

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: P675808

Luminaire Tested: **CCW-SA-2E-722-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675808
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-722-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
SLL distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

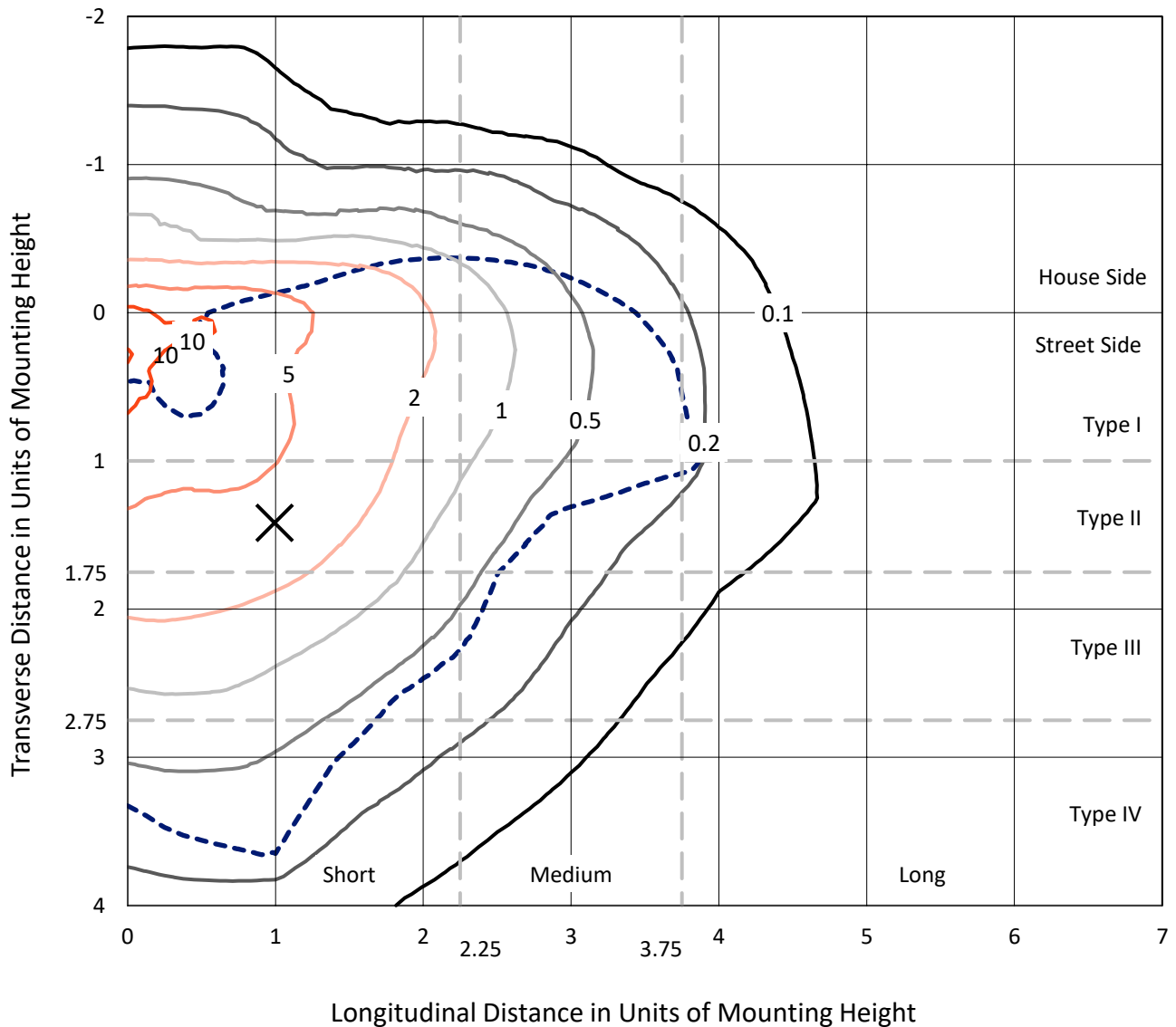
Lumens per Lamp: N/A
Luminaire Lumens: 8356.6 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

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

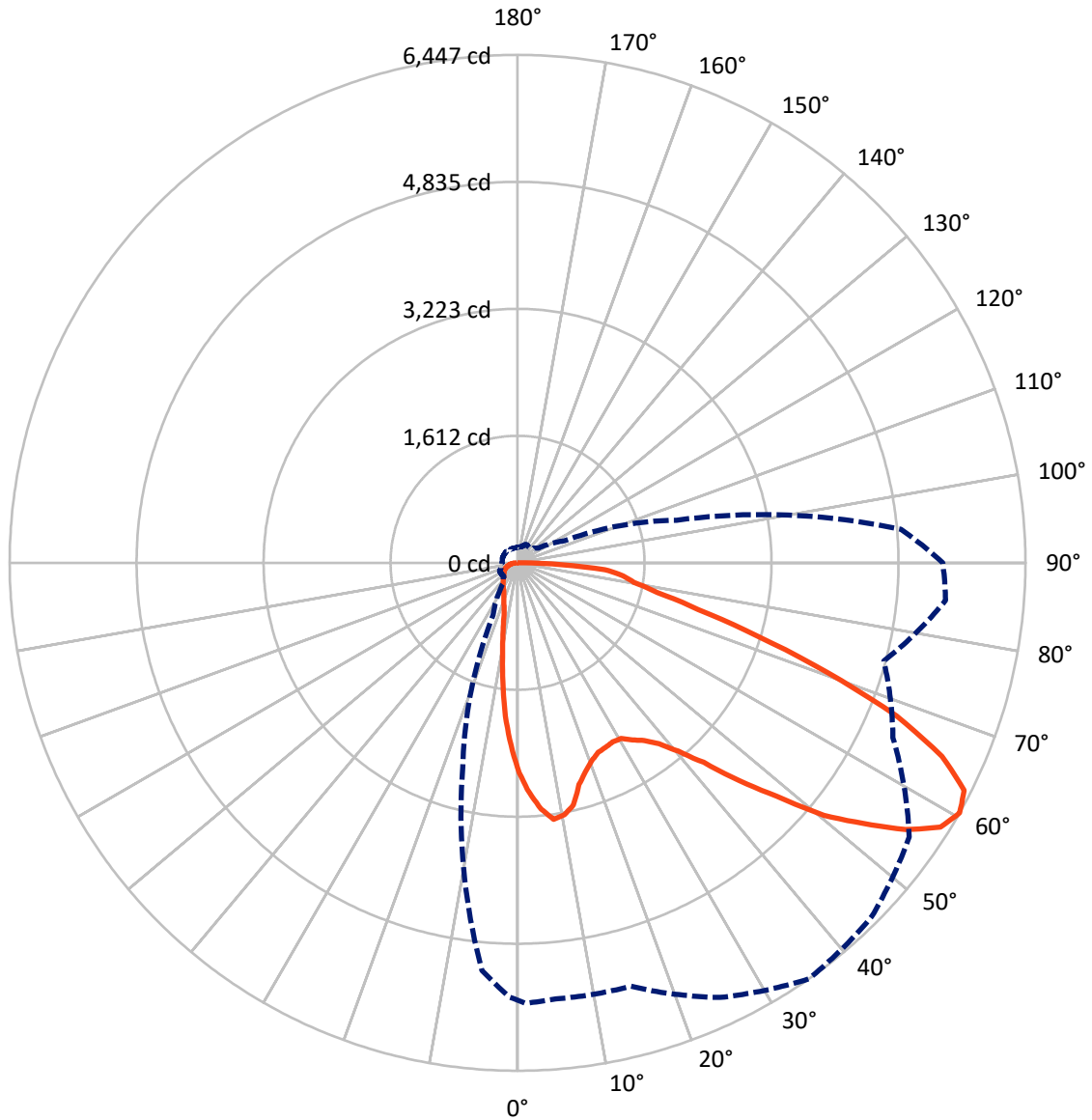
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.5 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 | 1590.4 | 0.0 | 1590.4 |
| | % Fixture | 19.0 | 0.0 | 19.0 |
| Street Side | Lumens | 6766.3 | 0.0 | 6766.3 |
| | % Fixture | 81.0 | 0.0 | 81.0 |
| Total | Lumens | 8356.6 | 0.0 | 8356.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 207.4 | 2.5 |
| 10°-20° | 437.8 | 5.2 |
| 20°-30° | 640.5 | 7.7 |
| 30°-40° | 902.5 | 10.8 |
| 40°-50° | 1240.3 | 14.8 |
| 50°-60° | 1690.3 | 20.2 |
| 60°-70° | 1850.0 | 22.1 |
| 70°-80° | 1068.1 | 12.8 |
| 80°-90° | 319.8 | 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° | 8356.6 | 100.0 |
| 0°-180° | 8356.6 | 100.0 |



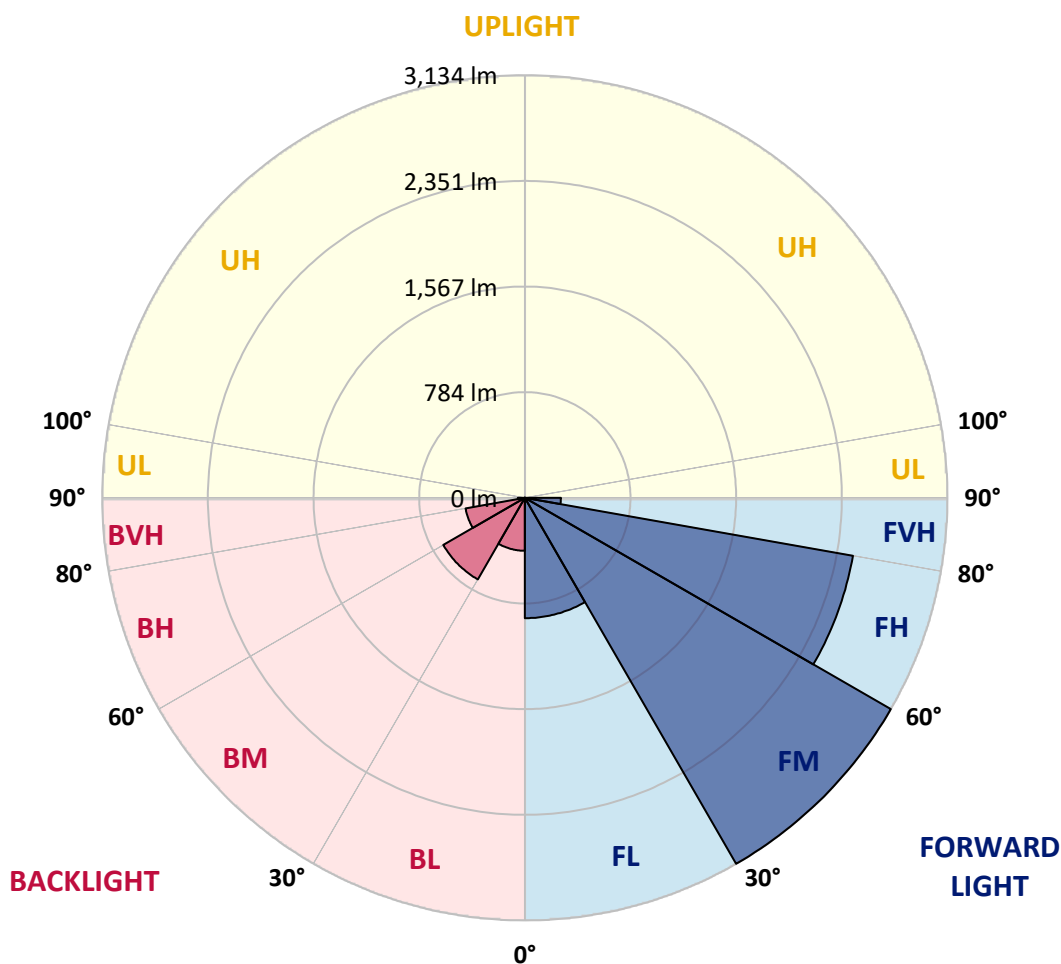
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 892.7 | 10.7 | | | |
| FM (30°-60°) | 3134.4 | 37.5 | | | |
| FH (60°-80°) | 2471.4 | 29.6 | | | G2/5000 |
| FVH (80°-90°) | 267.7 | 3.2 | | | G3/500 |
| BL (0°-30°) | 392.9 | 4.7 | B1/500 | | |
| BM (30°-60°) | 698.6 | 8.4 | B1/1000 | | |
| BH (60°-80°) | 446.7 | 5.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 52.1 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 |
