

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: P510515

Luminaire Tested: **CST-CA10-630-722-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-151-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA10-630-722-U-T1
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: 78139 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

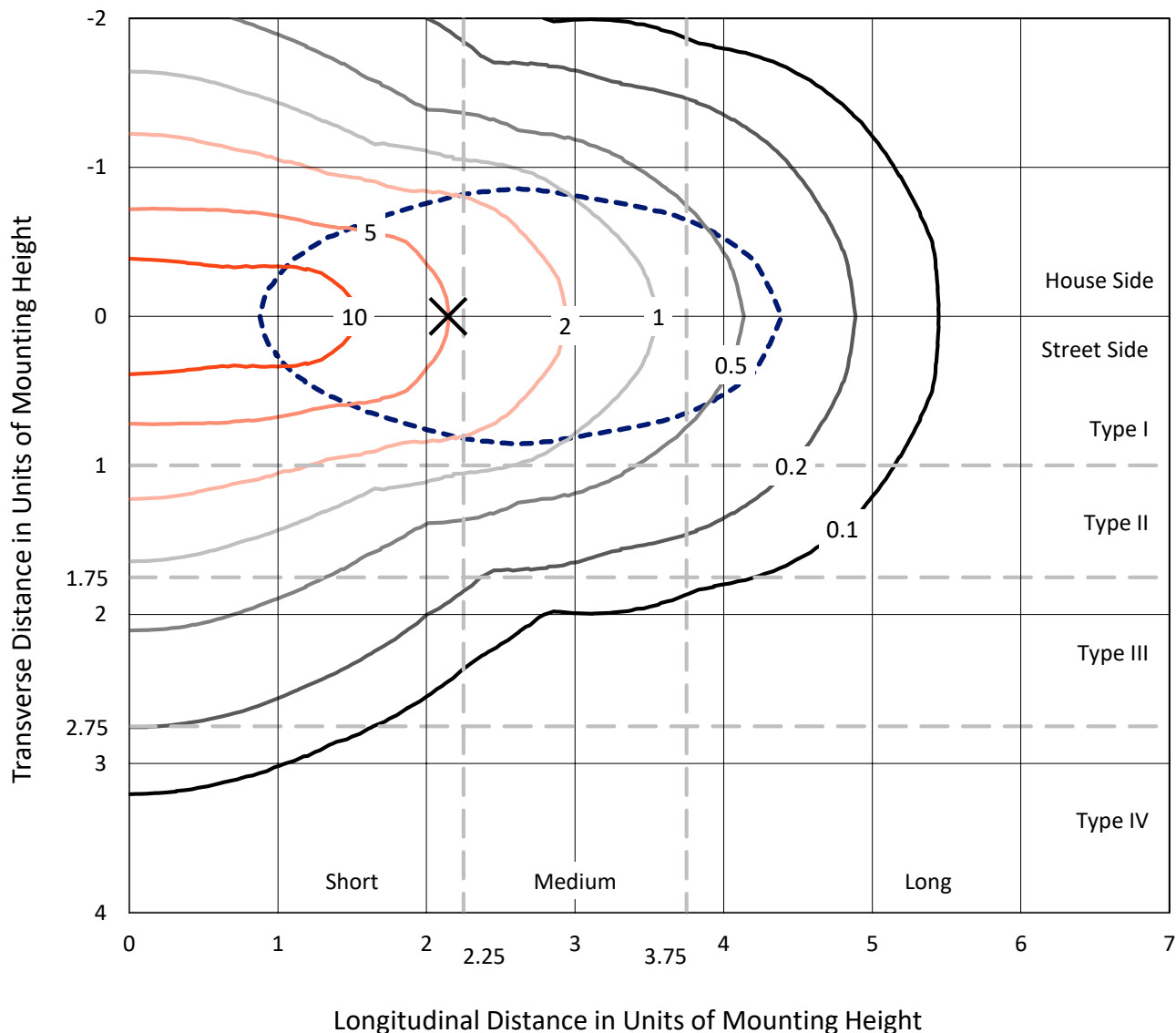
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510515
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Iso-Footcandle Lines of Horizontal Illumination

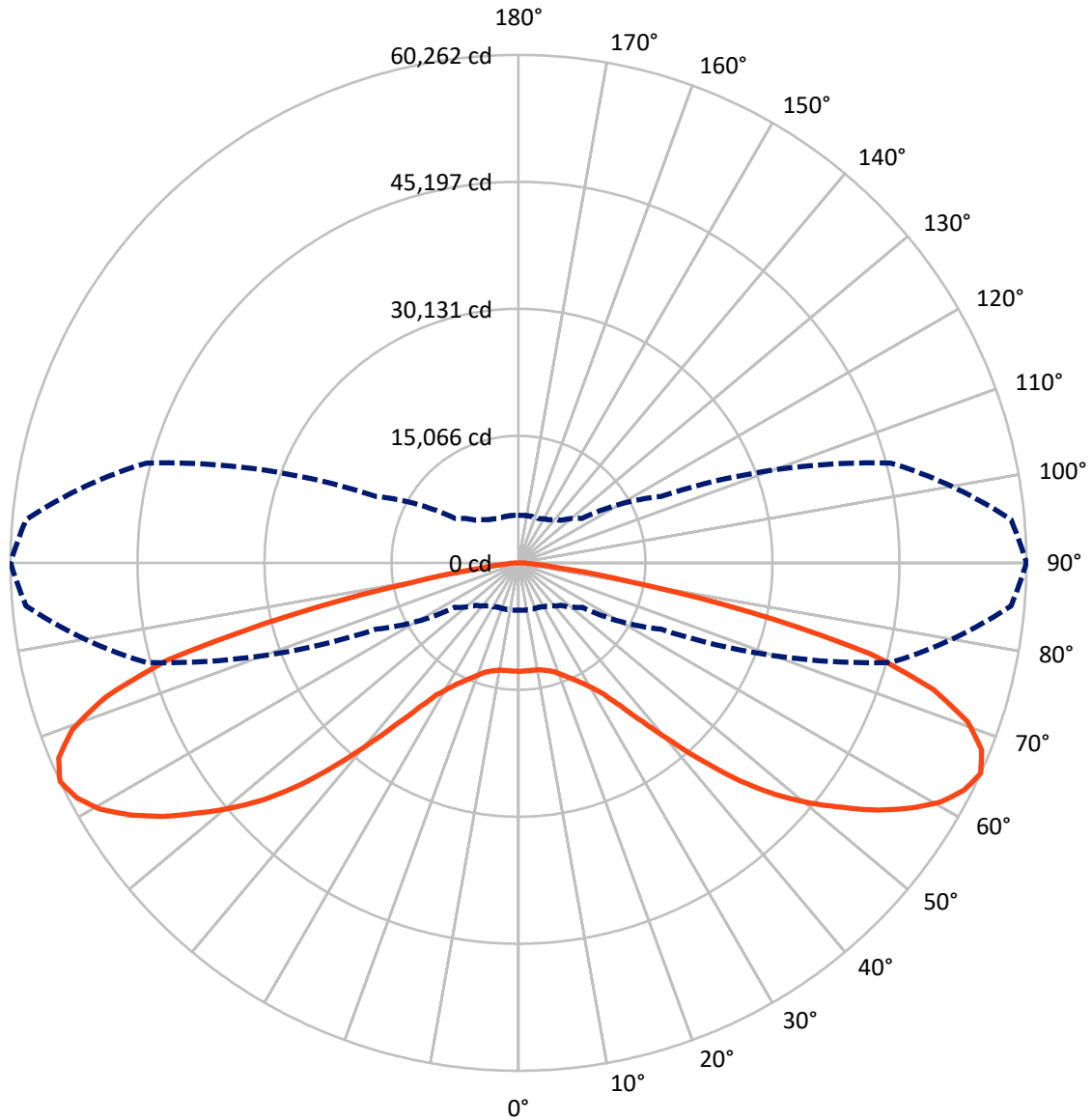
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 14.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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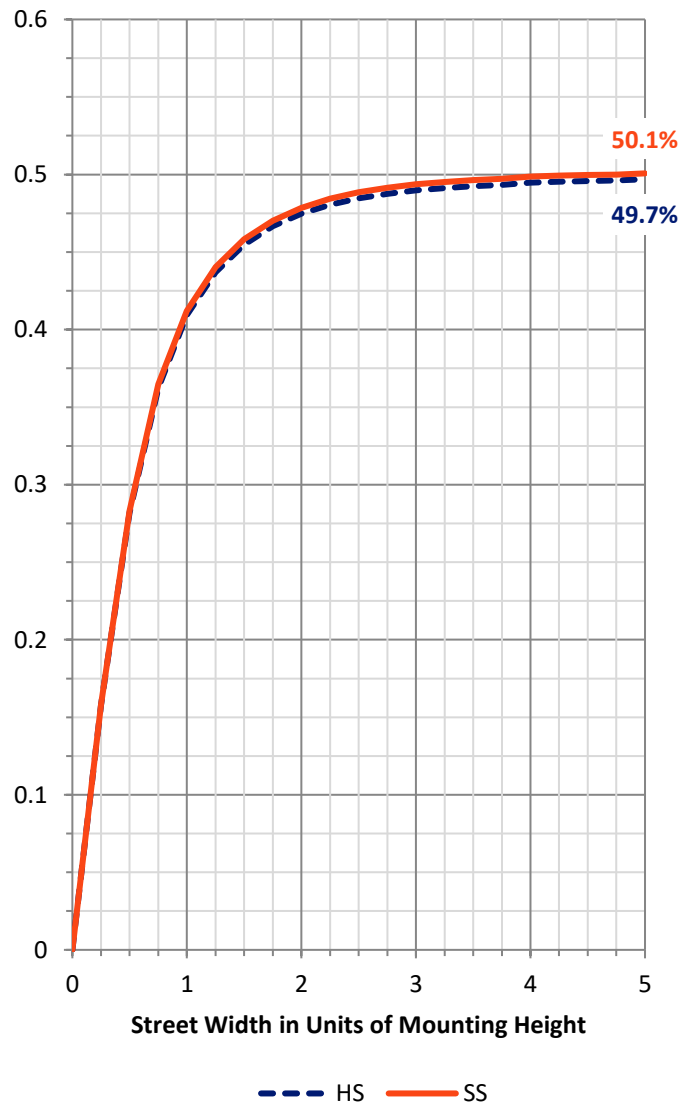
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 39069.5 | 0.0 | 39069.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 39069.5 | 0.0 | 39069.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 78139.0 | 0.0 | 78139.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1221.7 | 1.6 |
| 10°-20° | 3605.0 | 4.6 |
| 20°-30° | 5938.4 | 7.6 |
| 30°-40° | 8700.4 | 11.1 |
| 40°-50° | 12864.5 | 16.5 |
| 50°-60° | 16874.9 | 21.6 |
| 60°-70° | 17605.3 | 22.5 |
| 70°-80° | 10122.1 | 13.0 |
| 80°-90° | 1206.7 | 1.5 |
| 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° | 78139.0 | 100.0 |
| 0°-180° | 78139.0 | 100.0 |

Coefficient of Utilization

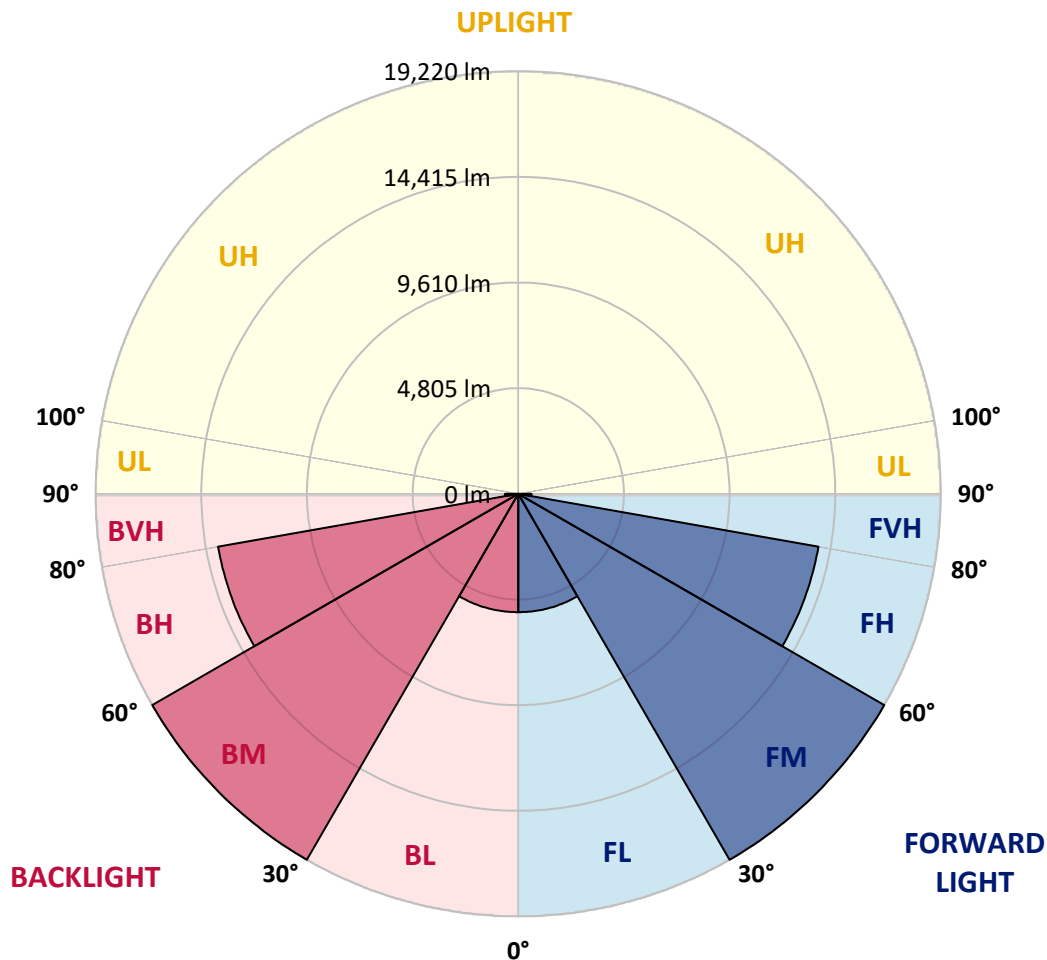


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 5382.5 | 6.9 | | | |
