

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: P721857

Luminaire Tested: **CST-CA8-400-740-U-T1**

Issue Date: 10/25/2023

Test Information

Test Method: LM-79-08
Report Number: P721857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-151-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA8-400-740-U-T1
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (8) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63114 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

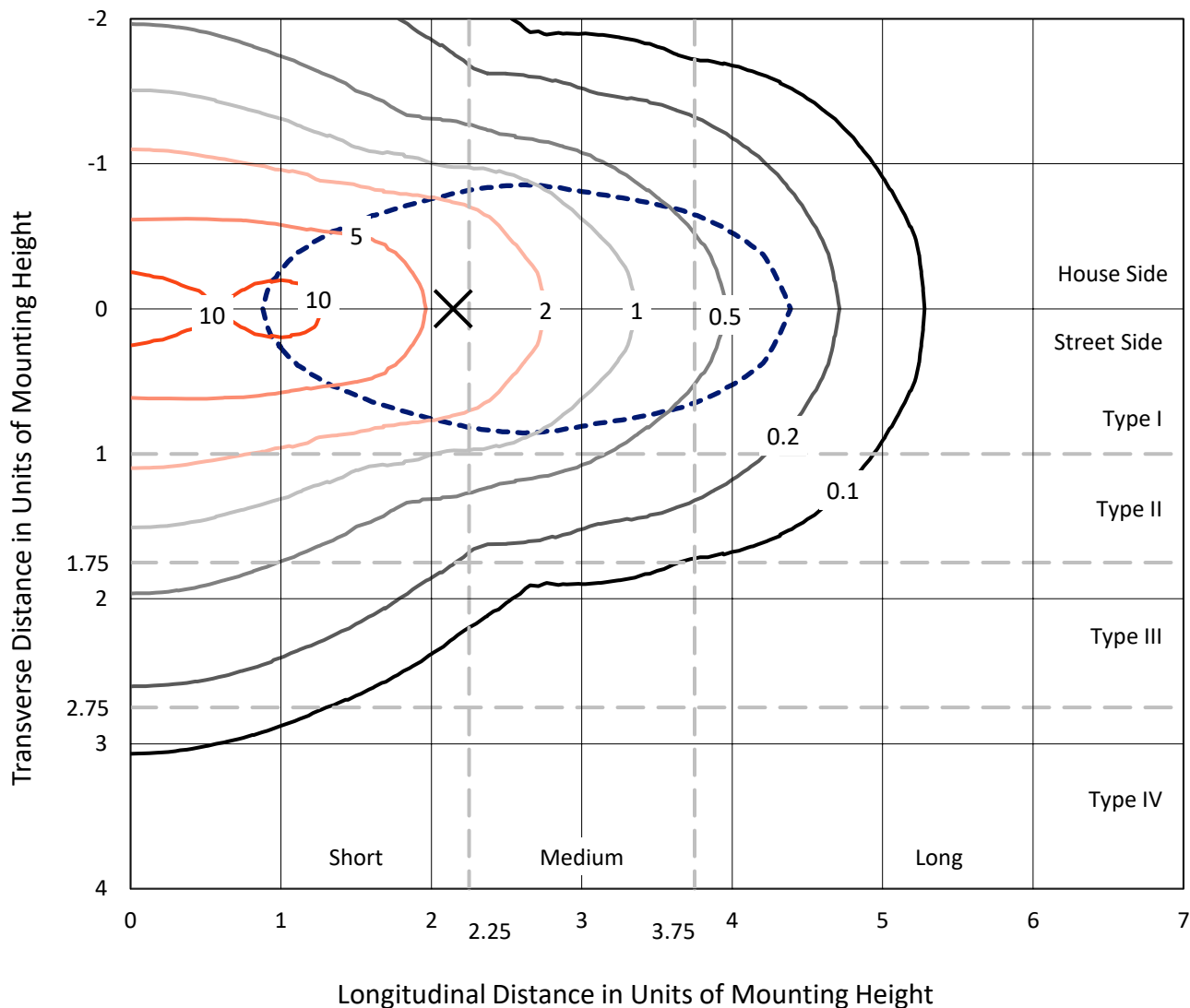
Input Watts (W): 400.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

