

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: P673869

Luminaire Tested: **CCP-SA-2D-760-U-SL3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673869
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-760-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ SL3 distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

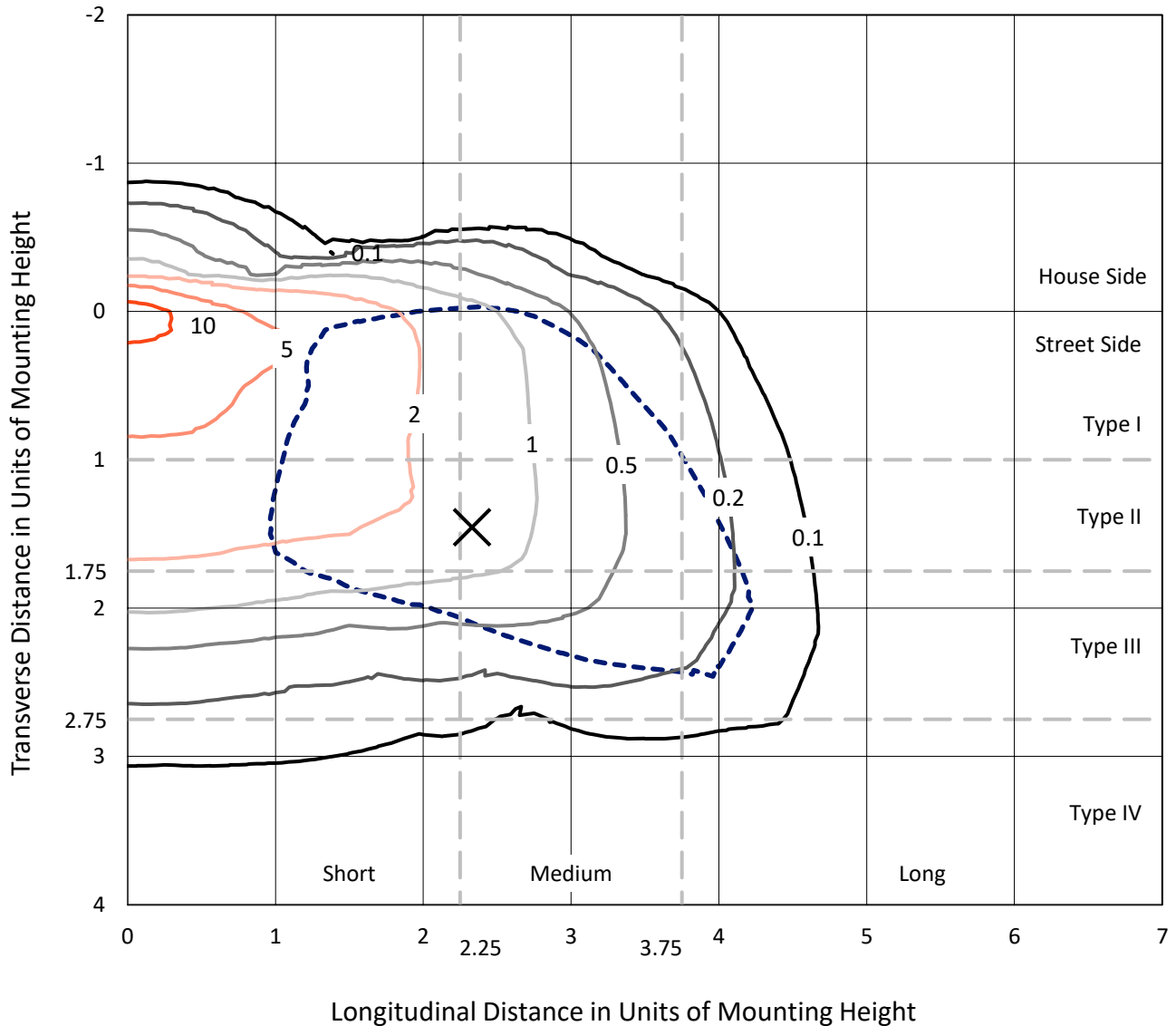
Lumens per Lamp: N/A
Luminaire Lumens: 9427.1 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

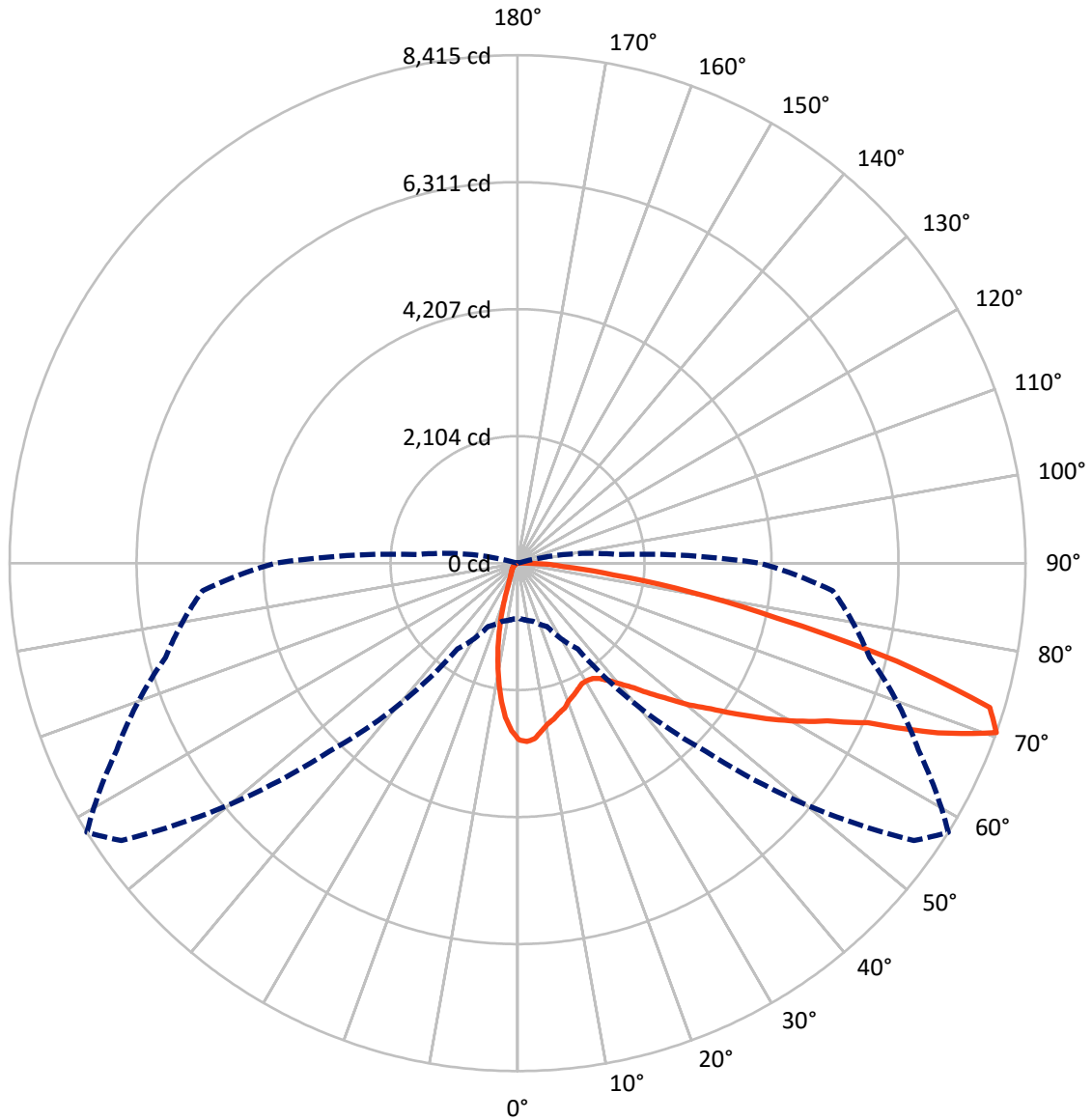
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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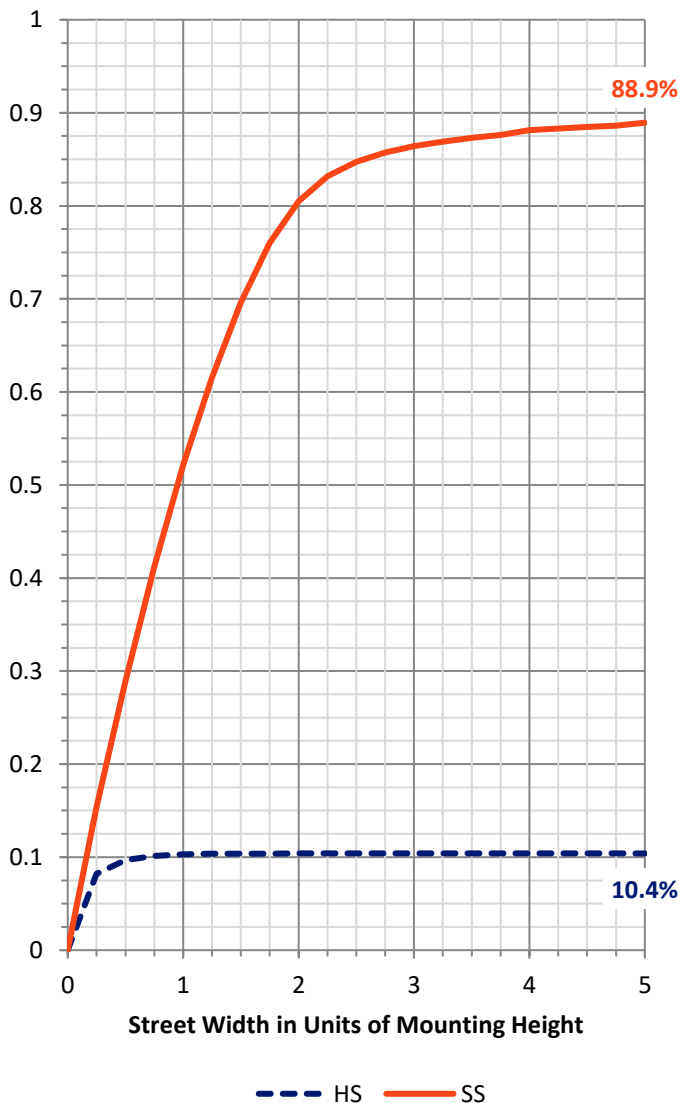
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 987.2 | 0.0 | 987.2 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| Street Side | Lumens | 8439.9 | 0.0 | 8439.9 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| Total | Lumens | 9427.1 | 0.0 | 9427.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 238.8 | 2.5 |
| 10°-20° | 497.1 | 5.3 |
| 20°-30° | 665.6 | 7.1 |
| 30°-40° | 899.8 | 9.5 |
| 40°-50° | 1291.4 | 13.7 |
| 50°-60° | 1903.1 | 20.2 |
| 60°-70° | 2321.3 | 24.6 |
| 70°-80° | 1417.5 | 15.0 |
| 80°-90° | 192.6 | 2.0 |
| 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° | 9427.1 | 100.0 |