| FM (30°-60°) | 19219.9 | 24.6 | | | |
| FH (60°-80°) | 13863.7 | 17.7 | | | G5 |
| FVH (80°-90°) | 603.3 | 0.8 | | | G4/750 |
| BL (0°-30°) | 5382.5 | 6.9 | B5 | | |
| BM (30°-60°) | 19219.9 | 24.6 | B5 | | |
| BH (60°-80°) | 13863.7 | 17.7 | B5 | | G5 |
| BVH (80°-90°) | 603.3 | 0.8 | | | G4/750 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type I Short





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CATALOG NUMBER: CST-CA10-630-722-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 |
| 2.5° | 12870.1 | 12861.0 | 12857.9 | 12853.3 | 12861.0 | 12867.1 | 12882.3 | 12896.1 | 12893.0 | 12890.0 | 12893.0 |
| 5° | 12798.3 | 12802.9 | 12804.4 | 12806.0 | 12812.1 | 12816.7 | 12838.0 | 12859.4 | 12856.4 | 12853.3 | 12868.6 |
| 7.5° | 12697.5 | 12697.5 | 12694.5 | 12691.4 | 12703.6 | 12714.3 | 12735.7 | 12757.1 | 12773.9 | 12789.2 | 12813.6 |
| 10° | 12550.9 | 12544.8 | 12543.3 | 12541.8 | 12555.5 | 12567.7 | 12607.4 | 12647.1 | 12680.7 | 12712.8 | 12754.0 |
| 12.5° | 12372.2 | 12370.7 | 12373.8 | 12376.8 | 12405.8 | 12434.8 | 12502.0 | 12569.2 | 12636.4 | 12703.6 | 12763.2 |
| 15° | 12159.9 | 12141.6 | 12156.9 | 12170.6 | 12218.0 | 12263.8 | 12393.6 | 12523.4 | 12625.8 | 12726.6 | 12842.6 |
| 17.5° | 11836.2 | 11817.8 | 11840.7 | 11862.1 | 11956.8 | 12051.5 | 12234.8 | 12416.5 | 12609.0 | 12801.4 | 12967.9 |
| 20° | 11345.9 | 11345.9 | 11404.0 | 11462.0 | 11622.4 | 11782.7 | 12034.7 | 12285.2 | 12544.8 | 12804.4 | 13045.7 |
