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: P1594561

Luminaire Tested: FLXB-1224-M-MED-5000K

Issue Date: 10/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594561
	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-M-MED-5000K
Description:	1224 FlexBay Linear High bay at M beam, MED lumen, 5000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18671.0 lumens
Efficiency:	N/A
Efficacy:	165.4 lumens/watt
Spacing Criteria (0/90/45):	1.35 / 1.17 / 1.26
Luminous Opening:	Rectangular (W 1.04' x L: 1.19' x H: 0')
CIE Type:	Direct

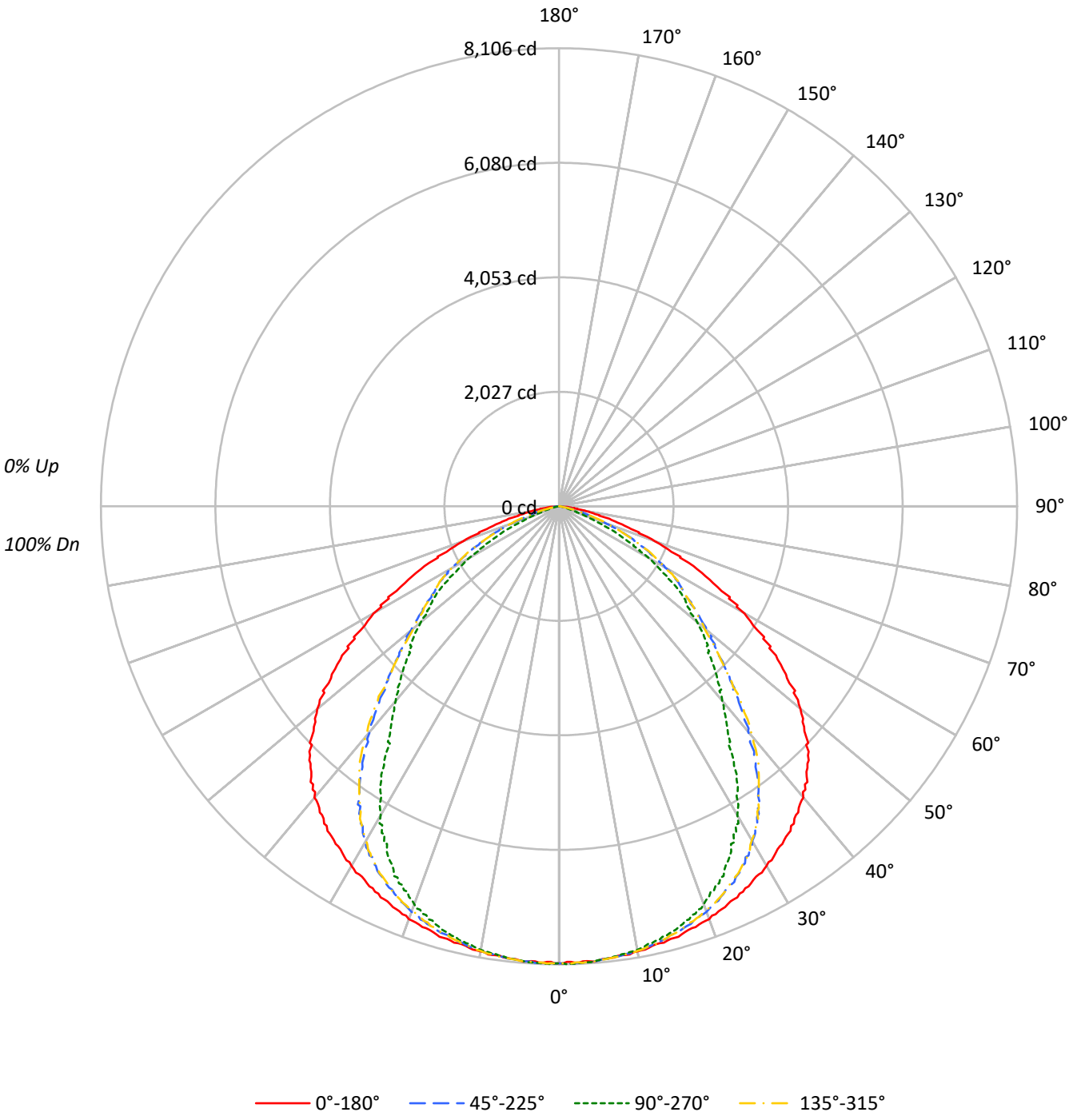
Input Watts (W):	112.9
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Luminous Intensity Polar Plot



