

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: P579396

Luminaire Tested: **CST-CA10-760-722-U-T5-HSS-HM-EX90**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/18/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA10-760-722-U-T5-HSS-HM-EX90
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD
Light Source: (10) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70092 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U2 - G5

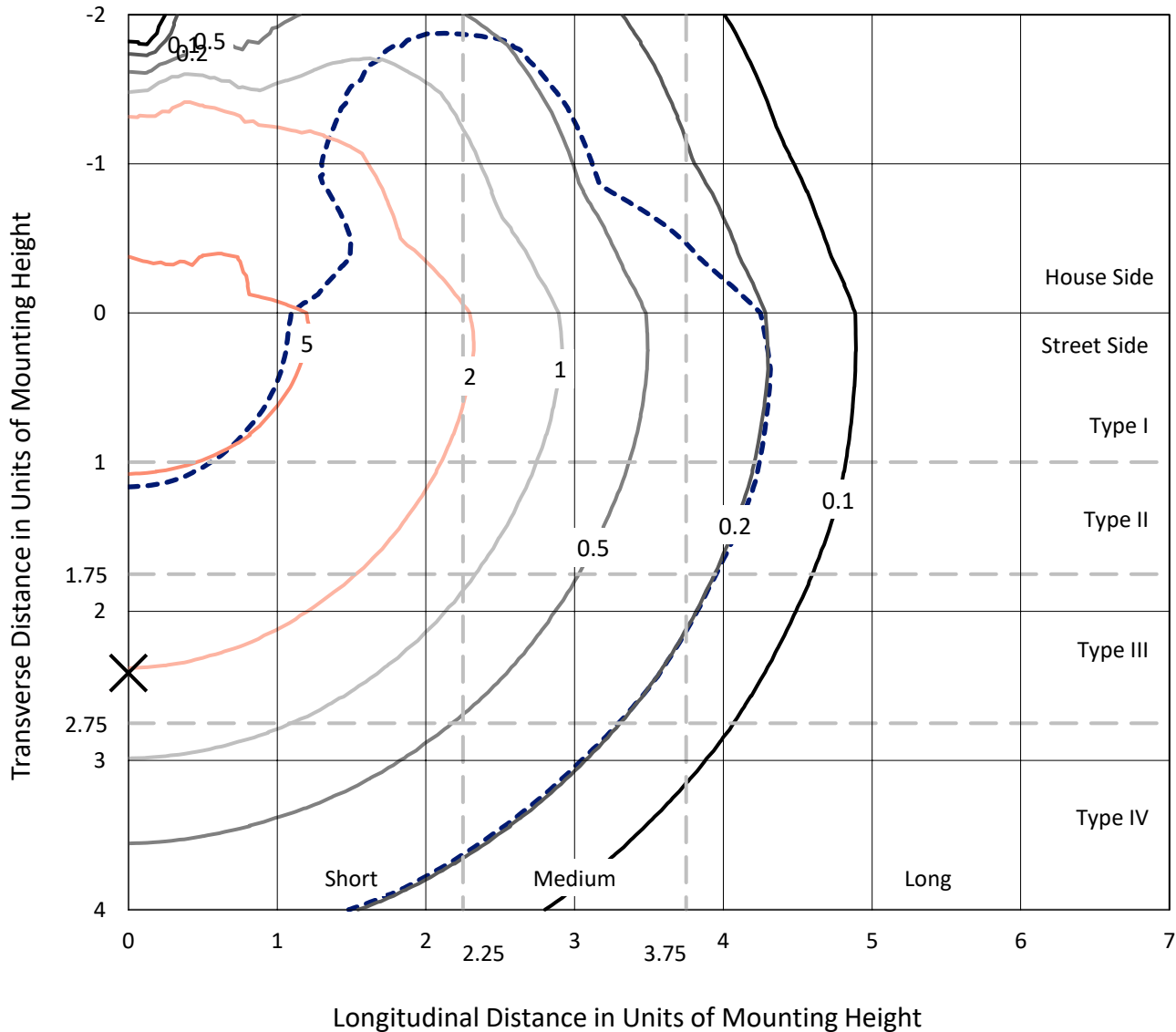
Input Watts (W): 761.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

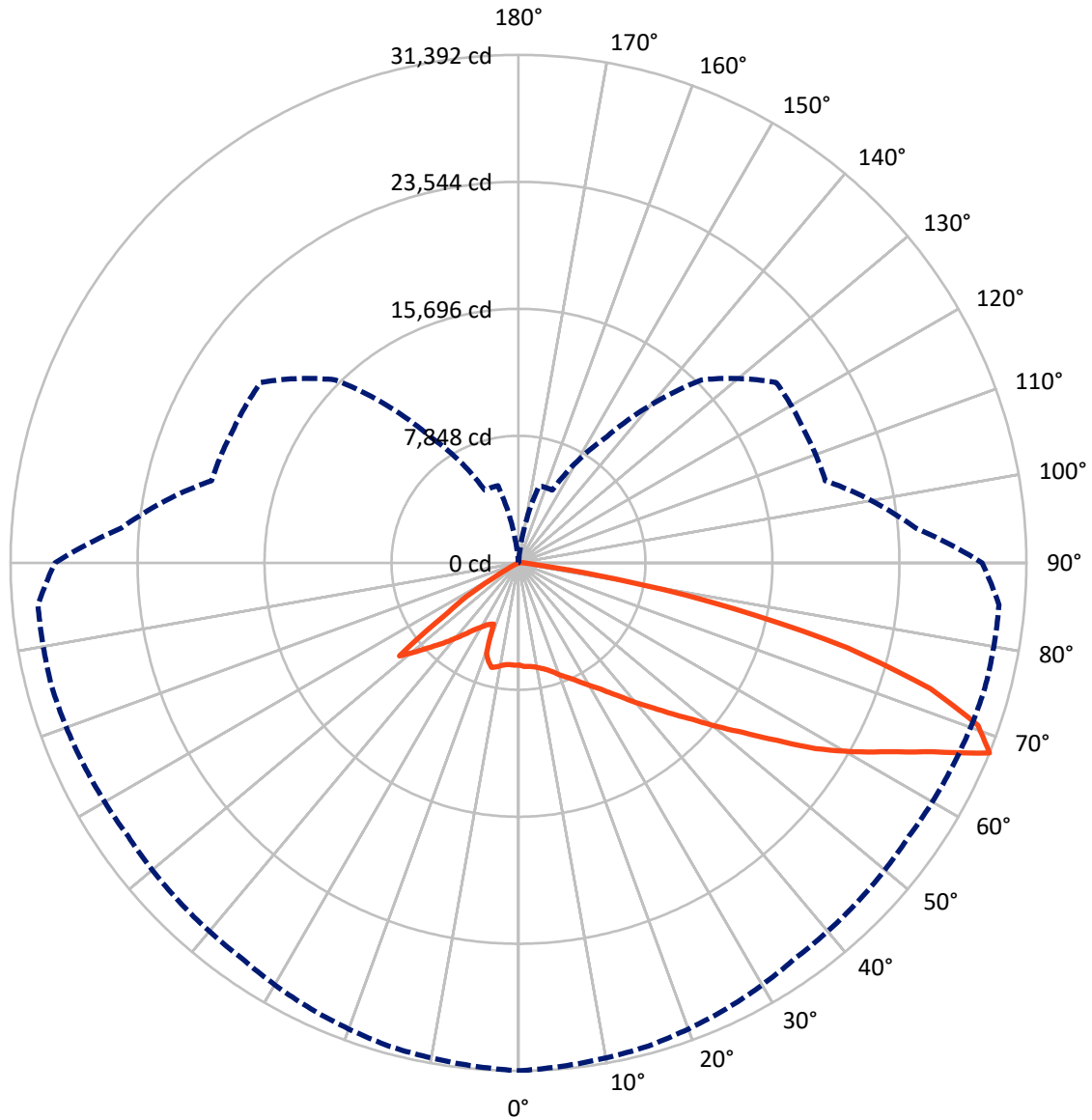
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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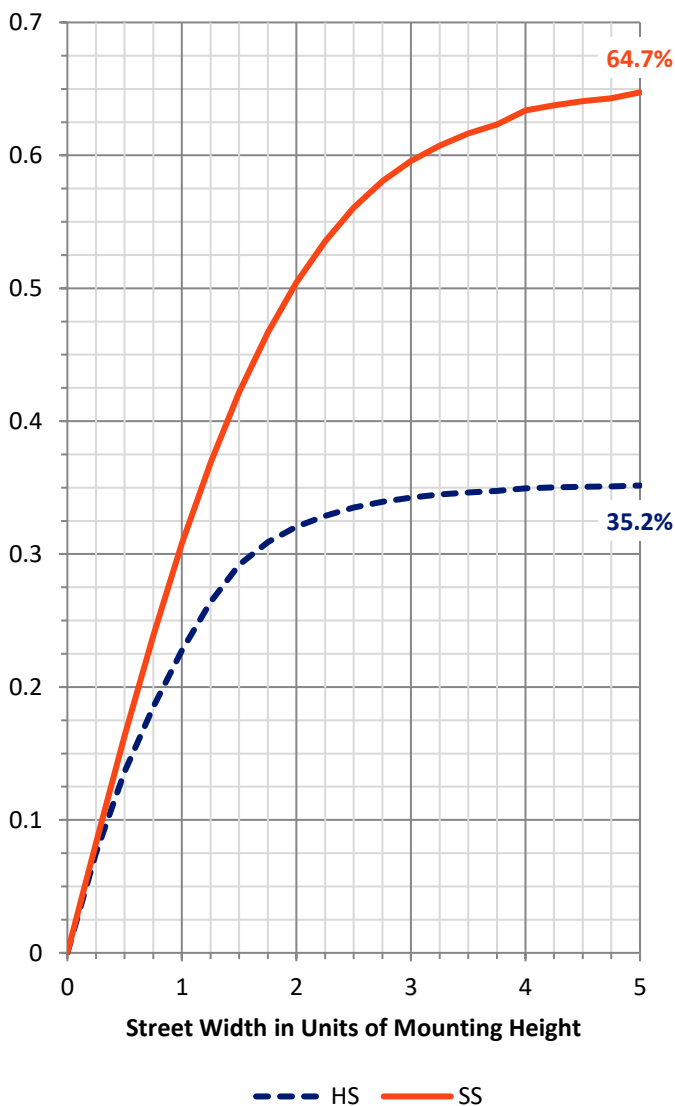
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 24672.3 | 1.5 | 24673.7 |
| | % Fixture | 35.2 | 0.0 | 35.2 |
| Street Side | Lumens | 45368.8 | 49.4 | 45418.3 |
| | % Fixture | 64.7 | 0.1 | 64.8 |
| Total | Lumens | 70041.1 | 50.9 | 70092.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 607.6 | 0.9 |
| 10°-20° | 1887.7 | 2.7 |
| 20°-30° | 3272.9 | 4.7 |
| 30°-40° | 5370.3 | 7.7 |
| 40°-50° | 8957.7 | 12.8 |
| 50°-60° | 14497.0 | 20.7 |
| 60°-70° | 20010.5 | 28.5 |
| 70°-80° | 14436.7 | 20.6 |
| 80°-90° | 1000.6 | 1.4 |
| 90°-100° | 43.4 | 0.1 |
| 100°-110° | 7.3 | 0.0 |
| 110°-120° | 0.3 | 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° | 70041.1 | 99.9 |
