Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P980892

Luminaire Tested: **UFLD-CA-140-760-U-33**

Issue Date: 04/10/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P980892
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	UFLD-CA-140-760-U-33
Description:	UTILITY FLOOD MEDIUM SIZE 140W 70CRI 5700K LED FIXTURE NEMA 3
Light Source:	(8) 5700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	16922.4 lumens	Max Intensity:	92574.5 candela
Efficiency:	N/A	Max Intensity Angle:	2°H x 2°V
Efficacy:	123.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.75' x L: 0.38' x H: 0')		

Beam Angle (50%):	20.9°H x 20.7°V	Field Angle (10%):	45.3°H x 44.8°V
Beam Lumens:	7327.8 lumens	Field Lumens:	14927 lumens
Beam Efficiency:	43.3%	Field Efficiency:	88.2%

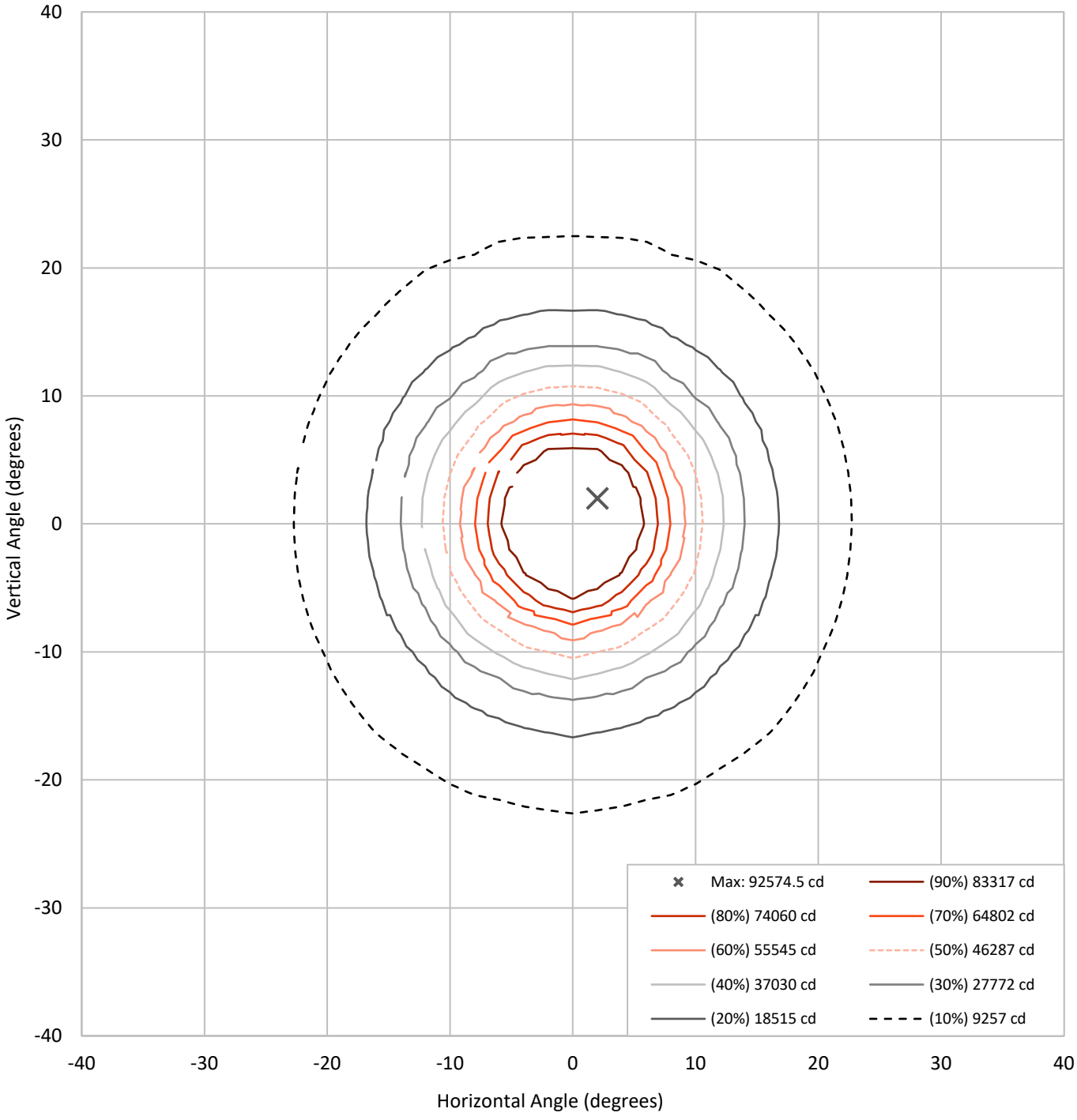
Input Watts (W):	137.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.72%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

Iso-Candela Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

Lumen Table

Vertical Angle (degrees)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	1.1	4.6	4.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	9.4	88.4	178.6	178.6	88.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	1.6	86.9	342.4	702.2	702.2	342.4	86.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0	0.0	0.0	0.0	7.5	173.7	685.3	2037.9	2037.9	685.3	173.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10	0.0	0.0	0.0	7.2	170.3	661.2	1963.2	1963.2	661.2	170.3	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20	0.0	0.0	0.0	1.3	80.5	328.0	659.4	659.4	328.0	80.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30	0.0	0.0	0.0	0.0	7.6	82.5	174.6	174.6	82.5	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40	0.0	0.0	0.0	0.0	0.0	0.8	4.9	4.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

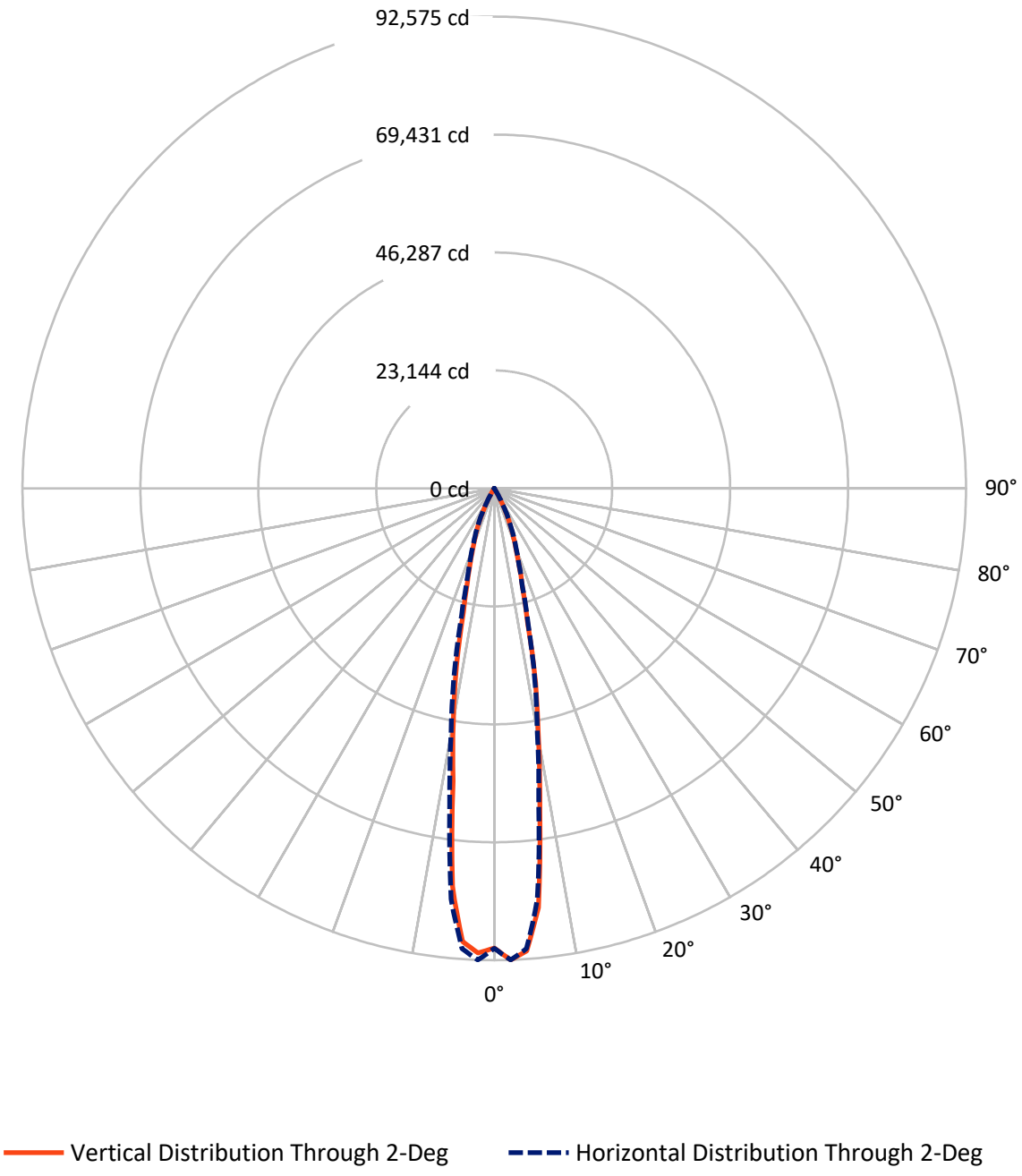
Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