| 2.5° | 2858.1 | 2847.0 | 2858.1 | 2898.9 | 2910.0 | 2928.6 | 2928.6 | 2902.6 | 2854.4 | 2832.2 | 2795.1 |
| 5° | 2921.1 | 2902.6 | 2995.3 | 3080.5 | 3147.3 | 3139.9 | 3076.8 | 3024.9 | 2928.6 | 2784.0 | 2646.8 |
| 7.5° | 2795.1 | 2813.6 | 2880.4 | 3102.8 | 3258.5 | 3288.1 | 3188.1 | 3084.3 | 2876.7 | 2676.5 | 2491.1 |
| 10° | 2557.9 | 2583.8 | 2728.4 | 2958.2 | 3202.9 | 3251.1 | 3188.1 | 3062.0 | 2813.6 | 2565.3 | 2350.3 |
| 12.5° | 2442.9 | 2502.3 | 2587.5 | 2865.5 | 3039.8 | 3154.7 | 3125.0 | 3043.5 | 2765.5 | 2472.6 | 2265.0 |
| 15° | 2442.9 | 2457.8 | 2583.8 | 2817.3 | 2917.4 | 2921.1 | 2932.3 | 2947.1 | 2780.3 | 2513.4 | 2235.3 |
| 17.5° | 2520.8 | 2561.6 | 2669.1 | 2813.6 | 2832.2 | 2787.7 | 2787.7 | 2850.7 | 2809.9 | 2628.3 | 2342.8 |
| 20° | 2709.8 | 2695.0 | 2835.9 | 2895.2 | 2795.1 | 2683.9 | 2672.8 | 2780.3 | 2843.3 | 2750.6 | 2539.3 |
| 22.5° | 2898.9 | 2965.6 | 3080.5 | 2947.1 | 2761.7 | 2613.5 | 2598.6 | 2732.1 | 2943.4 | 2961.9 | 2765.5 |
| 25° | 3184.3 | 3251.1 | 3310.4 | 3147.3 | 2758.0 | 2594.9 | 2606.0 | 2709.8 | 3065.7 | 3262.2 | 3143.6 |
| 27.5° | 3492.0 | 3532.8 | 3618.1 | 3366.0 | 2847.0 | 2572.7 | 2583.8 | 2739.5 | 3180.6 | 3458.7 | 3440.1 |
| 30° | 3666.3 | 3710.7 | 3692.2 | 3406.8 | 2906.3 | 2587.5 | 2557.9 | 2780.3 | 3117.6 | 3458.7 | 3632.9 |
| 32.5° | 3836.8 | 3810.8 | 3799.7 | 3473.5 | 2980.5 | 2680.2 | 2606.0 | 2865.5 | 3154.7 | 3514.3 | 3881.3 |
| 35° | 4044.4 | 4007.3 | 3977.7 | 3603.2 | 3102.8 | 2769.2 | 2735.8 | 2976.8 | 3236.2 | 3629.2 | 4081.4 |
| 37.5° | 4274.2 | 4274.2 | 4129.6 | 3699.6 | 3247.4 | 2913.7 | 2876.7 | 3136.2 | 3366.0 | 3699.6 | 4355.8 |
| 40° | 4544.8 | 4555.9 | 4300.2 | 3829.4 | 3410.5 | 3143.6 | 3132.4 | 3343.7 | 3492.0 | 3803.4 | 4619.0 |
