

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: INVUE

Report Number: P671688

Luminaire Tested: **CCP-SA-2E-740-U-SLL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671688
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-SLL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SLL distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

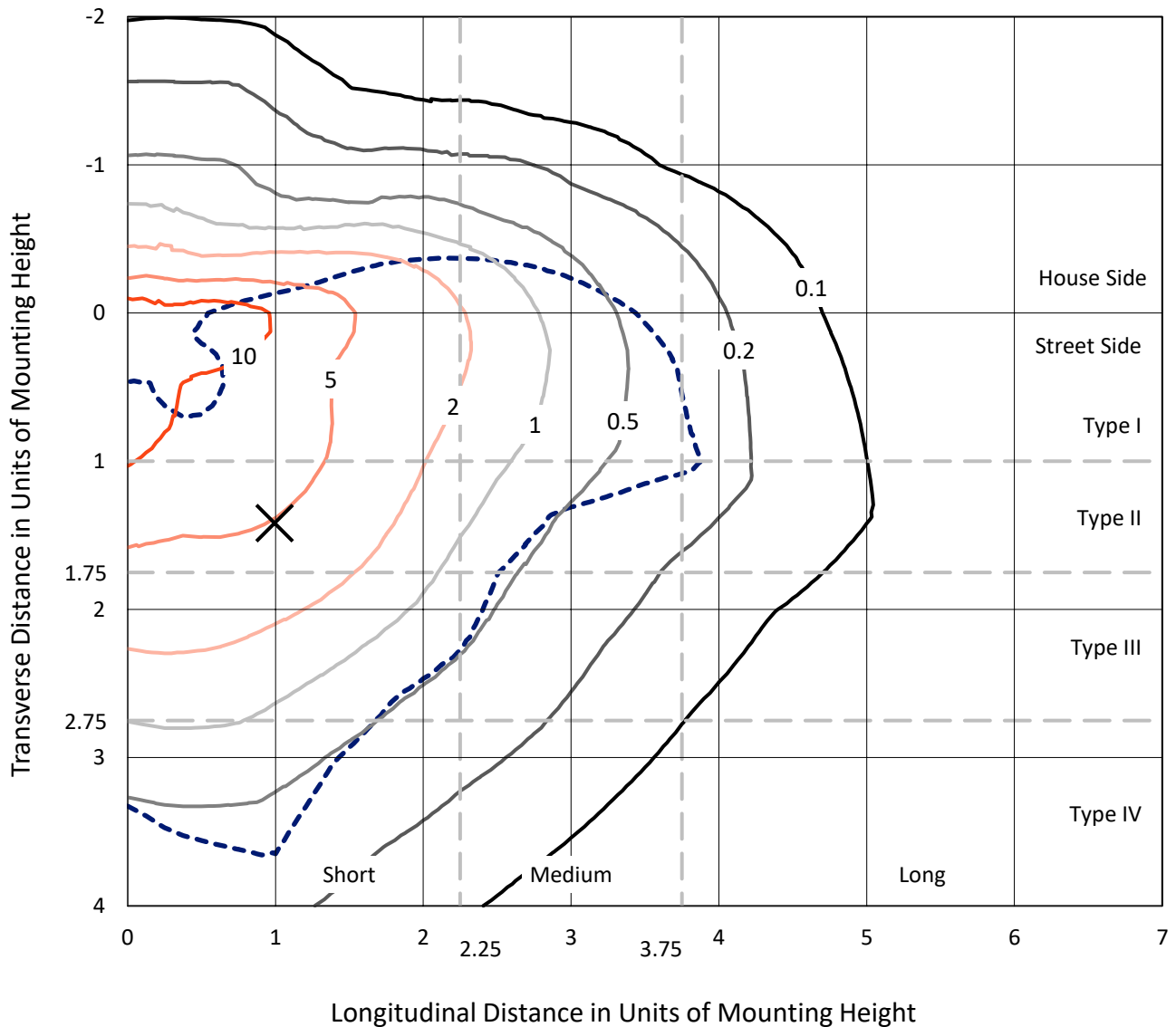
Lumens per Lamp: N/A
Luminaire Lumens: 11344.9 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

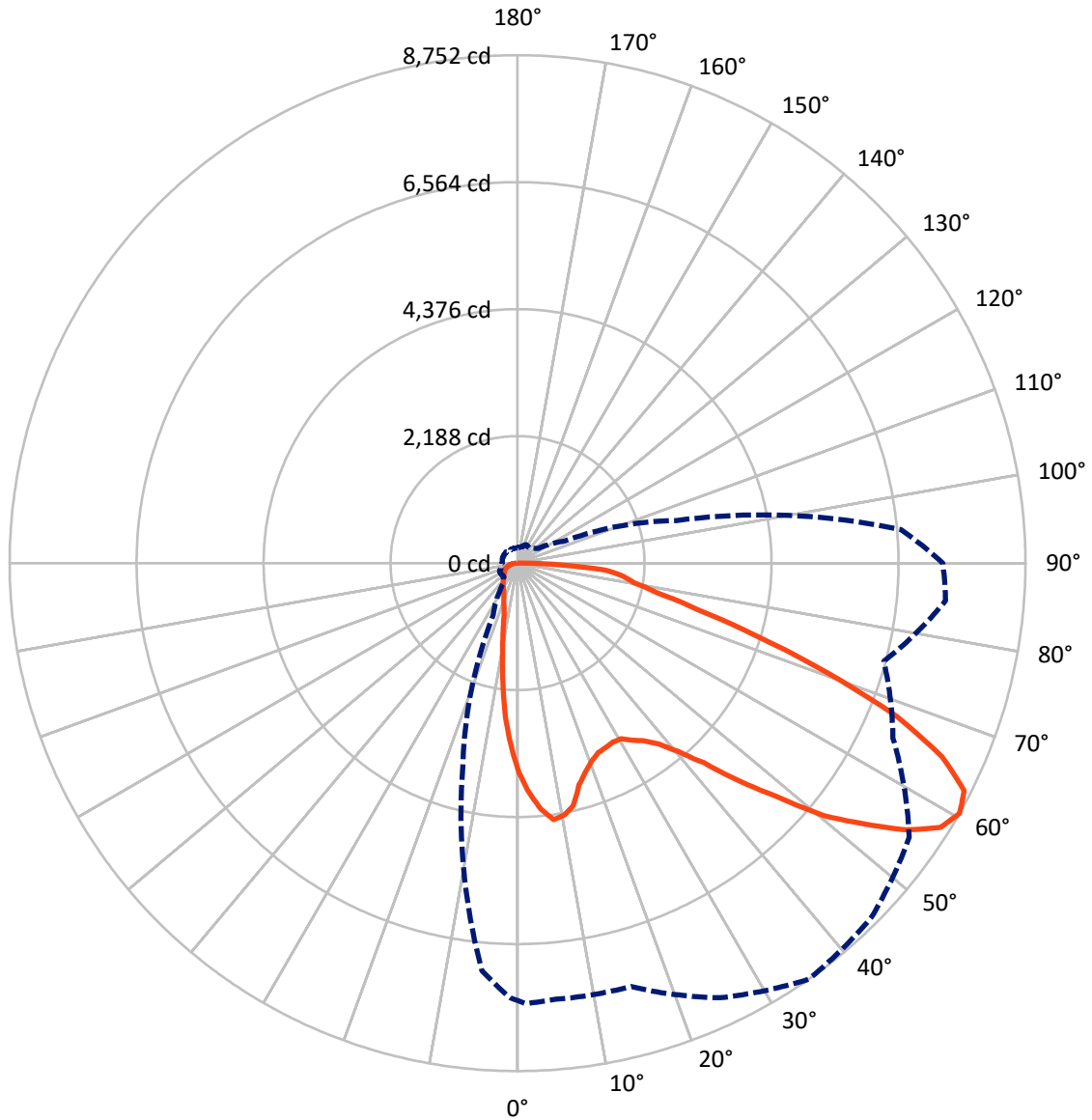
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 18.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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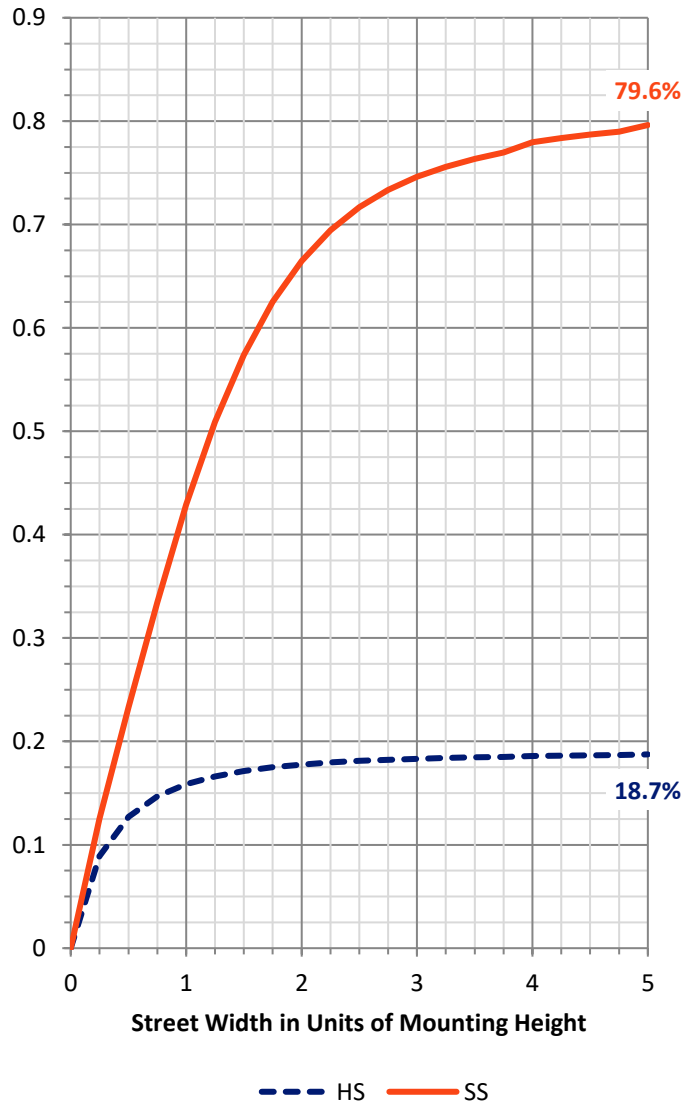
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2159.1 | 0.0 | 2159.1 |
| | % Fixture | 19.0 | 0.0 | 19.0 |
| Street Side | Lumens | 9185.8 | 0.0 | 9185.8 |
| | % Fixture | 81.0 | 0.0 | 81.0 |
| Total | Lumens | 11344.9 | 0.0 | 11344.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 281.5 | 2.5 |
| 10°-20° | 594.3 | 5.2 |
| 20°-30° | 869.6 | 7.7 |
| 30°-40° | 1225.2 | 10.8 |
| 40°-50° | 1683.8 | 14.8 |
| 50°-60° | 2294.8 | 20.2 |
| 60°-70° | 2511.5 | 22.1 |
| 70°-80° | 1450.0 | 12.8 |
| 80°-90° | 434.2 | 3.8 |
| 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° | 11344.9 | 100.0 |
| 0°-180° | 11344.9 | 100.0 |



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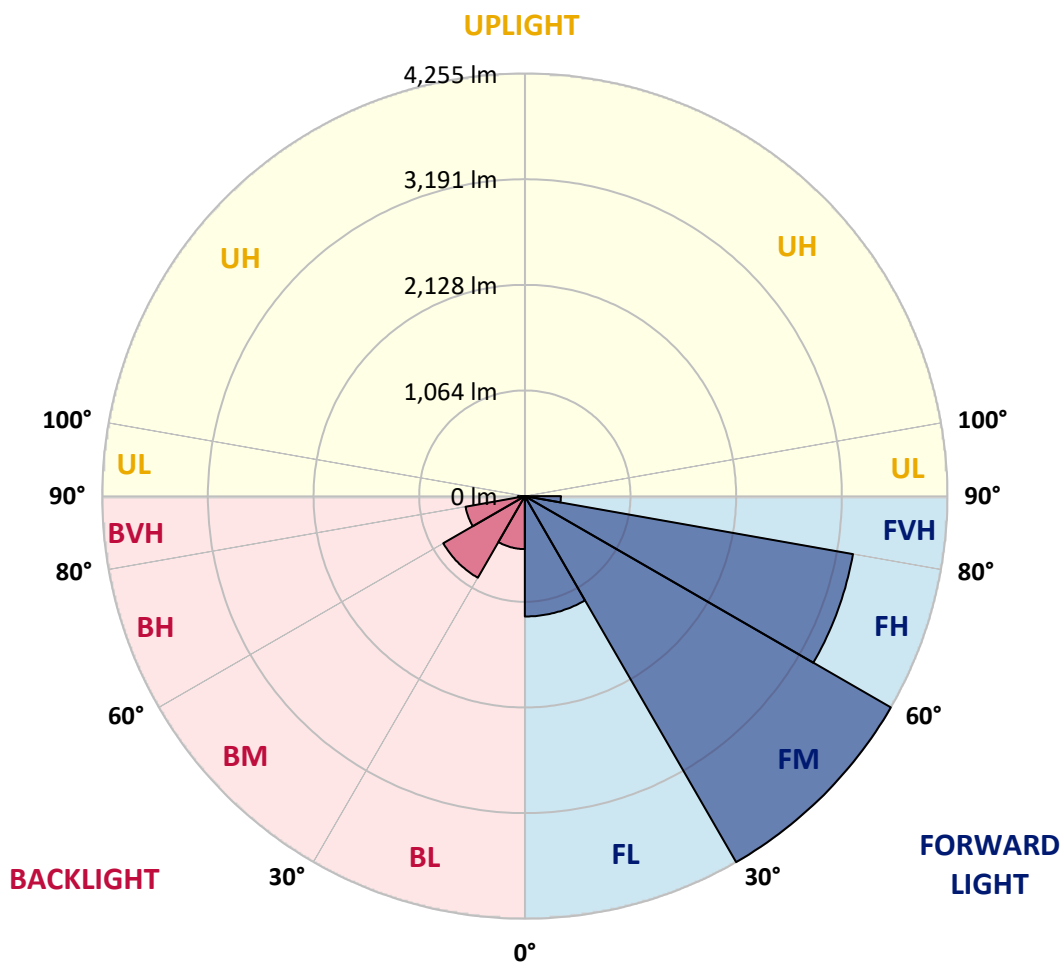
CATALOG NUMBER: CCP-SA-2E-740-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1212.0 | 10.7 | | | |
| FM (30°-60°) | 4255.3 | 37.5 | | | |
| FH (60°-80°) | 3355.1 | 29.6 | | | G2/5000 |
| FVH (80°-90°) | 363.5 | 3.2 | | | G3/500 |
| BL (0°-30°) | 533.4 | 4.7 | B2/1000 | | |
| BM (30°-60°) | 948.5 | 8.4 | B1/1000 | | |
