

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: P522221

Luminaire Tested: **CST-CA8-330-727-U-T5R-HSS-HM-EX90**

Issue Date: 5/10/2021

Test Information

Test Method: LM-79-08
Report Number: P522221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-894-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CST-CA8-330-727-U-T5R-HSS-HM-EX90
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (8) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35096.9 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U1 - G5

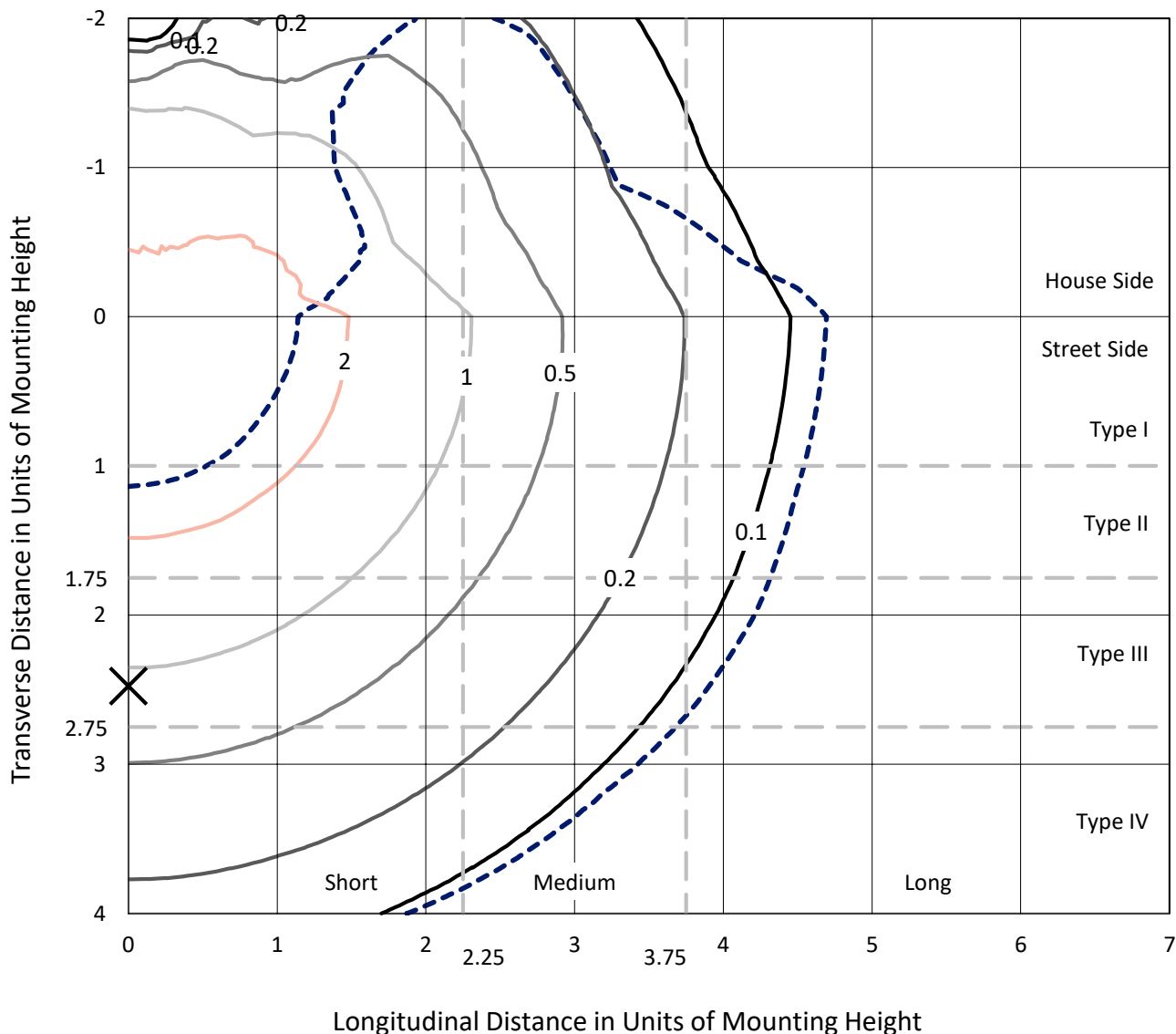
Input Watts (W): 331.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

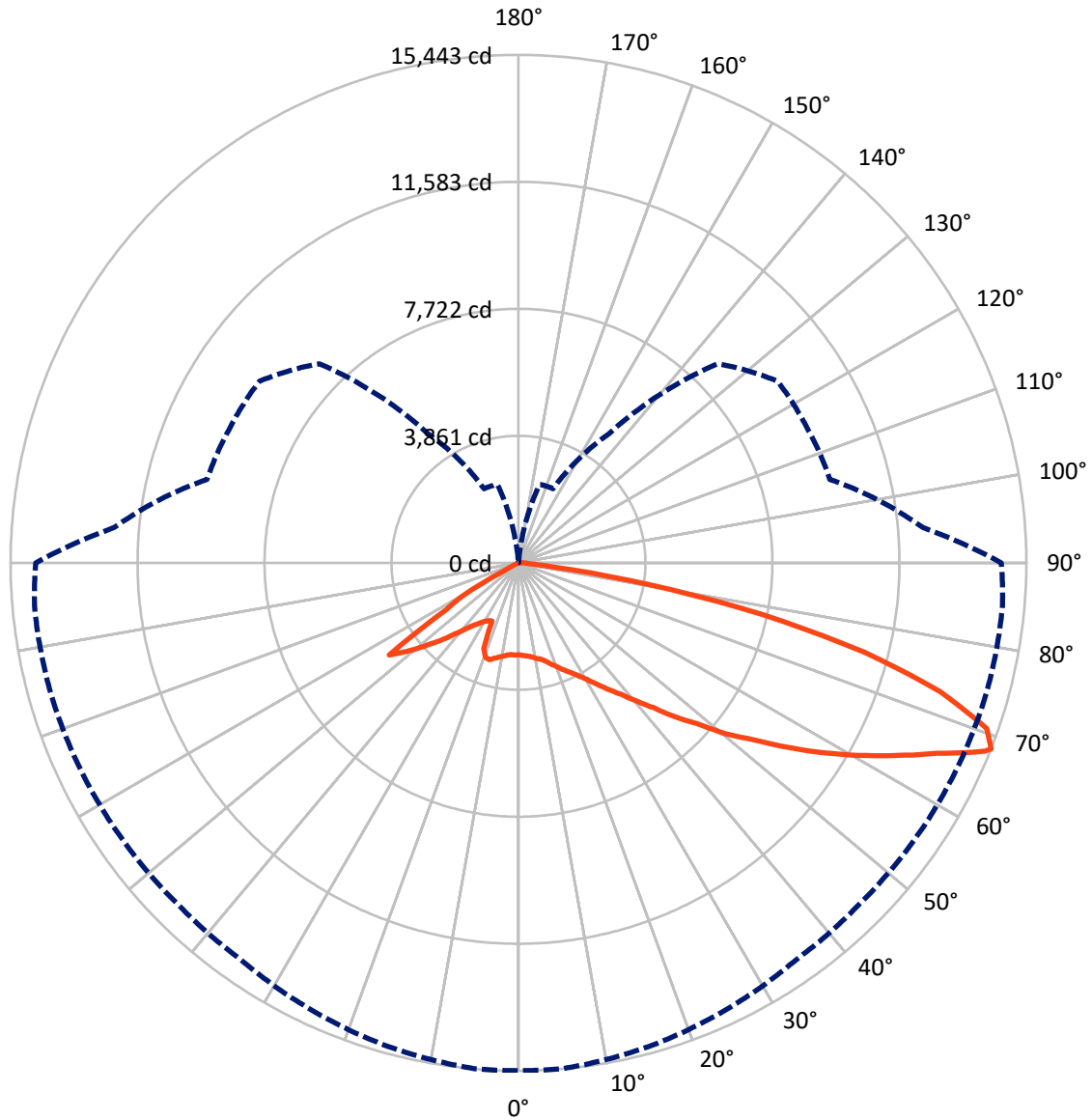
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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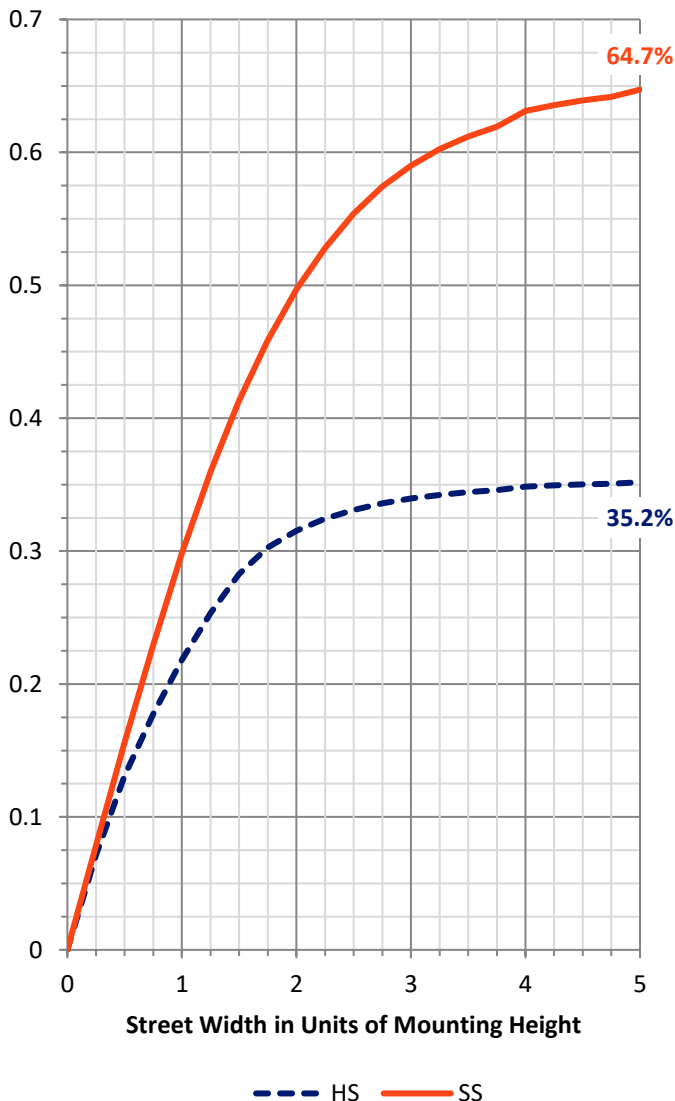
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 12351.7 | 2.1 | 12353.8 |
| | % Fixture | 35.2 | 0.0 | 35.2 |
| Street Side | Lumens | 22733.9 | 9.2 | 22743.1 |
| | % Fixture | 64.8 | 0.0 | 64.8 |
| Total | Lumens | 35085.6 | 11.3 | 35096.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 270.2 | 0.8 |
| 10°-20° | 865.7 | 2.5 |
| 20°-30° | 1545.5 | 4.4 |
| 30°-40° | 2514.2 | 7.2 |
| 40°-50° | 4293.5 | 12.2 |
| 50°-60° | 7164.0 | 20.4 |
| 60°-70° | 9966.5 | 28.4 |
| 70°-80° | 7725.6 | 22.0 |
| 80°-90° | 740.3 | 2.1 |
| 90°-100° | 8.9 | 0.0 |
| 100°-110° | 0.7 | 0.0 |
| 110°-120° | 0.4 | 0.0 |
