

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: P579438

Luminaire Tested: **CTN-CA10-630-730-U-T5-HSS-HM-EX90**

Issue Date: 11/18/2021

Test Information

Test Method: LM-79-08
Report Number: P579438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/18/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: CTN-CA10-630-730-U-T5-HSS-HM-EX90
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD
Light Source: (10) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73142 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Circular (Dia: 2.08' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U2 - G5

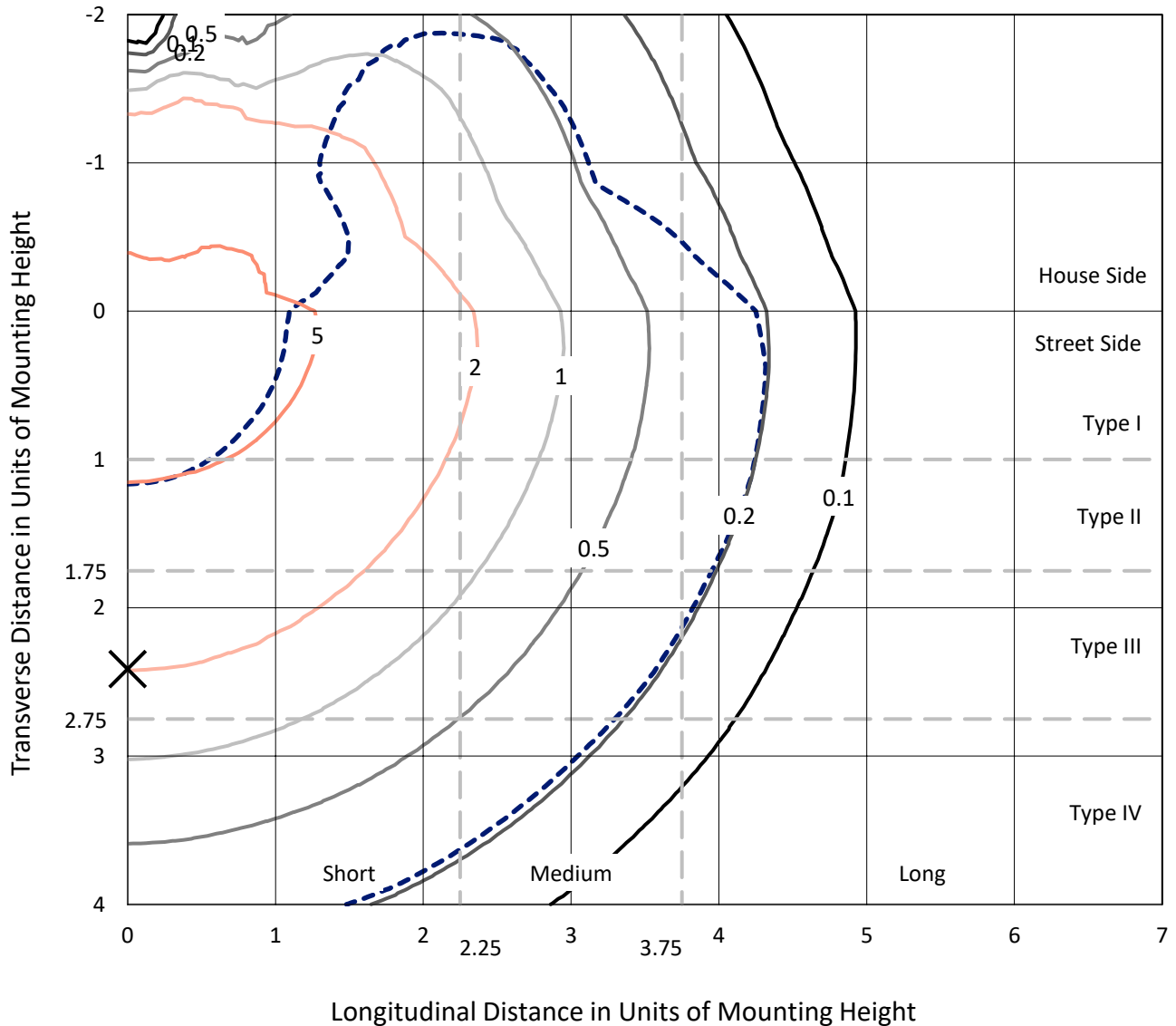
Input Watts (W): 631.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P579438
 CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

