

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: P522135

Luminaire Tested: **CST-CA10-310-740-U-T5R-HSS-HM-EX120**

Issue Date: 5/10/2021

Test Information

Test Method: LM-79-08
Report Number: P522135
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: STREETWORKS
Catalog Number: CST-CA10-310-740-U-T5R-HSS-HM-EX120
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (10) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37326.9 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U2 - G5

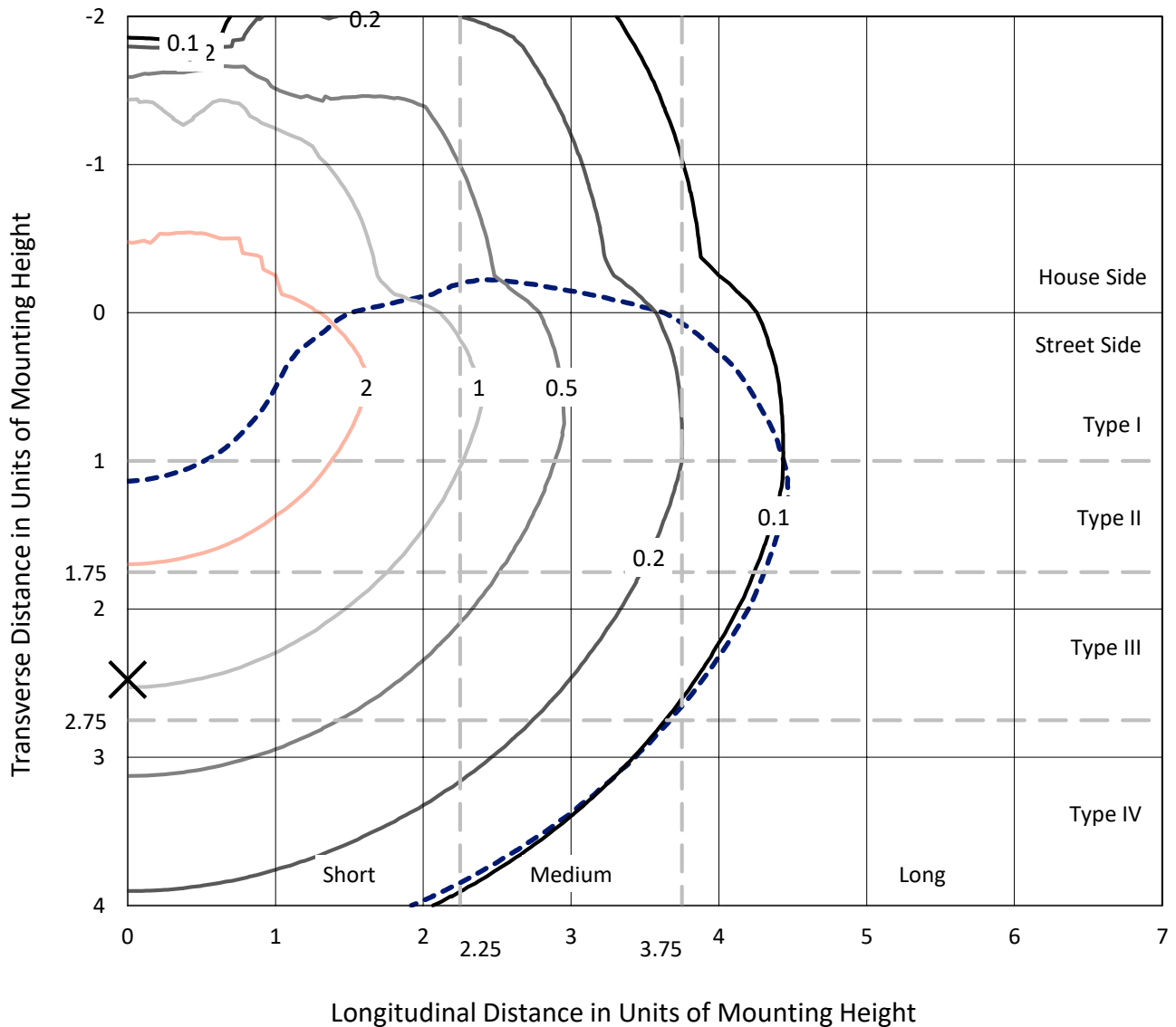
Input Watts (W): 312.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

