

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: P579509

Luminaire Tested: **CST-CA8-330-740-U-T5-HSS-HM-EX180**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-3)
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-EX180
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: 30186 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U2 - G4

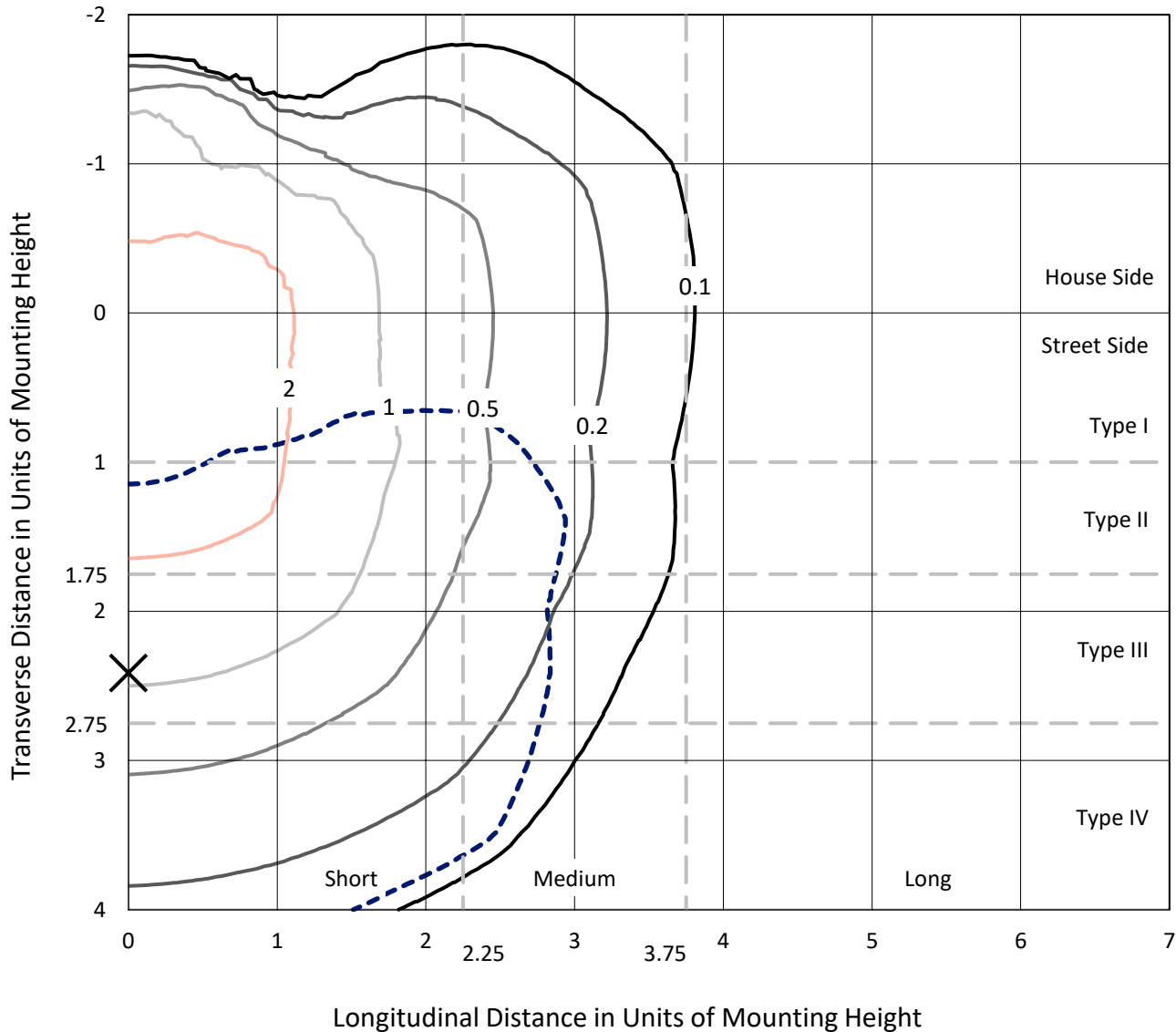
Input Watts (W): 331.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P579509
CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

