

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: P507807

Luminaire Tested: **UFLD-L-CA4-180-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-180-722-U-66
Description: UTILITY FLOOD LARGE, 6x6 OPTIC
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	23284 lumens	Max Intensity:	12426.1 candela
Efficiency:	N/A	Max Intensity Angle:	3°H x 29°V
Efficacy:	130.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.33' x L: 1.42' 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:	17300 lumens	Field Lumens:	22501.3 lumens
Beam Efficiency:	74.3%	Field Efficiency:	96.6%

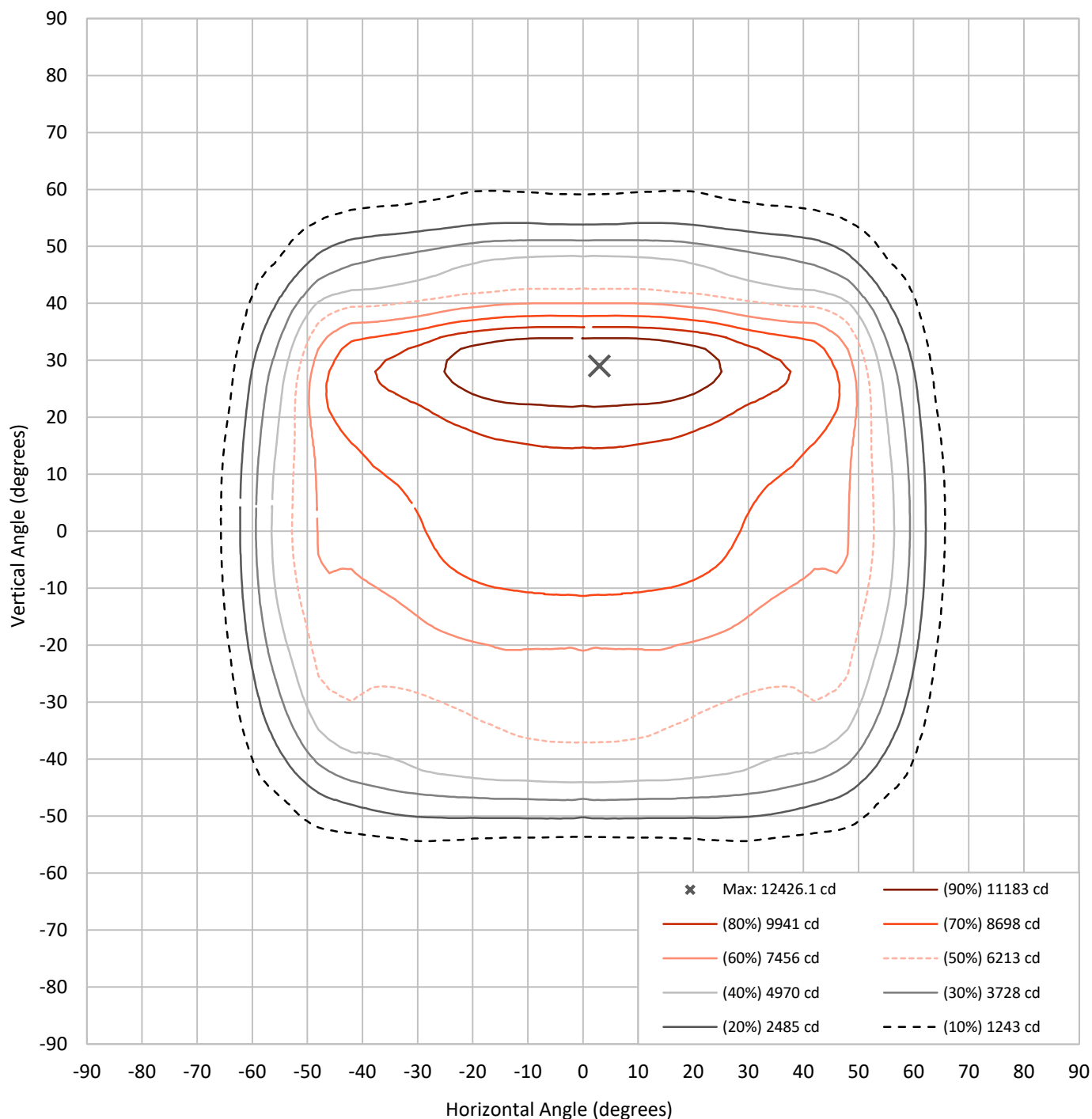
Input Watts (W): 178
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Candela Plot

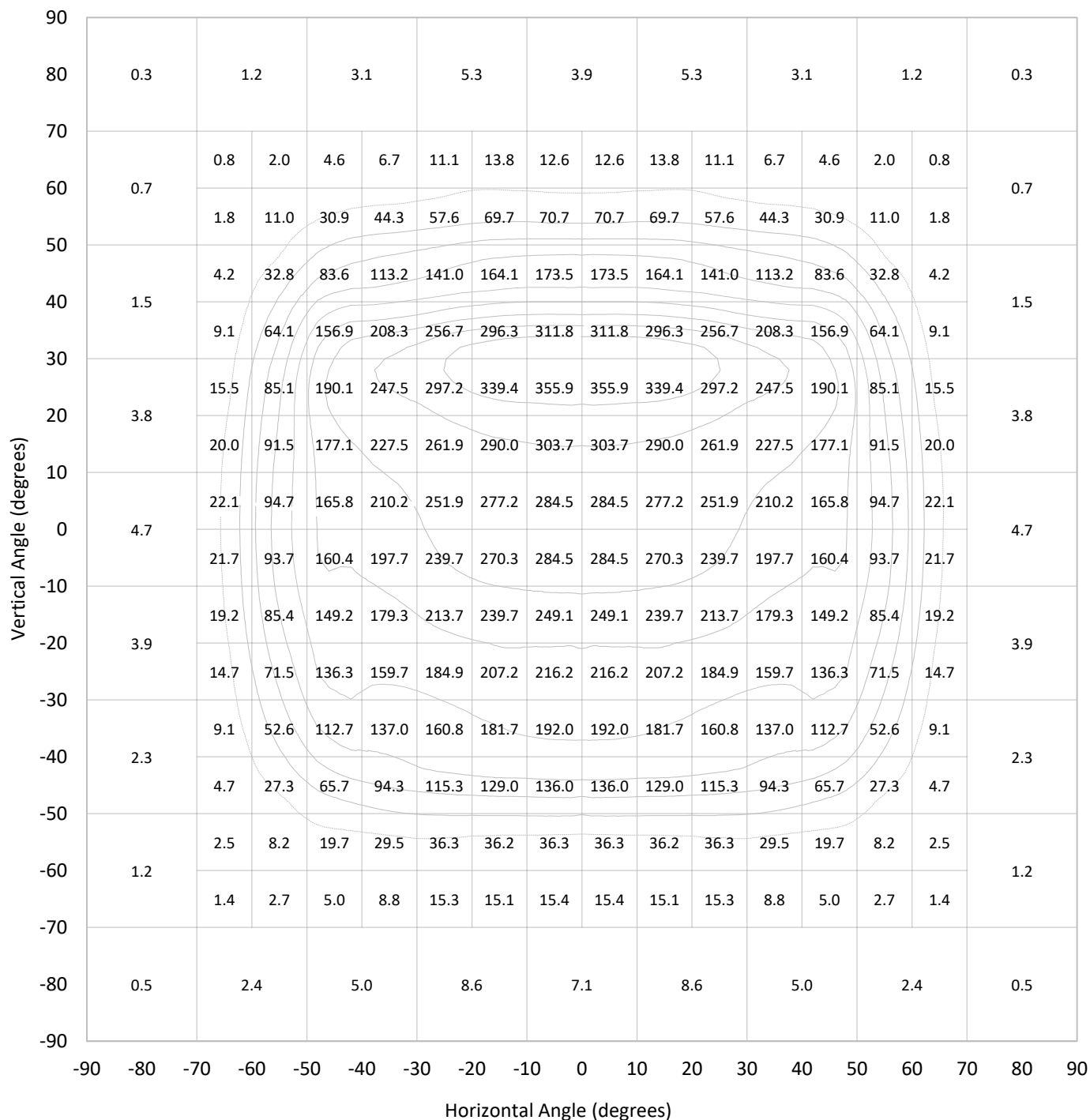




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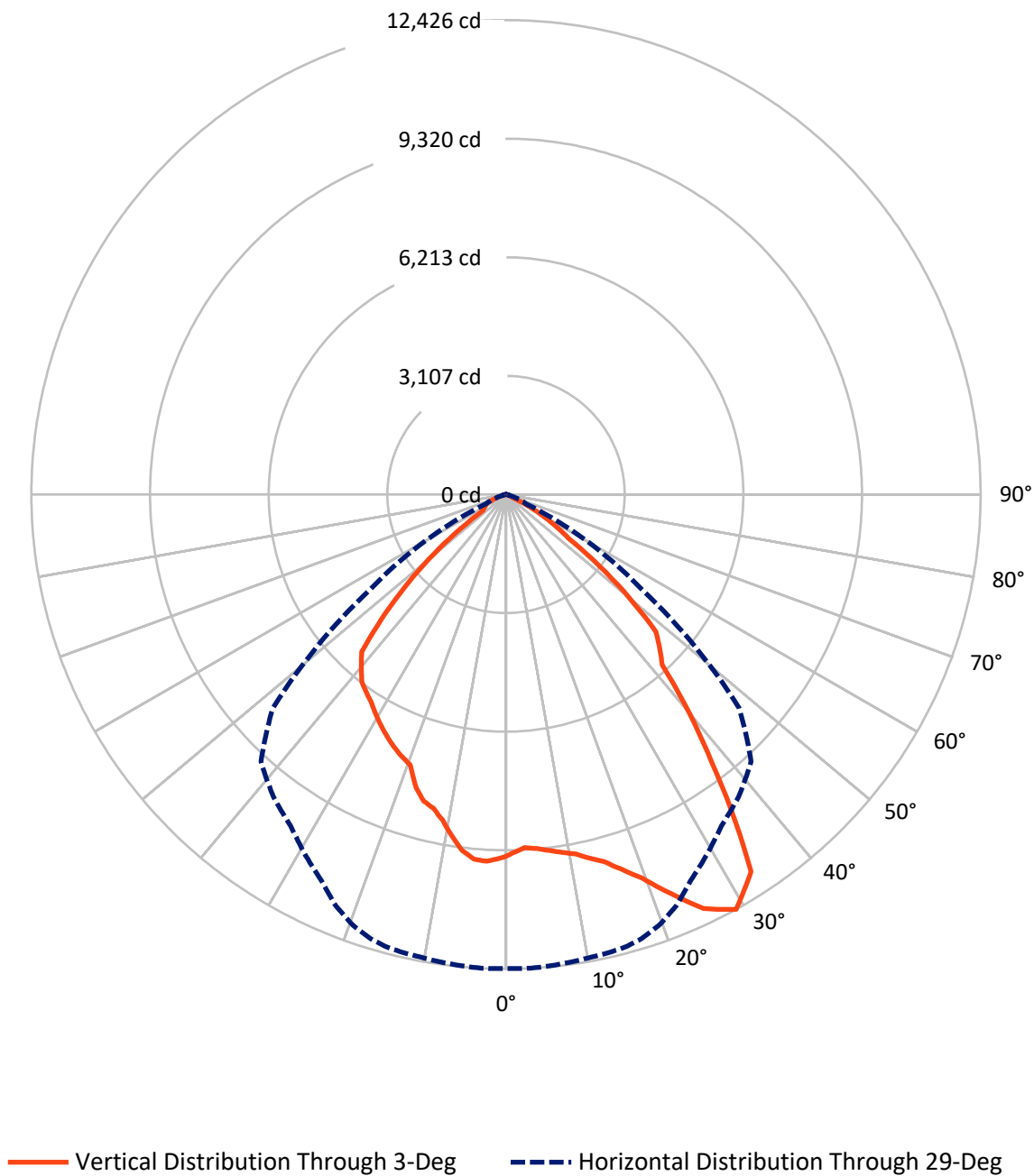
Lumen Table



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Luminous Intensity Polar Plot

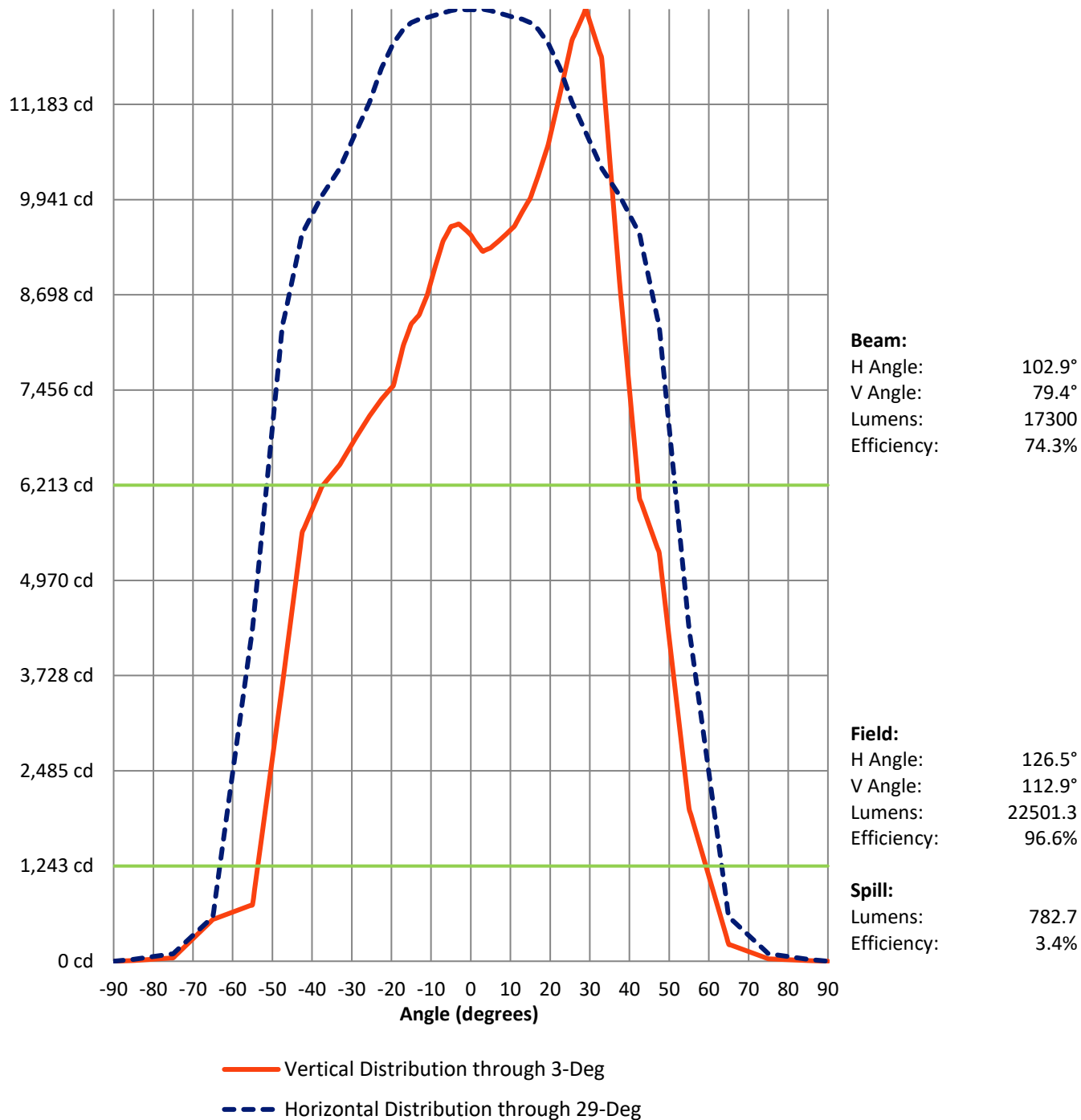




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Luminous Intensity Plot





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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°	0.5	3.9	8.4	19.7	25.6	30.0	33.0	34.4	34.9	34.9	33.4
