

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: P674212

Luminaire Tested: **CCP-SA-2D-850-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674212
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-850-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ SLL distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

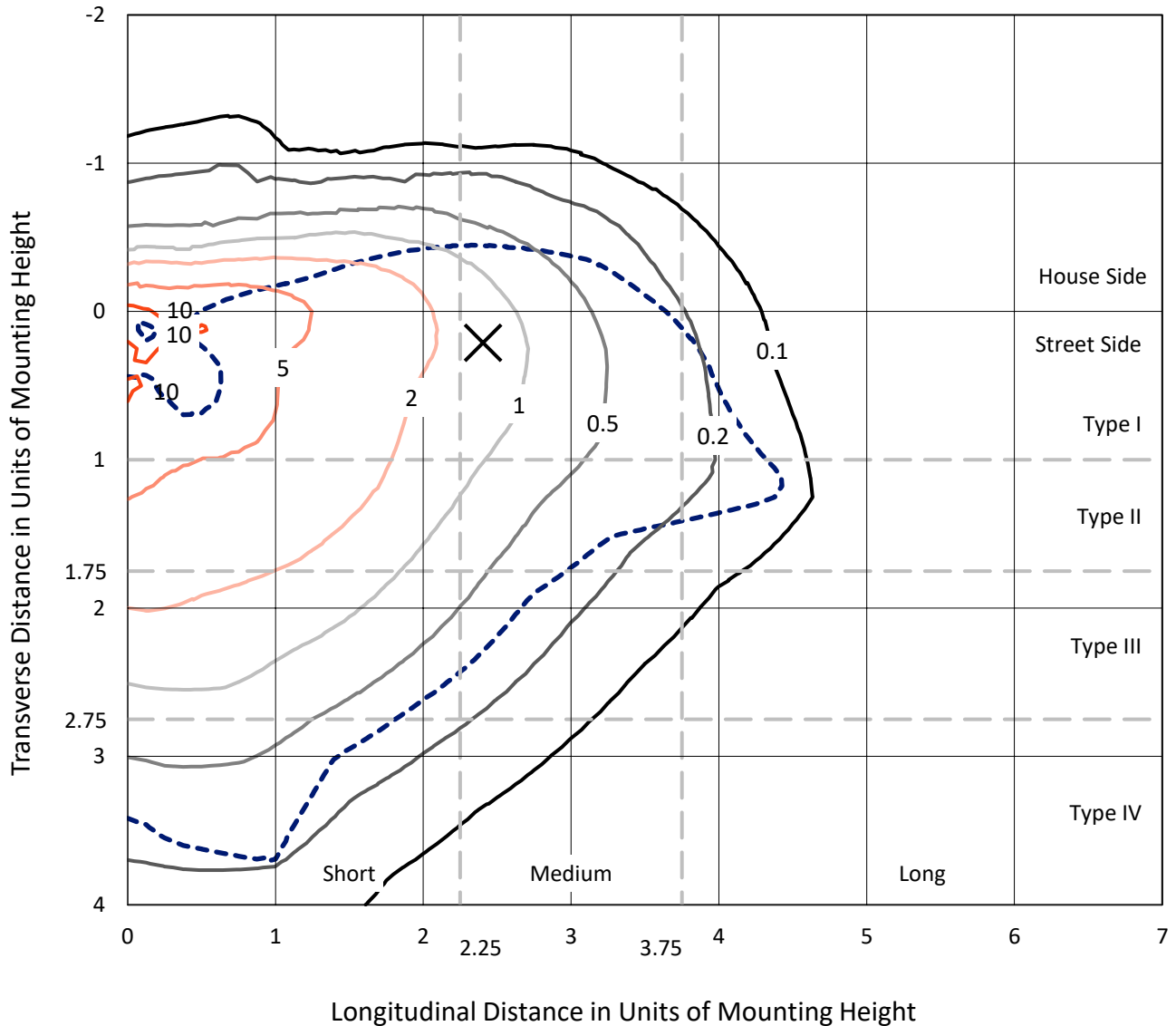
Lumens per Lamp: N/A
Luminaire Lumens: 7060.9 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

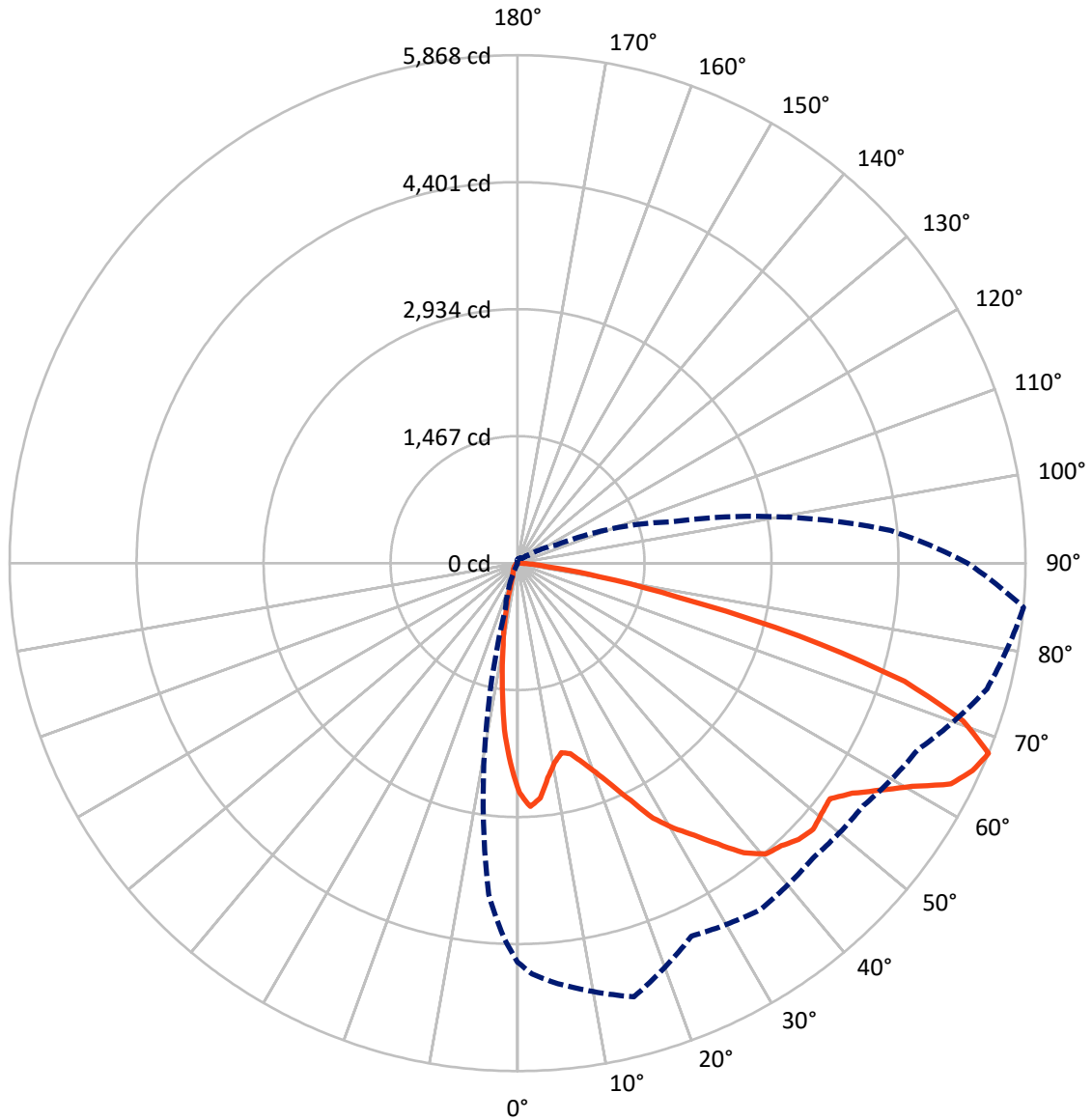
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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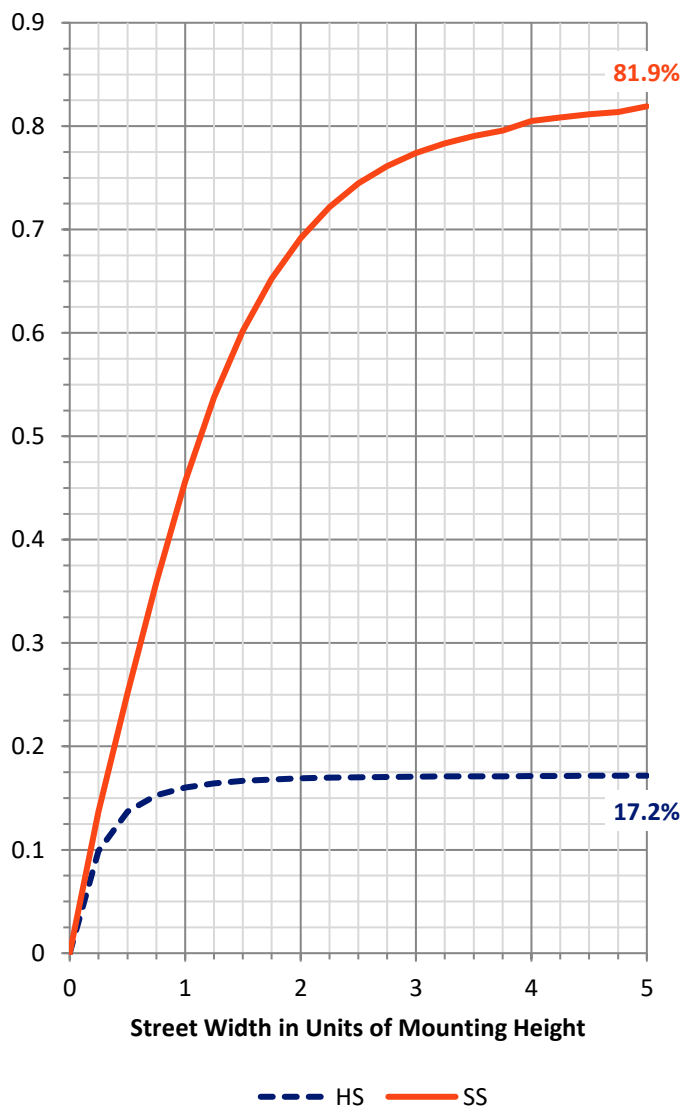
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1226.0 | 0.0 | 1226.0 |
| | % Fixture | 17.4 | 0.0 | 17.4 |
| Street Side | Lumens | 5834.9 | 0.0 | 5834.9 |
| | % Fixture | 82.6 | 0.0 | 82.6 |
| Total | Lumens | 7060.9 | 0.0 | 7060.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 201.7 | 2.9 |
| 10°-20° | 395.5 | 5.6 |
| 20°-30° | 547.3 | 7.8 |
| 30°-40° | 773.5 | 11.0 |
| 40°-50° | 1053.1 | 14.9 |
| 50°-60° | 1394.8 | 19.8 |
| 60°-70° | 1619.4 | 22.9 |
| 70°-80° | 917.1 | 13.0 |
| 80°-90° | 158.5 | 2.2 |
| 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° | 7060.9 | 100.0 |
| 0°-180° | 7060.9 | 100.0 |



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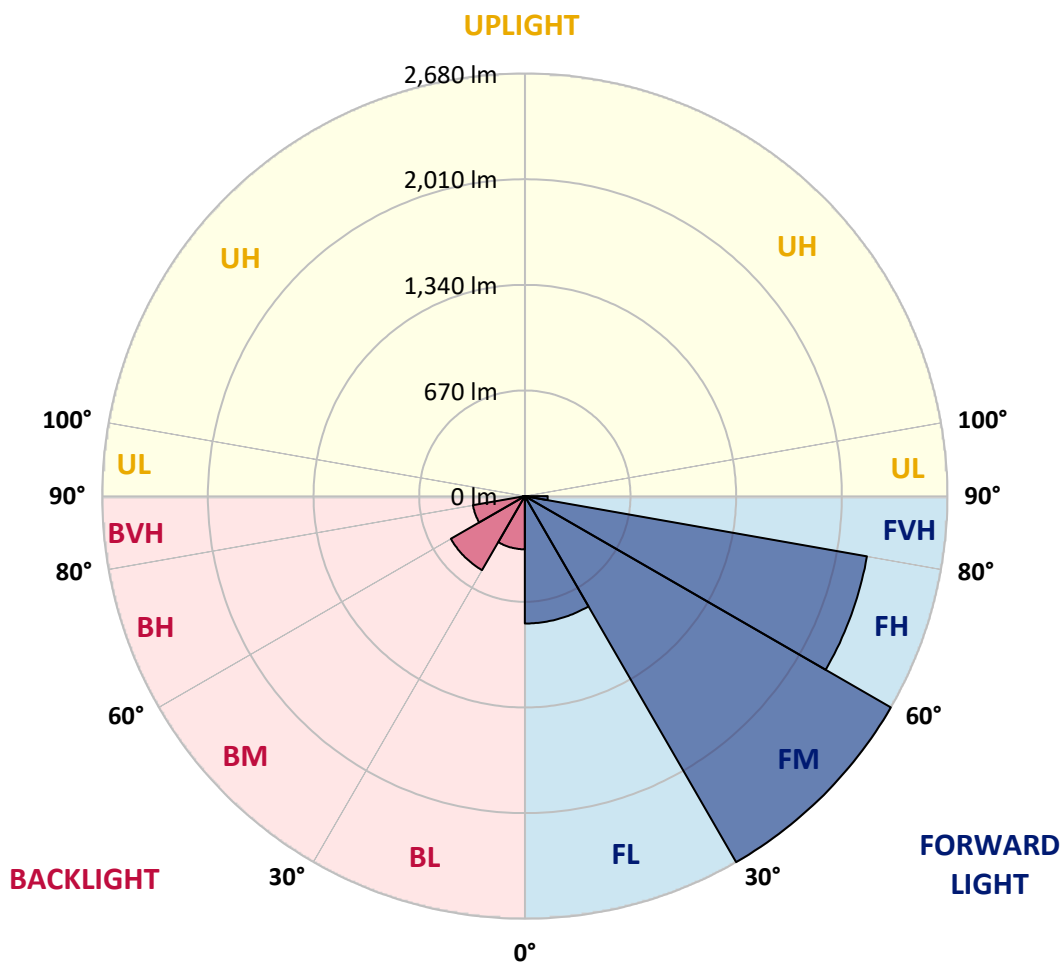
CATALOG NUMBER: CCP-SA-2D-850-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 807.4 | 11.4 | | | |
| FM (30°-60°) | 2679.7 | 38.0 | | | |
| FH (60°-80°) | 2202.7 | 31.2 | | | G2/5000 |
| FVH (80°-90°) | 145.1 | 2.1 | | | G2/225 |
| BL (0°-30°) | 337.0 | 4.8 | B1/500 | | |
| BM (30°-60°) | 541.7 | 7.7 | B1/1000 | | |