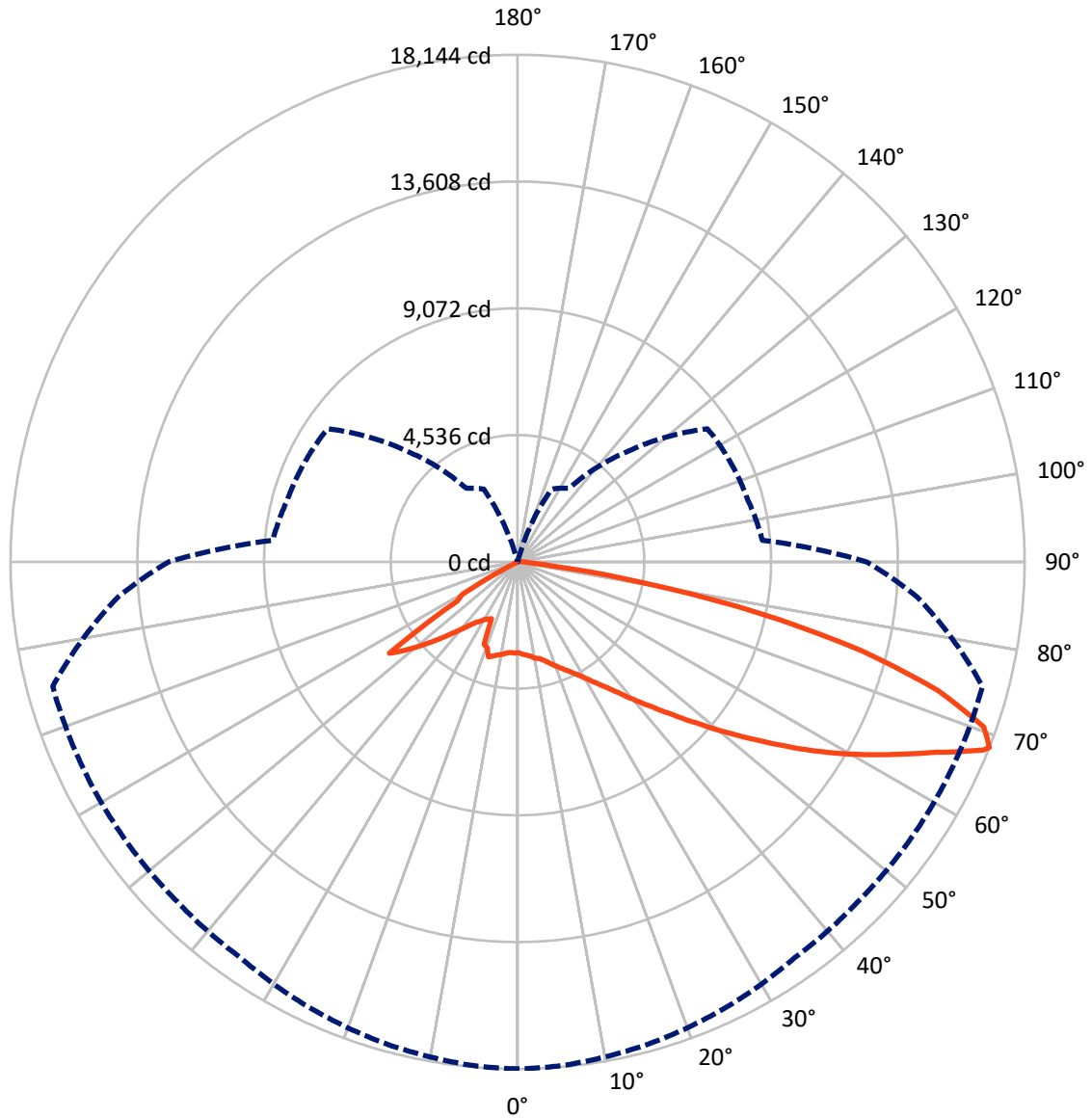
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.7 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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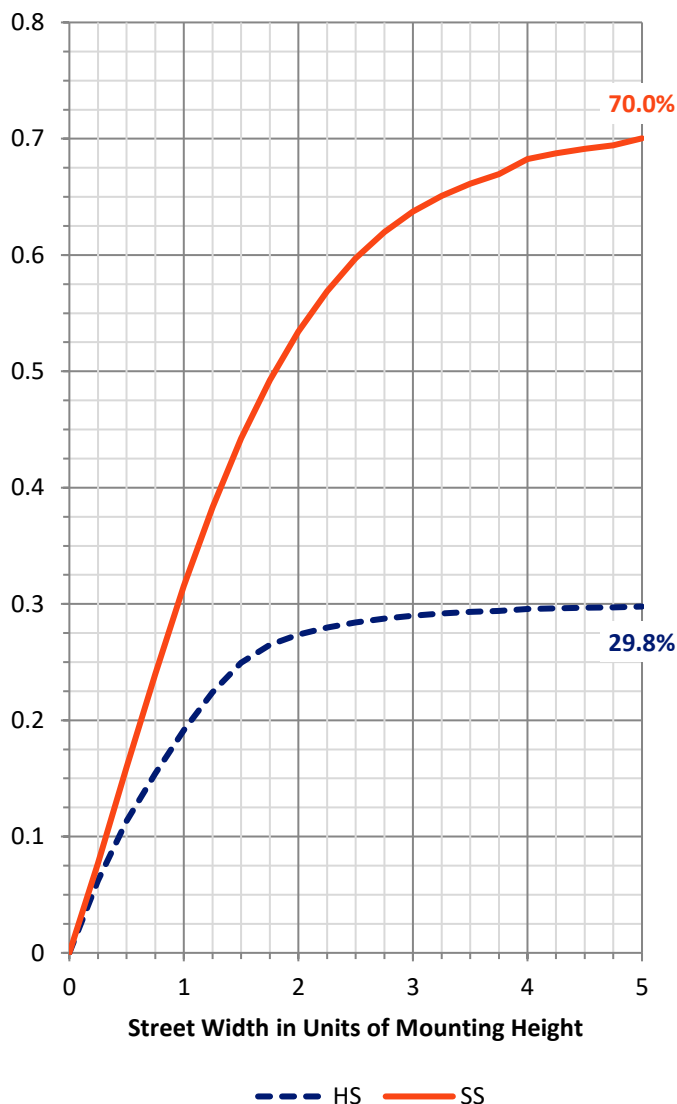
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11126.8 | 1.7 | 11128.5 |
| | % Fixture | 29.8 | 0.0 | 29.8 |
| Street Side | Lumens | 26183.2 | 15.3 | 26198.5 |
| | % Fixture | 70.1 | 0.0 | 70.2 |
| Total | Lumens | 37310.0 | 16.9 | 37326.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 315.8 | 0.8 |
| 10°-20° | 1005.2 | 2.7 |
| 20°-30° | 1721.8 | 4.6 |
| 30°-40° | 2793.2 | 7.5 |
| 40°-50° | 4710.6 | 12.6 |
| 50°-60° | 7678.5 | 20.6 |
| 60°-70° | 10298.1 | 27.6 |
| 70°-80° | 7998.9 | 21.4 |
| 80°-90° | 787.8 | 2.1 |
| 90°-100° | 15.0 | 0.0 |
| 100°-110° | 0.8 | 0.0 |
| 110°-120° | 0.2 | 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° | 37310.0 | 100.0 |
| 0°-180° | 37326.9 | 100.0 |