75°	29.0	29.5	31.5	28.5	22.6	24.6	35.9	40.8	45.3	46.7	44.3
65°	224.3	222.8	221.4	219.9	213.5	204.1	200.7	220.4	270.5	322.7	348.3
55°	1957.8	1950.9	1997.1	1964.7	2028.6	2090.1	2112.2	2118.6	2126.0	2088.6	2038.0
47.5°	5307.7	5353.9	5324.9	5321.0	5287.5	5235.4	5203.9	5152.7	5108.0	5098.6	4945.6
42.5°	6090.3	6069.6	6050.5	6093.3	6068.7	6089.3	6086.9	6034.7	5998.3	5923.5	5848.8
37.5°	8826.8	8842.0	8861.2	8865.1	8877.0	8827.3	8792.8	8756.4	8686.6	8567.5	8396.9
33°	11785.1	11812.2	11779.7	11777.7	11803.8	11792.0	11741.3	11694.1	11590.3	11450.6	11292.2
29°	12419.2	12417.7	12426.1	12406.4	12376.4	12347.4	12315.9	12294.7	12249.5	12162.4	11980.9
25.5°	11997.1	12004.0	12018.3	12007.0	11969.1	11947.9	11920.9	11884.0	11805.3	11711.8	11557.4
22.5°	11290.3	11344.4	11323.2	11308.9	11276.5	11224.8	11235.2	11200.2	11139.2	11043.8	10881.5
19.5°	10634.0	10661.1	10655.7	10616.3	10596.2	10553.9	10534.2	10508.6	10457.0	10397.9	10287.3
17°	10214.0	10264.1	10253.3	10229.2	10197.7	10169.7	10134.3	10112.6	10070.3	10005.4	9871.1
15°	9964.6	9987.2	9960.6	9955.7	9960.1	9904.5	9881.9	9826.8	9813.5	9758.9	9640.4
