

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: P579532

Luminaire Tested: **CST-CA10-630-750-U-T5-HSS-HM-EX120**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579532
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-CA10-630-750-U-T5-HSS-HM-EX120
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: 69077 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U3 - G5

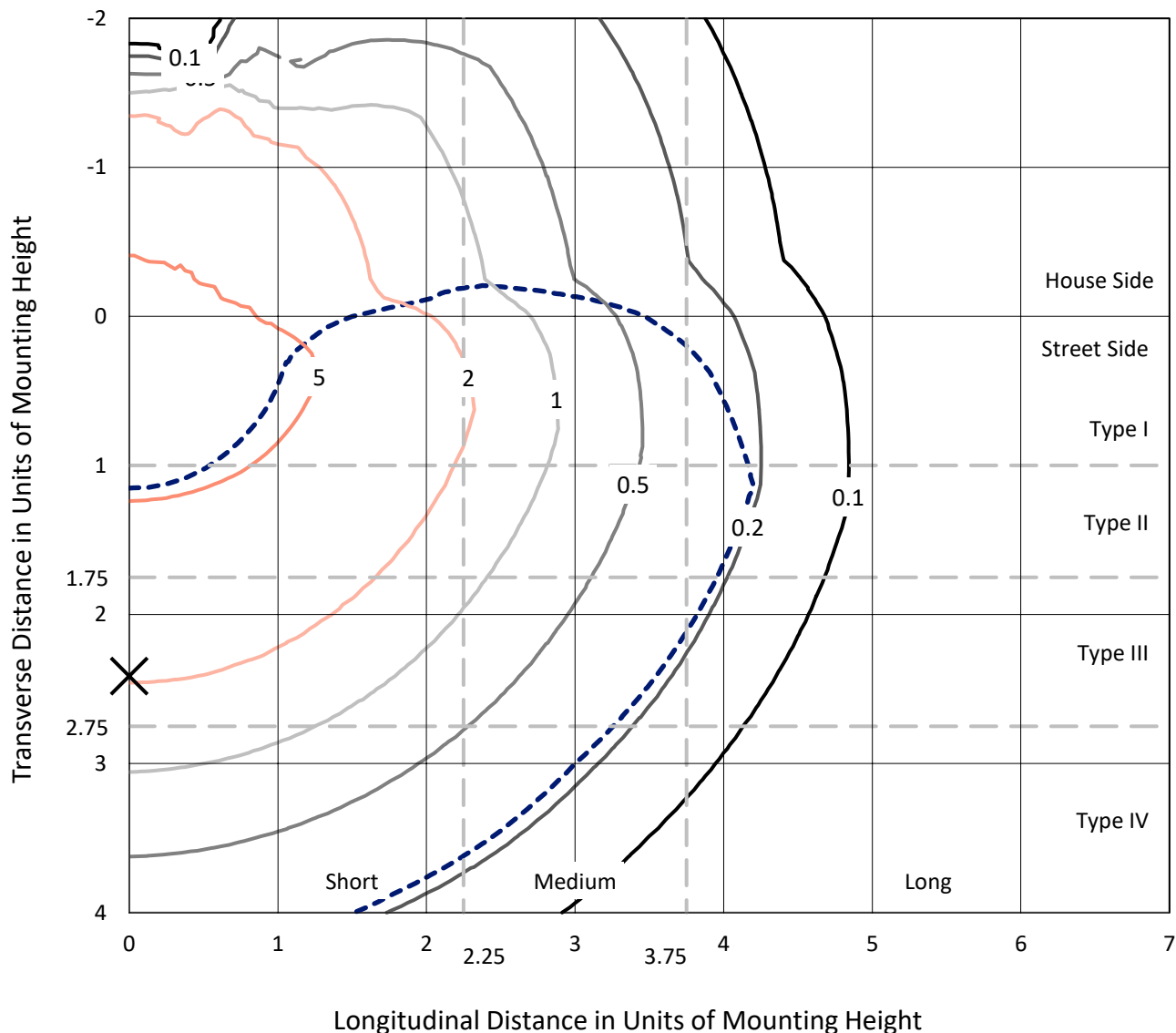
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

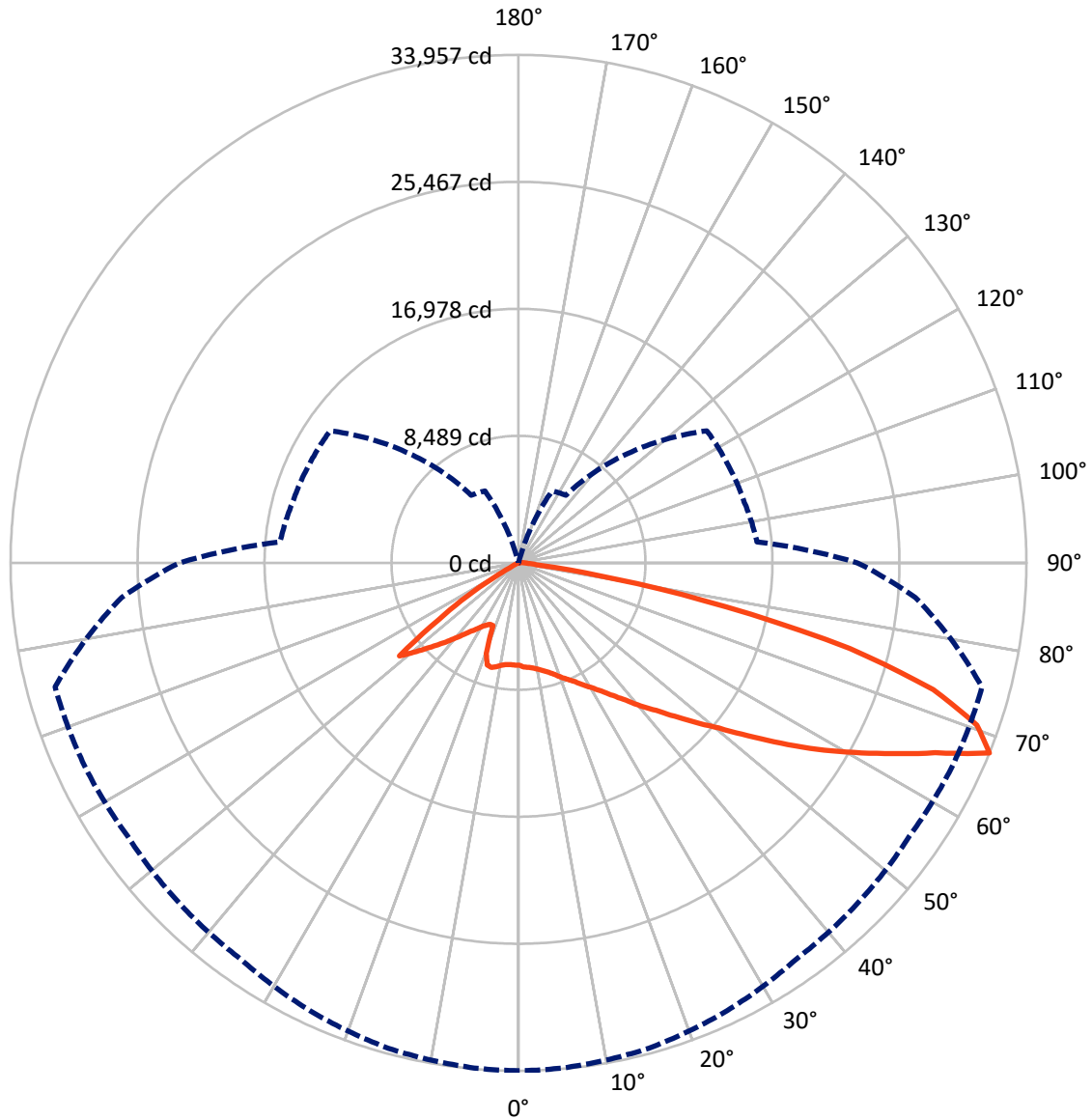
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.7 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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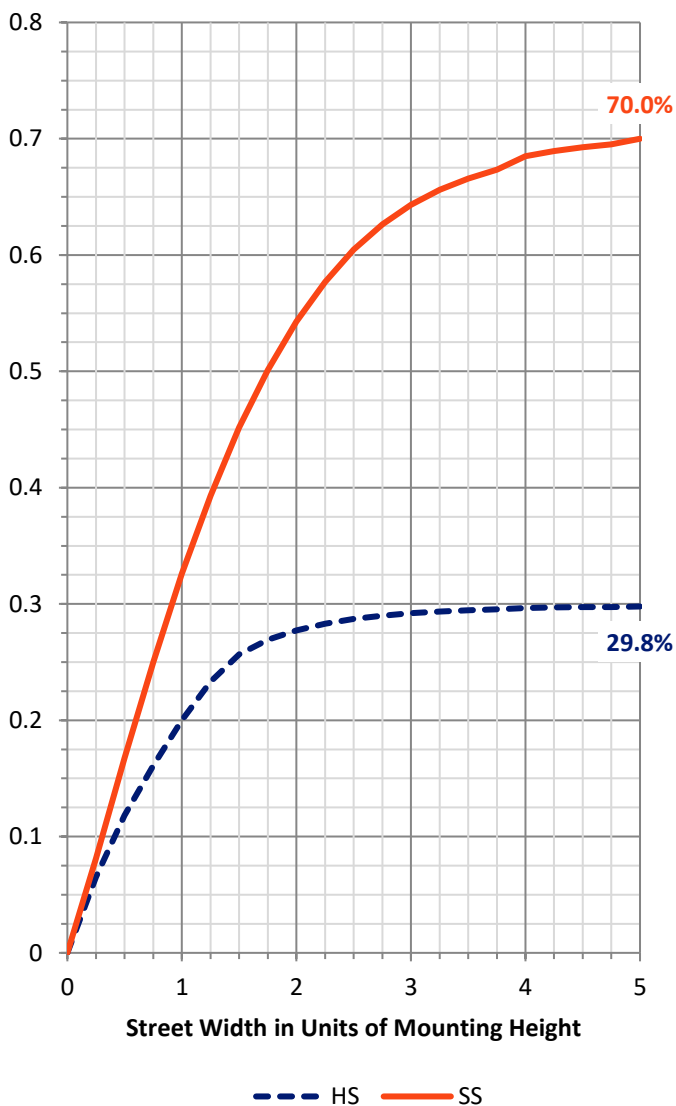
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 20619.9 | 6.9 | 20626.8 |
| | % Fixture | 29.9 | 0.0 | 29.9 |
| Street Side | Lumens | 48372.5 | 77.7 | 48450.2 |
| | % Fixture | 70.0 | 0.1 | 70.1 |
| Total | Lumens | 68992.3 | 84.7 | 69077.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 659.9 | 1.0 |
| 10°-20° | 2042.9 | 3.0 |
| 20°-30° | 3428.4 | 5.0 |
| 30°-40° | 5559.3 | 8.0 |
| 40°-50° | 9084.5 | 13.2 |
| 50°-60° | 14237.0 | 20.6 |
| 60°-70° | 19067.7 | 27.6 |
| 70°-80° | 13897.8 | 20.1 |
| 80°-90° | 1014.9 | 1.5 |
| 90°-100° | 64.9 | 0.1 |
| 100°-110° | 18.4 | 0.0 |
| 110°-120° | 1.3 | 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° | 68992.3 | 99.9 |
| 0°-180° | 69077.0 | 100.0 |