Coefficient of Utilization

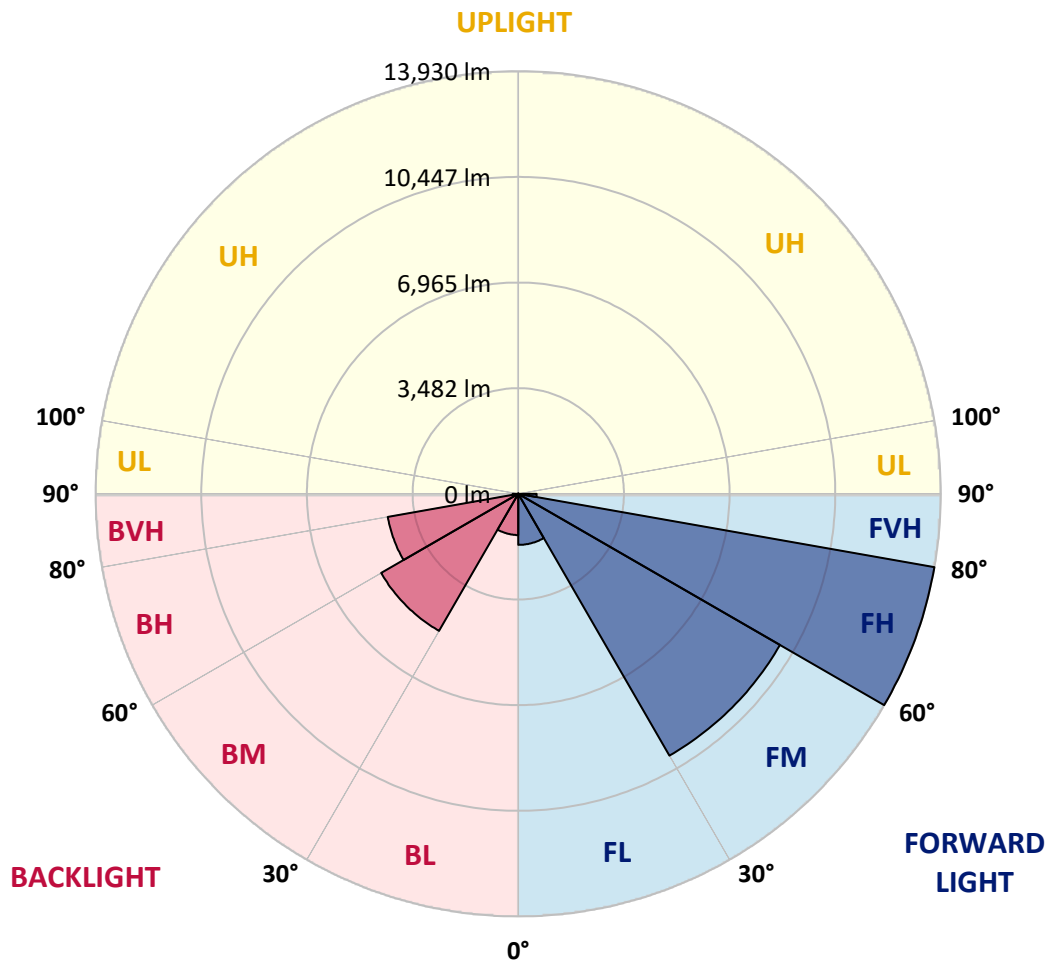


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1683.7 | 4.5 | | | |
| FM | (30°-60°) | 9963.9 | 26.7 | | | |
| FH | (60°-80°) | 13930.0 | 37.3 | | | G5 |
| FVH | (80°-90°) | 605.7 | 1.6 | | | G4/750 |
| BL | (0°-30°) | 1359.3 | 3.6 | B3/2500 | | |
| BM | (30°-60°) | 5218.4 | 14.0 | B4/8500 | | |
| BH | (60°-80°) | 4367.0 | 11.7 | B4/5000 | | G4/5000 |
| BVH | (80°-90°) | 182.1 | 0.5 | | | G2/225 |
| UL | (90°-100°) | 15.0 | 0.0 | | U2/50 | |
| UH | (100°-180°) | 2.0 | 0.0 | | U1/10 | |

