

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: McGRAW-EDISON

Report Number: P510685

Luminaire Tested: **CTN-CA6-230-760-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-151-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: CTN-CA6-230-760-U-T1
Description: CELESTEON HIGH MAST LUMINAIRE
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35685 lumens
Efficiency: N/A
Efficacy: 156.7 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

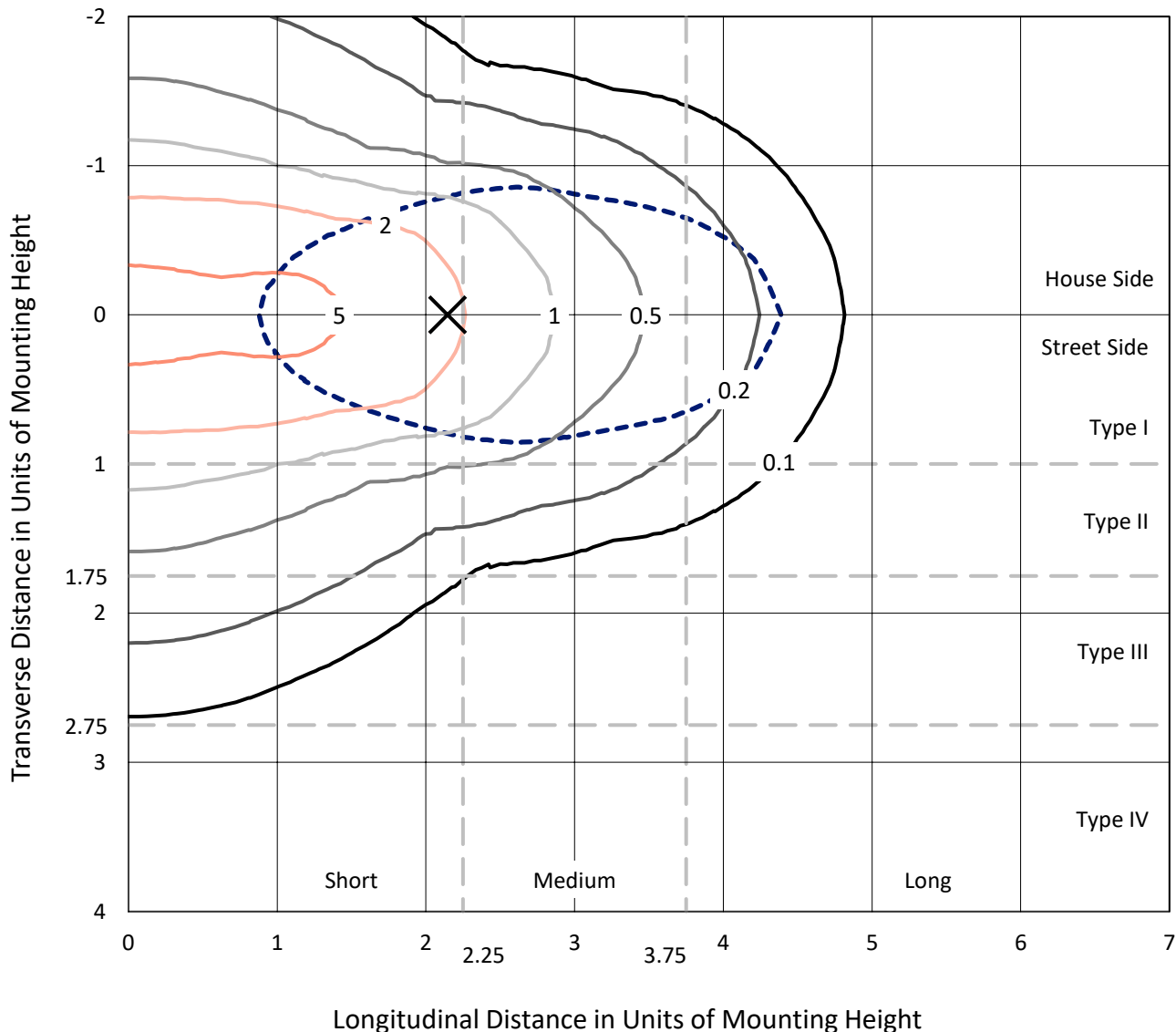
Input Watts (W): 227.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

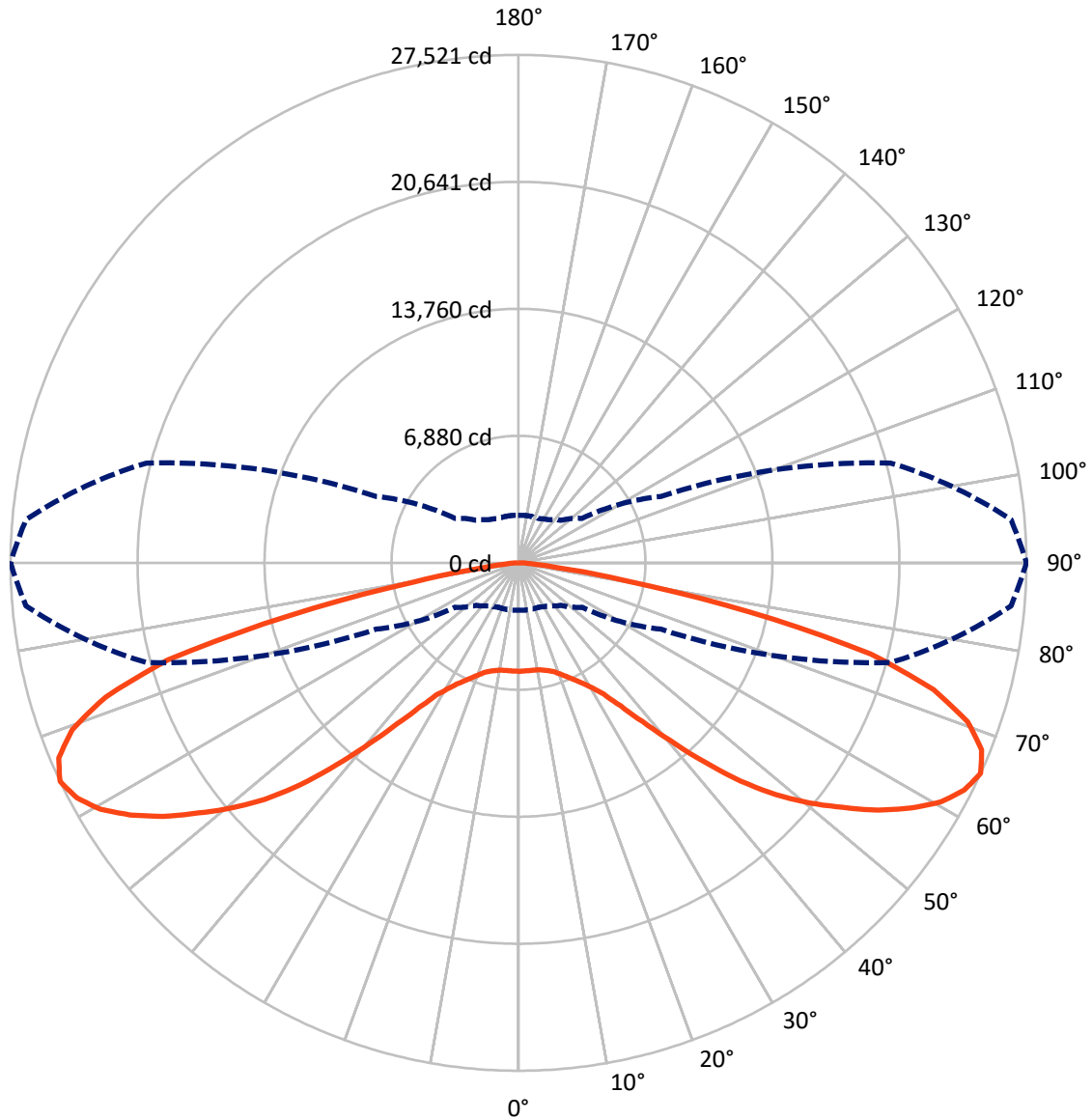
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 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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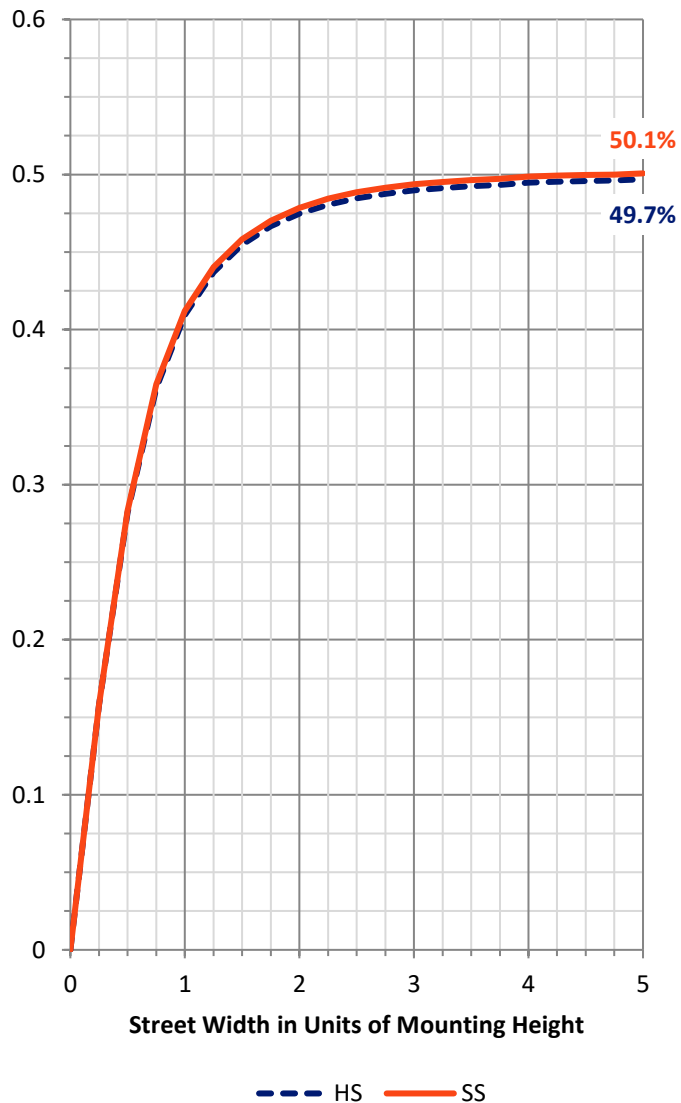
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 17842.5 | 0.0 | 17842.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 17842.5 | 0.0 | 17842.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 35685.0 | 0.0 | 35685.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 557.9 | 1.6 |
| 10°-20° | 1646.4 | 4.6 |
| 20°-30° | 2712.0 | 7.6 |
| 30°-40° | 3973.4 | 11.1 |
| 40°-50° | 5875.1 | 16.5 |
| 50°-60° | 7706.6 | 21.6 |
| 60°-70° | 8040.1 | 22.5 |