| 120°-130° | 0.3 | 0.0 |
| 130°-140° | 0.3 | 0.0 |
| 140°-150° | 0.3 | 0.0 |
| 150°-160° | 0.2 | 0.0 |
| 160°-170° | 0.2 | 0.0 |
| 170°-180° | 0.1 | 0.0 |
| 0°-90° | 35085.6 | 100.0 |
| 0°-180° | 35096.9 | 100.0 |

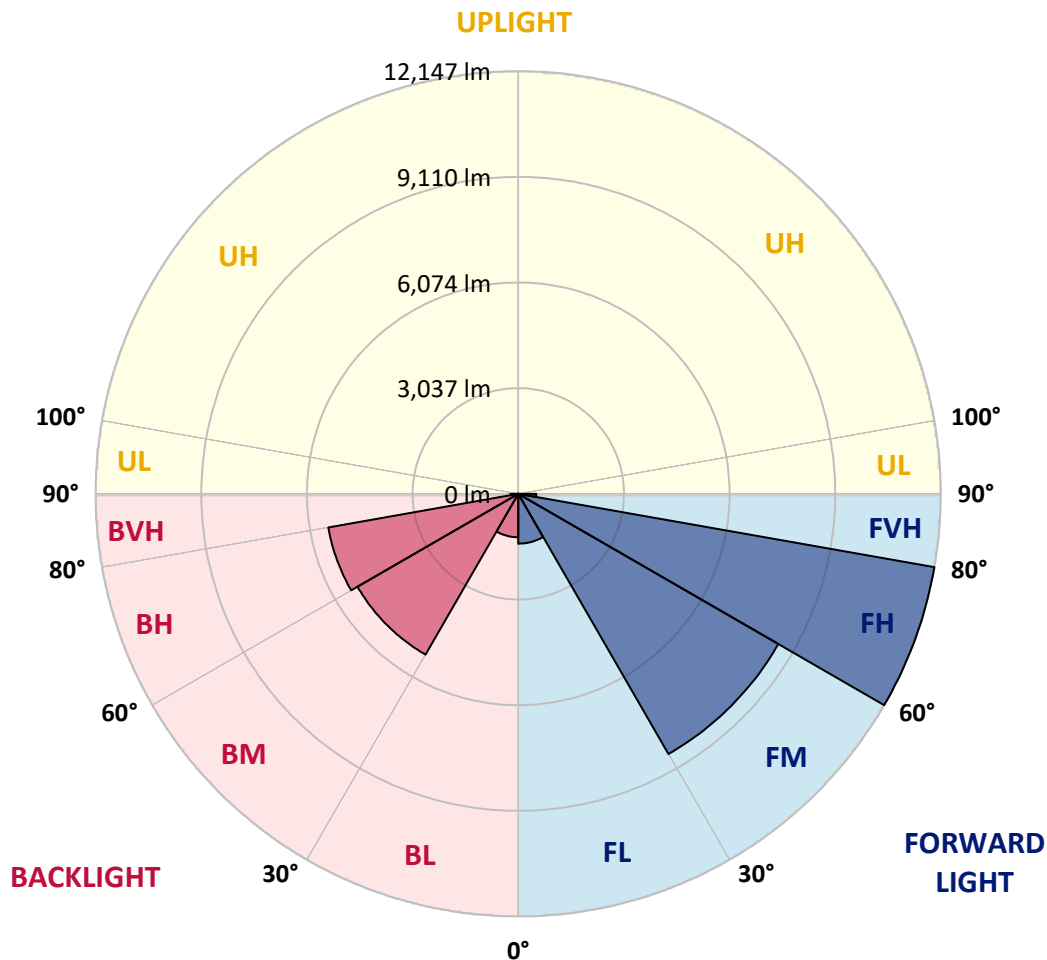


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|-------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 1432.4 | 4.1 | | | |
| FM | (30°-60°) | 8636.3 | 24.6 | | | |
| FH | (60°-80°) | 12147.2 | 34.6 | | | G5 |
| FVH | (80°-90°) | 517.9 | 1.5 | | | G4/750 |
| BL | (0°-30°) | 1249.0 | 3.6 | B3/2500 | | |
| BM | (30°-60°) | 5335.4 | 15.2 | B4/8500 | | |
| BH | (60°-80°) | 5544.9 | 15.8 | B5 | | G5 |
| BVH | (80°-90°) | 222.4 | 0.6 | | | G2/225 |
| UL | (90°-100°) | 8.9 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 2.4 | 0.0 | | U1/10 | |

BUG Rating: B5-U1-G5
 Type IV Short





REPORT NUMBER: P522221

CATALOG NUMBER: CST-CA8-330-727-U-T5R-HSS-HM-EX90

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 |
| 2.5° | 2824.8 | 2820.9 | 2818.2 | 2835.4 | 2786.5 | 2806.3 | 2793.1 | 2810.3 | 2806.3 | 2814.3 | 2815.6 |
| 5° | 2844.6 | 2838.0 | 2828.8 | 2847.3 | 2818.2 | 2831.4 | 2816.9 | 2824.8 | 2799.7 | 2820.9 | 2823.5 |
| 7.5° | 2889.5 | 2871.0 | 2869.7 | 2875.0 | 2855.2 | 2864.4 | 2839.4 | 2848.6 | 2835.4 | 2827.5 | 2835.4 |
| 10° | 2956.9 | 2941.0 | 2923.9 | 2934.4 | 2901.4 | 2913.3 | 2886.9 | 2894.8 | 2888.2 | 2871.0 | 2886.9 |