Iso-Footcandle Lines of Horizontal Illumination

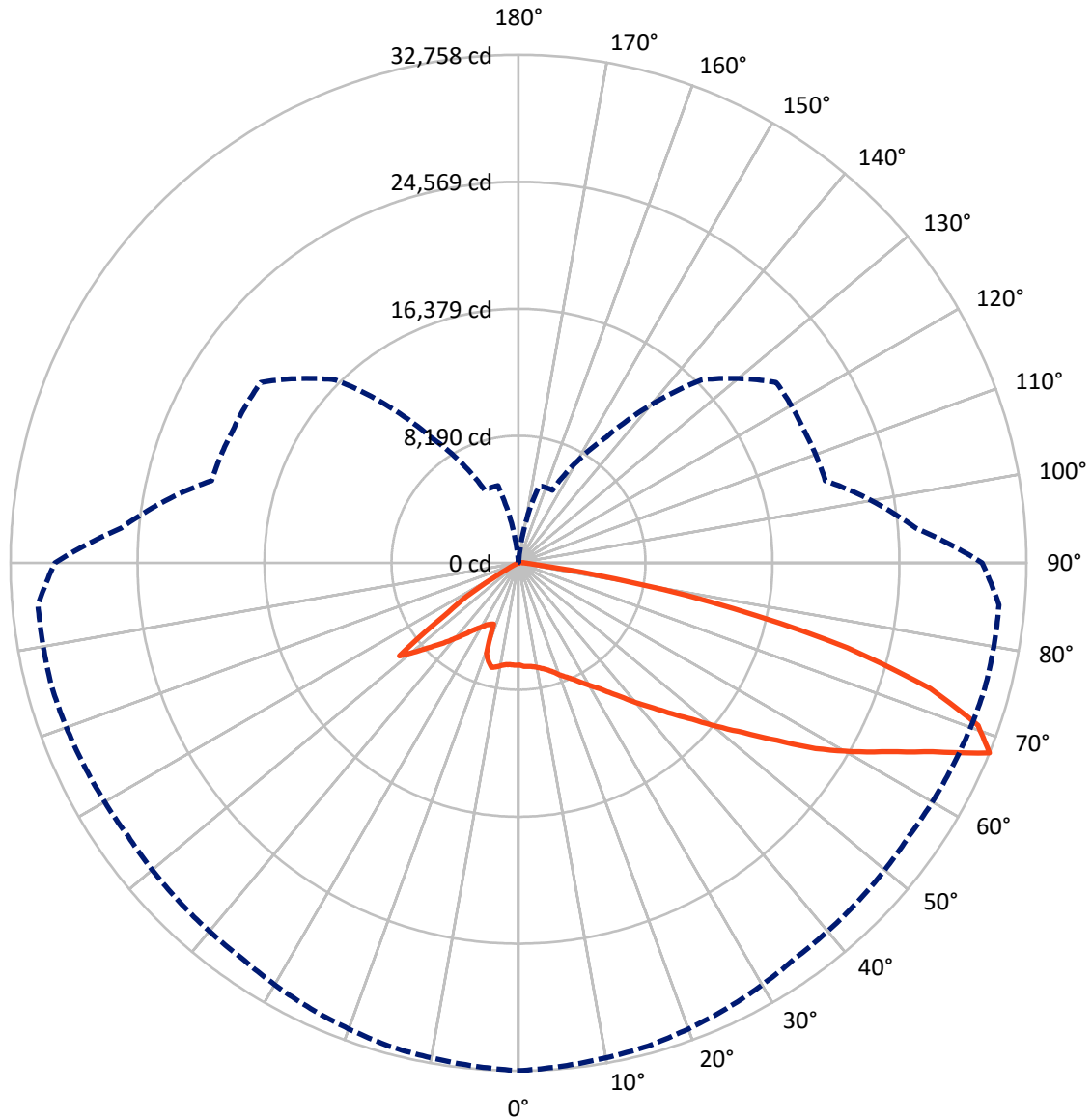
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P579438
CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P579438
 CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