| 42.5° | 4745.0 | 4752.4 | 4448.4 | 3877.6 | 3599.5 | 3462.4 | 3510.6 | 3677.4 | 3636.6 | 3896.1 | 4637.5 |
| 45° | 4882.2 | 4845.1 | 4552.2 | 4014.7 | 3807.1 | 3940.6 | 3955.4 | 4003.6 | 3825.7 | 3951.7 | 4711.6 |
| 47.5° | 4948.9 | 4941.5 | 4596.7 | 4174.1 | 4244.6 | 4426.2 | 4511.5 | 4444.7 | 3999.9 | 3892.4 | 4711.6 |
| 50° | 5015.6 | 4952.6 | 4637.5 | 4392.8 | 4670.9 | 5037.9 | 5019.3 | 4897.0 | 4240.9 | 3966.5 | 4641.2 |
| 52.5° | 5060.1 | 5004.5 | 4719.1 | 4589.3 | 5078.6 | 5493.8 | 5568.0 | 5341.8 | 4522.6 | 4103.7 | 4674.6 |
| 55° | 5219.5 | 5175.0 | 4963.7 | 4856.2 | 5549.4 | 5975.7 | 5986.9 | 5671.8 | 4819.1 | 4329.8 | 4893.3 |
| 57.5° | 5412.3 | 5438.2 | 5301.1 | 5234.3 | 5909.0 | 6327.9 | 6287.1 | 5916.4 | 5071.2 | 4604.1 | 5145.4 |
| 60° | 5549.4 | 5590.2 | 5556.8 | 5564.3 | 6087.0 | 6446.5 | 6353.9 | 6068.4 | 5256.6 | 4811.7 | 5453.1 |
| 62.5° | 5475.3 | 5556.8 | 5694.0 | 5664.4 | 6094.4 | 6361.3 | 6231.5 | 5868.2 | 5278.8 | 5082.3 | 5686.6 |
| 65° | 5271.4 | 5278.8 | 5545.7 | 5708.8 | 5760.7 | 5920.1 | 5749.6 | 5449.3 | 5049.0 | 5249.2 | 5653.2 |
| 67.5° | 4748.7 | 4808.0 | 5049.0 | 5367.8 | 5149.1 | 5186.1 | 5171.3 | 4737.6 | 4700.5 | 5134.2 | 5397.4 |
| 70° | 4192.7 | 4233.4 | 4496.6 | 4871.0 | 4348.4 | 4174.1 | 4207.5 | 3885.0 | 4037.0 | 4778.4 | 4882.2 |
| 72.5° | 3466.1 | 3492.0 | 3792.3 | 4122.2 | 3488.3 | 3176.9 | 3254.8 | 2991.6 | 3206.6 | 4181.5 | 4118.5 |
| 75° | 2617.2 | 2665.4 | 2898.9 | 3288.1 | 2569.0 | 2368.8 | 2446.6 | 2339.1 | 2539.3 | 3443.8 | 3195.5 |
| 77.5° | 1860.9 | 1823.9 | 2113.0 | 2572.7 | 1931.4 | 1812.7 | 1820.2 | 1838.7 | 2053.7 | 2902.6 | 2294.7 |
| 80° | 1267.8 | 1278.9 | 1538.4 | 1886.9 | 1516.2 | 1497.6 | 1479.1 | 1627.4 | 1723.8 | 2298.4 | 1668.2 |