| BH (60°-80°) | 333.9 | 4.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 13.4 | 0.2 | | | G1/100 |
| 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° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 |
| 2.5° | 2758.6 | 2817.0 | 2818.9 | 2845.3 | 2871.7 | 2871.7 | 2933.9 | 2918.8 | 2864.1 | 2854.7 | 2815.1 |
| 5° | 2779.3 | 2800.0 | 2815.1 | 2949.0 | 3062.1 | 3050.8 | 3084.8 | 3062.1 | 2956.5 | 2820.8 | 2728.4 |
| 7.5° | 2600.2 | 2622.8 | 2683.1 | 2911.3 | 3064.0 | 3114.9 | 3179.0 | 3037.6 | 2926.4 | 2681.2 | 2504.0 |
| 10° | 2362.6 | 2406.0 | 2517.2 | 2777.4 | 2966.0 | 3128.1 | 3128.1 | 3015.0 | 2800.0 | 2560.6 | 2343.7 |
| 12.5° | 2230.6 | 2317.3 | 2377.7 | 2641.6 | 2886.8 | 2998.0 | 2994.2 | 2933.9 | 2794.4 | 2492.7 | 2247.6 |
| 15° | 2253.2 | 2277.7 | 2406.0 | 2611.5 | 2773.6 | 2768.0 | 2835.9 | 2817.0 | 2719.0 | 2553.0 | 2283.4 |
| 17.5° | 2356.9 | 2394.6 | 2505.9 | 2611.5 | 2688.8 | 2666.2 | 2664.3 | 2754.8 | 2760.4 | 2654.8 | 2417.3 |
| 20° | 2526.6 | 2637.9 | 2690.7 | 2722.7 | 2628.4 | 2532.3 | 2521.0 | 2647.3 | 2745.4 | 2784.9 | 2577.5 |
| 22.5° | 2798.1 | 2871.7 | 2979.2 | 2815.1 | 2570.0 | 2449.3 | 2426.7 | 2566.2 | 2764.2 | 2939.6 | 2784.9 |
| 25° | 3064.0 | 3120.6 | 3224.3 | 3013.1 | 2636.0 | 2432.4 | 2392.8 | 2513.4 | 2835.9 | 3154.5 | 3035.7 |
| 27.5° | 3345.0 | 3394.0 | 3405.3 | 3158.3 | 2671.8 | 2398.4 | 2351.3 | 2513.4 | 2896.2 | 3267.6 | 3335.5 |
| 30° | 3516.5 | 3575.0 | 3586.3 | 3286.5 | 2730.3 | 2426.7 | 2404.1 | 2524.7 | 2937.7 | 3363.8 | 3550.5 |
| 32.5° | 3708.9 | 3723.9 | 3714.5 | 3309.1 | 2794.4 | 2509.7 | 2415.4 | 2600.2 | 2984.8 | 3478.8 | 3746.6 |
| 35° | 3938.9 | 3965.3 | 3869.1 | 3412.8 | 2937.7 | 2562.5 | 2528.5 | 2692.6 | 3065.9 | 3531.6 | 3984.2 |
| 37.5° | 4114.3 | 4197.2 | 3980.4 | 3452.4 | 2966.0 | 2673.7 | 2679.4 | 2884.9 | 3122.5 | 3595.7 | 4246.2 |