Coefficient of Utilization



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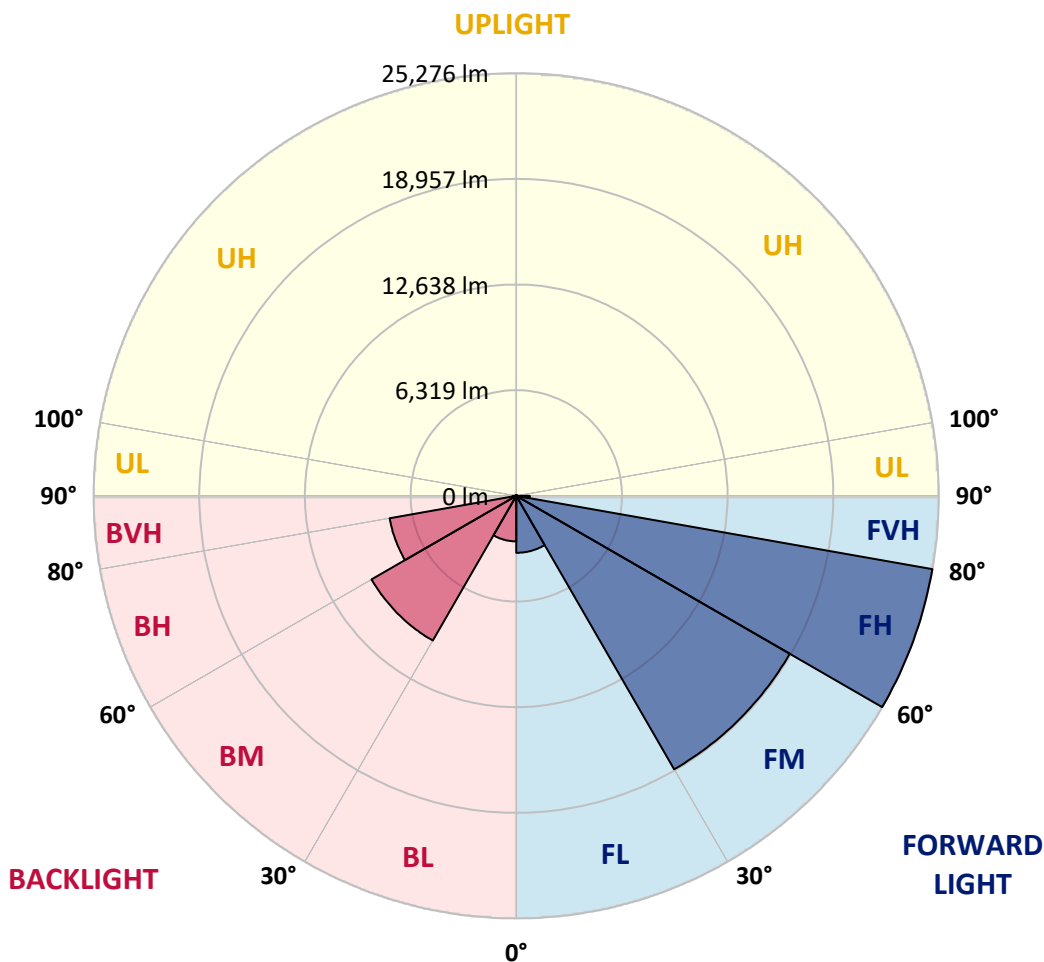
CATALOG NUMBER: CST-CA10-630-750-U-T5-HSS-HM-EX120

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|--------|--------|
| | | | B | U | G |
| FL (0°-30°) | 3407.2 | 4.9 | | | |
| FM (30°-60°) | 18886.9 | 27.3 | | | |
| FH (60°-80°) | 25275.7 | 36.6 | | | G5 |
| FVH (80°-90°) | 802.6 | 1.2 | | | G5 |
| BL (0°-30°) | 2723.9 | 3.9 | B4/5000 | | |
| BM (30°-60°) | 9993.9 | 14.5 | B5 | | |
| BH (60°-80°) | 7689.7 | 11.1 | B5 | | G5 |
| BVH (80°-90°) | 212.3 | 0.3 | | | G2/225 |
| UL (90°-100°) | 64.9 | 0.1 | | U3/500 | |
| UH (100°-180°) | 19.8 | 0.0 | | U2/50 | |

BUG Rating: B5-U3-G5

Type IV Short





REPORT NUMBER: P579532

CATALOG NUMBER: CST-CA10-630-750-U-T5-HSS-HM-EX120

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 |
| 2.5° | 6975.4 | 6934.8 | 6937.7 | 6975.4 | 6862.2 | 6899.9 | 6850.6 | 6888.3 | 6862.2 | 6870.9 | 6888.3 |
| 5° | 7019.0 | 6975.4 | 6978.3 | 7024.8 | 6923.2 | 6955.1 | 6888.3 | 6908.6 | 6885.4 | 6897.0 | 6897.0 |
| 7.5° | 7106.1 | 7056.7 | 7053.8 | 7082.9 | 6978.3 | 6989.9 | 6929.0 | 6931.9 | 6897.0 | 6920.2 | 6908.6 |
| 10° | 7236.8 | 7196.1 | 7167.1 | 7184.5 | 7091.6 | 7085.8 | 7007.4 | 7010.3 | 6966.7 | 6992.8 | 6972.5 |
| 12.5° | 7396.5 | 7341.3 | 7335.5 | 7341.3 | 7239.7 | 7216.5 | 7135.1 | 7141.0 | 7062.5 | 7103.2 | 7080.0 |