| 22.5° | 10823.6 | 10808.3 | 10932.0 | 11055.7 | 11248.2 | 11439.1 | 11756.8 | 12074.4 | 12418.0 | 12760.2 | 13091.6 |
| 25° | 10234.1 | 10260.0 | 10415.8 | 10570.1 | 10840.4 | 11109.2 | 11500.2 | 11889.6 | 12321.8 | 12754.0 | 13213.7 |
| 27.5° | 9736.2 | 9740.8 | 9928.6 | 10116.5 | 10455.5 | 10793.1 | 11268.0 | 11743.0 | 12269.9 | 12796.8 | 13375.6 |
| 30° | 9221.5 | 9305.5 | 9504.1 | 9701.1 | 10079.8 | 10458.6 | 11032.8 | 11605.6 | 12230.2 | 12854.8 | 13560.4 |
| 32.5° | 8826.0 | 8845.8 | 9070.3 | 9293.3 | 9688.9 | 10084.4 | 10751.8 | 11419.2 | 12169.1 | 12919.0 | 13777.3 |
| 35° | 8453.3 | 8485.4 | 8694.6 | 8903.9 | 9316.2 | 9727.0 | 10458.6 | 11188.6 | 12085.1 | 12980.1 | 14012.5 |
| 37.5° | 8121.9 | 8161.6 | 8360.2 | 8558.7 | 8955.8 | 9352.9 | 10128.7 | 10904.5 | 11955.3 | 13006.0 | 14270.6 |
| 40° | 7879.1 | 7912.7 | 8080.7 | 8248.7 | 8607.6 | 8964.9 | 9777.4 | 10588.4 | 11773.6 | 12958.7 | 14473.7 |
| 42.5° | 7703.4 | 7718.7 | 7854.6 | 7990.6 | 8311.3 | 8632.0 | 9436.9 | 10240.2 | 11536.8 | 12833.5 | 14631.0 |
| 45° | 7465.2 | 7498.8 | 7633.2 | 7766.1 | 8054.7 | 8341.8 | 9078.0 | 9814.1 | 11185.6 | 12555.5 | 14632.6 |
| 47.5° | 7288.0 | 7309.4 | 7436.2 | 7561.4 | 7830.2 | 8099.0 | 8760.3 | 9421.6 | 10788.5 | 12153.8 | 14467.6 |
| 50° | 7158.2 | 7147.5 | 7265.1 | 7381.2 | 7608.7 | 7834.8 | 8424.3 | 9012.3 | 10296.7 | 11581.1 | 14055.3 |
| 52.5° | 6973.4 | 6985.6 | 7080.3 | 7175.0 | 7372.0 | 7567.5 | 8095.9 | 8622.8 | 9751.5 | 10878.6 | 13386.3 |
| 55° | 6726.0 | 6782.5 | 6861.9 | 6939.8 | 7112.4 | 7285.0 | 7759.9 | 8234.9 | 9206.2 | 10176.0 | 12525.0 |