Iso-Footcandle Lines of Horizontal Illumination

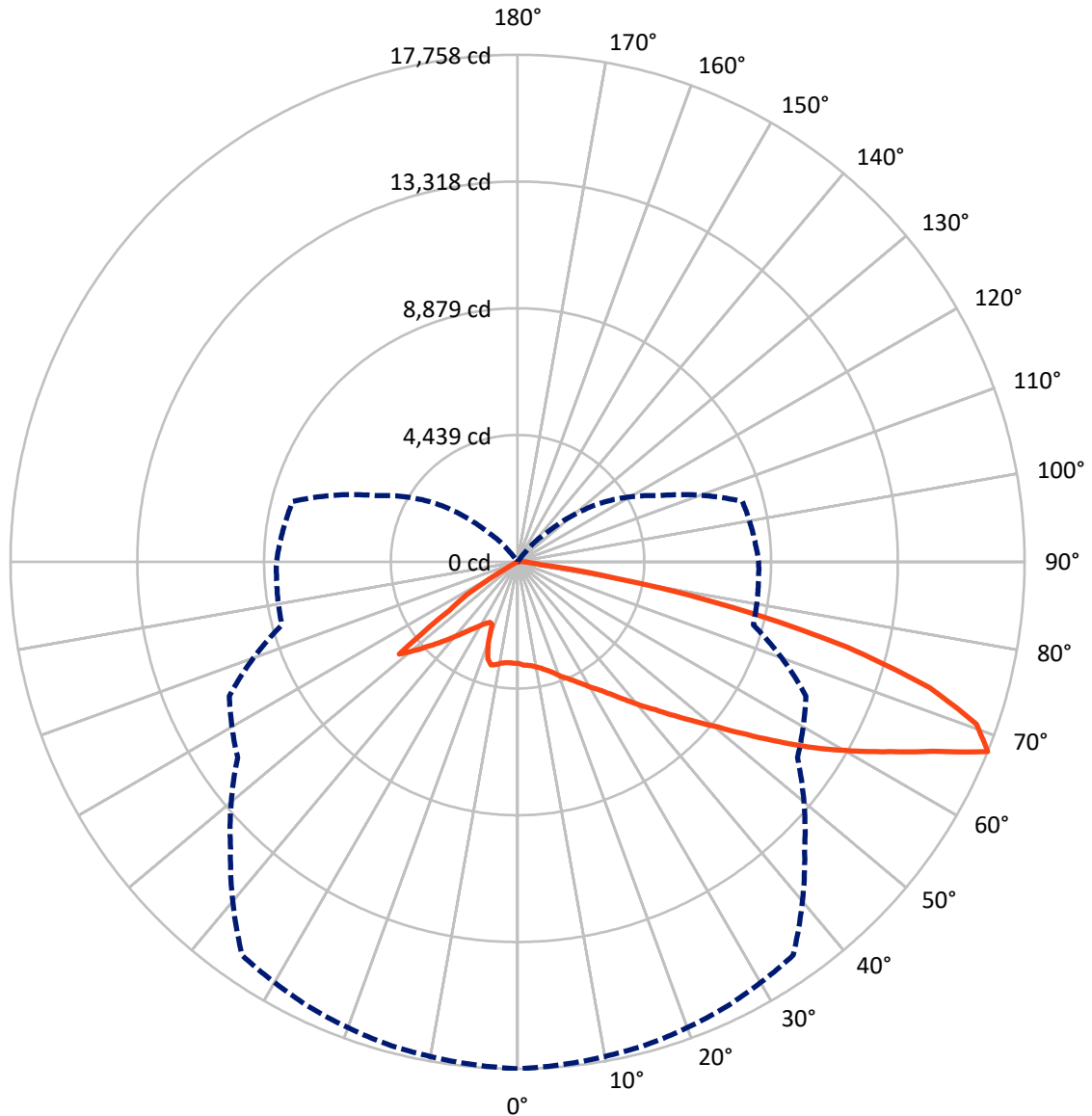
✕ Max cd
- - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc
Type IV - Short - N/A