| 0°-180° | 9427.1 | 100.0 |



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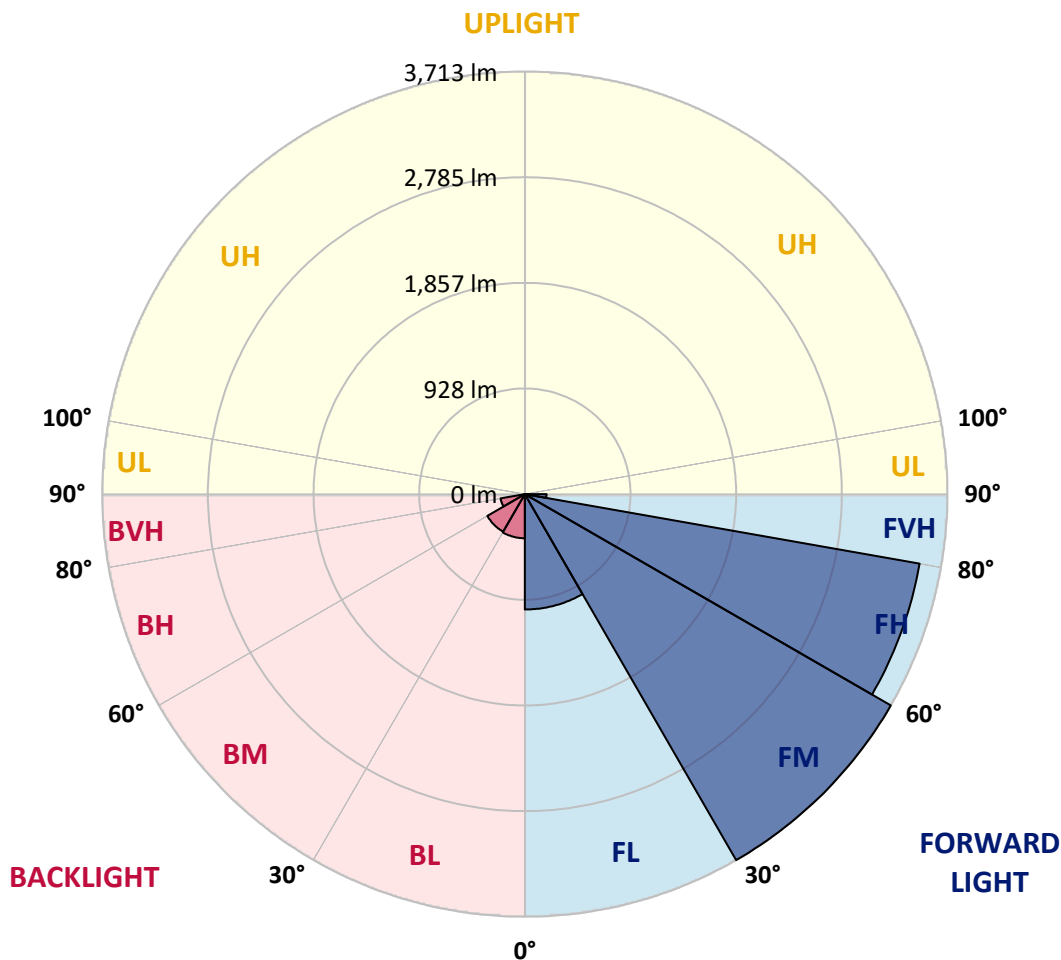
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1013.6 | 10.8 | | | |
| FM (30°-60°) | 3713.2 | 39.4 | | | |
| FH (60°-80°) | 3522.4 | 37.4 | | | G2/5000 |
| FVH (80°-90°) | 190.7 | 2.0 | | | G2/225 |
| BL (0°-30°) | 388.0 | 4.1 | B1/500 | | |
| BM (30°-60°) | 381.0 | 4.0 | B1/1000 | | |
| BH (60°-80°) | 216.3 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.9 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 |
| 2.5° | 2979.5 | 2990.6 | 2964.0 | 2995.0 | 2966.2 | 2979.5 | 2964.0 | 2959.6 | 2961.8 | 2964.0 | 2946.4 |
| 5° | 2840.3 | 2866.8 | 2877.8 | 2860.1 | 2902.1 | 2895.5 | 2922.0 | 2924.2 | 2913.2 | 2902.1 | 2904.4 |
| 7.5° | 2656.8 | 2683.3 | 2694.4 | 2705.4 | 2747.4 | 2802.7 | 2838.0 | 2815.9 | 2833.6 | 2873.4 | 2813.7 |
| 10° | 2524.2 | 2517.5 | 2515.3 | 2537.4 | 2617.0 | 2663.4 | 2723.1 | 2716.5 | 2760.7 | 2798.3 | 2749.6 |
| 12.5° | 2360.6 | 2347.4 | 2387.1 | 2404.8 | 2475.6 | 2557.3 | 2603.8 | 2652.4 | 2696.6 | 2736.4 | 2681.1 |
| 15° | 2239.0 | 2250.1 | 2265.6 | 2303.1 | 2354.0 | 2462.3 | 2530.8 | 2577.2 | 2656.8 | 2676.7 | 2654.6 |
| 17.5° | 2141.8 | 2150.6 | 2172.7 | 2192.6 | 2256.7 | 2360.6 | 2468.9 | 2524.2 | 2608.2 | 2661.2 | 2592.7 |