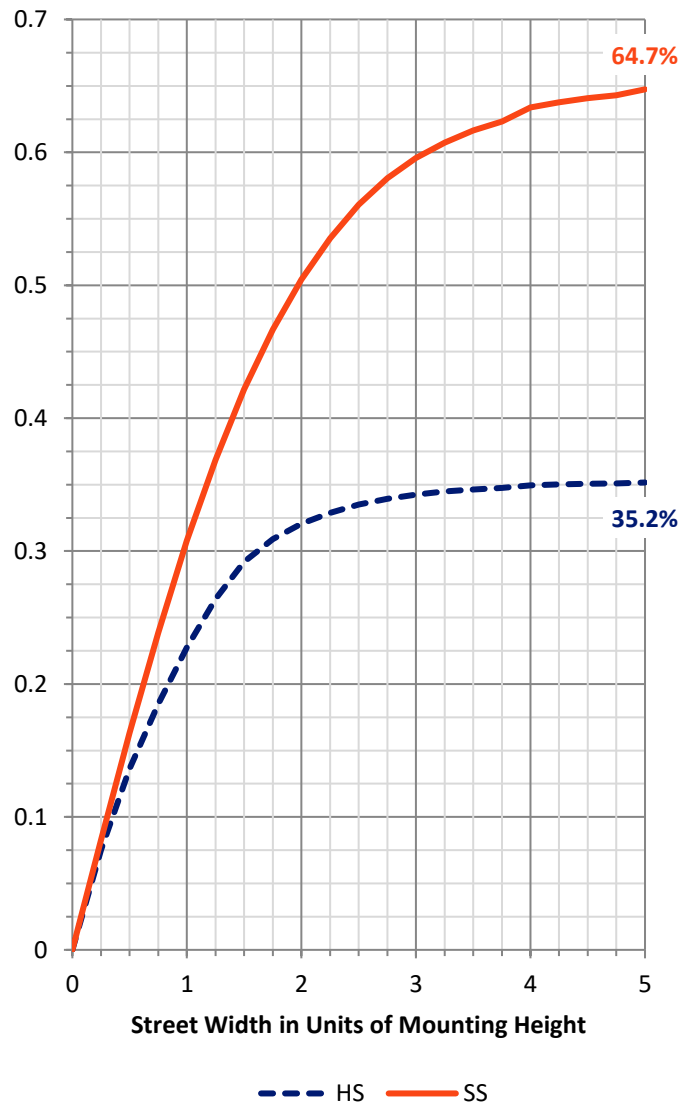
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 25745.9 | 1.5 | 25747.4 |
| | % Fixture | 35.2 | 0.0 | 35.2 |
| Street Side | Lumens | 47343.0 | 51.6 | 47394.6 |
| | % Fixture | 64.7 | 0.1 | 64.8 |
| Total | Lumens | 73088.9 | 53.1 | 73142.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 634.1 | 0.9 |
| 10°-20° | 1969.9 | 2.7 |
| 20°-30° | 3415.3 | 4.7 |
| 30°-40° | 5604.0 | 7.7 |
| 40°-50° | 9347.5 | 12.8 |
| 50°-60° | 15127.8 | 20.7 |
| 60°-70° | 20881.2 | 28.5 |
| 70°-80° | 15064.9 | 20.6 |
| 80°-90° | 1044.2 | 1.4 |
| 90°-100° | 45.3 | 0.1 |
| 100°-110° | 7.6 | 0.0 |
| 110°-120° | 0.3 | 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° | 73088.9 | 99.9 |
| 0°-180° | 73142.0 | 100.0 |

