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

Scaled data based on original data using

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

Test Report Prepared for

Cooper Lighting Solutions

Brand: METALUX

Report Number: P1594587

Luminaire Tested: FLXB-1224-W-LOW-5700K

Issue Date: 10/2/2026

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594587
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601782A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-1224-W-LOW-5700K
Description:	1224 FlexBay Linear High bay at W beam, LOW lumen, 5700K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12642.0 lumens
Efficiency:	N/A
Efficacy:	166.8 lumens/watt
Spacing Criteria (0/90/45):	1.29 / 1.32 / 1.4
Luminous Opening:	Rectangular (W 1.04' x L: 1.19' x H: 0')
CIE Type:	Direct

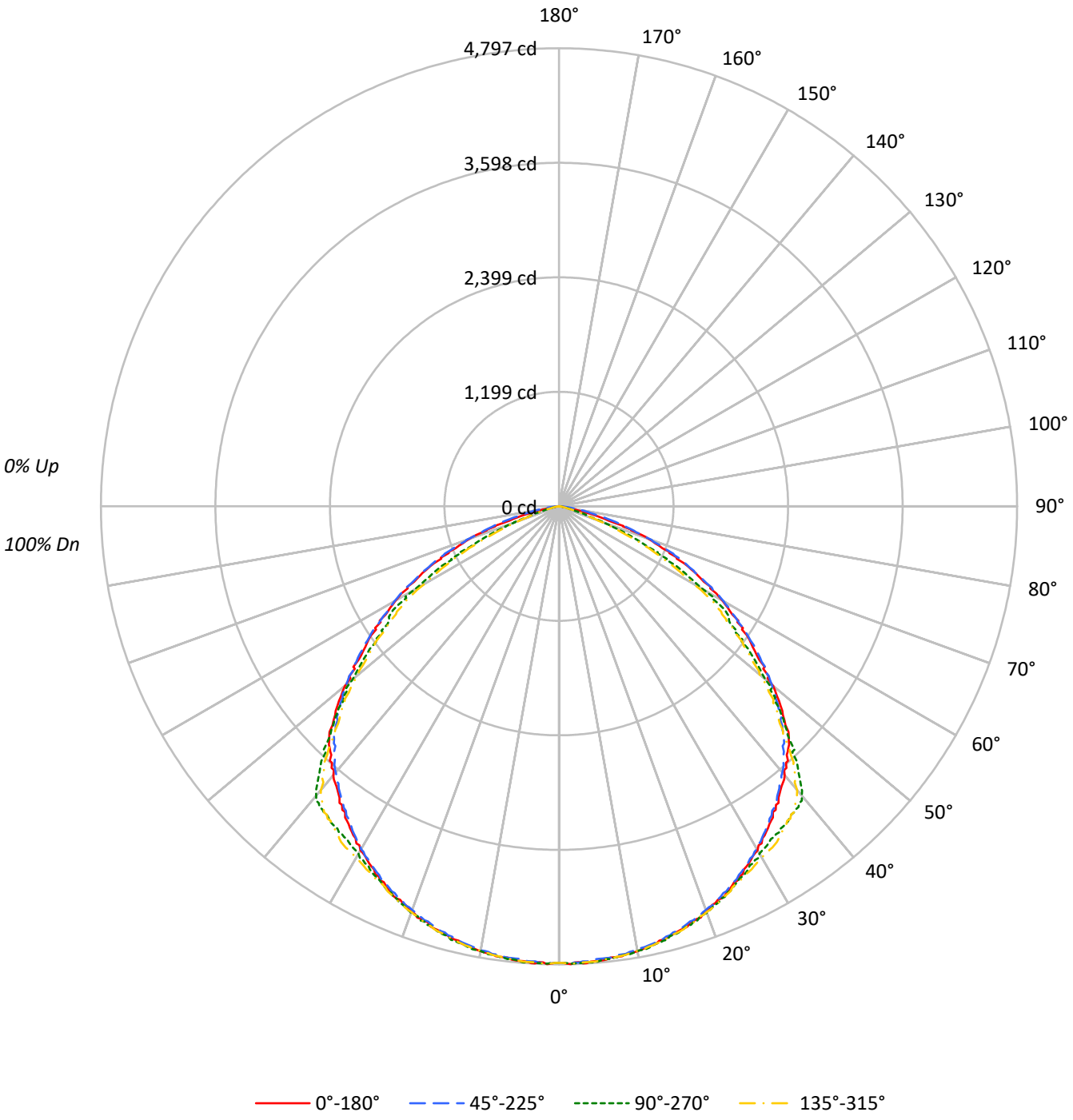
Input Watts (W):	75.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	59	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	41604	41604	41604	41604
5°	41729	41771	41729	41771
10°	41791	41779	41791	41779
15°	41780	41848	41780	41848
20°	41795	41942	41795	41942
25°	41681	41952	41681	41952
30°	41789	42187	41789	42187
35°	41495	43481	41495	43481
40°	41769	44950	41769	44950
45°	41856	41703	41856	41703
50°	39642	38146	39642	38146
55°	36896	34414	36896	34414
60°	34388	30236	34388	30236
65°	30687	23523	30687	23523
70°	25439	12576	25439	12576
75°	15274	5430	15274	5430
80°	5056	2225	5056	2225
85°	2097	1478	2097	1478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 41856 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.1	3.6
10°-20°	1309.7	10.4
20°-30°	2011.8	15.9
30°-40°	2508.7	19.8
40°-50°	2571.3	20.3
50°-60°	2090.4	16.5
60°-70°	1260.7	10.0
70°-80°	390.0	3.1
80°-90°	45.4	0.4
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°-30°	3775.5	29.9
0°-40°	6284.2	49.7
0°-60°	10945.9	86.6
0°-90°	12642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12642.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4781	4781	4781	4781	4781	
5°	4777	4782	4777	4782	4777	454
15°	4638	4645	4638	4645	4638	1310
25°	4341	4370	4341	4370	4341	2006
35°	3906	4093	3906	4093	3906	2456
45°	3401	3389	3401	3389	3401	2588
55°	2432	2268	2432	2268	2432	2170
65°	1490	1142	1490	1142	1490	1461
75°	454	162	454	162	454	518
85°	21	15	21	15	21	32
90°	1	1	1	1	1	