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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	111	106	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	70376	70376	70376	70376
5°	70456	70399	70456	70399
10°	70677	70409	70677	70409
15°	71234	70145	71234	70145
20°	71998	69359	71998	69359
25°	72587	67129	72587	67129
30°	73815	63410	73815	63410
35°	75106	56634	75106	56634
40°	76443	51035	76443	51035
45°	76693	46775	76693	46775
50°	75560	43215	75560	43215
55°	71601	39184	71601	39184
60°	65933	32011	65933	32011
65°	57401	23289	57401	23289
70°	45998	12400	45998	12400
75°	34901	6105	34901	6105
80°	23677	2841	23677	2841
85°	16833	2137	16833	2137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45.5°
Luminance: 76890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	767.4	4.1
10°-20°	2213.2	11.9
20°-30°	3357.8	18.0
30°-40°	3848.7	20.6
40°-50°	3488.2	18.7
50°-60°	2726.9	14.6
60°-70°	1656.7	8.9
70°-80°	542.0	2.9
80°-90°	70.2	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°	6338.4	33.9
0°-40°	10187.1	54.6
0°-60°	16402.1	87.8
0°-90°	18671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18671.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8088	8088	8088	8088	8088	
5°	8066	8060	8066	8060	8066	768
15°	7908	7787	7908	7787	7908	2234
25°	7560	6992	7560	6992	7560	3496
35°	7070	5332	7070	5332	7070	4422
45°	6232	3801	6232	3801	6232	4785
55°	4720	2583	4720	2583	4720	4204
65°	2788	1131	2788	1131	2788	2740
75°	1038	182	1038	182	1038	1115
85°	169	21	169	21	169	205
90°	20	2	20	2	20	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	8087.8	8087.8	8087.8	*8087.8*	8087.8	8087.8	8087.8	8087.8	8087.8	8087.8	8087.8
0.5°	8087.8	8087.8	8087.8	*8087.8*	8087.8	8087.8	8087.8	8087.8	8087.8	8087.8	8087.8
1°	*8064.7*	*8088.6*	*8083.6*	*8106.0*	*8083.1*	*8088.1*	*8064.7*	*8088.6*	*8083.6*	*8106.0*	*8083.1*
1.5°	8064.7	8101.5	8096.5	*8097.5*	8094.5	8093.0	8064.7	8101.5	8096.5	8097.5	8094.5
2°	8081.6	8094.0	8096.5	*8097.5*	8061.7	8101.0	8081.6	8094.0	8096.5	8097.5	8061.7
2.5°	8081.6	8086.6	8091.5	*8088.1*	8061.7	8094.5	8081.6	8086.6	8091.5	8088.1	8061.7
3°	8062.2	8086.6	8091.5	*8088.1*	8084.6	8097.5	8062.2	8086.6	8091.5	8088.1	8084.6
3.5°	8062.2	8075.6	8066.7	*8088.1*	8069.2	8086.6	8062.2	8075.6	8066.7	8088.1	8069.2
4°	8071.2	8075.6	8066.7	*8088.1*	8062.7	8086.6	8071.2	8075.6	8066.7	8088.1	8062.7
4.5°	8082.1	8081.6	8075.6	*8075.6*	8061.7	8094.5	8082.1	8081.6	8075.6	8075.6	8061.7
5°	8066.2	8070.2	8066.2	*8059.7*	8067.7	8072.6	8066.2	8070.2	8066.2	8059.7	8067.7
5.5°	8050.8	8058.7	8046.8	*8056.2*	8056.2	8061.2	8050.8	8058.7	8046.8	8056.2	8056.2
6°	8052.3	8066.2	8049.3	*8046.8*	8052.8	8063.7	8052.3	8066.2	8049.3	8046.8	8052.8
6.5°	8047.3	8056.7	8049.3	*8046.8*	8032.9	8068.7	8047.3	8056.7	8049.3	8046.8	8032.9
7°	8047.3	8040.8	8030.4	*8024.9*	8018.4	8058.2	8047.3	8040.8	8030.4	8024.9	8018.4
7.5°	8021.9	8038.8	8030.4	*8024.9*	8024.4	8055.7	8021.9	8038.8	8030.4	8024.9	8024.4
8°	8021.9	8044.8	8003.0	*8004.0*	8024.4	8038.8	8021.9	8044.8	8003.0	8004.0	8024.4
8.5°	8029.4	8017.9	8003.0	*8004.0*	8001.0	8029.4	8029.4	8017.9	8003.0	8004.0	8001.0
9°	8029.4	8020.9	8000.0	*7990.6*	7994.1	8033.3	8029.4	8020.9	8000.0	7990.6	7994.1
9.5°	7999.0	8010.0	8000.0	*7983.1*	7994.1	8010.5	7999.0	8010.0	8000.0	7983.1	7994.1
10°	7999.0	7992.6	7961.2	*7968.7*	7981.6	7992.1	7999.0	7992.6	7961.2	7968.7	7981.6
10.5°	7993.6	7994.1	7961.2	*7955.3*	7965.7	7995.6	7993.6	7994.1	7961.2	7955.3	7965.7
11°	7993.6	7985.6	7956.3	*7934.9*	7938.9	8000.5	7993.6	7985.6	7956.3	7934.9	7938.9
11.5°	7972.2	7965.2	7938.9	*7904.5*	7920.0	7973.7	7972.2	7965.2	7938.9	7904.5	7920.0
12°	7950.8	7956.3	7914.5	*7904.5*	7908.0	7956.3	7950.8	7956.3	7914.5	7904.5	7908.0
12.5°	7937.9	7935.4	7886.1	*7877.2*	7907.5	7954.3	7937.9	7935.4	7886.1	7877.2	7907.5
13°	7934.9	7935.4	7886.1	*7877.2*	7855.8	7942.3	7934.9	7935.4	7886.1	7877.2	7855.8
13.5°	7942.3	7918.0	7860.3	*7833.9*	7855.8	7925.9	7942.3	7918.0	7860.3	7833.9	7855.8
14°	7919.9	7907.0	7860.3	*7833.9*	7837.9	7910.5	7919.9	7907.0	7860.3	7833.9	7837.9
14.5°	7904.5	7884.1	7794.6	*7805.1*	7809.5	7886.1	7904.5	7884.1	7794.6	7805.1	7809.5
15°	7907.5	7879.7	7796.1	*7786.6*	7793.1	7873.7	7907.5	7879.7	7796.1	7786.6	7793.1
15.5°	7907.5	7870.2	7789.1	*7767.8*	7763.8	7877.7	7907.5	7870.2	7789.1	7767.8	7763.8
16°	7878.2	7846.3	7772.7	*7732.4*	7742.9	7844.8	7878.2	7846.3	7772.7	7732.4	7742.9
16.5°	7856.8	7828.9	7736.4	*7711.6*	7721.0	7823.0	7856.8	7828.9	7736.4	7711.6	7721.0
17°	7838.9	7825.9	7698.6	*7664.3*	7715.5	7819.0	7838.9	7825.9	7698.6	7664.3	7715.5
17.5°	7826.9	7801.1	7698.6	*7664.3*	7647.4	7797.6	7826.9	7801.1	7698.6	7664.3	7647.4
18°	7827.9	7773.2	7653.9	*7606.1*	7647.4	7778.7	7827.9	7773.2	7653.9	7606.1	7647.4
18.5°	7803.1	7773.2	7653.9	*7606.1*	7615.1	7751.8	7803.1	7773.2	7653.9	7606.1	7615.1
19°	7788.6	7732.4	7590.7	*7547.9*	7615.1	7724.0	7788.6	7732.4	7590.7	7547.9	7615.1
19.5°	7781.2	7722.5	7590.7	*7547.9*	7546.9	7710.5	7781.2	7722.5	7590.7	7547.9	7546.9
20°	7775.2	7711.6	7557.9	*7490.2*	7507.6	7705.6	7775.2	7711.6	7557.9	7490.2	7507.6
20.5°	7731.4	7680.2	7525.0	*7438.0*	7492.2	7678.2	7731.4	7680.2	7525.0	7438.0	7492.2
21°	7731.4	7657.8	7479.8	*7407.6*	7458.9	7656.3	7731.4	7657.8	7479.8	7407.6	7458.9
21.5°	7703.1	7648.4	7433.5	*7328.0*	7442.5	7635.4	7703.1	7648.4	7433.5	7328.0	7442.5
22°	7687.7	7621.5	7433.5	*7328.0*	7390.7	7621.5	7687.7	7621.5	7433.5	7328.0	7390.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	7678.7	7592.7	7367.4	*7249.0*	7359.4	7590.2	7678.7	7592.7	7367.4	7249.0	7359.4
23°	7647.9	7579.2	7325.6	*7249.0*	7313.1	7574.8	7647.9	7579.2	7325.6	7249.0	7313.1
23.5°	7619.0	7514.1	7281.8	*7162.4*	7313.1	7518.1	7619.0	7514.1	7281.8	7162.4	7313.1
24°	7610.1	7493.2	7281.8	*7162.4*	7229.1	7495.2	7610.1	7493.2	7281.8	7162.4	7229.1
24.5°	7608.1	7493.2	7216.1	*7058.5*	7177.4	7483.2	7608.1	7493.2	7216.1	7058.5	7177.4
25°	7560.3	7457.9	7216.1	*6991.8*	7147.0	7439.0	7560.3	7457.9	7216.1	6991.8	7147.0
25.5°	7560.3	7427.0	7110.2	*6948.5*	7096.8	7414.6	7560.3	7427.0	7110.2	6948.5	7096.8
26°	7518.1	7413.6	7071.4	*6893.8*	7066.9	7395.7	7518.1	7413.6	7071.4	6893.8	7066.9
26.5°	7518.1	7382.3	7033.1	*6830.7*	6997.8	7374.8	7518.1	7382.3	7033.1	6830.7	6997.8
27°	7485.2	7345.0	6927.7	*6705.8*	6943.1	7328.0	7485.2	7345.0	6927.7	6705.8	6943.1
27.5°	7451.9	7321.1	6927.7	*6705.8*	6866.0	7306.7	7451.9	7321.1	6927.7	6705.8	6866.0
28°	7425.5	7252.5	6813.8	*6577.0*	6866.0	7277.8	7425.5	7252.5	6813.8	6577.0	6866.0
28.5°	7413.1	7252.5	6813.8	*6577.0*	6736.7	7243.0	7413.1	7252.5	6813.8	6577.0	6736.7
29°	7410.1	7197.7	6709.8	*6448.2*	6736.7	7187.8	7410.1	7197.7	6709.8	6448.2	6736.7
29.5°	7375.8	7158.4	6709.8	*6448.2*	6625.7	7138.1	7375.8	7158.4	6709.8	6448.2	6625.7
30°	7346.5	7110.2	6568.5	*6310.9*	6550.1	7096.8	7346.5	7110.2	6568.5	6310.9	6550.1
30.5°	7308.2	7085.3	6502.4	*6232.8*	6491.0	7062.5	7308.2	7085.3	6502.4	6232.8	6491.0
31°	7308.2	7039.6	6443.2	*6162.2*	6401.9	7044.5	7308.2	7039.6	6443.2	6162.2	6401.9
31.5°	7272.4	6993.3	6291.5	*6013.4*	6327.3	6994.3	7272.4	6993.3	6291.5	6013.4	6327.3
32°	7235.0	6945.6	6291.5	*5960.7*	6254.7	6957.5	7235.0	6945.6	6291.5	5960.7	6254.7
32.5°	7197.7	6915.2	6128.8	*5887.1*	6199.0	6915.2	7197.7	6915.2	6128.8	5887.1	6199.0
33°	7171.9	6851.1	6128.8	*5765.8*	6020.4	6869.0	7171.9	6851.1	6128.8	5765.8	6020.4
33.5°	7163.9	6757.1	5975.1	*5697.6*	6020.4	6795.3	7163.9	6757.1	5975.1	5697.6	6020.4
34°	7123.6	6757.1	5975.1	*5536.5*	5875.2	6735.7	7123.6	6757.1	5975.1	5536.5	5875.2
34.5°	7093.8	6636.2	5796.1	*5458.4*	5781.2	6680.4	7093.8	6636.2	5796.1	5458.4	5781.2
35°	7070.4	6598.4	5711.0	*5331.5*	5699.1	6635.2	7070.4	6598.4	5711.0	5331.5	5699.1
35.5°	7054.0	6517.3	5639.4	*5155.0*	5594.7	6588.4	7054.0	6517.3	5639.4	5155.0	5594.7
36°	6989.8	6458.6	5525.5	*5155.0*	5507.6	6518.8	6989.8	6458.6	5525.5	5155.0	5507.6
36.5°	6989.8	6367.1	5421.6	*5027.6*	5423.0	6462.1	6989.8	6367.1	5421.6	5027.6	5423.0
37°	6920.7	6328.3	5223.6	*4958.0*	5328.0	6408.4	6920.7	6328.3	5223.6	4958.0	5328.0
37.5°	6887.9	6217.4	5223.6	*4878.9*	5279.3	6343.2	6887.9	6217.4	5223.6	4878.9	5279.3
38°	6872.9	6161.2	5046.0	*4800.3*	5170.9	6266.1	6872.9	6161.2	5046.0	4800.3	5170.9
38.5°	6817.7	6050.7	5046.0	*4727.2*	5044.0	6193.0	6817.7	6050.7	5046.0	4727.2	5044.0
39°	6779.4	5863.7	4864.0	*4635.2*	5044.0	6021.9	6779.4	5863.7	4864.0	4635.2	5044.0
39.5°	6745.1	5810.0	4864.0	*4586.4*	4874.4	5942.3	6745.1	5810.0	4864.0	4586.4	4874.4
40°	6729.7	5677.7	4733.2	*4492.9*	4811.8	5860.8	6729.7	5677.7	4733.2	4492.9	4811.8
40.5°	6646.1	5601.1	4733.2	*4437.2*	4691.9	5756.3	6646.1	5601.1	4733.2	4437.2	4691.9
41°	6646.1	5455.4	4557.6	*4330.3*	4629.2	5646.9	6646.1	5455.4	4557.6	4330.3	4629.2
41.5°	6568.5	5390.2	4460.6	*4330.3*	4524.8	5544.9	6568.5	5390.2	4460.6	4330.3	4524.8
42°	6568.5	5237.5	4394.9	*4210.4*	4357.1	5426.5	6568.5	5237.5	4394.9	4210.4	4357.1
42.5°	6488.0	5151.0	4269.1	*4150.7*	4357.1	5302.2	6488.0	5151.0	4269.1	4150.7	4357.1
43°	6422.3	5017.2	4269.1	*4090.1*	4223.3	5176.8	6422.3	5017.2	4269.1	4090.1	4223.3
43.5°	6383.5	4800.8	4147.2	*4010.0*	4223.3	5049.5	6383.5	4800.8	4147.2	4010.0	4223.3
44°	6329.3	4800.8	4147.2	*3948.3*	4077.1	4791.9	6329.3	4800.8	4147.2	3948.3	4077.1
44.5°	6301.9	4603.4	4039.3	*3861.2*	4077.1	4661.0	6301.9	4603.4	4039.3	3861.2	4077.1