| 20° | 2144.0 | 2117.5 | 2117.5 | 2137.4 | 2172.7 | 2296.5 | 2411.5 | 2429.1 | 2544.1 | 2634.7 | 2588.3 |
| 22.5° | 2146.2 | 2137.4 | 2117.5 | 2115.3 | 2130.7 | 2219.2 | 2336.3 | 2376.1 | 2499.9 | 2606.0 | 2550.7 |
| 25° | 2177.2 | 2144.0 | 2146.2 | 2115.3 | 2121.9 | 2166.1 | 2258.9 | 2318.6 | 2460.1 | 2621.4 | 2530.8 |
| 27.5° | 2203.7 | 2219.2 | 2188.2 | 2175.0 | 2137.4 | 2135.2 | 2212.5 | 2263.4 | 2440.2 | 2656.8 | 2544.1 |
| 30° | 2263.4 | 2274.4 | 2274.4 | 2265.6 | 2230.2 | 2179.4 | 2197.1 | 2261.2 | 2400.4 | 2650.2 | 2522.0 |
| 32.5° | 2362.8 | 2342.9 | 2369.5 | 2356.2 | 2309.8 | 2230.2 | 2245.7 | 2278.8 | 2424.7 | 2734.2 | 2557.3 |
| 35° | 2396.0 | 2411.5 | 2446.8 | 2418.1 | 2402.6 | 2356.2 | 2325.3 | 2349.6 | 2460.1 | 2818.2 | 2610.4 |
| 37.5° | 2497.7 | 2475.6 | 2499.9 | 2564.0 | 2579.4 | 2495.4 | 2435.8 | 2471.1 | 2592.7 | 2917.6 | 2659.0 |
| 40° | 2506.5 | 2524.2 | 2568.4 | 2694.4 | 2709.8 | 2674.5 | 2625.9 | 2634.7 | 2725.3 | 3045.8 | 2780.6 |
| 42.5° | 2550.7 | 2570.6 | 2661.2 | 2767.3 | 2851.3 | 2857.9 | 2822.6 | 2822.6 | 2899.9 | 3251.4 | 2915.4 |
| 45° | 2636.9 | 2603.8 | 2720.9 | 2899.9 | 3021.5 | 3045.8 | 3092.2 | 3081.2 | 3143.1 | 3468.0 | 3167.4 |
| 47.5° | 2670.1 | 2681.1 | 2809.3 | 3025.9 | 3165.2 | 3277.9 | 3355.3 | 3357.5 | 3388.4 | 3744.3 | 3494.5 |