| 40° | 4444.2 | 4304.7 | 4168.9 | 3588.2 | 3073.4 | 2862.3 | 2832.1 | 3082.9 | 3312.9 | 3637.2 | 4417.8 |
| 42.5° | 4625.2 | 4551.7 | 4242.5 | 3601.4 | 3239.4 | 3122.5 | 3130.0 | 3307.2 | 3412.8 | 3754.1 | 4465.0 |
| 45° | 4670.5 | 4593.2 | 4342.4 | 3610.8 | 3403.4 | 3429.8 | 3559.9 | 3593.8 | 3559.9 | 3831.4 | 4553.6 |
| 47.5° | 4785.5 | 4617.7 | 4331.1 | 3737.1 | 3669.3 | 3771.1 | 3937.0 | 4010.6 | 3759.8 | 3803.1 | 4595.1 |
| 50° | 4762.9 | 4666.7 | 4306.6 | 3789.9 | 3993.6 | 4263.2 | 4374.5 | 4344.3 | 3982.3 | 3744.7 | 4549.8 |
| 52.5° | 4668.6 | 4564.9 | 4382.0 | 3933.2 | 4297.2 | 4623.4 | 4778.0 | 4702.5 | 4180.3 | 3876.7 | 4519.6 |
| 55° | 4806.3 | 4727.1 | 4480.1 | 4127.5 | 4525.3 | 4940.1 | 5049.5 | 4992.9 | 4423.5 | 3999.2 | 4691.2 |
| 57.5° | 4955.2 | 4938.2 | 4745.9 | 4355.6 | 4794.9 | 5266.3 | 5266.3 | 5196.6 | 4634.7 | 4176.5 | 4945.8 |
| 60° | 5170.2 | 5207.9 | 4942.0 | 4506.5 | 4887.3 | 5247.5 | 5520.9 | 5439.8 | 4847.7 | 4487.6 | 5234.3 |
| 62.5° | 5100.4 | 5221.1 | 5194.7 | 4830.8 | 4992.9 | 5339.9 | 5488.8 | 5549.2 | 5111.7 | 4866.6 | 5618.9 |
| 65° | 4876.0 | 5004.2 | 5192.8 | 5043.8 | 4913.7 | 5115.5 | 5190.9 | 5373.8 | 5243.7 | 5223.0 | 5777.3 |
| 67.5° | 4608.3 | 4747.8 | 4864.7 | 5187.1 | 4753.5 | 4887.3 | 4821.3 | 4879.8 | 5100.4 | 5613.3 | 5867.8 |
| 70° | 4023.8 | 4157.6 | 4342.4 | 4868.5 | 4329.2 | 4208.5 | 4191.6 | 4163.3 | 4506.5 | 5473.7 | 5456.8 |
| 72.5° | 3309.1 | 3371.4 | 3676.8 | 3957.8 | 3203.5 | 3180.9 | 3207.3 | 3175.3 | 3573.1 | 4955.2 | 4674.3 |
| 75° | 2477.6 | 2539.8 | 2713.3 | 3039.5 | 2181.6 | 2051.5 | 2202.3 | 2351.3 | 2728.4 | 3846.5 | 3358.2 |
| 77.5° | 1862.9 | 1942.1 | 2051.5 | 2274.0 | 1600.8 | 1397.2 | 1417.9 | 1559.3 | 1972.3 | 3081.0 | 1881.8 |
