

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: P579543

Luminaire Tested: **CST-CA10-760-750-U-T5N-HSS-HM-EX90**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/18/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA10-760-750-U-T5N-HSS-HM-EX90
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD
Light Source: (10) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 89445 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U2 - G5

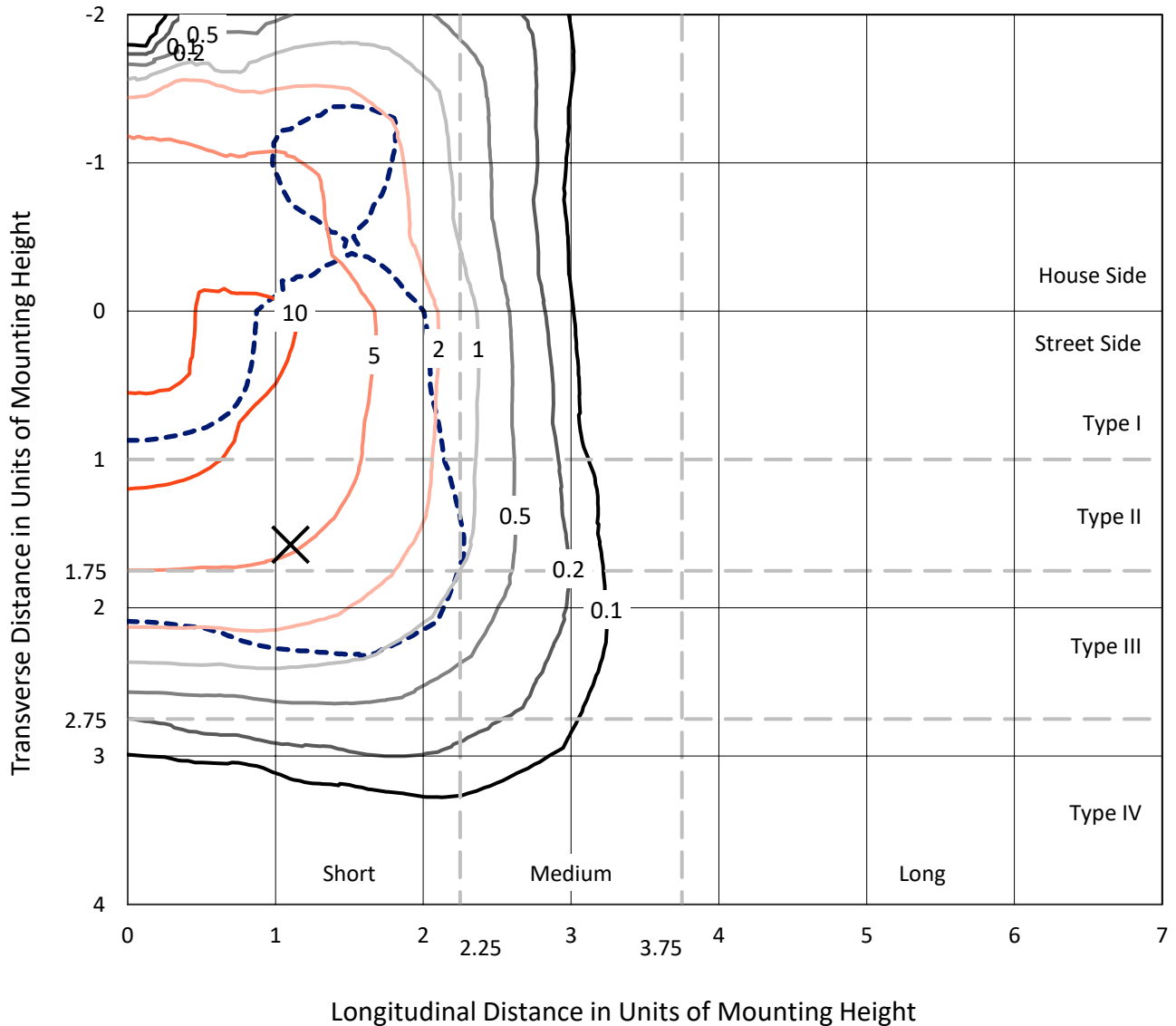
Input Watts (W): 761.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