REPORT NUMBER: P579509
CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

Luminous Intensity Polar Plot



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

REPORT NUMBER: P579509
 CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

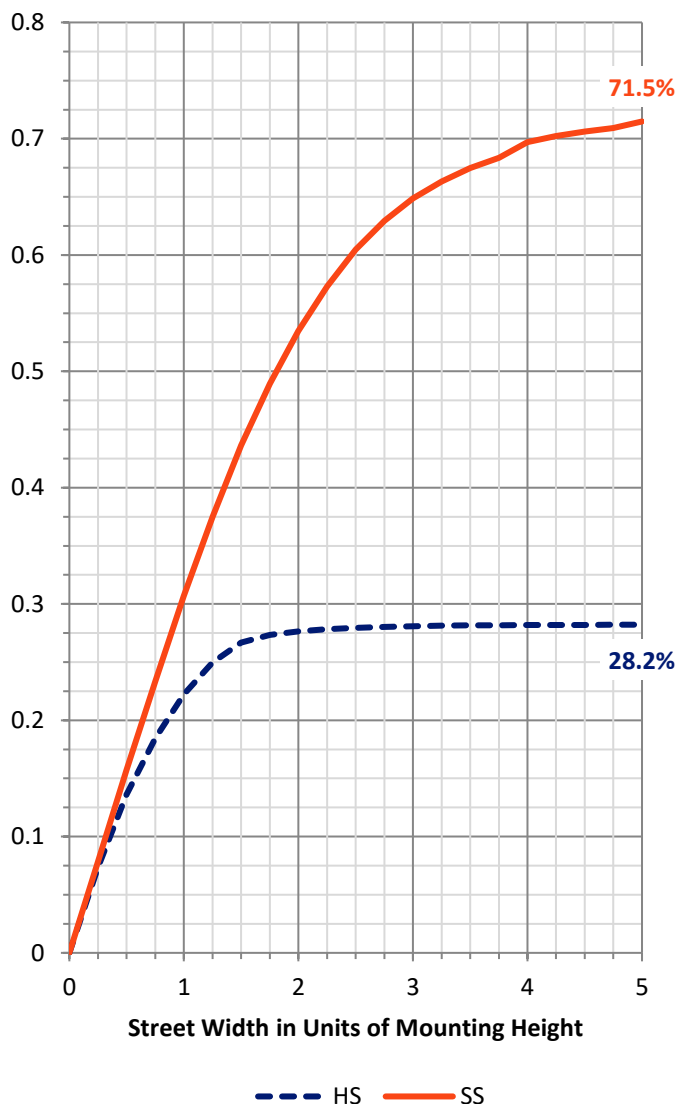
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8555.3 | 0.1 | 8555.4 |
| | % Fixture | 28.3 | 0.0 | 28.3 |
| Street Side | Lumens | 21592.2 | 38.4 | 21630.6 |
| | % Fixture | 71.5 | 0.1 | 71.7 |
| Total | Lumens | 30147.4 | 38.6 | 30186.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 342.8 | 1.1 |
| 10°-20° | 1055.4 | 3.5 |
| 20°-30° | 1747.6 | 5.8 |
| 30°-40° | 2751.1 | 9.1 |
| 40°-50° | 4305.5 | 14.3 |
| 50°-60° | 6216.4 | 20.6 |
| 60°-70° | 7701.0 | 25.5 |
| 70°-80° | 5608.5 | 18.6 |
| 80°-90° | 419.0 | 1.4 |
| 90°-100° | 32.9 | 0.1 |
| 100°-110° | 5.5 | 0.0 |
| 110°-120° | 0.2 | 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° | 30147.4 | 99.9 |
| 0°-180° | 30186.0 | 100.0 |