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1121 Highway 74 South
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Scaled Data Report

TEST NUMBER: P1594561
CATALOG NUMBER: FLXB-1224-M-MED-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	6232.3	4483.0	4039.3	*3801.1*	3955.2	4535.7	6232.3	4483.0	4039.3	3801.1	3955.2
45.5°	6193.5	4391.5	3908.0	*3692.6*	3886.1	4387.0	6193.5	4391.5	3908.0	3692.6	3886.1
46°	6081.1	4280.0	3857.3	*3692.6*	3837.4	4287.5	6081.1	4280.0	3857.3	3692.6	3837.4
46.5°	6081.1	4199.5	3789.1	*3601.6*	3756.3	4151.2	6081.1	4199.5	3789.1	3601.6	3756.3
47°	5977.1	4072.6	3658.8	*3601.6*	3698.6	4056.2	5977.1	4072.6	3658.8	3601.6	3698.6
47.5°	5891.1	4008.5	3658.8	*3526.5*	3631.5	3933.9	5891.1	4008.5	3658.8	3526.5	3631.5
48°	5833.4	3889.1	3536.9	*3459.8*	3585.2	3854.8	5833.4	3889.1	3536.9	3459.8	3585.2
48.5°	5756.8	3824.4	3536.9	*3407.6*	3462.8	3744.9	5756.8	3824.4	3536.9	3407.6	3462.8
49°	5725.0	3665.3	3437.0	*3337.0*	3462.8	3584.2	5725.0	3665.3	3437.0	3337.0	3462.8
49.5°	5637.4	3665.3	3437.0	*3258.9*	3345.5	3511.6	5637.4	3665.3	3437.0	3258.9	3345.5
50°	5581.7	3510.1	3308.7	*3192.3*	3283.8	3430.0	5581.7	3510.1	3308.7	3192.3	3283.8
50.5°	5497.2	3427.0	3308.7	*3124.6*	3241.0	3373.3	5497.2	3427.0	3308.7	3124.6	3241.0
51°	5443.9	3375.8	3177.8	*2982.4*	3171.4	3303.7	5443.9	3375.8	3177.8	2982.4	3171.4
51.5°	5303.2	3285.3	3115.2	*2982.4*	3108.2	3246.5	5303.2	3285.3	3115.2	2982.4	3108.2
52°	5303.2	3235.5	3050.5	*2881.9*	2976.9	3185.8	5303.2	3235.5	3050.5	2881.9	2976.9
52.5°	5138.1	3165.4	2922.7	*2868.9*	2916.2	3130.6	5138.1	3165.4	2922.7	2868.9	2916.2
53°	5051.0	3108.7	2922.7	*2807.8*	2916.2	3071.9	5051.0	3108.7	2922.7	2807.8	2916.2
53.5°	4998.3	2995.3	2795.8	*2784.9*	2850.5	3017.2	4998.3	2995.3	2795.8	2784.9	2850.5
54°	4896.8	2995.3	2795.8	*2704.8*	2731.7	2970.9	4896.8	2995.3	2795.8	2704.8	2731.7
54.5°	4822.2	2879.4	2667.5	*2659.6*	2731.7	2864.5	4822.2	2879.4	2667.5	2659.6	2731.7
55°	4719.7	2823.2	2667.5	*2582.9*	2610.8	2818.7	4719.7	2823.2	2667.5	2582.9	2610.8
55.5°	4659.0	2776.9	2560.1	*2509.3*	2588.4	2719.7	4659.0	2776.9	2560.1	2509.3	2588.4
56°	4490.9	2716.3	2560.1	*2430.7*	2530.2	2719.7	4490.9	2716.3	2560.1	2430.7	2530.2
56.5°	4490.9	2673.0	2508.3	*2305.9*	2510.3	2676.0	4490.9	2673.0	2508.3	2305.9	2510.3
57°	4306.9	2624.2	2462.1	*2305.9*	2487.4	2623.2	4306.9	2624.2	2462.1	2305.9	2487.4
57.5°	4306.9	2569.5	2449.1	*2171.1*	2442.7	2577.5	4306.9	2569.5	2449.1	2171.1	2442.7
58°	4135.8	2518.3	2337.7	*2114.9*	2422.3	2524.3	4135.8	2518.3	2337.7	2114.9	2422.3
58.5°	4031.9	2470.5	2337.7	*2045.8*	2301.9	2481.5	4031.9	2470.5	2337.7	2045.8	2301.9
59°	3948.8	2378.5	2200.5	*1975.1*	2301.9	2378.5	3948.8	2378.5	2200.5	1975.1	2301.9
59.5°	3860.2	2378.5	2200.5	*1911.0*	2130.3	2328.3	3860.2	2378.5	2200.5	1911.0	2130.3
60°	3788.6	2283.0	2046.8	*1839.4*	2130.3	2285.0	3788.6	2283.0	2046.8	1839.4	2130.3
60.5°	3611.1	2230.3	2046.8	*1763.3*	1979.1	2230.8	3611.1	2230.3	2046.8	1763.3	1979.1
61°	3611.1	2165.1	1903.0	*1627.0*	1916.4	2182.1	3611.1	2165.1	1903.0	1627.0	1916.4
61.5°	3423.0	2120.9	1840.8	*1627.0*	1846.8	2129.8	3423.0	2120.9	1840.8	1627.0	1846.8
62°	3423.0	2059.2	1775.2	*1491.7*	1780.7	2083.1	3423.0	2059.2	1775.2	1491.7	1780.7
62.5°	3240.0	2009.5	1645.9	*1491.7*	1712.0	2033.3	3240.0	2009.5	1645.9	1491.7	1712.0
63°	3148.5	1952.8	1645.9	*1366.3*	1656.8	1987.1	3148.5	1952.8	1645.9	1366.3	1656.8
63.5°	3045.5	1904.5	1565.8	*1308.1*	1597.1	1937.8	3045.5	1904.5	1565.8	1308.1	1597.1
64°	2965.4	1850.8	1498.1	*1244.5*	1454.4	1881.1	2965.4	1850.8	1498.1	1244.5	1454.4
64.5°	2871.4	1773.7	1368.8	*1192.7*	1454.4	1783.1	2871.4	1773.7	1368.8	1192.7	1454.4
65°	2787.9	1731.9	1368.8	*1131.1*	1313.6	1731.9	2787.9	1731.9	1368.8	1131.1	1313.6
65.5°	2687.9	1685.7	1230.0	*1080.8*	1251.9	1668.3	2687.9	1685.7	1230.0	1080.8	1251.9
66°	2604.8	1652.8	1230.0	*1016.7*	1180.8	1620.0	2604.8	1652.8	1230.0	1016.7	1180.8
66.5°	2502.4	1620.0	1110.2	*876.4*	1109.7	1565.8	2502.4	1620.0	1110.2	876.4	1109.7
67°	2327.3	1560.8	1051.0	*876.4*	1038.1	1509.6	2327.3	1560.8	1051.0	876.4	1038.1