| 12.5° | 3003.1 | 3008.4 | 2996.5 | 3004.4 | 2975.4 | 2964.8 | 2955.6 | 2954.2 | 2950.3 | 2925.2 | 2921.2 |
| 15° | 3106.1 | 3108.8 | 3087.6 | 3092.9 | 3086.3 | 3081.0 | 3067.8 | 3057.3 | 3036.1 | 3020.3 | 3009.7 |
| 17.5° | 3240.8 | 3226.3 | 3206.5 | 3211.8 | 3230.3 | 3206.5 | 3198.6 | 3178.8 | 3148.4 | 3122.0 | 3116.7 |
| 20° | 3382.1 | 3372.9 | 3354.4 | 3365.0 | 3363.6 | 3347.8 | 3351.8 | 3318.7 | 3275.2 | 3252.7 | 3235.5 |
| 22.5° | 3539.3 | 3526.1 | 3512.9 | 3532.7 | 3516.8 | 3506.3 | 3502.3 | 3479.9 | 3425.7 | 3400.6 | 3396.7 |
| 25° | 3696.4 | 3689.8 | 3699.1 | 3692.5 | 3670.0 | 3662.1 | 3667.4 | 3659.5 | 3596.1 | 3565.7 | 3547.2 |
| 27.5° | 3893.2 | 3877.4 | 3891.9 | 3884.0 | 3860.2 | 3861.5 | 3862.8 | 3864.2 | 3792.8 | 3753.2 | 3726.8 |
| 30° | 4117.7 | 4112.4 | 4130.9 | 4105.8 | 4083.4 | 4097.9 | 4109.8 | 4083.4 | 4021.3 | 3963.2 | 3954.0 |
| 32.5° | 4409.6 | 4376.6 | 4397.7 | 4366.0 | 4331.7 | 4366.0 | 4387.1 | 4334.3 | 4284.1 | 4210.2 | 4223.4 |
| 35° | 4733.1 | 4722.6 | 4722.6 | 4681.6 | 4663.1 | 4717.3 | 4738.4 | 4686.9 | 4609.0 | 4544.3 | 4528.4 |
| 37.5° | 5076.5 | 5087.1 | 5120.1 | 5102.9 | 5085.7 | 5118.8 | 5166.3 | 5097.6 | 4997.3 | 4928.6 | 4910.1 |
| 40° | 5532.1 | 5558.5 | 5581.0 | 5558.5 | 5538.7 | 5559.8 | 5614.0 | 5524.2 | 5454.2 | 5417.2 | 5377.6 |
| 42.5° | 6022.1 | 6067.0 | 6052.4 | 6055.1 | 6072.3 | 6102.6 | 6156.8 | 6074.9 | 5994.3 | 5993.0 | 5934.9 |