Coefficient of Utilization

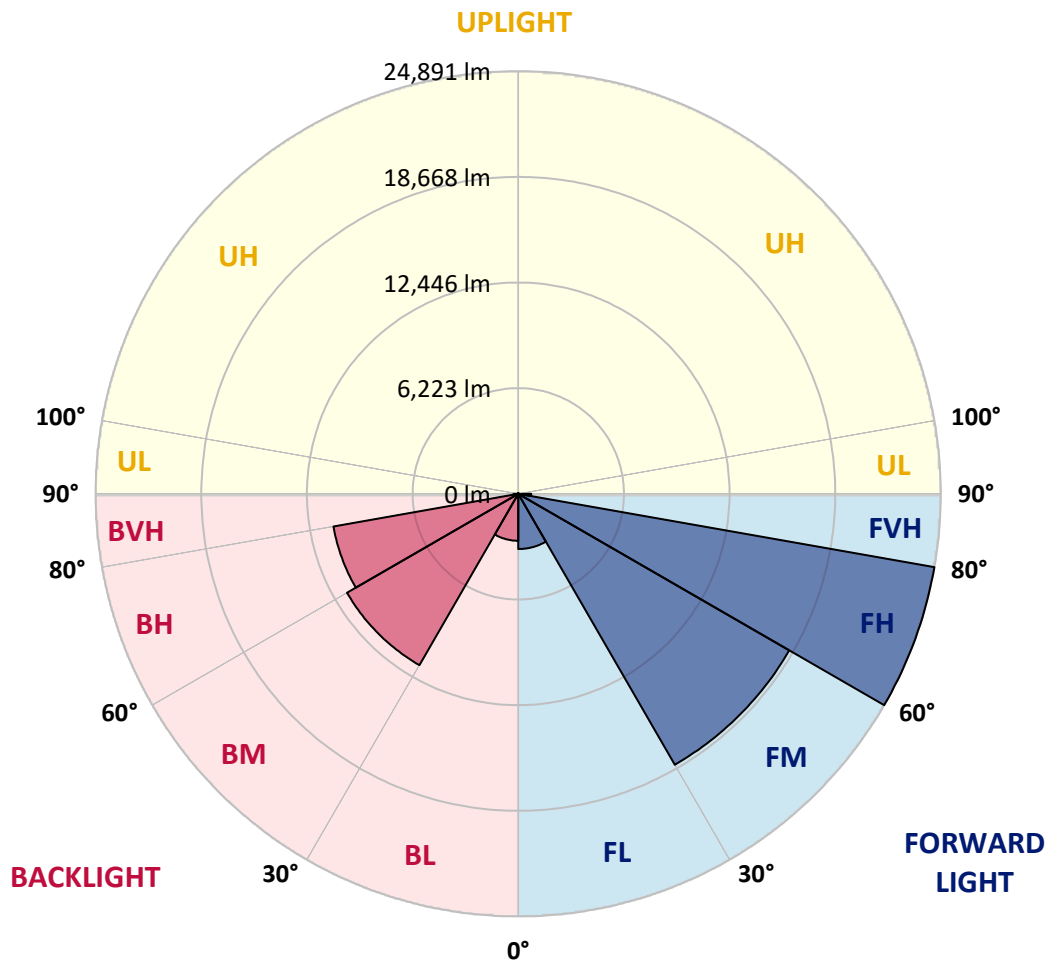


REPORT NUMBER: P579438
 CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|-------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 3252.5 | 4.4 | | | |
| FM | (30°-60°) | 18429.9 | 25.2 | | | |
| FH | (60°-80°) | 24891.2 | 34.0 | | | G5 |
| FVH | (80°-90°) | 769.4 | 1.1 | | | G5 |
| BL | (0°-30°) | 2766.7 | 3.8 | B4/5000 | | |
| BM | (30°-60°) | 11649.4 | 15.9 | B5 | | |
| BH | (60°-80°) | 11055.0 | 15.1 | B5 | | G5 |
| BVH | (80°-90°) | 274.8 | 0.4 | | | G3/500 |
| UL | (90°-100°) | 45.3 | 0.1 | | U2/50 | |
| UH | (100°-180°) | 7.8 | 0.0 | | U1/10 | |