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Scaled Data Report

TEST NUMBER: P1594561
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	2327.3	1495.2	987.8	746.1	973.9	1456.4	2327.3	1495.2	987.8	746.1	973.9
68°	2144.8	1445.4	860.5	673.0	919.2	1406.1	2144.8	1445.4	860.5	673.0	919.2
68.5°	2071.1	1382.3	860.5	644.1	860.5	1362.3	2071.1	1382.3	860.5	644.1	860.5
69°	1976.6	1259.4	739.1	575.5	797.3	1316.6	1976.6	1259.4	739.1	575.5	797.3
69.5°	1908.5	1259.4	739.1	542.1	683.9	1271.3	1908.5	1259.4	739.1	542.1	683.9
70°	1808.0	1141.0	620.7	487.4	683.9	1187.3	1808.0	1141.0	620.7	487.4	683.9
70.5°	1741.9	1084.3	620.7	450.1	588.4	1142.5	1741.9	1084.3	620.7	450.1	588.4
71°	1645.9	1034.1	496.9	403.9	588.4	1093.3	1645.9	1034.1	496.9	403.9	588.4
71.5°	1490.2	978.9	431.7	376.5	504.8	1039.0	1490.2	978.9	431.7	376.5	504.8
72°	1490.2	936.1	391.0	326.8	480.5	972.9	1490.2	936.1	391.0	326.8	480.5
72.5°	1340.0	893.8	346.7	326.8	412.3	926.6	1340.0	893.8	346.7	326.8	412.3
73°	1291.7	850.5	321.3	289.5	386.5	785.9	1291.7	850.5	321.3	289.5	386.5
73.5°	1210.2	806.3	273.6	252.7	320.3	785.9	1210.2	806.3	273.6	252.7	320.3
74°	1162.9	771.0	273.6	239.3	248.7	715.8	1162.9	771.0	273.6	239.3	248.7
74.5°	1074.4	681.4	201.4	194.5	248.7	661.0	1074.4	681.4	201.4	194.5	248.7
75°	1038.1	681.4	201.4	181.6	212.4	558.1	1038.1	681.4	201.4	181.6	212.4
75.5°	952.5	598.4	184.5	143.2	212.4	512.3	952.5	598.4	184.5	143.2	212.4
76°	921.7	534.2	184.5	135.8	177.1	467.5	921.7	534.2	184.5	135.8	177.1
76.5°	842.1	513.3	155.7	115.9	165.6	423.8	842.1	513.3	155.7	115.9	165.6
77°	734.6	442.7	143.7	115.9	147.7	381.5	734.6	442.7	143.7	115.9	147.7
77.5°	734.6	431.2	130.8	100.5	137.3	342.2	734.6	431.2	130.8	100.5	137.3
78°	643.1	372.1	103.0	100.5	119.4	299.4	643.1	372.1	103.0	100.5	119.4
78.5°	628.7	359.6	103.0	84.6	113.4	267.6	628.7	359.6	103.0	84.6	113.4
79°	552.1	308.9	77.6	73.1	102.0	230.8	552.1	308.9	77.6	73.1	102.0
79.5°	541.2	298.9	77.6	69.1	84.6	194.0	541.2	298.9	77.6	69.1	84.6
80°	472.5	246.7	62.2	56.7	84.6	142.3	472.5	246.7	62.2	56.7	84.6
80.5°	465.1	203.9	62.2	53.2	64.2	126.8	465.1	203.9	62.2	53.2	64.2
81°	400.9	197.5	54.7	46.8	60.7	112.4	400.9	197.5	54.7	46.8	60.7
81.5°	331.3	155.7	54.7	44.8	50.7	99.0	331.3	155.7	54.7	44.8	50.7
82°	331.3	150.2	44.8	37.8	48.2	87.5	331.3	150.2	44.8	37.8	48.2
82.5°	271.6	111.4	39.8	37.8	43.3	78.6	271.6	111.4	39.8	37.8	43.3
83°	271.6	107.4	34.8	30.8	40.3	67.1	271.6	107.4	34.8	30.8	40.3
83.5°	215.9	80.6	28.3	25.9	35.3	57.7	215.9	80.6	28.3	25.9	35.3
84°	212.4	77.1	28.3	25.4	30.3	48.2	212.4	77.1	28.3	25.4	30.3
84.5°	168.6	60.2	23.4	21.9	24.4	41.8	168.6	60.2	23.4	21.9	24.4
85°	168.6	60.2	23.4	21.4	18.4	35.3	168.6	60.2	23.4	21.4	18.4
85.5°	130.3	44.8	13.4	18.4	18.4	24.4	130.3	44.8	13.4	18.4	18.4
86°	130.3	35.8	13.4	16.9	15.9	19.9	130.3	35.8	13.4	16.9	15.9
86.5°	97.0	35.8	8.0	14.9	14.4	14.9	97.0	35.8	8.0	14.9	14.4
87°	72.1	26.9	7.5	13.4	10.0	10.4	72.1	26.9	7.5	13.4	10.0
87.5°	72.1	19.9	7.0	8.0	9.0	7.0	72.1	19.9	7.0	8.0	9.0
88°	52.7	19.9	6.0	8.0	5.0	6.0	52.7	19.9	6.0	8.0	5.0
88.5°	52.7	19.9	5.0	5.0	5.0	4.0	52.7	19.9	5.0	5.0	5.0
89°	38.3	14.4	2.5	4.5	4.0	2.5	38.3	14.4	2.5	4.5	4.0
89.5°	38.3	14.4	2.5	4.5	3.0	2.0	38.3	14.4	2.5	4.5	3.0