| 82.5° | 752.5 | 752.5 | 1038.0 | 1341.9 | 1197.4 | 1349.4 | 1264.1 | 1397.6 | 1349.4 | 1690.4 | 1093.6 |
| 85° | 352.2 | 352.2 | 533.8 | 967.5 | 926.8 | 1112.1 | 945.3 | 1056.5 | 997.2 | 1178.8 | 493.0 |
| 87.5° | 59.3 | 51.9 | 107.5 | 474.5 | 381.8 | 433.7 | 170.5 | 563.5 | 626.5 | 823.0 | 122.3 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 |
| 2.5° | 2754.3 | 2728.4 | 2676.5 | 2609.8 | 2554.1 | 2483.7 | 2461.5 | 2413.3 | 2346.6 | 2339.1 | 2309.5 |
| 5° | 2594.9 | 2506.0 | 2394.7 | 2257.6 | 2164.9 | 2068.5 | 1987.0 | 1938.8 | 1883.2 | 1875.8 | 1860.9 |
| 7.5° | 2420.7 | 2309.5 | 2124.1 | 1961.0 | 1801.6 | 1649.6 | 1575.5 | 1482.8 | 1419.8 | 1371.6 | 1349.4 |
| 10° | 2257.6 | 2153.8 | 1924.0 | 1701.5 | 1560.7 | 1460.6 | 1371.6 | 1275.2 | 1197.4 | 1138.1 | 1115.8 |
| 12.5° | 2150.1 | 2027.7 | 1779.4 | 1568.1 | 1464.3 | 1349.4 | 1249.3 | 1145.5 | 1045.4 | 967.5 | 926.8 |
| 15° | 2101.9 | 1987.0 | 1734.9 | 1501.4 | 1349.4 | 1190.0 | 1075.0 | 971.2 | 848.9 | 793.3 | 774.8 |
| 17.5° | 2216.8 | 2046.3 | 1720.1 | 1423.5 | 1208.5 | 1026.8 | 886.0 | 774.8 | 685.8 | 630.2 | 608.0 |
| 20° | 2365.1 | 2153.8 | 1746.0 | 1330.8 | 1075.0 | 871.2 | 715.5 | 596.8 | 537.5 | 496.7 | 493.0 |
| 22.5° | 2554.1 | 2313.2 | 1786.8 | 1264.1 | 926.8 | 700.6 | 559.8 | 489.3 | 448.6 | 444.8 | 437.4 |
| 25° | 2891.5 | 2602.3 | 1853.5 | 1175.1 | 808.1 | 578.3 | 478.2 | 437.4 | 418.9 | 407.8 | 415.2 |
| 27.5° | 3180.6 | 2791.4 | 1901.7 | 1119.5 | 759.9 | 544.9 | 463.4 | 418.9 | 400.4 | 396.7 | 400.4 |
| 30° | 3351.2 | 2965.6 | 1886.9 | 1015.7 | 663.6 | 519.0 | 493.0 | 478.2 | 441.1 | 411.5 | 411.5 |
| 32.5° | 3506.9 | 3076.8 | 1883.2 | 923.1 | 567.2 | 433.7 | 411.5 | 400.4 | 422.6 | 437.4 | 426.3 |