Luminous Intensity Polar Plot

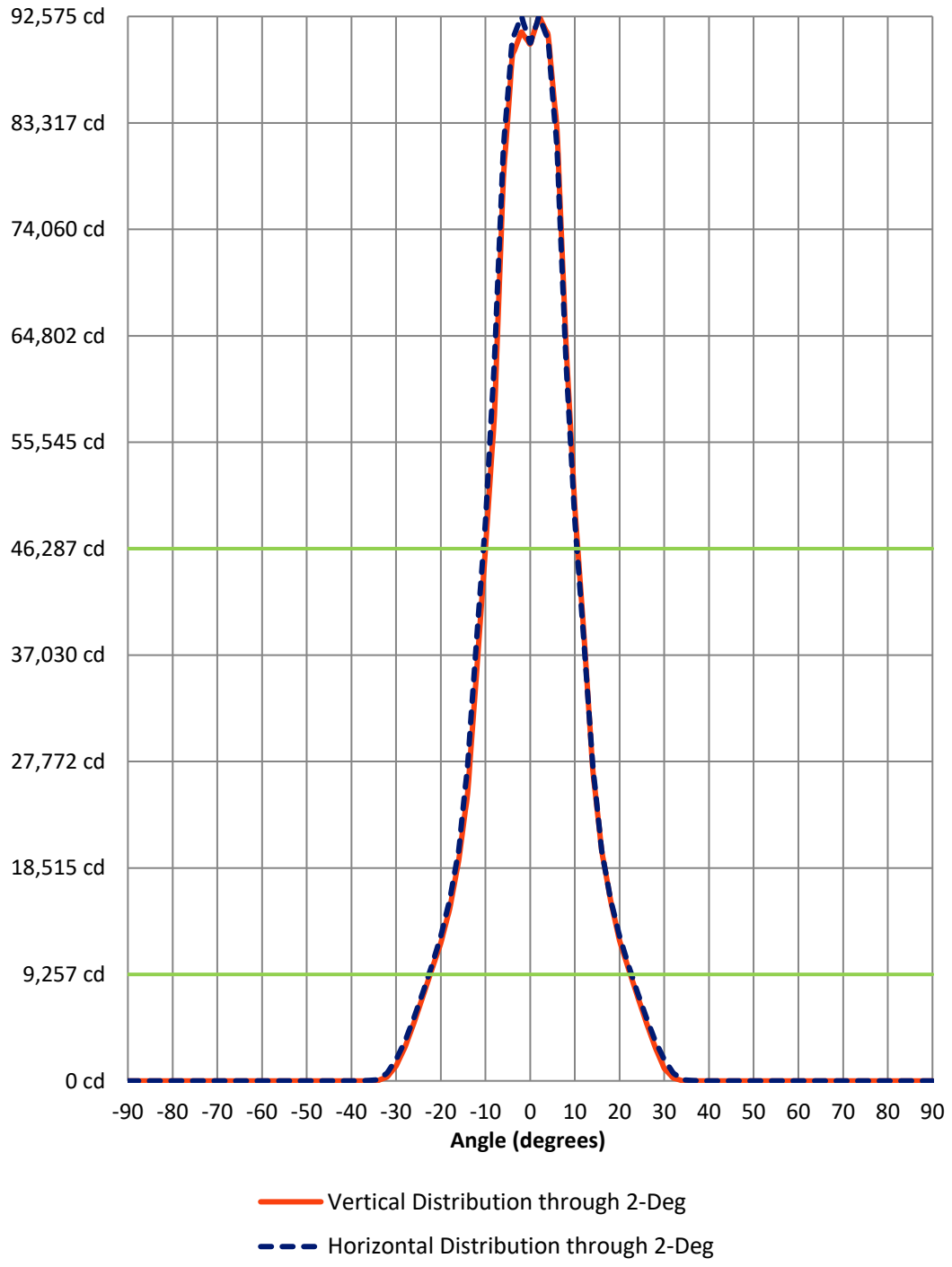


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

Luminous Intensity Plot



Beam:

H Angle:	20.9°
V Angle:	20.7°
Lumens:	7327.8
Efficiency:	43.3%

Field:

H Angle:	45.3°
V Angle:	44.8°
Lumens:	14927
Efficiency:	88.2%

Spill:

Lumens:	1995.4
Efficiency:	11.8%

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34°	8.7	17.5	8.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32°	222.5	257.5	244.4	309.8	200.7	209.5	104.7	13.1	0.0	0.0	0.0
30°	1021.1	1086.5	1056.0	1191.3	798.5	820.4	589.1	292.4	130.9	34.9	0.0
28°	2836.4	2893.1	2766.5	2736.0	2085.8	2020.4	1640.7	999.3	576.0	288.0	74.2
26°	5026.9	5057.5	4939.6	4804.4	3922.9	3752.7	3198.5	2155.6	1470.5	885.8	440.7
24°	7400.7	7374.5	7291.6	7029.8	6034.9	5733.8	5079.3	3792.0	2801.5	1898.2	1191.3
22°	9840.0	9744.0	9669.8	9307.6	8242.9	7806.5	7086.5	5664.0	4407.3	3250.9	2277.8
20°	12288.0	12192.0	12048.0	11629.1	10372.4	9874.9	9111.3	7645.1	6178.9	4852.4	3565.1
18°	15600.0	15687.3	15294.5	14539.6	12859.6	11991.3	10965.8	9495.3	7928.7	6449.5	4957.1
16°	19959.3	20042.2	19173.8	18165.8	15861.8	14674.9	13082.2	11227.6	9534.5	8050.9	6414.5
14°	27141.8	27072.0	25396.4	23428.4	19819.6	17694.5	15652.4	13234.9	11092.4	9442.9	7714.9
12°	39338.2	38941.1	36165.8	32264.7	25365.8	21525.8	18584.7	15469.1	12728.7	10721.5	8871.3
10°	50395.6	49832.7	47162.2	42589.1	33979.6	27067.6	22075.6	17829.8	14544.0	12061.1	9883.6
8°	66034.9	64215.3	58350.5	51216.0	43200.0	34529.5	26866.9	20434.9	16258.9	13282.9	10826.2
6°	83000.7	82721.5	75844.4	62535.3	50256.0	41485.1	31906.9	23336.7	17834.2	14356.4	11598.5
4°	91322.2	90973.1	86382.5	74814.5	56757.8	46158.5	35969.5	25797.8	19143.3	15194.2	12161.5
2°	90257.5	92574.5	90532.4	81037.1	62679.3	48689.5	38308.4	27451.6	20020.4	15761.5	12580.4