| 45° | 6685.0 | 6685.0 | 6654.6 | 6683.7 | 6681.1 | 6756.3 | 6780.1 | 6735.2 | 6667.9 | 6648.0 | 6597.9 |
| 47.5° | 7304.4 | 7369.1 | 7357.2 | 7399.5 | 7366.5 | 7429.9 | 7510.4 | 7472.1 | 7394.2 | 7324.2 | 7313.6 |
| 50° | 8168.1 | 8152.2 | 8136.4 | 8199.8 | 8194.5 | 8238.1 | 8312.0 | 8288.3 | 8180.0 | 8100.7 | 8086.2 |
| 52.5° | 8927.5 | 9010.7 | 8990.8 | 9085.9 | 9033.1 | 9095.2 | 9183.7 | 9179.7 | 9047.6 | 8969.7 | 8947.3 |
| 55° | 9886.2 | 9941.7 | 9937.7 | 10035.5 | 9962.8 | 10044.7 | 10118.7 | 10126.6 | 9982.6 | 9871.7 | 9906.0 |
| 57.5° | 10884.6 | 10930.8 | 10904.4 | 10985.0 | 10913.7 | 11025.9 | 11070.8 | 11041.8 | 10957.3 | 10817.3 | 10868.8 |
| 60° | 11884.3 | 11924.0 | 11954.3 | 11960.9 | 11920.0 | 11986.0 | 12028.3 | 12053.4 | 11920.0 | 11760.2 | 11822.3 |
| 62.5° | 12899.9 | 12944.8 | 12918.4 | 12929.0 | 12815.4 | 12905.2 | 12958.0 | 12964.6 | 12811.4 | 12670.1 | 12713.7 |
| 65° | 13969.6 | 14031.7 | 13936.6 | 13873.2 | 13733.2 | 13731.9 | 13801.9 | 13813.8 | 13705.5 | 13605.1 | 13588.0 |
| 67.5° | 15294.2 | 15321.9 | 15118.6 | 14905.9 | 14669.5 | 14618.0 | 14666.9 | 14694.6 | 14756.7 | 14754.1 | 14676.1 |
| 68° | 15443.4 | 15438.2 | 15232.1 | 14978.6 | 14725.0 | 14665.6 | 14689.4 | 14725.0 | 14766.0 | 14773.9 | 14680.1 |
| 70° | 15104.0 | 15039.3 | 14921.8 | 14602.2 | 14351.3 | 14195.4 | 14112.2 | 14178.3 | 14067.3 | 14068.7 | 13893.0 |
| 72.5° | 13416.3 | 13408.3 | 13191.8 | 13033.3 | 12810.1 | 12551.3 | 12432.4 | 12431.1 | 12441.6 | 12365.0 | 12184.1 |