| 70°-80° | 4622.6 | 13.0 |
| 80°-90° | 551.1 | 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° | 35685.0 | 100.0 |
| 0°-180° | 35685.0 | 100.0 |

Coefficient of Utilization

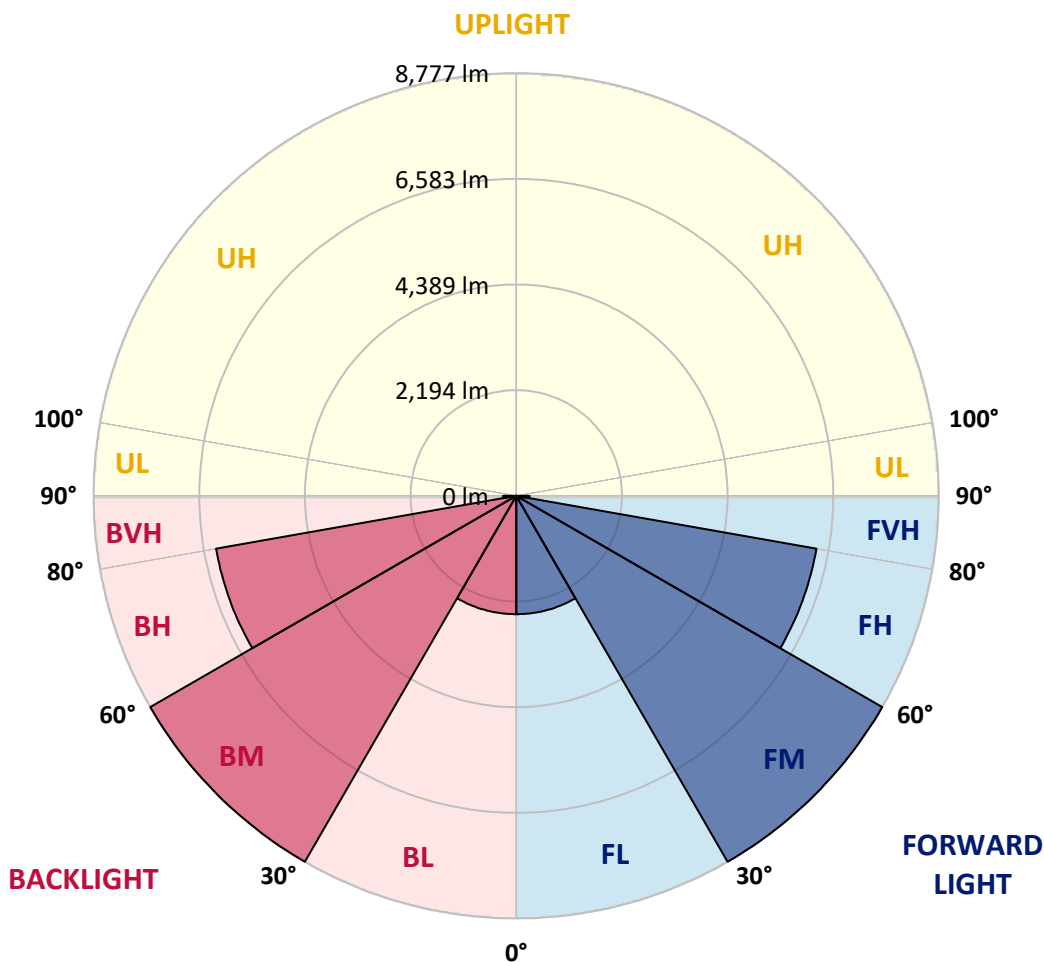


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2458.1 | 6.9 | | | |
| FM (30°-60°) | 8777.5 | 24.6 | | | |
| FH (60°-80°) | 6331.4 | 17.7 | | | G3/7500 |
| FVH (80°-90°) | 275.5 | 0.8 | | | G3/500 |
| BL (0°-30°) | 2458.1 | 6.9 | B3/2500 | | |
| BM (30°-60°) | 8777.5 | 24.6 | B5 | | |
| BH (60°-80°) | 6331.4 | 17.7 | B5 | | G5 |
| BVH (80°-90°) | 275.5 | 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





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CATALOG NUMBER: CTN-CA6-230-760-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 |
| 2.5° | 5877.6 | 5873.4 | 5872.0 | 5869.9 | 5873.4 | 5876.2 | 5883.2 | 5889.5 | 5888.1 | 5886.7 | 5888.1 |
| 5° | 5844.8 | 5846.9 | 5847.6 | 5848.3 | 5851.1 | 5853.2 | 5863.0 | 5872.7 | 5871.3 | 5869.9 | 5876.9 |
| 7.5° | 5798.8 | 5798.8 | 5797.4 | 5796.0 | 5801.6 | 5806.5 | 5816.2 | 5826.0 | 5833.7 | 5840.6 | 5851.8 |
| 10° | 5731.8 | 5729.0 | 5728.3 | 5727.6 | 5733.9 | 5739.5 | 5757.6 | 5775.8 | 5791.1 | 5805.8 | 5824.6 |
| 12.5° | 5650.2 | 5649.5 | 5650.9 | 5652.3 | 5665.6 | 5678.8 | 5709.5 | 5740.2 | 5770.9 | 5801.6 | 5828.8 |