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°
0°	89742.5	90178.9	90820.4	82481.5	64372.4	49383.3	38674.9	27783.3	20277.8	15918.5	12645.8
-2°	92029.1	91213.1	89035.6	79230.5	61440.0	48209.5	37143.3	26701.1	19845.8	15639.3	12405.8
-4°	91077.8	89127.3	82686.5	69901.1	55108.4	45364.4	33661.1	24576.0	18868.4	15019.6	11952.0
-6°	82686.5	78497.5	69552.0	56919.3	48693.8	39866.2	29096.7	21957.8	17467.6	14103.3	11284.4
-8°	63556.4	57931.6	54043.6	47685.8	41611.6	32522.2	24336.0	19339.6	15866.2	12999.3	10512.0
-10°	49003.6	46324.4	43880.7	38173.1	32413.1	25745.5	20295.3	16865.5	14164.4	11781.8	9600.0
-12°	37745.5	35458.9	32561.5	27914.2	24418.9	20696.7	17122.9	14644.4	12519.3	10564.4	8626.9
-14°	26426.2	25003.6	23550.5	21124.4	19296.0	16970.2	14465.5	12562.9	10992.0	9264.0	7426.9
-16°	19933.1	19156.4	18318.5	16791.3	15678.5	14024.7	12157.1	10808.7	9547.6	7893.8	6130.9
-18°	15682.9	14980.4	14474.2	13527.3	12776.7	11559.3	10302.5	9163.6	7941.8	6296.7	4695.3
-20°	12349.1	11982.5	11554.9	10970.2	10546.9	9600.0	8408.7	7309.1	6183.3	4664.7	3312.0
-22°	9997.1	9696.0	9338.2	8770.9	8352.0	7470.5	6344.7	5506.9	4481.5	3159.3	2090.2
-24°	7640.7	7352.7	7038.5	6493.1	6087.3	5319.3	4363.6	3696.0	2897.5	1793.5	1029.8
-26°	5336.7	5048.7	4795.6	4285.1	3949.1	3320.7	2600.7	2107.6	1505.5	763.6	349.1
-28°	3211.6	2941.1	2770.9	2325.8	2090.2	1649.5	1230.5	907.6	576.0	226.9	43.6
-30°	1474.9	1304.7	1200.0	907.6	798.5	549.8	370.9	257.5	130.9	21.8	0.0
-32°	427.6	344.7	292.4	213.8	196.4	104.7	39.3	13.1	4.4	0.0	0.0
-34°	65.5	39.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°
-90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°	42°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28°	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26°	200.7	34.9	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24°	628.4	187.6	74.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22°	1378.9	558.5	244.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	2352.0	1248.0	593.5	61.1	34.9	0.0	0.0	0.0	0.0	0.0	0.0
18°	3464.7	2107.6	1108.4	244.4	130.9	0.0	0.0	0.0	0.0	0.0	0.0
16°	4660.4	3050.2	1771.6	610.9	318.5	0.0	0.0	0.0	0.0	0.0	0.0
14°	5777.5	4010.2	2491.6	1134.5	549.8	56.7	0.0	0.0	0.0	0.0	0.0
12°	6881.5	4952.7	3216.0	1680.0	829.1	148.4	0.0	0.0	0.0	0.0	0.0
10°	7854.5	5799.3	3896.7	2199.3	1104.0	261.8	4.4	4.4	0.0	0.0	0.0
8°	8666.2	6510.5	4477.1	2653.1	1365.8	405.8	30.5	13.1	0.0	0.0	0.0
6°	9312.0	7082.2	4952.7	3024.0	1588.4	532.4	56.7	21.8	0.0	0.0	0.0
4°	9761.5	7483.6	5301.8	3298.9	1758.5	632.7	78.5	34.9	0.0	0.0	0.0
2°	*10036.4*	*7701.8*	*5493.8*	*3451.6*	*1854.5*	*693.8*	*96.0*	*39.3*	*0.0*	*0.0*	*0.0*

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°	42°
0°	10110.5	7767.3	5546.2	3490.9	1885.1	715.6	100.4	43.6	0.0	0.0	0.0
-2°	9979.6	7662.5	5445.8	3403.6	1824.0	685.1	96.0	39.3	0.0	0.0	0.0
-4°	9665.5	7383.3	5184.0	3202.9	1697.5	610.9	78.5	34.9	0.0	0.0	0.0
-6°	9176.7	6938.2	4786.9	2888.7	1501.1	501.8	52.4	21.8	0.0	0.0	0.0
-8°	8513.5	6331.6	4276.4	2482.9	1256.7	370.9	26.2	13.1	0.0	0.0	0.0
-10°	7666.9	5563.6	3652.4	2011.6	990.5	235.6	4.4	0.0	0.0	0.0	0.0
-12°	6676.4	4673.5	2945.5	1488.0	720.0	130.9	0.0	0.0	0.0	0.0	0.0
-14°	5554.9	3700.4	2199.3	938.2	453.8	48.0	0.0	0.0	0.0	0.0	0.0
-16°	4359.3	2709.8	1488.0	427.6	226.9	0.0	0.0	0.0	0.0	0.0	0.0
-18°	3168.0	1762.9	881.5	144.0	78.5	0.0	0.0	0.0	0.0	0.0	0.0
-20°	2059.6	925.1	427.6	30.5	17.5	0.0	0.0	0.0	0.0	0.0	0.0
-22°	1147.6	318.5	148.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-24°	488.7	100.4	43.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-26°	144.0	13.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-28°	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-32°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-34°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°	42°
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	44°	46°	48°	50°	52°	54°	56°	58°	60°	62°	64°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	44°	46°	48°	50°	52°	54°	56°	58°	60°	62°	64°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-4°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-6°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-8°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-12°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-14°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-16°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-18°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-22°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-24°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-26°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-28°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-32°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-34°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	44°	46°	48°	50°	52°	54°	56°	58°	60°	62°	64°
-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: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	66°	68°	70°	72°	74°	76°	78°	80°	82°	84°	86°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	66°	68°	70°	72°	74°	76°	78°	80°	82°	84°	86°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-4°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-6°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-8°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-12°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-14°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-16°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-18°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-22°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-24°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-26°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-28°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-32°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-34°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-36°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-38°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-42°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-44°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-46°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-48°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-52°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-54°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-56°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-62°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-64°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-68°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-72°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	66°	68°	70°	72°	74°	76°	78°	80°	82°	84°	86°
-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: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	88°	90°
90°	0.0	0.0
88°	0.0	0.0
86°	0.0	0.0
84°	0.0	0.0
82°	0.0	0.0
80°	0.0	0.0
78°	0.0	0.0
76°	0.0	0.0
74°	0.0	0.0
72°	0.0	0.0
70°	0.0	0.0
68°	0.0	0.0
66°	0.0	0.0
64°	0.0	0.0
62°	0.0	0.0
60°	0.0	0.0
58°	0.0	0.0
56°	0.0	0.0
54°	0.0	0.0
52°	0.0	0.0
50°	0.0	0.0
48°	0.0	0.0
46°	0.0	0.0
44°	0.0	0.0
42°	0.0	0.0
40°	0.0	0.0
38°	0.0	0.0
36°	0.0	0.0
34°	0.0	0.0
32°	0.0	0.0
30°	0.0	0.0
28°	0.0	0.0
26°	0.0	0.0
24°	0.0	0.0
22°	0.0	0.0
20°	0.0	0.0
18°	0.0	0.0
16°	0.0	0.0
14°	0.0	0.0
12°	0.0	0.0
10°	0.0	0.0
8°	0.0	0.0
6°	0.0	0.0
4°	0.0	0.0
2°	*0.0*	*0.0*