| 80° | 1208.6 | 1199.2 | 1410.4 | 1565.0 | 1204.9 | 1242.6 | 1189.8 | 1293.5 | 1429.2 | 1648.0 | 961.6 |
| 82.5° | 697.7 | 707.1 | 795.7 | 897.5 | 839.1 | 959.7 | 692.0 | 1155.8 | 1020.1 | 671.3 | 358.3 |
| 85° | 392.2 | 409.2 | 490.2 | 622.2 | 526.1 | 352.6 | 288.5 | 573.2 | 641.1 | 275.3 | 173.5 |
| 87.5° | 39.6 | 33.9 | 66.0 | 235.7 | 143.3 | 58.5 | 86.7 | 137.6 | 154.6 | 103.7 | 50.9 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 |
| 2.5° | 2758.6 | 2758.6 | 2711.4 | 2632.2 | 2600.2 | 2543.6 | 2466.3 | 2490.8 | 2464.4 | 2368.2 | 2343.7 |
| 5° | 2645.4 | 2554.9 | 2456.9 | 2336.2 | 2266.4 | 2123.1 | 2077.9 | 1996.8 | 2010.0 | 1928.9 | 1932.7 |
| 7.5° | 2409.7 | 2338.1 | 2172.1 | 2013.8 | 1876.1 | 1751.7 | 1576.3 | 1510.3 | 1446.2 | 1414.2 | 1451.9 |
| 10° | 2272.1 | 2138.2 | 1911.9 | 1704.5 | 1521.6 | 1410.4 | 1293.5 | 1203.0 | 1120.0 | 1057.8 | 1044.6 |
| 12.5° | 2172.1 | 2053.4 | 1780.0 | 1527.3 | 1384.0 | 1293.5 | 1186.0 | 1061.6 | 980.5 | 873.0 | 841.0 |
| 15° | 2142.0 | 1996.8 | 1708.3 | 1457.5 | 1318.0 | 1169.0 | 1046.5 | 923.9 | 818.3 | 705.2 | 665.6 |
| 17.5° | 2245.7 | 2077.9 | 1706.4 | 1401.0 | 1204.9 | 1044.6 | 874.9 | 737.2 | 629.8 | 526.1 | 501.6 |
| 20° | 2421.0 | 2164.6 | 1761.1 | 1367.0 | 1097.4 | 882.4 | 690.1 | 552.5 | 431.8 | 363.9 | 346.9 |
| 22.5° | 2620.9 | 2311.7 | 1766.8 | 1276.5 | 989.9 | 720.3 | 503.4 | 363.9 | 296.0 | 264.0 | 254.5 |
| 25° | 2866.0 | 2547.4 | 1834.6 | 1203.0 | 863.6 | 546.8 | 358.3 | 279.1 | 239.5 | 220.6 | 216.8 |
| 27.5° | 3067.8 | 2711.4 | 1908.2 | 1125.7 | 739.1 | 405.4 | 280.9 | 228.2 | 207.4 | 188.6 | 186.7 |
| 30° | 3277.1 | 2900.0 | 1928.9 | 1078.5 | 631.7 | 333.7 | 241.3 | 201.8 | 179.1 | 169.7 | 167.8 |
| 32.5° | 3460.0 | 3105.5 | 1994.9 | 1001.2 | 529.8 | 294.1 | 218.7 | 181.0 | 165.9 | 150.8 | 149.0 |
