

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: STREETWORKS

Report Number: P507775

Luminaire Tested: **UFLD-CA2-120-750-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-281-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-CA2-120-750-U-66  
Description: UTILITY FLOOD, 6x6 OPTIC  
Light Source: (2) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

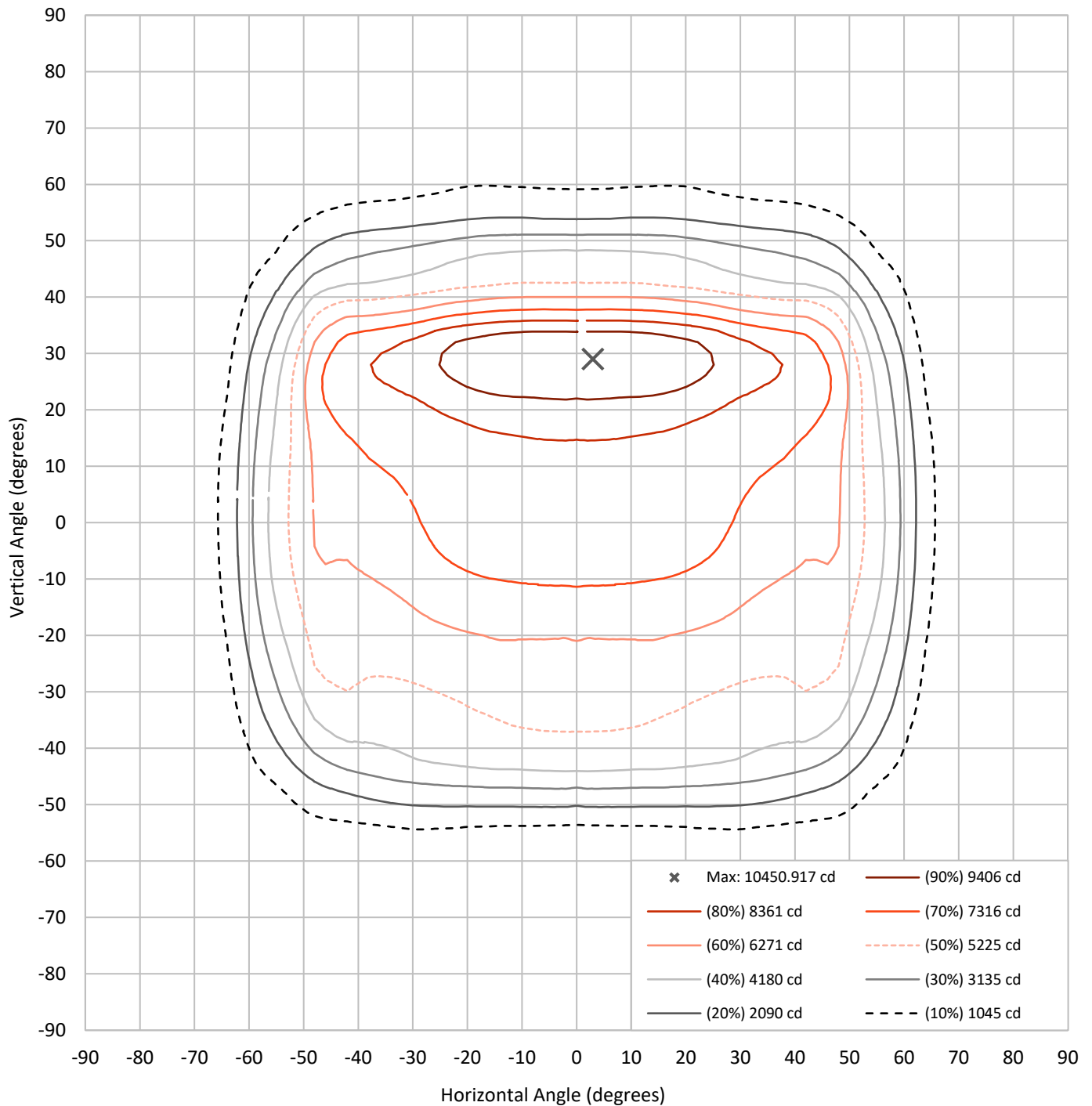
|                                   |  |                      |                   |
|-----------------------------------|--|----------------------|-------------------|
| Lumens per Lamp:                  | N/A                                      | NEMA Type:           | 6H x 6V           |
| Luminaire Lumens:                 | 19583 lumens                             | Max Intensity:       | 10450.9 candela   |
| Efficiency:                       | N/A                                      | Max Intensity Angle: | 3°H x 29°V        |
| Efficacy:                         | 158.1 lumens/watt                        |                      |                   |
| Luminous Opening:                 | Rectangular (W 1.25' x L: 0.67' x H: 0') |                      |                   |
| Beam Angle (50%):                 | 102.9°H x 79.4°V                         | Field Angle (10%):   | 126.5°H x 112.9°V |
| Beam Lumens:                      | 14550.2 lumens                           | Field Lumens:        | 18924.7 lumens    |
| Beam Efficiency:                  | 74.3%                                    | Field Efficiency:    | 96.6%             |
| Input Watts (W):                  | 123.9                                    |                      |                   |
| 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:                    | 24 FT                                    |                      |                   |



