

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: P671985

Luminaire Tested: **CCP-SA-2C-750-U-AFL**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671985  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-750-U-AFL  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL  
distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9333.2 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1  
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

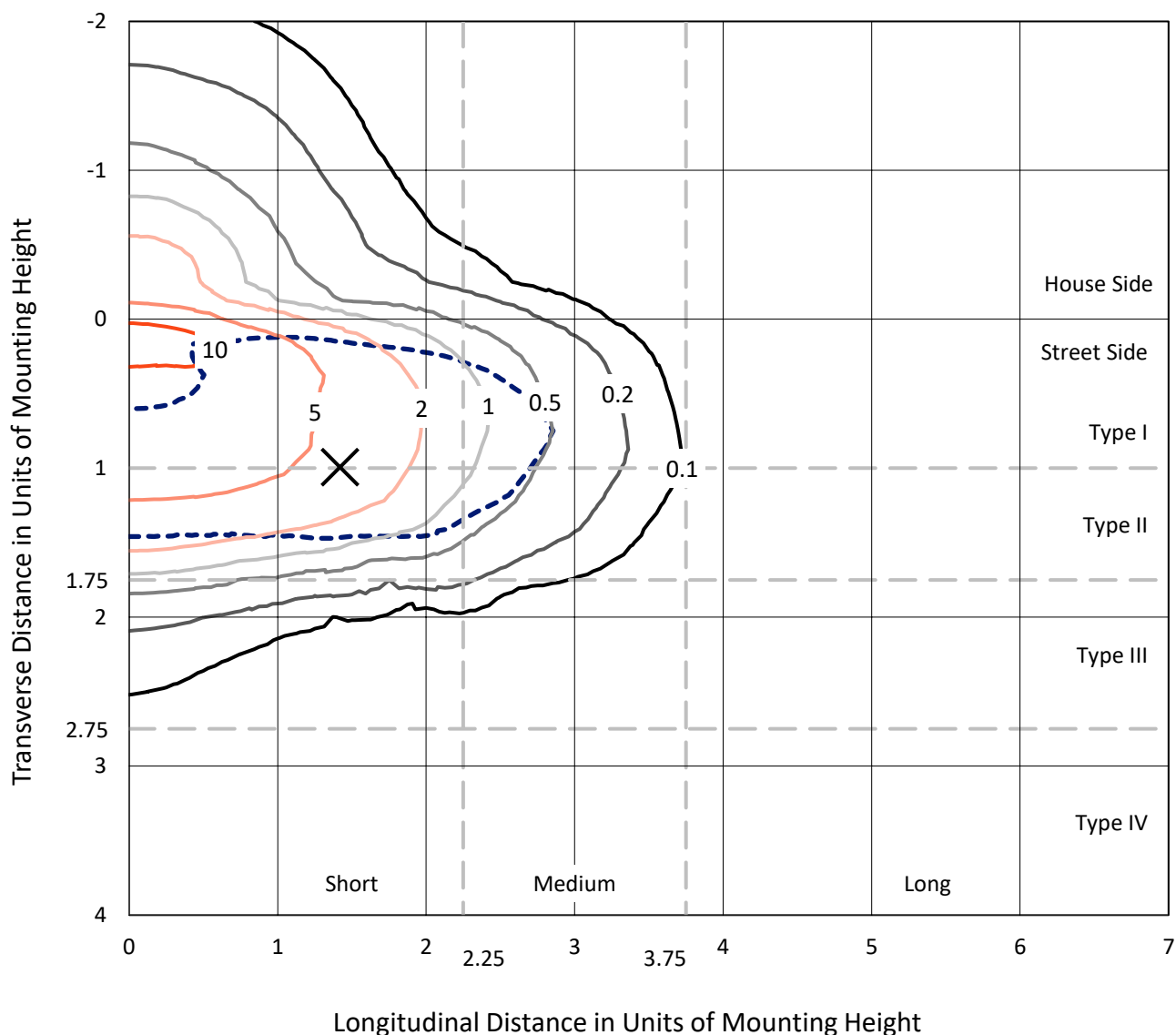
REPORT NUMBER: P671985

CATALOG NUMBER: CCP-SA-2C-750-U-AFL

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

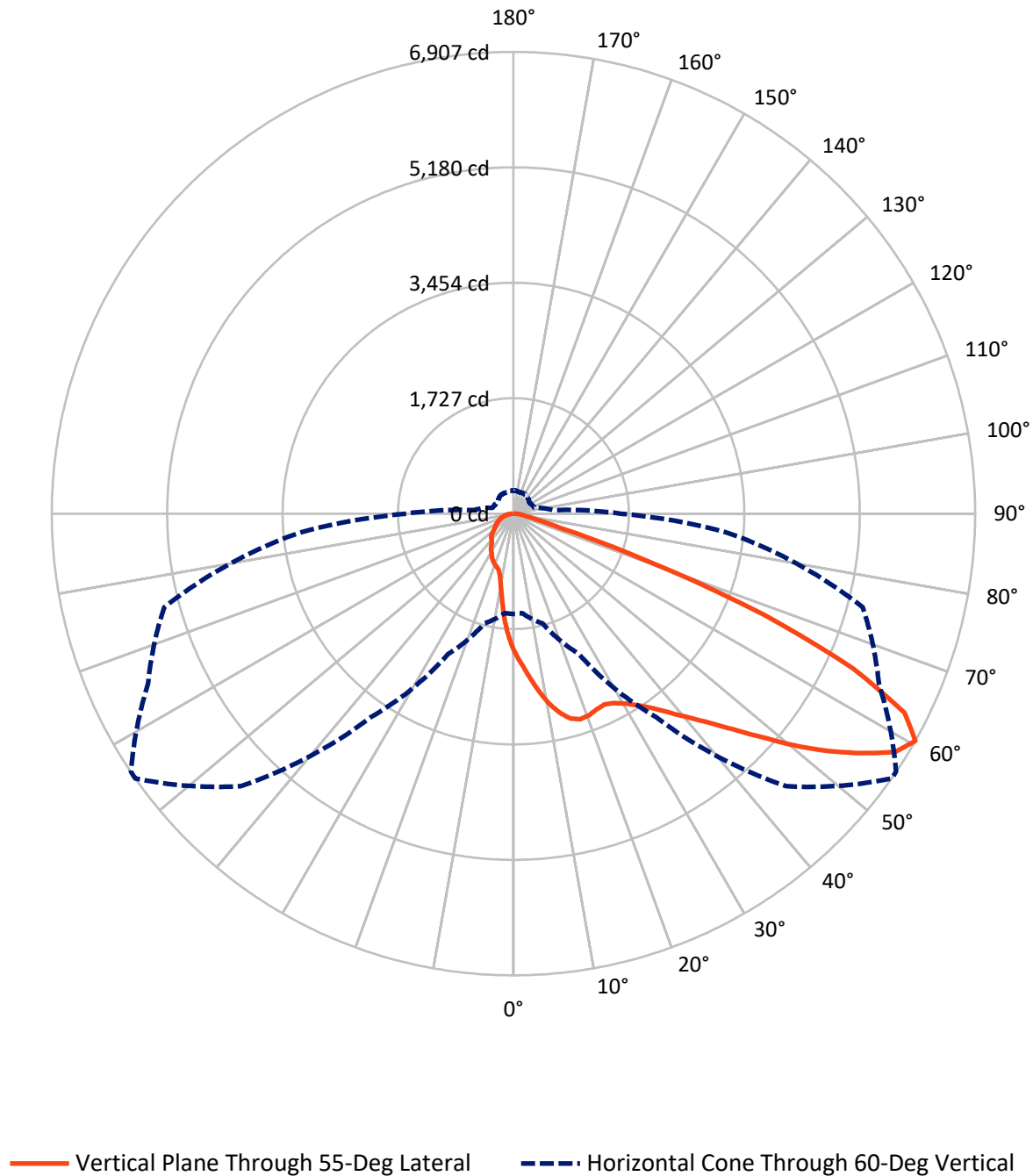


Based on 15 foot mounting height. Maximum calculated value = 13 fc

Type II - Short - N/A

REPORT NUMBER: P671985  
CATALOG NUMBER: CCP-SA-2C-750-U-AFL