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	88°	90°
0°	0.0	0.0
-2°	0.0	0.0
-4°	0.0	0.0
-6°	0.0	0.0
-8°	0.0	0.0
-10°	0.0	0.0
-12°	0.0	0.0
-14°	0.0	0.0
-16°	0.0	0.0
-18°	0.0	0.0
-20°	0.0	0.0
-22°	0.0	0.0
-24°	0.0	0.0
-26°	0.0	0.0
-28°	0.0	0.0
-30°	0.0	0.0
-32°	0.0	0.0
-34°	0.0	0.0
-36°	0.0	0.0
-38°	0.0	0.0
-40°	0.0	0.0
-42°	0.0	0.0
-44°	0.0	0.0
-46°	0.0	0.0
-48°	0.0	0.0
-50°	0.0	0.0
-52°	0.0	0.0
-54°	0.0	0.0
-56°	0.0	0.0
-58°	0.0	0.0
-60°	0.0	0.0
-62°	0.0	0.0
-64°	0.0	0.0
-66°	0.0	0.0
-68°	0.0	0.0
-70°	0.0	0.0
-72°	0.0	0.0
-74°	0.0	0.0
-76°	0.0	0.0
-78°	0.0	0.0
-80°	0.0	0.0
-82°	0.0	0.0
-84°	0.0	0.0
-86°	0.0	0.0
-88°	0.0	0.0

REPORT NUMBER: P980892
CATALOG NUMBER: UFLD-CA-140-760-U-33

CANDELA DISTRIBUTION (continued):

	88°	90°
-90°	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2501-319-5

Test Date: 02/04/2025

Luminaire Tested: NFFLD-C25-7060-33

Data in this report applies to families of products including NFFLD-C25-7060-33

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

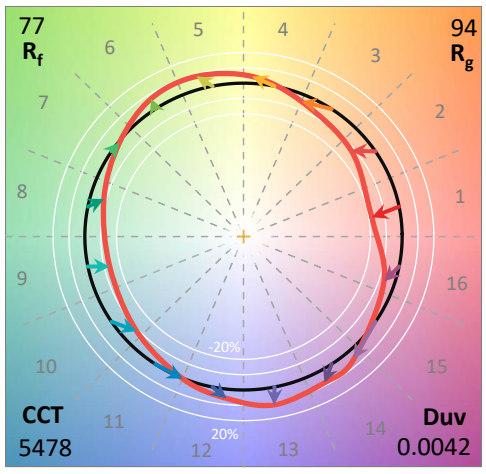
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	02/06/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**NFFLD-C25-7060-33**
Description:	LUMARK NIGHT FALCON 10500LM NEMA 3

Spectral Parameters

CCT (K):	5478
CIE u':	0.2039
CIE v':	0.4821
Duv:	0.0042
CIE x:	0.3330
CIE y:	0.3499
CIE z:	0.3170
Peak Wavelength (nm):	446
Dominant Wavelength (nm):	553
Purity:	4.951371
Rf:	77
Rg:	94.1

CRI (Ra):	74.6
R1:	70.6
R2:	79.8
R3:	88.0
R4:	75.2
R5:	73.4
R6:	73.8
R7:	81.1
R8:	54.9
R9:	-37.3
R10:	54.0
R11:	74.2
R12:	55.5
R13:	72.3
R14:	93.5
R15:	62.0



Test Conditions

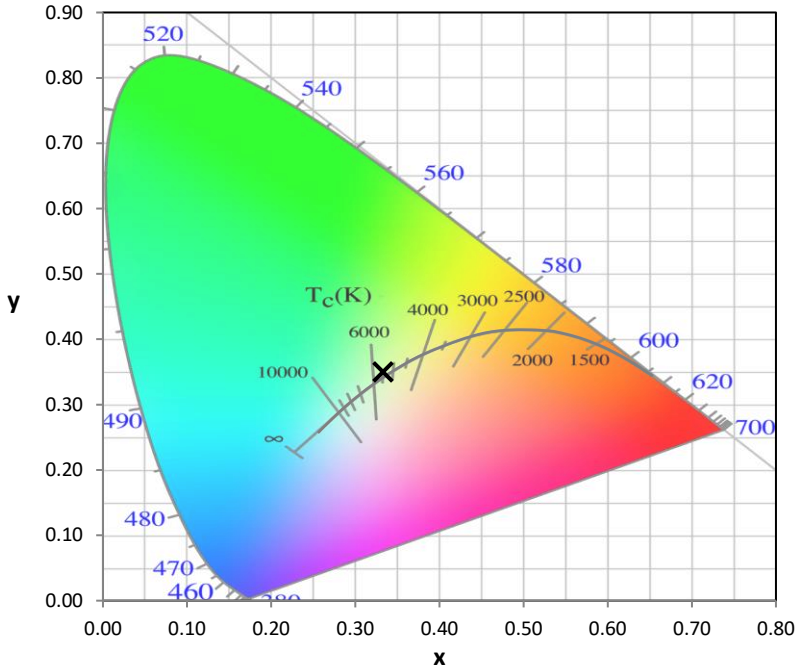
Stabilization Time:	41M
Operation Time:	1H 41M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-319-5

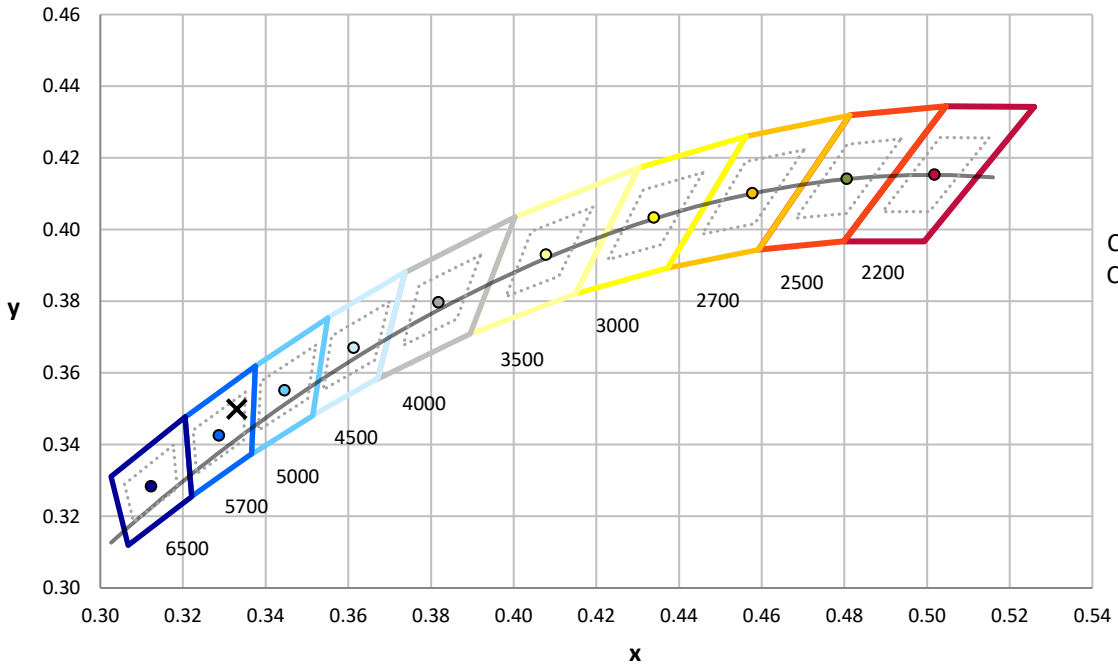
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-319-5