| 35° | 3695.7 | 3224.3 | 2027.0 | 959.7 | 492.1 | 265.9 | 199.9 | 165.9 | 143.3 | 133.9 | 130.1 |
| 37.5° | 3948.3 | 3339.3 | 2047.7 | 927.7 | 460.1 | 248.9 | 188.6 | 156.5 | 135.8 | 122.6 | 118.8 |
| 40° | 4184.0 | 3501.5 | 2017.5 | 888.1 | 435.6 | 228.2 | 181.0 | 145.2 | 126.3 | 113.1 | 107.5 |
| 42.5° | 4365.0 | 3659.8 | 2008.1 | 850.4 | 409.2 | 220.6 | 171.6 | 139.5 | 118.8 | 103.7 | 101.8 |
| 45° | 4466.9 | 3767.3 | 1942.1 | 820.2 | 388.4 | 224.4 | 167.8 | 132.0 | 113.1 | 99.9 | 92.4 |
| 47.5° | 4442.3 | 3850.3 | 1959.1 | 810.8 | 360.1 | 209.3 | 165.9 | 126.3 | 103.7 | 92.4 | 86.7 |
| 50° | 4578.1 | 4018.1 | 1930.8 | 780.6 | 339.4 | 188.6 | 181.0 | 126.3 | 101.8 | 88.6 | 83.0 |
| 52.5° | 4600.7 | 4170.8 | 1991.1 | 725.9 | 307.3 | 173.5 | 179.1 | 124.4 | 98.0 | 84.8 | 77.3 |
| 55° | 4789.3 | 4348.1 | 2108.0 | 695.8 | 280.9 | 150.8 | 164.0 | 120.7 | 88.6 | 77.3 | 73.5 |
| 57.5° | 5045.7 | 4715.7 | 2183.5 | 667.5 | 245.1 | 132.0 | 137.6 | 118.8 | 81.1 | 71.7 | 66.0 |
| 60° | 5292.7 | 4862.8 | 2189.1 | 616.6 | 211.2 | 118.8 | 107.5 | 118.8 | 75.4 | 64.1 | 58.5 |
| 62.5° | 5477.5 | 4862.8 | 2151.4 | 573.2 | 184.8 | 105.6 | 94.3 | 113.1 | 67.9 | 56.6 | 52.8 |
| 65° | 5377.6 | 4732.7 | 2053.4 | 537.4 | 167.8 | 92.4 | 81.1 | 86.7 | 60.3 | 49.0 | 45.3 |
| 67.5° | 5198.4 | 4327.3 | 1836.5 | 494.0 | 165.9 | 81.1 | 69.8 | 64.1 | 52.8 | 43.4 | 39.6 |
| 70° | 4911.8 | 3780.5 | 1529.2 | 445.0 | 162.2 | 73.5 | 62.2 | 54.7 | 47.1 | 37.7 | 33.9 |
| 72.5° | 3957.8 | 3122.5 | 1255.8 | 416.7 | 158.4 | 64.1 | 52.8 | 47.1 | 39.6 | 32.1 | 28.3 |
| 75° | 2741.6 | 1994.9 | 967.3 | 356.4 | 154.6 | 58.5 | 49.0 | 41.5 | 33.9 | 26.4 | 24.5 |
| 77.5° | 1644.2 | 1333.1 | 624.1 | 267.7 | 101.8 | 47.1 | 41.5 | 32.1 | 28.3 | 22.6 | 20.7 |