| 0°-180° | 70092.0 | 100.0 |

Coefficient of Utilization

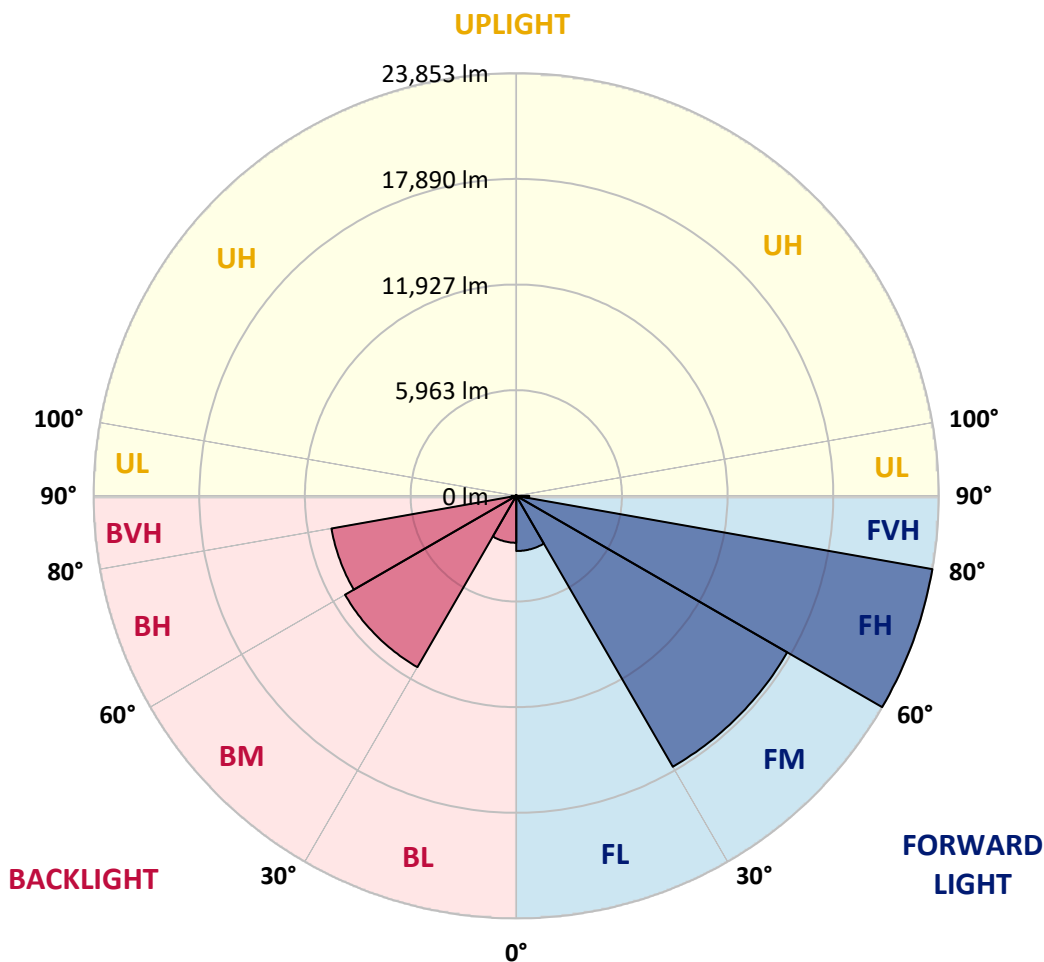


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|-------|--------|
| | | | B | U | G |
| FL (0°-30°) | 3116.9 | 4.4 | | | |
| FM (30°-60°) | 17661.4 | 25.2 | | | |
| FH (60°-80°) | 23853.2 | 34.0 | | | G5 |
| FVH (80°-90°) | 737.3 | 1.1 | | | G4/750 |
| BL (0°-30°) | 2651.4 | 3.8 | B4/5000 | | |
| BM (30°-60°) | 11163.6 | 15.9 | B5 | | |
| BH (60°-80°) | 10594.0 | 15.1 | B5 | | G5 |
| BVH (80°-90°) | 263.3 | 0.4 | | | G3/500 |
| UL (90°-100°) | 43.4 | 0.1 | | U2/50 | |
| UH (100°-180°) | 7.5 | 0.0 | | U1/10 | |

BUG Rating: B5-U2-G5
 Type IV Short





REPORT NUMBER: P579396

CATALOG NUMBER: CST-CA10-760-722-U-T5-HSS-HM-EX90

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 |
| 2.5° | 6413.1 | 6375.5 | 6378.2 | 6415.8 | 6313.8 | 6351.4 | 6308.5 | 6346.0 | 6327.2 | 6340.7 | 6356.8 |
| 5° | 6431.9 | 6386.3 | 6391.6 | 6437.3 | 6356.8 | 6386.3 | 6335.3 | 6356.8 | 6340.7 | 6356.8 | 6359.4 |
| 7.5° | 6480.2 | 6434.6 | 6437.3 | 6472.1 | 6389.0 | 6410.4 | 6362.1 | 6372.9 | 6346.0 | 6375.5 | 6367.5 |
| 10° | 6582.2 | 6539.2 | 6523.1 | 6552.6 | 6480.2 | 6482.9 | 6426.5 | 6437.3 | 6397.0 | 6437.3 | 6421.2 |
| 12.5° | 6719.0 | 6660.0 | 6665.3 | 6681.4 | 6592.9 | 6598.3 | 6531.2 | 6547.3 | 6480.2 | 6536.5 | 6517.8 |