| 75° | 10867.5 | 10878.0 | 10625.8 | 10516.2 | 10447.5 | 10398.6 | 10423.7 | 10501.6 | 10509.6 | 10508.2 | 10444.9 |
| 77.5° | 7579.1 | 7622.7 | 7555.3 | 7377.0 | 7568.5 | 7732.3 | 8047.9 | 8209.0 | 8157.5 | 8312.0 | 8409.8 |
| 80° | 3972.5 | 4059.6 | 4062.3 | 4187.7 | 4342.2 | 4491.5 | 4763.5 | 5007.8 | 4828.2 | 4749.0 | 4667.1 |
| 82.5° | 1044.6 | 1076.3 | 1123.9 | 1051.2 | 1073.7 | 1096.1 | 1307.4 | 1287.6 | 1188.6 | 1241.4 | 1320.6 |
| 85° | 298.5 | 307.7 | 294.5 | 266.8 | 244.3 | 224.5 | 229.8 | 194.1 | 169.0 | 167.7 | 162.4 |
| 87.5° | 210.0 | 225.8 | 199.4 | 171.7 | 154.5 | 143.9 | 138.7 | 117.5 | 95.1 | 83.2 | 66.0 |
| 90° | 97.7 | 96.4 | 83.2 | 64.7 | 56.8 | 54.1 | 54.1 | 42.3 | 23.8 | 14.5 | 13.2 |
| 92.5° | 40.9 | 42.3 | 34.3 | 27.7 | 23.8 | 18.5 | 14.5 | 9.2 | 5.3 | 2.6 | 1.3 |
| 95° | 14.5 | 15.8 | 13.2 | 10.6 | 9.2 | 7.9 | 6.6 | 5.3 | 2.6 | 1.3 | 1.3 |
| 97.5° | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 2.6 | 2.6 | 1.3 | 1.3 |
| 100° | 0.0 | 0.0 | 0.0 | 1.3 | 2.6 | 2.6 | 2.6 | 2.6 | 1.3 | 1.3 | 1.3 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 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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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 | 1.3 | 1.3 | 1.3 | 1.3 |