REPORT NUMBER: P507775

CATALOG NUMBER: UFLD-CA2-120-750-U-66

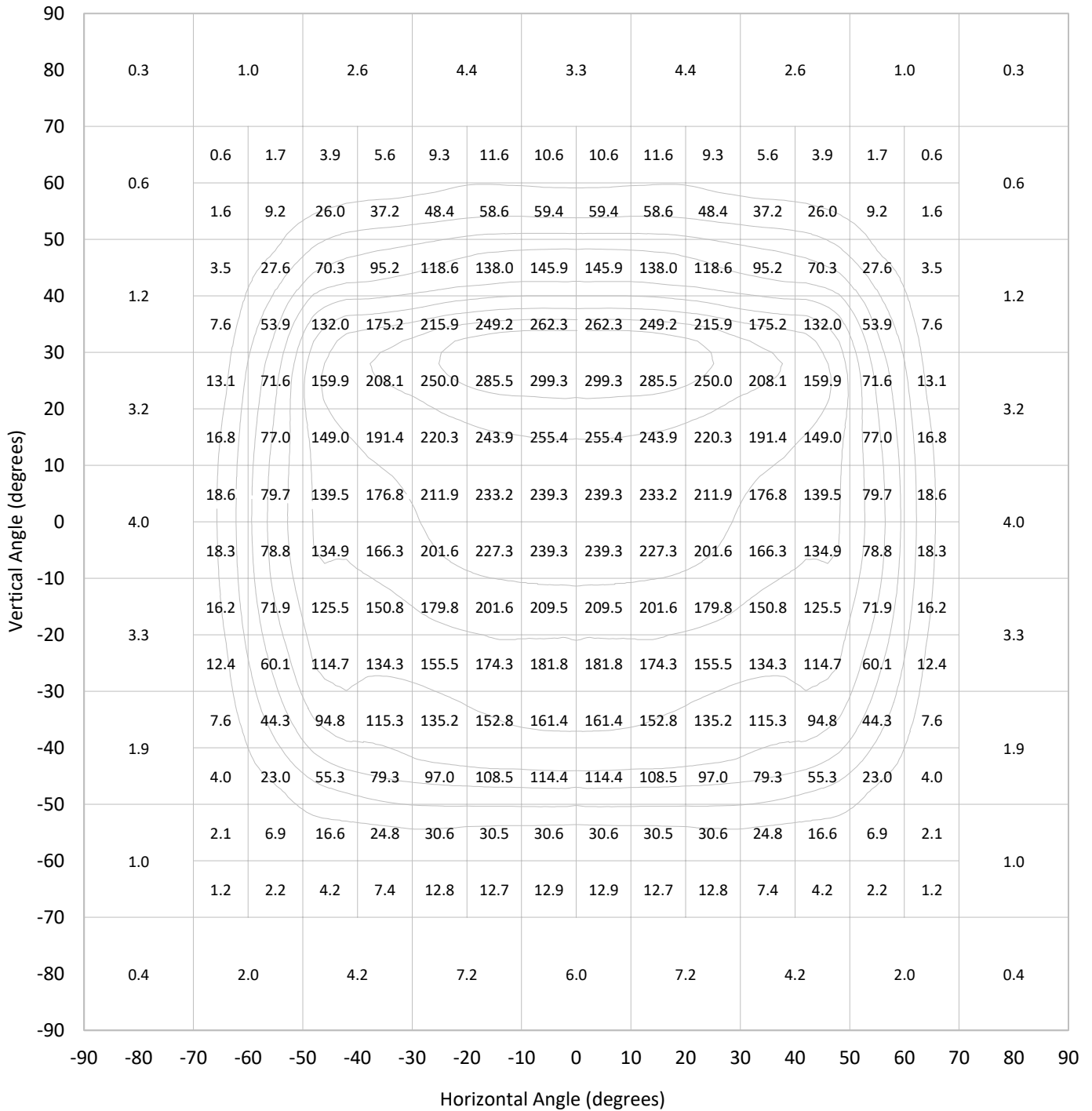
### Iso-Candela Plot





REPORT NUMBER: P507775  
 CATALOG NUMBER: UFLD-CA2-120-750-U-66

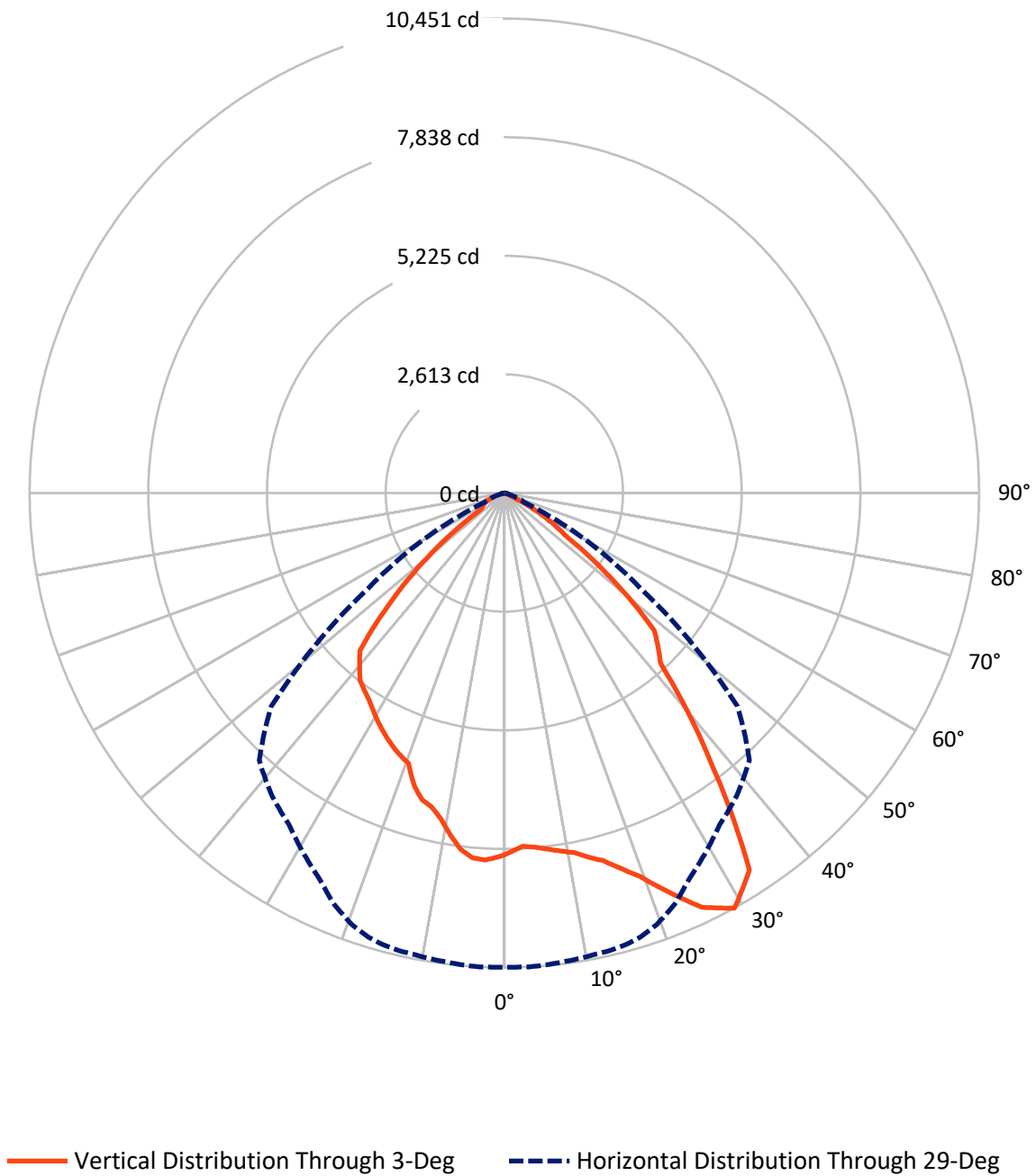
### Lumen Table



REPORT NUMBER: P507775

CATALOG NUMBER: UFLD-CA2-120-750-U-66

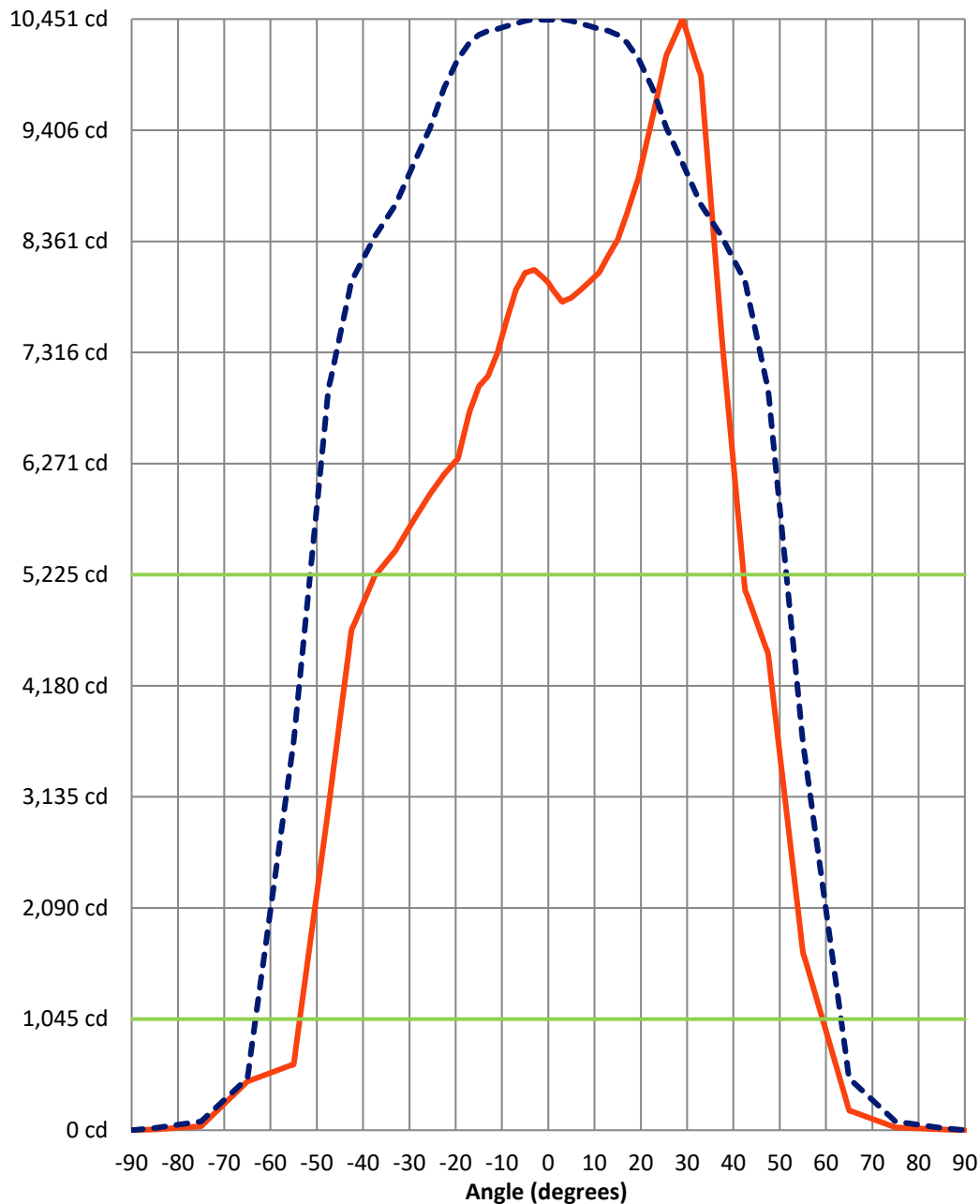
### Luminous Intensity Polar Plot



REPORT NUMBER: P507775

CATALOG NUMBER: UFLD-CA2-120-750-U-66

### Luminous Intensity Plot



**Beam:**  
 H Angle: 102.9°  
 V Angle: 79.4°  
 Lumens: 14550.2  
 Efficiency: 74.3%

**Field:**  
 H Angle: 126.5°  
 V Angle: 112.9°  
 Lumens: 18924.7  
 Efficiency: 96.6%

**Spill:**  
 Lumens: 658.3  
 Efficiency: 3.4%

— Vertical Distribution through 3-Deg  
 - - - Horizontal Distribution through 29-Deg