## Luminous Intensity Polar Plot



REPORT NUMBER: P671985

CATALOG NUMBER: CCP-SA-2C-750-U-AFL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1341.7   | 0.0    | 1341.7 |
|                    | % Fixture | 14.4     | 0.0    | 14.4   |
| <b>Street Side</b> | Lumens    | 7991.5   | 0.0    | 7991.5 |
|                    | % Fixture | 85.6     | 0.0    | 85.6   |
| <b>Total</b>       | Lumens    | 9333.2   | 0.0    | 9333.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 193.7  | 2.1       |
| 10°-20°   | 548.8  | 5.9       |
| 20°-30°   | 893.6  | 9.6       |
| 30°-40°   | 1335.5 | 14.3      |
| 40°-50°   | 1962.9 | 21.0      |
| 50°-60°   | 2300.6 | 24.6      |
| 60°-70°   | 1516.9 | 16.3      |
| 70°-80°   | 483.0  | 5.2       |
| 80°-90°   | 98.2   | 1.1       |
| 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°    | 9333.2 | 100.0     |
| 0°-180°   | 9333.2 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P671985

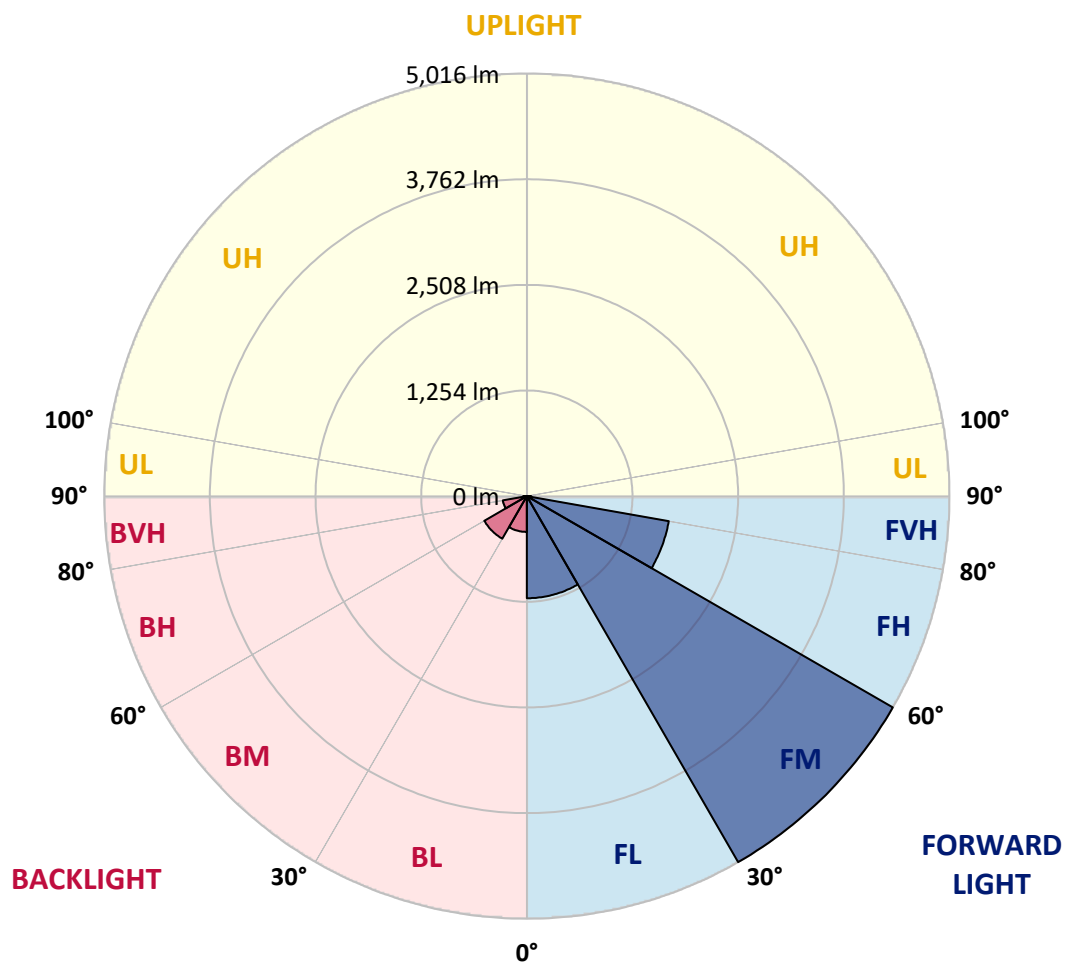
CATALOG NUMBER: CCP-SA-2C-750-U-AFL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1211.4 | 13.0      |                         |      |         |
| FM   | (30°-60°)   | 5015.9 | 53.7      |                         |      |         |
| FH   | (60°-80°)   | 1710.4 | 18.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 53.9   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 424.7  | 4.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 583.1  | 6.2       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 289.5  | 3.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 44.3   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P671985