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 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 | 0.0 | 1.3 | 1.3 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 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 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 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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CATALOG NUMBER: CST-CA8-330-727-U-T5R-HSS-HM-EX90

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 | 2793.1 |
| 2.5° | 2812.9 | 2806.3 | 2803.7 | 2770.7 | 2779.9 | 2760.1 | 2806.3 | 2793.1 | 2790.5 | 2809.0 |
| 5° | 2819.5 | 2789.2 | 2807.7 | 2786.5 | 2791.8 | 2762.8 | 2799.7 | 2783.9 | 2785.2 | 2794.5 |
| 7.5° | 2823.5 | 2806.3 | 2824.8 | 2787.8 | 2802.4 | 2791.8 | 2818.2 | 2802.4 | 2818.2 | 2826.1 |
| 10° | 2863.1 | 2855.2 | 2842.0 | 2831.4 | 2842.0 | 2816.9 | 2849.9 | 2847.3 | 2856.5 | 2880.3 |
| 12.5° | 2917.3 | 2908.0 | 2894.8 | 2876.3 | 2884.3 | 2875.0 | 2900.1 | 2902.7 | 2919.9 | 2931.8 |
| 15° | 2997.8 | 2985.9 | 2979.3 | 2960.9 | 2963.5 | 2956.9 | 2971.4 | 2974.1 | 3008.4 | 3004.4 |
| 17.5° | 3111.4 | 3098.2 | 3103.5 | 3086.3 | 3079.7 | 3063.9 | 3037.4 | 3028.2 | 3069.1 | 3081.0 |
| 20° | 3235.5 | 3221.0 | 3227.6 | 3213.1 | 3090.3 | 2840.7 | 3008.4 | 3123.3 | 3036.1 | 3029.5 |
| 22.5° | 3376.8 | 3361.0 | 3366.3 | 3343.8 | 3192.0 | 2724.5 | 2370.5 | 2341.5 | 2674.3 | 2809.0 |
| 25° | 3532.7 | 3511.6 | 3508.9 | 3479.9 | 2980.7 | 2466.9 | 2427.3 | 2375.8 | 2132.8 | 1940.0 |
| 27.5° | 3725.5 | 3693.8 | 3678.0 | 3239.5 | 2959.5 | 2563.3 | 2503.9 | 2320.3 | 1967.7 | 1979.6 |
