

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: P256716

Luminaire Tested: **CST-10-4-D-U-T5R-7030-HSS-HM-EX120**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P256716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-894-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-10-4-D-U-T5R-7030-HSS-HM-EX120
Description: CELESTEON HIGH MAST LUMINAIRE
(10) 70 CRI, 3000K LEDS AND TYPE V ROUND WITH EXTERNAL FIELD INSTALLED
120 DEGREE SHIELD - BLACK
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32454 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B4 - U2 - G5

Input Watts (W): 308
Input Voltage (V): NR
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

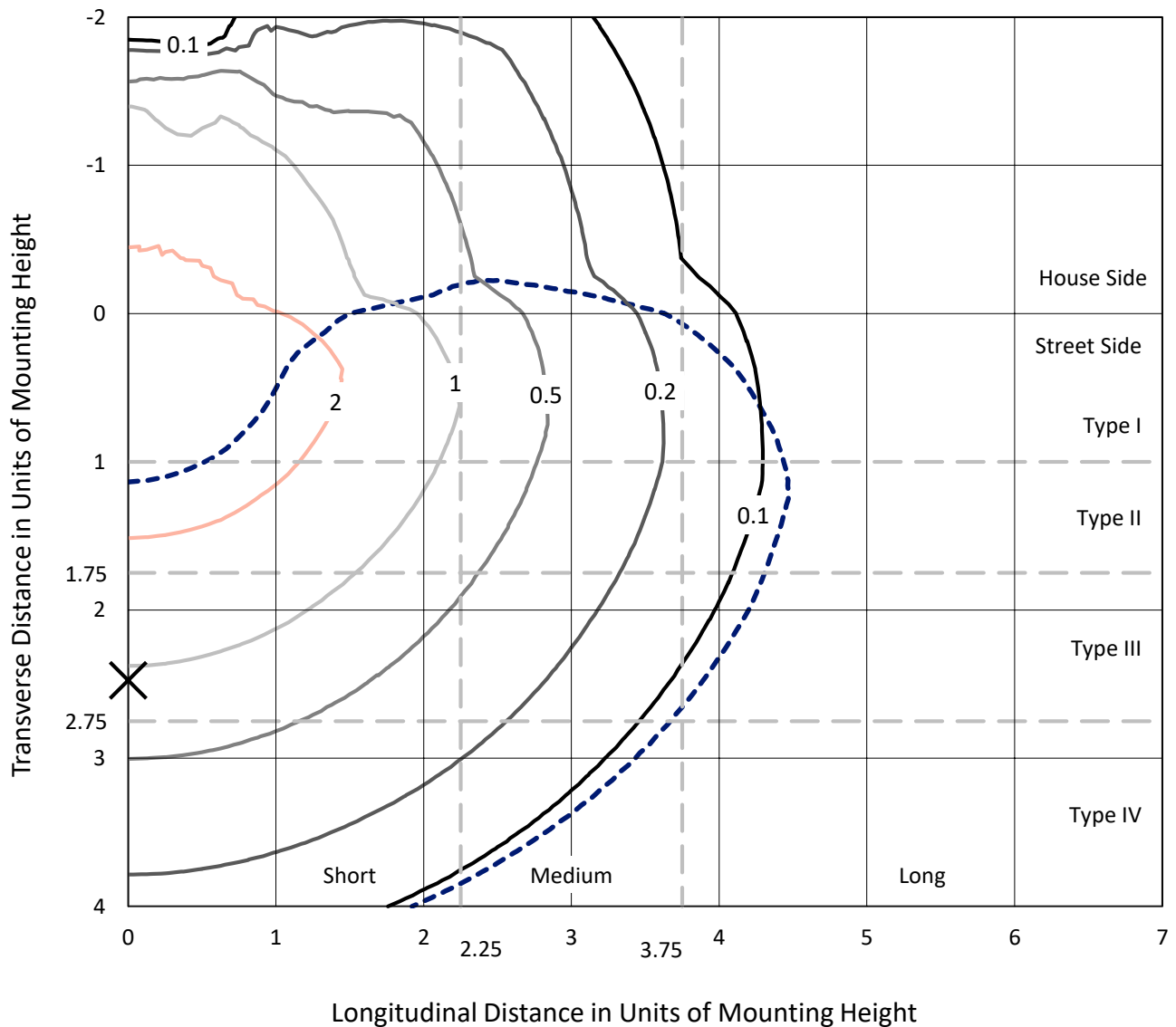


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

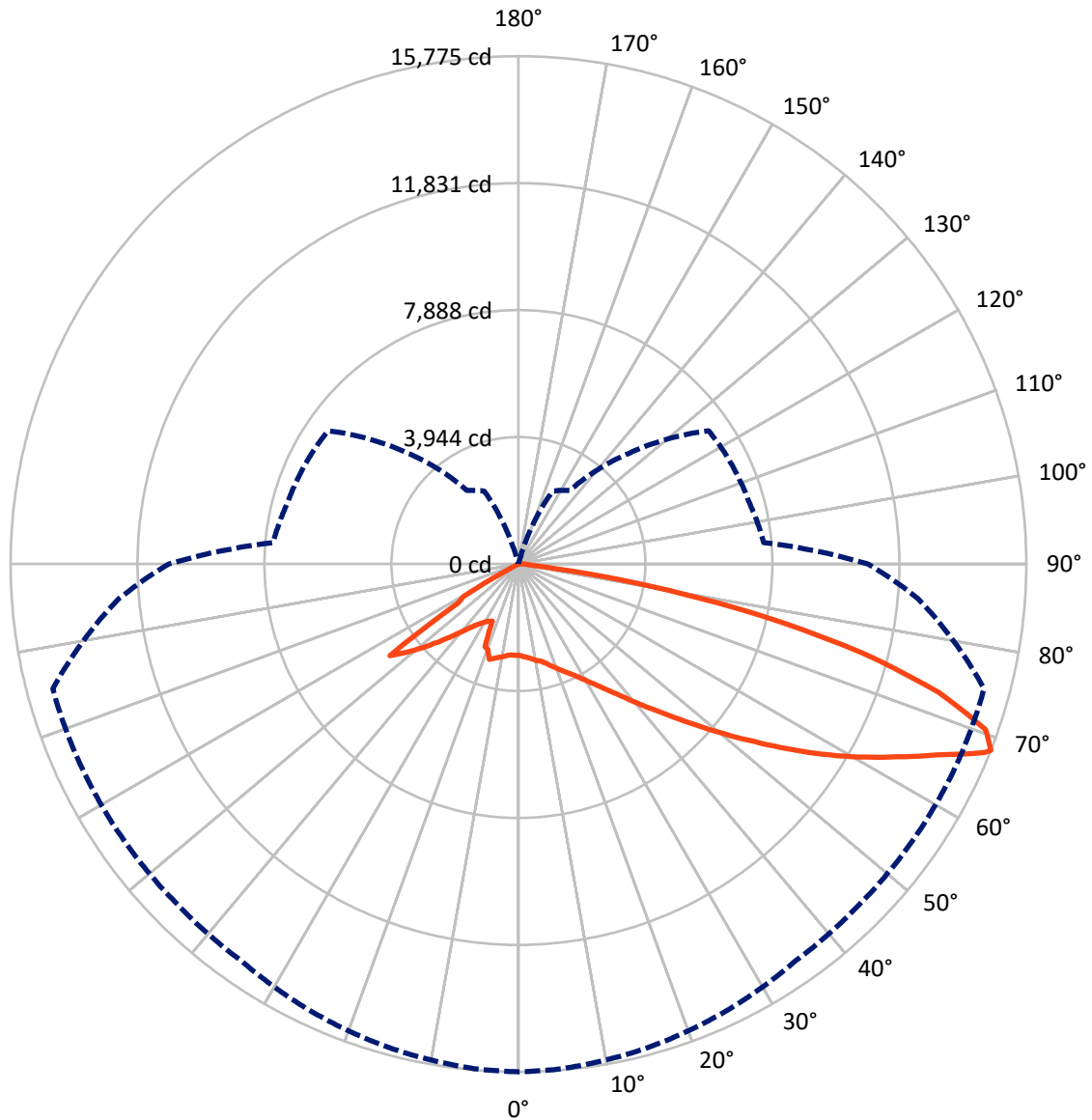


Based on 30 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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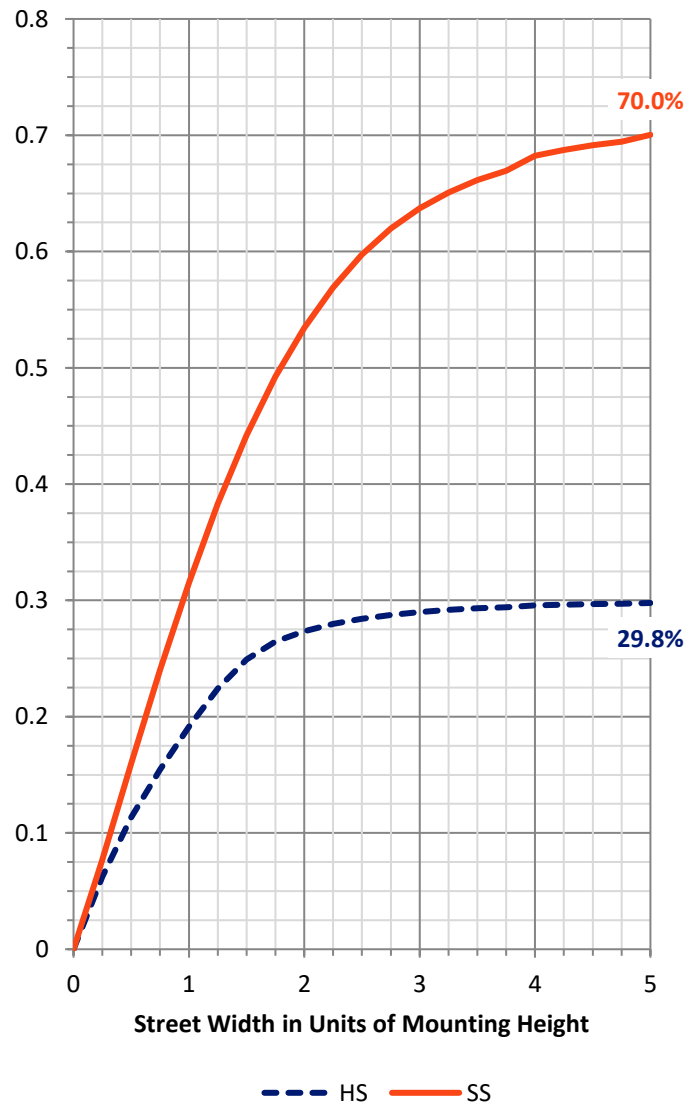
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9674.2 | 1.5 | 9675.7 |
| | % Fixture | 29.8 | 0.0 | 29.8 |
| Street Side | Lumens | 22765.0 | 13.3 | 22778.3 |
| | % Fixture | 70.1 | 0.0 | 70.2 |
| Total | Lumens | 32439.2 | 14.7 | 32454.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 274.6 | 0.8 |
| 10°-20° | 874.0 | 2.7 |
| 20°-30° | 1497.1 | 4.6 |
| 30°-40° | 2428.6 | 7.5 |
| 40°-50° | 4095.7 | 12.6 |
| 50°-60° | 6676.0 | 20.6 |
| 60°-70° | 8953.7 | 27.6 |
| 70°-80° | 6954.7 | 21.4 |
| 80°-90° | 684.9 | 2.1 |
| 90°-100° | 13.0 | 0.0 |
| 100°-110° | 0.7 | 0.0 |
| 110°-120° | 0.2 | 0.0 |
| 120°-130° | 0.1 | 0.0 |
| 130°-140° | 0.2 | 0.0 |
| 140°-150° | 0.2 | 0.0 |
| 150°-160° | 0.2 | 0.0 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 32439.2 | 100.0 |
| 0°-180° | 32454.0 | 100.0 |