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TEST NUMBER: P1594561
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	19.9	5.5	2.0	*2.0*	1.5	1.5	19.9	5.5	2.0	2.0	1.5

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TEST NUMBER: P1594561
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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	8087.8	8087.8
0.5°	8087.8	8087.8
1°	*8088.1*	*8064.7*
1.5°	8093.0	8064.7
2°	8101.0	8081.6
2.5°	8094.5	8081.6
3°	8097.5	8062.2
3.5°	8086.6	8062.2
4°	8086.6	8071.2
4.5°	8094.5	8082.1
5°	8072.6	8066.2
5.5°	8061.2	8050.8
6°	8063.7	8052.3
6.5°	8068.7	8047.3
7°	8058.2	8047.3
7.5°	8055.7	8021.9
8°	8038.8	8021.9
8.5°	8029.4	8029.4
9°	8033.3	8029.4
9.5°	8010.5	7999.0
10°	7992.1	7999.0
10.5°	7995.6	7993.6
11°	8000.5	7993.6
11.5°	7973.7	7972.2
12°	7956.3	7950.8
12.5°	7954.3	7937.9
13°	7942.3	7934.9
13.5°	7925.9	7942.3
14°	7910.5	7919.9
14.5°	7886.1	7904.5
15°	7873.7	7907.5
15.5°	7877.7	7907.5
16°	7844.8	7878.2
16.5°	7823.0	7856.8
17°	7819.0	7838.9
17.5°	7797.6	7826.9
18°	7778.7	7827.9
18.5°	7751.8	7803.1
19°	7724.0	7788.6
19.5°	7710.5	7781.2
20°	7705.6	7775.2
20.5°	7678.2	7731.4
21°	7656.3	7731.4
21.5°	7635.4	7703.1
22°	7621.5	7687.7

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TEST NUMBER: P1594561
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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	7590.2	7678.7
23°	7574.8	7647.9
23.5°	7518.1	7619.0
24°	7495.2	7610.1
24.5°	7483.2	7608.1
25°	7439.0	7560.3
25.5°	7414.6	7560.3
26°	7395.7	7518.1
26.5°	7374.8	7518.1
27°	7328.0	7485.2
27.5°	7306.7	7451.9
28°	7277.8	7425.5
28.5°	7243.0	7413.1
29°	7187.8	7410.1
29.5°	7138.1	7375.8
30°	7096.8	7346.5
30.5°	7062.5	7308.2
31°	7044.5	7308.2
31.5°	6994.3	7272.4
32°	6957.5	7235.0
32.5°	6915.2	7197.7
33°	6869.0	7171.9
33.5°	6795.3	7163.9
34°	6735.7	7123.6
34.5°	6680.4	7093.8
35°	6635.2	7070.4
35.5°	6588.4	7054.0
36°	6518.8	6989.8
36.5°	6462.1	6989.8
37°	6408.4	6920.7
37.5°	6343.2	6887.9
38°	6266.1	6872.9
38.5°	6193.0	6817.7
39°	6021.9	6779.4
39.5°	5942.3	6745.1
40°	5860.8	6729.7
40.5°	5756.3	6646.1
41°	5646.9	6646.1
41.5°	5544.9	6568.5
42°	5426.5	6568.5
42.5°	5302.2	6488.0
43°	5176.8	6422.3
43.5°	5049.5	6383.5
44°	4791.9	6329.3
44.5°	4661.0	6301.9

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CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4535.7	6232.3
45.5°	4387.0	6193.5
46°	4287.5	6081.1
46.5°	4151.2	6081.1
47°	4056.2	5977.1
47.5°	3933.9	5891.1
48°	3854.8	5833.4
48.5°	3744.9	5756.8
49°	3584.2	5725.0
49.5°	3511.6	5637.4
50°	3430.0	5581.7
50.5°	3373.3	5497.2
51°	3303.7	5443.9
51.5°	3246.5	5303.2
52°	3185.8	5303.2
52.5°	3130.6	5138.1
53°	3071.9	5051.0
53.5°	3017.2	4998.3
54°	2970.9	4896.8
54.5°	2864.5	4822.2
55°	2818.7	4719.7
55.5°	2719.7	4659.0
56°	2719.7	4490.9
56.5°	2676.0	4490.9
57°	2623.2	4306.9
57.5°	2577.5	4306.9
58°	2524.3	4135.8
58.5°	2481.5	4031.9
59°	2378.5	3948.8
59.5°	2328.3	3860.2
60°	2285.0	3788.6
60.5°	2230.8	3611.1
61°	2182.1	3611.1
61.5°	2129.8	3423.0
62°	2083.1	3423.0
62.5°	2033.3	3240.0
63°	1987.1	3148.5
63.5°	1937.8	3045.5
64°	1881.1	2965.4
64.5°	1783.1	2871.4
65°	1731.9	2787.9
65.5°	1668.3	2687.9
66°	1620.0	2604.8
66.5°	1565.8	2502.4
67°	1509.6	2327.3

TEST NUMBER: P1594561
CATALOG NUMBER: FLXB-1224-M-MED-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	1456.4	2327.3
68°	1406.1	2144.8
68.5°	1362.3	2071.1
69°	1316.6	1976.6
69.5°	1271.3	1908.5
70°	1187.3	1808.0
70.5°	1142.5	1741.9
71°	1093.3	1645.9
71.5°	1039.0	1490.2
72°	972.9	1490.2
72.5°	926.6	1340.0
73°	785.9	1291.7
73.5°	785.9	1210.2
74°	715.8	1162.9
74.5°	661.0	1074.4
75°	558.1	1038.1
75.5°	512.3	952.5
76°	467.5	921.7
76.5°	423.8	842.1
77°	381.5	734.6
77.5°	342.2	734.6
78°	299.4	643.1
78.5°	267.6	628.7
79°	230.8	552.1
79.5°	194.0	541.2
80°	142.3	472.5
80.5°	126.8	465.1
81°	112.4	400.9
81.5°	99.0	331.3
82°	87.5	331.3
82.5°	78.6	271.6
83°	67.1	271.6
83.5°	57.7	215.9
84°	48.2	212.4
84.5°	41.8	168.6
85°	35.3	168.6
85.5°	24.4	130.3
86°	19.9	130.3
86.5°	14.9	97.0
87°	10.4	72.1
87.5°	7.0	72.1
88°	6.0	52.7
88.5°	4.0	52.7
89°	2.5	38.3
89.5°	2.0	38.3

TEST NUMBER: P1594561
CATALOG NUMBER: FLXB-1224-M-MED-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1.5	19.9

