | 2374.2 | 2307.2 |
| 25° | 2619.6 | 2610.3 | 2623.3 | 2635.4 | 2628.9 | 2611.2 | 2599.1 | 2578.7 | 2524.8 | 2487.6 | 2390.0 |
| 27.5° | 2757.2 | 2742.3 | 2759.0 | 2763.7 | 2758.1 | 2753.5 | 2736.7 | 2720.9 | 2662.4 | 2620.5 | 2498.7 |
| 30° | 2918.9 | 2901.3 | 2928.2 | 2921.7 | 2916.1 | 2919.8 | 2909.6 | 2875.2 | 2823.2 | 2766.5 | 2644.7 |
| 32.5° | 3111.3 | 3088.1 | 3118.8 | 3104.8 | 3091.8 | 3117.9 | 3093.7 | 3061.1 | 2999.8 | 2933.8 | 2814.8 |
| 35° | 3334.4 | 3335.4 | 3351.2 | 3327.9 | 3323.3 | 3351.2 | 3335.4 | 3295.4 | 3238.7 | 3169.9 | 3000.7 |
| 37.5° | 3605.0 | 3597.5 | 3637.5 | 3626.3 | 3609.6 | 3646.8 | 3651.4 | 3601.2 | 3499.0 | 3431.1 | 3231.3 |
| 40° | 3934.0 | 3932.2 | 3945.2 | 3947.0 | 3942.4 | 3960.1 | 3968.4 | 3901.5 | 3835.5 | 3733.2 | 3049.1 |
| 42.5° | 4285.4 | 4292.9 | 4316.1 | 4299.4 | 4321.7 | 4344.9 | 4347.7 | 4291.9 | 4197.1 | 3581.7 | 3238.7 |
| 45° | 4707.5 | 4730.7 | 4746.5 | 4742.8 | 4753.0 | 4786.5 | 4789.3 | 4759.5 | 4666.5 | 3880.1 | 3582.6 |
| 47.5° | 5191.8 | 5214.1 | 5218.7 | 5248.5 | 5239.2 | 5286.6 | 5280.1 | 5281.0 | 5181.5 | 4295.6 | 3957.3 |
| 50° | 5748.6 | 5758.8 | 5796.9 | 5813.7 | 5790.4 | 5854.6 | 5837.8 | 5858.3 | 5735.6 | 4771.6 | 4359.8 |
| 52.5° | 6339.8 | 6357.5 | 6373.3 | 6436.5 | 6406.7 | 6462.5 | 6440.2 | 6487.6 | 6345.4 | 5255.9 | 4806.9 |
| 55° | 7011.9 | 7014.7 | 7041.7 | 7105.8 | 7066.8 | 7133.7 | 7101.1 | 7118.8 | 7005.4 | 5791.4 | 5272.6 |
| 57.5° | 7724.0 | 7714.7 | 7724.9 | 7776.0 | 7740.7 | 7790.9 | 7777.9 | 7794.6 | 7688.7 | 6354.7 | 5612.9 |
| 60° | 8428.6 | 8414.7 | 8429.5 | 8463.9 | 8415.6 | 8502.0 | 8455.6 | 8471.4 | 8357.0 | 6930.1 | 6098.1 |
| 62.5° | 9137.0 | 9126.7 | 9110.0 | 9144.4 | 9073.7 | 9118.4 | 9137.9 | 9111.9 | 9011.5 | 7450.7 | 6520.2 |
| 65° | 9897.4 | 9887.1 | 9825.8 | 9847.2 | 9720.7 | 9699.4 | 9706.8 | 9715.2 | 9648.2 | 7966.6 | 6983.1 |
| 67.5° | 10821.4 | 10806.5 | 10691.2 | 10546.2 | 10364.0 | 10324.0 | 10327.8 | 10350.1 | 10359.4 | 8630.3 | 7525.0 |
| 68° | 10925.5 | 10898.5 | 10770.2 | 10602.0 | 10411.4 | 10364.9 | 10360.3 | 10364.9 | 10369.6 | 8635.9 | 7519.5 |
| 70° | 10659.6 | 10649.4 | 10551.8 | 10348.2 | 10153.0 | 10041.4 | 9944.8 | 9941.1 | 9896.4 | 8194.3 | 7103.9 |
| 72.5° | 9459.5 | 9446.5 | 9330.3 | 9186.2 | 9065.4 | 8890.6 | 8765.1 | 8772.6 | 8699.1 | 7242.4 | 6218.0 |
| 75° | 7655.2 | 7654.3 | 7514.8 | 7394.0 | 7395.8 | 7382.8 | 7341.0 | 7414.4 | 7338.2 | 6142.7 | 5303.3 |
| 77.5° | 5334.9 | 5353.5 | 5344.2 | 5273.6 | 5373.0 | 5510.6 | 5660.3 | 5801.6 | 5757.9 | 4852.5 | 4228.7 |
| 80° | 2786.9 | 2839.0 | 3023.0 | 3031.4 | 3101.1 | 3235.0 | 3337.2 | 3432.1 | 3438.6 | 2753.5 | 2443.0 |
| 82.5° | 740.9 | 756.7 | 819.0 | 801.3 | 795.7 | 822.7 | 845.0 | 847.8 | 849.6 | 717.6 | 670.2 |
| 85° | 230.5 | 237.0 | 229.6 | 219.4 | 203.6 | 185.9 | 181.3 | 147.8 | 117.1 | 96.7 | 84.6 |
| 87.5° | 163.6 | 174.8 | 158.0 | 148.7 | 132.0 | 125.5 | 112.5 | 88.3 | 68.8 | 48.3 | 32.5 |
| 90° | 84.6 | 86.5 | 77.2 | 66.0 | 61.4 | 57.6 | 49.3 | 35.3 | 17.7 | 9.3 | 8.4 |
| 92.5° | 42.8 | 43.7 | 38.1 | 32.5 | 27.9 | 24.2 | 18.6 | 10.2 | 5.6 | 2.8 | 0.9 |
| 95° | 16.7 | 17.7 | 15.8 | 13.9 | 11.2 | 8.4 | 7.4 | 5.6 | 3.7 | 1.9 | 0.9 |
| 97.5° | 5.6 | 5.6 | 5.6 | 4.6 | 4.6 | 4.6 | 4.6 | 3.7 | 2.8 | 1.9 | 0.9 |
| 100° | 0.0 | 0.0 | 0.0 | 0.9 | 1.9 | 2.8 | 2.8 | 2.8 | 1.9 | 0.9 | 0.9 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.9 | 1.9 | 1.9 | 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 |