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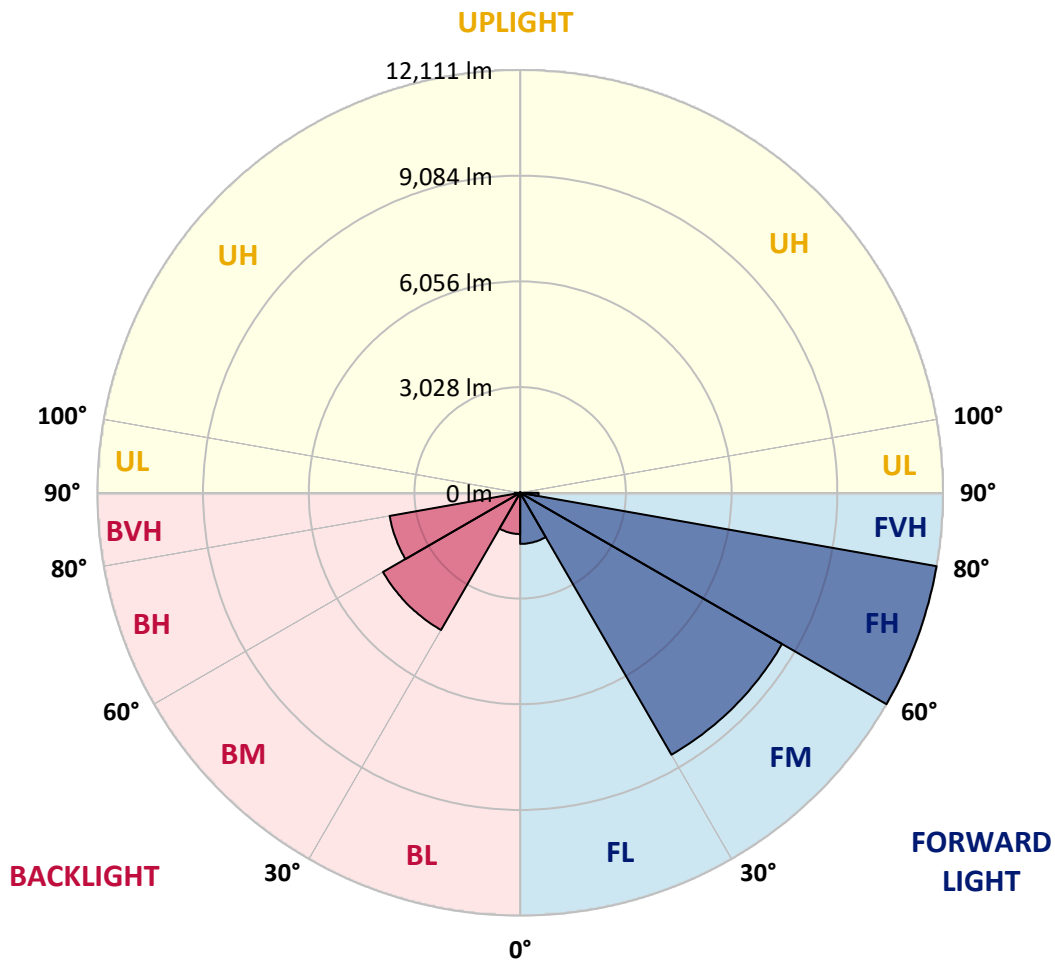
CATALOG NUMBER: CST-10-4-D-U-T5R-7030-HSS-HM-EX120

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1463.9 | 4.5 | | | |
| FM | (30°-60°) | 8663.1 | 26.7 | | | |
| FH | (60°-80°) | 12111.5 | 37.3 | | | G5 |
| FVH | (80°-90°) | 526.6 | 1.6 | | | G4/750 |
| BL | (0°-30°) | 1181.8 | 3.6 | B3/2500 | | |
| BM | (30°-60°) | 4537.2 | 14.0 | B3/5000 | | |
| BH | (60°-80°) | 3796.9 | 11.7 | B4/5000 | | G4/5000 |
| BVH | (80°-90°) | 158.3 | 0.5 | | | G2/225 |
| UL | (90°-100°) | 13.0 | 0.0 | | U2/50 | |
| UH | (100°-180°) | 1.5 | 0.0 | | U1/10 | |