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3
0.5°	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3	4781.3
1°	4791.5	4782.9	4789.4	4786.3	4787.0	4790.1	4791.5	4782.9	4789.4	4786.3	4787.0
1.5°	4796.7	4774.6	4784.9	4791.1	4797.0	4784.3	4796.7	4774.6	4784.9	4791.1	4797.0
2°	4778.1	4781.2	4784.9	4791.1	4797.0	4784.3	4778.1	4781.2	4784.9	4791.1	4797.0
2.5°	4778.1	4781.2	4786.0	4788.7	4792.9	4777.7	4778.1	4781.2	4786.0	4788.7	4792.9
3°	4792.5	4760.8	4786.0	4788.7	4788.7	4777.7	4792.5	4760.8	4786.0	4788.7	4788.7
3.5°	4792.5	4769.4	4781.5	4782.5	4779.4	4787.3	4792.5	4769.4	4781.5	4782.5	4779.4
4°	4778.7	4765.3	4781.5	4786.7	4778.7	4787.3	4778.7	4765.3	4781.5	4786.7	4778.7
4.5°	4778.7	4762.6	4753.9	4789.8	4788.0	4776.0	4778.7	4762.6	4753.9	4789.8	4788.0
5°	4777.4	4760.5	4753.6	4782.2	4775.6	4778.7	4777.4	4760.5	4753.6	4782.2	4775.6
5.5°	4776.0	4763.2	4753.6	4770.5	4767.4	4777.4	4776.0	4763.2	4753.6	4770.5	4767.4
6°	4772.5	4758.4	4757.0	4768.4	4769.8	4766.7	4772.5	4758.4	4757.0	4768.4	4769.8
6.5°	4757.0	4758.4	4757.0	4773.2	4773.6	4766.7	4757.0	4758.4	4757.0	4773.2	4773.6
7°	4757.0	4756.0	4747.4	4761.5	4763.2	4760.1	4757.0	4756.0	4747.4	4761.5	4763.2
7.5°	4758.1	4731.2	4747.4	4761.5	4753.3	4760.1	4758.1	4731.2	4747.4	4761.5	4753.3
8°	4758.1	4731.2	4750.2	4749.1	4753.3	4753.3	4758.1	4731.2	4750.2	4749.1	4753.3
8.5°	4740.2	4728.4	4750.2	4749.1	4742.2	4753.3	4740.2	4728.4	4750.2	4749.1	4742.2
9°	4740.2	4718.1	4733.6	4749.8	4742.9	4731.9	4740.2	4718.1	4733.6	4749.8	4742.9
9.5°	4737.4	4710.9	4731.2	4739.8	4728.4	4731.9	4737.4	4710.9	4731.2	4739.8	4728.4
10°	4729.8	4714.0	4728.1	4728.4	4719.5	4733.3	4729.8	4714.0	4728.1	4728.4	4719.5
10.5°	4723.6	4699.2	4712.6	4726.4	4721.2	4722.3	4723.6	4699.2	4712.6	4726.4	4721.2
11°	4714.0	4692.3	4710.5	4726.0	4722.9	4713.6	4714.0	4692.3	4710.5	4726.0	4722.9
11.5°	4703.0	4689.2	4698.5	4719.2	4711.2	4703.3	4703.0	4689.2	4698.5	4719.2	4711.2
12°	4695.4	4686.1	4684.7	4705.4	4701.6	4703.3	4695.4	4686.1	4684.7	4705.4	4701.6
12.5°	4695.4	4669.2	4686.1	4690.9	4695.0	4689.5	4695.4	4669.2	4686.1	4690.9	4695.0
13°	4667.1	4662.7	4672.7	4690.9	4679.2	4689.5	4667.1	4662.7	4672.7	4690.9	4679.2
13.5°	4667.1	4662.7	4661.3	4678.5	4679.5	4660.6	4667.1	4662.7	4661.3	4678.5	4679.5
14°	4660.3	4635.8	4653.0	4678.5	4666.5	4660.6	4660.3	4635.8	4653.0	4678.5	4666.5
14.5°	4645.8	4633.4	4649.6	4649.6	4649.6	4656.1	4645.8	4633.4	4649.6	4649.6	4649.6
15°	4637.9	4615.5	4626.1	4645.4	4646.1	4635.5	4637.9	4615.5	4626.1	4645.4	4646.1
15.5°	4626.5	4610.7	4626.1	4641.0	4643.7	4624.4	4626.5	4610.7	4626.1	4641.0	4643.7
16°	4614.8	4604.8	4607.2	4628.2	4629.3	4624.8	4614.8	4604.8	4607.2	4628.2	4629.3
16.5°	4608.9	4593.4	4588.6	4610.0	4615.1	4616.2	4608.9	4593.4	4588.6	4610.0	4615.1
17°	4602.7	4567.6	4585.2	4593.8	4605.1	4590.0	4602.7	4567.6	4585.2	4593.8	4605.1
17.5°	4566.6	4559.0	4557.6	4593.8	4596.5	4590.0	4566.6	4559.0	4557.6	4593.8	4596.5
18°	4566.6	4559.0	4557.6	4572.1	4585.9	4566.9	4566.6	4559.0	4557.6	4572.1	4585.9
18.5°	4555.5	4530.1	4547.3	4572.1	4557.3	4566.9	4555.5	4530.1	4547.3	4572.1	4557.3
19°	4555.5	4525.6	4540.4	4540.4	4538.3	4544.5	4555.5	4525.6	4540.4	4540.4	4538.3
19.5°	4525.9	4503.9	4518.3	4536.6	4530.1	4544.5	4525.9	4503.9	4518.3	4536.6	4530.1
20°	4513.5	4489.4	4508.4	4529.4	4526.6	4516.3	4513.5	4489.4	4508.4	4529.4	4526.6
20.5°	4495.6	4479.8	4485.6	4513.5	4512.5	4513.5	4495.6	4479.8	4485.6	4513.5	4512.5
21°	4474.6	4470.1	4485.6	4494.2	4498.4	4498.7	4474.6	4470.1	4485.6	4494.2	4498.4
21.5°	4465.0	4446.4	4459.1	4478.7	4485.6	4468.4	4465.0	4446.4	4459.1	4478.7	4485.6
22°	4444.6	4436.4	4443.9	4472.2	4476.3	4468.4	4444.6	4436.4	4443.9	4472.2	4476.3

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	4444.6	4424.0	4426.7	4443.6	*4467.0*	4437.7	4444.6	4424.0	4426.7	4443.6	4467.0
23°	4435.0	4388.5	4410.5	4443.6	*4440.8*	4437.7	4435.0	4388.5	4410.5	4443.6	4440.8
23.5°	4407.4	4388.5	4403.3	4411.6	*4440.8*	4410.2	4407.4	4388.5	4403.3	4411.6	4440.8
24°	4390.6	4363.7	4379.5	4411.6	*4415.7*	4410.2	4390.6	4363.7	4379.5	4411.6	4415.7
24.5°	4369.5	4342.0	4364.4	4388.8	*4408.8*	4358.5	4369.5	4342.0	4364.4	4388.8	4408.8
25°	4341.3	4323.4	4352.7	4369.5	*4395.0*	4345.1	4341.3	4323.4	4352.7	4369.5	4395.0
25.5°	4341.3	4312.0	4336.5	4346.8	*4375.7*	4345.1	4341.3	4312.0	4336.5	4346.8	4375.7
26°	4308.6	4287.2	4301.0	4331.0	*4380.9*	4318.2	4308.6	4287.2	4301.0	4331.0	4380.9
26.5°	4308.6	4277.6	4283.8	4321.7	*4368.5*	4318.2	4308.6	4277.6	4283.8	4321.7	4368.5
27°	4265.5	4262.4	4260.0	4309.3	*4357.5*	4285.9	4265.5	4262.4	4260.0	4309.3	4357.5
27.5°	4252.8	4244.2	4243.5	4289.6	*4345.4*	4277.9	4252.8	4244.2	4243.5	4289.6	4345.4
28°	4235.6	4215.9	4233.1	4256.6	*4340.3*	4263.5	4235.6	4215.9	4233.1	4256.6	4340.3
28.5°	4211.8	4187.0	4207.0	4256.6	*4323.0*	4247.3	4211.8	4187.0	4207.0	4256.6	4323.0
29°	4187.0	4187.0	4189.4	4234.9	*4314.8*	4232.5	4187.0	4187.0	4189.4	4234.9	4314.8
29.5°	4171.2	4138.4	4177.3	4234.9	*4304.8*	4214.9	4171.2	4138.4	4177.3	4234.9	4304.8
30°	4159.1	4128.4	4161.2	4198.7	*4289.3*	4204.6	4159.1	4128.4	4161.2	4198.7	4289.3
30.5°	4119.5	4100.9	4117.1	4186.3	*4300.7*	4171.5	4119.5	4100.9	4117.1	4186.3	4300.7
31°	4119.5	4079.5	4117.1	4179.1	*4300.7*	4171.5	4119.5	4079.5	4117.1	4179.1	4300.7
31.5°	4077.1	4062.3	4075.7	4167.4	*4290.0*	4151.5	4077.1	4062.3	4075.7	4167.4	4290.0
32°	4062.7	4041.0	4053.4	4151.5	*4283.1*	4147.0	4062.7	4041.0	4053.4	4151.5	4283.1
32.5°	4040.6	4011.7	4040.6	4131.2	*4271.4*	4131.9	4040.6	4011.7	4040.6	4131.2	4271.4
33°	4018.2	3976.2	4012.4	4131.2	*4263.5*	4118.1	4018.2	3976.2	4012.4	4131.2	4263.5
33.5°	3992.0	3976.2	3984.8	4118.4	*4226.3*	4115.0	3992.0	3976.2	3984.8	4118.4	4226.3
34°	3969.7	3921.4	3966.9	4118.4	*4166.7*	4108.5	3969.7	3921.4	3966.9	4118.4	4166.7
34.5°	3956.2	3908.3	3951.1	4095.0	*4152.2*	4106.4	3956.2	3908.3	3951.1	4095.0	4152.2
35°	3906.3	3878.7	3904.6	4093.3	*4115.3*	4097.1	3906.3	3878.7	3904.6	4093.3	4115.3
35.5°	3906.3	3856.7	3904.6	4087.8	*4114.7*	4078.2	3906.3	3856.7	3904.6	4087.8	4114.7
36°	3864.9	3834.3	3858.7	4078.8	*4080.9*	4055.1	3864.9	3834.3	3858.7	4078.8	4080.9
36.5°	3864.9	3810.2	3858.7	4058.5	*4087.8*	4055.1	3864.9	3810.2	3858.7	4058.5	4087.8
37°	3821.2	3775.7	3817.4	4042.7	*4048.5*	4031.6	3821.2	3775.7	3817.4	4042.7	4048.5
37.5°	3794.7	3756.4	3790.9	4042.3	*4048.5*	4032.3	3794.7	3756.4	3790.9	4042.3	4048.5
38°	3767.5	3730.3	3766.1	4026.5	*3987.2*	4029.2	3767.5	3730.3	3766.1	4026.5	3987.2
38.5°	3744.4	3674.8	3745.1	4026.5	*3923.8*	4026.8	3744.4	3674.8	3745.1	4026.5	3923.8
39°	3726.5	3674.8	3727.2	3997.2	*3881.8*	4021.3	3726.5	3674.8	3727.2	3997.2	3881.8
39.5°	3706.2	3622.5	3697.5	3997.2	*3837.4*	4001.3	3706.2	3622.5	3697.5	3997.2	3837.4
40°	3677.2	3597.0	3678.3	3957.2	*3786.1*	3973.1	3677.2	3597.0	3678.3	3957.2	3786.1
40.5°	3631.1	3573.6	3654.1	3918.7	*3718.2*	3882.5	3631.1	3573.6	3654.1	3918.7	3718.2
41°	3631.1	3547.4	3624.2	3858.7	*3674.5*	3882.5	3631.1	3547.4	3624.2	3858.7	3674.5
41.5°	3585.6	3510.5	3571.5	3804.3	*3674.5*	3783.3	3585.6	3510.5	3571.5	3804.3	3674.5
42°	3585.6	3490.2	3533.9	3746.8	*3588.7*	3735.1	3585.6	3490.2	3533.9	3746.8	3588.7
42.5°	3531.2	3462.6	3506.0	3701.0	*3588.7*	3686.2	3531.2	3462.6	3506.0	3701.0	3588.7
43°	3511.9	3393.1	3473.3	3649.3	*3482.3*	3634.9	3511.9	3393.1	3473.3	3649.3	3482.3
43.5°	3487.8	3393.1	3454.4	3546.7	*3431.3*	3572.9	3487.8	3393.1	3454.4	3546.7	3431.3
44°	3468.8	3373.1	3406.5	3546.7	*3354.5*	3506.7	3468.8	3373.1	3406.5	3546.7	3354.5
44.5°	3433.4	3341.4	3384.5	3458.9	*3241.2*	3459.5	3433.4	3341.4	3384.5	3458.9	3241.2