| 15° | 5553.3 | 5544.9 | 5551.9 | 5558.2 | 5579.8 | 5600.7 | 5660.0 | 5719.3 | 5766.0 | 5812.0 | 5865.0 |
| 17.5° | 5405.4 | 5397.0 | 5407.5 | 5417.3 | 5460.5 | 5503.8 | 5587.5 | 5670.5 | 5758.3 | 5846.2 | 5922.2 |
| 20° | 5181.5 | 5181.5 | 5208.0 | 5234.5 | 5307.8 | 5381.0 | 5496.1 | 5610.5 | 5729.0 | 5847.6 | 5957.8 |
| 22.5° | 4943.0 | 4936.0 | 4992.5 | 5049.0 | 5136.9 | 5224.1 | 5369.1 | 5514.2 | 5671.2 | 5827.4 | 5978.7 |
| 25° | 4673.8 | 4685.6 | 4756.8 | 4827.2 | 4950.7 | 5073.4 | 5252.0 | 5429.8 | 5627.2 | 5824.6 | 6034.5 |
| 27.5° | 4446.4 | 4448.5 | 4534.3 | 4620.1 | 4774.9 | 4929.0 | 5146.0 | 5362.9 | 5603.5 | 5844.1 | 6108.5 |
| 30° | 4211.3 | 4249.7 | 4340.4 | 4430.3 | 4603.3 | 4776.3 | 5038.5 | 5300.1 | 5585.4 | 5870.6 | 6192.9 |
| 32.5° | 4030.7 | 4039.8 | 4142.3 | 4244.1 | 4424.8 | 4605.4 | 4910.2 | 5215.0 | 5557.5 | 5899.9 | 6291.9 |
| 35° | 3860.5 | 3875.2 | 3970.7 | 4066.3 | 4254.6 | 4442.2 | 4776.3 | 5109.7 | 5519.1 | 5927.8 | 6399.3 |
| 37.5° | 3709.2 | 3727.3 | 3818.0 | 3908.6 | 4090.0 | 4271.3 | 4625.6 | 4980.0 | 5459.8 | 5939.7 | 6517.2 |
| 40° | 3598.3 | 3613.6 | 3690.3 | 3767.1 | 3931.0 | 4094.2 | 4465.2 | 4835.6 | 5376.8 | 5918.1 | 6609.9 |
| 42.5° | 3518.1 | 3525.0 | 3587.1 | 3649.2 | 3795.6 | 3942.1 | 4309.7 | 4676.6 | 5268.7 | 5860.9 | 6681.8 |