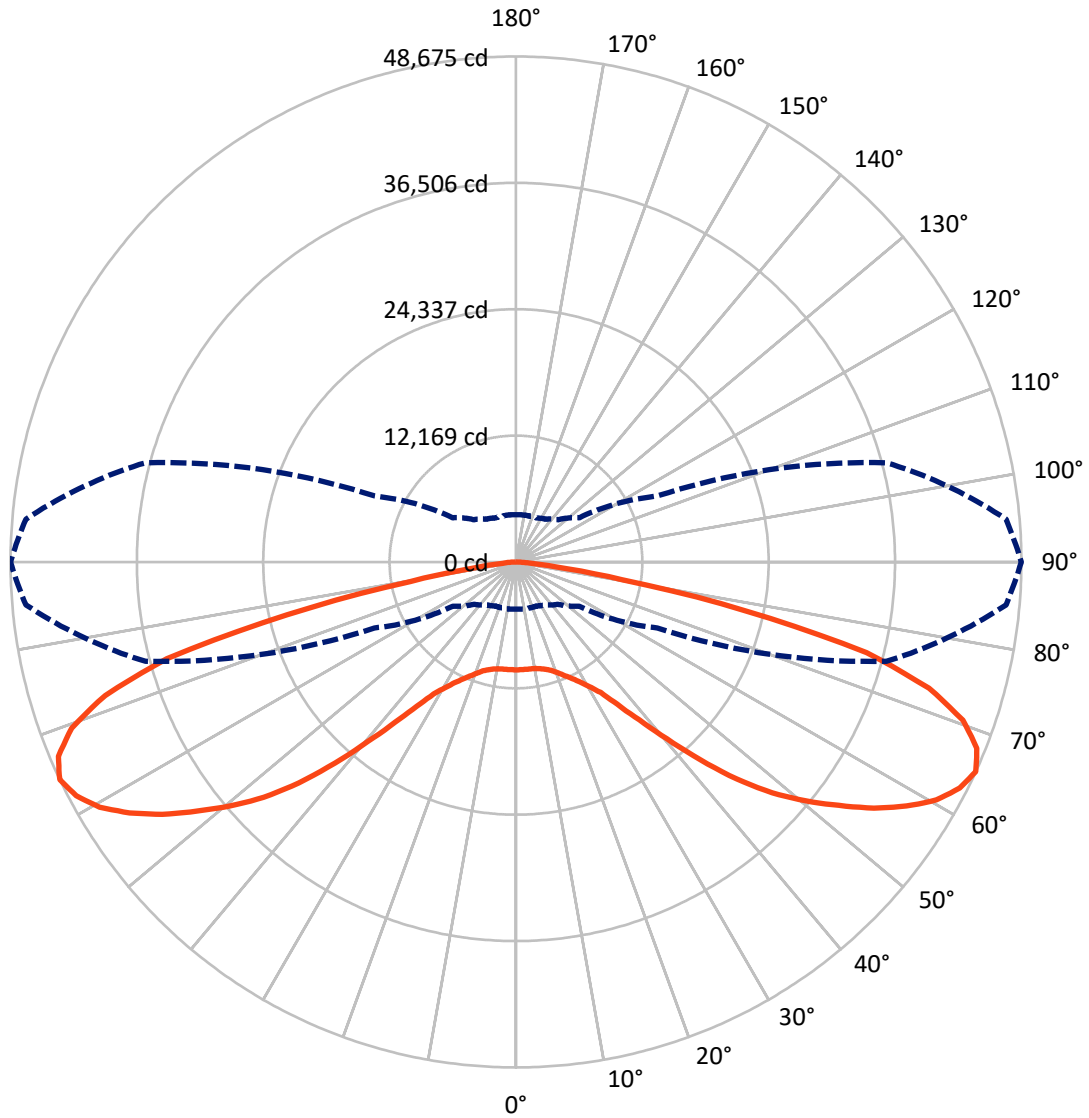
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.7 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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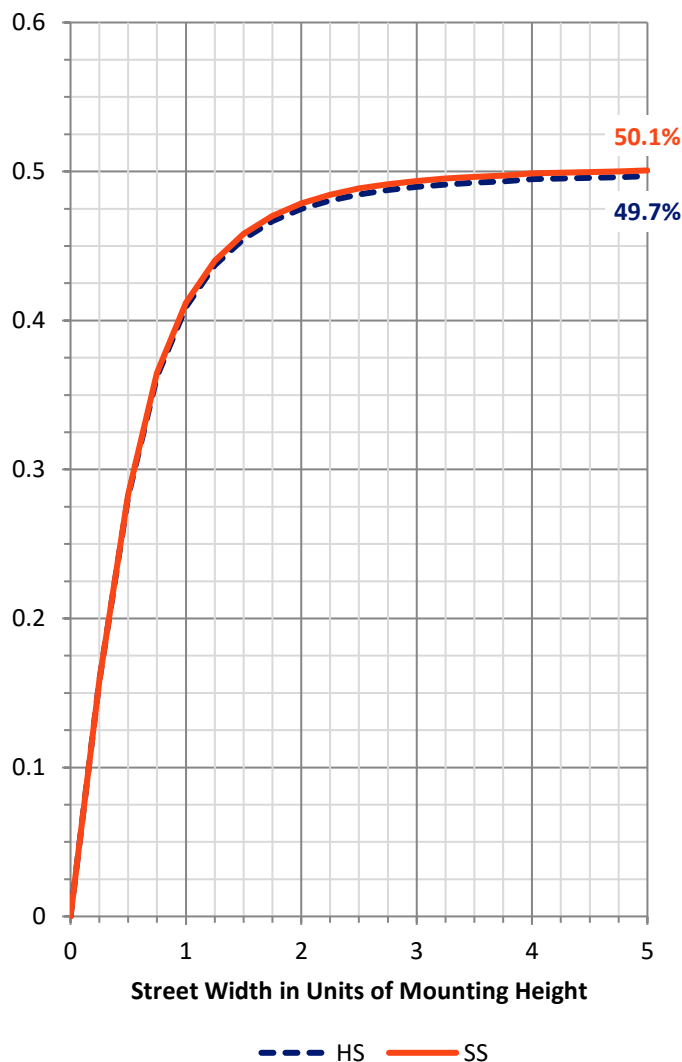
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 31557.0 | 0.0 | 31557.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 31557.0 | 0.0 | 31557.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 63114.0 | 0.0 | 63114.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 986.7 | 1.6 |
| 10°-20° | 2911.8 | 4.6 |
| 20°-30° | 4796.5 | 7.6 |
| 30°-40° | 7027.5 | 11.1 |
| 40°-50° | 10390.9 | 16.5 |
| 50°-60° | 13630.1 | 21.6 |
| 60°-70° | 14220.1 | 22.5 |
| 70°-80° | 8175.8 | 13.0 |
| 80°-90° | 974.6 | 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° | 63114.0 | 100.0 |
| 0°-180° | 63114.0 | 100.0 |