| 15° | 6885.4 | 6812.9 | 6821.0 | 6847.8 | 6761.9 | 6753.9 | 6692.2 | 6692.2 | 6633.1 | 6676.1 | 6657.3 |
| 17.5° | 7116.1 | 7035.6 | 7030.3 | 7049.1 | 6979.3 | 6979.3 | 6909.5 | 6901.5 | 6842.4 | 6877.3 | 6872.0 |
| 20° | 7416.7 | 7325.4 | 7309.3 | 7344.2 | 7255.7 | 7266.4 | 7177.9 | 7169.8 | 7105.4 | 7126.9 | 7129.6 |
| 22.5° | 7687.7 | 7615.2 | 7612.6 | 7666.2 | 7561.6 | 7575.0 | 7494.5 | 7473.0 | 7419.4 | 7448.9 | 7456.9 |
| 25° | 7999.0 | 7988.2 | 7980.2 | 7999.0 | 7894.3 | 7894.3 | 7838.0 | 7819.2 | 7784.3 | 7805.8 | 7827.2 |
| 27.5° | 8390.7 | 8385.3 | 8363.9 | 8366.6 | 8278.0 | 8291.4 | 8229.7 | 8219.0 | 8202.9 | 8200.2 | 8189.5 |
| 30° | 8822.7 | 8798.6 | 8769.1 | 8787.8 | 8747.6 | 8761.0 | 8707.3 | 8672.5 | 8667.1 | 8669.8 | 8653.7 |
| 32.5° | 9303.0 | 9270.8 | 9252.1 | 9284.3 | 9300.4 | 9337.9 | 9335.2 | 9238.6 | 9238.6 | 9278.9 | 9206.4 |
| 35° | 9898.7 | 9847.8 | 9863.9 | 9906.8 | 9939.0 | 10035.6 | 10019.5 | 9952.4 | 9973.9 | 9992.7 | 9906.8 |
| 37.5° | 10599.1 | 10564.2 | 10636.6 | 10717.1 | 10719.8 | 10856.7 | 10824.5 | 10840.6 | 10837.9 | 10813.7 | 10757.4 |
| 40° | 11439.0 | 11382.6 | 11457.7 | 11519.5 | 11481.9 | 11645.6 | 11640.2 | 11712.7 | 11761.0 | 11844.1 | 11811.9 |
| 42.5° | 12273.5 | 12230.5 | 12303.0 | 12437.1 | 12415.7 | 12603.5 | 12630.3 | 12743.0 | 12810.1 | 12938.9 | 12863.8 |
| 45° | 13301.2 | 13277.0 | 13344.1 | 13448.8 | 13521.2 | 13770.8 | 13870.0 | 13918.3 | 14087.4 | 14243.0 | 14068.6 |