Coefficient of Utilization

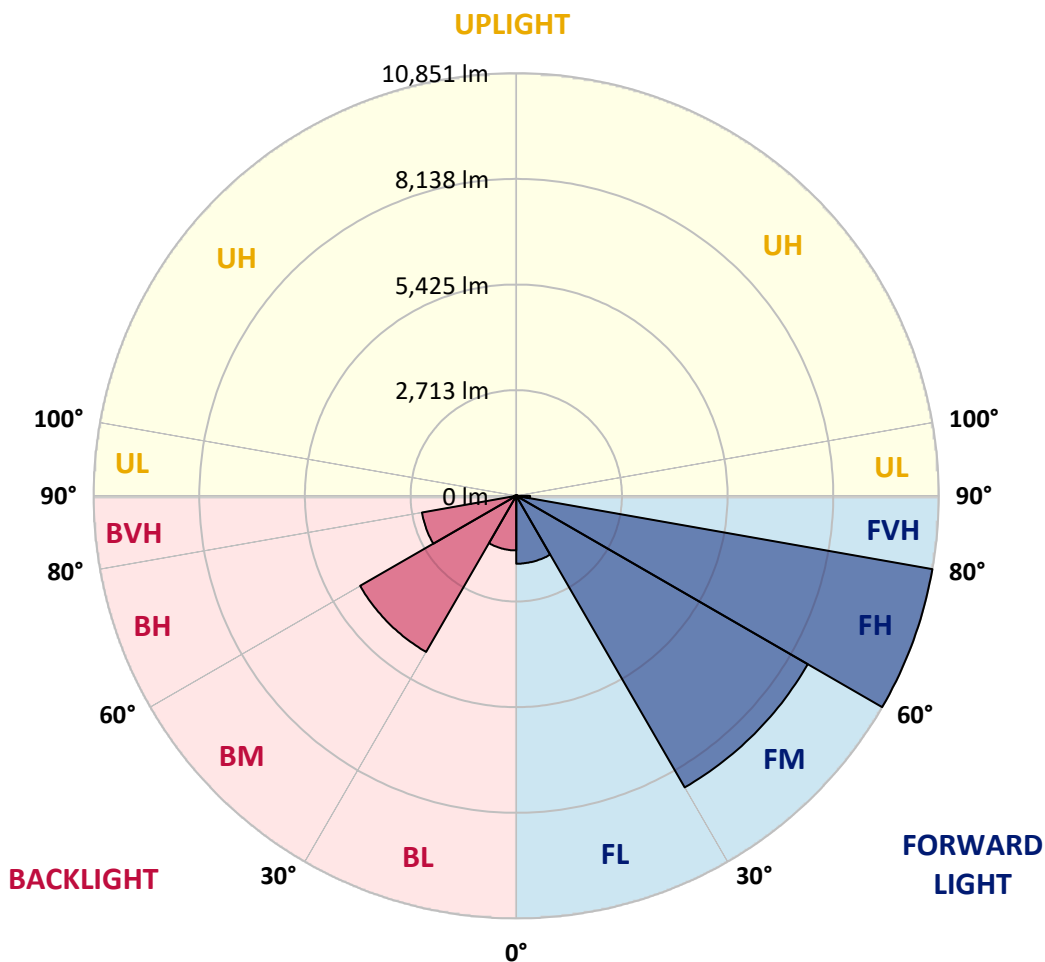


REPORT NUMBER: P579509
 CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|-------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 1743.5 | 5.8 | | | |
| FM | (30°-60°) | 8644.4 | 28.6 | | | |
| FH | (60°-80°) | 10850.9 | 35.9 | | | G4/12000 |
| FVH | (80°-90°) | 353.4 | 1.2 | | | G3/500 |
| BL | (0°-30°) | 1402.5 | 4.6 | B3/2500 | | |
| BM | (30°-60°) | 4628.6 | 15.3 | B3/5000 | | |
| BH | (60°-80°) | 2458.7 | 8.1 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 65.6 | 0.2 | | | G1/100 |
| UL | (90°-100°) | 32.9 | 0.1 | | U2/50 | |
| UH | (100°-180°) | 5.7 | 0.0 | | U1/10 | |