CATALOG NUMBER: CCP-SA-2C-750-U-AFL

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 |
| 2.5°  | 2408.8 | 2400.0 | 2400.0 | 2377.7 | 2344.5 | 2298.5 | 2243.7 | 2230.2 | 2209.2 | 2155.8 | 2086.8 |
| 5°    | 2776.1 | 2766.6 | 2753.8 | 2714.5 | 2653.0 | 2561.0 | 2445.3 | 2424.3 | 2349.3 | 2239.0 | 2114.5 |
| 7.5°  | 3018.9 | 3013.5 | 3009.5 | 2975.6 | 2914.8 | 2824.1 | 2669.2 | 2645.5 | 2518.4 | 2335.7 | 2140.9 |
| 10°   | 2993.9 | 3010.1 | 3038.6 | 3062.2 | 3074.4 | 3027.7 | 2882.3 | 2854.6 | 2697.0 | 2448.0 | 2180.2 |
| 12.5° | 2759.2 | 2782.2 | 2834.9 | 2931.7 | 3043.3 | 3133.3 | 3050.7 | 3035.2 | 2887.7 | 2567.1 | 2229.5 |
| 15°   | 2584.7 | 2594.1 | 2619.8 | 2691.5 | 2857.9 | 3098.1 | 3181.3 | 3167.1 | 3065.6 | 2720.0 | 2286.4 |
| 17.5° | 2530.5 | 2534.6 | 2540.7 | 2564.4 | 2678.0 | 2960.8 | 3234.7 | 3248.2 | 3238.1 | 2878.9 | 2350.6 |
| 20°   | 2557.6 | 2560.3 | 2561.0 | 2565.0 | 2619.2 | 2845.8 | 3220.5 | 3243.5 | 3389.6 | 3037.9 | 2414.2 |
| 22.5° | 2661.8 | 2658.4 | 2653.7 | 2638.1 | 2668.5 | 2825.5 | 3182.6 | 3219.2 | 3506.6 | 3182.6 | 2473.1 |
| 25°   | 2843.7 | 2839.0 | 2805.9 | 2773.4 | 2786.2 | 2898.5 | 3162.3 | 3201.6 | 3598.0 | 3319.3 | 2516.3 |
| 27.5° | 3060.2 | 3055.5 | 3021.6 | 2960.1 | 2946.6 | 3020.3 | 3209.7 | 3234.0 | 3664.9 | 3440.4 | 2535.3 |
| 30°   | 3284.8 | 3284.8 | 3242.8 | 3171.8 | 3128.5 | 3159.6 | 3297.0 | 3316.6 | 3715.7 | 3557.4 | 2547.5 |
| 32.5° | 3529.6 | 3536.4 | 3471.5 | 3390.3 | 3342.3 | 3324.0 | 3419.4 | 3436.3 | 3789.4 | 3695.4 | 2573.2 |
| 35°   | 3844.2 | 3829.3 | 3750.2 | 3643.3 | 3566.2 | 3524.9 | 3570.9 | 3590.5 | 3897.6 | 3867.2 | 2614.4 |
| 37.5° | 4198.0 | 4171.6 | 4074.2 | 3946.3 | 3811.7 | 3742.7 | 3773.2 | 3777.9 | 4057.9 | 4091.1 | 2689.5 |
| 40°   | 4490.2 | 4485.5 | 4402.9 | 4281.8 | 4112.1 | 4019.4 | 4004.5 | 4007.2 | 4280.5 | 4356.3 | 2803.2 |
| 42.5° | 4736.4 | 4718.8 | 4703.9 | 4661.3 | 4481.4 | 4329.2 | 4268.3 | 4269.0 | 4522.0 | 4630.2 | 2917.5 |
