

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: P579508

Luminaire Tested: **CST-CA8-330-740-U-T5-HSS-HM-EX120**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/18/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA8-330-740-U-T5-HSS-HM-EX120
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD
Light Source: (8) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35985 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U2 - G5

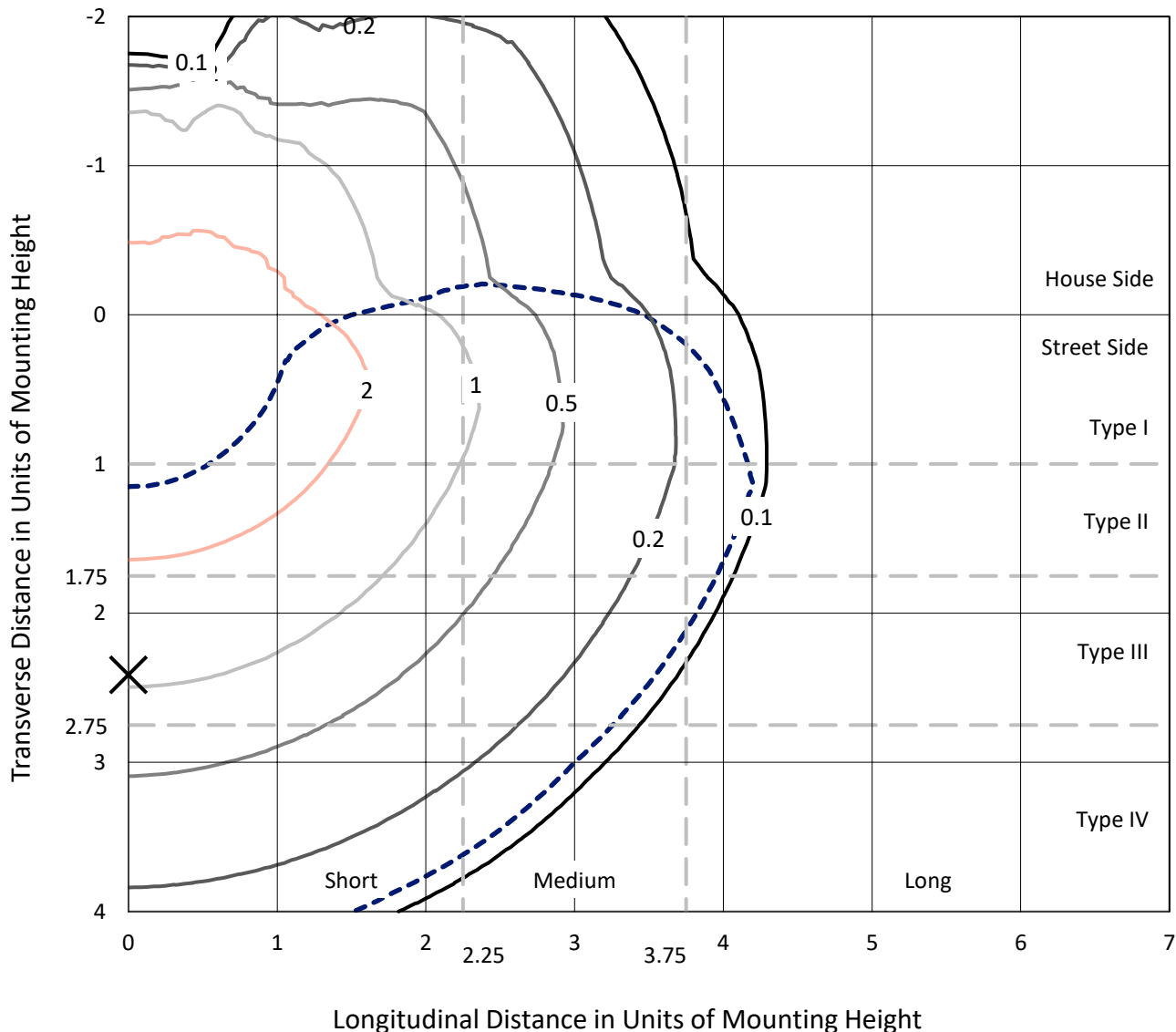
Input Watts (W): 331.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

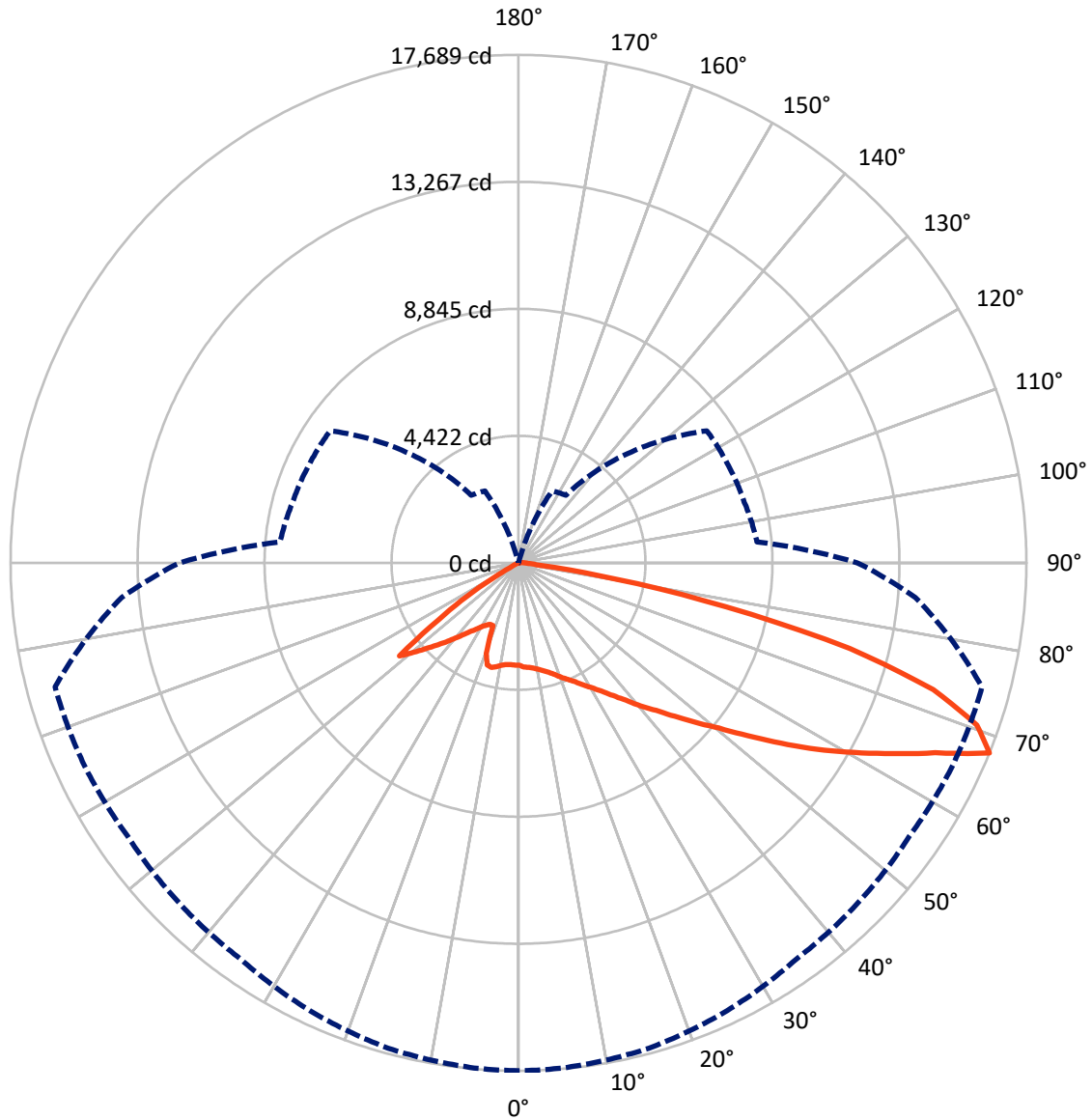
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 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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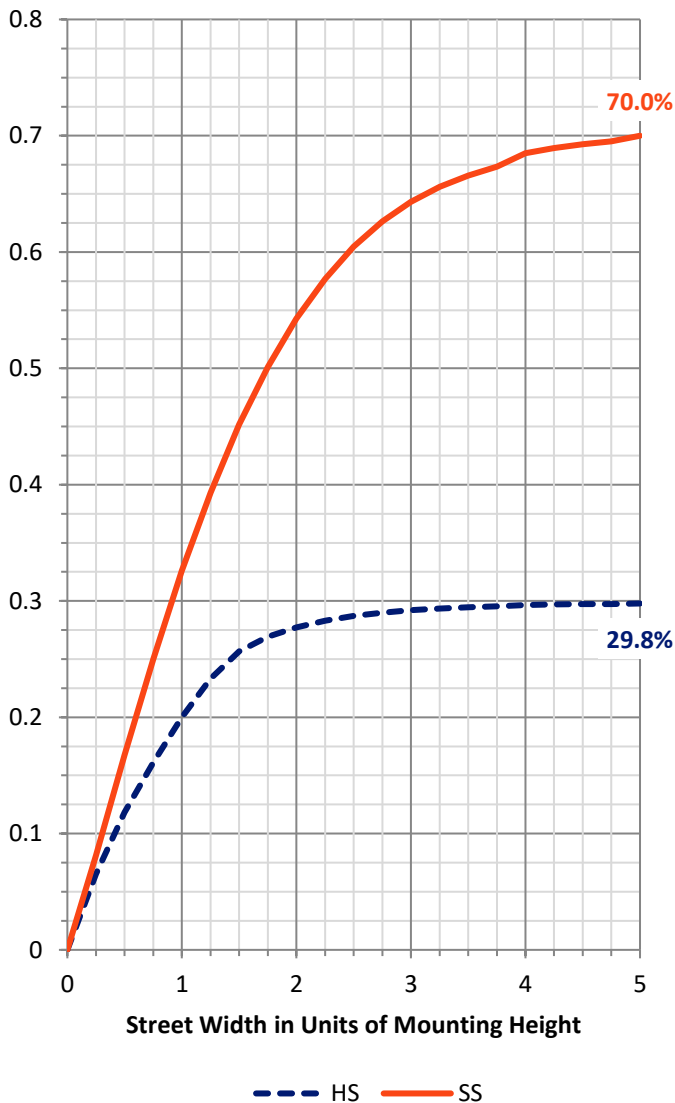
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10741.7 | 3.6 | 10745.3 |
| | % Fixture | 29.9 | 0.0 | 29.9 |
| Street Side | Lumens | 25199.2 | 40.5 | 25239.7 |
| | % Fixture | 70.0 | 0.1 | 70.1 |
| Total | Lumens | 35940.9 | 44.1 | 35985.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 343.8 | 1.0 |
| 10°-20° | 1064.2 | 3.0 |
| 20°-30° | 1786.0 | 5.0 |
| 30°-40° | 2896.1 | 8.0 |
| 40°-50° | 4732.5 | 13.2 |
| 50°-60° | 7416.6 | 20.6 |
| 60°-70° | 9933.1 | 27.6 |
| 70°-80° | 7239.9 | 20.1 |
| 80°-90° | 528.7 | 1.5 |
| 90°-100° | 33.8 | 0.1 |
| 100°-110° | 9.6 | 0.0 |