| BH (60°-80°) | 606.4 | 5.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 70.8 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





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CATALOG NUMBER: CCP-SA-2E-740-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 |
| 2.5° | 3880.2 | 3865.1 | 3880.2 | 3935.5 | 3950.6 | 3975.8 | 3975.8 | 3940.6 | 3875.1 | 3844.9 | 3794.6 |
| 5° | 3965.7 | 3940.6 | 4066.4 | 4182.1 | 4272.7 | 4262.6 | 4177.1 | 4106.6 | 3975.8 | 3779.5 | 3593.3 |
| 7.5° | 3794.6 | 3819.8 | 3910.4 | 4212.3 | 4423.7 | 4463.9 | 4328.1 | 4187.2 | 3905.3 | 3633.6 | 3381.9 |
| 10° | 3472.5 | 3507.7 | 3704.0 | 4016.0 | 4348.2 | 4413.6 | 4328.1 | 4157.0 | 3819.8 | 3482.6 | 3190.7 |
| 12.5° | 3316.5 | 3397.0 | 3512.8 | 3890.2 | 4126.8 | 4282.8 | 4242.5 | 4131.8 | 3754.3 | 3356.8 | 3074.9 |
| 15° | 3316.5 | 3336.6 | 3507.7 | 3824.8 | 3960.7 | 3965.7 | 3980.8 | 4000.9 | 3774.5 | 3412.1 | 3034.7 |
| 17.5° | 3422.2 | 3477.5 | 3623.5 | 3819.8 | 3844.9 | 3784.5 | 3784.5 | 3870.1 | 3814.7 | 3568.1 | 3180.6 |
| 20° | 3678.9 | 3658.7 | 3850.0 | 3930.5 | 3794.6 | 3643.6 | 3628.5 | 3774.5 | 3860.0 | 3734.2 | 3447.4 |
| 22.5° | 3935.5 | 4026.1 | 4182.1 | 4000.9 | 3749.3 | 3548.0 | 3527.9 | 3709.1 | 3995.9 | 4021.1 | 3754.3 |
| 25° | 4323.0 | 4413.6 | 4494.1 | 4272.7 | 3744.3 | 3522.8 | 3537.9 | 3678.9 | 4162.0 | 4428.7 | 4267.7 |
| 27.5° | 4740.7 | 4796.1 | 4911.9 | 4569.6 | 3865.1 | 3492.6 | 3507.7 | 3719.1 | 4318.0 | 4695.4 | 4670.3 |
| 30° | 4977.3 | 5037.7 | 5012.5 | 4625.0 | 3945.6 | 3512.8 | 3472.5 | 3774.5 | 4232.4 | 4695.4 | 4932.0 |
| 32.5° | 5208.8 | 5173.5 | 5158.4 | 4715.6 | 4046.2 | 3638.6 | 3537.9 | 3890.2 | 4282.8 | 4770.9 | 5269.2 |
| 35° | 5490.6 | 5440.3 | 5400.0 | 4891.7 | 4212.3 | 3759.4 | 3714.1 | 4041.2 | 4393.5 | 4926.9 | 5540.9 |