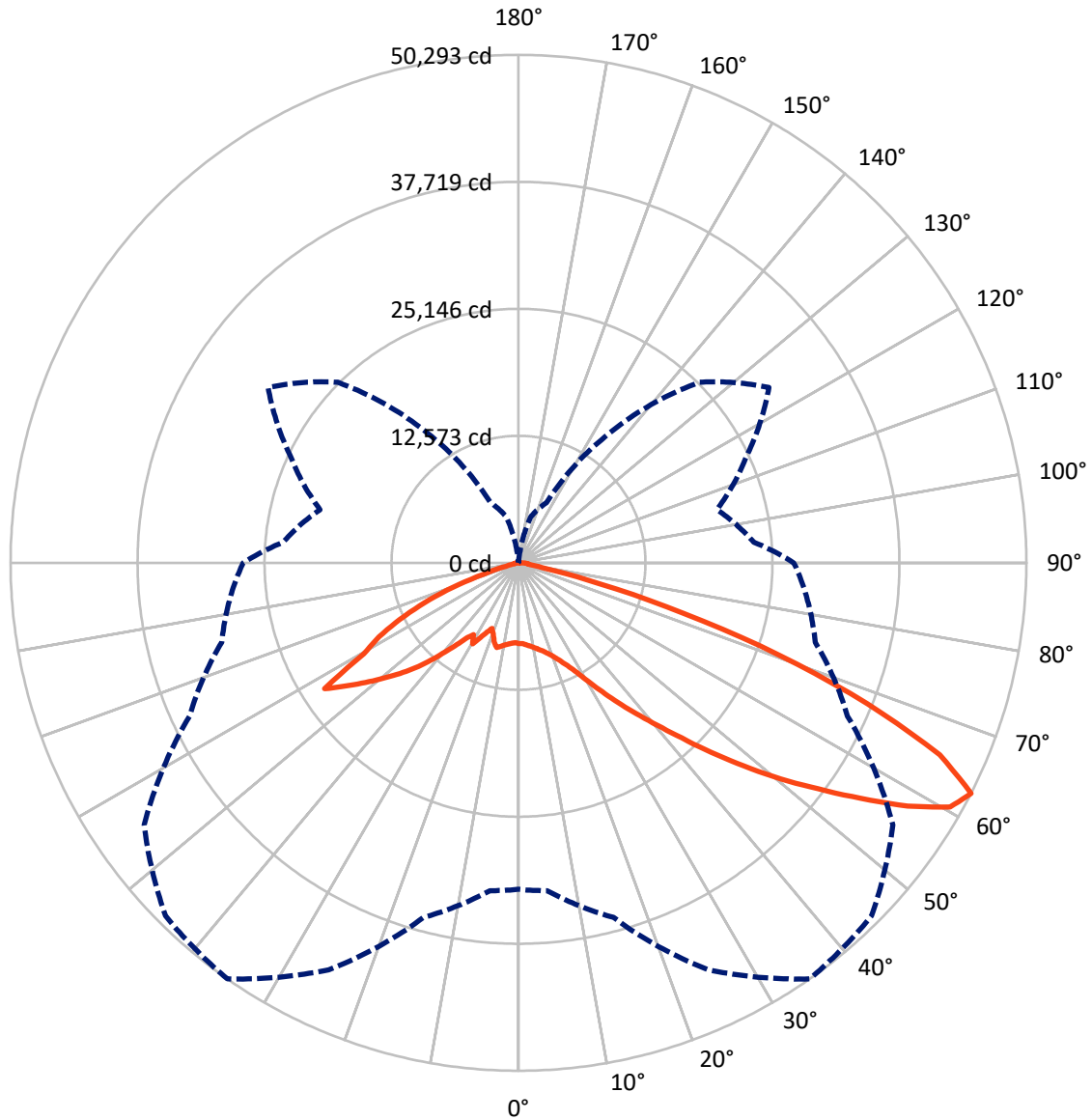
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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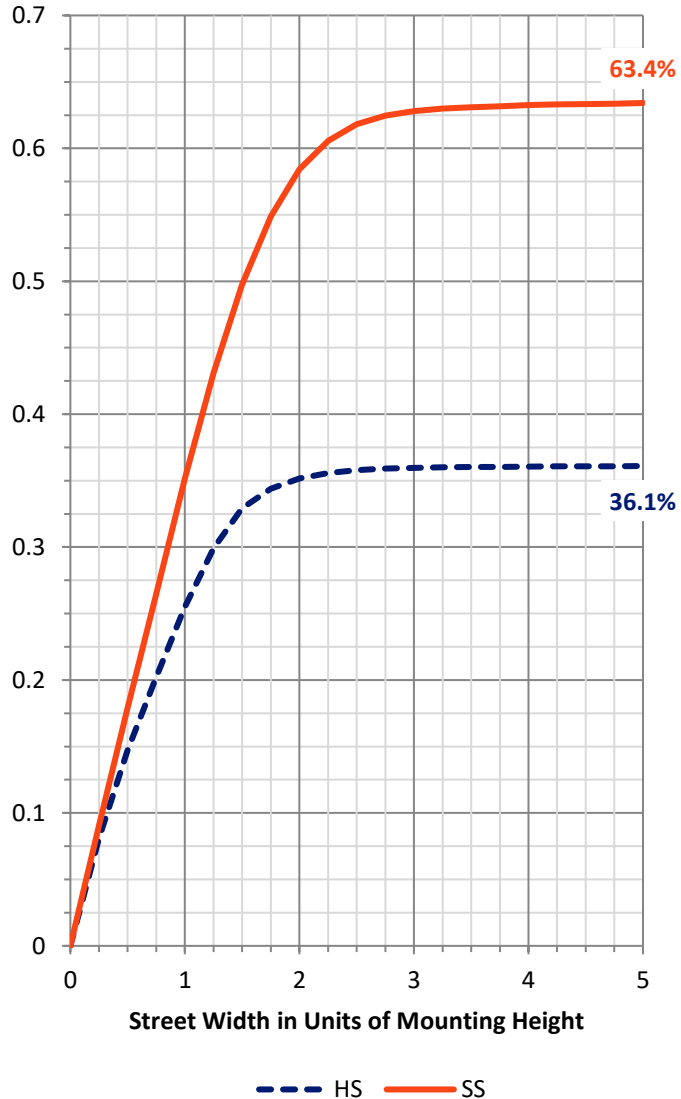
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 32466.4 | 0.1 | 32466.5 |
| | % Fixture | 36.3 | 0.0 | 36.3 |
| Street Side | Lumens | 56936.2 | 42.4 | 56978.5 |
| | % Fixture | 63.7 | 0.0 | 63.7 |
| Total | Lumens | 89402.6 | 42.5 | 89445.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 786.8 | 0.9 |
| 10°-20° | 2543.0 | 2.8 |
| 20°-30° | 4892.3 | 5.5 |
| 30°-40° | 9759.7 | 10.9 |
| 40°-50° | 17820.6 | 19.9 |
| 50°-60° | 26630.2 | 29.8 |
| 60°-70° | 22313.6 | 24.9 |
| 70°-80° | 4175.8 | 4.7 |
| 80°-90° | 480.7 | 0.5 |
| 90°-100° | 38.2 | 0.0 |
| 100°-110° | 4.1 | 0.0 |
| 110°-120° | 0.1 | 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° | 89402.6 | 100.0 |
| 0°-180° | 89445.0 | 100.0 |