REPORT NUMBER: P507775

CATALOG NUMBER: UFLD-CA2-120-750-U-66

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

|        | 0°      | 1°      | 3°      | 5°      | 7°      | 9°      | 11°     | 13°     | 15°     | 17°     | 19.5°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°    | 0.4     | 3.3     | 7.0     | 16.5    | 21.6    | 25.2    | 27.7    | 28.9    | 29.4    | 29.4    | 28.2    |
| 75°    | 24.4    | 24.9    | 26.5    | 24.0    | 19.0    | 20.7    | 30.2    | 34.3    | 38.1    | 39.3    | 37.3    |
| 65°    | 188.6   | 187.4   | 186.2   | 184.9   | 179.6   | 171.7   | 168.8   | 185.3   | 227.6   | 271.4   | 292.9   |
| 55°    | 1646.6  | 1640.8  | 1679.7  | 1652.4  | 1706.2  | 1757.8  | 1776.5  | 1781.9  | 1788.1  | 1756.6  | 1714.1  |
| 47.5°  | 4464.1  | 4502.9  | 4478.5  | 4475.2  | 4447.0  | 4403.2  | 4376.7  | 4333.7  | 4296.0  | 4288.2  | 4159.5  |
| 42.5°  | 5122.3  | 5104.9  | 5088.8  | 5124.7  | 5104.0  | 5121.4  | 5119.3  | 5075.4  | 5044.9  | 4982.0  | 4919.2  |
| 37.5°  | 7423.8  | 7436.5  | 7452.7  | 7456.0  | 7466.0  | 7424.2  | 7395.2  | 7364.6  | 7305.9  | 7205.7  | 7062.2  |
| 33°    | 9911.9  | 9934.7  | 9907.3  | 9905.6  | 9927.6  | 9917.6  | 9875.1  | 9835.3  | 9748.0  | 9630.6  | 9497.3  |
| 29°    | 10445.1 | 10443.9 | 10450.9 | 10434.4 | 10409.1 | 10384.7 | 10358.3 | 10340.5 | 10302.4 | 10229.2 | 10076.5 |
| 25.5°  | 10090.2 | 10096.0 | 10108.0 | 10098.4 | 10066.6 | 10048.8 | 10026.1 | 9995.0  | 9928.8  | 9850.2  | 9720.3  |
| 22.5°  | 9495.6  | 9541.2  | 9523.3  | 9511.3  | 9484.1  | 9440.6  | 9449.3  | 9419.9  | 9368.7  | 9288.4  | 9151.8  |
| 19.5°  | 8943.7  | 8966.5  | 8962.0  | 8928.9  | 8911.9  | 8876.3  | 8859.8  | 8838.3  | 8794.8  | 8745.2  | 8652.1  |
| 17°    | 8590.5  | 8632.7  | 8623.6  | 8603.2  | 8576.8  | 8553.2  | 8523.4  | 8505.2  | 8469.6  | 8415.0  | 8302.1  |
| 15°    | 8380.7  | 8399.8  | 8377.4  | 8373.3  | 8377.0  | 8330.2  | 8311.2  | 8264.8  | 8253.7  | 8207.7  | 8108.1  |
| 13°    | 8203.7  | 8213.1  | 8228.1  | 8204.4  | 8200.4  | 8183.8  | 8144.0  | 8124.6  | 8085.8  | 8067.1  | 7995.1  |
| 11°    | 8064.6  | 8129.5  | 8068.4  | 8085.3  | 8066.3  | 8063.8  | 8041.4  | 8030.7  | 8001.7  | 7973.1  | 7928.9  |
| 9°     | 7992.2  | 8003.4  | 7983.9  | 7983.1  | 7974.5  | 7958.7  | 7953.3  | 7952.5  | 7946.7  | 7931.0  | 7903.6  |
| 7°     | 7903.6  | 7913.2  | 7904.1  | 7894.9  | 7888.3  | 7881.7  | 7900.3  | 7906.6  | 7933.4  | 7911.1  | 7885.0  |
| 5°     | 7843.3  | 7834.1  | 7830.8  | 7829.2  | 7845.8  | 7845.8  | 7882.2  | 7902.9  | 7928.0  | 7935.1  | 7901.2  |
| 3°     | 7791.6  | 7802.8  | 7792.8  | 7804.8  | 7837.5  | 7854.9  | 7903.6  | 7933.9  | 7950.4  | 7950.8  | 7937.2  |
| 1°     | 7871.8  | 7899.1  | 7904.5  | 7912.8  | 7924.7  | 7935.5  | 7971.9  | 7998.9  | 7981.1  | 7981.8  | 7926.4  |