| 57.5° | 6483.2 | 6524.4 | 6591.6 | 6658.8 | 6794.7 | 6929.1 | 7376.6 | 7824.1 | 8632.0 | 9439.9 | 11437.6 |
| 60° | 6284.6 | 6295.3 | 6338.1 | 6379.3 | 6483.2 | 6587.0 | 6956.6 | 7326.2 | 8031.8 | 8735.9 | 10353.2 |
| 62.5° | 6028.0 | 6031.1 | 6060.1 | 6089.1 | 6153.3 | 6215.9 | 6506.1 | 6794.7 | 7396.5 | 7998.2 | 9275.0 |
| 65° | 5626.4 | 5650.8 | 5678.3 | 5704.3 | 5747.0 | 5788.3 | 6009.7 | 6231.2 | 6681.7 | 7132.2 | 8161.6 |
| 67.5° | 5220.1 | 5198.8 | 5230.8 | 5262.9 | 5269.0 | 5275.1 | 5443.1 | 5611.1 | 5980.7 | 6350.3 | 7178.1 |
| 70° | 4558.8 | 4575.6 | 4572.6 | 4568.0 | 4542.0 | 4514.5 | 4632.1 | 4749.7 | 4945.2 | 5139.2 | 5737.9 |
| 72.5° | 3495.9 | 3473.0 | 3414.9 | 3355.4 | 3327.9 | 3300.4 | 3437.8 | 3573.8 | 3717.3 | 3860.9 | 4293.1 |
| 75° | 2136.6 | 2202.3 | 2322.9 | 2442.1 | 2487.9 | 2533.7 | 2526.1 | 2516.9 | 2504.7 | 2492.5 | 3031.6 |
| 77.5° | 1447.8 | 1483.0 | 1510.4 | 1536.4 | 1603.6 | 1669.3 | 1745.6 | 1822.0 | 1820.5 | 1819.0 | 2158.0 |
| 80° | 920.9 | 893.4 | 905.7 | 917.9 | 956.1 | 994.2 | 1110.3 | 1224.9 | 1256.9 | 1287.5 | 1521.1 |
| 82.5° | 577.3 | 581.9 | 597.2 | 610.9 | 568.1 | 525.4 | 615.5 | 704.1 | 780.4 | 855.3 | 963.7 |
| 85° | 374.2 | 424.6 | 416.9 | 409.3 | 358.9 | 308.5 | 387.9 | 467.3 | 504.0 | 539.1 | 580.4 |
| 87.5° | 120.7 | 140.5 | 145.1 | 148.1 | 148.1 | 146.6 | 163.4 | 180.2 | 186.3 | 190.9 | 206.2 |
| 90° | 0.0 | 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 | 0.0 |
| 95° | 0.0 | 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 | 0.0 |