Coefficient of Utilization

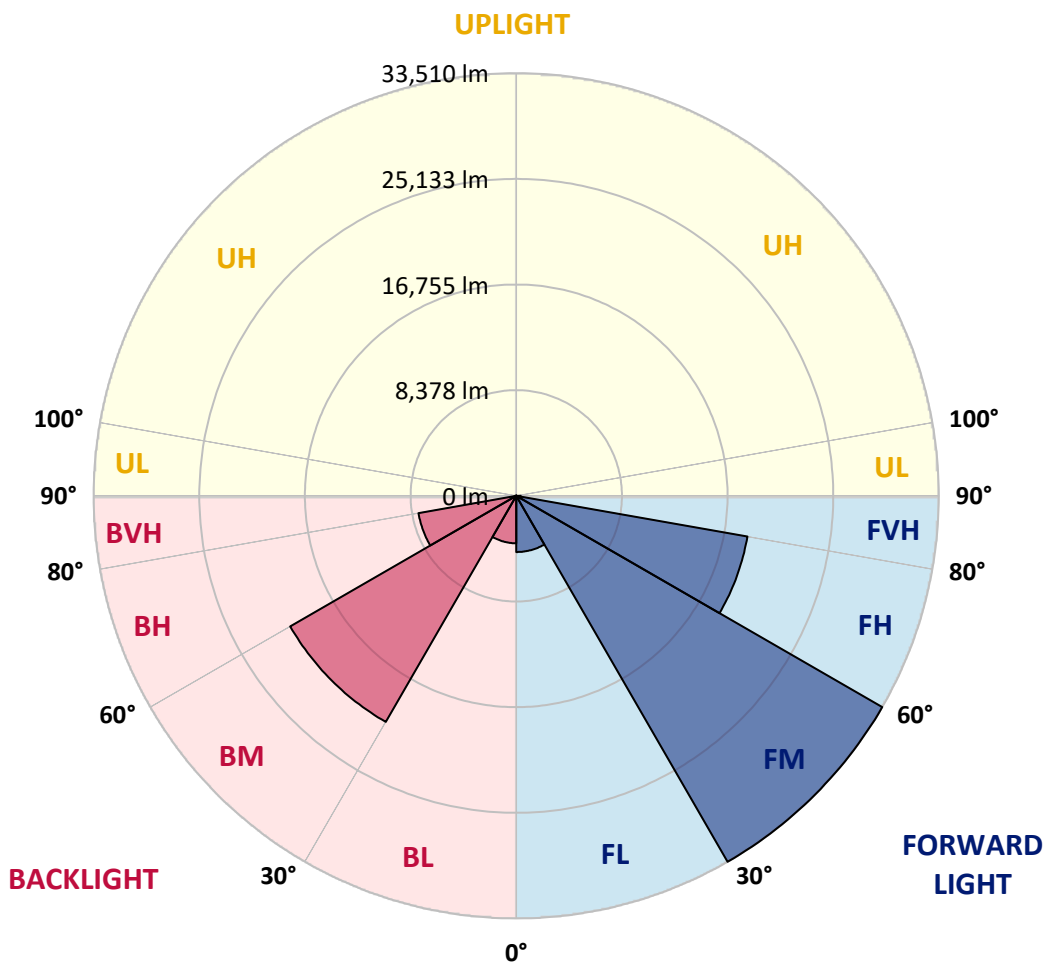


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|-------|--------|
| | | | B | U | G |
| FL (0°-30°) | 4459.9 | 5.0 | | | |
| FM (30°-60°) | 33510.2 | 37.5 | | | |
| FH (60°-80°) | 18616.0 | 20.8 | | | G5 |
| FVH (80°-90°) | 350.0 | 0.4 | | | G3/500 |
| BL (0°-30°) | 3762.2 | 4.2 | B4/5000 | | |
| BM (30°-60°) | 20700.2 | 23.1 | B5 | | |
| BH (60°-80°) | 7873.3 | 8.8 | B5 | | G5 |
| BVH (80°-90°) | 130.6 | 0.1 | | | G2/225 |
| UL (90°-100°) | 38.2 | 0.0 | | U2/50 | |
| UH (100°-180°) | 4.2 | 0.0 | | U1/10 | |