BUG Rating: B4-U2-G5

Type IV Short





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CATALOG NUMBER: CST-10-4-D-U-T5R-7030-HSS-HM-EX120

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 |
| 2.5° | 2876.4 | 2868.3 | 2867.0 | 2883.1 | 2832.1 | 2857.6 | 2834.8 | 2853.5 | 2841.5 | 2850.9 | 2852.2 |
| 5° | 2915.3 | 2900.5 | 2891.1 | 2909.9 | 2877.7 | 2889.8 | 2864.3 | 2872.3 | 2838.8 | 2857.6 | 2860.3 |
| 7.5° | 2971.7 | 2947.5 | 2944.8 | 2950.2 | 2922.0 | 2931.4 | 2889.8 | 2899.2 | 2875.0 | 2864.3 | 2873.7 |
| 10° | 3048.2 | 3025.4 | 3007.9 | 3020.0 | 2982.4 | 2987.8 | 2943.5 | 2944.8 | 2927.4 | 2907.2 | 2923.3 |
| 12.5° | 3091.1 | 3093.8 | 3085.8 | 3095.1 | 3064.3 | 3046.8 | 3016.0 | 3005.2 | 2987.8 | 2963.6 | 2955.6 |
| 15° | 3198.5 | 3193.1 | 3177.0 | 3191.8 | 3187.8 | 3171.7 | 3134.1 | 3109.9 | 3072.3 | 3058.9 | 3045.5 |
| 17.5° | 3330.0 | 3312.6 | 3299.2 | 3318.0 | 3338.1 | 3304.5 | 3268.3 | 3234.7 | 3185.1 | 3158.2 | 3142.1 |
| 20° | 3468.3 | 3456.2 | 3442.8 | 3472.3 | 3479.0 | 3453.5 | 3426.7 | 3377.0 | 3319.3 | 3284.4 | 3250.8 |
| 22.5° | 3622.6 | 3598.5 | 3602.5 | 3641.4 | 3629.3 | 3617.3 | 3582.4 | 3542.1 | 3472.3 | 3428.0 | 3331.4 |
| 25° | 3782.4 | 3768.9 | 3787.7 | 3805.2 | 3795.8 | 3770.3 | 3752.8 | 3723.3 | 3645.5 | 3591.8 | 3450.8 |
| 27.5° | 3981.0 | 3959.5 | 3983.7 | 3990.4 | 3982.4 | 3975.6 | 3951.5 | 3928.7 | 3844.1 | 3783.7 | 3607.9 |
| 30° | 4214.6 | 4189.1 | 4228.0 | 4218.6 | 4210.5 | 4215.9 | 4201.1 | 4151.5 | 4076.3 | 3994.4 | 3818.6 |
| 32.5° | 4492.4 | 4458.8 | 4503.1 | 4483.0 | 4464.2 | 4501.8 | 4466.9 | 4419.9 | 4331.3 | 4236.0 | 4064.2 |
| 35° | 4814.5 | 4815.9 | 4838.7 | 4805.1 | 4798.4 | 4838.7 | 4815.9 | 4758.2 | 4676.3 | 4577.0 | 4332.7 |
| 37.5° | 5205.1 | 5194.4 | 5252.1 | 5236.0 | 5211.8 | 5265.5 | 5272.2 | 5199.7 | 5052.1 | 4954.1 | 4665.5 |
| 40° | 5680.3 | 5677.6 | 5696.4 | 5699.0 | 5692.3 | 5717.8 | 5729.9 | 5633.3 | 5538.0 | 5390.3 | 4402.5 |
| 42.5° | 6187.6 | 6198.3 | 6231.9 | 6207.7 | 6240.0 | 6273.5 | 6277.5 | 6197.0 | 6060.1 | 5171.6 | 4676.3 |
| 45° | 6797.0 | 6830.5 | 6853.3 | 6848.0 | 6862.7 | 6911.1 | 6915.1 | 6872.1 | 6737.9 | 5602.4 | 5172.9 |
| 47.5° | 7496.3 | 7528.5 | 7535.2 | 7578.1 | 7564.7 | 7633.2 | 7623.8 | 7625.1 | 7481.5 | 6202.4 | 5713.8 |
| 50° | 8300.3 | 8315.0 | 8370.1 | 8394.2 | 8360.7 | 8453.3 | 8429.1 | 8458.6 | 8281.5 | 6889.6 | 6295.0 |