| 100° | 0.0 | 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 | 0.0 |
| 105° | 0.0 | 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 | 0.0 |
| 110° | 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-CA10-630-722-U-T1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 | 12873.2 |
| 2.5° | 12894.5 | 12879.3 | 12864.0 | 12859.4 | 12854.8 | 12851.8 | 12848.7 | 12845.7 |
| 5° | 12882.3 | 12879.3 | 12876.2 | 12864.0 | 12851.8 | 12850.3 | 12848.7 | 12853.3 |
| 7.5° | 12838.0 | 12838.0 | 12838.0 | 12851.8 | 12865.5 | 12859.4 | 12851.8 | 12861.0 |
| 10° | 12793.8 | 12830.4 | 12867.1 | 12877.7 | 12888.4 | 12896.1 | 12903.7 | 12911.3 |
| 12.5° | 12822.8 | 12885.4 | 12946.5 | 12981.6 | 13016.7 | 13035.1 | 13051.9 | 13056.4 |
| 15° | 12958.7 | 13038.1 | 13117.5 | 13164.9 | 13210.7 | 13241.2 | 13271.8 | 13279.4 |
| 17.5° | 13134.3 | 13256.5 | 13377.2 | 13445.9 | 13514.6 | 13549.7 | 13583.3 | 13572.6 |
| 20° | 13285.5 | 13453.5 | 13621.5 | 13768.1 | 13914.8 | 13995.7 | 14075.1 | 14084.3 |
| 22.5° | 13421.5 | 13704.0 | 13986.5 | 14175.9 | 14363.8 | 14507.3 | 14650.9 | 14666.2 |
| 25° | 13671.9 | 14041.5 | 14411.1 | 14713.5 | 15015.9 | 15147.2 | 15277.1 | 15353.4 |
| 27.5° | 13952.9 | 14447.8 | 14942.6 | 15347.3 | 15752.0 | 15952.1 | 16150.6 | 16161.3 |
| 30° | 14264.5 | 14892.2 | 15518.4 | 16062.1 | 16604.2 | 16848.6 | 17091.4 | 17219.7 |
| 32.5° | 14634.1 | 15431.3 | 16227.0 | 16941.8 | 17656.5 | 18027.6 | 18398.7 | 18528.6 |
| 35° | 15043.4 | 16077.3 | 17109.8 | 18094.8 | 19078.4 | 19788.5 | 20498.7 | 20840.8 |