| 110°-120° | 0.7 | 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° | 35940.9 | 99.9 |
| 0°-180° | 35985.0 | 100.0 |

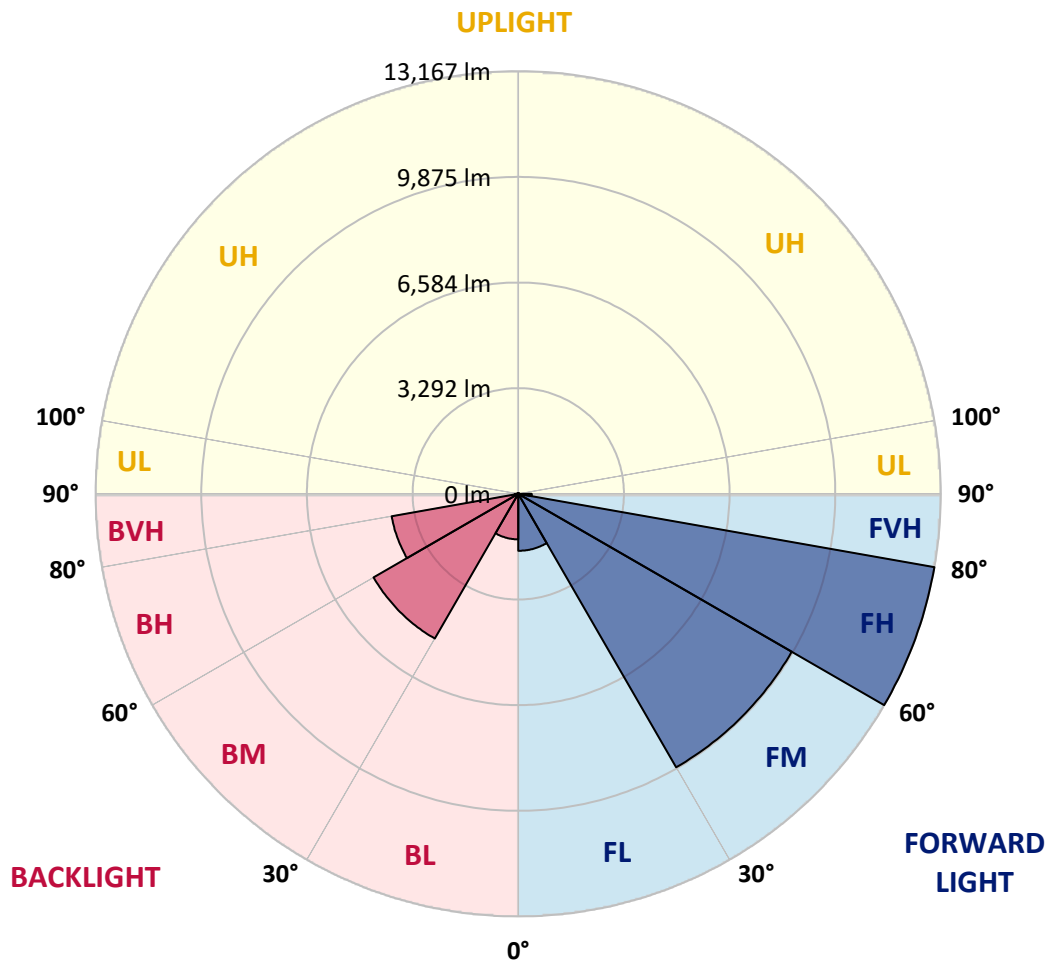


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|-------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1775.0 | 4.9 | | | |
| FM (30°-60°) | 9838.9 | 27.3 | | | |
| FH (60°-80°) | 13167.2 | 36.6 | | | G5 |
| FVH (80°-90°) | 418.1 | 1.2 | | | G3/500 |
| BL (0°-30°) | 1419.0 | 3.9 | B3/2500 | | |
| BM (30°-60°) | 5206.2 | 14.5 | B4/8500 | | |
| BH (60°-80°) | 4005.9 | 11.1 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 110.6 | 0.3 | | | G2/225 |
| UL (90°-100°) | 33.8 | 0.1 | | U2/50 | |
| UH (100°-180°) | 10.3 | 0.0 | | U2/50 | |

BUG Rating: B4-U2-G5
 Type IV Short





REPORT NUMBER: P579508

CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX120

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 |
| 2.5° | 3633.8 | 3612.6 | 3614.1 | 3633.8 | 3574.8 | 3594.4 | 3568.7 | 3588.4 | 3574.8 | 3579.3 | 3588.4 |
| 5° | 3656.5 | 3633.8 | 3635.3 | 3659.5 | 3606.5 | 3623.2 | 3588.4 | 3599.0 | 3586.9 | 3592.9 | 3592.9 |
| 7.5° | 3701.9 | 3676.1 | 3674.6 | 3689.8 | 3635.3 | 3641.3 | 3609.6 | 3611.1 | 3592.9 | 3605.0 | 3599.0 |
| 10° | 3769.9 | 3748.8 | 3733.6 | 3742.7 | 3694.3 | 3691.3 | 3650.4 | 3651.9 | 3629.2 | 3642.9 | 3632.3 |
| 12.5° | 3853.1 | 3824.4 | 3821.4 | 3824.4 | 3771.4 | 3759.3 | 3717.0 | 3720.0 | 3679.2 | 3700.3 | 3688.2 |