BUG Rating: B4-U2-G5
 Type IV Short





REPORT NUMBER: P522135

CATALOG NUMBER: CST-CA10-310-740-U-T5R-HSS-HM-EX120

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 |
| 2.5° | 3308.3 | 3299.0 | 3297.4 | 3316.0 | 3257.3 | 3286.6 | 3260.4 | 3282.0 | 3268.1 | 3278.9 | 3280.5 |
| 5° | 3353.0 | 3336.0 | 3325.2 | 3346.8 | 3309.8 | 3323.7 | 3294.4 | 3303.6 | 3265.0 | 3286.6 | 3289.7 |
| 7.5° | 3417.9 | 3390.1 | 3387.0 | 3393.2 | 3360.7 | 3371.5 | 3323.7 | 3334.5 | 3306.7 | 3294.4 | 3305.2 |
| 10° | 3505.9 | 3479.6 | 3459.5 | 3473.4 | 3430.2 | 3436.4 | 3385.4 | 3387.0 | 3366.9 | 3343.8 | 3362.3 |
| 12.5° | 3555.3 | 3558.3 | 3549.1 | 3559.9 | 3524.4 | 3504.3 | 3468.8 | 3456.5 | 3436.4 | 3408.6 | 3399.3 |
| 15° | 3678.8 | 3672.6 | 3654.1 | 3671.0 | 3666.4 | 3647.9 | 3604.7 | 3576.9 | 3533.6 | 3518.2 | 3502.8 |
| 17.5° | 3830.0 | 3810.0 | 3794.5 | 3816.1 | 3839.3 | 3800.7 | 3759.0 | 3720.4 | 3663.3 | 3632.4 | 3613.9 |
| 20° | 3989.0 | 3975.2 | 3959.7 | 3993.7 | 4001.4 | 3972.1 | 3941.2 | 3884.1 | 3817.7 | 3777.6 | 3739.0 |
| 22.5° | 4166.6 | 4138.8 | 4143.4 | 4188.2 | 4174.3 | 4160.4 | 4120.3 | 4074.0 | 3993.7 | 3942.7 | 3831.6 |
| 25° | 4350.3 | 4334.8 | 4356.5 | 4376.5 | 4365.7 | 4336.4 | 4316.3 | 4282.4 | 4192.8 | 4131.1 | 3969.0 |
| 27.5° | 4578.8 | 4554.1 | 4581.8 | 4589.6 | 4580.3 | 4572.6 | 4544.8 | 4518.6 | 4421.3 | 4351.8 | 4149.6 |
| 30° | 4847.4 | 4818.0 | 4862.8 | 4852.0 | 4842.7 | 4848.9 | 4831.9 | 4774.8 | 4688.4 | 4594.2 | 4392.0 |
| 32.5° | 5166.9 | 5128.3 | 5179.3 | 5156.1 | 5134.5 | 5177.7 | 5137.6 | 5083.6 | 4981.7 | 4872.1 | 4674.5 |
| 35° | 5537.4 | 5539.0 | 5565.2 | 5526.6 | 5518.9 | 5565.2 | 5539.0 | 5472.6 | 5378.4 | 5264.2 | 4983.2 |
| 37.5° | 5986.7 | 5974.3 | 6040.7 | 6022.2 | 5994.4 | 6056.1 | 6063.8 | 5980.5 | 5810.7 | 5698.0 | 5366.1 |
| 40° | 6533.1 | 6530.1 | 6551.7 | 6554.8 | 6547.0 | 6576.4 | 6590.3 | 6479.1 | 6369.5 | 6199.7 | 5063.5 |
| 42.5° | 7116.7 | 7129.0 | 7167.6 | 7139.8 | 7176.9 | 7215.5 | 7220.1 | 7127.5 | 6970.0 | 5948.1 | 5378.4 |
| 45° | 7817.5 | 7856.1 | 7882.4 | 7876.2 | 7893.2 | 7948.8 | 7953.4 | 7904.0 | 7749.6 | 6443.6 | 5949.6 |
| 47.5° | 8621.8 | 8658.9 | 8666.6 | 8716.0 | 8700.6 | 8779.3 | 8768.5 | 8770.0 | 8604.9 | 7133.7 | 6571.7 |
| 50° | 9546.5 | 9563.5 | 9626.8 | 9654.6 | 9616.0 | 9722.5 | 9694.7 | 9728.7 | 9524.9 | 7924.1 | 7240.2 |