| 45°   | 4845.3 | 4841.9 | 4885.9 | 4995.5 | 4866.3 | 4687.0 | 4600.4 | 4612.6 | 4798.6 | 4911.6 | 3027.7 |
| 47.5° | 4798.6 | 4801.3 | 4919.0 | 5206.5 | 5283.0 | 5145.7 | 4992.1 | 4984.7 | 5066.5 | 5127.4 | 3125.1 |
| 50°   | 4382.0 | 4425.9 | 4744.5 | 5226.2 | 5556.3 | 5624.6 | 5451.4 | 5423.7 | 5301.2 | 5299.2 | 3184.7 |
| 52.5° | 4067.4 | 4065.4 | 4260.9 | 5026.6 | 5653.0 | 6056.8 | 5901.2 | 5839.0 | 5495.4 | 5395.9 | 3189.4 |
| 55°   | 3642.6 | 3639.9 | 3785.3 | 4442.8 | 5460.9 | 6358.5 | 6325.4 | 6247.6 | 5673.3 | 5427.7 | 3156.9 |
| 57.5° | 2758.5 | 2809.9 | 2954.7 | 3556.7 | 4852.1 | 6310.5 | 6730.5 | 6665.6 | 5847.1 | 5413.5 | 3150.8 |
| 60°   | 1501.0 | 1494.9 | 1704.6 | 2318.1 | 3715.0 | 5765.3 | 6907.1 | 6903.7 | 6031.8 | 5408.1 | 3188.0 |
| 62.5° | 692.0  | 685.2  | 727.2  | 1032.2 | 2130.1 | 4618.7 | 6566.2 | 6614.9 | 6202.9 | 5358.7 | 3184.7 |
| 65°   | 517.5  | 499.9  | 443.1  | 480.3  | 815.1  | 2757.2 | 5577.2 | 5707.1 | 5939.1 | 5155.8 | 3037.2 |
| 67.5° | 461.3  | 444.4  | 378.1  | 354.5  | 409.2  | 972.7  | 4045.8 | 4165.5 | 4966.4 | 4775.6 | 2798.4 |
| 70°   | 422.8  | 407.9  | 341.6  | 304.4  | 307.1  | 430.9  | 2117.9 | 2353.3 | 3639.9 | 3985.6 | 2385.1 |
| 72.5° | 385.6  | 372.7  | 312.5  | 267.9  | 258.4  | 284.8  | 721.8  | 870.6  | 2264.0 | 2904.6 | 1778.4 |
| 75°   | 346.3  | 334.2  | 281.4  | 240.1  | 221.9  | 211.0  | 343.6  | 370.0  | 1197.3 | 1603.8 | 954.5  |
| 77.5° | 301.0  | 294.2  | 251.0  | 211.7  | 196.2  | 159.6  | 228.6  | 240.1  | 512.7  | 629.8  | 454.6  |
| 80°   | 261.8  | 256.4  | 223.9  | 192.1  | 175.9  | 123.1  | 157.6  | 165.7  | 253.0  | 314.5  | 254.3  |
| 82.5° | 170.5  | 184.0  | 185.3  | 165.1  | 154.9  | 98.8   | 104.2  | 110.3  | 167.8  | 185.3  | 110.9  |
| 85°   | 70.3   | 85.2   | 127.8  | 113.6  | 107.6  | 83.9   | 69.0   | 70.3   | 102.8  | 108.2  | 39.9   |
| 87.5° | 31.8   | 35.2   | 62.9   | 63.6   | 55.5   | 31.8   | 34.5   | 37.9   | 52.8   | 52.1   | 17.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P671985