| 15° | 3959.0 | 3913.6 | 3913.6 | 3930.3 | 3862.2 | 3853.1 | 3801.7 | 3804.7 | 3762.4 | 3779.0 | 3766.9 |
| 17.5° | 4089.1 | 4045.3 | 4037.7 | 4049.8 | 3990.8 | 3978.7 | 3925.8 | 3922.7 | 3875.8 | 3880.4 | 3869.8 |
| 20° | 4257.1 | 4213.2 | 4195.0 | 4225.3 | 4151.2 | 4142.1 | 4078.5 | 4072.5 | 4022.6 | 4009.0 | 4002.9 |
| 22.5° | 4412.9 | 4378.1 | 4369.0 | 4402.3 | 4325.1 | 4317.6 | 4257.1 | 4249.5 | 4202.6 | 4182.9 | 4063.4 |
| 25° | 4588.4 | 4580.8 | 4577.8 | 4588.4 | 4515.7 | 4500.6 | 4453.7 | 4443.1 | 4403.8 | 4379.6 | 4234.4 |
| 27.5° | 4815.3 | 4812.3 | 4803.2 | 4804.7 | 4738.1 | 4724.5 | 4680.6 | 4673.1 | 4632.2 | 4605.0 | 4418.9 |
| 30° | 5052.8 | 5052.8 | 5033.1 | 5043.7 | 5010.4 | 4989.3 | 4954.5 | 4927.2 | 4901.5 | 4872.8 | 4638.3 |
| 32.5° | 5326.6 | 5325.1 | 5307.0 | 5338.7 | 5314.5 | 5314.5 | 5293.3 | 5264.6 | 5219.2 | 5205.6 | 4921.2 |
| 35° | 5679.1 | 5656.4 | 5648.8 | 5700.3 | 5692.7 | 5706.3 | 5698.8 | 5668.5 | 5630.7 | 5598.9 | 5254.0 |
| 37.5° | 6069.4 | 6063.4 | 6086.1 | 6117.8 | 6134.5 | 6170.8 | 6148.1 | 6146.6 | 6140.5 | 6060.3 | 5164.7 |
| 40° | 6550.5 | 6524.8 | 6556.5 | 6573.2 | 6561.1 | 6620.1 | 6600.4 | 6617.0 | 6662.4 | 6018.0 | 5158.7 |
| 42.5° | 7030.0 | 7007.4 | 7030.0 | 7111.7 | 7093.6 | 7164.7 | 7155.6 | 7220.7 | 7246.4 | 6107.2 | 5577.7 |
| 45° | 7620.0 | 7594.3 | 7612.5 | 7709.3 | 7718.4 | 7804.6 | 7851.5 | 7913.5 | 7925.6 | 6685.1 | 6083.0 |