| 15° | 7599.8 | 7512.7 | 7512.7 | 7544.6 | 7413.9 | 7396.5 | 7297.8 | 7303.6 | 7222.3 | 7254.2 | 7231.0 |
| 17.5° | 7849.5 | 7765.3 | 7750.8 | 7774.0 | 7660.8 | 7637.5 | 7535.9 | 7530.1 | 7440.1 | 7448.8 | 7428.4 |
| 20° | 8171.9 | 8087.7 | 8052.8 | 8110.9 | 7968.6 | 7951.2 | 7829.2 | 7817.6 | 7721.8 | 7695.6 | 7684.0 |
| 22.5° | 8471.0 | 8404.2 | 8386.8 | 8450.7 | 8302.6 | 8288.0 | 8171.9 | 8157.4 | 8067.3 | 8029.6 | 7800.2 |
| 25° | 8807.9 | 8793.3 | 8787.5 | 8807.9 | 8668.5 | 8639.4 | 8549.4 | 8529.1 | 8453.6 | 8407.1 | 8128.3 |
| 27.5° | 9243.5 | 9237.6 | 9220.2 | 9223.1 | 9095.3 | 9069.2 | 8985.0 | 8970.5 | 8892.1 | 8839.8 | 8482.6 |
| 30° | 9699.4 | 9699.4 | 9661.6 | 9682.0 | 9618.1 | 9577.4 | 9510.6 | 9458.3 | 9409.0 | 9353.8 | 8903.7 |
| 32.5° | 10225.0 | 10222.1 | 10187.3 | 10248.2 | 10201.8 | 10201.8 | 10161.1 | 10105.9 | 10018.8 | 9992.7 | 9446.7 |
| 35° | 10901.6 | 10858.1 | 10843.6 | 10942.3 | 10927.8 | 10953.9 | 10939.4 | 10881.3 | 10808.7 | 10747.7 | 10085.6 |
| 37.5° | 11650.9 | 11639.3 | 11682.8 | 11743.8 | 11775.7 | 11845.4 | 11801.9 | 11799.0 | 11787.4 | 11633.4 | 9914.3 |
| 40° | 12574.3 | 12525.0 | 12586.0 | 12617.9 | 12594.7 | 12707.9 | 12670.2 | 12702.1 | 12789.2 | 11552.1 | 9902.7 |
| 42.5° | 13494.9 | 13451.4 | 13494.9 | 13651.7 | 13616.9 | 13753.4 | 13735.9 | 13860.8 | 13910.2 | 11723.5 | 10707.1 |
| 45° | 14627.5 | 14578.1 | 14613.0 | 14798.8 | 14816.2 | 14981.8 | 15071.8 | 15190.9 | 15214.1 | 12832.8 | 11677.0 |