Coefficient of Utilization

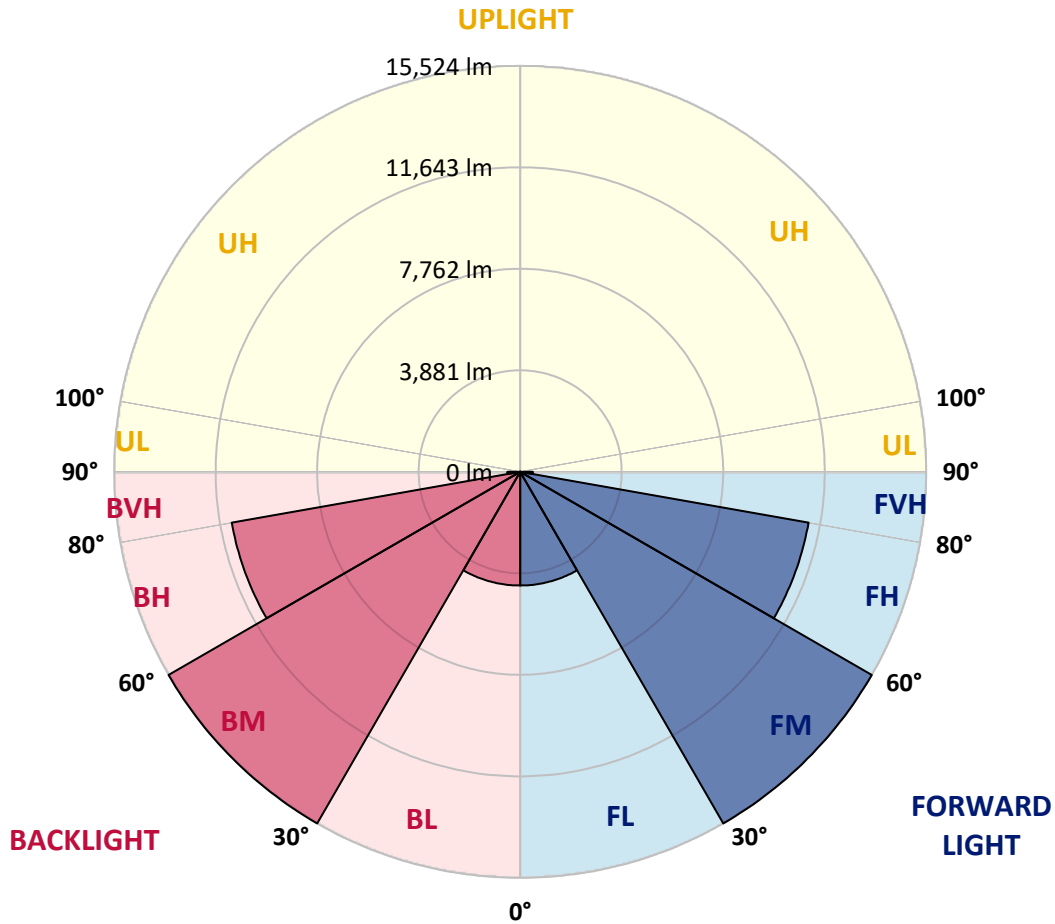


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 4347.5 | 6.9 | | | |
| FM (30°-60°) | 15524.2 | 24.6 | | | |
| FH (60°-80°) | 11197.9 | 17.7 | | | G4/12000 |
| FVH (80°-90°) | 487.3 | 0.8 | | | G3/500 |
| BL (0°-30°) | 4347.5 | 6.9 | B4/5000 | | |
| BM (30°-60°) | 15524.2 | 24.6 | B5 | | |
| BH (60°-80°) | 11197.9 | 17.7 | B5 | | G5 |
| BVH (80°-90°) | 487.3 | 0.8 | | | G3/500 |
| 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