| 50° | 2778.4 | 2776.2 | 2930.9 | 3132.0 | 3337.6 | 3543.1 | 3693.4 | 3693.4 | 3691.2 | 4013.9 | 3775.2 |
| 52.5° | 2922.0 | 2917.6 | 3037.0 | 3275.7 | 3543.1 | 3801.7 | 4000.7 | 4007.3 | 4058.1 | 4345.5 | 4097.9 |
| 55° | 3156.3 | 3136.4 | 3251.4 | 3428.2 | 3748.7 | 4062.6 | 4407.4 | 4409.6 | 4369.8 | 4582.0 | 4330.0 |
| 57.5° | 3353.0 | 3350.8 | 3445.9 | 3616.1 | 3978.6 | 4398.5 | 4798.6 | 4858.3 | 4732.3 | 4825.1 | 4515.7 |
| 60° | 3302.2 | 3330.9 | 3527.7 | 3779.6 | 4221.7 | 4818.5 | 5220.8 | 5313.6 | 5112.5 | 4990.9 | 4654.9 |
| 62.5° | 2986.1 | 3052.4 | 3266.8 | 3669.1 | 4427.3 | 5428.5 | 5802.1 | 5760.1 | 5311.4 | 5132.4 | 4825.1 |
| 65° | 2148.4 | 2214.7 | 2480.0 | 3083.4 | 4188.5 | 5859.5 | 6566.8 | 6376.8 | 5665.0 | 5342.3 | 5052.8 |
| 67.5° | 1264.3 | 1290.8 | 1456.6 | 1967.2 | 3132.0 | 5625.3 | 7495.2 | 7510.7 | 6361.3 | 5665.0 | 5446.2 |
| 70° | 912.9 | 932.8 | 996.9 | 1160.4 | 1735.1 | 4409.6 | 8012.4 | 8414.7 | 7327.2 | 6036.4 | 5238.4 |
| 72.5° | 700.7 | 700.7 | 809.0 | 965.9 | 1105.2 | 2641.3 | 7373.6 | 8180.4 | 7537.2 | 5680.5 | 4221.7 |
| 75° | 504.0 | 517.2 | 634.4 | 831.1 | 1019.0 | 1326.2 | 5433.0 | 6491.7 | 6387.8 | 4604.1 | 2948.6 |
| 77.5° | 289.6 | 296.2 | 446.5 | 696.2 | 957.1 | 910.6 | 3357.5 | 4400.7 | 4524.5 | 2882.3 | 1277.6 |