| 47.5° | 15928.5 | 15847.2 | 15914.0 | 16001.1 | 16265.3 | 16422.2 | 16509.3 | 16654.5 | 16802.6 | 14168.6 | 12780.5 |
| 50° | 17363.1 | 17357.2 | 17429.8 | 17580.9 | 17882.9 | 18039.7 | 18190.7 | 18341.7 | 18585.6 | 15658.4 | 14017.6 |
| 52.5° | 19186.8 | 19149.0 | 19273.9 | 19416.2 | 19683.4 | 19924.4 | 20104.4 | 20261.2 | 20522.6 | 17165.6 | 15356.4 |
| 55° | 21271.8 | 21141.2 | 21379.3 | 21620.3 | 21733.6 | 22018.2 | 22143.0 | 22273.7 | 22523.5 | 18751.2 | 16137.6 |
| 57.5° | 23522.4 | 23490.5 | 23656.0 | 23743.2 | 23987.1 | 24164.2 | 24231.0 | 24373.3 | 24370.4 | 20400.6 | 17467.6 |
| 60° | 25738.2 | 25703.4 | 25897.9 | 25950.2 | 26144.8 | 26304.5 | 26281.3 | 26409.0 | 26455.5 | 21948.5 | 18771.5 |
| 62.5° | 28070.1 | 28012.0 | 28192.1 | 28203.7 | 28087.5 | 28346.0 | 28319.9 | 28427.3 | 28386.7 | 23461.5 | 20055.1 |
| 65° | 30619.8 | 30663.4 | 30721.5 | 30483.4 | 30204.6 | 30428.2 | 30422.4 | 30625.6 | 30770.8 | 25575.6 | 21774.2 |
| 67.5° | 33956.5 | 33901.4 | 33602.3 | 33027.3 | 32350.6 | 32124.1 | 31883.1 | 32031.2 | 32071.8 | 26626.8 | 22654.2 |
| 70° | 32516.2 | 32394.2 | 32260.6 | 31674.0 | 30858.0 | 30283.0 | 29908.4 | 30065.2 | 30230.7 | 25163.2 | 21277.7 |
| 72.5° | 29005.2 | 28703.2 | 28081.7 | 27564.8 | 27094.4 | 26533.9 | 26078.0 | 26351.0 | 26714.0 | 22320.2 | 18841.2 |
| 75° | 22883.6 | 22601.9 | 22148.9 | 21797.5 | 21544.8 | 21539.0 | 21518.7 | 21730.7 | 21678.4 | 18123.9 | 15318.6 |