CATALOG NUMBER: CCP-SA-2C-750-U-AFL

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 | 2069.9 |
| 2.5°  | 2067.9 | 2036.8 | 1981.3 | 1910.3 | 1859.5 | 1822.3 | 1781.7 | 1752.0 | 1718.8 | 1689.7 | 1694.5 |
| 5°    | 2063.1 | 2002.9 | 1878.5 | 1746.6 | 1618.0 | 1512.5 | 1424.6 | 1359.6 | 1292.7 | 1266.3 | 1262.9 |
| 7.5°  | 2067.2 | 1965.0 | 1760.8 | 1545.0 | 1349.5 | 1214.9 | 1112.7 | 1051.2 | 1012.6 | 990.3  | 991.7  |
| 10°   | 2065.8 | 1929.2 | 1633.6 | 1336.0 | 1122.2 | 999.1  | 936.9  | 916.6  | 913.2  | 915.9  | 920.0  |
| 12.5° | 2067.9 | 1880.5 | 1490.9 | 1147.9 | 959.2  | 896.3  | 899.0  | 917.2  | 928.7  | 936.2  | 940.9  |
| 15°   | 2076.7 | 1840.6 | 1344.8 | 999.8  | 874.0  | 876.0  | 905.1  | 933.5  | 950.4  | 958.5  | 962.6  |
| 17.5° | 2089.5 | 1790.5 | 1214.9 | 887.5  | 838.1  | 869.2  | 907.1  | 937.5  | 950.4  | 955.1  | 958.5  |
| 20°   | 2090.9 | 1733.0 | 1083.7 | 810.4  | 814.4  | 855.0  | 888.2  | 912.5  | 928.7  | 934.2  | 936.9  |
| 22.5° | 2084.8 | 1655.2 | 949.0  | 754.2  | 787.4  | 828.0  | 856.4  | 884.1  | 862.5  | 844.9  | 840.1  |
| 25°   | 2059.1 | 1557.2 | 834.0  | 708.2  | 753.6  | 791.4  | 823.9  | 793.5  | 783.3  | 769.8  | 771.1  |
| 27.5° | 2003.6 | 1434.7 | 725.8  | 664.9  | 713.6  | 767.8  | 744.1  | 740.0  | 727.2  | 713.6  | 713.6  |
| 30°   | 1930.6 | 1305.5 | 635.2  | 619.6  | 665.6  | 692.7  | 698.1  | 692.0  | 684.6  | 667.0  | 668.3  |
| 32.5° | 1864.9 | 1168.9 | 570.9  | 581.7  | 635.2  | 635.2  | 658.8  | 658.8  | 631.8  | 582.4  | 582.4  |
| 35°   | 1800.0 | 1040.4 | 523.6  | 549.9  | 585.1  | 596.6  | 629.1  | 586.5  | 547.9  | 525.6  | 524.2  |
| 37.5° | 1749.3 | 930.8  | 492.4  | 522.9  | 536.4  | 565.5  | 566.2  | 535.1  | 522.2  | 501.9  | 499.9  |
| 40°   | 1719.5 | 838.8  | 473.5  | 509.4  | 510.7  | 537.8  | 493.1  | 501.9  | 499.2  | 483.7  | 481.6  |
| 42.5° | 1703.3 | 767.8  | 459.3  | 497.9  | 491.1  | 464.7  | 456.6  | 471.5  | 476.2  | 468.1  | 464.7  |