BUG Rating: B3-U2-G4
 Type IV Short





REPORT NUMBER: P579509

CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 |
| 2.5° | 3620.2 | 3600.5 | 3600.5 | 3621.7 | 3562.7 | 3580.9 | 3556.6 | 3577.8 | 3565.7 | 3571.8 | 3579.3 |
| 5° | 3641.4 | 3618.7 | 3620.2 | 3645.9 | 3593.0 | 3608.1 | 3579.3 | 3589.9 | 3579.3 | 3583.9 | 3583.9 |
| 7.5° | 3680.7 | 3661.0 | 3661.0 | 3676.2 | 3623.2 | 3627.7 | 3602.0 | 3602.0 | 3588.4 | 3599.0 | 3589.9 |
| 10° | 3754.8 | 3733.6 | 3723.1 | 3730.6 | 3683.7 | 3677.7 | 3642.9 | 3642.9 | 3621.7 | 3638.3 | 3624.7 |
| 12.5° | 3844.1 | 3813.8 | 3810.8 | 3812.3 | 3759.4 | 3748.8 | 3709.4 | 3711.0 | 3671.6 | 3694.3 | 3677.7 |
| 15° | 3951.5 | 3913.7 | 3910.6 | 3916.7 | 3860.7 | 3841.1 | 3797.2 | 3797.2 | 3753.3 | 3765.4 | 3742.7 |
| 17.5° | 4089.2 | 4045.3 | 4037.7 | 4048.3 | 3992.3 | 3974.2 | 3922.7 | 3913.7 | 3865.3 | 3856.2 | 3836.5 |
| 20° | 4270.7 | 4220.8 | 4205.6 | 4228.3 | 4157.2 | 4140.6 | 4078.6 | 4058.9 | 3993.9 | 3886.4 | 3745.7 |
| 22.5° | 4434.1 | 4394.8 | 4385.7 | 4400.8 | 4335.8 | 4319.1 | 4258.6 | 4217.8 | 4060.4 | 3844.1 | 3714.0 |
| 25° | 4620.2 | 4605.0 | 4600.5 | 4591.4 | 4532.4 | 4503.7 | 4446.2 | 4388.7 | 4031.7 | 3735.2 | 3732.1 |
| 27.5° | 4850.1 | 4842.5 | 4821.4 | 4813.8 | 4748.8 | 4730.6 | 4655.0 | 4284.3 | 3928.8 | 3907.6 | 3895.5 |
| 30° | 5101.2 | 5086.1 | 5064.9 | 5066.4 | 5022.6 | 4989.3 | 4809.3 | 4192.0 | 4127.0 | 4127.0 | 4095.2 |
| 32.5° | 5379.6 | 5363.0 | 5341.8 | 5346.3 | 5328.2 | 5299.4 | 4757.8 | 4435.6 | 4385.7 | 4399.3 | 4360.0 |
| 35° | 5724.5 | 5697.3 | 5689.7 | 5707.9 | 5709.4 | 5523.3 | 4848.6 | 4766.9 | 4727.6 | 4718.5 | 4570.2 |
| 37.5° | 6126.9 | 6104.2 | 6131.5 | 6173.8 | 6125.4 | 5580.8 | 5210.2 | 5184.4 | 5145.1 | 4925.8 | 4574.8 |
| 40° | 6609.5 | 6568.7 | 6602.0 | 6629.2 | 6597.4 | 5922.7 | 5589.9 | 5599.0 | 5564.2 | 4913.6 | 4524.9 |
| 42.5° | 7087.6 | 7048.2 | 7077.0 | 7145.1 | 7133.0 | 6346.3 | 6052.8 | 6072.5 | 5721.5 | 4942.4 | 4912.1 |
| 45° | 7679.1 | 7665.5 | 7656.4 | 7712.4 | 7759.3 | 6853.1 | 6602.0 | 6600.4 | 5609.5 | 5399.3 | 5372.0 |
| 47.5° | 8349.3 | 8331.1 | 8335.7 | 8406.8 | 8477.9 | 7458.2 | 7251.0 | 6642.8 | 5898.5 | 5919.7 | 5895.5 |
| 50° | 9096.6 | 9076.9 | 9135.9 | 9238.8 | 9275.1 | 8137.5 | 7883.3 | 6527.8 | 6500.6 | 6523.3 | 6482.4 |
| 52.5° | 10045.1 | 10001.3 | 10092.0 | 10202.5 | 10249.4 | 8940.8 | 7918.1 | 7207.1 | 7161.7 | 7166.2 | 7036.1 |