BUG Rating: B5-U2-G5
 Type IV Short





REPORT NUMBER: P579438

CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 |
| 2.5° | 6692.2 | 6653.0 | 6655.8 | 6695.0 | 6588.6 | 6627.8 | 6583.0 | 6622.2 | 6602.6 | 6616.6 | 6633.4 |
| 5° | 6711.8 | 6664.2 | 6669.8 | 6717.4 | 6633.4 | 6664.2 | 6611.0 | 6633.4 | 6616.6 | 6633.4 | 6636.2 |
| 7.5° | 6762.2 | 6714.6 | 6717.4 | 6753.8 | 6667.0 | 6689.4 | 6639.0 | 6650.2 | 6622.2 | 6653.0 | 6644.6 |
| 10° | 6868.6 | 6823.8 | 6807.0 | 6837.8 | 6762.2 | 6765.0 | 6706.2 | 6717.4 | 6675.4 | 6717.4 | 6700.6 |
| 12.5° | 7011.4 | 6949.8 | 6955.4 | 6972.2 | 6879.8 | 6885.4 | 6815.4 | 6832.2 | 6762.2 | 6821.0 | 6801.4 |
| 15° | 7185.0 | 7109.4 | 7117.8 | 7145.8 | 7056.2 | 7047.8 | 6983.4 | 6983.4 | 6921.8 | 6966.6 | 6947.0 |
| 17.5° | 7425.8 | 7341.8 | 7336.2 | 7355.8 | 7283.0 | 7283.0 | 7210.2 | 7201.8 | 7140.2 | 7176.6 | 7171.0 |
| 20° | 7739.4 | 7644.2 | 7627.4 | 7663.8 | 7571.4 | 7582.6 | 7490.2 | 7481.8 | 7414.6 | 7437.0 | 7439.8 |
| 22.5° | 8022.2 | 7946.6 | 7943.8 | 7999.8 | 7890.6 | 7904.6 | 7820.6 | 7798.2 | 7742.2 | 7773.0 | 7781.4 |
| 25° | 8347.0 | 8335.8 | 8327.4 | 8347.0 | 8237.8 | 8237.8 | 8179.0 | 8159.4 | 8123.0 | 8145.4 | 8167.8 |
| 27.5° | 8755.8 | 8750.2 | 8727.8 | 8730.6 | 8638.2 | 8652.2 | 8587.8 | 8576.6 | 8559.8 | 8557.0 | 8545.8 |
| 30° | 9206.6 | 9181.4 | 9150.6 | 9170.2 | 9128.2 | 9142.2 | 9086.2 | 9049.8 | 9044.2 | 9047.0 | 9030.2 |
| 32.5° | 9707.9 | 9674.3 | 9654.7 | 9688.3 | 9705.1 | 9744.3 | 9741.5 | 9640.7 | 9640.7 | 9682.7 | 9607.1 |
| 35° | 10329.5 | 10276.3 | 10293.1 | 10337.9 | 10371.5 | 10472.3 | 10455.5 | 10385.5 | 10407.9 | 10427.5 | 10337.9 |
| 37.5° | 11060.3 | 11023.9 | 11099.5 | 11183.5 | 11186.3 | 11329.1 | 11295.5 | 11312.3 | 11309.5 | 11284.3 | 11225.5 |
| 40° | 11936.7 | 11877.9 | 11956.3 | 12020.7 | 11981.5 | 12152.3 | 12146.7 | 12222.3 | 12272.7 | 12359.5 | 12325.9 |
| 42.5° | 12807.5 | 12762.7 | 12838.3 | 12978.3 | 12955.9 | 13151.9 | 13179.9 | 13297.5 | 13367.6 | 13502.0 | 13423.6 |
| 45° | 13880.0 | 13854.8 | 13924.8 | 14034.0 | 14109.6 | 14370.0 | 14473.6 | 14524.0 | 14700.4 | 14862.8 | 14680.8 |
| 47.5° | 15081.2 | 15114.8 | 15103.6 | 15302.4 | 15470.4 | 15786.8 | 15828.8 | 15991.2 | 16145.2 | 16324.4 | 16148.0 |
| 50° | 16576.4 | 16520.4 | 16570.8 | 16761.2 | 17035.6 | 17265.3 | 17480.9 | 17713.3 | 17864.5 | 18049.3 | 17724.5 |
| 52.5° | 18186.5 | 18234.1 | 18346.1 | 18640.1 | 18841.7 | 19113.3 | 19309.3 | 19586.5 | 19734.9 | 19894.5 | 19471.7 |