| 37.5° | 5802.6 | 5802.6 | 5606.4 | 5022.6 | 4408.6 | 3955.7 | 3905.3 | 4257.6 | 4569.6 | 5022.6 | 5913.3 |
| 40° | 6170.0 | 6185.1 | 5837.9 | 5198.7 | 4630.0 | 4267.7 | 4252.6 | 4539.4 | 4740.7 | 5163.5 | 6270.7 |
| 42.5° | 6441.8 | 6451.8 | 6039.2 | 5264.1 | 4886.7 | 4700.5 | 4765.9 | 4992.4 | 4937.0 | 5289.3 | 6295.8 |
| 45° | 6628.0 | 6577.7 | 6180.1 | 5450.3 | 5168.5 | 5349.7 | 5369.8 | 5435.2 | 5193.7 | 5364.8 | 6396.5 |
| 47.5° | 6718.6 | 6708.5 | 6240.5 | 5666.7 | 5762.4 | 6009.0 | 6124.7 | 6034.1 | 5430.2 | 5284.3 | 6396.5 |
| 50° | 6809.2 | 6723.6 | 6295.8 | 5963.7 | 6341.1 | 6839.3 | 6814.2 | 6648.1 | 5757.3 | 5384.9 | 6300.9 |
| 52.5° | 6869.5 | 6794.1 | 6406.5 | 6230.4 | 6894.7 | 7458.4 | 7559.0 | 7252.0 | 6139.8 | 5571.1 | 6346.2 |
| 55° | 7085.9 | 7025.6 | 6738.7 | 6592.8 | 7533.9 | 8112.6 | 8127.7 | 7699.9 | 6542.4 | 5878.1 | 6643.1 |
| 57.5° | 7347.6 | 7382.9 | 7196.7 | 7106.1 | 8022.0 | 8590.7 | 8535.3 | 8032.1 | 6884.6 | 6250.5 | 6985.3 |
| 60° | 7533.9 | 7589.2 | 7543.9 | 7554.0 | 8263.6 | 8751.7 | 8625.9 | 8238.4 | 7136.3 | 6532.4 | 7403.0 |
| 62.5° | 7433.2 | 7543.9 | 7730.1 | 7689.9 | 8273.6 | 8636.0 | 8459.9 | 7966.7 | 7166.5 | 6899.7 | 7720.1 |
| 65° | 7156.4 | 7166.5 | 7528.8 | 7750.3 | 7820.7 | 8037.1 | 7805.6 | 7398.0 | 6854.4 | 7126.2 | 7674.8 |
| 67.5° | 6446.8 | 6527.3 | 6854.4 | 7287.3 | 6990.3 | 7040.7 | 7020.5 | 6431.7 | 6381.4 | 6970.2 | 7327.5 |
| 70° | 5691.9 | 5747.3 | 6104.6 | 6612.9 | 5903.3 | 5666.7 | 5712.0 | 5274.2 | 5480.5 | 6487.1 | 6628.0 |
| 72.5° | 4705.5 | 4740.7 | 5148.4 | 5596.3 | 4735.7 | 4313.0 | 4418.7 | 4061.3 | 4353.2 | 5676.8 | 5591.3 |
| 75° | 3553.0 | 3618.5 | 3935.5 | 4463.9 | 3487.6 | 3215.9 | 3321.5 | 3175.6 | 3447.4 | 4675.3 | 4338.1 |
| 77.5° | 2526.4 | 2476.1 | 2868.6 | 3492.6 | 2622.0 | 2461.0 | 2471.0 | 2496.2 | 2788.1 | 3940.6 | 3115.2 |