| 45° | 3409.2 | 3424.6 | 3486.0 | 3546.6 | 3678.5 | 3809.6 | 4145.8 | 4482.0 | 5108.3 | 5733.9 | 6682.5 |
| 47.5° | 3328.3 | 3338.1 | 3396.0 | 3453.2 | 3575.9 | 3698.7 | 4000.7 | 4302.7 | 4926.9 | 5550.5 | 6607.2 |
| 50° | 3269.1 | 3264.2 | 3317.9 | 3370.9 | 3474.8 | 3578.0 | 3847.3 | 4115.8 | 4702.4 | 5288.9 | 6418.8 |
| 52.5° | 3184.7 | 3190.2 | 3233.5 | 3276.7 | 3366.7 | 3456.0 | 3697.3 | 3937.9 | 4453.4 | 4968.1 | 6113.3 |
| 55° | 3071.7 | 3097.5 | 3133.7 | 3169.3 | 3248.1 | 3326.9 | 3543.9 | 3760.8 | 4204.4 | 4647.3 | 5720.0 |
| 57.5° | 2960.8 | 2979.6 | 3010.3 | 3041.0 | 3103.1 | 3164.4 | 3368.8 | 3573.2 | 3942.1 | 4311.1 | 5223.4 |
| 60° | 2870.1 | 2875.0 | 2894.5 | 2913.3 | 2960.8 | 3008.2 | 3177.0 | 3345.8 | 3668.0 | 3989.5 | 4728.2 |
| 62.5° | 2752.9 | 2754.3 | 2767.6 | 2780.8 | 2810.1 | 2838.7 | 2971.2 | 3103.1 | 3377.9 | 3652.7 | 4235.8 |
| 65° | 2569.5 | 2580.6 | 2593.2 | 2605.1 | 2624.6 | 2643.4 | 2744.6 | 2845.7 | 3051.4 | 3257.2 | 3727.3 |
| 67.5° | 2384.0 | 2374.2 | 2388.8 | 2403.5 | 2406.3 | 2409.1 | 2485.8 | 2562.5 | 2731.3 | 2900.1 | 3278.1 |
| 70° | 2082.0 | 2089.6 | 2088.2 | 2086.1 | 2074.3 | 2061.7 | 2115.4 | 2169.1 | 2258.4 | 2347.0 | 2620.4 |
| 72.5° | 1596.5 | 1586.1 | 1559.5 | 1532.3 | 1519.8 | 1507.2 | 1570.0 | 1632.1 | 1697.6 | 1763.2 | 1960.6 |