| 55° | 20216.5 | 20255.7 | 20378.9 | 20681.3 | 20824.1 | 21132.2 | 21266.6 | 21543.8 | 21686.6 | 21756.6 | 21216.2 |
| 57.5° | 22596.6 | 22465.0 | 22565.8 | 22722.6 | 22943.8 | 23277.0 | 23313.4 | 23573.8 | 23573.8 | 23663.4 | 22974.6 |
| 60° | 24721.9 | 24632.2 | 24738.7 | 24962.7 | 25049.5 | 25351.9 | 25321.1 | 25533.9 | 25589.9 | 25522.7 | 24699.4 |
| 62.5° | 26816.3 | 26833.1 | 26970.3 | 27043.1 | 27009.5 | 27188.7 | 27261.5 | 27485.5 | 27393.1 | 27415.5 | 26466.3 |
| 65° | 29358.8 | 29398.0 | 29384.0 | 29249.6 | 28947.2 | 29300.0 | 29280.4 | 29636.0 | 29658.4 | 29860.0 | 28756.8 |
| 67.5° | 32758.1 | 32584.5 | 32268.0 | 31727.6 | 31128.4 | 30921.2 | 30739.2 | 30915.6 | 31142.4 | 31106.0 | 29896.4 |
| 70° | 31436.4 | 31153.6 | 30988.4 | 30518.0 | 29717.2 | 29302.8 | 28924.8 | 28955.6 | 29286.0 | 29316.8 | 28079.1 |
| 72.5° | 27790.7 | 27647.9 | 27012.3 | 26600.7 | 26051.9 | 25732.7 | 25276.3 | 25379.9 | 25811.1 | 25883.9 | 24898.3 |
| 75° | 21921.8 | 21790.2 | 21216.2 | 21081.8 | 20810.1 | 20967.0 | 20854.9 | 20896.9 | 21244.2 | 20925.0 | 20334.1 |
| 77.5° | 14188.0 | 14218.8 | 14129.2 | 14434.4 | 14423.2 | 14431.6 | 14840.4 | 14882.4 | 15221.2 | 15025.2 | 14454.0 |
| 80° | 6361.8 | 6454.2 | 6672.6 | 7115.0 | 6846.2 | 6991.8 | 7148.6 | 7101.0 | 7442.6 | 6669.8 | 6947.0 |
| 82.5° | 1288.0 | 1332.8 | 1257.2 | 1313.2 | 1226.4 | 1271.2 | 1335.6 | 1237.6 | 1226.4 | 1136.8 | 1055.6 |
| 85° | 663.6 | 672.0 | 669.2 | 655.2 | 576.8 | 532.0 | 512.4 | 431.2 | 389.2 | 380.8 | 352.8 |
| 87.5° | 431.2 | 436.8 | 422.8 | 420.0 | 369.6 | 338.8 | 302.4 | 254.8 | 212.8 | 148.4 | 123.2 |
| 90° | 263.2 | 263.2 | 249.2 | 235.2 | 210.0 | 187.6 | 151.2 | 109.2 | 64.4 | 25.2 | 14.0 |
| 92.5° | 176.4 | 176.4 | 170.8 | 162.4 | 145.6 | 126.0 | 98.0 | 64.4 | 30.8 | 11.2 | 5.6 |
| 95° | 112.0 | 112.0 | 109.2 | 106.4 | 95.2 | 81.2 | 61.6 | 39.2 | 19.6 | 8.4 | 2.8 |
| 97.5° | 72.8 | 72.8 | 72.8 | 70.0 | 64.4 | 56.0 | 42.0 | 25.2 | 14.0 | 5.6 | 2.8 |
| 100° | 44.8 | 47.6 | 44.8 | 44.8 | 42.0 | 36.4 | 28.0 | 16.8 | 11.2 | 5.6 | 2.8 |
| 102.5° | 25.2 | 25.2 | 28.0 | 28.0 | 25.2 | 22.4 | 16.8 | 14.0 | 8.4 | 5.6 | 2.8 |
| 105° | 11.2 | 11.2 | 14.0 | 14.0 | 14.0 | 11.2 | 11.2 | 8.4 | 5.6 | 5.6 | 2.8 |
| 107.5° | 2.8 | 2.8 | 2.8 | 5.6 | 8.4 | 8.4 | 8.4 | 8.4 | 5.6 | 2.8 | 2.8 |
| 110° | 0.0 | 0.0 | 0.0 | 2.8 | 2.8 | 5.6 | 5.6 | 5.6 | 5.6 | 2.8 | 2.8 |