| 80° | 1721.2 | 1736.3 | 2088.5 | 2561.6 | 2058.3 | 2033.2 | 2008.0 | 2209.3 | 2340.2 | 3120.2 | 2264.7 |
| 82.5° | 1021.6 | 1021.6 | 1409.1 | 1821.8 | 1625.5 | 1831.9 | 1716.1 | 1897.3 | 1831.9 | 2294.9 | 1484.6 |
| 85° | 478.1 | 478.1 | 724.7 | 1313.5 | 1258.2 | 1509.8 | 1283.3 | 1434.3 | 1353.8 | 1600.4 | 669.3 |
| 87.5° | 80.5 | 70.5 | 145.9 | 644.2 | 518.4 | 588.8 | 231.5 | 765.0 | 850.5 | 1117.2 | 166.1 |
| 90° | 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: CCP-SA-2E-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 |
| 2.5° | 3739.2 | 3704.0 | 3633.6 | 3543.0 | 3467.5 | 3371.9 | 3341.7 | 3276.2 | 3185.7 | 3175.6 | 3135.3 |
| 5° | 3522.8 | 3402.1 | 3251.1 | 3064.9 | 2939.1 | 2808.2 | 2697.5 | 2632.1 | 2556.6 | 2546.5 | 2526.4 |
| 7.5° | 3286.3 | 3135.3 | 2883.7 | 2662.3 | 2445.9 | 2239.5 | 2138.9 | 2013.1 | 1927.5 | 1862.1 | 1831.9 |
| 10° | 3064.9 | 2924.0 | 2611.9 | 2310.0 | 2118.7 | 1982.9 | 1862.1 | 1731.2 | 1625.5 | 1545.0 | 1514.8 |
| 12.5° | 2918.9 | 2752.9 | 2415.7 | 2128.8 | 1987.9 | 1831.9 | 1696.0 | 1555.1 | 1419.2 | 1313.5 | 1258.2 |
| 15° | 2853.5 | 2697.5 | 2355.3 | 2038.2 | 1831.9 | 1615.5 | 1459.5 | 1318.6 | 1152.5 | 1077.0 | 1051.8 |
| 17.5° | 3009.5 | 2778.0 | 2335.1 | 1932.5 | 1640.6 | 1394.0 | 1202.8 | 1051.8 | 931.0 | 855.5 | 825.4 |
| 20° | 3210.8 | 2924.0 | 2370.4 | 1806.7 | 1459.5 | 1182.7 | 971.3 | 810.3 | 729.7 | 674.4 | 669.3 |
| 22.5° | 3467.5 | 3140.4 | 2425.7 | 1716.1 | 1258.2 | 951.2 | 759.9 | 664.3 | 608.9 | 603.9 | 593.9 |
| 25° | 3925.5 | 3532.9 | 2516.3 | 1595.3 | 1097.1 | 785.1 | 649.2 | 593.9 | 568.7 | 553.6 | 563.7 |
| 27.5° | 4318.0 | 3789.6 | 2581.7 | 1519.9 | 1031.7 | 739.8 | 629.1 | 568.7 | 543.5 | 538.5 | 543.5 |
| 30° | 4549.5 | 4026.1 | 2561.6 | 1378.9 | 900.8 | 704.6 | 669.3 | 649.2 | 598.9 | 558.6 | 558.6 |