| 77.5° | 14171.5 | 14761.1 | 15179.2 | 14880.1 | 14984.7 | 14769.8 | 15243.1 | 15521.9 | 15774.6 | 12992.5 | 10913.3 |
| 80° | 6542.7 | 6693.7 | 7434.3 | 7242.6 | 7088.7 | 7045.1 | 7074.2 | 7559.1 | 7701.4 | 5831.2 | 4884.5 |
| 82.5° | 1492.7 | 1431.7 | 1483.9 | 1376.5 | 1370.7 | 1306.8 | 1315.5 | 1315.5 | 1269.1 | 1074.5 | 900.2 |
| 85° | 755.0 | 772.5 | 778.3 | 746.3 | 659.2 | 592.4 | 548.9 | 464.6 | 400.8 | 342.7 | 290.4 |
| 87.5° | 505.3 | 519.8 | 528.5 | 485.0 | 435.6 | 380.4 | 345.6 | 281.7 | 223.6 | 139.4 | 107.4 |
| 90° | 345.6 | 342.7 | 334.0 | 310.7 | 278.8 | 238.1 | 191.7 | 133.6 | 78.4 | 29.0 | 20.3 |
| 92.5° | 246.8 | 241.0 | 238.1 | 217.8 | 194.6 | 162.6 | 124.9 | 84.2 | 43.6 | 20.3 | 11.6 |
| 95° | 162.6 | 159.7 | 159.7 | 148.1 | 130.7 | 107.4 | 84.2 | 55.2 | 31.9 | 17.4 | 11.6 |
| 97.5° | 113.3 | 110.4 | 110.4 | 104.5 | 92.9 | 78.4 | 58.1 | 37.8 | 26.1 | 17.4 | 11.6 |
| 100° | 78.4 | 78.4 | 78.4 | 72.6 | 66.8 | 55.2 | 43.6 | 29.0 | 23.2 | 17.4 | 11.6 |
| 102.5° | 52.3 | 52.3 | 55.2 | 52.3 | 46.5 | 37.8 | 29.0 | 23.2 | 20.3 | 14.5 | 11.6 |
| 105° | 34.8 | 34.8 | 34.8 | 34.8 | 31.9 | 26.1 | 23.2 | 20.3 | 17.4 | 14.5 | 11.6 |
| 107.5° | 23.2 | 23.2 | 23.2 | 23.2 | 20.3 | 17.4 | 17.4 | 17.4 | 14.5 | 14.5 | 11.6 |
| 110° | 14.5 | 14.5 | 14.5 | 17.4 | 14.5 | 14.5 | 14.5 | 14.5 | 14.5 | 11.6 | 11.6 |



REPORT NUMBER: P579532
 CATALOG NUMBER: CST-CA10-630-750-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-CA10-630-750-U-T5-HSS-HM-EX120