| 47.5° | 14452.3 | 14484.5 | 14473.8 | 14664.3 | 14825.3 | 15128.5 | 15168.8 | 15324.4 | 15472.0 | 15643.7 | 15474.7 |
| 50° | 15885.2 | 15831.5 | 15879.8 | 16062.3 | 16325.3 | 16545.3 | 16751.9 | 16974.6 | 17119.5 | 17296.6 | 16985.4 |
| 52.5° | 17428.1 | 17473.7 | 17581.1 | 17862.8 | 18056.0 | 18316.3 | 18504.1 | 18769.8 | 18912.0 | 19064.9 | 18659.7 |
| 55° | 19373.5 | 19411.1 | 19529.1 | 19818.9 | 19955.8 | 20251.0 | 20379.8 | 20645.4 | 20782.2 | 20849.3 | 20331.5 |
| 57.5° | 21654.3 | 21528.2 | 21624.8 | 21775.1 | 21987.1 | 22306.4 | 22341.3 | 22590.8 | 22590.8 | 22676.7 | 22016.6 |
| 60° | 23691.0 | 23605.1 | 23707.1 | 23921.7 | 24004.9 | 24294.7 | 24265.2 | 24469.1 | 24522.8 | 24458.4 | 23669.5 |
| 62.5° | 25698.1 | 25714.2 | 25845.7 | 25915.4 | 25883.2 | 26055.0 | 26124.7 | 26339.4 | 26250.8 | 26272.3 | 25362.7 |
| 65° | 28134.5 | 28172.1 | 28158.7 | 28029.9 | 27740.1 | 28078.2 | 28059.4 | 28400.2 | 28421.6 | 28614.8 | 27557.6 |
| 67.5° | 31392.1 | 31225.7 | 30922.5 | 30404.6 | 29830.4 | 29631.8 | 29457.4 | 29626.4 | 29843.8 | 29808.9 | 28649.7 |
| 70° | 30125.5 | 29854.5 | 29696.2 | 29245.4 | 28478.0 | 28080.9 | 27718.6 | 27748.1 | 28064.8 | 28094.3 | 26908.2 |
| 72.5° | 26631.9 | 26495.0 | 25885.9 | 25491.5 | 24965.5 | 24659.6 | 24222.3 | 24321.5 | 24734.8 | 24804.5 | 23860.0 |