| 75° | 975.8 | 1005.8 | 1060.9 | 1115.3 | 1136.2 | 1157.1 | 1153.6 | 1149.4 | 1143.9 | 1138.3 | 1384.5 |
| 77.5° | 661.2 | 677.2 | 689.8 | 701.7 | 732.3 | 762.3 | 797.2 | 832.1 | 831.4 | 830.7 | 985.5 |
| 80° | 420.6 | 408.0 | 413.6 | 419.2 | 436.6 | 454.1 | 507.1 | 559.4 | 574.0 | 588.0 | 694.7 |
| 82.5° | 263.6 | 265.7 | 272.7 | 279.0 | 259.5 | 239.9 | 281.1 | 321.5 | 356.4 | 390.6 | 440.1 |
| 85° | 170.9 | 193.9 | 190.4 | 186.9 | 163.9 | 140.9 | 177.2 | 213.4 | 230.2 | 246.2 | 265.0 |
| 87.5° | 55.1 | 64.2 | 66.3 | 67.7 | 67.7 | 67.0 | 74.6 | 82.3 | 85.1 | 87.2 | 94.2 |
| 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: CTN-CA6-230-760-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 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 | 5879.0 |
| 2.5° | 5888.8 | 5881.8 | 5874.8 | 5872.7 | 5870.6 | 5869.2 | 5867.8 | 5866.4 |
| 5° | 5883.2 | 5881.8 | 5880.4 | 5874.8 | 5869.2 | 5868.5 | 5867.8 | 5869.9 |
| 7.5° | 5863.0 | 5863.0 | 5863.0 | 5869.2 | 5875.5 | 5872.7 | 5869.2 | 5873.4 |
| 10° | 5842.7 | 5859.5 | 5876.2 | 5881.1 | 5886.0 | 5889.5 | 5892.9 | 5896.4 |
| 12.5° | 5856.0 | 5884.6 | 5912.5 | 5928.5 | 5944.6 | 5952.9 | 5960.6 | 5962.7 |
| 15° | 5918.1 | 5954.3 | 5990.6 | 6012.2 | 6033.1 | 6047.1 | 6061.0 | 6064.5 |