| 80° | 148.1 | 152.5 | 249.8 | 550.4 | 866.4 | 793.5 | 2002.5 | 2897.7 | 2457.9 | 837.7 | 296.2 |
| 82.5° | 72.9 | 72.9 | 112.7 | 351.4 | 736.0 | 702.9 | 1178.1 | 1600.3 | 870.9 | 192.3 | 123.8 |
| 85° | 24.3 | 26.5 | 50.8 | 198.9 | 532.7 | 424.4 | 720.6 | 760.3 | 291.8 | 72.9 | 68.5 |
| 87.5° | 6.6 | 8.8 | 13.3 | 72.9 | 232.1 | 278.5 | 428.8 | 486.3 | 119.4 | 28.7 | 33.2 |
| 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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 CATALOG NUMBER: CCP-SA-2D-760-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 | 2926.5 |
| 2.5° | 2880.0 | 2864.6 | 2846.9 | 2802.7 | 2767.3 | 2720.9 | 2690.0 | 2665.6 | 2619.2 | 2628.1 | 2608.2 |
| 5° | 2851.3 | 2822.6 | 2720.9 | 2623.6 | 2535.2 | 2400.4 | 2307.6 | 2247.9 | 2199.3 | 2150.6 | 2186.0 |
| 7.5° | 2800.5 | 2731.9 | 2572.8 | 2391.6 | 2203.7 | 2026.9 | 1850.0 | 1743.9 | 1666.6 | 1595.8 | 1593.6 |
| 10° | 2714.3 | 2603.8 | 2354.0 | 2117.5 | 1827.9 | 1595.8 | 1370.4 | 1193.6 | 1078.6 | 994.6 | 992.4 |
| 12.5° | 2617.0 | 2502.1 | 2188.2 | 1803.6 | 1469.9 | 1142.7 | 873.1 | 685.2 | 576.9 | 510.6 | 501.7 |
| 15° | 2555.1 | 2387.1 | 1980.4 | 1525.1 | 1111.8 | 744.9 | 484.1 | 366.9 | 324.9 | 309.4 | 309.4 |