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	3401.3	3276.0	3340.7	3388.9	3241.2	3389.3	3401.3	3276.0	3340.7	3388.9	3241.2
45.5°	3369.3	3247.0	3312.5	3343.5	3132.3	3354.1	3369.3	3247.0	3312.5	3343.5	3132.3
46°	3297.0	3206.0	3239.8	3279.7	3132.3	3248.4	3297.0	3206.0	3239.8	3279.7	3132.3
46.5°	3253.9	3177.8	3239.8	3238.4	3074.1	3248.4	3253.9	3177.8	3239.8	3238.4	3074.1
47°	3205.3	3145.8	3163.3	3175.7	3074.1	3140.2	3205.3	3145.8	3163.3	3175.7	3074.1
47.5°	3170.9	3106.5	3119.2	3127.5	3003.9	3081.7	3170.9	3106.5	3119.2	3127.5	3003.9
48°	3121.3	3060.3	3096.2	3023.8	3003.9	3036.6	3121.3	3060.3	3096.2	3023.8	3003.9
48.5°	3076.9	2994.5	3049.7	3023.8	2898.8	2975.6	3076.9	2994.5	3049.7	3023.8	2898.8
49°	3020.0	2994.5	3008.7	2932.6	2838.5	2933.9	3020.0	2994.5	3008.7	2932.6	2838.5
49.5°	2977.0	2916.0	2972.5	2932.6	2781.0	2872.6	2977.0	2916.0	2972.5	2932.6	2781.0
50°	2928.4	2885.4	2932.6	2817.9	2652.9	2834.4	2928.4	2885.4	2932.6	2817.9	2652.9
50.5°	2828.2	2840.2	2887.8	2758.6	2652.9	2780.0	2828.2	2840.2	2887.8	2758.6	2652.9
51°	2828.2	2806.5	2849.2	2704.9	2541.6	2730.0	2828.2	2806.5	2849.2	2704.9	2541.6
51.5°	2733.1	2725.2	2759.6	2647.0	2541.6	2617.4	2733.1	2725.2	2759.6	2647.0	2541.6
52°	2733.1	2725.2	2759.6	2590.2	2457.2	2617.4	2733.1	2725.2	2759.6	2590.2	2457.2
52.5°	2646.0	2679.0	2670.4	2530.9	2457.2	2505.4	2646.0	2679.0	2670.4	2530.9	2457.2
53°	2597.8	2649.1	2624.3	2481.7	2393.2	2447.6	2597.8	2649.1	2624.3	2481.7	2393.2
53.5°	2552.6	2610.5	2573.0	2375.9	2393.2	2395.6	2552.6	2610.5	2573.0	2375.9	2393.2
54°	2507.5	2532.7	2532.7	2375.9	2309.8	2342.2	2507.5	2532.7	2532.7	2375.9	2309.8
54.5°	2471.7	2532.7	2481.7	2268.5	2187.9	2295.3	2471.7	2532.7	2481.7	2268.5	2187.9
55°	2432.1	2451.4	2439.3	2268.5	2187.9	2251.9	2432.1	2451.4	2439.3	2268.5	2187.9
55.5°	2389.7	2418.3	2390.8	2182.7	2067.3	2198.2	2389.7	2418.3	2390.8	2182.7	2067.3
56°	2309.5	2374.2	2353.9	2148.6	2067.3	2146.5	2309.5	2374.2	2353.9	2148.6	2067.3
56.5°	2309.5	2334.3	2302.6	2132.1	1947.1	2146.5	2309.5	2334.3	2302.6	2132.1	1947.1
57°	2227.8	2286.4	2220.3	2124.8	1947.1	2103.1	2227.8	2286.4	2220.3	2124.8	1947.1
57.5°	2227.8	2251.9	2172.0	2083.2	1836.5	2070.1	2227.8	2251.9	2172.0	2083.2	1836.5
58°	2143.4	2205.4	2126.9	2051.5	1836.5	2041.1	2143.4	2205.4	2126.9	2051.5	1836.5
58.5°	2100.4	2123.8	2088.0	1974.3	1723.9	1975.7	2100.4	2123.8	2088.0	1974.3	1723.9
59°	2063.9	2123.8	2049.4	1864.8	1668.5	1915.1	2063.9	2123.8	2049.4	1864.8	1668.5
59.5°	2018.4	2047.0	2009.5	1864.8	1605.8	1846.2	2018.4	2047.0	2009.5	1864.8	1605.8
60°	1976.0	2007.0	1969.5	1737.4	1484.9	1768.0	1976.0	2007.0	1969.5	1737.4	1484.9
60.5°	1926.8	1964.7	1918.5	1668.8	1484.9	1709.5	1926.8	1964.7	1918.5	1668.8	1484.9
61°	1885.5	1926.8	1875.8	1608.2	1359.2	1644.3	1885.5	1926.8	1875.8	1608.2	1359.2
61.5°	1801.4	1879.6	1782.5	1546.9	1359.2	1529.3	1801.4	1879.6	1782.5	1546.9	1359.2
62°	1801.4	1839.7	1782.5	1494.9	1247.2	1529.3	1801.4	1839.7	1782.5	1494.9	1247.2
62.5°	1708.8	1796.3	1685.7	1439.1	1247.2	1415.6	1708.8	1796.3	1685.7	1439.1	1247.2
63°	1667.8	1747.3	1638.8	1376.4	1138.4	1364.3	1667.8	1747.3	1638.8	1376.4	1138.4
63.5°	1622.7	1701.2	1598.5	1253.8	1138.4	1308.5	1622.7	1701.2	1598.5	1253.8	1138.4
64°	1591.0	1613.3	1554.8	1253.8	1033.0	1252.4	1591.0	1613.3	1554.8	1253.8	1033.0
64.5°	1535.5	1613.3	1517.9	1142.5	979.6	1185.2	1535.5	1613.3	1517.9	1142.5	979.6
65°	1490.4	1523.8	1488.0	1142.5	936.5	1130.8	1490.4	1523.8	1488.0	1142.5	936.5
65.5°	1440.1	1482.5	1455.3	1024.4	835.6	1068.5	1440.1	1482.5	1455.3	1024.4	835.6
66°	1349.2	1434.2	1412.2	968.2	835.6	1013.0	1349.2	1434.2	1412.2	968.2	835.6
66.5°	1349.2	1390.8	1379.1	921.0	714.4	950.7	1349.2	1390.8	1379.1	921.0	714.4
67°	1253.1	1347.4	1281.3	868.3	714.4	830.1	1253.1	1347.4	1281.3	868.3	714.4