| 75° | 21007.6 | 20881.5 | 20331.5 | 20202.7 | 19942.4 | 20092.6 | 19985.3 | 20025.6 | 20358.3 | 20052.4 | 19486.2 |
| 77.5° | 13596.3 | 13625.9 | 13540.0 | 13832.5 | 13821.7 | 13829.8 | 14221.6 | 14261.8 | 14586.5 | 14398.6 | 13851.3 |
| 80° | 6096.5 | 6185.0 | 6394.3 | 6818.3 | 6560.7 | 6700.2 | 6850.5 | 6804.9 | 7132.2 | 6391.6 | 6657.3 |
| 82.5° | 1234.3 | 1277.3 | 1204.8 | 1258.5 | 1175.3 | 1218.2 | 1279.9 | 1186.0 | 1175.3 | 1089.4 | 1011.6 |
| 85° | 635.9 | 644.0 | 641.3 | 627.9 | 552.8 | 509.8 | 491.0 | 413.2 | 373.0 | 364.9 | 338.1 |
| 87.5° | 413.2 | 418.6 | 405.2 | 402.5 | 354.2 | 324.7 | 289.8 | 244.2 | 203.9 | 142.2 | 118.1 |
| 90° | 252.2 | 252.2 | 238.8 | 225.4 | 201.2 | 179.8 | 144.9 | 104.6 | 61.7 | 24.1 | 13.4 |
| 92.5° | 169.0 | 169.0 | 163.7 | 155.6 | 139.5 | 120.7 | 93.9 | 61.7 | 29.5 | 10.7 | 5.4 |
| 95° | 107.3 | 107.3 | 104.6 | 102.0 | 91.2 | 77.8 | 59.0 | 37.6 | 18.8 | 8.0 | 2.7 |
| 97.5° | 69.8 | 69.8 | 69.8 | 67.1 | 61.7 | 53.7 | 40.2 | 24.1 | 13.4 | 5.4 | 2.7 |
| 100° | 42.9 | 45.6 | 42.9 | 42.9 | 40.2 | 34.9 | 26.8 | 16.1 | 10.7 | 5.4 | 2.7 |
| 102.5° | 24.1 | 24.1 | 26.8 | 26.8 | 24.1 | 21.5 | 16.1 | 13.4 | 8.0 | 5.4 | 2.7 |
| 105° | 10.7 | 10.7 | 13.4 | 13.4 | 13.4 | 10.7 | 10.7 | 8.0 | 5.4 | 5.4 | 2.7 |
| 107.5° | 2.7 | 2.7 | 2.7 | 5.4 | 8.0 | 8.0 | 8.0 | 8.0 | 5.4 | 2.7 | 2.7 |
| 110° | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 5.4 | 5.4 | 5.4 | 5.4 | 2.7 | 2.7 |