| 47.5° | 8297.8 | 8255.4 | 8290.2 | 8335.6 | 8473.3 | 8555.0 | 8600.3 | 8676.0 | 8753.1 | 7381.0 | 6657.9 |
| 50° | 9045.1 | 9042.1 | 9079.9 | 9158.6 | 9315.9 | 9397.6 | 9476.3 | 9554.9 | 9682.0 | 8157.1 | 7302.4 |
| 52.5° | 9995.2 | 9975.5 | 10040.5 | 10114.7 | 10253.9 | 10379.4 | 10473.2 | 10554.9 | 10691.1 | 8942.2 | 7999.8 |
| 55° | 11081.4 | 11013.3 | 11137.3 | 11262.9 | 11321.9 | 11470.2 | 11535.2 | 11603.3 | 11733.4 | 9768.2 | 8406.7 |
| 57.5° | 12253.8 | 12237.2 | 12323.4 | 12368.8 | 12495.8 | 12588.1 | 12622.9 | 12697.0 | 12695.5 | 10627.5 | 9099.6 |
| 60° | 13408.1 | 13389.9 | 13491.3 | 13518.5 | 13619.9 | 13703.1 | 13691.0 | 13757.5 | 13781.7 | 11433.8 | 9778.8 |
| 62.5° | 14622.9 | 14592.6 | 14686.4 | 14692.4 | 14631.9 | 14766.6 | 14753.0 | 14808.9 | 14787.8 | 12222.0 | 10447.5 |
| 65° | 15951.1 | 15973.8 | 16004.1 | 15880.0 | 15734.8 | 15851.3 | 15848.2 | 15954.1 | 16029.8 | 13323.4 | 11343.1 |
| 67.5° | 17689.3 | 17660.6 | 17504.8 | 17205.2 | 16852.7 | 16734.7 | 16609.2 | 16686.3 | 16707.5 | 13871.0 | 11801.5 |
| 70° | 16939.0 | 16875.4 | 16805.9 | 16500.3 | 16075.2 | 15775.6 | 15580.5 | 15662.2 | 15748.4 | 13108.5 | 11084.4 |
| 72.5° | 15110.0 | 14952.7 | 14628.9 | 14359.6 | 14114.6 | 13822.6 | 13585.1 | 13727.3 | 13916.4 | 11627.5 | 9815.1 |
| 75° | 11921.0 | 11774.2 | 11538.2 | 11355.2 | 11223.6 | 11220.5 | 11210.0 | 11320.4 | 11293.2 | 9441.5 | 7980.1 |