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|
| 0° | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 | 6844.7 |
| 2.5° | 6873.8 | 6833.1 | 6853.5 | 6812.8 | 6795.4 | 6757.6 | 6830.2 | 6836.0 | 6830.2 | 6841.8 |
| 5° | 6882.5 | 6836.0 | 6859.3 | 6812.8 | 6804.1 | 6760.5 | 6833.1 | 6833.1 | 6815.7 | 6824.4 |
| 7.5° | 6902.8 | 6853.5 | 6870.9 | 6815.7 | 6815.7 | 6763.4 | 6850.6 | 6844.7 | 6830.2 | 6850.6 |
| 10° | 6972.5 | 6914.4 | 6914.4 | 6862.2 | 6868.0 | 6812.8 | 6920.2 | 6920.2 | 6908.6 | 6943.5 |
| 12.5° | 7080.0 | 7007.4 | 7010.3 | 6937.7 | 6949.3 | 6905.7 | 7036.4 | 7042.2 | 7042.2 | 7100.3 |
| 15° | 7219.4 | 7109.0 | 7120.6 | 7042.2 | 7065.4 | 7013.2 | 7129.3 | 7123.5 | 7138.0 | 7222.3 |
| 17.5° | 7390.7 | 7268.7 | 7167.1 | 6911.5 | 6760.5 | 6766.3 | 7111.9 | 7271.6 | 7085.8 | 7141.0 |
| 20° | 7463.3 | 6870.9 | 6548.5 | 6455.6 | 6435.3 | 6112.9 | 5453.7 | 5555.4 | 6176.8 | 6446.9 |
| 22.5° | 6975.4 | 6786.7 | 6754.7 | 6635.7 | 5755.7 | 5511.8 | 5552.5 | 5494.4 | 4884.5 | 4539.0 |
| 25° | 7213.6 | 7088.7 | 7016.1 | 5967.7 | 5770.3 | 5726.7 | 5697.7 | 5145.9 | 4483.8 | 4515.7 |
| 27.5° | 7550.4 | 7387.8 | 6516.6 | 5993.9 | 6031.6 | 5964.8 | 5796.4 | 4629.0 | 4608.7 | 4660.9 |
| 30° | 7948.3 | 7538.8 | 6351.1 | 6301.7 | 6345.3 | 6258.1 | 4872.9 | 4826.5 | 4826.5 | 4878.7 |
| 32.5° | 8436.1 | 6838.9 | 6740.2 | 6746.0 | 6717.0 | 5729.6 | 5128.5 | 5116.9 | 5151.7 | 5195.3 |