| 0°     | 7947.1  | 7957.9  | 7971.9  | 7962.5  | 7978.2  | 7987.7  | 8013.7  | 8019.1  | 8012.1  | 7980.6  | 7906.2  |
| -1°    | 8026.1  | 8023.6  | 8015.8  | 8014.2  | 8017.9  | 8006.7  | 8021.2  | 8003.4  | 7982.3  | 7954.1  | 7884.3  |
| -3°    | 8082.8  | 8103.5  | 8092.4  | 8079.5  | 8038.9  | 8038.9  | 8022.8  | 7956.6  | 7928.0  | 7898.7  | 7800.2  |
| -5°    | 8035.3  | 8061.7  | 8063.3  | 8022.4  | 7959.5  | 7943.0  | 7891.6  | 7851.9  | 7802.3  | 7754.3  | 7655.1  |
| -7°    | 7929.4  | 7915.3  | 7902.9  | 7849.9  | 7808.5  | 7769.7  | 7701.4  | 7632.3  | 7619.4  | 7573.9  | 7486.7  |
| -9°    | 7637.3  | 7647.2  | 7617.8  | 7603.7  | 7558.2  | 7507.7  | 7487.9  | 7438.6  | 7412.6  | 7372.1  | 7291.8  |
| -11°   | 7347.2  | 7307.5  | 7310.4  | 7320.3  | 7288.1  | 7288.5  | 7266.9  | 7237.1  | 7233.4  | 7195.0  | 7127.2  |
| -13°   | 7118.5  | 7115.5  | 7096.1  | 7112.6  | 7106.5  | 7107.3  | 7087.0  | 7083.3  | 7076.2  | 7049.7  | 6958.3  |
| -15°   | 6967.5  | 6991.9  | 6994.3  | 6980.2  | 6983.5  | 6975.7  | 6968.2  | 6950.4  | 6945.1  | 6903.3  | 6807.8  |
| -17°   | 6747.7  | 6756.0  | 6758.1  | 6756.8  | 6746.5  | 6754.8  | 6763.9  | 6756.8  | 6730.8  | 6698.9  | 6622.0  |
| -19.5° | 6341.4  | 6308.3  | 6320.0  | 6331.5  | 6334.8  | 6334.4  | 6347.7  | 6370.0  | 6349.4  | 6307.6  | 6243.8  |
| -22.5° | 6196.7  | 6189.7  | 6168.1  | 6175.2  | 6171.9  | 6161.5  | 6161.5  | 6163.2  | 6151.2  | 6107.3  | 6020.4  |
| -25.5° | 5979.5  | 5989.4  | 5986.1  | 5981.6  | 5980.7  | 5962.1  | 5962.9  | 5965.9  | 5942.2  | 5893.8  | 5815.6  |
| -29°   | 5740.0  | 5746.6  | 5744.0  | 5732.9  | 5717.6  | 5684.1  | 5670.0  | 5638.6  | 5596.8  | 5569.9  | 5506.6  |
| -33°   | 5467.3  | 5450.7  | 5451.6  | 5449.9  | 5429.6  | 5410.2  | 5386.6  | 5347.3  | 5304.3  | 5270.8  | 5203.8  |
| -37.5° | 5210.4  | 5219.9  | 5211.2  | 5214.1  | 5202.5  | 5183.1  | 5162.0  | 5132.2  | 5090.0  | 5041.6  | 4974.9  |
| -42.5° | 4719.7  | 4712.6  | 4701.9  | 4678.3  | 4668.8  | 4623.7  | 4596.0  | 4596.8  | 4587.3  | 4550.5  | 4487.2  |
| -47.5° | 2929.9  | 3007.8  | 3025.5  | 3010.2  | 2995.4  | 2989.1  | 2957.6  | 2955.2  | 2957.6  | 2937.8  | 2889.0  |
| -55°   | 605.2   | 603.2   | 620.6   | 632.9   | 658.7   | 668.6   | 673.5   | 655.4   | 675.6   | 717.4   | 737.6   |
| -65°   | 466.2   | 464.6   | 458.0   | 457.5   | 451.4   | 448.8   | 448.5   | 444.3   | 447.2   | 459.6   | 473.7   |
| -75°   | 36.4    | 36.4    | 36.8    | 32.7    | 30.2    | 33.9    | 44.3    | 47.6    | 52.6    | 50.5    | 56.3    |
| -85°   | 1.2     | 3.7     | 7.5     | 17.4    | 22.3    | 25.6    | 28.2    | 29.4    | 29.4    | 28.9    | 28.6    |
| -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: P507775