| 80° | 769.3 | 629.8 | 252.7 | 103.7 | 49.0 | 33.9 | 28.3 | 24.5 | 22.6 | 18.9 | 17.0 |
| 82.5° | 301.7 | 265.9 | 122.6 | 60.3 | 39.6 | 26.4 | 22.6 | 20.7 | 18.9 | 15.1 | 13.2 |
| 85° | 162.2 | 143.3 | 58.5 | 41.5 | 28.3 | 18.9 | 18.9 | 17.0 | 15.1 | 13.2 | 11.3 |
| 87.5° | 35.8 | 26.4 | 24.5 | 24.5 | 20.7 | 15.1 | 15.1 | 13.2 | 11.3 | 9.4 | 7.5 |
| 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-850-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 | 2654.8 |
| 2.5° | 2330.5 | 2358.8 | 2313.6 | 2341.8 | 2302.2 | 2332.4 | 2336.2 | 2307.9 | 2315.4 | 2353.2 | 2370.1 |
| 5° | 1985.5 | 1966.6 | 1925.1 | 1911.9 | 1913.8 | 1889.3 | 1898.7 | 1911.9 | 1932.7 | 1944.0 | 1977.9 |
| 7.5° | 1431.1 | 1474.5 | 1472.6 | 1504.7 | 1506.5 | 1502.8 | 1476.4 | 1419.8 | 1438.7 | 1423.6 | 1442.4 |
| 10° | 1023.9 | 1042.7 | 1078.5 | 1099.3 | 1137.0 | 1116.2 | 1055.9 | 1033.3 | 1022.0 | 1020.1 | 1038.9 |
| 12.5° | 818.3 | 773.1 | 769.3 | 776.8 | 795.7 | 771.2 | 741.0 | 714.6 | 727.8 | 754.2 | 775.0 |
| 15° | 633.5 | 595.8 | 546.8 | 539.3 | 543.0 | 531.7 | 499.7 | 465.7 | 475.2 | 501.6 | 516.6 |
| 17.5° | 486.5 | 443.1 | 409.2 | 386.5 | 379.0 | 339.4 | 292.3 | 264.0 | 256.4 | 254.5 | 267.7 |
| 20° | 328.1 | 320.5 | 314.9 | 286.6 | 286.6 | 230.0 | 190.4 | 169.7 | 169.7 | 173.5 | 175.4 |
| 22.5° | 245.1 | 235.7 | 237.6 | 231.9 | 216.8 | 171.6 | 150.8 | 145.2 | 145.2 | 149.0 | 149.0 |
| 25° | 213.1 | 199.9 | 196.1 | 194.2 | 179.1 | 147.1 | 132.0 | 126.3 | 126.3 | 130.1 | 130.1 |
| 27.5° | 181.0 | 177.2 | 171.6 | 164.0 | 150.8 | 126.3 | 116.9 | 111.2 | 113.1 | 115.0 | 113.1 |
| 30° | 165.9 | 156.5 | 149.0 | 149.0 | 133.9 | 113.1 | 105.6 | 101.8 | 98.0 | 101.8 | 103.7 |
| 32.5° | 147.1 | 141.4 | 137.6 | 132.0 | 115.0 | 99.9 | 92.4 | 88.6 | 86.7 | 86.7 | 88.6 |