REPORT NUMBER: P579438
 CATALOG NUMBER: CTN-CA10-630-730-U-T5-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 |



REPORT NUMBER: P579438

CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 | 6591.4 |
| 2.5° | 6616.6 | 6583.0 | 6608.2 | 6566.2 | 6555.0 | 6518.6 | 6588.6 | 6599.8 | 6594.2 | 6605.4 |
| 5° | 6622.2 | 6580.2 | 6611.0 | 6569.0 | 6566.2 | 6527.0 | 6599.8 | 6602.6 | 6583.0 | 6591.4 |
| 7.5° | 6639.0 | 6599.8 | 6622.2 | 6574.6 | 6580.2 | 6532.6 | 6616.6 | 6613.8 | 6602.6 | 6622.2 |
| 10° | 6700.6 | 6655.8 | 6664.2 | 6613.8 | 6627.8 | 6577.4 | 6681.0 | 6686.6 | 6675.4 | 6711.8 |
| 12.5° | 6807.0 | 6745.4 | 6765.0 | 6706.2 | 6717.4 | 6667.0 | 6793.0 | 6801.4 | 6801.4 | 6860.2 |
| 15° | 6952.6 | 6888.2 | 6930.2 | 6854.6 | 6857.4 | 6781.8 | 6877.0 | 6877.0 | 6888.2 | 6969.4 |
| 17.5° | 7165.4 | 7087.0 | 7143.0 | 7073.0 | 6636.2 | 6471.0 | 6795.8 | 6994.6 | 6664.2 | 6636.2 |
| 20° | 7428.6 | 7392.2 | 7423.0 | 7308.2 | 6599.8 | 5843.8 | 5255.7 | 5224.9 | 5877.4 | 6202.2 |
| 22.5° | 7750.6 | 7714.2 | 7728.2 | 7582.6 | 5891.4 | 5359.3 | 5350.9 | 5294.9 | 4480.1 | 4256.1 |
| 25° | 8128.6 | 8109.0 | 8078.2 | 6857.4 | 6090.2 | 5580.5 | 5513.3 | 4782.5 | 4314.9 | 4356.9 |
| 27.5° | 8534.6 | 8475.8 | 7437.0 | 7123.4 | 6395.4 | 5801.8 | 5420.9 | 4466.1 | 4449.3 | 4488.5 |
| 30° | 8988.2 | 8677.4 | 7613.4 | 7507.0 | 6751.0 | 6076.2 | 4718.1 | 4662.1 | 4662.1 | 4723.7 |
| 32.5° | 9565.1 | 8103.4 | 8103.4 | 8047.4 | 7190.6 | 5334.1 | 4967.3 | 4933.7 | 4972.9 | 4998.1 |
| 35° | 9478.2 | 8716.6 | 8806.2 | 8781.0 | 7787.0 | 5432.1 | 5367.7 | 5311.7 | 5320.1 | 5320.1 |
| 37.5° | 9506.3 | 9537.1 | 9643.5 | 9534.3 | 6793.0 | 5857.8 | 5754.2 | 5743.0 | 5751.4 | 5771.0 |
| 40° | 10385.5 | 10402.3 | 10441.5 | 10200.7 | 7299.8 | 6353.4 | 6210.6 | 6182.6 | 6210.6 | 6252.6 |
| 42.5° | 11331.9 | 11379.5 | 11424.3 | 9276.6 | 8008.2 | 6916.2 | 6773.4 | 6720.2 | 6770.6 | 6815.4 |
| 45° | 12451.9 | 12524.7 | 11838.7 | 10097.1 | 8809.0 | 7557.4 | 7406.2 | 7341.8 | 7372.6 | 7411.8 |