| 55° | 11123.8 | 11089.0 | 11170.7 | 11294.7 | 11364.3 | 9837.9 | 8641.2 | 7868.2 | 7841.0 | 7069.4 | 6366.0 |
| 57.5° | 12296.2 | 12256.9 | 12365.8 | 12402.1 | 12420.3 | 10765.2 | 9368.9 | 8585.3 | 7325.1 | 6455.2 | 6415.9 |
| 60° | 13446.0 | 13403.6 | 13541.3 | 13547.3 | 13600.3 | 11691.1 | 10060.3 | 9276.6 | 7057.3 | 6942.3 | 6909.1 |
| 62.5° | 14653.2 | 14600.3 | 14721.3 | 14716.7 | 14612.4 | 12538.3 | 10745.6 | 9940.8 | 7535.4 | 7444.6 | 7393.2 |
| 65° | 15993.6 | 15954.2 | 16038.9 | 15902.8 | 15695.5 | 13414.2 | 11456.6 | 10663.9 | 8092.1 | 8075.4 | 8063.3 |
| 67.5° | 17757.5 | 17680.4 | 17509.4 | 17218.9 | 16822.6 | 14217.5 | 11964.9 | 11140.4 | 8544.4 | 8467.3 | 8443.1 |
| 70° | 17048.0 | 16957.2 | 16827.1 | 16507.9 | 16104.0 | 13462.6 | 11148.0 | 10420.3 | 7989.2 | 7992.2 | 7934.8 |
| 72.5° | 15094.9 | 14937.6 | 14815.1 | 14367.3 | 14144.9 | 11757.7 | 9713.8 | 9043.7 | 6910.6 | 7039.2 | 7011.9 |
| 75° | 11907.4 | 11747.1 | 11545.9 | 11370.4 | 11346.2 | 9536.8 | 7831.9 | 7349.3 | 5509.7 | 5603.5 | 5671.6 |
| 77.5° | 7718.4 | 7659.4 | 7913.6 | 7747.2 | 7896.9 | 6567.2 | 5594.4 | 5179.9 | 3797.2 | 4034.7 | 4002.9 |
| 80° | 3532.4 | 3464.4 | 3872.8 | 3757.9 | 3813.8 | 3225.3 | 2733.7 | 2626.3 | 1718.6 | 1730.7 | 1767.0 |
| 82.5° | 798.8 | 771.5 | 800.3 | 735.2 | 717.1 | 606.6 | 534.0 | 484.1 | 304.1 | 322.2 | 338.9 |
| 85° | 437.2 | 437.2 | 431.2 | 400.9 | 343.4 | 282.9 | 223.9 | 172.5 | 93.8 | 102.9 | 101.4 |
| 87.5° | 307.1 | 299.5 | 298.0 | 266.3 | 228.4 | 193.6 | 154.3 | 110.4 | 52.9 | 36.3 | 33.3 |
| 90° | 210.3 | 207.3 | 196.7 | 177.0 | 152.8 | 125.6 | 93.8 | 54.5 | 22.7 | 10.6 | 7.6 |
| 92.5° | 152.8 | 149.8 | 142.2 | 125.6 | 104.4 | 84.7 | 62.0 | 36.3 | 18.2 | 7.6 | 1.5 |
| 95° | 101.4 | 99.8 | 95.3 | 81.7 | 68.1 | 54.5 | 39.3 | 22.7 | 15.1 | 6.1 | 1.5 |
| 97.5° | 69.6 | 68.1 | 63.5 | 54.5 | 43.9 | 34.8 | 24.2 | 16.6 | 12.1 | 4.5 | 1.5 |
| 100° | 46.9 | 45.4 | 42.4 | 34.8 | 27.2 | 21.2 | 15.1 | 12.1 | 9.1 | 4.5 | 1.5 |
| 102.5° | 30.3 | 28.7 | 25.7 | 21.2 | 15.1 | 12.1 | 10.6 | 9.1 | 6.1 | 3.0 | 1.5 |
| 105° | 18.2 | 16.6 | 13.6 | 10.6 | 9.1 | 7.6 | 7.6 | 6.1 | 4.5 | 1.5 | 1.5 |
| 107.5° | 9.1 | 7.6 | 6.1 | 6.1 | 6.1 | 4.5 | 4.5 | 4.5 | 3.0 | 1.5 | 0.0 |
| 110° | 1.5 | 1.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.5 | 0.0 |