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	1253.1	1303.0	1281.3	813.2	593.8	830.1	1253.1	1303.0	1281.3	813.2	593.8
68°	1168.7	1260.3	1174.9	754.7	593.8	725.0	1168.7	1260.3	1174.9	754.7	593.8
68.5°	1124.6	1219.0	1116.3	704.4	505.6	674.4	1124.6	1219.0	1116.3	704.4	505.6
69°	1079.5	1176.3	1072.2	599.3	505.6	620.7	1079.5	1176.3	1072.2	599.3	505.6
69.5°	1040.2	1087.7	1017.8	599.3	422.6	575.9	1040.2	1087.7	1017.8	599.3	422.6
70°	999.9	1087.7	968.2	494.3	344.8	526.7	999.9	1087.7	968.2	494.3	344.8
70.5°	969.9	999.6	921.0	494.3	344.8	498.1	969.9	999.6	921.0	494.3	344.8
71°	916.5	956.2	869.7	387.1	283.8	449.5	916.5	956.2	869.7	387.1	283.8
71.5°	796.0	917.2	783.9	351.0	283.8	379.6	796.0	917.2	783.9	351.0	283.8
72°	796.0	873.5	783.9	296.2	242.5	379.6	796.0	873.5	783.9	296.2	242.5
72.5°	702.0	838.0	712.6	296.2	242.5	300.0	702.0	838.0	712.6	296.2	242.5
73°	702.0	795.3	678.9	266.3	211.1	281.1	702.0	795.3	678.9	266.3	211.1
73.5°	591.1	760.9	634.8	206.0	211.1	224.9	591.1	760.9	634.8	206.0	211.1
74°	539.0	683.0	604.5	206.0	168.4	209.4	539.0	683.0	604.5	206.0	168.4
74.5°	493.9	683.0	559.0	184.6	158.4	179.5	493.9	683.0	559.0	184.6	158.4
75°	454.3	608.3	529.1	161.5	123.7	170.1	454.3	608.3	529.1	161.5	123.7
75.5°	417.8	563.5	482.2	141.2	90.9	149.8	417.8	563.5	482.2	141.2	90.9
76°	376.5	539.7	456.4	115.7	90.9	122.3	376.5	539.7	456.4	115.7	90.9
76.5°	341.7	489.8	396.1	115.7	78.5	122.3	341.7	489.8	396.1	115.7	78.5
77°	277.6	470.5	326.9	95.4	77.2	98.8	277.6	470.5	326.9	95.4	77.2
77.5°	277.6	428.8	326.9	95.4	67.8	98.8	277.6	428.8	326.9	95.4	67.8
78°	211.1	416.1	271.4	75.4	67.8	80.3	211.1	416.1	271.4	75.4	67.8
78.5°	176.0	373.0	265.9	75.4	56.5	77.2	176.0	373.0	265.9	75.4	56.5
79°	148.1	361.7	227.0	55.8	56.5	68.5	148.1	361.7	227.0	55.8	56.5
79.5°	122.3	310.7	221.1	48.9	44.1	65.8	122.3	310.7	221.1	48.9	44.1
80°	100.9	310.7	184.6	44.4	41.3	53.4	100.9	310.7	184.6	44.4	41.3
80.5°	86.1	266.6	179.8	41.7	34.1	50.6	86.1	266.6	179.8	41.7	34.1
81°	74.7	227.0	144.3	39.6	30.3	41.3	74.7	227.0	144.3	39.6	30.3
81.5°	57.2	221.8	140.9	33.8	30.3	38.9	57.2	221.8	140.9	33.8	30.3
82°	57.2	187.4	105.7	33.8	25.8	34.1	57.2	187.4	105.7	33.8	25.8
82.5°	46.2	182.2	72.0	26.2	25.8	29.6	46.2	182.2	72.0	26.2	25.8
83°	46.2	148.8	72.0	26.2	21.0	29.6	46.2	148.8	72.0	26.2	21.0
83.5°	34.1	146.0	49.9	22.0	21.0	23.4	34.1	146.0	49.9	22.0	21.0
84°	28.9	116.8	47.5	20.0	17.6	20.3	28.9	116.8	47.5	20.0	17.6
84.5°	24.4	88.2	35.8	18.3	17.6	16.9	24.4	88.2	35.8	18.3	17.6
85°	21.0	88.2	35.5	14.8	14.8	16.2	21.0	88.2	35.5	14.8	14.8
85.5°	18.6	88.2	26.9	11.4	12.1	13.1	18.6	88.2	26.9	11.4	12.1
86°	15.5	66.5	26.2	8.3	12.1	12.4	15.5	66.5	26.2	8.3	12.1
86.5°	12.4	49.9	21.4	6.2	9.3	10.7	12.4	49.9	21.4	6.2	9.3
87°	6.9	49.9	15.5	5.5	9.3	6.2	6.9	49.9	15.5	5.5	9.3
87.5°	6.9	36.5	15.5	5.5	5.2	6.2	6.9	36.5	15.5	5.5	5.2
88°	3.1	36.5	11.0	3.8	5.2	3.1	3.1	36.5	11.0	3.8	5.2
88.5°	3.1	26.9	11.0	3.8	3.4	3.1	3.1	26.9	11.0	3.8	3.4
89°	2.4	26.9	9.0	2.8	3.4	2.8	2.4	26.9	9.0	2.8	3.4
89.5°	1.4	19.6	9.0	1.4	3.1	2.8	1.4	19.6	9.0	1.4	3.1

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.0	14.8	3.1	1.4	*2.4*	0.7	1.0	14.8	3.1	1.4	2.4

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	4781.3	4781.3
0.5°	4781.3	4781.3
1°	4790.1	4791.5
1.5°	*4784.3*	*4796.7*
2°	4784.3	4778.1
2.5°	4777.7	4778.1
3°	4777.7	4792.5
3.5°	4787.3	4792.5
4°	4787.3	4778.7
4.5°	4776.0	4778.7
5°	4778.7	4777.4
5.5°	4777.4	4776.0
6°	4766.7	4772.5
6.5°	4766.7	4757.0
7°	4760.1	4757.0
7.5°	4760.1	4758.1
8°	4753.3	4758.1
8.5°	4753.3	4740.2
9°	4731.9	4740.2
9.5°	4731.9	4737.4
10°	4733.3	4729.8
10.5°	4722.3	4723.6
11°	4713.6	4714.0
11.5°	4703.3	4703.0
12°	4703.3	4695.4
12.5°	4689.5	4695.4
13°	4689.5	4667.1
13.5°	4660.6	4667.1
14°	4660.6	4660.3
14.5°	4656.1	4645.8
15°	4635.5	4637.9
15.5°	4624.4	4626.5
16°	4624.8	4614.8
16.5°	4616.2	4608.9
17°	4590.0	4602.7
17.5°	4590.0	4566.6
18°	4566.9	4566.6
18.5°	4566.9	4555.5
19°	4544.5	4555.5
19.5°	4544.5	4525.9
20°	4516.3	4513.5
20.5°	4513.5	4495.6
21°	4498.7	4474.6
21.5°	4468.4	4465.0
22°	4468.4	4444.6

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	4437.7	4444.6
23°	4437.7	4435.0
23.5°	4410.2	4407.4
24°	4410.2	4390.6
24.5°	4358.5	4369.5
25°	4345.1	4341.3
25.5°	4345.1	4341.3
26°	4318.2	4308.6
26.5°	4318.2	4308.6
27°	4285.9	4265.5
27.5°	4277.9	4252.8
28°	4263.5	4235.6
28.5°	4247.3	4211.8
29°	4232.5	4187.0
29.5°	4214.9	4171.2
30°	4204.6	4159.1
30.5°	4171.5	4119.5
31°	4171.5	4119.5
31.5°	4151.5	4077.1
32°	4147.0	4062.7
32.5°	4131.9	4040.6
33°	4118.1	4018.2
33.5°	4115.0	3992.0
34°	4108.5	3969.7
34.5°	4106.4	3956.2
35°	4097.1	3906.3
35.5°	4078.2	3906.3
36°	4055.1	3864.9
36.5°	4055.1	3864.9
37°	4031.6	3821.2
37.5°	4032.3	3794.7
38°	4029.2	3767.5
38.5°	4026.8	3744.4
39°	4021.3	3726.5
39.5°	4001.3	3706.2
40°	3973.1	3677.2
40.5°	3882.5	3631.1
41°	3882.5	3631.1
41.5°	3783.3	3585.6
42°	3735.1	3585.6
42.5°	3686.2	3531.2
43°	3634.9	3511.9
43.5°	3572.9	3487.8
44°	3506.7	3468.8
44.5°	3459.5	3433.4