| 52.5° | 9153.9 | 9179.4 | 9202.2 | 9293.5 | 9250.5 | 9331.1 | 9298.9 | 9367.3 | 9162.0 | 7588.9 | 6940.6 |
| 55° | 10124.3 | 10128.4 | 10167.3 | 10259.9 | 10203.5 | 10300.2 | 10253.2 | 10278.7 | 10114.9 | 8362.0 | 7613.0 |
| 57.5° | 11152.5 | 11139.0 | 11153.8 | 11227.6 | 11176.6 | 11249.1 | 11230.3 | 11254.5 | 11101.5 | 9175.4 | 8104.3 |
| 60° | 12169.9 | 12149.7 | 12171.2 | 12220.9 | 12151.1 | 12275.9 | 12208.8 | 12231.6 | 12066.5 | 10006.2 | 8804.9 |
| 62.5° | 13192.6 | 13177.9 | 13153.7 | 13203.4 | 13101.4 | 13165.8 | 13194.0 | 13156.4 | 13011.4 | 10757.9 | 9414.3 |
| 65° | 14290.6 | 14275.8 | 14187.2 | 14218.1 | 14035.5 | 14004.7 | 14015.4 | 14027.5 | 13930.8 | 11502.8 | 10082.7 |
| 67.5° | 15624.7 | 15603.2 | 15436.8 | 15227.4 | 14964.4 | 14906.6 | 14912.0 | 14944.2 | 14957.6 | 12461.1 | 10865.2 |
| 68° | 15775.1 | 15736.1 | 15550.9 | 15308.0 | 15032.8 | 14965.7 | 14959.0 | 14965.7 | 14972.4 | 12469.2 | 10857.2 |
| 70° | 15391.2 | 15376.4 | 15235.5 | 14941.5 | 14659.7 | 14498.6 | 14359.0 | 14353.6 | 14289.2 | 11831.6 | 10257.2 |
| 72.5° | 13658.4 | 13639.6 | 13471.8 | 13263.8 | 13089.3 | 12836.9 | 12655.7 | 12666.5 | 12560.4 | 10457.2 | 8978.1 |
| 75° | 11053.1 | 11051.8 | 10850.5 | 10676.0 | 10678.7 | 10659.9 | 10599.5 | 10705.5 | 10595.4 | 8869.4 | 7657.3 |
| 77.5° | 7703.0 | 7729.8 | 7716.4 | 7614.4 | 7758.0 | 7956.6 | 8172.7 | 8376.8 | 8313.7 | 7006.4 | 6105.7 |
| 80° | 4024.0 | 4099.1 | 4364.9 | 4377.0 | 4477.6 | 4670.9 | 4818.6 | 4955.5 | 4964.9 | 3975.6 | 3527.3 |
| 82.5° | 1069.7 | 1092.6 | 1182.5 | 1157.0 | 1148.9 | 1187.9 | 1220.1 | 1224.1 | 1226.8 | 1036.2 | 967.7 |
| 85° | 332.9 | 342.3 | 331.5 | 316.8 | 293.9 | 268.4 | 261.7 | 213.4 | 169.1 | 139.6 | 122.1 |
| 87.5° | 236.2 | 252.3 | 228.2 | 214.8 | 190.6 | 181.2 | 162.4 | 127.5 | 99.3 | 69.8 | 47.0 |
| 90° | 122.1 | 124.8 | 111.4 | 95.3 | 88.6 | 83.2 | 71.1 | 51.0 | 25.5 | 13.4 | 12.1 |
| 92.5° | 61.7 | 63.1 | 55.0 | 47.0 | 40.3 | 34.9 | 26.8 | 14.8 | 8.1 | 4.0 | 1.3 |
| 95° | 24.2 | 25.5 | 22.8 | 20.1 | 16.1 | 12.1 | 10.7 | 8.1 | 5.4 | 2.7 | 1.3 |
| 97.5° | 8.1 | 8.1 | 8.1 | 6.7 | 6.7 | 6.7 | 6.7 | 5.4 | 4.0 | 2.7 | 1.3 |
| 100° | 0.0 | 0.0 | 0.0 | 1.3 | 2.7 | 4.0 | 4.0 | 4.0 | 2.7 | 1.3 | 1.3 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 2.7 | 2.7 | 2.7 | 1.3 | 1.3 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |



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CATALOG NUMBER: CST-10-4-D-U-T5R-7030-HSS-HM-EX120

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 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 | 1.3 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 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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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 | 2829.4 |
| 2.5° | 2845.5 | 2837.4 | 2841.5 | 2807.9 | 2816.0 | 2794.5 | 2840.1 | 2828.0 | 2822.7 | 2841.5 |
| 5° | 2852.2 | 2822.7 | 2846.8 | 2824.0 | 2828.0 | 2797.2 | 2834.8 | 2820.0 | 2818.7 | 2829.4 |
| 7.5° | 2854.9 | 2840.1 | 2862.9 | 2825.4 | 2837.4 | 2825.4 | 2853.5 | 2838.8 | 2852.2 | 2861.6 |
| 10° | 2892.5 | 2884.4 | 2881.7 | 2868.3 | 2877.7 | 2850.9 | 2885.8 | 2885.8 | 2892.5 | 2918.0 |
| 12.5° | 2947.5 | 2936.8 | 2930.1 | 2905.9 | 2915.3 | 2907.2 | 2935.4 | 2940.8 | 2952.9 | 2963.6 |
| 15° | 3022.7 | 3003.9 | 2997.2 | 2975.7 | 2982.4 | 2981.1 | 3001.2 | 3002.5 | 3029.4 | 3028.0 |
| 17.5° | 3119.3 | 3092.5 | 3100.5 | 3084.4 | 3085.8 | 3075.0 | 3064.3 | 3064.3 | 3088.4 | 3093.8 |
| 20° | 3234.7 | 3081.7 | 2880.4 | 2767.6 | 2747.5 | 2762.3 | 2820.0 | 2915.3 | 2795.8 | 2829.4 |
| 22.5° | 3026.7 | 2888.4 | 2879.1 | 2853.5 | 2837.4 | 2477.7 | 2385.1 | 2355.6 | 2509.9 | 2775.7 |
| 25° | 3053.5 | 2994.5 | 2977.0 | 2944.8 | 2469.7 | 2465.6 | 2438.8 | 2394.5 | 1956.9 | 1947.6 |
| 27.5° | 3195.8 | 3138.1 | 3109.9 | 2579.7 | 2569.0 | 2567.7 | 2527.4 | 2083.1 | 1982.5 | 1995.9 |
| 30° | 3362.2 | 3295.1 | 2790.5 | 2709.9 | 2700.5 | 2679.1 | 2448.2 | 2057.6 | 2056.3 | 2057.6 |
| 32.5° | 3554.2 | 3331.4 | 2871.0 | 2867.0 | 2872.3 | 2806.6 | 2169.0 | 2161.0 | 2159.6 | 2173.0 |
| 35° | 3817.3 | 3091.1 | 3072.3 | 3092.5 | 3064.3 | 2426.7 | 2299.2 | 2295.2 | 2296.5 | 2289.8 |
| 37.5° | 3642.8 | 3332.7 | 3328.7 | 3328.7 | 3262.9 | 2483.1 | 2457.6 | 2476.4 | 2473.7 | 2464.3 |
| 40° | 3716.6 | 3625.3 | 3601.2 | 3593.1 | 2758.3 | 2679.1 | 2664.3 | 2688.5 | 2692.5 | 2699.2 |
| 42.5° | 4075.0 | 3991.7 | 3979.7 | 3884.4 | 3001.2 | 2975.7 | 2930.1 | 2955.6 | 2952.9 | 2960.9 |