| 17.5° | 5998.3 | 6054.1 | 6109.2 | 6140.6 | 6171.9 | 6188.0 | 6203.3 | 6198.4 |
| 20° | 6067.3 | 6144.0 | 6220.8 | 6287.7 | 6354.7 | 6391.6 | 6427.9 | 6432.1 |
| 22.5° | 6129.4 | 6258.4 | 6387.5 | 6473.9 | 6559.7 | 6625.3 | 6690.9 | 6697.8 |
| 25° | 6243.8 | 6412.6 | 6581.4 | 6719.5 | 6857.6 | 6917.5 | 6976.8 | 7011.7 |
| 27.5° | 6372.1 | 6598.1 | 6824.1 | 7008.9 | 7193.7 | 7285.1 | 7375.8 | 7380.7 |
| 30° | 6514.4 | 6801.1 | 7087.0 | 7335.3 | 7582.9 | 7694.5 | 7805.4 | 7864.0 |
| 32.5° | 6683.2 | 7047.3 | 7410.6 | 7737.1 | 8063.5 | 8233.0 | 8402.5 | 8461.7 |
| 35° | 6870.1 | 7342.3 | 7813.8 | 8263.7 | 8712.8 | 9037.2 | 9361.5 | 9517.7 |
| 37.5° | 7094.7 | 7695.9 | 8297.1 | 8973.0 | 9648.8 | 10201.9 | 10754.3 | 10912.0 |
| 40° | 7301.8 | 8075.3 | 8848.1 | 9786.9 | 10725.7 | 11603.2 | 12479.9 | 12650.8 |
| 42.5° | 7502.7 | 8438.7 | 9374.7 | 10655.3 | 11935.9 | 13110.4 | 14284.9 | 14729.2 |
| 45° | 7630.4 | 8762.4 | 9893.7 | 11582.2 | 13270.8 | 14883.4 | 16495.2 | 16868.4 |
| 47.5° | 7663.1 | 8993.2 | 10323.3 | 12415.0 | 14506.7 | 16404.6 | 18301.7 | 18780.8 |
| 50° | 7548.7 | 9113.2 | 10677.6 | 13438.2 | 16198.1 | 18130.8 | 20062.8 | 20456.2 |
| 52.5° | 7258.6 | 9074.8 | 10891.0 | 14231.2 | 17571.4 | 19617.1 | 21662.8 | 22019.9 |