| 32.5° | 4760.9 | 4177.1 | 2556.6 | 1253.1 | 770.0 | 588.8 | 558.6 | 543.5 | 573.7 | 593.9 | 578.8 |
| 35° | 5052.8 | 4413.6 | 2541.5 | 1182.7 | 714.6 | 543.5 | 493.2 | 452.9 | 432.8 | 422.7 | 437.8 |
| 37.5° | 5364.8 | 4574.7 | 2501.2 | 1172.6 | 684.4 | 518.4 | 478.1 | 437.8 | 417.7 | 407.6 | 402.6 |
| 40° | 5707.0 | 4745.8 | 2455.9 | 1122.3 | 669.3 | 503.3 | 463.0 | 427.8 | 402.6 | 387.5 | 382.5 |
| 42.5° | 5928.4 | 4881.7 | 2410.6 | 1097.1 | 639.1 | 493.2 | 447.9 | 417.7 | 392.5 | 372.4 | 372.4 |
| 45° | 6054.3 | 5042.7 | 2365.3 | 1072.0 | 603.9 | 498.2 | 447.9 | 407.6 | 377.4 | 367.4 | 357.3 |
| 47.5° | 6109.6 | 5163.5 | 2350.2 | 1031.7 | 573.7 | 478.1 | 437.8 | 397.6 | 367.4 | 347.3 | 342.2 |
| 50° | 6255.6 | 5420.1 | 2405.6 | 1001.5 | 538.5 | 458.0 | 463.0 | 392.5 | 362.3 | 337.2 | 332.2 |
| 52.5° | 6341.1 | 5626.5 | 2526.4 | 956.2 | 513.3 | 432.8 | 452.9 | 382.5 | 347.3 | 322.1 | 322.1 |
| 55° | 6653.1 | 5968.7 | 2657.2 | 921.0 | 483.1 | 397.6 | 417.7 | 362.3 | 322.1 | 307.0 | 307.0 |
| 57.5° | 7050.7 | 6331.1 | 2767.9 | 905.9 | 463.0 | 372.4 | 372.4 | 352.3 | 307.0 | 286.9 | 281.8 |
| 60° | 7327.5 | 6628.0 | 2833.4 | 895.8 | 442.9 | 347.3 | 332.2 | 352.3 | 291.9 | 271.8 | 266.7 |
| 62.5° | 7357.7 | 6456.9 | 2767.9 | 890.8 | 437.8 | 322.1 | 302.0 | 337.2 | 276.8 | 256.7 | 246.6 |
| 65° | 7166.5 | 6109.6 | 2586.8 | 870.6 | 432.8 | 296.9 | 281.8 | 291.9 | 256.7 | 241.6 | 231.5 |
| 67.5° | 6784.0 | 5546.0 | 2325.1 | 860.6 | 427.8 | 276.8 | 256.7 | 251.6 | 236.5 | 221.4 | 211.4 |
| 70° | 5893.2 | 4811.2 | 2018.1 | 815.3 | 417.7 | 261.7 | 231.5 | 226.5 | 211.4 | 201.3 | 196.3 |
| 72.5° | 4947.1 | 3935.5 | 1665.8 | 754.9 | 397.6 | 236.5 | 211.4 | 201.3 | 196.3 | 181.2 | 176.1 |
| 75° | 3789.6 | 3029.6 | 1333.6 | 669.3 | 347.3 | 211.4 | 186.2 | 176.1 | 171.1 | 161.0 | 156.0 |