REPORT NUMBER: P721857

CATALOG NUMBER: CST-CA8-400-740-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 |
| 2.5° | 10395.4 | 10388.0 | 10385.5 | 10381.8 | 10388.0 | 10392.9 | 10405.2 | 10416.3 | 10413.9 | 10411.4 | 10413.9 |
| 5° | 10337.4 | 10341.1 | 10342.3 | 10343.6 | 10348.5 | 10352.2 | 10369.5 | 10386.7 | 10384.3 | 10381.8 | 10394.1 |
| 7.5° | 10256.0 | 10256.0 | 10253.5 | 10251.0 | 10260.9 | 10269.6 | 10286.8 | 10304.1 | 10317.7 | 10330.0 | 10349.7 |
| 10° | 10137.6 | 10132.6 | 10131.4 | 10130.2 | 10141.3 | 10151.1 | 10183.2 | 10215.3 | 10242.4 | 10268.3 | 10301.6 |
| 12.5° | 9993.2 | 9992.0 | 9994.5 | 9996.9 | 10020.4 | 10043.8 | 10098.1 | 10152.4 | 10206.6 | 10260.9 | 10309.0 |
| 15° | 9821.8 | 9807.0 | 9819.3 | 9830.4 | 9868.6 | 9905.6 | 10010.5 | 10115.4 | 10198.0 | 10279.4 | 10373.2 |
| 17.5° | 9560.2 | 9545.4 | 9563.9 | 9581.2 | 9657.7 | 9734.2 | 9882.2 | 10029.0 | 10184.4 | 10339.9 | 10474.3 |
| 20° | 9164.3 | 9164.3 | 9211.1 | 9258.0 | 9387.5 | 9517.1 | 9720.6 | 9922.9 | 10132.6 | 10342.3 | 10537.2 |
| 22.5° | 8742.4 | 8730.0 | 8830.0 | 8929.9 | 9085.3 | 9239.5 | 9496.1 | 9752.7 | 10030.2 | 10306.6 | 10574.2 |
| 25° | 8266.2 | 8287.2 | 8413.0 | 8537.6 | 8755.9 | 8973.1 | 9288.9 | 9603.4 | 9952.5 | 10301.6 | 10672.9 |
| 27.5° | 7864.1 | 7867.8 | 8019.5 | 8171.2 | 8445.1 | 8717.7 | 9101.4 | 9485.0 | 9910.6 | 10336.2 | 10803.7 |
| 30° | 7448.4 | 7516.2 | 7676.6 | 7835.7 | 8141.6 | 8447.6 | 8911.4 | 9374.0 | 9878.5 | 10383.0 | 10953.0 |
| 32.5° | 7128.9 | 7144.9 | 7326.2 | 7506.3 | 7825.8 | 8145.3 | 8684.4 | 9223.5 | 9829.2 | 10434.9 | 11128.1 |
| 35° | 6827.9 | 6853.8 | 7022.8 | 7191.8 | 7524.8 | 7856.7 | 8447.6 | 9037.2 | 9761.3 | 10484.2 | 11318.1 |
| 37.5° | 6560.2 | 6592.3 | 6752.6 | 6913.0 | 7233.7 | 7554.4 | 8181.1 | 8807.8 | 9656.5 | 10505.2 | 11526.6 |
| 40° | 6364.0 | 6391.2 | 6526.9 | 6662.6 | 6952.5 | 7241.1 | 7897.4 | 8552.4 | 9509.7 | 10466.9 | 11690.6 |
| 42.5° | 6222.2 | 6234.5 | 6344.3 | 6454.1 | 6713.1 | 6972.2 | 7622.3 | 8271.2 | 9318.5 | 10365.8 | 11817.7 |