| 77.5° | 7382.5 | 7689.6 | 7907.5 | 7751.7 | 7806.1 | 7694.2 | 7940.8 | 8086.0 | 8217.6 | 6768.3 | 5685.2 |
| 80° | 3408.4 | 3487.0 | 3872.8 | 3773.0 | 3692.8 | 3670.1 | 3685.2 | 3937.9 | 4012.0 | 3037.7 | 2544.6 |
| 82.5° | 777.6 | 745.8 | 773.0 | 717.1 | 714.0 | 680.8 | 685.3 | 685.3 | 661.1 | 559.7 | 469.0 |
| 85° | 393.3 | 402.4 | 405.4 | 388.8 | 343.4 | 308.6 | 285.9 | 242.1 | 208.8 | 178.5 | 151.3 |
| 87.5° | 263.2 | 270.8 | 275.3 | 252.6 | 226.9 | 198.2 | 180.0 | 146.7 | 116.5 | 72.6 | 56.0 |
| 90° | 180.0 | 178.5 | 174.0 | 161.9 | 145.2 | 124.1 | 99.8 | 69.6 | 40.8 | 15.1 | 10.6 |
| 92.5° | 128.6 | 125.6 | 124.1 | 113.5 | 101.4 | 84.7 | 65.1 | 43.9 | 22.7 | 10.6 | 6.1 |
| 95° | 84.7 | 83.2 | 83.2 | 77.2 | 68.1 | 56.0 | 43.9 | 28.7 | 16.6 | 9.1 | 6.1 |
| 97.5° | 59.0 | 57.5 | 57.5 | 54.5 | 48.4 | 40.8 | 30.3 | 19.7 | 13.6 | 9.1 | 6.1 |
| 100° | 40.8 | 40.8 | 40.8 | 37.8 | 34.8 | 28.7 | 22.7 | 15.1 | 12.1 | 9.1 | 6.1 |
| 102.5° | 27.2 | 27.2 | 28.7 | 27.2 | 24.2 | 19.7 | 15.1 | 12.1 | 10.6 | 7.6 | 6.1 |
| 105° | 18.2 | 18.2 | 18.2 | 18.2 | 16.6 | 13.6 | 12.1 | 10.6 | 9.1 | 7.6 | 6.1 |
| 107.5° | 12.1 | 12.1 | 12.1 | 12.1 | 10.6 | 9.1 | 9.1 | 9.1 | 7.6 | 7.6 | 6.1 |
| 110° | 7.6 | 7.6 | 7.6 | 9.1 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 6.1 | 6.1 |



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 CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX120