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

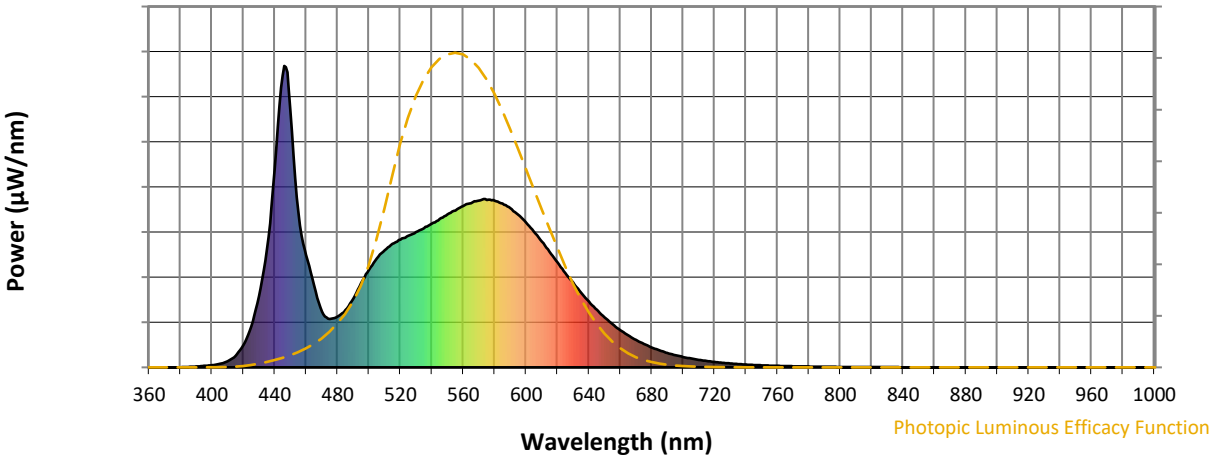


CCT = 5478K
CIE x = 0.3330
CIE y = 0.3499
Duv = 0.0042

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-5

Photopic Flux vs. Wavelength

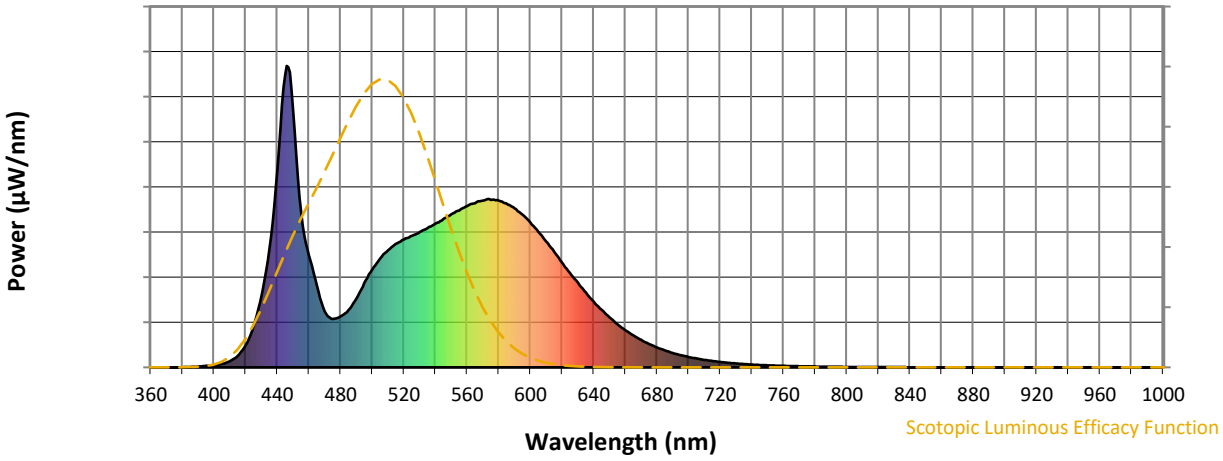


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	228	NR	620	349	NR	750	7	NR	880	0	NR
365	0	NR	495	279	NR	625	313	NR	755	6	NR	885	0	NR
370	0	NR	500	324	NR	630	281	NR	760	5	NR	890	0	NR
375	0	NR	505	361	NR	635	248	NR	765	4	NR	895	0	NR
380	0	NR	510	389	NR	640	219	NR	770	4	NR	900	0	NR
385	1	NR	515	410	NR	645	191	NR	775	3	NR	905	0	NR
390	3	NR	520	424	NR	650	166	NR	780	3	NR	910	0	NR
395	5	NR	525	437	NR	655	144	NR	785	2	NR	915	0	NR
400	7	NR	530	449	NR	660	123	NR	790	2	NR	920	0	NR
405	12	NR	535	462	NR	665	106	NR	795	2	NR	925	0	NR
410	21	NR	540	477	NR	670	91	NR	800	2	NR	930	0	NR
415	38	NR	545	492	NR	675	78	NR	805	1	NR	935	0	NR
420	73	NR	550	507	NR	680	66	NR	810	1	NR	940	0	NR
425	136	NR	555	520	NR	685	56	NR	815	1	NR	945	0	NR
430	236	NR	560	535	NR	690	48	NR	820	1	NR	950	0	NR
435	393	NR	565	545	NR	695	41	NR	825	1	NR	955	0	NR
440	657	NR	570	554	NR	700	34	NR	830	1	NR	960	0	NR
445	969	NR	575	555	NR	705	29	NR	835	1	NR	965	0	NR
450	853	NR	580	553	NR	710	25	NR	840	1	NR	970	0	NR
455	516	NR	585	543	NR	715	21	NR	845	0	NR	975	0	NR
460	372	NR	590	528	NR	720	18	NR	850	0	NR	980	0	NR
465	273	NR	595	507	NR	725	15	NR	855	0	NR	985	0	NR
470	185	NR	600	480	NR	730	13	NR	860	0	NR	990	0	NR
475	161	NR	605	451	NR	735	11	NR	865	0	NR	995	0	NR
480	169	NR	610	417	NR	740	9	NR	870	0	NR	1000	0	NR
485	190	NR	615	383	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2501-319-5