| 35° | 3721.9 | 3251.1 | 1872.1 | 871.2 | 526.4 | 400.4 | 363.3 | 333.6 | 318.8 | 311.4 | 322.5 |
| 37.5° | 3951.7 | 3369.7 | 1842.4 | 863.7 | 504.2 | 381.8 | 352.2 | 322.5 | 307.7 | 300.3 | 296.6 |
| 40° | 4203.8 | 3495.7 | 1809.0 | 826.7 | 493.0 | 370.7 | 341.0 | 315.1 | 296.6 | 285.4 | 281.7 |
| 42.5° | 4366.9 | 3595.8 | 1775.7 | 808.1 | 470.8 | 363.3 | 329.9 | 307.7 | 289.1 | 274.3 | 274.3 |
| 45° | 4459.6 | 3714.5 | 1742.3 | 789.6 | 444.8 | 367.0 | 329.9 | 300.3 | 278.0 | 270.6 | 263.2 |
| 47.5° | 4500.3 | 3803.4 | 1731.2 | 759.9 | 422.6 | 352.2 | 322.5 | 292.9 | 270.6 | 255.8 | 252.1 |
| 50° | 4607.8 | 3992.5 | 1772.0 | 737.7 | 396.7 | 337.3 | 341.0 | 289.1 | 266.9 | 248.4 | 244.7 |
| 52.5° | 4670.9 | 4144.5 | 1860.9 | 704.3 | 378.1 | 318.8 | 333.6 | 281.7 | 255.8 | 237.3 | 237.3 |
| 55° | 4900.7 | 4396.5 | 1957.3 | 678.4 | 355.9 | 292.9 | 307.7 | 266.9 | 237.3 | 226.1 | 226.1 |
| 57.5° | 5193.6 | 4663.5 | 2038.9 | 667.3 | 341.0 | 274.3 | 274.3 | 259.5 | 226.1 | 211.3 | 207.6 |
| 60° | 5397.4 | 4882.2 | 2087.1 | 659.9 | 326.2 | 255.8 | 244.7 | 259.5 | 215.0 | 200.2 | 196.5 |
| 62.5° | 5419.7 | 4756.1 | 2038.9 | 656.1 | 322.5 | 237.3 | 222.4 | 248.4 | 203.9 | 189.1 | 181.6 |
| 65° | 5278.8 | 4500.3 | 1905.4 | 641.3 | 318.8 | 218.7 | 207.6 | 215.0 | 189.1 | 177.9 | 170.5 |
| 67.5° | 4997.1 | 4085.2 | 1712.7 | 633.9 | 315.1 | 203.9 | 189.1 | 185.4 | 174.2 | 163.1 | 155.7 |
| 70° | 4340.9 | 3543.9 | 1486.5 | 600.5 | 307.7 | 192.8 | 170.5 | 166.8 | 155.7 | 148.3 | 144.6 |
| 72.5° | 3644.0 | 2898.9 | 1227.0 | 556.1 | 292.9 | 174.2 | 155.7 | 148.3 | 144.6 | 133.5 | 129.7 |
| 75° | 2791.4 | 2231.6 | 982.4 | 493.0 | 255.8 | 155.7 | 137.2 | 129.7 | 126.0 | 118.6 | 114.9 |