| 52.5° | 10528.4 | 10557.7 | 10583.9 | 10688.9 | 10639.5 | 10732.1 | 10695.1 | 10773.8 | 10537.6 | 8728.4 | 7982.7 |
| 55° | 11644.5 | 11649.1 | 11693.9 | 11800.4 | 11735.6 | 11846.7 | 11792.7 | 11822.0 | 11633.7 | 9617.6 | 8756.1 |
| 57.5° | 12827.0 | 12811.6 | 12828.6 | 12913.5 | 12854.8 | 12938.2 | 12916.6 | 12944.3 | 12768.4 | 10553.1 | 9321.2 |
| 60° | 13997.2 | 13974.0 | 13998.7 | 14055.8 | 13975.6 | 14119.1 | 14041.9 | 14068.2 | 13878.3 | 11508.7 | 10127.0 |
| 62.5° | 15173.5 | 15156.5 | 15128.7 | 15185.9 | 15068.5 | 15142.6 | 15175.1 | 15131.8 | 14965.1 | 12373.2 | 10827.9 |
| 65° | 16436.3 | 16419.3 | 16317.4 | 16352.9 | 16143.0 | 16107.5 | 16119.8 | 16133.7 | 16022.6 | 13229.9 | 11596.6 |
| 67.5° | 17970.8 | 17946.1 | 17754.7 | 17513.8 | 17211.3 | 17144.9 | 17151.1 | 17188.1 | 17203.5 | 14332.2 | 12496.7 |
| 68° | 18143.7 | 18098.9 | 17885.9 | 17606.5 | 17290.0 | 17212.8 | 17205.1 | 17212.8 | 17220.5 | 14341.4 | 12487.4 |
| 70° | 17702.2 | 17685.2 | 17523.1 | 17185.0 | 16860.8 | 16675.6 | 16515.0 | 16508.9 | 16434.8 | 13608.2 | 11797.3 |
| 72.5° | 15709.2 | 15687.6 | 15494.6 | 15255.3 | 15054.6 | 14764.4 | 14556.0 | 14568.4 | 14446.4 | 12027.4 | 10326.1 |
| 75° | 12712.8 | 12711.2 | 12479.7 | 12279.0 | 12282.1 | 12260.5 | 12191.0 | 12312.9 | 12186.4 | 10201.1 | 8807.1 |
| 77.5° | 8859.6 | 8890.5 | 8875.0 | 8757.7 | 8922.9 | 9151.3 | 9399.9 | 9634.5 | 9562.0 | 8058.4 | 7022.5 |
| 80° | 4628.2 | 4714.6 | 5020.3 | 5034.2 | 5149.9 | 5372.2 | 5542.1 | 5699.5 | 5710.3 | 4572.6 | 4057.0 |
| 82.5° | 1230.4 | 1256.6 | 1360.0 | 1330.7 | 1321.4 | 1366.2 | 1403.3 | 1407.9 | 1411.0 | 1191.8 | 1113.0 |
| 85° | 382.8 | 393.7 | 381.3 | 364.3 | 338.1 | 308.7 | 301.0 | 245.5 | 194.5 | 160.5 | 140.5 |
| 87.5° | 271.7 | 290.2 | 262.4 | 247.0 | 219.2 | 208.4 | 186.8 | 146.7 | 114.2 | 80.3 | 54.0 |
| 90° | 140.5 | 143.6 | 128.1 | 109.6 | 101.9 | 95.7 | 81.8 | 58.7 | 29.3 | 15.4 | 13.9 |
| 92.5° | 71.0 | 72.6 | 63.3 | 54.0 | 46.3 | 40.1 | 30.9 | 17.0 | 9.3 | 4.6 | 1.5 |
| 95° | 27.8 | 29.3 | 26.2 | 23.2 | 18.5 | 13.9 | 12.3 | 9.3 | 6.2 | 3.1 | 1.5 |
| 97.5° | 9.3 | 9.3 | 9.3 | 7.7 | 7.7 | 7.7 | 7.7 | 6.2 | 4.6 | 3.1 | 1.5 |
| 100° | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 4.6 | 4.6 | 4.6 | 3.1 | 1.5 | 1.5 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 3.1 | 3.1 | 3.1 | 1.5 | 1.5 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |



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 CATALOG NUMBER: CST-CA10-310-740-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 | 1.5 | 1.5 | 1.5 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |
| 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 | 1.5 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 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-CA10-310-740-U-T5R-HSS-HM-EX120

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 | 3254.2 |
| 2.5° | 3272.7 | 3263.5 | 3268.1 | 3229.5 | 3238.8 | 3214.1 | 3266.6 | 3252.7 | 3246.5 | 3268.1 |
| 5° | 3280.5 | 3246.5 | 3274.3 | 3248.0 | 3252.7 | 3217.2 | 3260.4 | 3243.4 | 3241.9 | 3254.2 |
| 7.5° | 3283.6 | 3266.6 | 3292.8 | 3249.6 | 3263.5 | 3249.6 | 3282.0 | 3265.0 | 3280.5 | 3291.3 |
| 10° | 3326.8 | 3317.5 | 3314.4 | 3299.0 | 3309.8 | 3278.9 | 3319.1 | 3319.1 | 3326.8 | 3356.1 |
| 12.5° | 3390.1 | 3377.7 | 3370.0 | 3342.2 | 3353.0 | 3343.8 | 3376.2 | 3382.4 | 3396.2 | 3408.6 |
| 15° | 3476.5 | 3454.9 | 3447.2 | 3422.5 | 3430.2 | 3428.7 | 3451.8 | 3453.4 | 3484.2 | 3482.7 |
| 17.5° | 3587.7 | 3556.8 | 3566.1 | 3547.5 | 3549.1 | 3536.7 | 3524.4 | 3524.4 | 3552.2 | 3558.3 |
| 20° | 3720.4 | 3544.4 | 3312.9 | 3183.2 | 3160.1 | 3177.0 | 3243.4 | 3353.0 | 3215.6 | 3254.2 |
| 22.5° | 3481.2 | 3322.1 | 3311.3 | 3282.0 | 3263.5 | 2849.8 | 2743.2 | 2709.3 | 2886.8 | 3192.5 |
| 25° | 3512.0 | 3444.1 | 3424.0 | 3387.0 | 2840.5 | 2835.9 | 2805.0 | 2754.0 | 2250.8 | 2240.0 |
| 27.5° | 3675.7 | 3609.3 | 3576.9 | 2967.1 | 2954.7 | 2953.2 | 2906.9 | 2395.9 | 2280.1 | 2295.6 |
| 30° | 3867.1 | 3789.9 | 3209.5 | 3116.8 | 3106.0 | 3081.3 | 2815.8 | 2366.6 | 2365.0 | 2366.6 |
| 32.5° | 4087.8 | 3831.6 | 3302.1 | 3297.4 | 3303.6 | 3228.0 | 2494.7 | 2485.4 | 2483.9 | 2499.3 |
| 35° | 4390.4 | 3555.3 | 3533.6 | 3556.8 | 3524.4 | 2791.1 | 2644.4 | 2639.8 | 2641.4 | 2633.6 |
| 37.5° | 4189.7 | 3833.1 | 3828.5 | 3828.5 | 3752.9 | 2855.9 | 2826.6 | 2848.2 | 2845.1 | 2834.3 |
| 40° | 4274.6 | 4169.7 | 4141.9 | 4132.6 | 3172.4 | 3081.3 | 3064.3 | 3092.1 | 3096.8 | 3104.5 |
| 42.5° | 4686.8 | 4591.1 | 4577.2 | 4467.6 | 3451.8 | 3422.5 | 3370.0 | 3399.3 | 3396.2 | 3405.5 |