Scotopic Flux vs. Wavelength

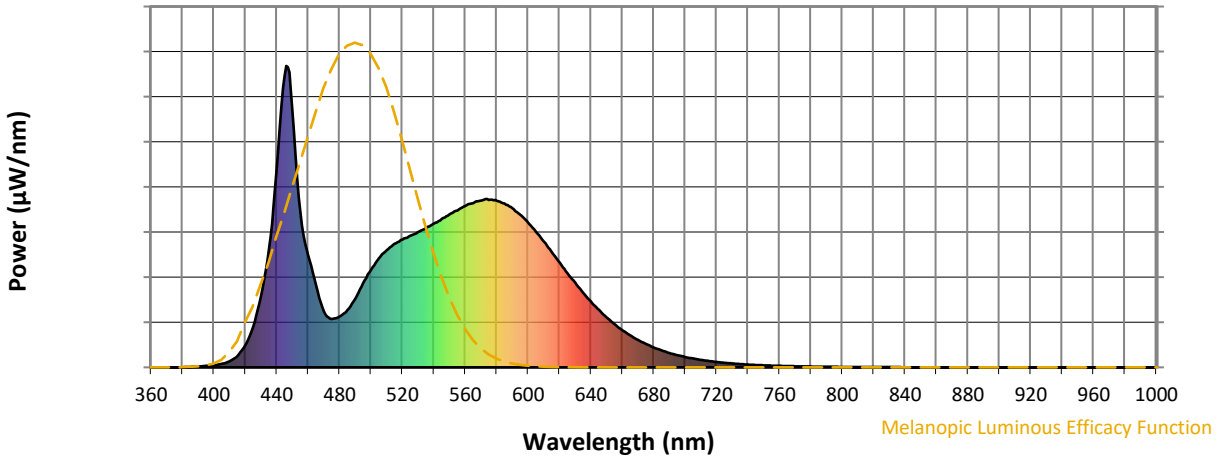


Scotopic Lumens: NR **S/P: 1.94**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	228	NR	620	349	NR	750	7	NR	880	0	NR
365	0	NR	495	279	NR	625	313	NR	755	6	NR	885	0	NR
370	0	NR	500	324	NR	630	281	NR	760	5	NR	890	0	NR
375	0	NR	505	361	NR	635	248	NR	765	4	NR	895	0	NR
380	0	NR	510	389	NR	640	219	NR	770	4	NR	900	0	NR
385	1	NR	515	410	NR	645	191	NR	775	3	NR	905	0	NR
390	3	NR	520	424	NR	650	166	NR	780	3	NR	910	0	NR
395	5	NR	525	437	NR	655	144	NR	785	2	NR	915	0	NR
400	7	NR	530	449	NR	660	123	NR	790	2	NR	920	0	NR
405	12	NR	535	462	NR	665	106	NR	795	2	NR	925	0	NR
410	21	NR	540	477	NR	670	91	NR	800	2	NR	930	0	NR
415	38	NR	545	492	NR	675	78	NR	805	1	NR	935	0	NR
420	73	NR	550	507	NR	680	66	NR	810	1	NR	940	0	NR
425	136	NR	555	520	NR	685	56	NR	815	1	NR	945	0	NR
430	236	NR	560	535	NR	690	48	NR	820	1	NR	950	0	NR
435	393	NR	565	545	NR	695	41	NR	825	1	NR	955	0	NR
440	657	NR	570	554	NR	700	34	NR	830	1	NR	960	0	NR
445	969	NR	575	555	NR	705	29	NR	835	1	NR	965	0	NR
450	853	NR	580	553	NR	710	25	NR	840	1	NR	970	0	NR
455	516	NR	585	543	NR	715	21	NR	845	0	NR	975	0	NR
460	372	NR	590	528	NR	720	18	NR	850	0	NR	980	0	NR
465	273	NR	595	507	NR	725	15	NR	855	0	NR	985	0	NR
470	185	NR	600	480	NR	730	13	NR	860	0	NR	990	0	NR
475	161	NR	605	451	NR	735	11	NR	865	0	NR	995	0	NR
480	169	NR	610	417	NR	740	9	NR	870	0	NR	1000	0	NR
485	190	NR	615	383	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2501-319-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.08**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	228	NR	620	349	NR	750	7	NR	880	0	NR
365	0	NR	495	279	NR	625	313	NR	755	6	NR	885	0	NR
370	0	NR	500	324	NR	630	281	NR	760	5	NR	890	0	NR
375	0	NR	505	361	NR	635	248	NR	765	4	NR	895	0	NR
380	0	NR	510	389	NR	640	219	NR	770	4	NR	900	0	NR
385	1	NR	515	410	NR	645	191	NR	775	3	NR	905	0	NR
390	3	NR	520	424	NR	650	166	NR	780	3	NR	910	0	NR
395	5	NR	525	437	NR	655	144	NR	785	2	NR	915	0	NR
400	7	NR	530	449	NR	660	123	NR	790	2	NR	920	0	NR
405	12	NR	535	462	NR	665	106	NR	795	2	NR	925	0	NR
410	21	NR	540	477	NR	670	91	NR	800	2	NR	930	0	NR
415	38	NR	545	492	NR	675	78	NR	805	1	NR	935	0	NR
420	73	NR	550	507	NR	680	66	NR	810	1	NR	940	0	NR
425	136	NR	555	520	NR	685	56	NR	815	1	NR	945	0	NR
430	236	NR	560	535	NR	690	48	NR	820	1	NR	950	0	NR
435	393	NR	565	545	NR	695	41	NR	825	1	NR	955	0	NR
440	657	NR	570	554	NR	700	34	NR	830	1	NR	960	0	NR
445	969	NR	575	555	NR	705	29	NR	835	1	NR	965	0	NR
450	853	NR	580	553	NR	710	25	NR	840	1	NR	970	0	NR
455	516	NR	585	543	NR	715	21	NR	845	0	NR	975	0	NR
460	372	NR	590	528	NR	720	18	NR	850	0	NR	980	0	NR
465	273	NR	595	507	NR	725	15	NR	855	0	NR	985	0	NR
470	185	NR	600	480	NR	730	13	NR	860	0	NR	990	0	NR
475	161	NR	605	451	NR	735	11	NR	865	0	NR	995	0	NR
480	169	NR	610	417	NR	740	9	NR	870	0	NR	1000	0	NR
485	190	NR	615	383	NR	745	8	NR	875	0	NR			

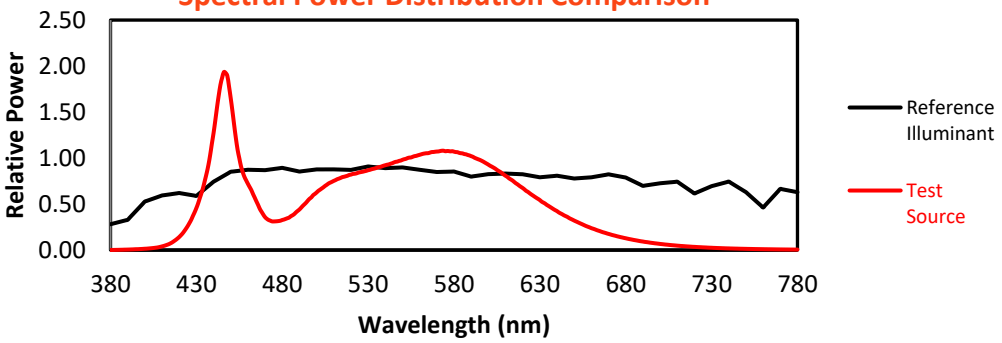
REPORT NUMBER: SP1-2501-319-5

TM-30-18

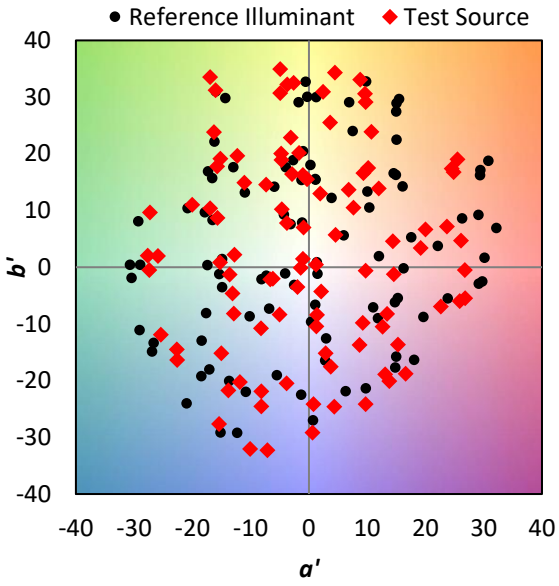
Summary

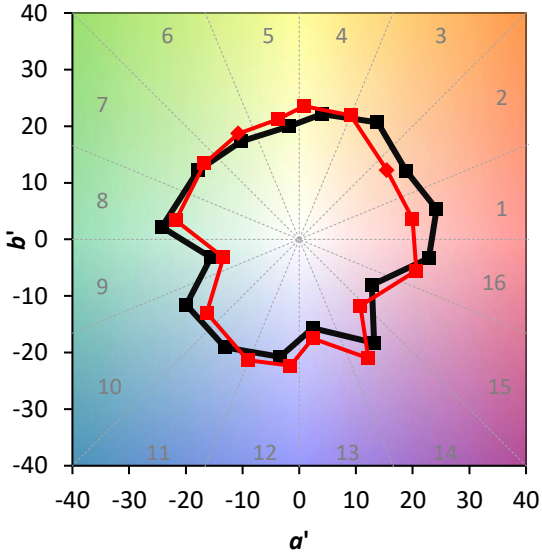
R_f = 77
R_g = 94.1
CIE R_a = 74.6
R_9 = -37.3