| 35° | 126.3 | 126.3 | 122.6 | 115.0 | 99.9 | 90.5 | 81.1 | 77.3 | 75.4 | 77.3 | 77.3 |
| 37.5° | 113.1 | 107.5 | 109.4 | 101.8 | 88.6 | 79.2 | 69.8 | 66.0 | 66.0 | 64.1 | 66.0 |
| 40° | 105.6 | 96.2 | 90.5 | 86.7 | 79.2 | 67.9 | 60.3 | 56.6 | 54.7 | 54.7 | 54.7 |
| 42.5° | 94.3 | 86.7 | 75.4 | 73.5 | 71.7 | 58.5 | 49.0 | 47.1 | 45.3 | 43.4 | 43.4 |
| 45° | 88.6 | 77.3 | 67.9 | 58.5 | 58.5 | 49.0 | 41.5 | 37.7 | 35.8 | 33.9 | 35.8 |
| 47.5° | 81.1 | 69.8 | 58.5 | 49.0 | 47.1 | 39.6 | 32.1 | 28.3 | 26.4 | 26.4 | 26.4 |
| 50° | 77.3 | 62.2 | 50.9 | 41.5 | 35.8 | 32.1 | 24.5 | 20.7 | 18.9 | 18.9 | 18.9 |
| 52.5° | 71.7 | 58.5 | 45.3 | 35.8 | 28.3 | 24.5 | 18.9 | 15.1 | 13.2 | 13.2 | 13.2 |
| 55° | 64.1 | 52.8 | 39.6 | 30.2 | 24.5 | 18.9 | 13.2 | 9.4 | 7.5 | 7.5 | 7.5 |
| 57.5° | 60.3 | 47.1 | 33.9 | 26.4 | 18.9 | 13.2 | 7.5 | 5.7 | 5.7 | 3.8 | 5.7 |
| 60° | 54.7 | 41.5 | 28.3 | 20.7 | 15.1 | 9.4 | 5.7 | 1.9 | 1.9 | 1.9 | 1.9 |
| 62.5° | 47.1 | 35.8 | 24.5 | 17.0 | 11.3 | 5.7 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 39.6 | 28.3 | 18.9 | 13.2 | 7.5 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 33.9 | 24.5 | 15.1 | 9.4 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 30.2 | 20.7 | 11.3 | 7.5 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 24.5 | 17.0 | 9.4 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 20.7 | 13.2 | 5.7 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 17.0 | 9.4 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 13.2 | 7.5 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 11.3 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 7.5 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 5.7 | 1.9 | 0.0 | 0.0 | 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 |