| 45° | 5193.2 | 5128.3 | 5068.1 | 3873.3 | 3828.5 | 3791.4 | 3737.4 | 3771.4 | 3780.6 | 3774.5 |
| 47.5° | 5782.9 | 5711.9 | 5276.5 | 4259.2 | 4257.7 | 4228.3 | 4168.1 | 4195.9 | 4191.3 | 4191.3 |
| 50° | 6375.7 | 6298.5 | 4793.3 | 4750.1 | 4734.7 | 4688.4 | 4639.0 | 4643.6 | 4645.1 | 4660.6 |
| 52.5° | 7038.0 | 5625.4 | 5305.9 | 5219.4 | 5231.8 | 5200.9 | 5153.0 | 3901.1 | 5129.9 | 5143.8 |
| 55° | 6577.9 | 5887.9 | 5869.3 | 5755.1 | 5784.4 | 5744.3 | 5713.4 | 3848.6 | 5102.1 | 5637.8 |
| 57.5° | 6503.8 | 6454.4 | 6439.0 | 6321.7 | 6358.7 | 5977.4 | 6263.0 | 4211.3 | 3529.0 | 2578.1 |
| 60° | 7070.4 | 7017.9 | 7008.6 | 6905.2 | 6902.1 | 4750.1 | 5693.3 | 2888.4 | 2257.0 | 2272.4 |
| 62.5° | 7619.9 | 7535.0 | 7558.2 | 7436.2 | 5242.6 | 2894.5 | 2551.8 | 64.8 | 103.4 | 109.6 |
| 65° | 8232.8 | 8090.8 | 8113.9 | 8001.3 | 5407.8 | 3052.0 | 2758.7 | 34.0 | 29.3 | 27.8 |
| 67.5° | 8822.5 | 8574.0 | 8455.1 | 8336.2 | 5616.2 | 3214.1 | 2874.5 | 9.3 | 0.0 | 0.0 |
| 68° | 8793.2 | 8530.8 | 8408.8 | 8296.1 | 5594.5 | 3209.5 | 2868.3 | 9.3 | 0.0 | 0.0 |
| 70° | 8297.7 | 8061.5 | 7945.7 | 7859.2 | 5341.4 | 3099.8 | 2752.5 | 9.3 | 0.0 | 0.0 |
| 72.5° | 7254.1 | 7122.9 | 7048.8 | 6973.1 | 4745.5 | 2772.6 | 2468.5 | 9.3 | 0.0 | 0.0 |
| 75° | 6164.2 | 6127.1 | 6080.8 | 5914.1 | 3955.1 | 2269.3 | 2028.5 | 9.3 | 0.0 | 0.0 |
| 77.5° | 4884.4 | 4882.9 | 4770.2 | 4574.1 | 2977.9 | 1665.7 | 1495.9 | 7.7 | 0.0 | 0.0 |
| 80° | 2641.4 | 2879.1 | 2792.6 | 2692.3 | 1688.9 | 906.2 | 863.0 | 6.2 | 0.0 | 0.0 |
| 82.5° | 742.5 | 702.4 | 674.6 | 631.4 | 355.1 | 197.6 | 193.0 | 6.2 | 0.0 | 0.0 |
| 85° | 103.4 | 114.2 | 126.6 | 143.6 | 81.8 | 52.5 | 46.3 | 3.1 | 0.0 | 0.0 |
| 87.5° | 58.7 | 66.4 | 81.8 | 84.9 | 30.9 | 24.7 | 7.7 | 0.0 | 0.0 | 0.0 |
| 90° | 12.3 | 13.9 | 15.4 | 15.4 | 6.2 | 6.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 1.5 | 1.5 | 1.5 | 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° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110° | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 1.5 | 1.5 | 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 | 0.0 | 0.0 |

(END OF REPORT)