BUG Rating: B5-U2-G5
 Type III Short





REPORT NUMBER: P579543

CATALOG NUMBER: CST-CA10-760-750-U-T5N-HSS-HM-EX90

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 |
| 2.5° | 8174.2 | 8107.2 | 8117.2 | 8164.2 | 8016.6 | 8077.0 | 8013.3 | 8073.6 | 8053.5 | 8080.3 | 8100.5 |
| 5° | 8291.6 | 8207.8 | 8214.5 | 8268.1 | 8154.1 | 8204.4 | 8140.7 | 8180.9 | 8147.4 | 8184.3 | 8187.6 |
| 7.5° | 8452.5 | 8382.1 | 8372.0 | 8425.7 | 8328.5 | 8372.0 | 8308.3 | 8328.5 | 8294.9 | 8338.5 | 8325.1 |
| 10° | 8667.1 | 8603.4 | 8586.6 | 8623.5 | 8546.4 | 8569.9 | 8502.8 | 8529.6 | 8479.3 | 8529.6 | 8506.2 |
| 12.5° | 8905.1 | 8821.3 | 8824.7 | 8864.9 | 8787.8 | 8804.6 | 8750.9 | 8781.1 | 8720.7 | 8774.4 | 8757.6 |
| 15° | 9186.8 | 9066.1 | 9089.5 | 9133.1 | 9059.4 | 9109.7 | 9046.0 | 9089.5 | 9032.5 | 9089.5 | 9069.4 |
| 17.5° | 9552.2 | 9414.8 | 9431.5 | 9501.9 | 9441.6 | 9522.1 | 9448.3 | 9501.9 | 9475.1 | 9512.0 | 9505.3 |
| 20° | 10014.9 | 9924.4 | 9907.6 | 9994.8 | 9907.6 | 10008.2 | 9968.0 | 10061.9 | 10068.6 | 10105.5 | 10122.2 |
| 22.5° | 10631.9 | 10571.5 | 10531.3 | 10591.6 | 10514.5 | 10584.9 | 10641.9 | 10802.8 | 10863.2 | 10960.4 | 10967.1 |
| 25° | 11453.3 | 11449.9 | 11359.4 | 11362.8 | 11265.5 | 11359.4 | 11520.4 | 11771.8 | 11932.8 | 12056.8 | 12009.9 |
| 27.5° | 12563.1 | 12583.2 | 12445.7 | 12392.1 | 12278.1 | 12418.9 | 12750.8 | 13062.7 | 13354.4 | 13528.7 | 13528.7 |
| 30° | 14011.5 | 14031.6 | 13830.5 | 13723.2 | 13619.2 | 13864.0 | 14259.6 | 14665.3 | 15081.1 | 15332.5 | 15275.5 |
| 32.5° | 15929.3 | 15865.6 | 15577.3 | 15382.8 | 15205.1 | 15486.8 | 15942.8 | 16402.1 | 16968.7 | 17330.8 | 17287.2 |
| 35° | 18256.2 | 18024.9 | 17736.5 | 17374.4 | 16992.2 | 17213.5 | 17642.6 | 18219.3 | 19007.2 | 19550.4 | 19412.9 |
| 37.5° | 20958.6 | 20730.6 | 20237.7 | 19614.1 | 18946.9 | 18973.7 | 19312.4 | 20311.5 | 21297.2 | 21739.8 | 21645.9 |
| 40° | 23764.9 | 23587.2 | 23134.6 | 22333.3 | 21126.2 | 20848.0 | 21404.5 | 22608.2 | 23550.3 | 24106.9 | 23949.3 |
| 42.5° | 26624.9 | 26443.8 | 26101.9 | 25297.2 | 23697.9 | 23027.3 | 23607.3 | 24918.3 | 25924.2 | 26470.7 | 26289.6 |
| 45° | 29478.2 | 29270.3 | 28998.7 | 28287.9 | 26762.4 | 25780.0 | 26105.2 | 27308.9 | 28227.6 | 28847.8 | 28475.7 |
| 47.5° | 31986.1 | 31848.6 | 31664.2 | 31375.9 | 30041.4 | 28955.1 | 28931.6 | 29726.3 | 30360.0 | 30769.0 | 30313.0 |
| 50° | 34168.8 | 34071.6 | 34175.5 | 34115.1 | 33629.0 | 32639.9 | 32033.0 | 31979.4 | 32183.9 | 32482.3 | 31831.9 |