REPORT NUMBER: P579509
 CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

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 |



REPORT NUMBER: P579509

CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 | 3555.1 |
| 2.5° | 3571.8 | 3547.6 | 3561.2 | 3540.0 | 3535.5 | 3512.8 | 3549.1 | 3553.6 | 3550.6 | 3556.6 |
| 5° | 3576.3 | 3550.6 | 3565.7 | 3540.0 | 3540.0 | 3515.8 | 3550.6 | 3550.6 | 3541.5 | 3544.5 |
| 7.5° | 3588.4 | 3562.7 | 3573.3 | 3544.5 | 3546.1 | 3517.3 | 3559.7 | 3555.1 | 3547.6 | 3558.2 |
| 10° | 3623.2 | 3594.5 | 3593.0 | 3565.7 | 3571.8 | 3541.5 | 3594.5 | 3594.5 | 3586.9 | 3606.6 |
| 12.5° | 3679.2 | 3636.8 | 3629.3 | 3596.0 | 3608.1 | 3582.4 | 3647.4 | 3650.4 | 3652.0 | 3683.7 |
| 15° | 3738.2 | 3686.7 | 3694.3 | 3655.0 | 3650.4 | 3636.8 | 3695.8 | 3692.8 | 3691.3 | 3735.2 |
| 17.5° | 3821.4 | 3579.3 | 3540.0 | 3512.8 | 3506.7 | 3473.4 | 3527.9 | 3632.3 | 3577.8 | 3547.6 |
| 20° | 3689.8 | 3562.7 | 3406.9 | 3353.9 | 3343.3 | 3054.4 | 2826.0 | 2928.8 | 3068.0 | 3080.1 |
| 22.5° | 3570.3 | 3524.9 | 3512.8 | 3429.6 | 2968.2 | 2871.3 | 2880.4 | 2842.6 | 2512.8 | 2369.1 |
| 25° | 3718.5 | 3679.2 | 3627.7 | 3119.4 | 3010.5 | 2975.7 | 2965.1 | 2577.9 | 2317.6 | 2334.3 |
| 27.5° | 3883.4 | 3839.5 | 3391.7 | 3127.0 | 3151.2 | 3102.8 | 2863.8 | 2405.4 | 2390.3 | 2419.0 |
| 30° | 4089.2 | 3738.2 | 3310.1 | 3294.9 | 3317.6 | 3255.6 | 2544.6 | 2511.3 | 2506.7 | 2537.0 |
| 32.5° | 4323.6 | 3605.1 | 3527.9 | 3527.9 | 3517.3 | 2847.1 | 2680.7 | 2658.0 | 2670.1 | 2701.9 |
| 35° | 4235.9 | 3813.8 | 3804.7 | 3842.6 | 3588.4 | 2921.3 | 2898.6 | 2859.2 | 2868.3 | 2878.9 |
| 37.5° | 4139.1 | 4157.2 | 4161.8 | 4142.1 | 2617.2 | 3133.1 | 3114.9 | 3107.3 | 3098.3 | 3101.3 |
| 40° | 4499.1 | 4511.2 | 4506.7 | 4326.7 | 2824.4 | 3173.9 | 3360.0 | 3346.4 | 3344.9 | 3363.0 |
| 42.5° | 4919.7 | 4953.0 | 4927.3 | 3816.9 | 3101.3 | 2668.6 | 3642.9 | 3635.3 | 3632.3 | 3670.1 |
| 45° | 5393.2 | 5425.0 | 4884.9 | 4087.6 | 3396.3 | 2762.4 | 3662.5 | 3943.9 | 3966.6 | 3999.9 |