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	3389.3	3401.3
45.5°	3354.1	3369.3
46°	3248.4	3297.0
46.5°	3248.4	3253.9
47°	3140.2	3205.3
47.5°	3081.7	3170.9
48°	3036.6	3121.3
48.5°	2975.6	3076.9
49°	2933.9	3020.0
49.5°	2872.6	2977.0
50°	2834.4	2928.4
50.5°	2780.0	2828.2
51°	2730.0	2828.2
51.5°	2617.4	2733.1
52°	2617.4	2733.1
52.5°	2505.4	2646.0
53°	2447.6	2597.8
53.5°	2395.6	2552.6
54°	2342.2	2507.5
54.5°	2295.3	2471.7
55°	2251.9	2432.1
55.5°	2198.2	2389.7
56°	2146.5	2309.5
56.5°	2146.5	2309.5
57°	2103.1	2227.8
57.5°	2070.1	2227.8
58°	2041.1	2143.4
58.5°	1975.7	2100.4
59°	1915.1	2063.9
59.5°	1846.2	2018.4
60°	1768.0	1976.0
60.5°	1709.5	1926.8
61°	1644.3	1885.5
61.5°	1529.3	1801.4
62°	1529.3	1801.4
62.5°	1415.6	1708.8
63°	1364.3	1667.8
63.5°	1308.5	1622.7
64°	1252.4	1591.0
64.5°	1185.2	1535.5
65°	1130.8	1490.4
65.5°	1068.5	1440.1
66°	1013.0	1349.2
66.5°	950.7	1349.2
67°	830.1	1253.1

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	830.1	1253.1
68°	725.0	1168.7
68.5°	674.4	1124.6
69°	620.7	1079.5
69.5°	575.9	1040.2
70°	526.7	999.9
70.5°	498.1	969.9
71°	449.5	916.5
71.5°	379.6	796.0
72°	379.6	796.0
72.5°	300.0	702.0
73°	281.1	702.0
73.5°	224.9	591.1
74°	209.4	539.0
74.5°	179.5	493.9
75°	170.1	454.3
75.5°	149.8	417.8
76°	122.3	376.5
76.5°	122.3	341.7
77°	98.8	277.6
77.5°	98.8	277.6
78°	80.3	211.1
78.5°	77.2	176.0
79°	68.5	148.1
79.5°	65.8	122.3
80°	53.4	100.9
80.5°	50.6	86.1
81°	41.3	74.7
81.5°	38.9	57.2
82°	34.1	57.2
82.5°	29.6	46.2
83°	29.6	46.2
83.5°	23.4	34.1
84°	20.3	28.9
84.5°	16.9	24.4
85°	16.2	21.0
85.5°	13.1	18.6
86°	12.4	15.5
86.5°	10.7	12.4
87°	6.2	6.9
87.5°	6.2	6.9
88°	3.1	3.1
88.5°	3.1	3.1
89°	2.8	2.4
89.5°	2.8	1.4

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	0.7	1.0

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

Scaled Data Report

TEST NUMBER: P1594587
CATALOG NUMBER: FLXB-1224-W-LOW-5700K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	24.8	26.4	25.2	26.7	27.0	24.3	25.9	24.7	26.2	26.5
	3H	26.0	27.4	26.4	27.7	28.1	25.0	26.4	25.4	26.7	27.1
	4H	26.2	27.5	26.6	27.9	28.2	25.0	26.4	25.4	26.7	27.1
	6H	26.2	27.4	26.6	27.8	28.2	25.0	26.2	25.4	26.6	27.0
	8H	26.2	27.4	26.6	27.7	28.1	25.0	26.1	25.4	26.5	26.9
	12H	26.2	27.3	26.6	27.7	28.1	25.0	26.0	25.4	26.4	26.9
4H	2H	25.2	26.5	25.6	26.8	27.2	24.8	26.1	25.2	26.4	26.8
	3H	26.5	27.6	26.9	28.0	28.4	25.6	26.7	26.0	27.1	27.5
	4H	26.8	27.7	27.2	28.1	28.6	25.7	26.7	26.1	27.1	27.5
	6H	26.8	27.7	27.3	28.1	28.6	25.7	26.5	26.2	27.0	27.4
	8H	26.8	27.6	27.3	28.0	28.5	25.7	26.4	26.1	26.9	27.4
	12H	26.8	27.5	27.3	28.0	28.4	25.6	26.3	26.1	26.8	27.3
8H	4H	26.8	27.6	27.3	28.0	28.5	25.8	26.6	26.3	27.0	27.5
	6H	26.9	27.5	27.4	28.0	28.5	25.8	26.4	26.3	26.9	27.4
	8H	26.9	27.5	27.4	28.0	28.5	25.8	26.3	26.3	26.9	27.3
	12H	26.9	27.4	27.4	27.9	28.4	25.8	26.3	26.3	26.7	27.3
12H	4H	26.8	27.5	27.3	27.9	28.4	25.8	26.5	26.3	27.0	27.4
	6H	26.9	27.5	27.4	27.9	28.5	25.8	26.4	26.3	26.8	27.4
	8H	26.9	27.4	27.4	27.9	28.5	25.8	26.3	26.3	26.8	27.3

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

Metalux

Report Number: SP3-2602-684-5

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-5700K

Data in this report applies to families of products including HLBX-2436*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

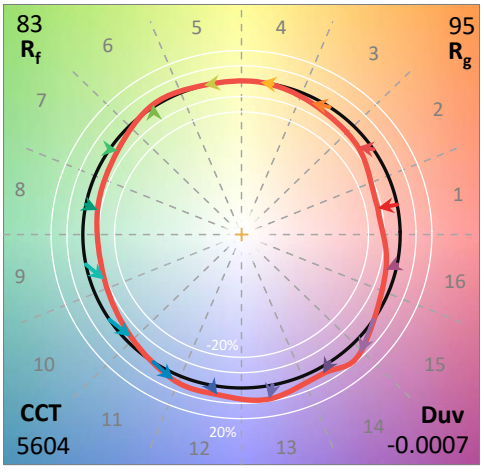
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	02/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**HLBX-2436-W-HI-5700K**
Description:	LDS HLBX 2436 W beam, HI lumen, 5700K CCT settings

Spectral Parameters

CCT (K):	5604
CIE u':	0.2066
CIE v':	0.4754
Duv:	-0.0007
CIE x:	0.3301
CIE y:	0.3376
CIE z:	0.3322
Peak Wavelength (nm):	453
Dominant Wavelength (nm):	510
Purity:	1.011411
Rf:	82.8
Rg:	95.3

CRI (Ra):	84.2				
R1:	83.7	R9:	14.9
R2:	89.9	R10:	73.8
R3:	91.8	R11:	82.3
R4:	83.5	R12:	58.7
R5:	83.4	R13:	85.8
R6:	83.6	R14:	95.6
R7:	87.5	R15:	79.8
R8:	70.3		



Test Conditions

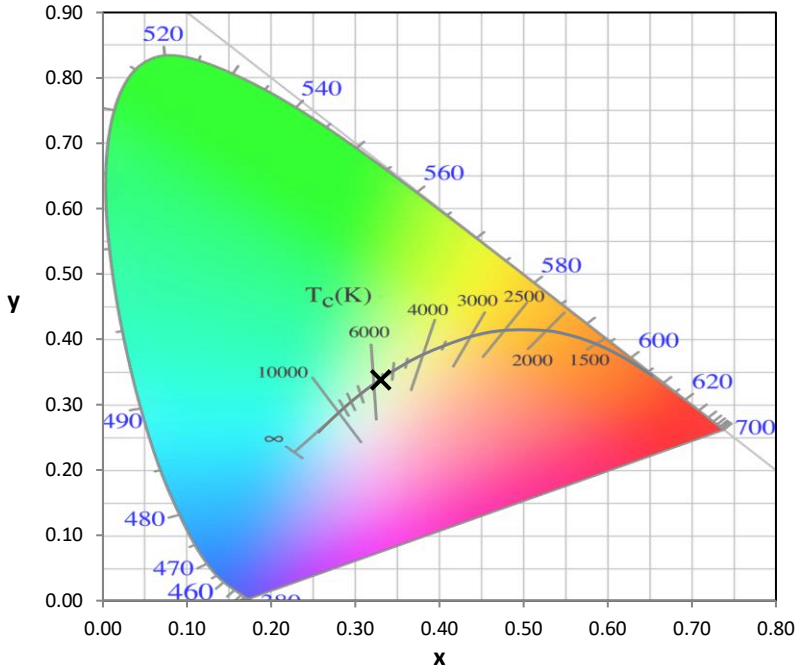
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-5