| 52.5° | 36126.8 | 35955.8 | 36341.4 | 36820.9 | 37179.6 | 36978.5 | 35013.7 | 33910.6 | 33686.0 | 33786.6 | 33048.9 |
| 55° | 37729.5 | 37649.0 | 38296.1 | 39499.8 | 41159.5 | 41602.0 | 38074.8 | 35788.2 | 34960.1 | 34906.4 | 34068.2 |
| 57.5° | 38708.5 | 38822.5 | 40116.7 | 42410.1 | 45454.4 | 45595.3 | 41833.4 | 37796.6 | 36200.6 | 35623.9 | 34658.3 |
| 60° | 37149.5 | 37588.7 | 39798.2 | 44529.1 | 49099.0 | 49186.2 | 44592.8 | 38165.4 | 34651.6 | 33360.8 | 32163.8 |
| 62.5° | 32328.1 | 32589.6 | 36348.1 | 44458.6 | 50292.6 | 49441.0 | 45249.9 | 35939.1 | 30423.7 | 28365.0 | 27258.6 |
| 65° | 22772.5 | 23262.0 | 27288.8 | 39999.4 | 45830.0 | 45937.3 | 41511.5 | 31074.1 | 24294.7 | 22018.1 | 21303.9 |
| 67.5° | 13753.3 | 14222.7 | 18511.0 | 28874.7 | 37256.7 | 38460.4 | 34628.1 | 23526.9 | 17421.4 | 14544.6 | 13823.8 |
| 70° | 4466.0 | 4975.6 | 8435.7 | 17019.0 | 27406.1 | 30292.9 | 26058.3 | 15312.4 | 9123.1 | 6390.5 | 5616.0 |
| 72.5° | 1696.5 | 1850.8 | 2746.0 | 7433.2 | 17069.3 | 20224.3 | 16117.1 | 7681.4 | 2826.4 | 1683.1 | 1478.6 |
| 75° | 1103.1 | 1126.6 | 1284.1 | 2605.2 | 8231.2 | 11134.8 | 7768.5 | 2249.8 | 1133.3 | 1005.9 | 932.1 |
| 77.5° | 948.9 | 965.6 | 1032.7 | 1297.5 | 2621.9 | 4258.1 | 2229.6 | 1150.0 | 945.5 | 838.2 | 787.9 |
| 80° | 895.2 | 901.9 | 945.5 | 1099.7 | 1227.1 | 1421.6 | 1072.9 | 962.3 | 824.8 | 787.9 | 751.0 |
| 82.5° | 848.3 | 871.7 | 895.2 | 999.1 | 995.8 | 1022.6 | 861.7 | 754.4 | 700.7 | 737.6 | 724.2 |
| 85° | 791.3 | 804.7 | 821.4 | 891.9 | 811.4 | 687.3 | 663.9 | 519.7 | 506.3 | 539.8 | 506.3 |
| 87.5° | 556.6 | 590.1 | 570.0 | 600.2 | 563.3 | 439.2 | 372.2 | 295.0 | 234.7 | 194.5 | 187.8 |
| 90° | 228.0 | 231.3 | 217.9 | 201.2 | 177.7 | 147.5 | 117.3 | 73.8 | 33.5 | 16.8 | 6.7 |
| 92.5° | 177.7 | 177.7 | 171.0 | 154.2 | 134.1 | 110.6 | 83.8 | 46.9 | 23.5 | 10.1 | 3.4 |
| 95° | 110.6 | 114.0 | 107.3 | 97.2 | 83.8 | 67.1 | 50.3 | 26.8 | 16.8 | 6.7 | 3.4 |
| 97.5° | 70.4 | 70.4 | 63.7 | 57.0 | 46.9 | 33.5 | 23.5 | 20.1 | 13.4 | 6.7 | 0.0 |
| 100° | 40.2 | 40.2 | 36.9 | 30.2 | 23.5 | 16.8 | 16.8 | 13.4 | 10.1 | 3.4 | 0.0 |
| 102.5° | 23.5 | 23.5 | 16.8 | 13.4 | 10.1 | 10.1 | 10.1 | 10.1 | 6.7 | 3.4 | 0.0 |
| 105° | 10.1 | 10.1 | 6.7 | 6.7 | 3.4 | 3.4 | 6.7 | 6.7 | 6.7 | 3.4 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 6.7 | 6.7 | 3.4 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 6.7 | 3.4 | 3.4 |