| 47.5° | 5906.1 | 5900.0 | 4508.2 | 4503.7 | 3742.7 | 3022.6 | 3045.3 | 4313.1 | 4350.9 | 4363.0 |
| 50° | 6496.1 | 5526.3 | 4936.3 | 4769.9 | 4134.5 | 3314.6 | 3228.4 | 3957.5 | 4792.6 | 4804.7 |
| 52.5° | 6370.5 | 5467.3 | 5428.0 | 4184.5 | 4485.5 | 3636.8 | 3552.1 | 3529.4 | 4968.1 | 5260.1 |
| 55° | 5937.8 | 5983.2 | 5927.2 | 4591.4 | 3288.9 | 3924.3 | 3871.3 | 3848.6 | 3695.8 | 2925.8 |
| 57.5° | 6418.9 | 6432.5 | 6384.1 | 4965.1 | 3344.9 | 2446.2 | 3810.8 | 3269.2 | 2124.0 | 2113.4 |
| 60° | 6918.1 | 6940.8 | 4754.8 | 3647.4 | 2143.7 | 818.4 | 195.2 | 205.7 | 587.0 | 515.9 |
| 62.5° | 7394.7 | 7417.4 | 5033.2 | 3332.7 | 1354.0 | 60.5 | 39.3 | 27.2 | 30.3 | 30.3 |
| 65° | 8016.4 | 8025.5 | 5387.2 | 3527.9 | 1406.9 | 15.1 | 4.5 | 0.0 | 0.0 | 0.0 |
| 67.5° | 8338.7 | 8152.6 | 5476.4 | 3617.2 | 1444.7 | 9.1 | 3.0 | 0.0 | 0.0 | 0.0 |
| 70° | 7851.6 | 7651.9 | 5098.2 | 3390.2 | 1346.4 | 7.6 | 1.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 6918.1 | 6821.3 | 4576.3 | 3006.0 | 1192.1 | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 |
| 75° | 5733.6 | 5605.0 | 3794.2 | 2505.2 | 986.4 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4078.6 | 4093.7 | 2644.4 | 1826.0 | 671.7 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 1785.1 | 1826.0 | 1158.8 | 838.1 | 237.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 340.4 | 313.2 | 151.3 | 119.5 | 30.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 111.9 | 122.5 | 56.0 | 45.4 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 39.3 | 49.9 | 16.6 | 13.6 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 6.1 | 6.1 | 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 |
| 95° | 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 |
| 100° | 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 |
| 105° | 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 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P579509
 CATALOG NUMBER: CST-CA8-330-740-U-T5-HSS-HM-EX180

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 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 |

(END OF REPORT)