| 30° | 3934.2 | 3887.9 | 3590.8 | 3301.6 | 3114.0 | 2676.9 | 2597.7 | 2033.8 | 2036.4 | 2031.1 |
| 32.5° | 4171.9 | 4068.9 | 3518.2 | 3491.7 | 3298.9 | 2798.4 | 2156.6 | 2132.8 | 2135.5 | 2143.4 |
| 35° | 4483.5 | 3777.0 | 3762.5 | 3763.8 | 3524.8 | 2707.3 | 2284.7 | 2262.2 | 2264.9 | 2270.2 |
| 37.5° | 4549.6 | 4071.5 | 4074.1 | 4043.8 | 3765.1 | 2473.5 | 2440.5 | 2439.2 | 2433.9 | 2428.6 |
| 40° | 4602.4 | 4442.6 | 4404.3 | 4355.4 | 3490.4 | 2663.7 | 2653.1 | 2645.2 | 2649.2 | 2659.7 |
| 42.5° | 5015.7 | 4895.6 | 4858.6 | 4800.5 | 3580.2 | 2951.6 | 2917.3 | 2908.0 | 2918.6 | 2913.3 |
| 45° | 5565.1 | 5464.8 | 5392.1 | 4438.6 | 3955.3 | 3264.6 | 3236.9 | 3225.0 | 3228.9 | 3262.0 |
| 47.5° | 6146.2 | 6086.8 | 5864.9 | 4795.2 | 4392.4 | 3634.4 | 3606.6 | 3588.1 | 3594.8 | 3586.8 |
| 50° | 6778.8 | 6724.6 | 5429.1 | 5332.7 | 4875.8 | 4033.2 | 3992.3 | 3985.7 | 3988.3 | 3987.0 |
| 52.5° | 7465.5 | 6333.7 | 6016.8 | 5916.4 | 5385.5 | 4450.5 | 4436.0 | 4400.3 | 4408.3 | 4400.3 |
| 55° | 8271.1 | 6671.8 | 6663.9 | 6546.4 | 5958.7 | 4935.2 | 4918.0 | 4867.8 | 4552.2 | 4828.2 |
| 57.5° | 9035.7 | 7317.6 | 7317.6 | 7204.0 | 6545.0 | 5417.2 | 5389.5 | 5352.5 | 3235.5 | 2609.6 |
| 60° | 9873.0 | 7964.7 | 7946.2 | 7852.5 | 7110.3 | 5876.8 | 4776.7 | 4766.1 | 1954.5 | 1961.1 |
| 62.5° | 10596.7 | 8541.8 | 8574.8 | 8487.7 | 7654.4 | 4400.3 | 2213.4 | 2168.5 | 192.8 | 297.1 |