| 45° | 6029.7 | 6056.9 | 6165.4 | 6272.8 | 6505.9 | 6737.8 | 7332.4 | 7927.0 | 9034.7 | 10141.3 | 11818.9 |
| 47.5° | 5886.6 | 5903.9 | 6006.3 | 6107.5 | 6324.6 | 6541.7 | 7075.8 | 7610.0 | 8714.0 | 9816.8 | 11685.7 |
| 50° | 5781.8 | 5773.2 | 5868.1 | 5961.9 | 6145.7 | 6328.3 | 6804.4 | 7279.4 | 8316.8 | 9354.2 | 11352.6 |
| 52.5° | 5632.5 | 5642.4 | 5718.9 | 5795.4 | 5954.5 | 6112.4 | 6539.2 | 6964.8 | 7876.4 | 8786.8 | 10812.3 |
| 55° | 5432.7 | 5478.3 | 5542.5 | 5605.4 | 5744.8 | 5884.2 | 6267.8 | 6651.5 | 7436.0 | 8219.3 | 10116.6 |
| 57.5° | 5236.5 | 5269.9 | 5324.1 | 5378.4 | 5488.2 | 5596.8 | 5958.2 | 6319.6 | 6972.2 | 7624.8 | 9238.3 |
| 60° | 5076.2 | 5084.8 | 5119.4 | 5152.7 | 5236.5 | 5320.4 | 5619.0 | 5917.5 | 6487.4 | 7056.1 | 8362.4 |
| 62.5° | 4868.9 | 4871.4 | 4894.8 | 4918.3 | 4970.1 | 5020.7 | 5255.0 | 5488.2 | 5974.2 | 6460.3 | 7491.5 |
| 65° | 4544.5 | 4564.2 | 4586.4 | 4607.4 | 4642.0 | 4675.3 | 4854.1 | 5033.0 | 5396.9 | 5760.8 | 6592.3 |
| 67.5° | 4216.4 | 4199.1 | 4225.0 | 4250.9 | 4255.9 | 4260.8 | 4396.5 | 4532.2 | 4830.7 | 5129.2 | 5797.8 |
| 70° | 3682.2 | 3695.8 | 3693.3 | 3689.6 | 3668.7 | 3646.5 | 3741.4 | 3836.4 | 3994.3 | 4151.0 | 4634.6 |
| 72.5° | 2823.7 | 2805.2 | 2758.3 | 2710.2 | 2688.0 | 2665.8 | 2776.8 | 2886.6 | 3002.5 | 3118.5 | 3467.6 |
| 75° | 1725.8 | 1778.8 | 1876.3 | 1972.5 | 2009.5 | 2046.5 | 2040.3 | 2032.9 | 2023.1 | 2013.2 | 2448.7 |
| 77.5° | 1169.4 | 1197.8 | 1220.0 | 1241.0 | 1295.3 | 1348.3 | 1410.0 | 1471.7 | 1470.4 | 1469.2 | 1743.0 |
| 80° | 743.8 | 721.6 | 731.5 | 741.4 | 772.2 | 803.1 | 896.8 | 989.3 | 1015.2 | 1039.9 | 1228.6 |
| 82.5° | 466.3 | 470.0 | 482.3 | 493.4 | 458.9 | 424.4 | 497.1 | 568.7 | 630.4 | 690.8 | 778.4 |
| 85° | 302.2 | 342.9 | 336.8 | 330.6 | 289.9 | 249.2 | 313.3 | 377.5 | 407.1 | 435.5 | 468.8 |
| 87.5° | 97.5 | 113.5 | 117.2 | 119.7 | 119.7 | 118.4 | 132.0 | 145.6 | 150.5 | 154.2 | 166.5 |
| 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-CA8-400-740-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 |