| 47.5° | 13712.0 | 13826.8 | 11163.9 | 11141.5 | 9749.9 | 8316.2 | 8142.6 | 8019.4 | 8067.0 | 8064.2 |
| 50° | 15134.4 | 13213.5 | 12334.3 | 12320.3 | 10799.9 | 9161.8 | 8982.6 | 8870.6 | 8907.0 | 8879.0 |
| 52.5° | 16671.6 | 13574.8 | 13602.8 | 13600.0 | 11897.5 | 10071.9 | 9906.7 | 9766.7 | 9478.2 | 9744.3 |
| 55° | 18245.3 | 14823.6 | 14930.0 | 14913.2 | 13048.3 | 11012.7 | 10836.3 | 10704.7 | 6994.6 | 5908.2 |
| 57.5° | 19810.5 | 16128.4 | 16162.0 | 16201.2 | 14241.2 | 11919.9 | 11144.3 | 10237.1 | 3990.1 | 3970.5 |
| 60° | 21356.2 | 17371.7 | 17438.9 | 17461.3 | 14885.2 | 9867.5 | 4555.7 | 4639.7 | 1206.8 | 1442.0 |
| 62.5° | 22957.8 | 18598.1 | 18659.7 | 18640.1 | 15526.4 | 9175.8 | 4785.3 | 4690.1 | 112.0 | 103.6 |
| 65° | 25001.9 | 20135.3 | 20048.5 | 19984.1 | 16537.2 | 9791.9 | 5140.9 | 5115.7 | 36.4 | 25.2 |
| 67.5° | 25718.7 | 20485.3 | 20308.9 | 20286.5 | 16682.8 | 9923.5 | 5168.9 | 5149.3 | 36.4 | 25.2 |
| 70° | 24094.6 | 19155.3 | 18852.9 | 18861.3 | 15523.6 | 9282.2 | 4821.7 | 4793.7 | 33.6 | 25.2 |
| 72.5° | 21101.4 | 16918.0 | 16792.0 | 16125.6 | 13443.2 | 8165.0 | 4275.7 | 4169.3 | 33.6 | 22.4 |
| 75° | 17324.1 | 13667.2 | 13387.2 | 12639.5 | 10699.1 | 6490.6 | 3357.3 | 3220.1 | 30.8 | 19.6 |
| 77.5° | 12026.3 | 9584.7 | 9049.8 | 8288.2 | 7157.0 | 4303.7 | 2256.9 | 2080.5 | 28.0 | 19.6 |
| 80° | 5451.7 | 3934.1 | 3953.7 | 3029.7 | 2427.7 | 1458.8 | 716.8 | 649.6 | 25.2 | 16.8 |
| 82.5° | 949.2 | 700.0 | 658.0 | 635.6 | 529.2 | 358.4 | 218.4 | 187.6 | 22.4 | 11.2 |
| 85° | 330.4 | 266.0 | 294.0 | 347.2 | 308.0 | 215.6 | 134.4 | 128.8 | 14.0 | 5.6 |
| 87.5° | 112.0 | 117.6 | 137.2 | 165.2 | 145.6 | 84.0 | 50.4 | 36.4 | 2.8 | 0.0 |
| 90° | 11.2 | 14.0 | 14.0 | 14.0 | 8.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 2.8 | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 2.8 | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 2.8 | 2.8 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P579438
 CATALOG NUMBER: CTN-CA10-630-730-U-T5-HSS-HM-EX90

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)