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 CATALOG NUMBER: CST-CA10-760-722-U-T5-HSS-HM-EX90

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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CATALOG NUMBER: CST-CA10-760-722-U-T5-HSS-HM-EX90

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 | 6316.5 |
| 2.5° | 6340.7 | 6308.5 | 6332.6 | 6292.4 | 6281.6 | 6246.7 | 6313.8 | 6324.6 | 6319.2 | 6329.9 |
| 5° | 6346.0 | 6305.8 | 6335.3 | 6295.0 | 6292.4 | 6254.8 | 6324.6 | 6327.2 | 6308.5 | 6316.5 |
| 7.5° | 6362.1 | 6324.6 | 6346.0 | 6300.4 | 6305.8 | 6260.2 | 6340.7 | 6338.0 | 6327.2 | 6346.0 |
| 10° | 6421.2 | 6378.2 | 6386.3 | 6338.0 | 6351.4 | 6303.1 | 6402.4 | 6407.7 | 6397.0 | 6431.9 |
| 12.5° | 6523.1 | 6464.1 | 6482.9 | 6426.5 | 6437.3 | 6389.0 | 6509.7 | 6517.8 | 6517.8 | 6574.1 |
| 15° | 6662.7 | 6600.9 | 6641.2 | 6568.7 | 6571.4 | 6499.0 | 6590.2 | 6590.2 | 6600.9 | 6678.8 |
| 17.5° | 6866.6 | 6791.5 | 6845.1 | 6778.0 | 6359.4 | 6201.1 | 6512.4 | 6702.9 | 6386.3 | 6359.4 |
| 20° | 7118.8 | 7083.9 | 7113.5 | 7003.4 | 6324.6 | 5600.1 | 5036.6 | 5007.1 | 5632.3 | 5943.5 |
| 22.5° | 7427.4 | 7392.5 | 7405.9 | 7266.4 | 5645.7 | 5135.9 | 5127.8 | 5074.1 | 4293.3 | 4078.6 |
| 25° | 7789.7 | 7770.9 | 7741.4 | 6571.4 | 5836.2 | 5347.8 | 5283.4 | 4583.1 | 4135.0 | 4175.2 |
| 27.5° | 8178.7 | 8122.4 | 7126.9 | 6826.3 | 6128.7 | 5559.8 | 5194.9 | 4279.9 | 4263.8 | 4301.3 |