13°	9754.0	9765.3	9783.0	9755.0	9750.1	9730.4	9683.2	9660.1	9613.8	9591.7	9506.1
11°	9588.7	9666.0	9593.2	9613.3	9590.7	9587.8	9561.2	9548.4	9514.0	9480.0	9427.4
9°	9502.7	9515.9	9492.8	9491.8	9481.5	9462.8	9456.4	9455.4	9448.6	9429.9	9397.4
7°	9397.4	9408.7	9397.9	9387.1	9379.2	9371.3	9393.5	9400.8	9432.8	9406.2	9375.3
5°	9325.6	9314.8	9310.8	9308.8	9328.5	9328.5	9371.8	9396.4	9426.4	9434.8	9394.4
3°	9264.1	9277.4	9265.6	9279.8	9318.7	9339.3	9397.4	9433.3	9453.0	9453.5	9437.2
1°	9359.5	9392.0	9398.4	9408.2	9422.5	9435.3	9478.6	9510.5	9489.4	9490.4	9424.4
0°	9449.0	9461.8	9478.6	9467.2	9485.9	9497.2	9528.2	9534.6	9526.3	9488.9	9400.3
-1°	9543.0	9540.0	9530.7	9528.7	9533.2	9519.9	9537.1	9515.9	9490.9	9457.4	9374.3
-3°	9610.4	9635.0	9621.7	9606.5	9558.2	9558.2	9539.1	9460.4	9426.4	9391.5	9274.4
-5°	9553.8	9585.3	9587.3	9538.6	9463.8	9444.1	9383.1	9335.9	9276.9	9219.8	9101.8
-7°	9427.9	9411.2	9396.4	9333.4	9284.3	9238.0	9156.8	9074.7	9059.5	9005.3	8901.5
-9°	9080.6	9092.4	9057.5	9040.8	8986.6	8926.6	8903.0	8844.5	8813.5	8765.3	8669.9
-11°	8735.8	8688.6	8692.0	8703.8	8665.4	8665.9	8640.3	8604.9	8600.5	8554.8	8474.1
-13°	8463.8	8460.3	8437.2	8456.9	8449.5	8450.5	8426.4	8421.9	8413.6	8382.1	8273.4