REPORT NUMBER: P522183
 CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

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 | 0.0 | 0.9 | 0.9 | 0.9 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 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 | 0.9 |
| 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 | 0.9 | 0.9 | 0.9 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



REPORT NUMBER: P522183

CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 | 1959.6 |
| 2.5° | 1970.7 | 1965.2 | 1967.9 | 1944.7 | 1950.3 | 1935.4 | 1967.0 | 1958.6 | 1954.9 | 1967.9 |
| 5° | 1975.4 | 1954.9 | 1971.7 | 1955.9 | 1958.6 | 1937.3 | 1963.3 | 1953.1 | 1952.1 | 1959.6 |
| 7.5° | 1977.2 | 1967.0 | 1982.8 | 1956.8 | 1965.2 | 1956.8 | 1976.3 | 1966.1 | 1975.4 | 1981.9 |
| 10° | 2003.3 | 1997.7 | 1995.8 | 1986.5 | 1993.0 | 1974.5 | 1998.6 | 1998.6 | 2003.3 | 2020.9 |
| 12.5° | 2041.4 | 2033.9 | 2029.3 | 2012.6 | 2019.1 | 2013.5 | 2033.0 | 2036.7 | 2045.1 | 2052.5 |
| 15° | 2093.4 | 2080.4 | 2075.8 | 2060.9 | 2065.6 | 2064.6 | 2078.6 | 2079.5 | 2098.1 | 2097.2 |
| 17.5° | 2160.4 | 2141.8 | 2147.4 | 2136.2 | 2137.1 | 2129.7 | 2122.3 | 2122.3 | 2139.0 | 2142.7 |
| 20° | 2240.3 | 2134.3 | 1994.9 | 1916.8 | 1902.9 | 1913.1 | 1953.1 | 2019.1 | 1936.3 | 1959.6 |
| 22.5° | 2096.2 | 2000.5 | 1994.0 | 1976.3 | 1965.2 | 1716.0 | 1651.9 | 1631.4 | 1738.3 | 1922.4 |
| 25° | 2114.8 | 2073.9 | 2061.8 | 2039.5 | 1710.4 | 1707.7 | 1689.1 | 1658.4 | 1355.3 | 1348.8 |
| 27.5° | 2213.4 | 2173.4 | 2153.9 | 1786.7 | 1779.2 | 1778.3 | 1750.4 | 1442.7 | 1373.0 | 1382.3 |
| 30° | 2328.6 | 2282.1 | 1932.6 | 1876.8 | 1870.3 | 1855.5 | 1695.6 | 1425.1 | 1424.1 | 1425.1 |
| 32.5° | 2461.6 | 2307.2 | 1988.4 | 1985.6 | 1989.3 | 1943.8 | 1502.2 | 1496.6 | 1495.7 | 1505.0 |
| 35° | 2643.8 | 2140.8 | 2127.8 | 2141.8 | 2122.3 | 1680.7 | 1592.4 | 1589.6 | 1590.5 | 1585.9 |
| 37.5° | 2522.9 | 2308.2 | 2305.4 | 2305.4 | 2259.8 | 1719.7 | 1702.1 | 1715.1 | 1713.2 | 1706.7 |
| 40° | 2574.0 | 2510.8 | 2494.1 | 2488.5 | 1910.3 | 1855.5 | 1845.2 | 1862.0 | 1864.8 | 1869.4 |