| 35° | 8299.6 | 7294.9 | 7303.6 | 7352.9 | 7286.2 | 5604.7 | 5529.2 | 5485.7 | 5514.7 | 5532.1 |
| 37.5° | 8032.5 | 7980.2 | 7980.2 | 7925.0 | 6220.4 | 6043.2 | 5961.9 | 5956.1 | 5953.2 | 5953.2 |
| 40° | 8706.2 | 8656.8 | 8595.9 | 8500.0 | 6507.9 | 6554.3 | 6432.4 | 6417.9 | 6426.6 | 6458.5 |
| 42.5° | 9472.9 | 9452.5 | 9446.7 | 7294.9 | 7106.1 | 7141.0 | 7010.3 | 6972.5 | 6972.5 | 7045.1 |
| 45° | 10376.0 | 10349.9 | 9708.1 | 7797.3 | 7765.3 | 7806.0 | 7660.8 | 7570.7 | 7620.1 | 7672.4 |
| 47.5° | 11412.7 | 11412.7 | 8595.9 | 8549.4 | 8549.4 | 8572.6 | 8427.4 | 8305.5 | 8354.8 | 8372.2 |
| 50° | 12548.2 | 10773.9 | 9458.3 | 9414.8 | 9455.4 | 9443.8 | 9292.8 | 8160.3 | 9208.6 | 9217.3 |
| 52.5° | 12864.7 | 10477.7 | 10405.1 | 10355.7 | 10405.1 | 10396.3 | 10239.5 | 6807.0 | 9960.7 | 10103.0 |
| 55° | 11404.0 | 11412.7 | 11398.2 | 11325.6 | 11377.9 | 11357.6 | 11203.7 | 7431.4 | 7344.2 | 6545.6 |
| 57.5° | 12330.4 | 12342.0 | 12336.2 | 12324.6 | 12371.1 | 8987.9 | 11604.4 | 6714.1 | 4100.5 | 4103.4 |
| 60° | 13338.1 | 13280.0 | 13262.6 | 13236.5 | 11218.2 | 6371.4 | 4835.2 | 467.5 | 1603.0 | 1579.8 |
| 62.5° | 14252.9 | 14232.5 | 14171.5 | 14157.0 | 9519.3 | 5018.1 | 4902.0 | 107.4 | 84.2 | 81.3 |
| 65° | 15524.8 | 15344.8 | 15295.4 | 15141.5 | 10146.6 | 5343.4 | 5233.0 | 31.9 | 2.9 | 0.0 |
| 67.5° | 15998.2 | 15632.3 | 15455.1 | 15373.8 | 10323.7 | 5511.8 | 5299.8 | 31.9 | 2.9 | 0.0 |
| 70° | 15103.7 | 14650.7 | 14427.1 | 14337.1 | 9647.1 | 5151.7 | 4942.6 | 31.9 | 2.9 | 0.0 |