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

Scaled Data Report

TEST NUMBER: P1594561
CATALOG NUMBER: FLXB-1224-M-MED-5000K

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	26.2	27.7	26.6	28.1	28.4	24.0	25.5	24.4	25.8	26.1
	3H	27.8	29.1	28.1	29.4	29.8	24.4	25.8	24.8	26.1	26.5
	4H	28.1	29.4	28.5	29.7	30.1	24.4	25.7	24.8	26.0	26.4
	6H	28.3	29.5	28.7	29.9	30.3	24.4	25.5	24.8	25.9	26.3
	8H	28.4	29.5	28.8	29.8	30.2	24.4	25.5	24.8	25.8	26.2
	12H	28.4	29.4	28.8	29.8	30.2	24.3	25.4	24.8	25.8	26.2
4H	2H	26.4	27.7	26.8	28.0	28.4	24.5	25.7	24.9	26.1	26.5
	3H	28.0	29.1	28.5	29.5	29.9	25.0	26.0	25.4	26.4	26.8
	4H	28.5	29.4	28.9	29.8	30.3	25.0	25.9	25.4	26.3	26.8
	6H	28.7	29.5	29.2	30.0	30.4	25.0	25.8	25.4	26.2	26.7
	8H	28.8	29.5	29.2	30.0	30.4	24.9	25.7	25.4	26.1	26.6
	12H	28.8	29.5	29.3	29.9	30.4	24.9	25.6	25.4	26.0	26.5
8H	4H	28.4	29.2	28.9	29.6	30.1	25.1	25.9	25.6	26.3	26.8
	6H	28.7	29.3	29.2	29.8	30.3	25.1	25.7	25.6	26.2	26.6
	8H	28.7	29.3	29.2	29.8	30.3	25.0	25.6	25.5	26.1	26.6
	12H	28.8	29.2	29.3	29.7	30.3	25.0	25.5	25.5	26.0	26.5
12H	4H	28.4	29.1	28.9	29.5	30.0	25.1	25.8	25.6	26.2	26.7
	6H	28.6	29.2	29.2	29.7	30.2	25.0	25.6	25.6	26.1	26.6
	8H	28.7	29.2	29.2	29.7	30.2	25.0	25.5	25.5	26.0	26.6

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: SP3-2602-684-4

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-5000K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

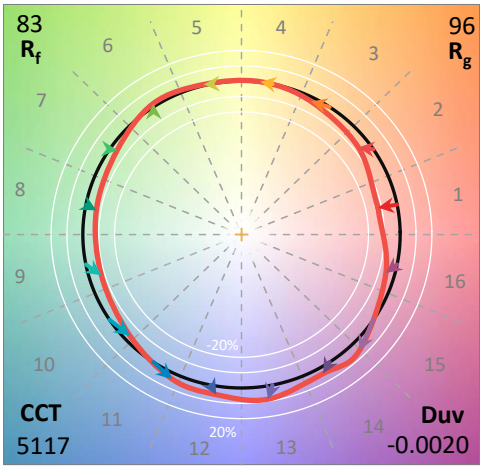
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-4
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-5000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 5000K CCT settings

Spectral Parameters

CCT (K):	5117	CRI (Ra):	84.6		
CIE u':	0.2117	R1:	84.3	R9:	16.1
CIE v':	0.4808	R2:	90.8	R10:	76.0
Duv:	-0.0020	R3:	92.9	R11:	82.6
CIE x:	0.3416	R4:	83.6	R12:	61.4
CIE y:	0.3449	R5:	84.0	R13:	86.4
CIE z:	0.3135	R6:	84.9	R14:	96.3
Peak Wavelength (nm):	454	R7:	86.7	R15:	80.3
Dominant Wavelength (nm):	574	R8:	69.3		
Purity:	5.96999				

Rf:	83.2
Rg:	95.8



Test Conditions

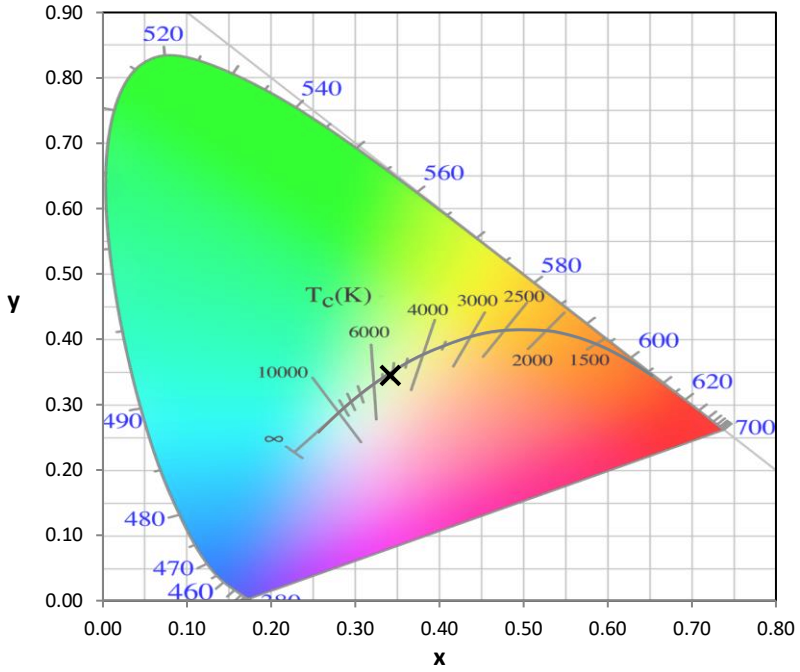
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-4

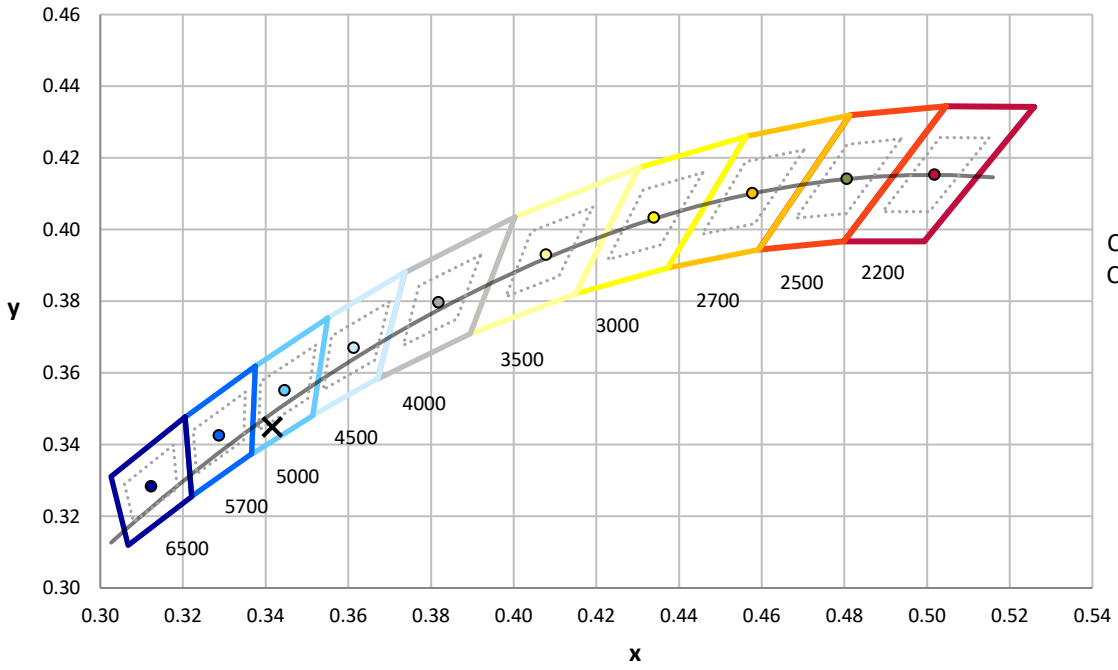
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-4