| 30° | 8613.4 | 8315.6 | 7295.9 | 7194.0 | 6469.5 | 5822.8 | 4521.4 | 4467.7 | 4467.7 | 4526.7 |
| 32.5° | 9166.2 | 7765.5 | 7765.5 | 7711.8 | 6890.7 | 5111.7 | 4760.2 | 4728.0 | 4765.6 | 4789.7 |
| 35° | 9083.0 | 8353.1 | 8439.0 | 8414.9 | 7462.3 | 5205.6 | 5143.9 | 5090.2 | 5098.3 | 5098.3 |
| 37.5° | 9109.8 | 9139.4 | 9241.3 | 9136.7 | 6509.7 | 5613.5 | 5514.2 | 5503.5 | 5511.5 | 5530.3 |
| 40° | 9952.4 | 9968.5 | 10006.1 | 9775.3 | 6995.4 | 6088.4 | 5951.6 | 5924.8 | 5951.6 | 5991.8 |
| 42.5° | 10859.4 | 10905.0 | 10947.9 | 8889.8 | 7674.3 | 6627.8 | 6490.9 | 6439.9 | 6488.2 | 6531.2 |
| 45° | 11932.7 | 12002.5 | 11345.0 | 9676.0 | 8441.7 | 7242.3 | 7097.4 | 7035.6 | 7065.2 | 7102.7 |
| 47.5° | 13140.2 | 13250.2 | 10698.4 | 10676.9 | 9343.3 | 7969.4 | 7803.1 | 7685.0 | 7730.6 | 7727.9 |
| 50° | 14503.3 | 12662.5 | 11820.0 | 11806.6 | 10349.5 | 8779.8 | 8608.1 | 8500.7 | 8535.6 | 8508.8 |
| 52.5° | 15976.4 | 13008.7 | 13035.5 | 13032.8 | 11401.4 | 9651.9 | 9493.6 | 9359.4 | 9083.0 | 9337.9 |
| 55° | 17484.5 | 14205.5 | 14307.4 | 14291.3 | 12504.2 | 10553.5 | 10384.4 | 10258.3 | 6702.9 | 5661.8 |
| 57.5° | 18984.4 | 15455.9 | 15488.1 | 15525.6 | 13647.3 | 11422.9 | 10679.6 | 9810.2 | 3823.7 | 3804.9 |
| 60° | 20465.6 | 16647.3 | 16711.7 | 16733.1 | 14264.5 | 9456.0 | 4365.7 | 4446.2 | 1156.5 | 1381.9 |
| 62.5° | 22000.5 | 17822.6 | 17881.6 | 17862.8 | 14879.0 | 8793.2 | 4585.8 | 4494.5 | 107.3 | 99.3 |