| 55° | 6792.7 | 8841.9 | 10891.0 | 14884.1 | 18876.4 | 20998.1 | 23119.1 | 23661.8 |
| 57.5° | 6135.7 | 8396.9 | 10658.1 | 15320.0 | 19981.9 | 22286.3 | 24590.8 | 25078.3 |
| 60° | 5466.8 | 7867.5 | 10267.5 | 15560.6 | 20853.7 | 23294.9 | 25736.0 | 26305.2 |
| 62.5° | 4818.1 | 7148.4 | 9478.0 | 15308.1 | 21138.3 | 23715.5 | 26291.9 | 27110.8 |
| 65° | 4197.4 | 6349.8 | 8502.2 | 14692.3 | 20881.6 | 23834.7 | 26787.1 | 27520.9 |
| 67.5° | 3656.2 | 5682.3 | 7708.5 | 13660.0 | 19611.5 | 22879.9 | 26147.6 | 27061.9 |
| 70° | 2893.8 | 4758.2 | 6622.5 | 11829.8 | 17037.2 | 20864.9 | 24692.6 | 25821.1 |
| 72.5° | 2158.0 | 3739.2 | 5319.6 | 9305.7 | 13291.7 | 17693.5 | 22094.5 | 23514.6 |
| 75° | 1630.0 | 2986.6 | 4343.2 | 7355.5 | 10367.9 | 14094.5 | 17821.1 | 19721.7 |
| 77.5° | 1140.4 | 2158.0 | 3174.9 | 5422.2 | 7669.4 | 9732.5 | 11795.7 | 12808.4 |
| 80° | 800.7 | 1365.0 | 1928.5 | 3009.6 | 4090.0 | 5005.1 | 5919.5 | 5846.9 |
| 82.5° | 488.9 | 726.1 | 962.5 | 1305.7 | 1648.8 | 1869.9 | 2091.0 | 2081.3 |
| 85° | 283.9 | 345.2 | 405.9 | 502.9 | 599.8 | 709.3 | 818.8 | 728.2 |
| 87.5° | 100.4 | 100.4 | 100.4 | 115.1 | 129.7 | 178.6 | 227.4 | 239.9 |
| 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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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)