| 77.5° | 1961.0 | 1660.8 | 726.6 | 400.4 | 215.0 | 140.9 | 122.3 | 114.9 | 111.2 | 100.1 | 100.1 |
| 80° | 1330.8 | 1164.0 | 493.0 | 278.0 | 166.8 | 114.9 | 107.5 | 100.1 | 92.7 | 85.3 | 85.3 |
| 82.5° | 826.7 | 815.5 | 355.9 | 181.6 | 122.3 | 92.7 | 85.3 | 85.3 | 74.1 | 66.7 | 66.7 |
| 85° | 378.1 | 500.5 | 248.4 | 126.0 | 92.7 | 70.4 | 70.4 | 66.7 | 59.3 | 48.2 | 48.2 |
| 87.5° | 118.6 | 166.8 | 129.7 | 55.6 | 51.9 | 40.8 | 40.8 | 37.1 | 37.1 | 29.7 | 29.7 |
| 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: CCW-SA-2E-722-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 | 2669.1 |
| 2.5° | 2339.1 | 2335.4 | 2335.4 | 2320.6 | 2357.7 | 2357.7 | 2379.9 | 2361.4 | 2372.5 | 2376.2 | 2405.9 |
| 5° | 1857.2 | 1886.9 | 1909.1 | 1953.6 | 1979.6 | 1990.7 | 1990.7 | 2020.3 | 2009.2 | 2031.5 | 2075.9 |
| 7.5° | 1360.5 | 1397.6 | 1464.3 | 1519.9 | 1564.4 | 1579.2 | 1575.5 | 1582.9 | 1594.0 | 1568.1 | 1575.5 |
| 10° | 1101.0 | 1075.0 | 1097.3 | 1149.2 | 1190.0 | 1238.2 | 1201.1 | 1197.4 | 1208.5 | 1197.4 | 1219.6 |
| 12.5° | 919.3 | 889.7 | 871.2 | 871.2 | 900.8 | 923.1 | 911.9 | 930.5 | 971.2 | 982.4 | 1008.3 |
| 15° | 745.1 | 719.2 | 704.3 | 685.8 | 715.5 | 722.9 | 734.0 | 759.9 | 789.6 | 804.4 | 834.1 |
| 17.5° | 596.8 | 596.8 | 596.8 | 582.0 | 593.1 | 604.2 | 608.0 | 641.3 | 645.0 | 659.9 | 671.0 |
| 20° | 489.3 | 500.5 | 519.0 | 526.4 | 537.5 | 537.5 | 530.1 | 548.6 | 533.8 | 544.9 | 552.3 |
| 22.5° | 441.1 | 456.0 | 463.4 | 467.1 | 481.9 | 485.6 | 467.1 | 470.8 | 474.5 | 463.4 | 467.1 |
| 25° | 415.2 | 422.6 | 415.2 | 418.9 | 422.6 | 415.2 | 418.9 | 426.3 | 422.6 | 430.0 | 426.3 |
| 27.5° | 404.1 | 396.7 | 392.9 | 389.2 | 389.2 | 381.8 | 385.5 | 385.5 | 392.9 | 396.7 | 396.7 |