| 17.5° | 2475.6 | 2283.3 | 1774.9 | 1235.6 | 771.4 | 431.0 | 313.9 | 282.9 | 280.7 | 276.3 | 271.9 |
| 20° | 2442.4 | 2203.7 | 1591.4 | 985.8 | 488.5 | 305.0 | 269.7 | 263.0 | 263.0 | 258.6 | 254.2 |
| 22.5° | 2354.0 | 2088.7 | 1396.9 | 722.8 | 324.9 | 267.4 | 254.2 | 245.3 | 240.9 | 236.5 | 240.9 |
| 25° | 2314.2 | 2007.0 | 1213.5 | 499.5 | 265.2 | 238.7 | 232.1 | 223.2 | 216.6 | 214.4 | 214.4 |
| 27.5° | 2287.7 | 1925.2 | 1034.4 | 347.0 | 234.3 | 218.8 | 205.6 | 198.9 | 190.1 | 181.2 | 181.2 |
| 30° | 2267.8 | 1861.1 | 862.0 | 256.4 | 210.0 | 194.5 | 183.5 | 168.0 | 156.9 | 148.1 | 148.1 |
| 32.5° | 2241.3 | 1785.9 | 689.6 | 218.8 | 190.1 | 174.6 | 154.7 | 141.5 | 126.0 | 119.4 | 119.4 |
| 35° | 2250.1 | 1735.1 | 541.5 | 194.5 | 170.2 | 150.3 | 132.6 | 114.9 | 99.5 | 92.8 | 90.6 |
| 37.5° | 2267.8 | 1697.5 | 411.1 | 174.6 | 152.5 | 130.4 | 110.5 | 90.6 | 81.8 | 72.9 | 72.9 |
| 40° | 2342.9 | 1686.5 | 302.8 | 161.4 | 139.2 | 114.9 | 92.8 | 75.2 | 66.3 | 59.7 | 57.5 |
| 42.5° | 2468.9 | 1701.9 | 234.3 | 145.9 | 126.0 | 97.3 | 77.4 | 61.9 | 53.0 | 46.4 | 44.2 |
| 45° | 2630.3 | 1761.6 | 192.3 | 137.0 | 110.5 | 81.8 | 61.9 | 50.8 | 39.8 | 35.4 | 35.4 |
| 47.5° | 2864.6 | 1854.5 | 168.0 | 126.0 | 97.3 | 68.5 | 53.0 | 39.8 | 30.9 | 26.5 | 26.5 |
| 50° | 3129.8 | 1960.5 | 148.1 | 112.7 | 84.0 | 57.5 | 42.0 | 30.9 | 22.1 | 19.9 | 19.9 |