| 72.5° | 13393.3 | 13059.3 | 12969.3 | 12681.8 | 8505.8 | 4521.5 | 4338.6 | 31.9 | 0.0 | 0.0 |
| 75° | 10985.9 | 10863.9 | 10753.5 | 10448.6 | 6914.4 | 3592.3 | 3429.6 | 29.0 | 0.0 | 0.0 |
| 77.5° | 7994.7 | 7814.7 | 7611.4 | 7280.3 | 4666.7 | 2346.4 | 2262.2 | 26.1 | 0.0 | 0.0 |
| 80° | 3603.9 | 3455.8 | 3406.4 | 2889.5 | 1655.3 | 763.8 | 673.7 | 23.2 | 0.0 | 0.0 |
| 82.5° | 699.9 | 630.2 | 598.2 | 575.0 | 371.7 | 206.2 | 180.0 | 17.4 | 0.0 | 0.0 |
| 85° | 238.1 | 264.3 | 307.8 | 339.8 | 209.1 | 124.9 | 104.5 | 11.6 | 0.0 | 0.0 |
| 87.5° | 92.9 | 124.9 | 151.0 | 156.8 | 78.4 | 52.3 | 29.0 | 5.8 | 0.0 | 0.0 |
| 90° | 17.4 | 23.2 | 20.3 | 14.5 | 8.7 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 8.7 | 11.6 | 8.7 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 11.6 | 11.6 | 11.6 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 11.6 | 11.6 | 11.6 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 11.6 | 11.6 | 11.6 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 11.6 | 11.6 | 11.6 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 11.6 | 14.5 | 11.6 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 11.6 | 14.5 | 11.6 | 8.7 | 5.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 11.6 | 14.5 | 11.6 | 8.7 | 5.8 | 2.9 | 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° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 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)