| 65° | 11407.6 | 9179.7 | 9219.3 | 9129.5 | 8243.4 | 4667.1 | 2402.2 | 2379.8 | 43.6 | 39.6 |
| 67.5° | 12326.8 | 9816.2 | 9726.4 | 9627.4 | 8588.0 | 4805.8 | 2496.0 | 2476.2 | 11.9 | 7.9 |
| 68° | 12334.7 | 9803.0 | 9686.8 | 9619.5 | 8555.0 | 4779.4 | 2488.1 | 2469.6 | 11.9 | 7.9 |
| 70° | 11700.8 | 9309.1 | 9192.9 | 9210.1 | 8145.6 | 4570.7 | 2385.1 | 2350.7 | 11.9 | 7.9 |
| 72.5° | 10265.2 | 8284.3 | 8153.6 | 8061.1 | 7223.8 | 4063.6 | 2138.1 | 2073.4 | 11.9 | 7.9 |
| 75° | 8783.5 | 7020.5 | 6803.9 | 6600.5 | 5812.1 | 3325.3 | 1753.8 | 1681.2 | 11.9 | 7.9 |
| 77.5° | 6922.7 | 5351.2 | 5043.5 | 4910.1 | 4367.3 | 2456.4 | 1303.5 | 1224.2 | 11.9 | 6.6 |
| 80° | 3825.9 | 3070.5 | 2809.0 | 2727.1 | 2497.3 | 1443.4 | 747.5 | 699.9 | 10.6 | 6.6 |
| 82.5° | 989.2 | 742.2 | 647.1 | 624.7 | 586.4 | 342.0 | 182.2 | 173.0 | 9.2 | 5.3 |
| 85° | 141.3 | 104.3 | 114.9 | 136.0 | 130.7 | 88.5 | 63.4 | 54.1 | 7.9 | 4.0 |
| 87.5° | 74.0 | 62.1 | 72.6 | 81.9 | 83.2 | 51.5 | 26.4 | 14.5 | 4.0 | 0.0 |
| 90° | 11.9 | 11.9 | 13.2 | 14.5 | 14.5 | 6.6 | 5.3 | 0.0 | 0.0 | 0.0 |
| 92.5° | 1.3 | 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 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 1.3 | 2.6 | 1.3 | 1.3 | 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 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112.5° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 1.3 | 1.3 | 1.3 | 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)