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| 32.5° | 94.3 | 103.7 | 118.8 | 139.5 | 220.6 | 688.2 | 2151.4 | 3397.8 | 3622.1 | 3708.9 |
| 35° | 81.1 | 92.4 | 101.8 | 118.8 | 167.8 | 518.5 | 2113.7 | 3542.9 | 3835.2 | 3938.9 |
| 37.5° | 71.7 | 79.2 | 88.6 | 99.9 | 141.4 | 405.4 | 2036.4 | 3716.4 | 4018.1 | 4114.3 |
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| 45° | 39.6 | 47.1 | 58.5 | 83.0 | 84.8 | 171.6 | 1583.9 | 4208.5 | 4598.8 | 4670.5 |
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| 55° | 11.3 | 17.0 | 30.2 | 33.9 | 41.5 | 69.8 | 1155.8 | 4580.0 | 4751.6 | 4806.3 |
| 57.5° | 7.5 | 13.2 | 20.7 | 26.4 | 35.8 | 60.3 | 1086.1 | 4749.7 | 4926.9 | 4955.2 |
| 60° | 3.8 | 9.4 | 15.1 | 20.7 | 30.2 | 52.8 | 988.0 | 4874.1 | 5140.0 | 5170.2 |
| 62.5° | 1.9 | 5.7 | 11.3 | 17.0 | 24.5 | 41.5 | 886.2 | 4676.1 | 5047.6 | 5100.4 |
| 65° | 0.0 | 3.8 | 7.5 | 11.3 | 15.1 | 30.2 | 720.3 | 4221.7 | 4681.8 | 4876.0 |
| 67.5° | 0.0 | 0.0 | 3.8 | 7.5 | 9.4 | 22.6 | 543.0 | 3840.9 | 4344.3 | 4608.3 |
| 70° | 0.0 | 0.0 | 1.9 | 1.9 | 5.7 | 17.0 | 346.9 | 3180.9 | 3878.6 | 4023.8 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 11.3 | 201.8 | 2362.6 | 3039.5 | 3309.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.4 | 101.8 | 1519.7 | 2115.6 | 2477.6 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 54.7 | 980.5 | 1559.3 | 1862.9 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 32.1 | 569.4 | 997.5 | 1208.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 279.1 | 595.8 | 697.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 149.0 | 297.9 | 392.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 20.7 | 39.6 |
| 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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