REPORT NUMBER: P721857

CATALOG NUMBER: CST-CA8-400-740-U-T1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 | 10397.8 |
| 2.5° | 10415.1 | 10402.8 | 10390.4 | 10386.7 | 10383.0 | 10380.6 | 10378.1 | 10375.6 |
| 5° | 10405.2 | 10402.8 | 10400.3 | 10390.4 | 10380.6 | 10379.3 | 10378.1 | 10381.8 |
| 7.5° | 10369.5 | 10369.5 | 10369.5 | 10380.6 | 10391.7 | 10386.7 | 10380.6 | 10388.0 |
| 10° | 10333.7 | 10363.3 | 10392.9 | 10401.5 | 10410.2 | 10416.3 | 10422.5 | 10428.7 |
| 12.5° | 10357.1 | 10407.7 | 10457.1 | 10485.4 | 10513.8 | 10528.6 | 10542.2 | 10545.9 |
| 15° | 10466.9 | 10531.1 | 10595.2 | 10633.5 | 10670.5 | 10695.1 | 10719.8 | 10726.0 |
| 17.5° | 10608.8 | 10707.5 | 10804.9 | 10860.4 | 10915.9 | 10944.3 | 10971.5 | 10962.8 |
| 20° | 10730.9 | 10866.6 | 11002.3 | 11120.7 | 11239.1 | 11304.5 | 11368.7 | 11376.1 |
| 22.5° | 10840.7 | 11068.9 | 11297.1 | 11450.1 | 11601.8 | 11717.8 | 11833.7 | 11846.1 |
| 25° | 11043.0 | 11341.5 | 11640.1 | 11884.3 | 12128.6 | 12234.6 | 12339.5 | 12401.2 |
| 27.5° | 11270.0 | 11669.7 | 12069.3 | 12396.2 | 12723.1 | 12884.7 | 13045.1 | 13053.7 |
| 30° | 11521.6 | 12028.6 | 12534.4 | 12973.6 | 13411.5 | 13608.9 | 13805.0 | 13908.6 |
| 32.5° | 11820.2 | 12464.1 | 13106.8 | 13684.1 | 14261.4 | 14561.2 | 14860.9 | 14965.8 |
| 35° | 12150.8 | 12985.9 | 13819.8 | 14615.5 | 15409.9 | 15983.5 | 16557.1 | 16833.4 |
| 37.5° | 12548.0 | 13611.3 | 14674.7 | 15870.0 | 17065.3 | 18043.6 | 19020.6 | 19299.4 |
| 40° | 12914.3 | 14282.4 | 15649.2 | 17309.6 | 18970.0 | 20521.8 | 22072.4 | 22374.7 |
| 42.5° | 13269.6 | 14925.1 | 16580.5 | 18845.4 | 21110.3 | 23187.6 | 25264.9 | 26050.7 |
| 45° | 13495.4 | 15497.5 | 17498.3 | 20484.8 | 23471.3 | 26323.4 | 29174.2 | 29834.1 |
| 47.5° | 13553.3 | 15905.8 | 18258.2 | 21957.7 | 25657.2 | 29013.8 | 32369.1 | 33216.6 |
| 50° | 13351.0 | 16118.0 | 18884.9 | 23767.4 | 28648.7 | 32066.9 | 35483.9 | 36179.7 |
| 52.5° | 12837.9 | 16050.1 | 19262.3 | 25170.0 | 31077.6 | 34695.7 | 38313.8 | 38945.3 |
| 55° | 12013.8 | 15638.1 | 19262.3 | 26324.6 | 33385.6 | 37138.2 | 40889.5 | 41849.2 |
| 57.5° | 10851.8 | 14851.1 | 18850.3 | 27095.6 | 35340.8 | 39416.6 | 43492.3 | 44354.6 |
| 60° | 9668.8 | 13914.8 | 18159.5 | 27521.2 | 36882.8 | 41200.3 | 45517.9 | 46524.5 |
| 62.5° | 8521.6 | 12643.0 | 16763.1 | 27074.6 | 37386.1 | 41944.2 | 46501.0 | 47949.2 |
| 65° | 7423.7 | 11230.5 | 15037.3 | 25985.4 | 36932.1 | 42155.1 | 47376.9 | 48674.6 |
| 67.5° | 6466.4 | 10050.0 | 13633.5 | 24159.7 | 34685.8 | 40466.4 | 46245.7 | 47862.9 |
| 70° | 5118.1 | 8415.5 | 11712.8 | 20922.7 | 30132.7 | 36902.5 | 43672.4 | 45668.4 |
| 72.5° | 3816.7 | 6613.2 | 9408.5 | 16458.4 | 23508.3 | 31293.5 | 39077.3 | 41588.9 |
| 75° | 2882.9 | 5282.2 | 7681.5 | 13009.3 | 18337.2 | 24928.2 | 31519.2 | 34880.7 |
| 77.5° | 2016.9 | 3816.7 | 5615.3 | 9589.8 | 13564.4 | 17213.4 | 20862.3 | 22653.5 |
| 80° | 1416.1 | 2414.1 | 3410.8 | 5322.9 | 7233.7 | 8852.2 | 10469.4 | 10341.1 |
| 82.5° | 864.7 | 1284.2 | 1702.3 | 2309.3 | 2916.2 | 3307.2 | 3698.3 | 3681.0 |
| 85° | 502.1 | 610.6 | 717.9 | 889.4 | 1060.9 | 1254.6 | 1448.2 | 1287.9 |
| 87.5° | 177.6 | 177.6 | 177.6 | 203.5 | 229.4 | 315.8 | 402.1 | 424.4 |
| 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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 CATALOG NUMBER: CST-CA8-400-740-U-T1

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)