CATALOG NUMBER: UFLD-CA2-120-750-U-66

**CANDELA DISTRIBUTION (continued):**

|        | 22.5°  | 25.5°  | 29°    | 33°    | 37.5°  | 42.5°  | 47.5°  | 55°    | 65°    | 75°   | 85°  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0  |
| 85°    | 26.1   | 24.4   | 23.2   | 21.6   | 18.6   | 15.7   | 13.6   | 11.6   | 13.2   | 11.6  | 14.1 |
| 75°    | 33.5   | 33.9   | 42.6   | 53.3   | 48.0   | 32.2   | 22.3   | 18.6   | 24.4   | 14.1  | 15.3 |
| 65°    | 255.3  | 164.6  | 102.2  | 77.0   | 62.5   | 53.0   | 65.0   | 49.3   | 45.5   | 22.8  | 16.2 |
| 55°    | 1608.5 | 1501.4 | 1422.7 | 1322.6 | 1290.0 | 1197.7 | 968.9  | 394.3  | 72.4   | 36.8  | 17.4 |
| 47.5°  | 4020.1 | 3840.1 | 3637.0 | 3409.4 | 3213.3 | 2941.9 | 2410.4 | 1054.6 | 86.9   | 47.6  | 18.6 |
| 42.5°  | 4809.5 | 4604.7 | 4481.8 | 4315.9 | 4132.2 | 4071.4 | 3666.4 | 1816.2 | 89.4   | 54.2  | 19.0 |
| 37.5°  | 6939.3 | 6710.1 | 6394.5 | 6150.7 | 5957.9 | 5930.2 | 5171.0 | 2563.8 | 142.3  | 62.5  | 19.9 |
| 33°    | 9241.7 | 8905.7 | 8470.5 | 8094.4 | 7766.7 | 7472.6 | 6336.1 | 3165.7 | 331.4  | 72.0  | 20.2 |
| 29°    | 9802.7 | 9431.2 | 9095.6 | 8705.1 | 8403.8 | 7986.0 | 6960.8 | 3654.8 | 487.3  | 82.4  | 20.7 |
| 25.5°  | 9454.7 | 9176.2 | 8849.8 | 8542.8 | 8317.4 | 8025.7 | 7230.5 | 3928.2 | 613.6  | 91.8  | 21.1 |
| 22.5°  | 8941.3 | 8696.8 | 8425.4 | 8230.1 | 8107.6 | 7882.2 | 7209.9 | 4079.7 | 714.1  | 100.1 | 21.6 |
| 19.5°  | 8490.3 | 8319.9 | 8100.6 | 7979.8 | 7926.8 | 7655.8 | 7001.8 | 4231.5 | 804.7  | 108.8 | 21.9 |
| 17°    | 8178.4 | 8031.5 | 7886.7 | 7829.6 | 7776.7 | 7426.6 | 6812.3 | 4337.8 | 878.8  | 113.4 | 22.3 |
| 15°    | 7995.9 | 7889.6 | 7785.7 | 7744.8 | 7645.1 | 7225.2 | 6686.1 | 4408.6 | 930.4  | 117.1 | 22.8 |
| 13°    | 7908.7 | 7838.7 | 7746.0 | 7668.3 | 7498.2 | 7043.1 | 6593.0 | 4491.8 | 972.7  | 120.4 | 22.8 |
| 11°    | 7860.6 | 7795.7 | 7671.6 | 7556.5 | 7317.4 | 6882.2 | 6538.0 | 4563.3 | 1007.4 | 122.1 | 23.2 |
| 9°     | 7833.3 | 7755.2 | 7603.7 | 7401.0 | 7169.7 | 6742.3 | 6505.3 | 4615.1 | 1036.4 | 122.9 | 23.5 |
| 7°     | 7842.0 | 7713.8 | 7516.4 | 7283.5 | 7035.3 | 6656.3 | 6476.7 | 4652.7 | 1056.3 | 122.4 | 24.0 |
| 5°     | 7839.2 | 7672.0 | 7444.9 | 7206.1 | 6931.4 | 6576.0 | 6454.8 | 4682.5 | 1065.3 | 121.2 | 24.4 |
| 3°     | 7823.8 | 7651.3 | 7380.8 | 7093.2 | 6838.8 | 6511.9 | 6444.9 | 4701.5 | 1073.6 | 120.0 | 24.4 |
| 1°     | 7799.4 | 7601.3 | 7298.4 | 7029.5 | 6773.8 | 6451.5 | 6434.2 | 4709.3 | 1071.6 | 118.8 | 24.4 |