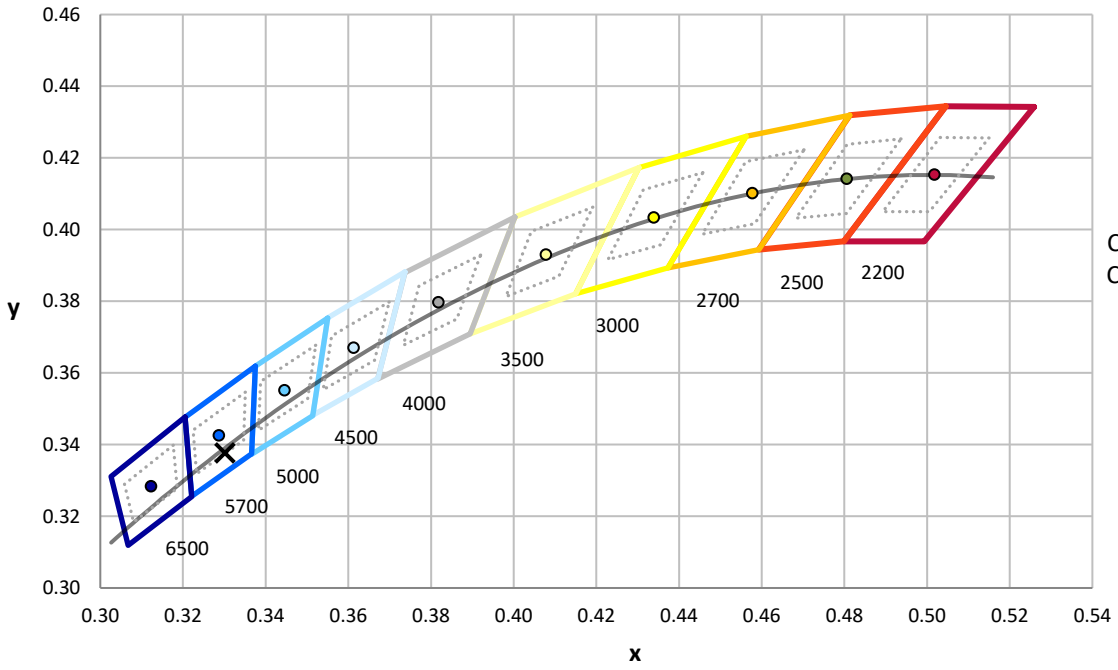
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

REPORT NUMBER: SP3-2602-684-5

CIE 1931 Chromaticity Diagram



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

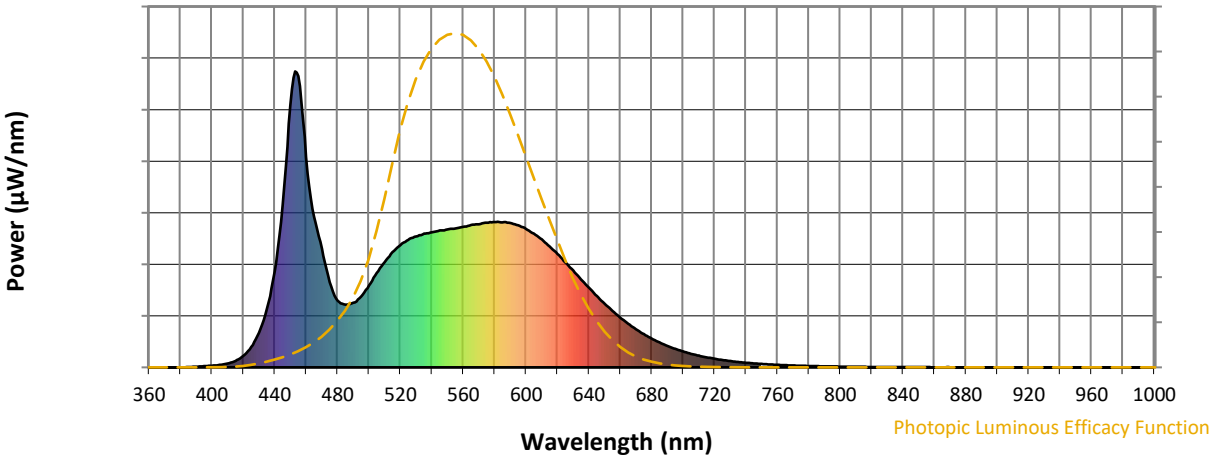


CCT = 5604K
CIE x = 0.3301
CIE y = 0.3376
Duv = -0.0007

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-5

Photopic Flux vs. Wavelength

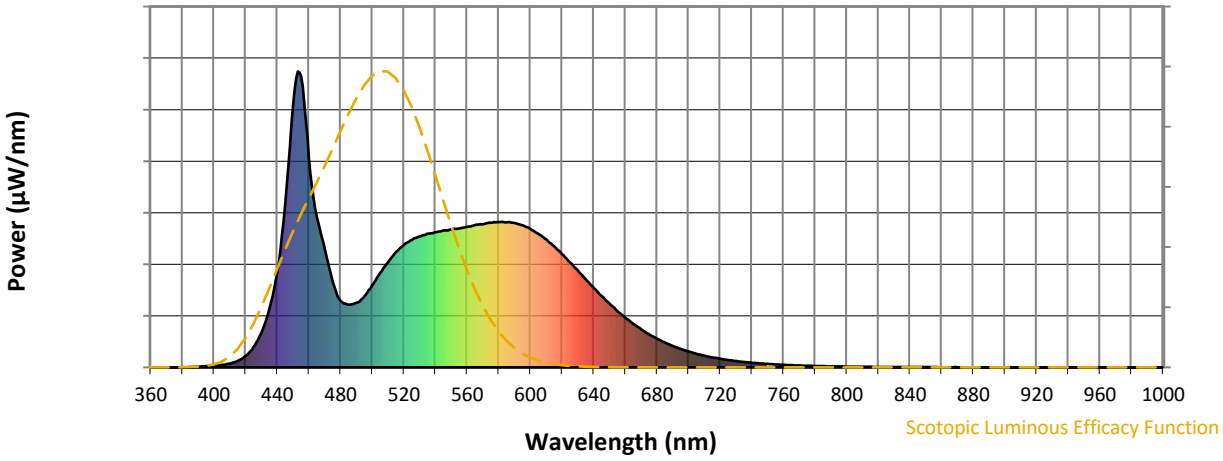


Photopic Lumens: NR

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	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Scotopic Flux vs. Wavelength

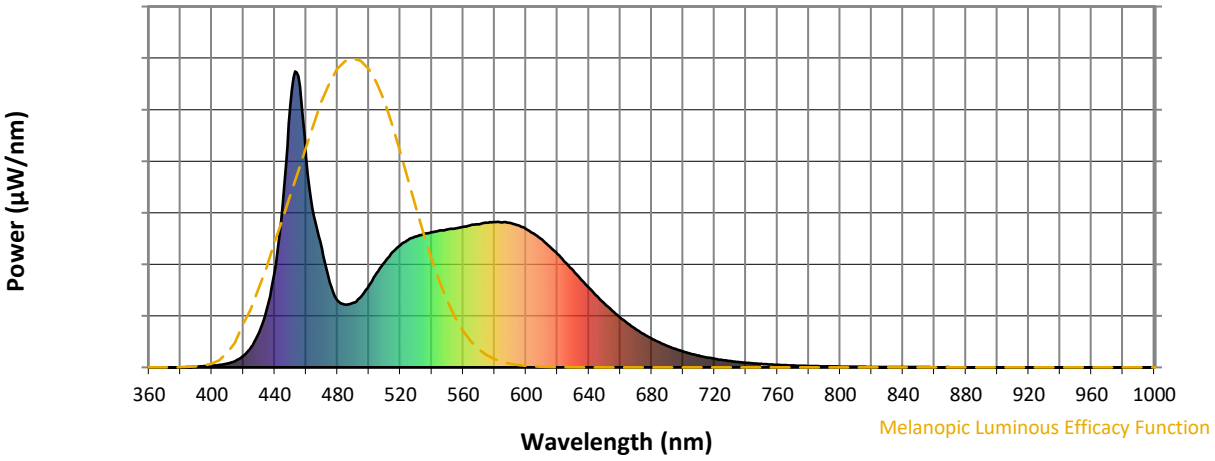


Scotopic Lumens: NR **S/P: 2.09**

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	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.57**

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	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