| 45°   | 1690.4 | 712.3  | 447.8  | 457.9  | 475.5  | 427.5  | 424.1  | 435.6  | 445.8  | 445.1  | 442.4  |
| 47.5° | 1683.7 | 673.7  | 437.7  | 432.9  | 436.3  | 405.2  | 398.4  | 403.8  | 416.7  | 424.8  | 424.1  |
| 50°   | 1657.3 | 644.0  | 422.8  | 407.2  | 385.6  | 385.6  | 382.2  | 382.2  | 397.7  | 414.0  | 415.3  |
| 52.5° | 1610.6 | 608.8  | 401.1  | 382.9  | 357.8  | 368.7  | 370.0  | 367.3  | 383.5  | 401.1  | 402.5  |
| 55°   | 1559.2 | 582.4  | 372.0  | 360.5  | 334.8  | 353.1  | 359.2  | 356.5  | 367.3  | 379.5  | 378.8  |
| 57.5° | 1559.9 | 581.7  | 347.0  | 338.2  | 313.2  | 333.5  | 348.4  | 349.0  | 348.4  | 357.2  | 357.2  |
| 60°   | 1599.1 | 595.3  | 327.4  | 308.5  | 288.2  | 312.5  | 336.9  | 336.9  | 332.1  | 345.0  | 346.3  |
| 62.5° | 1610.6 | 593.9  | 315.2  | 280.0  | 265.8  | 293.6  | 320.0  | 324.0  | 320.6  | 338.9  | 340.9  |
| 65°   | 1509.1 | 562.1  | 303.0  | 254.3  | 245.5  | 272.6  | 299.0  | 310.5  | 307.1  | 330.8  | 333.5  |
| 67.5° | 1368.4 | 520.9  | 284.1  | 231.3  | 224.6  | 252.3  | 277.3  | 289.5  | 288.8  | 320.0  | 321.3  |
| 70°   | 1179.7 | 470.1  | 260.4  | 207.7  | 204.3  | 228.6  | 251.0  | 263.8  | 269.9  | 305.7  | 305.1  |
| 72.5° | 913.9  | 403.2  | 224.6  | 182.6  | 182.0  | 204.3  | 223.9  | 238.1  | 249.6  | 284.1  | 284.1  |
| 75°   | 589.2  | 317.2  | 183.3  | 158.3  | 155.6  | 176.5  | 196.8  | 213.1  | 248.3  | 303.0  | 302.4  |
| 77.5° | 359.9  | 242.2  | 147.5  | 131.9  | 131.2  | 150.2  | 170.5  | 198.2  | 271.3  | 269.9  | 262.5  |
| 80°   | 215.8  | 173.8  | 117.7  | 105.5  | 105.5  | 123.1  | 145.4  | 212.4  | 225.3  | 257.0  | 242.8  |
| 82.5° | 112.3  | 106.9  | 87.9   | 77.8   | 81.2   | 96.7   | 132.6  | 169.8  | 184.0  | 156.3  | 143.4  |
| 85°   | 46.0   | 56.8   | 54.1   | 49.4   | 51.4   | 67.0   | 127.8  | 136.0  | 108.9  | 114.3  | 115.0  |
| 87.5° | 15.6   | 25.0   | 25.0   | 19.6   | 21.6   | 47.4   | 75.8   | 45.3   | 54.8   | 32.5   | 24.4   |
| 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)