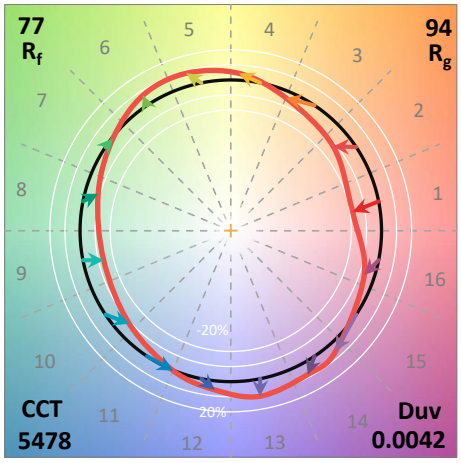
Spectral Power Distribution Comparison

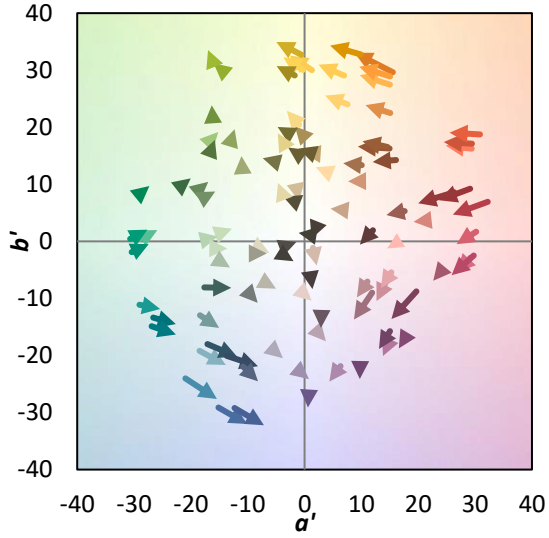


Color Vector Graphics







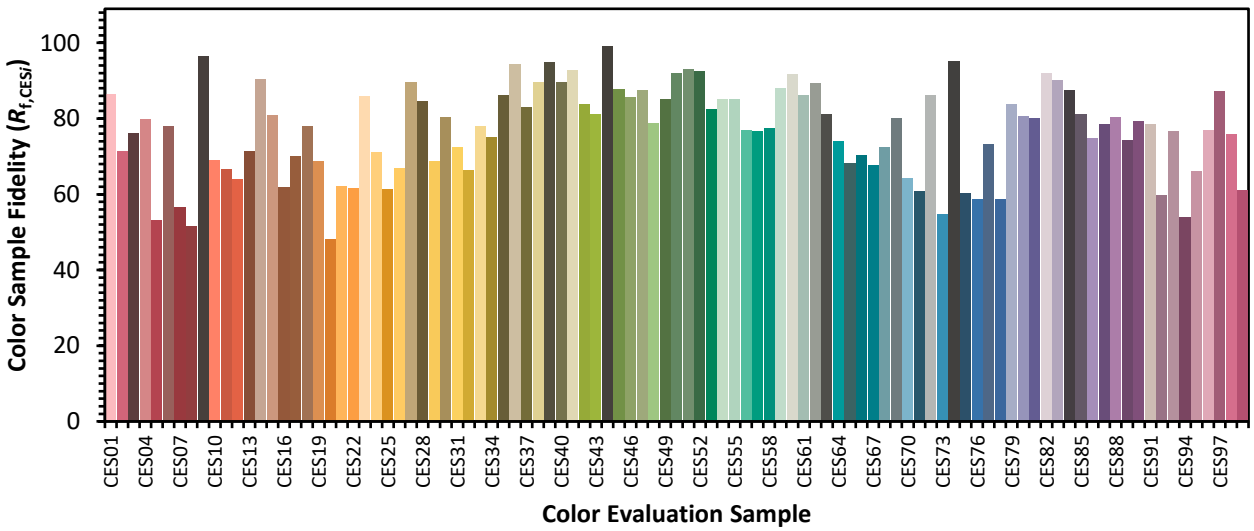


REPORT NUMBER: SP1-2501-319-5

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

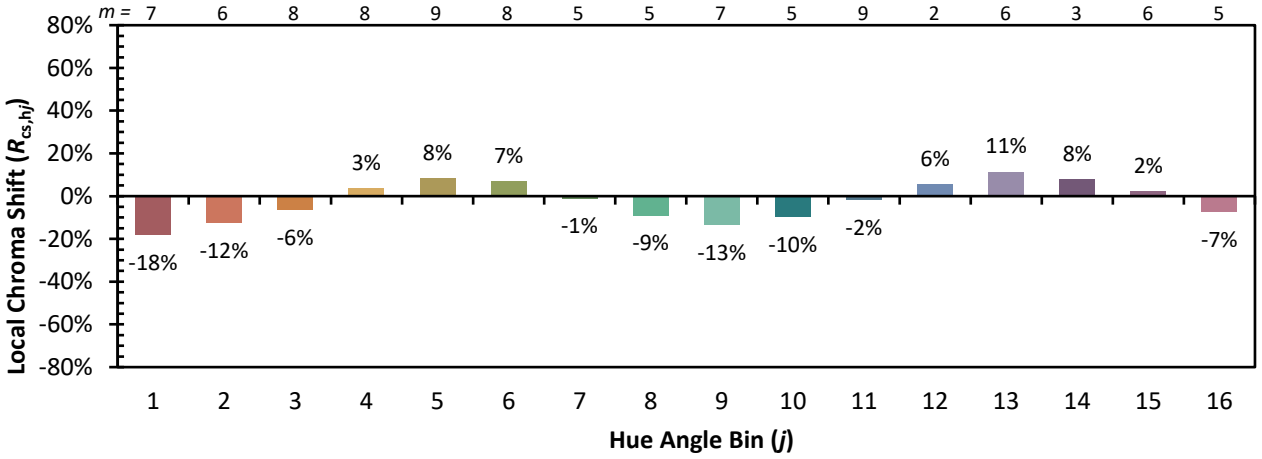
CES01 = 85	CES26 = 67	CES51 = 93	CES76 = 59
CES02 = 59	CES27 = 90	CES52 = 93	CES77 = 73
CES03 = 30	CES28 = 85	CES53 = 83	CES78 = 59
CES04 = 69	CES29 = 69	CES54 = 85	CES79 = 84
CES05 = 46	CES30 = 80	CES55 = 85	CES80 = 81
CES06 = 50	CES31 = 72	CES56 = 77	CES81 = 80
CES07 = 38	CES32 = 66	CES57 = 77	CES82 = 92
CES08 = 37	CES33 = 78	CES58 = 77	CES83 = 90
CES09 = 29	CES34 = 75	CES59 = 88	CES84 = 87
CES10 = 72	CES35 = 86	CES60 = 92	CES85 = 81
CES11 = 55	CES36 = 94	CES61 = 86	CES86 = 75
CES12 = 61	CES37 = 83	CES62 = 89	CES87 = 79
CES13 = 41	CES38 = 90	CES63 = 81	CES88 = 80
CES14 = 74	CES39 = 95	CES64 = 74	CES89 = 74
CES15 = 70	CES40 = 90	CES65 = 68	CES90 = 79
CES16 = 45	CES41 = 93	CES66 = 70	CES91 = 79
CES17 = 48	CES42 = 84	CES67 = 68	CES92 = 60
CES18 = 55	CES43 = 81	CES68 = 72	CES93 = 77
CES19 = 70	CES44 = 99	CES69 = 80	CES94 = 54
CES20 = 63	CES45 = 88	CES70 = 64	CES95 = 66
CES21 = 85	CES46 = 86	CES71 = 61	CES96 = 77
CES22 = 77	CES47 = 88	CES72 = 86	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 55	CES98 = 76
CES24 = 90	CES49 = 85	CES74 = 95	CES99 = 61
CES25 = 71	CES50 = 92	CES75 = 60	