| 65° | 23959.3 | 19295.7 | 19212.5 | 19150.8 | 15847.6 | 9383.5 | 4926.6 | 4902.4 | 34.9 | 24.1 |
| 67.5° | 24646.2 | 19631.1 | 19462.1 | 19440.6 | 15987.2 | 9509.7 | 4953.4 | 4934.6 | 34.9 | 24.1 |
| 70° | 23089.9 | 18356.5 | 18066.7 | 18074.8 | 14876.3 | 8895.2 | 4620.7 | 4593.8 | 32.2 | 24.1 |
| 72.5° | 20221.4 | 16212.6 | 16091.8 | 15453.2 | 12882.6 | 7824.5 | 4097.4 | 3995.5 | 32.2 | 21.5 |
| 75° | 16601.6 | 13097.2 | 12828.9 | 12112.5 | 10252.9 | 6219.9 | 3217.3 | 3085.8 | 29.5 | 18.8 |
| 77.5° | 11524.8 | 9185.0 | 8672.5 | 7942.6 | 6858.5 | 4124.2 | 2162.7 | 1993.7 | 26.8 | 18.8 |
| 80° | 5224.4 | 3770.1 | 3788.8 | 2903.3 | 2326.4 | 1398.0 | 686.9 | 622.5 | 24.1 | 16.1 |
| 82.5° | 909.6 | 670.8 | 630.6 | 609.1 | 507.1 | 343.5 | 209.3 | 179.8 | 21.5 | 10.7 |
| 85° | 316.6 | 254.9 | 281.7 | 332.7 | 295.2 | 206.6 | 128.8 | 123.4 | 13.4 | 5.4 |
| 87.5° | 107.3 | 112.7 | 131.5 | 158.3 | 139.5 | 80.5 | 48.3 | 34.9 | 2.7 | 0.0 |
| 90° | 10.7 | 13.4 | 13.4 | 13.4 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 2.7 | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 2.7 | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 2.7 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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| 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 |
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