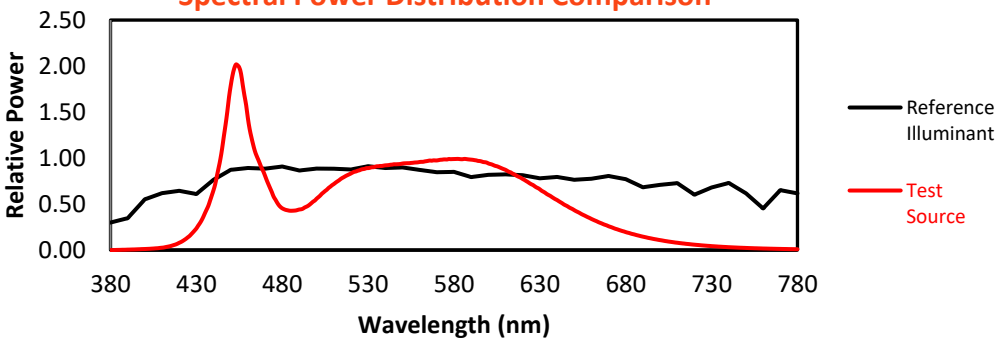
REPORT NUMBER: SP3-2602-684-5

TM-30-18

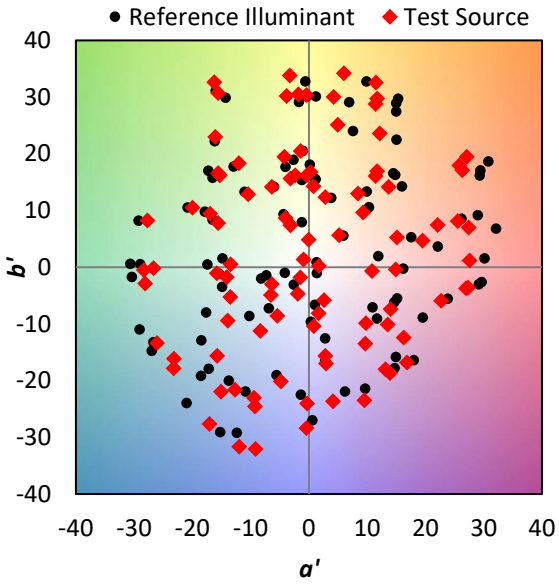
Summary

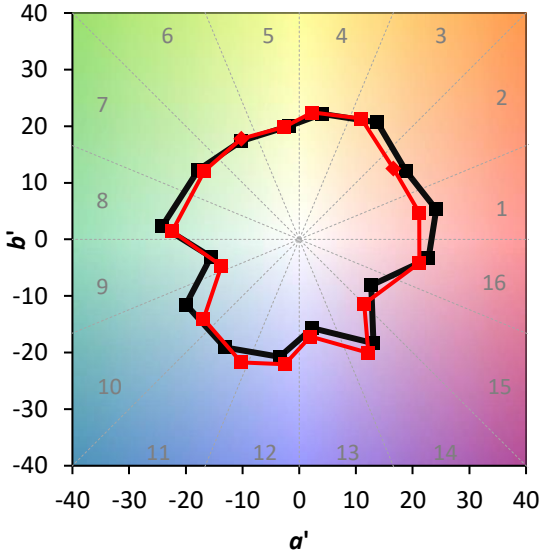
R_f = 82.8
R_g = 95.3
CIE R_a = 84.2
R_9 = 14.9

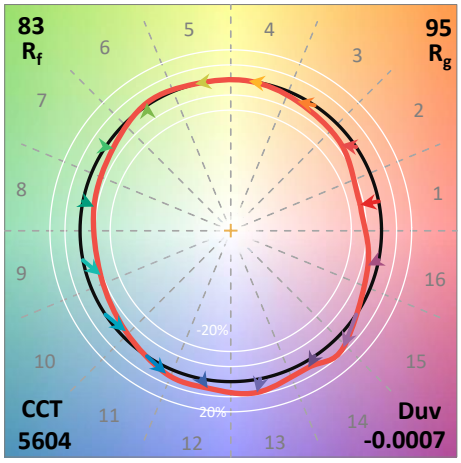
Spectral Power Distribution Comparison

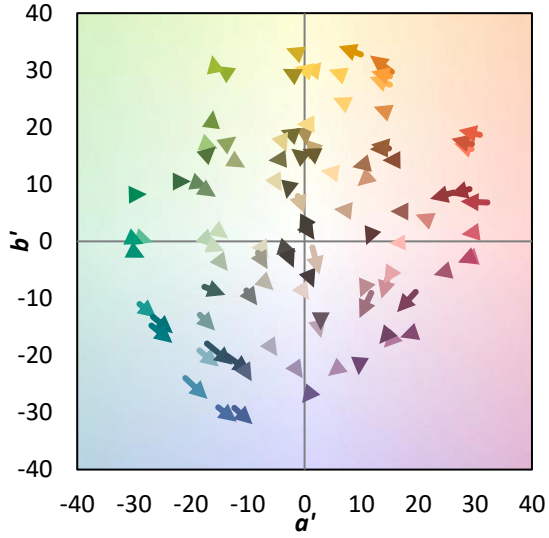


Color Vector Graphics







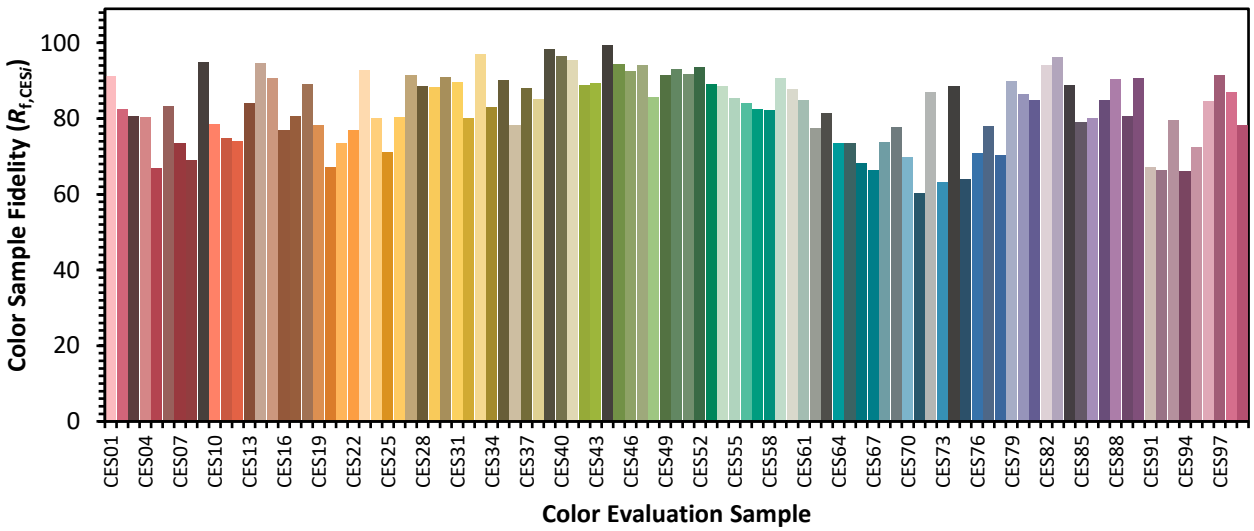


REPORT NUMBER: SP3-2602-684-5

TM-30-18

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

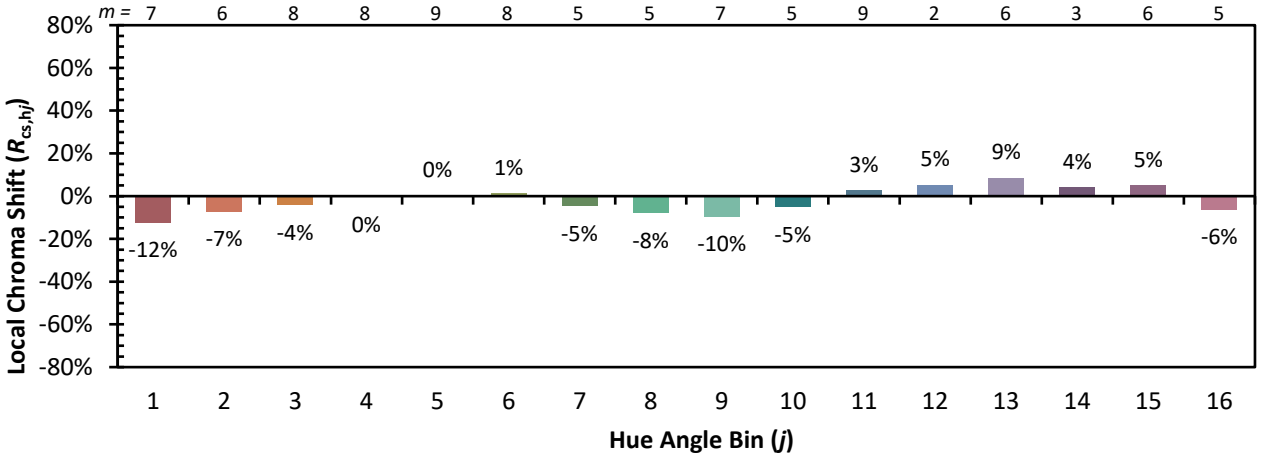
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 78
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 88	CES54 = 88	CES79 = 90
CES05 = 46	CES30 = 91	CES55 = 85	CES80 = 87
CES06 = 50	CES31 = 90	CES56 = 84	CES81 = 85
CES07 = 39	CES32 = 80	CES57 = 82	CES82 = 94
CES08 = 38	CES33 = 97	CES58 = 82	CES83 = 96
CES09 = 29	CES34 = 83	CES59 = 91	CES84 = 89
CES10 = 73	CES35 = 90	CES60 = 88	CES85 = 79
CES11 = 56	CES36 = 78	CES61 = 85	CES86 = 80
CES12 = 61	CES37 = 88	CES62 = 78	CES87 = 85
CES13 = 42	CES38 = 85	CES63 = 82	CES88 = 90
CES14 = 74	CES39 = 98	CES64 = 74	CES89 = 81
CES15 = 70	CES40 = 96	CES65 = 73	CES90 = 91
CES16 = 46	CES41 = 95	CES66 = 68	CES91 = 67
CES17 = 48	CES42 = 89	CES67 = 66	CES92 = 66
CES18 = 55	CES43 = 89	CES68 = 74	CES93 = 79
CES19 = 70	CES44 = 99	CES69 = 78	CES94 = 66
CES20 = 64	CES45 = 94	CES70 = 70	CES95 = 72
CES21 = 85	CES46 = 92	CES71 = 60	CES96 = 85
CES22 = 77	CES47 = 94	CES72 = 87	CES97 = 92
CES23 = 91	CES48 = 86	CES73 = 63	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 89	CES99 = 78
CES25 = 71	CES50 = 93	CES75 = 64	