CIE 1931 Chromaticity Diagram



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

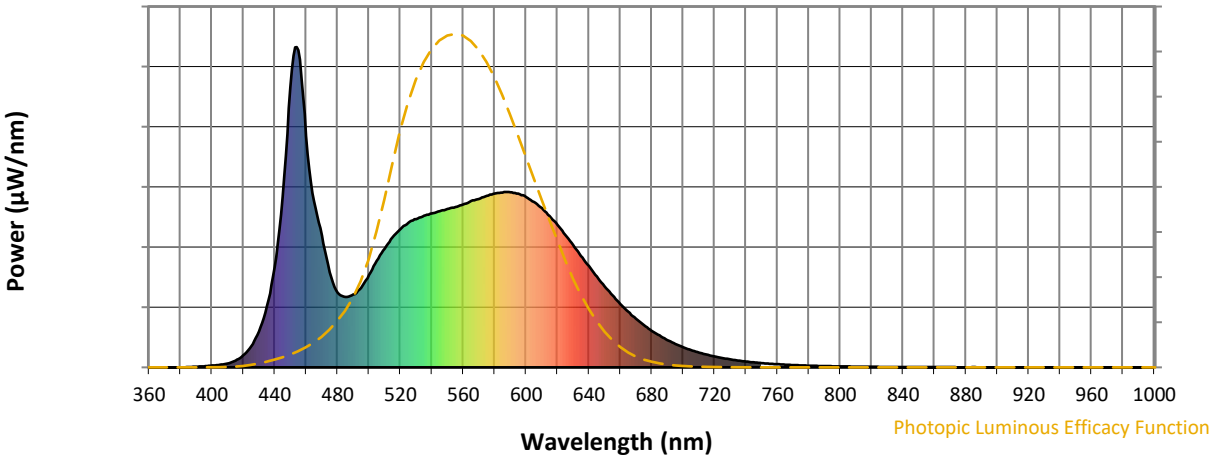


CCT = 5117K
CIE x = 0.3416
CIE y = 0.3449
Duv = -0.0020

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-4

Photopic Flux vs. Wavelength

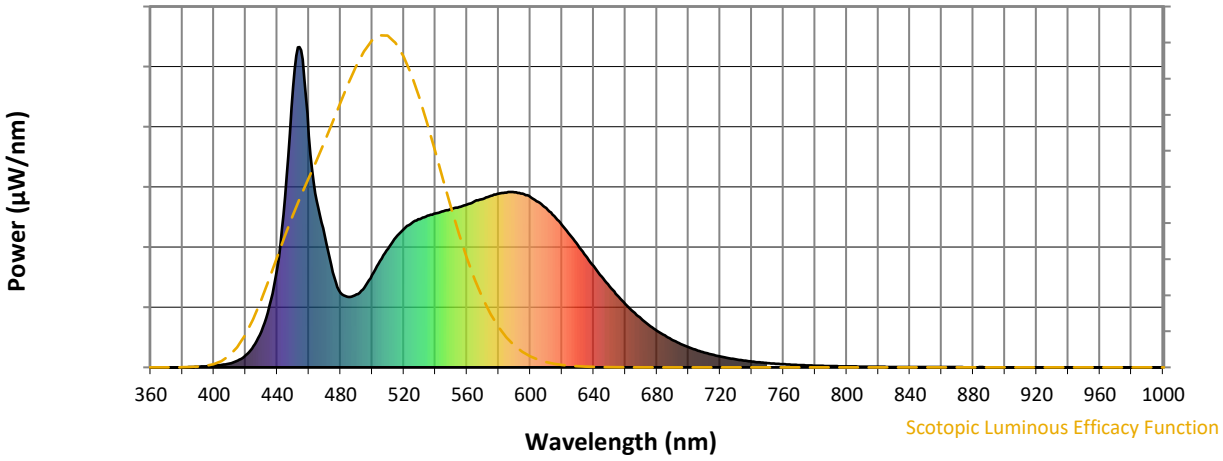


Photopic Lumens: NR

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	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-4

Scotopic Flux vs. Wavelength

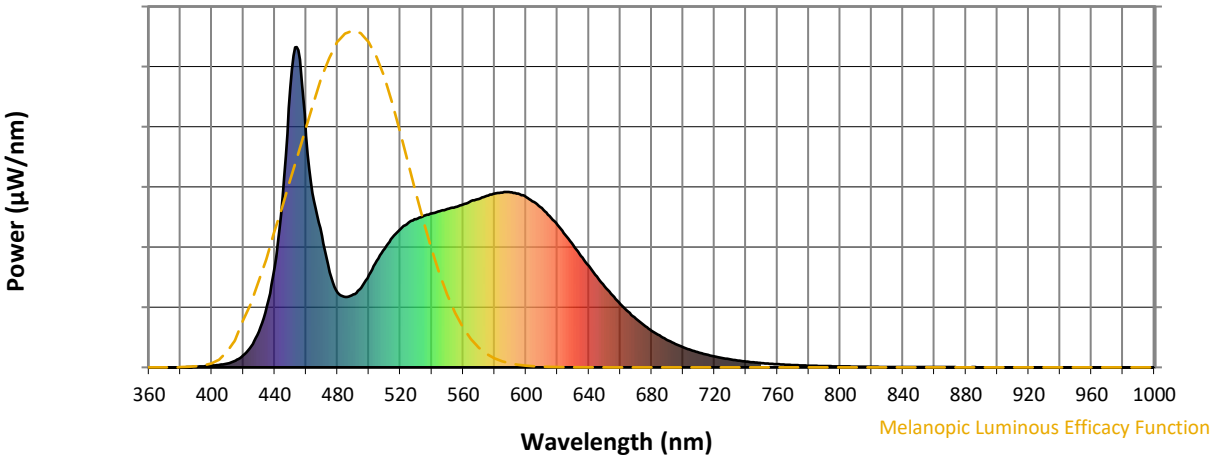


Scotopic Lumens: NR **S/P: 2**

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	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.33**

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	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