| 77.5° | 2662.3 | 2254.6 | 986.4 | 543.5 | 291.9 | 191.2 | 166.1 | 156.0 | 151.0 | 135.9 | 135.9 |
| 80° | 1806.7 | 1580.2 | 669.3 | 377.4 | 226.5 | 156.0 | 145.9 | 135.9 | 125.8 | 115.8 | 115.8 |
| 82.5° | 1122.3 | 1107.2 | 483.1 | 246.6 | 166.1 | 125.8 | 115.8 | 115.8 | 100.7 | 90.6 | 90.6 |
| 85° | 513.3 | 679.4 | 337.2 | 171.1 | 125.8 | 95.6 | 95.6 | 90.6 | 80.5 | 65.4 | 65.4 |
| 87.5° | 161.0 | 226.5 | 176.1 | 75.5 | 70.5 | 55.4 | 55.4 | 50.3 | 50.3 | 40.3 | 40.3 |
| 90° | 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: CCP-SA-2E-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 | 3623.5 |
| 2.5° | 3175.6 | 3170.6 | 3170.6 | 3150.4 | 3200.8 | 3200.8 | 3231.0 | 3205.8 | 3220.9 | 3225.9 | 3266.2 |
| 5° | 2521.3 | 2561.6 | 2591.8 | 2652.2 | 2687.4 | 2702.5 | 2702.5 | 2742.8 | 2727.7 | 2757.9 | 2818.3 |
| 7.5° | 1847.0 | 1897.3 | 1987.9 | 2063.4 | 2123.8 | 2143.9 | 2138.9 | 2148.9 | 2164.0 | 2128.8 | 2138.9 |
| 10° | 1494.7 | 1459.5 | 1489.7 | 1560.1 | 1615.5 | 1680.9 | 1630.6 | 1625.5 | 1640.6 | 1625.5 | 1655.7 |
| 12.5° | 1248.1 | 1207.8 | 1182.7 | 1182.7 | 1222.9 | 1253.1 | 1238.0 | 1263.2 | 1318.6 | 1333.6 | 1368.9 |
| 15° | 1011.6 | 976.3 | 956.2 | 931.0 | 971.3 | 981.4 | 996.5 | 1031.7 | 1072.0 | 1092.1 | 1132.3 |
| 17.5° | 810.3 | 810.3 | 810.3 | 790.1 | 805.2 | 820.3 | 825.4 | 870.6 | 875.7 | 895.8 | 910.9 |
| 20° | 664.3 | 679.4 | 704.6 | 714.6 | 729.7 | 729.7 | 719.7 | 744.8 | 724.7 | 739.8 | 749.9 |
| 22.5° | 598.9 | 619.0 | 629.1 | 634.1 | 654.2 | 659.3 | 634.1 | 639.1 | 644.2 | 629.1 | 634.1 |
| 25° | 563.7 | 573.7 | 563.7 | 568.7 | 573.7 | 563.7 | 568.7 | 578.8 | 573.7 | 583.8 | 578.8 |
| 27.5° | 548.6 | 538.5 | 533.5 | 528.4 | 528.4 | 518.4 | 523.4 | 523.4 | 533.5 | 538.5 | 538.5 |
| 30° | 548.6 | 533.5 | 513.3 | 498.2 | 498.2 | 483.1 | 493.2 | 503.3 | 508.3 | 518.4 | 518.4 |