-15°	8284.2	8313.2	8316.2	8299.5	8303.4	8294.0	8285.2	8264.0	8257.6	8208.0	8094.3
-17°	8023.0	8032.8	8035.3	8033.8	8021.5	8031.4	8042.2	8033.8	8002.8	7965.0	7873.5
-19.5°	7540.0	7500.6	7514.4	7528.1	7532.1	7531.6	7547.3	7573.9	7549.3	7499.6	7423.9
-22.5°	7367.8	7359.4	7333.8	7342.2	7338.3	7326.0	7326.0	7327.9	7313.7	7261.5	7158.2
-25.5°	7109.5	7121.3	7117.4	7112.0	7111.0	7088.9	7089.9	7093.3	7065.3	7007.7	6914.7
-29°	6824.7	6832.6	6829.6	6816.4	6798.2	6758.3	6741.6	6704.2	6654.5	6622.5	6547.3
-33°	6500.6	6480.9	6481.9	6479.9	6455.8	6432.7	6404.6	6357.9	6306.7	6266.9	6187.2
-37.5°	6195.1	6206.4	6196.1	6199.5	6185.7	6162.6	6137.5	6102.1	6051.9	5994.4	5915.2
-42.5°	5611.7	5603.3	5590.5	5562.5	5551.2	5497.6	5464.6	5465.6	5454.3	5410.5	5335.2
-47.5°	3483.7	3576.2	3597.3	3579.1	3561.4	3554.0	3516.6	3513.7	3516.6	3493.0	3435.0
-55°	719.7	717.2	737.9	752.6	783.1	794.9	800.8	779.2	803.3	853.0	877.1
-65°	554.4	552.4	544.5	544.0	536.7	533.7	533.2	528.3	531.8	546.5	563.2
-75°	43.3	43.3	43.8	38.9	35.9	40.3	52.6	56.6	62.5	60.0	66.9
-85°	1.5	4.4	8.9	20.7	26.6	30.5	33.4	34.9	34.9	34.4	33.9