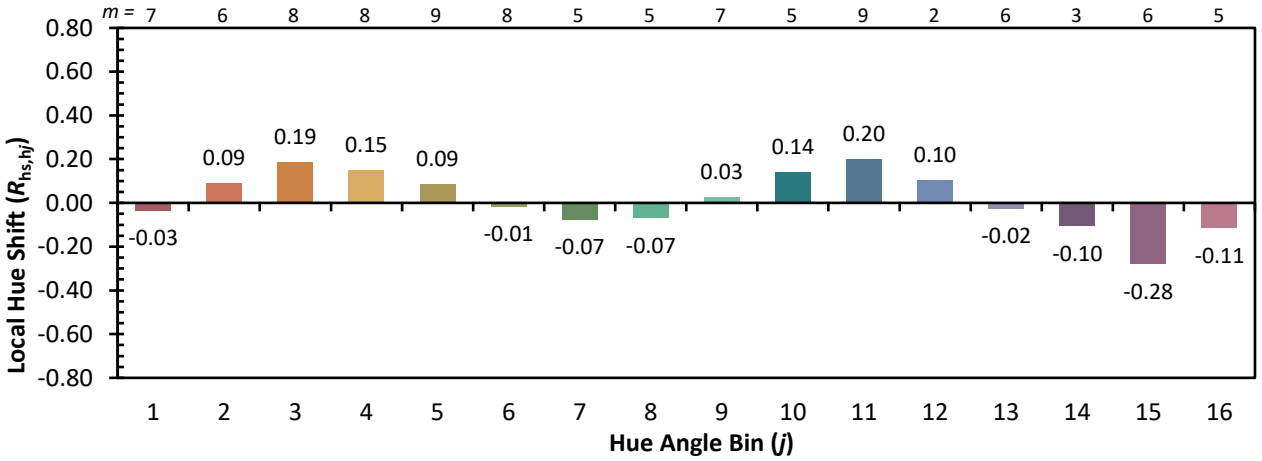


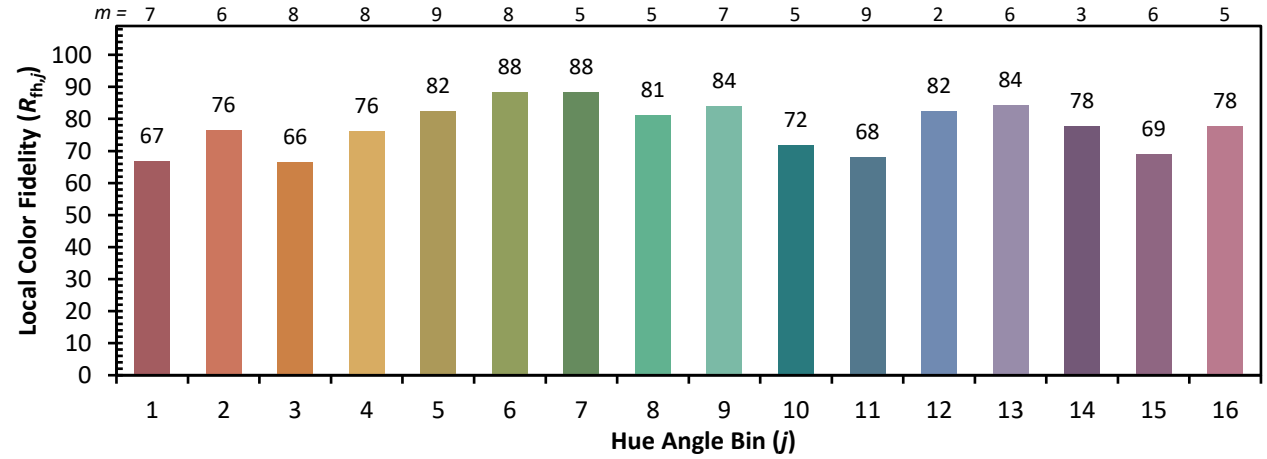
REPORT NUMBER: SP1-2501-319-5

TM-30-18

Color Rendition by Hue-Angle Bin



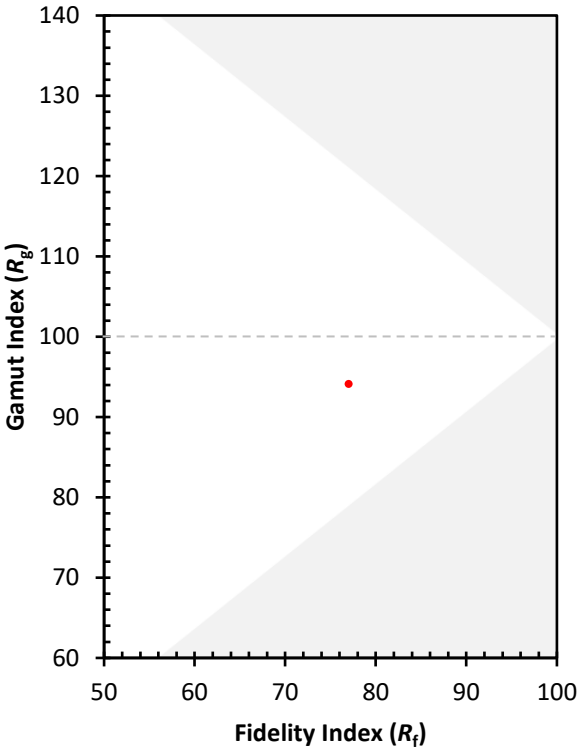


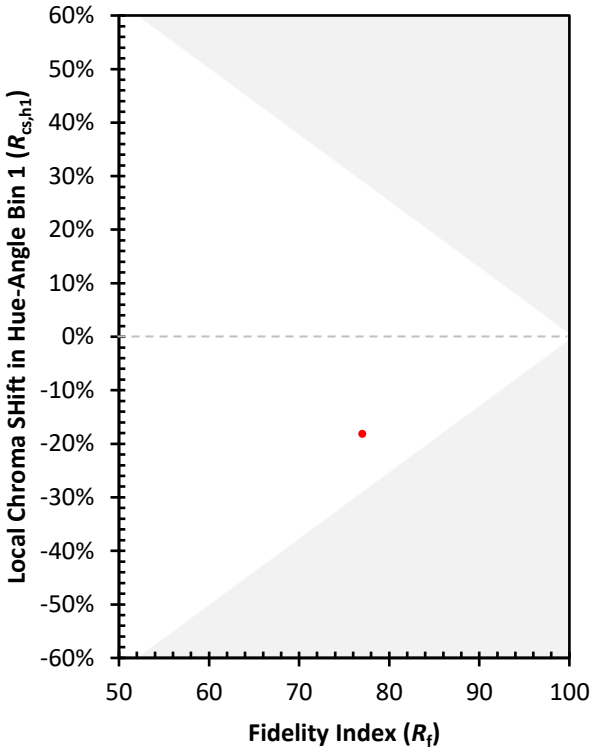


REPORT NUMBER: SP1-2501-319-5

TM-30-18

Measure Comparisons





(END OF REPORT)