| 32.5° | 563.7 | 533.5 | 498.2 | 483.1 | 468.0 | 458.0 | 468.0 | 483.1 | 503.3 | 508.3 | 513.3 |
| 35° | 447.9 | 463.0 | 458.0 | 437.8 | 432.8 | 432.8 | 427.8 | 427.8 | 412.7 | 412.7 | 407.6 |
| 37.5° | 402.6 | 397.6 | 407.6 | 412.7 | 417.7 | 402.6 | 402.6 | 382.5 | 377.4 | 382.5 | 382.5 |
| 40° | 377.4 | 377.4 | 377.4 | 392.5 | 397.6 | 387.5 | 372.4 | 362.3 | 362.3 | 362.3 | 367.4 |
| 42.5° | 367.4 | 357.3 | 352.3 | 362.3 | 377.4 | 367.4 | 352.3 | 347.3 | 347.3 | 352.3 | 352.3 |
| 45° | 352.3 | 347.3 | 342.2 | 337.2 | 357.3 | 342.2 | 337.2 | 332.2 | 332.2 | 332.2 | 337.2 |
| 47.5° | 337.2 | 332.2 | 322.1 | 322.1 | 327.1 | 322.1 | 317.1 | 317.1 | 317.1 | 327.1 | 327.1 |
| 50° | 327.1 | 322.1 | 312.0 | 312.0 | 312.0 | 312.0 | 307.0 | 307.0 | 307.0 | 312.0 | 317.1 |
| 52.5° | 312.0 | 307.0 | 302.0 | 296.9 | 296.9 | 296.9 | 296.9 | 296.9 | 296.9 | 302.0 | 307.0 |
| 55° | 296.9 | 291.9 | 286.9 | 286.9 | 291.9 | 291.9 | 286.9 | 291.9 | 286.9 | 291.9 | 296.9 |
| 57.5° | 281.8 | 276.8 | 271.8 | 276.8 | 281.8 | 276.8 | 276.8 | 276.8 | 276.8 | 276.8 | 281.8 |
| 60° | 261.7 | 261.7 | 261.7 | 261.7 | 271.8 | 271.8 | 271.8 | 271.8 | 261.7 | 266.7 | 271.8 |
| 62.5° | 251.6 | 246.6 | 246.6 | 251.6 | 256.7 | 256.7 | 261.7 | 256.7 | 251.6 | 256.7 | 256.7 |
| 65° | 231.5 | 231.5 | 231.5 | 236.5 | 236.5 | 241.6 | 241.6 | 241.6 | 236.5 | 241.6 | 241.6 |
| 67.5° | 216.4 | 216.4 | 216.4 | 216.4 | 226.5 | 226.5 | 226.5 | 226.5 | 221.4 | 221.4 | 226.5 |
| 70° | 191.2 | 196.3 | 191.2 | 201.3 | 211.4 | 206.3 | 211.4 | 211.4 | 206.3 | 201.3 | 211.4 |
| 72.5° | 176.1 | 176.1 | 176.1 | 176.1 | 191.2 | 191.2 | 191.2 | 196.3 | 191.2 | 186.2 | 191.2 |
| 75° | 156.0 | 156.0 | 156.0 | 161.0 | 171.1 | 171.1 | 171.1 | 171.1 | 171.1 | 166.1 | 166.1 |