-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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CATALOG NUMBER: UFLD-L-CA4-180-722-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°	31.0	29.0	27.5	25.6	22.1	18.7	16.2	13.8	15.7	13.8	16.7
75°	39.8	40.3	50.7	63.5	57.1	38.4	26.6	22.1	29.0	16.7	18.2
65°	303.5	195.8	121.5	91.5	74.3	63.0	77.2	58.5	54.1	27.1	19.2
55°	1912.5	1785.1	1691.7	1572.6	1533.8	1424.1	1152.0	468.8	86.1	43.8	20.7
47.5°	4779.9	4565.9	4324.4	4053.8	3820.6	3498.0	2865.9	1253.9	103.3	56.6	22.1
42.5°	5718.4	5474.9	5328.8	5131.6	4913.2	4840.9	4359.3	2159.5	106.3	64.4	22.6
37.5°	8250.8	7978.2	7602.9	7313.2	7084.0	7051.0	6148.3	3048.3	169.2	74.3	23.6
33°	10988.2	10588.8	10071.3	9624.2	9234.6	8884.8	7533.6	3764.1	394.0	85.6	24.1
29°	11655.2	11213.5	10814.6	10350.2	9992.1	9495.3	8276.3	4345.5	579.5	97.9	24.6
25.5°	11241.6	10910.5	10522.4	10157.4	9889.3	9542.5	8597.1	4670.7	729.5	109.2	25.1
22.5°	10631.1	10340.4	10017.7	9785.5	9639.9	9371.8	8572.5	4850.7	849.0	119.0	25.6
19.5°	10094.9	9892.3	9631.5	9487.9	9424.9	9102.7	8325.0	5031.2	956.8	129.4	26.1
17°	9724.0	9549.4	9377.2	9309.3	9246.4	8830.2	8099.7	5157.6	1044.8	134.8	26.6
15°	9507.1	9380.7	9257.2	9208.5	9090.0	8590.7	7949.7	5241.8	1106.3	139.2	27.1