| 45° | 4515.2 | 4458.8 | 4406.5 | 3367.6 | 3328.7 | 3296.5 | 3249.5 | 3279.0 | 3287.1 | 3281.7 |
| 47.5° | 5027.9 | 4966.2 | 4587.7 | 3703.2 | 3701.8 | 3676.3 | 3624.0 | 3648.1 | 3644.1 | 3644.1 |
| 50° | 5543.3 | 5476.2 | 4167.6 | 4130.0 | 4116.6 | 4076.3 | 4033.4 | 4037.4 | 4038.7 | 4052.1 |
| 52.5° | 6119.2 | 4891.0 | 4613.2 | 4538.0 | 4548.8 | 4521.9 | 4480.3 | 3391.8 | 4460.2 | 4472.3 |
| 55° | 5719.2 | 5119.2 | 5103.1 | 5003.8 | 5029.3 | 4994.4 | 4967.5 | 3346.1 | 4436.0 | 4901.8 |
| 57.5° | 5654.8 | 5611.8 | 5598.4 | 5496.4 | 5528.6 | 5197.1 | 5445.4 | 3661.6 | 3068.3 | 2241.5 |
| 60° | 6147.3 | 6101.7 | 6093.7 | 6003.7 | 6001.0 | 4130.0 | 4950.1 | 2511.3 | 1962.3 | 1975.7 |
| 62.5° | 6625.2 | 6551.4 | 6571.5 | 6465.4 | 4558.2 | 2516.7 | 2218.7 | 56.4 | 89.9 | 95.3 |
| 65° | 7158.0 | 7034.5 | 7054.7 | 6956.7 | 4701.8 | 2653.6 | 2398.5 | 29.5 | 25.5 | 24.2 |
| 67.5° | 7670.8 | 7454.7 | 7351.3 | 7248.0 | 4883.0 | 2794.5 | 2499.2 | 8.1 | 0.0 | 0.0 |
| 68° | 7645.3 | 7417.1 | 7311.0 | 7213.1 | 4864.2 | 2790.5 | 2493.8 | 8.1 | 0.0 | 0.0 |
| 70° | 7214.4 | 7009.0 | 6908.4 | 6833.2 | 4644.1 | 2695.2 | 2393.2 | 8.1 | 0.0 | 0.0 |
| 72.5° | 6307.1 | 6193.0 | 6128.6 | 6062.8 | 4126.0 | 2410.6 | 2146.2 | 8.1 | 0.0 | 0.0 |
| 75° | 5359.5 | 5327.3 | 5287.0 | 5142.0 | 3438.8 | 1973.1 | 1763.7 | 8.1 | 0.0 | 0.0 |
| 77.5° | 4246.8 | 4245.4 | 4147.4 | 3977.0 | 2589.1 | 1448.2 | 1300.6 | 6.7 | 0.0 | 0.0 |
| 80° | 2296.5 | 2503.2 | 2428.1 | 2340.8 | 1468.4 | 787.9 | 750.3 | 5.4 | 0.0 | 0.0 |
| 82.5° | 645.6 | 610.7 | 586.5 | 549.0 | 308.7 | 171.8 | 167.8 | 5.4 | 0.0 | 0.0 |
| 85° | 89.9 | 99.3 | 110.1 | 124.8 | 71.1 | 45.6 | 40.3 | 2.7 | 0.0 | 0.0 |
| 87.5° | 51.0 | 57.7 | 71.1 | 73.8 | 26.8 | 21.5 | 6.7 | 0.0 | 0.0 | 0.0 |
| 90° | 10.7 | 12.1 | 13.4 | 13.4 | 5.4 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 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° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 110° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 1.3 | 1.3 | 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)