| 0°     | 7775.0 | 7577.2 | 7271.6 | 6996.4 | 6744.0 | 6418.9 | 6418.4 | 4729.2 | 1067.8 | 117.9 | 24.4 |
| -1°    | 7735.3 | 7525.5 | 7224.4 | 6947.1 | 6705.2 | 6424.6 | 6419.2 | 4711.4 | 1063.6 | 116.7 | 24.9 |
| -3°    | 7626.5 | 7430.4 | 7146.6 | 6873.5 | 6634.0 | 6382.5 | 6405.2 | 4694.0 | 1056.3 | 115.5 | 25.2 |
| -5°    | 7503.2 | 7313.3 | 7058.9 | 6787.9 | 6551.6 | 6319.1 | 6372.9 | 4645.2 | 1038.9 | 114.6 | 25.2 |
| -7°    | 7346.4 | 7203.7 | 6931.8 | 6668.7 | 6444.9 | 6228.9 | 6312.1 | 4598.0 | 1019.9 | 113.7 | 25.6 |
| -9°    | 7185.9 | 7036.5 | 6794.5 | 6532.6 | 6327.0 | 6154.0 | 6228.9 | 4524.9 | 994.6  | 113.0 | 25.6 |
| -11°   | 7022.0 | 6868.1 | 6626.5 | 6383.2 | 6187.1 | 6036.6 | 6141.3 | 4442.9 | 966.4  | 113.0 | 26.1 |
| -13°   | 6825.9 | 6685.3 | 6466.0 | 6247.2 | 6058.9 | 5947.6 | 6046.9 | 4339.4 | 932.1  | 113.4 | 26.1 |
| -15°   | 6674.9 | 6524.8 | 6314.6 | 6109.8 | 5938.9 | 5856.2 | 5936.8 | 4207.5 | 899.4  | 114.2 | 26.5 |
| -17°   | 6495.0 | 6365.1 | 6173.1 | 5981.9 | 5827.6 | 5768.1 | 5826.8 | 4073.8 | 857.2  | 114.6 | 26.5 |
| -19.5° | 6143.7 | 6025.4 | 5903.7 | 5778.0 | 5676.6 | 5657.6 | 5686.2 | 3898.4 | 800.1  | 115.5 | 26.5 |
| -22.5° | 5907.5 | 5787.5 | 5655.2 | 5557.5 | 5488.0 | 5553.3 | 5517.4 | 3655.2 | 719.1  | 116.7 | 26.5 |
| -25.5° | 5713.9 | 5603.4 | 5471.0 | 5377.1 | 5337.4 | 5480.5 | 5362.2 | 3392.1 | 628.4  | 116.7 | 26.5 |
| -29°   | 5415.2 | 5318.7 | 5200.1 | 5111.1 | 5089.5 | 5312.6 | 5061.5 | 3088.0 | 521.7  | 115.0 | 26.5 |
| -33°   | 5087.9 | 4979.5 | 4859.5 | 4764.7 | 4724.7 | 5025.1 | 4565.4 | 2723.5 | 388.5  | 110.4 | 26.5 |
| -37.5° | 4879.4 | 4758.1 | 4624.1 | 4475.2 | 4384.5 | 4425.6 | 3902.2 | 2200.5 | 225.9  | 102.6 | 26.1 |
| -42.5° | 4375.1 | 4300.6 | 4135.5 | 3974.6 | 3737.1 | 3452.9 | 2909.7 | 1578.3 | 172.6  | 93.0  | 26.1 |
| -47.5° | 2892.7 | 2838.1 | 2785.2 | 2683.8 | 2457.4 | 2162.1 | 1817.0 | 874.1  | 164.2  | 81.5  | 25.6 |
| -55°   | 799.3  | 810.5  | 858.5  | 799.7  | 699.2  | 612.7  | 594.6  | 266.8  | 151.0  | 62.5  | 24.4 |
| -65°   | 501.8  | 508.9  | 415.0  | 293.8  | 198.6  | 151.9  | 153.9  | 102.2  | 100.5  | 36.4  | 22.8 |
| -75°   | 61.3   | 61.6   | 51.7   | 49.3   | 49.6   | 56.6   | 59.2   | 49.3   | 39.7   | 20.7  | 21.1 |
| -85°   | 27.7   | 27.3   | 26.5   | 25.6   | 25.2   | 24.0   | 22.3   | 20.2   | 18.6   | 19.0  | 19.0 |
| -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: P507775