| 77.5° | 135.9 | 140.9 | 135.9 | 140.9 | 151.0 | 145.9 | 151.0 | 156.0 | 151.0 | 145.9 | 145.9 |
| 80° | 115.8 | 115.8 | 115.8 | 120.8 | 125.8 | 125.8 | 125.8 | 130.8 | 125.8 | 120.8 | 120.8 |
| 82.5° | 90.6 | 90.6 | 95.6 | 95.6 | 100.7 | 100.7 | 100.7 | 105.7 | 100.7 | 95.6 | 95.6 |
| 85° | 70.5 | 70.5 | 70.5 | 75.5 | 75.5 | 80.5 | 80.5 | 85.6 | 85.6 | 80.5 | 80.5 |
| 87.5° | 45.3 | 40.3 | 45.3 | 45.3 | 50.3 | 50.3 | 45.3 | 40.3 | 45.3 | 40.3 | 35.2 |
| 90° | 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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| 32.5° | 533.5 | 523.4 | 553.6 | 674.4 | 1031.7 | 1665.8 | 3256.1 | 4921.9 | 5193.7 | 5208.8 |
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| 62.5° | 271.8 | 357.3 | 296.9 | 307.0 | 412.7 | 981.4 | 3593.3 | 6673.3 | 7392.9 | 7433.2 |
| 65° | 261.7 | 307.0 | 271.8 | 281.8 | 402.6 | 951.2 | 3376.9 | 6220.3 | 6980.3 | 7156.4 |
| 67.5° | 241.6 | 251.6 | 251.6 | 261.7 | 392.5 | 880.7 | 2934.0 | 5405.0 | 6351.2 | 6446.8 |
| 70° | 221.4 | 226.5 | 226.5 | 241.6 | 382.5 | 800.2 | 2420.7 | 4675.3 | 5510.7 | 5691.9 |
| 72.5° | 201.3 | 201.3 | 201.3 | 221.4 | 352.3 | 734.8 | 1992.9 | 3593.3 | 4579.7 | 4705.5 |
| 75° | 176.1 | 176.1 | 176.1 | 196.3 | 317.1 | 669.3 | 1570.2 | 2672.3 | 3371.9 | 3553.0 |
| 77.5° | 156.0 | 156.0 | 151.0 | 176.1 | 276.8 | 543.5 | 1132.3 | 1887.2 | 2375.4 | 2526.4 |
| 80° | 130.8 | 125.8 | 125.8 | 140.9 | 216.4 | 392.5 | 729.7 | 1333.6 | 1655.7 | 1721.2 |
| 82.5° | 105.7 | 100.7 | 95.6 | 105.7 | 156.0 | 246.6 | 452.9 | 931.0 | 1061.9 | 1021.6 |
| 85° | 100.7 | 105.7 | 85.6 | 80.5 | 110.7 | 161.0 | 286.9 | 573.7 | 478.1 | 478.1 |
| 87.5° | 40.3 | 35.2 | 35.2 | 30.2 | 55.4 | 60.4 | 125.8 | 105.7 | 80.5 | 80.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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