| 42.5° | 2822.2 | 2764.6 | 2756.2 | 2690.2 | 2078.6 | 2060.9 | 2029.3 | 2047.0 | 2045.1 | 2050.7 |
| 45° | 3127.1 | 3088.1 | 3051.8 | 2332.3 | 2305.4 | 2283.1 | 2250.5 | 2271.0 | 2276.6 | 2272.9 |
| 47.5° | 3482.2 | 3439.5 | 3177.3 | 2564.7 | 2563.8 | 2546.2 | 2509.9 | 2526.6 | 2523.8 | 2523.8 |
| 50° | 3839.2 | 3792.7 | 2886.4 | 2860.4 | 2851.1 | 2823.2 | 2793.4 | 2796.2 | 2797.1 | 2806.4 |
| 52.5° | 4238.0 | 3387.4 | 3195.0 | 3142.9 | 3150.4 | 3131.8 | 3103.0 | 2349.1 | 3089.0 | 3097.4 |
| 55° | 3961.0 | 3545.5 | 3534.3 | 3465.5 | 3483.2 | 3459.0 | 3440.4 | 2317.5 | 3072.3 | 3394.9 |
| 57.5° | 3916.4 | 3886.6 | 3877.3 | 3806.7 | 3829.0 | 3599.4 | 3771.4 | 2535.9 | 2125.0 | 1552.4 |
| 60° | 4257.5 | 4225.9 | 4220.3 | 4158.1 | 4156.2 | 2860.4 | 3428.3 | 1739.3 | 1359.1 | 1368.4 |
| 62.5° | 4588.5 | 4537.3 | 4551.3 | 4477.8 | 3156.9 | 1743.0 | 1536.6 | 39.0 | 62.3 | 66.0 |
| 65° | 4957.5 | 4872.0 | 4885.9 | 4818.1 | 3256.4 | 1837.8 | 1661.2 | 20.5 | 17.7 | 16.7 |
| 67.5° | 5312.6 | 5163.0 | 5091.4 | 5019.8 | 3381.9 | 1935.4 | 1730.9 | 5.6 | 0.0 | 0.0 |
| 68° | 5295.0 | 5136.9 | 5063.5 | 4995.6 | 3368.8 | 1932.6 | 1727.2 | 5.6 | 0.0 | 0.0 |
| 70° | 4996.6 | 4854.3 | 4784.6 | 4732.6 | 3216.4 | 1866.6 | 1657.5 | 5.6 | 0.0 | 0.0 |
| 72.5° | 4368.2 | 4289.1 | 4244.5 | 4199.0 | 2857.6 | 1669.5 | 1486.4 | 5.6 | 0.0 | 0.0 |
| 75° | 3711.9 | 3689.5 | 3661.7 | 3561.3 | 2381.6 | 1366.5 | 1221.5 | 5.6 | 0.0 | 0.0 |
| 77.5° | 2941.2 | 2940.3 | 2872.4 | 2754.4 | 1793.2 | 1003.0 | 900.8 | 4.6 | 0.0 | 0.0 |
| 80° | 1590.5 | 1733.7 | 1681.6 | 1621.2 | 1017.0 | 545.7 | 519.6 | 3.7 | 0.0 | 0.0 |
| 82.5° | 447.1 | 423.0 | 406.2 | 380.2 | 213.8 | 119.0 | 116.2 | 3.7 | 0.0 | 0.0 |
| 85° | 62.3 | 68.8 | 76.2 | 86.5 | 49.3 | 31.6 | 27.9 | 1.9 | 0.0 | 0.0 |
| 87.5° | 35.3 | 40.0 | 49.3 | 51.1 | 18.6 | 14.9 | 4.6 | 0.0 | 0.0 | 0.0 |
| 90° | 7.4 | 8.4 | 9.3 | 9.3 | 3.7 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P522183
 CATALOG NUMBER: CTN-CA6-230-727-U-T5R-HSS-HM-EX120

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.9 | 0.9 | 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)