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-CA8-330-740-U-T5-HSS-HM-EX120

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 | 3565.7 |
| 2.5° | 3580.8 | 3559.7 | 3570.2 | 3549.1 | 3540.0 | 3520.3 | 3558.1 | 3561.2 | 3558.1 | 3564.2 |
| 5° | 3585.4 | 3561.2 | 3573.3 | 3549.1 | 3544.5 | 3521.8 | 3559.7 | 3559.7 | 3550.6 | 3555.1 |
| 7.5° | 3596.0 | 3570.2 | 3579.3 | 3550.6 | 3550.6 | 3523.3 | 3568.7 | 3565.7 | 3558.1 | 3568.7 |
| 10° | 3632.3 | 3602.0 | 3602.0 | 3574.8 | 3577.8 | 3549.1 | 3605.0 | 3605.0 | 3599.0 | 3617.1 |
| 12.5° | 3688.2 | 3650.4 | 3651.9 | 3614.1 | 3620.2 | 3597.5 | 3665.5 | 3668.6 | 3668.6 | 3698.8 |
| 15° | 3760.9 | 3703.4 | 3709.4 | 3668.6 | 3680.7 | 3653.4 | 3714.0 | 3710.9 | 3718.5 | 3762.4 |
| 17.5° | 3850.1 | 3786.6 | 3733.6 | 3600.5 | 3521.8 | 3524.9 | 3704.9 | 3788.1 | 3691.3 | 3720.0 |
| 20° | 3887.9 | 3579.3 | 3411.4 | 3363.0 | 3352.4 | 3184.5 | 2841.1 | 2894.0 | 3217.8 | 3358.4 |
| 22.5° | 3633.8 | 3535.4 | 3518.8 | 3456.8 | 2998.4 | 2871.3 | 2892.5 | 2862.2 | 2544.6 | 2364.5 |
| 25° | 3757.8 | 3692.8 | 3655.0 | 3108.8 | 3006.0 | 2983.3 | 2968.1 | 2680.7 | 2335.8 | 2352.4 |
| 27.5° | 3933.3 | 3848.6 | 3394.8 | 3122.4 | 3142.1 | 3107.3 | 3019.6 | 2411.4 | 2400.8 | 2428.1 |
| 30° | 4140.6 | 3927.3 | 3308.5 | 3282.8 | 3305.5 | 3260.1 | 2538.5 | 2514.3 | 2514.3 | 2541.5 |
| 32.5° | 4394.7 | 3562.7 | 3511.2 | 3514.3 | 3499.1 | 2984.8 | 2671.6 | 2665.6 | 2683.7 | 2706.4 |