13°	9403.3	9320.2	9210.0	9117.5	8915.3	8374.2	7839.0	5340.6	1156.5	143.1	27.1
11°	9346.2	9269.0	9121.4	8984.7	8700.4	8182.9	7773.6	5425.7	1197.8	145.1	27.5
9°	9313.8	9220.8	9040.8	8799.7	8524.7	8016.6	7734.7	5487.2	1232.2	146.1	28.0
7°	9324.1	9171.6	8937.0	8660.0	8364.9	7914.3	7700.8	5532.0	1255.8	145.6	28.5
5°	9320.7	9121.9	8851.9	8568.0	8241.4	7818.9	7674.7	5567.4	1266.7	144.1	29.0
3°	9302.5	9097.3	8775.6	8433.7	8131.2	7742.6	7662.9	5590.0	1276.5	142.7	29.0
1°	9273.4	9037.8	8677.7	8358.0	8054.0	7670.8	7650.1	5599.4	1274.0	141.2	29.0
0°	9244.4	9009.3	8645.8	8318.6	8018.6	7631.9	7631.4	5623.0	1269.6	140.2	29.0
-1°	9197.2	8947.8	8589.7	8260.1	7972.3	7638.8	7632.4	5601.8	1264.7	138.7	29.5
-3°	9067.8	8834.7	8497.2	8172.5	7887.7	7588.7	7615.7	5581.2	1255.8	137.2	30.0
-5°	8921.2	8695.4	8392.9	8070.7	7789.8	7513.4	7577.3	5523.1	1235.2	136.3	30.0
-7°	8734.8	8565.1	8241.9	7929.0	7662.9	7406.2	7505.0	5467.1	1212.6	135.3	30.5
-9°	8543.9	8366.4	8078.6	7767.2	7522.7	7317.1	7406.2	5380.0	1182.5	134.3	30.5
-11°	8349.1	8166.1	7878.9	7589.6	7356.5	7177.4	7301.9	5282.6	1149.1	134.3	31.0
-13°	8116.0	7948.7	7688.0	7427.8	7204.0	7071.7	7189.7	5159.6	1108.3	134.8	31.0