CATALOG NUMBER: UFLD-CA2-120-750-U-66

**CANDELA DISTRIBUTION (continued):**

|        | 90° |
|--------|-----|
| 90°    | 0.0 |
| 85°    | 0.0 |
| 75°    | 0.0 |
| 65°    | 0.0 |
| 55°    | 0.0 |
| 47.5°  | 0.0 |
| 42.5°  | 0.0 |
| 37.5°  | 0.0 |
| 33°    | 0.0 |
| 29°    | 0.0 |
| 25.5°  | 0.0 |
| 22.5°  | 0.0 |
| 19.5°  | 0.0 |
| 17°    | 0.0 |
| 15°    | 0.0 |
| 13°    | 0.0 |
| 11°    | 0.0 |
| 9°     | 0.0 |
| 7°     | 0.0 |
| 5°     | 0.0 |
| 3°     | 0.0 |
| 1°     | 0.0 |
| 0°     | 0.0 |
| -1°    | 0.0 |
| -3°    | 0.0 |
| -5°    | 0.0 |
| -7°    | 0.0 |
| -9°    | 0.0 |
| -11°   | 0.0 |
| -13°   | 0.0 |
| -15°   | 0.0 |
| -17°   | 0.0 |
| -19.5° | 0.0 |
| -22.5° | 0.0 |
| -25.5° | 0.0 |
| -29°   | 0.0 |
| -33°   | 0.0 |
| -37.5° | 0.0 |
| -42.5° | 0.0 |
| -47.5° | 0.0 |
| -55°   | 0.0 |
| -65°   | 0.0 |
| -75°   | 0.0 |
| -85°   | 0.0 |
| -90°   | 0.0 |

(END OF REPORT)