| 35° | 4323.6 | 3800.2 | 3804.7 | 3830.4 | 3795.7 | 2919.7 | 2880.4 | 2857.7 | 2872.8 | 2881.9 |
| 37.5° | 4184.4 | 4157.2 | 4157.2 | 4128.5 | 3240.4 | 3148.2 | 3105.8 | 3102.8 | 3101.3 | 3101.3 |
| 40° | 4535.4 | 4509.7 | 4477.9 | 4428.0 | 3390.2 | 3414.4 | 3350.9 | 3343.3 | 3347.9 | 3364.5 |
| 42.5° | 4934.8 | 4924.2 | 4921.2 | 3800.2 | 3701.9 | 3720.0 | 3651.9 | 3632.3 | 3632.3 | 3670.1 |
| 45° | 5405.3 | 5391.7 | 5057.3 | 4061.9 | 4045.3 | 4066.4 | 3990.8 | 3943.9 | 3969.6 | 3996.9 |
| 47.5° | 5945.4 | 5945.4 | 4477.9 | 4453.7 | 4453.7 | 4465.8 | 4390.2 | 4326.6 | 4352.4 | 4361.4 |
| 50° | 6536.9 | 5612.5 | 4927.2 | 4904.5 | 4925.7 | 4919.7 | 4841.0 | 4251.0 | 4797.1 | 4801.7 |
| 52.5° | 6701.8 | 5458.2 | 5420.4 | 5394.7 | 5420.4 | 5415.9 | 5334.2 | 3546.0 | 5189.0 | 5263.1 |
| 55° | 5940.8 | 5945.4 | 5937.8 | 5900.0 | 5927.2 | 5916.6 | 5836.4 | 3871.3 | 3825.9 | 3409.9 |
| 57.5° | 6423.4 | 6429.5 | 6426.4 | 6420.4 | 6444.6 | 4682.2 | 6045.2 | 3497.6 | 2136.1 | 2137.6 |
| 60° | 6948.4 | 6918.1 | 6909.0 | 6895.4 | 5844.0 | 3319.1 | 2518.8 | 243.6 | 835.1 | 823.0 |
| 62.5° | 7424.9 | 7414.3 | 7382.5 | 7375.0 | 4959.0 | 2614.1 | 2553.6 | 56.0 | 43.9 | 42.4 |
| 65° | 8087.5 | 7993.7 | 7968.0 | 7887.8 | 5285.8 | 2783.6 | 2726.1 | 16.6 | 1.5 | 0.0 |
| 67.5° | 8334.1 | 8143.5 | 8051.2 | 8008.8 | 5378.1 | 2871.3 | 2760.9 | 16.6 | 1.5 | 0.0 |
| 70° | 7868.1 | 7632.1 | 7515.7 | 7468.8 | 5025.6 | 2683.7 | 2574.8 | 16.6 | 1.5 | 0.0 |