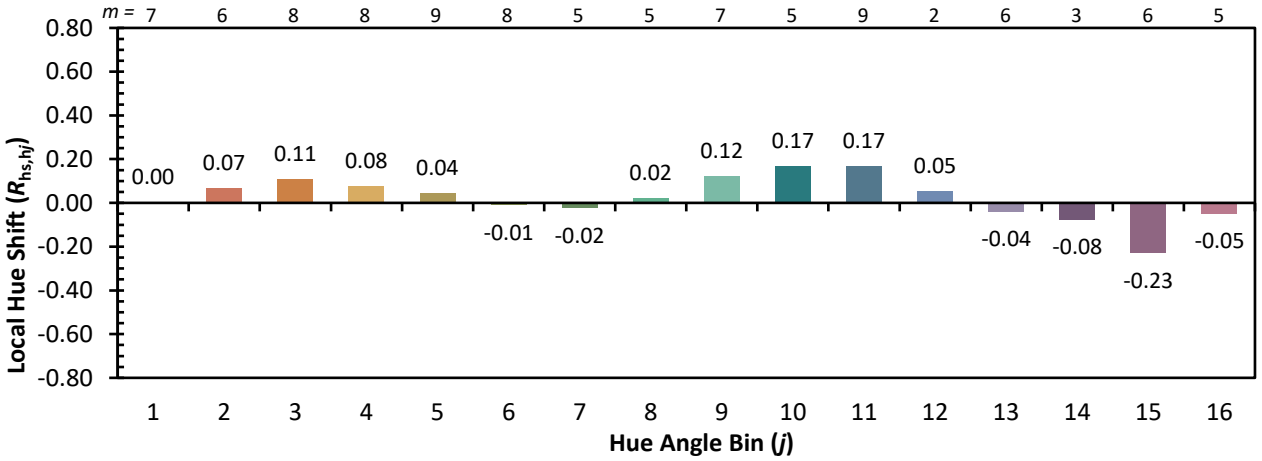


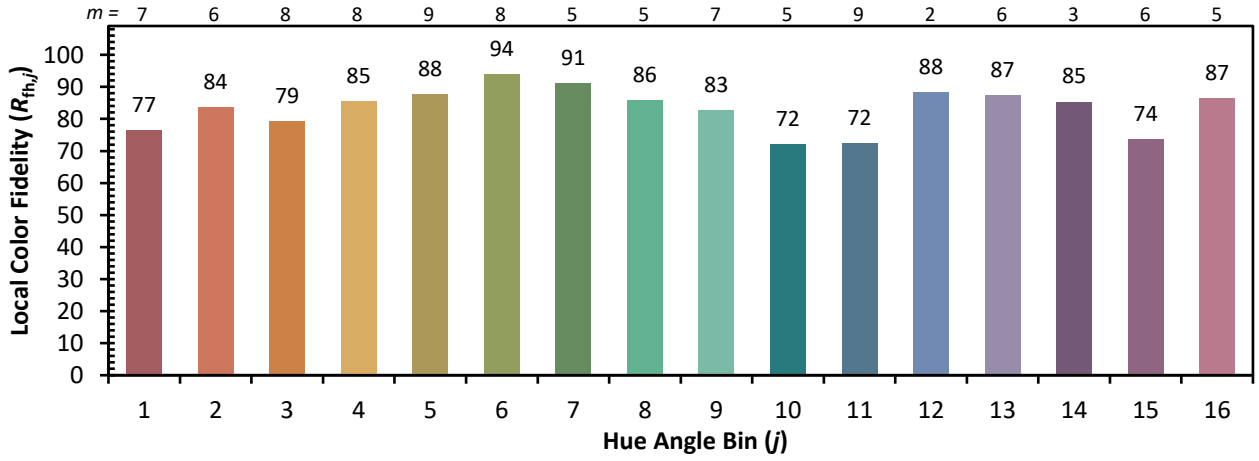
REPORT NUMBER: SP3-2602-684-5

TM-30-18

Color Rendition by Hue-Angle Bin



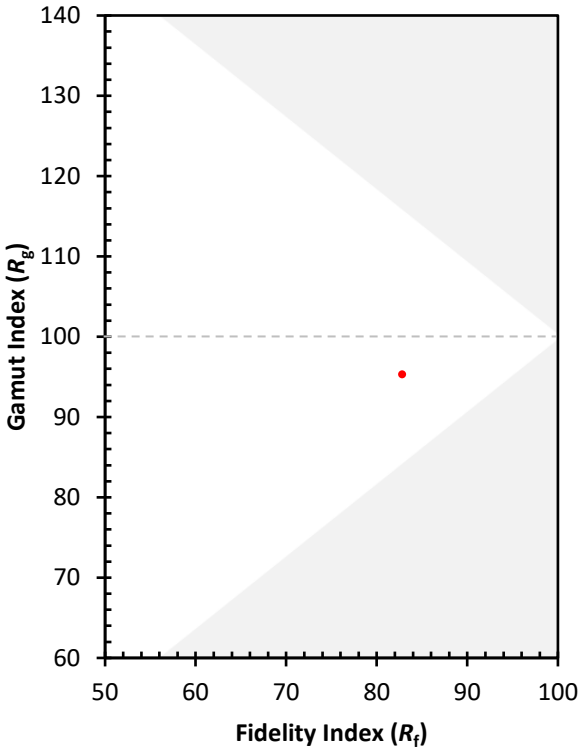


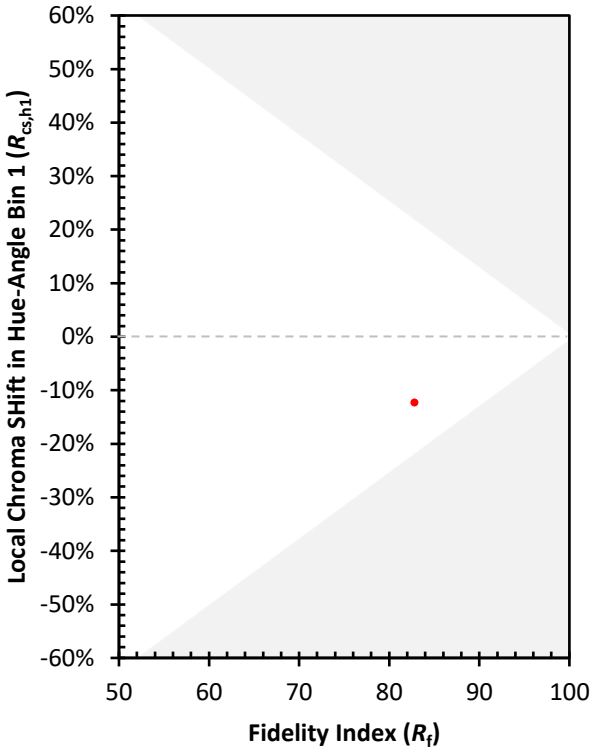


REPORT NUMBER: SP3-2602-684-5

TM-30-18

Measure Comparisons





(END OF REPORT)