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 CATALOG NUMBER: CST-CA10-760-750-U-T5N-HSS-HM-EX90

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-CA10-760-750-U-T5N-HSS-HM-EX90

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 | 8003.2 |
| 2.5° | 8087.0 | 8026.7 | 8036.8 | 7979.8 | 7969.7 | 7912.7 | 8026.7 | 8040.1 | 8006.6 | 8036.8 |
| 5° | 8180.9 | 8107.2 | 8130.6 | 8066.9 | 8056.9 | 7979.8 | 8080.3 | 8073.6 | 8046.8 | 8077.0 |
| 7.5° | 8321.7 | 8244.6 | 8258.0 | 8187.6 | 8174.2 | 8090.4 | 8184.3 | 8154.1 | 8127.3 | 8164.2 |
| 10° | 8519.6 | 8432.4 | 8439.1 | 8348.6 | 8358.6 | 8248.0 | 8362.0 | 8308.3 | 8274.8 | 8325.1 |
| 12.5° | 8757.6 | 8660.4 | 8663.7 | 8569.9 | 8566.5 | 8459.2 | 8559.8 | 8529.6 | 8479.3 | 8556.4 |
| 15° | 9066.1 | 8955.4 | 8945.4 | 8821.3 | 8787.8 | 8667.1 | 8761.0 | 8704.0 | 8670.4 | 8781.1 |
| 17.5° | 9498.6 | 9374.5 | 9337.7 | 9186.8 | 8559.8 | 8197.7 | 8700.6 | 8871.6 | 8663.7 | 8630.2 |
| 20° | 10075.3 | 9971.3 | 9887.5 | 9659.5 | 8606.7 | 7476.8 | 6642.0 | 6648.7 | 7527.1 | 7932.8 |
| 22.5° | 10856.5 | 10732.4 | 10574.9 | 10249.6 | 7895.9 | 7004.1 | 7007.4 | 6997.4 | 6004.9 | 5585.8 |
| 25° | 11926.0 | 11775.2 | 11453.3 | 9615.9 | 8382.1 | 7557.3 | 7537.2 | 6554.8 | 6008.3 | 6038.5 |
| 27.5° | 13371.1 | 13062.7 | 11178.4 | 10417.3 | 9247.1 | 8274.8 | 7792.0 | 6598.4 | 6665.4 | 6712.4 |
| 30° | 15208.5 | 13967.9 | 12080.3 | 11627.6 | 10286.5 | 9227.0 | 7205.3 | 7369.5 | 7503.7 | 7533.8 |
| 32.5° | 17092.8 | 14008.2 | 13522.0 | 13042.5 | 11567.3 | 8395.5 | 8120.6 | 8432.4 | 8573.2 | 8590.0 |
| 35° | 17076.0 | 15724.8 | 15097.8 | 14558.0 | 12754.2 | 8982.3 | 9156.6 | 9636.1 | 9994.8 | 9978.0 |
| 37.5° | 18071.8 | 17619.2 | 16871.5 | 16187.5 | 11480.1 | 10118.9 | 10430.7 | 10973.8 | 11409.7 | 11396.3 |
| 40° | 20153.9 | 19630.9 | 18839.6 | 17404.6 | 12710.6 | 11419.8 | 11855.6 | 12439.0 | 12747.5 | 12764.3 |
| 42.5° | 22122.0 | 21689.5 | 20881.5 | 16261.3 | 14249.6 | 12985.5 | 13381.2 | 13773.5 | 13964.6 | 14024.9 |