| 72.5° | 6977.1 | 6803.1 | 6756.2 | 6606.5 | 4431.0 | 2355.5 | 2260.1 | 16.6 | 0.0 | 0.0 |
| 75° | 5723.0 | 5659.4 | 5602.0 | 5443.1 | 3602.0 | 1871.4 | 1786.6 | 15.1 | 0.0 | 0.0 |
| 77.5° | 4164.8 | 4071.0 | 3965.1 | 3792.6 | 2431.1 | 1222.4 | 1178.5 | 13.6 | 0.0 | 0.0 |
| 80° | 1877.4 | 1800.2 | 1774.5 | 1505.2 | 862.3 | 397.9 | 351.0 | 12.1 | 0.0 | 0.0 |
| 82.5° | 364.6 | 328.3 | 311.6 | 299.5 | 193.6 | 107.4 | 93.8 | 9.1 | 0.0 | 0.0 |
| 85° | 124.1 | 137.7 | 160.4 | 177.0 | 108.9 | 65.1 | 54.5 | 6.1 | 0.0 | 0.0 |
| 87.5° | 48.4 | 65.1 | 78.7 | 81.7 | 40.8 | 27.2 | 15.1 | 3.0 | 0.0 | 0.0 |
| 90° | 9.1 | 12.1 | 10.6 | 7.6 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 4.5 | 6.1 | 4.5 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 6.1 | 6.1 | 6.1 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 6.1 | 6.1 | 6.1 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 6.1 | 6.1 | 6.1 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 6.1 | 6.1 | 6.1 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 6.1 | 7.6 | 6.1 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 6.1 | 7.6 | 6.1 | 4.5 | 3.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 6.1 | 7.6 | 6.1 | 4.5 | 3.0 | 1.5 | 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 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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