| 52.5° | 3395.0 | 2095.4 | 137.0 | 103.9 | 72.9 | 46.4 | 33.2 | 22.1 | 15.5 | 13.3 | 13.3 |
| 55° | 3673.5 | 2214.7 | 123.8 | 97.3 | 59.7 | 37.6 | 24.3 | 13.3 | 8.8 | 6.6 | 6.6 |
| 57.5° | 3868.1 | 2261.2 | 108.3 | 84.0 | 46.4 | 28.7 | 17.7 | 8.8 | 4.4 | 2.2 | 2.2 |
| 60° | 4007.3 | 2267.8 | 92.8 | 68.5 | 35.4 | 22.1 | 11.1 | 4.4 | 2.2 | 0.0 | 0.0 |
| 62.5° | 4124.4 | 2281.0 | 79.6 | 53.0 | 26.5 | 15.5 | 6.6 | 2.2 | 0.0 | 0.0 | 0.0 |
| 65° | 4356.5 | 2270.0 | 64.1 | 42.0 | 17.7 | 8.8 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 4540.0 | 2159.5 | 50.8 | 28.7 | 11.1 | 4.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 4016.1 | 1646.7 | 39.8 | 19.9 | 6.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 3154.1 | 1098.5 | 26.5 | 11.1 | 4.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2068.9 | 545.9 | 19.9 | 6.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 804.6 | 143.7 | 13.3 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 194.5 | 48.6 | 6.6 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 84.0 | 17.7 | 4.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 50.8 | 8.8 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 26.5 | 4.4 | 2.2 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)