| 45° | 24080.1 | 23771.6 | 21082.7 | 17971.2 | 16110.4 | 14561.4 | 14822.9 | 14896.7 | 15097.8 | 15074.4 |
| 47.5° | 25669.3 | 25327.3 | 20271.3 | 20117.0 | 18366.9 | 16056.7 | 16036.6 | 15939.4 | 16013.2 | 16029.9 |
| 50° | 27121.1 | 23000.5 | 21900.7 | 22413.7 | 20734.0 | 17582.3 | 17200.1 | 17002.2 | 16901.7 | 16858.1 |
| 52.5° | 28267.8 | 23007.2 | 23422.9 | 24787.5 | 23406.2 | 19238.6 | 18417.1 | 17860.6 | 15637.6 | 17377.8 |
| 55° | 29243.5 | 23956.0 | 24864.7 | 27325.6 | 25709.6 | 20972.0 | 19516.9 | 18524.4 | 10437.4 | 8368.7 |
| 57.5° | 29803.4 | 24676.9 | 26293.0 | 29702.8 | 27721.3 | 22899.9 | 17967.9 | 15537.1 | 5901.0 | 5894.3 |
| 60° | 27640.8 | 23382.7 | 26252.7 | 30950.1 | 27141.2 | 17763.3 | 7315.9 | 6122.3 | 1116.5 | 1146.7 |
| 62.5° | 23399.5 | 20341.7 | 24898.2 | 30266.1 | 25277.1 | 15627.6 | 6561.5 | 4714.1 | 36.9 | 30.2 |
| 65° | 18128.8 | 16227.7 | 20965.3 | 26621.5 | 22997.1 | 13039.2 | 4891.8 | 3396.4 | 10.1 | 0.0 |
| 67.5° | 11859.0 | 11436.5 | 15470.0 | 22075.1 | 18755.8 | 10102.1 | 3282.4 | 1626.1 | 6.7 | 0.0 |
| 70° | 5056.1 | 5857.4 | 9800.3 | 16006.5 | 14356.9 | 6950.4 | 1582.5 | 586.7 | 3.4 | 0.0 |
| 72.5° | 1414.9 | 1874.2 | 4362.0 | 9377.9 | 9029.2 | 3654.6 | 616.9 | 248.1 | 3.4 | 0.0 |
| 75° | 838.2 | 720.9 | 1250.6 | 3741.8 | 4395.6 | 1284.1 | 285.0 | 191.1 | 3.4 | 0.0 |
| 77.5° | 697.4 | 563.3 | 717.5 | 955.6 | 1331.1 | 462.7 | 241.4 | 171.0 | 0.0 | 0.0 |
| 80° | 653.8 | 499.6 | 620.3 | 667.2 | 657.2 | 385.6 | 238.1 | 171.0 | 0.0 | 0.0 |
| 82.5° | 620.3 | 435.9 | 513.0 | 513.0 | 549.9 | 355.4 | 224.6 | 167.6 | 0.0 | 0.0 |
| 85° | 466.0 | 305.1 | 342.0 | 442.6 | 395.6 | 251.5 | 164.3 | 134.1 | 0.0 | 0.0 |
| 87.5° | 177.7 | 110.6 | 134.1 | 140.8 | 114.0 | 57.0 | 13.4 | 13.4 | 0.0 | 0.0 |
| 90° | 3.4 | 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 |
| 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 |



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| | 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)