-15°	7936.4	7757.9	7508.0	7264.5	7061.3	6962.9	7058.9	5002.7	1069.4	135.8	31.5
-17°	7722.4	7568.0	7339.7	7112.5	6929.0	6858.2	6928.0	4843.8	1019.2	136.3	31.5
-19.5°	7304.8	7164.1	7019.5	6870.0	6749.5	6726.8	6760.8	4635.2	951.3	137.2	31.5
-22.5°	7023.9	6881.3	6723.9	6607.8	6525.1	6602.9	6560.1	4346.0	854.9	138.7	31.5
-25.5°	6793.7	6662.4	6505.0	6393.3	6346.1	6516.3	6375.6	4033.1	747.2	138.7	31.5
-29°	6438.6	6324.0	6182.8	6077.0	6051.4	6316.6	6018.0	3671.6	620.3	136.8	31.5
-33°	6049.5	5920.6	5777.9	5665.3	5617.6	5974.7	5428.2	3238.2	461.9	131.3	31.5
-37.5°	5801.6	5657.4	5498.0	5321.0	5213.2	5261.9	4639.7	2616.5	268.6	122.0	31.0
-42.5°	5201.9	5113.4	4917.1	4725.8	4443.4	4105.5	3459.6	1876.6	205.1	110.7	31.0
-47.5°	3439.4	3374.5	3311.5	3191.0	2921.9	2570.7	2160.5	1039.4	195.3	96.9	30.5
-55°	950.4	963.6	1020.7	950.9	831.3	728.5	706.9	317.3	179.5	74.3	29.0
-65°	596.7	605.0	493.4	349.3	236.1	180.5	183.0	121.5	119.5	43.3	27.1
-75°	72.8	73.3	61.5	58.5	59.0	67.4	70.3	58.5	47.2	24.6	25.1
-85°	33.0	32.5	31.5	30.5	30.0	28.5	26.6	24.1	22.1	22.6	22.6
-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°
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)