| 30° | 404.1 | 392.9 | 378.1 | 367.0 | 367.0 | 355.9 | 363.3 | 370.7 | 374.4 | 381.8 | 381.8 |
| 32.5° | 415.2 | 392.9 | 367.0 | 355.9 | 344.8 | 337.3 | 344.8 | 355.9 | 370.7 | 374.4 | 378.1 |
| 35° | 329.9 | 341.0 | 337.3 | 322.5 | 318.8 | 318.8 | 315.1 | 315.1 | 304.0 | 304.0 | 300.3 |
| 37.5° | 296.6 | 292.9 | 300.3 | 304.0 | 307.7 | 296.6 | 296.6 | 281.7 | 278.0 | 281.7 | 281.7 |
| 40° | 278.0 | 278.0 | 278.0 | 289.1 | 292.9 | 285.4 | 274.3 | 266.9 | 266.9 | 266.9 | 270.6 |
| 42.5° | 270.6 | 263.2 | 259.5 | 266.9 | 278.0 | 270.6 | 259.5 | 255.8 | 255.8 | 259.5 | 259.5 |
| 45° | 259.5 | 255.8 | 252.1 | 248.4 | 263.2 | 252.1 | 248.4 | 244.7 | 244.7 | 244.7 | 248.4 |
| 47.5° | 248.4 | 244.7 | 237.3 | 237.3 | 241.0 | 237.3 | 233.5 | 233.5 | 233.5 | 241.0 | 241.0 |
| 50° | 241.0 | 237.3 | 229.8 | 229.8 | 229.8 | 229.8 | 226.1 | 226.1 | 226.1 | 229.8 | 233.5 |
| 52.5° | 229.8 | 226.1 | 222.4 | 218.7 | 218.7 | 218.7 | 218.7 | 218.7 | 218.7 | 222.4 | 226.1 |
| 55° | 218.7 | 215.0 | 211.3 | 211.3 | 215.0 | 215.0 | 211.3 | 215.0 | 211.3 | 215.0 | 218.7 |
| 57.5° | 207.6 | 203.9 | 200.2 | 203.9 | 207.6 | 203.9 | 203.9 | 203.9 | 203.9 | 203.9 | 207.6 |
| 60° | 192.8 | 192.8 | 192.8 | 192.8 | 200.2 | 200.2 | 200.2 | 200.2 | 192.8 | 196.5 | 200.2 |
| 62.5° | 185.4 | 181.6 | 181.6 | 185.4 | 189.1 | 189.1 | 192.8 | 189.1 | 185.4 | 189.1 | 189.1 |
| 65° | 170.5 | 170.5 | 170.5 | 174.2 | 174.2 | 177.9 | 177.9 | 177.9 | 174.2 | 177.9 | 177.9 |
| 67.5° | 159.4 | 159.4 | 159.4 | 159.4 | 166.8 | 166.8 | 166.8 | 166.8 | 163.1 | 163.1 | 166.8 |
| 70° | 140.9 | 144.6 | 140.9 | 148.3 | 155.7 | 152.0 | 155.7 | 155.7 | 152.0 | 148.3 | 155.7 |
| 72.5° | 129.7 | 129.7 | 129.7 | 129.7 | 140.9 | 140.9 | 140.9 | 144.6 | 140.9 | 137.2 | 140.9 |