| 37.5° | 15535.2 | 16851.6 | 18168.1 | 19648.0 | 21127.9 | 22339.0 | 23548.6 | 23893.8 |
| 40° | 15988.8 | 17682.5 | 19374.7 | 21430.3 | 23486.0 | 25407.3 | 27327.0 | 27701.2 |
| 42.5° | 16428.6 | 18478.2 | 20527.7 | 23331.8 | 26135.8 | 28707.7 | 31279.6 | 32252.4 |
| 45° | 16708.1 | 19186.8 | 21664.0 | 25361.5 | 29058.9 | 32589.9 | 36119.4 | 36936.5 |
| 47.5° | 16779.9 | 19692.3 | 22604.8 | 27185.0 | 31765.2 | 35920.9 | 40075.0 | 41124.2 |
| 50° | 16529.4 | 19955.0 | 23380.6 | 29425.5 | 35468.8 | 39700.8 | 43931.3 | 44792.6 |
| 52.5° | 15894.1 | 19871.0 | 23848.0 | 31162.0 | 38475.9 | 42955.4 | 47434.8 | 48216.7 |
| 55° | 14873.9 | 19360.9 | 23848.0 | 32591.5 | 41333.4 | 45979.3 | 50623.7 | 51811.9 |
| 57.5° | 13435.2 | 18386.5 | 23337.9 | 33546.0 | 43754.1 | 48800.1 | 53846.2 | 54913.7 |
| 60° | 11970.6 | 17227.4 | 22482.6 | 34072.9 | 45663.2 | 51008.5 | 56353.9 | 57600.1 |
| 62.5° | 10550.2 | 15652.8 | 20753.8 | 33520.0 | 46286.3 | 51929.5 | 57571.1 | 59364.1 |
| 65° | 9191.0 | 13904.1 | 18617.1 | 32171.5 | 45724.3 | 52190.6 | 58655.5 | 60262.1 |
| 67.5° | 8005.8 | 12442.5 | 16879.1 | 29911.1 | 42943.1 | 50099.8 | 57255.0 | 59257.2 |
| 70° | 6336.5 | 10418.9 | 14501.2 | 25903.6 | 37306.1 | 45687.6 | 54069.1 | 56540.2 |
| 72.5° | 4725.3 | 8187.6 | 11648.3 | 20376.5 | 29104.8 | 38743.2 | 48380.1 | 51489.6 |
| 75° | 3569.2 | 6539.7 | 9510.2 | 16106.4 | 22702.5 | 30862.6 | 39022.7 | 43184.4 |
| 77.5° | 2497.0 | 4725.3 | 6952.0 | 11872.8 | 16793.6 | 21311.2 | 25828.8 | 28046.4 |
| 80° | 1753.3 | 2988.8 | 4222.8 | 6590.1 | 8955.8 | 10959.5 | 12961.7 | 12802.9 |
| 82.5° | 1070.6 | 1589.9 | 2107.6 | 2859.0 | 3610.4 | 4094.6 | 4578.7 | 4557.3 |
| 85° | 621.6 | 756.0 | 888.9 | 1101.1 | 1313.4 | 1553.2 | 1793.0 | 1594.4 |
| 87.5° | 219.9 | 219.9 | 219.9 | 252.0 | 284.1 | 391.0 | 497.9 | 525.4 |
| 90° | 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 |
| 95° | 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 |
| 100° | 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 |
| 105° | 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 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 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 |
| 117.5° | 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 |
| 122.5° | 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 |
| 127.5° | 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 |
| 132.5° | 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 |
| 137.5° | 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 |
| 142.5° | 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 |
| 147.5° | 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 |
| 152.5° | 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 |
| 157.5° | 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 |
| 162.5° | 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 |
| 167.5° | 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 |
| 172.5° | 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 |
| 177.5° | 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 |

(END OF REPORT)