| 75° | 114.9 | 114.9 | 114.9 | 118.6 | 126.0 | 126.0 | 126.0 | 126.0 | 126.0 | 122.3 | 122.3 |
| 77.5° | 100.1 | 103.8 | 100.1 | 103.8 | 111.2 | 107.5 | 111.2 | 114.9 | 111.2 | 107.5 | 107.5 |
| 80° | 85.3 | 85.3 | 85.3 | 89.0 | 92.7 | 92.7 | 92.7 | 96.4 | 92.7 | 89.0 | 89.0 |
| 82.5° | 66.7 | 66.7 | 70.4 | 70.4 | 74.1 | 74.1 | 74.1 | 77.8 | 74.1 | 70.4 | 70.4 |
| 85° | 51.9 | 51.9 | 51.9 | 55.6 | 55.6 | 59.3 | 59.3 | 63.0 | 63.0 | 59.3 | 59.3 |
| 87.5° | 33.4 | 29.7 | 33.4 | 33.4 | 37.1 | 37.1 | 33.4 | 29.7 | 33.4 | 29.7 | 25.9 |
| 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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| 57.5° | 218.7 | 252.1 | 278.0 | 263.2 | 352.2 | 756.2 | 2591.2 | 5156.5 | 5464.2 | 5412.3 |
| 60° | 207.6 | 252.1 | 248.4 | 244.7 | 326.2 | 734.0 | 2687.6 | 5193.6 | 5516.1 | 5549.4 |
| 62.5° | 200.2 | 263.2 | 218.7 | 226.1 | 304.0 | 722.9 | 2646.8 | 4915.5 | 5445.6 | 5475.3 |
| 65° | 192.8 | 226.1 | 200.2 | 207.6 | 296.6 | 700.6 | 2487.4 | 4581.9 | 5141.7 | 5271.4 |
| 67.5° | 177.9 | 185.4 | 185.4 | 192.8 | 289.1 | 648.7 | 2161.2 | 3981.4 | 4678.3 | 4748.7 |
| 70° | 163.1 | 166.8 | 166.8 | 177.9 | 281.7 | 589.4 | 1783.1 | 3443.8 | 4059.2 | 4192.7 |
| 72.5° | 148.3 | 148.3 | 148.3 | 163.1 | 259.5 | 541.2 | 1468.0 | 2646.8 | 3373.4 | 3466.1 |
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| 82.5° | 77.8 | 74.1 | 70.4 | 77.8 | 114.9 | 181.6 | 333.6 | 685.8 | 782.2 | 752.5 |
| 85° | 74.1 | 77.8 | 63.0 | 59.3 | 81.6 | 118.6 | 211.3 | 422.6 | 352.2 | 352.2 |
| 87.5° | 29.7 | 25.9 | 25.9 | 22.2 | 40.8 | 44.5 | 92.7 | 77.8 | 59.3 | 59.3 |
| 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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