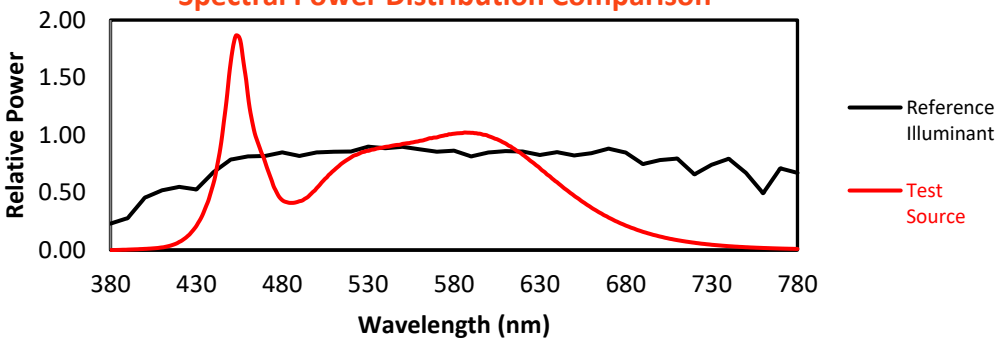
REPORT NUMBER: SP3-2602-684-4

TM-30-18

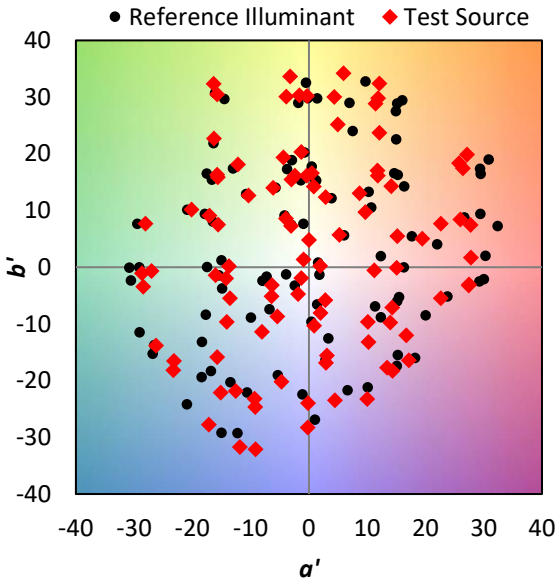
Summary

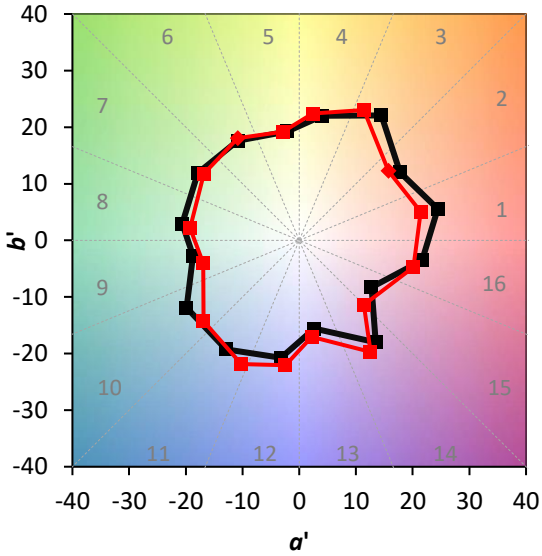
R_f = 83.2
R_g = 95.8
CIE R_a = 84.6
R_9 = 16.1

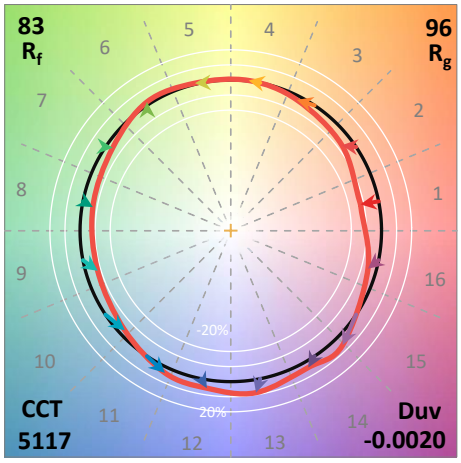
Spectral Power Distribution Comparison

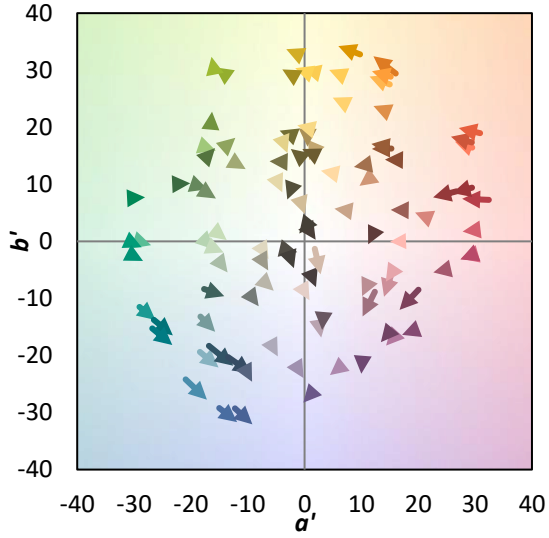


Color Vector Graphics







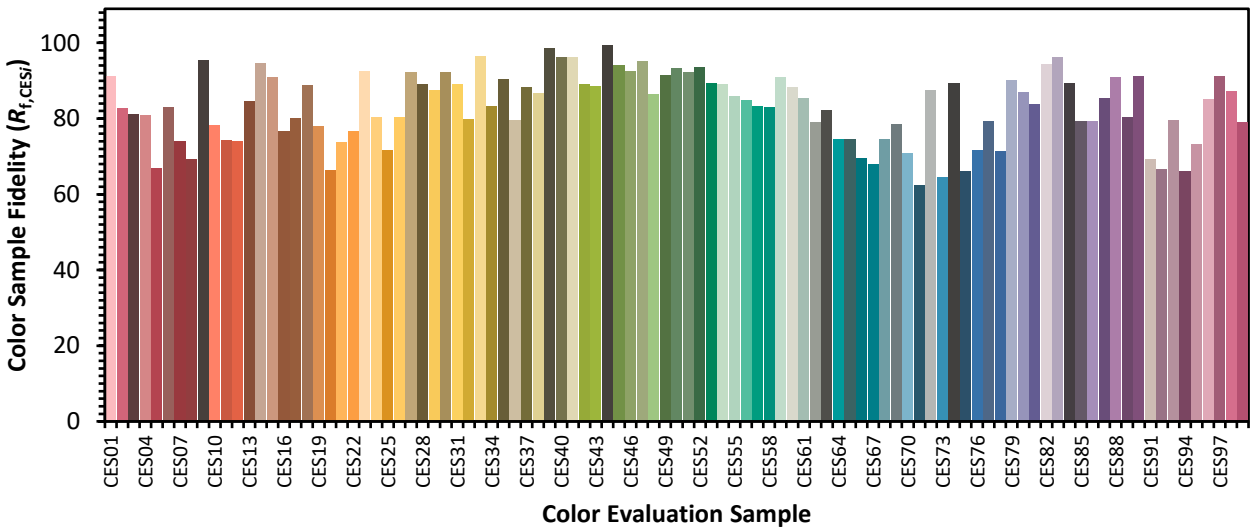


REPORT NUMBER: SP3-2602-684-4

TM-30-18

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

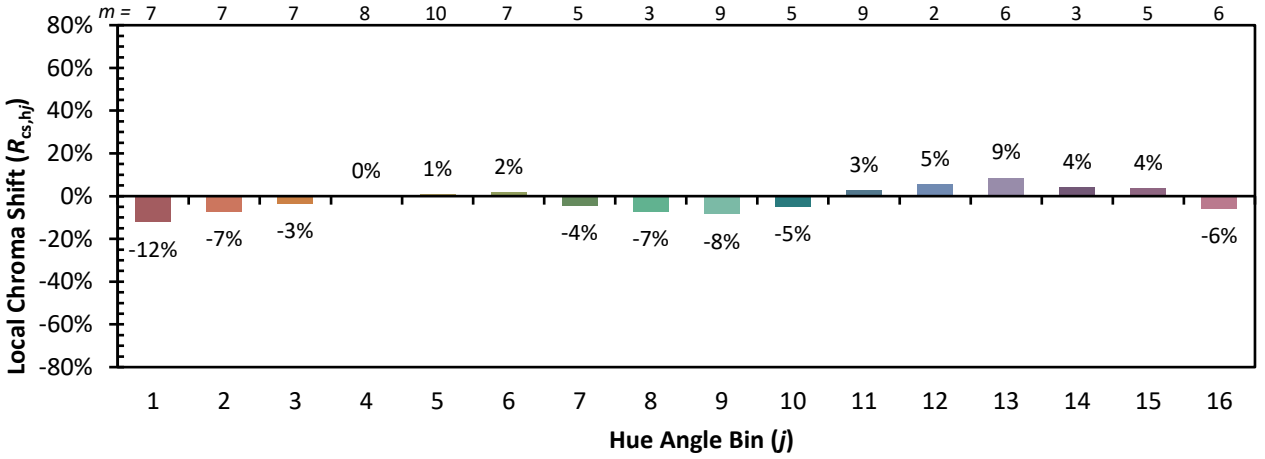
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 72
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 79
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 71
CES04 = 69	CES29 = 88	CES54 = 89	CES79 = 90
CES05 = 47	CES30 = 92	CES55 = 86	CES80 = 87
CES06 = 50	CES31 = 89	CES56 = 85	CES81 = 84
CES07 = 40	CES32 = 80	CES57 = 83	CES82 = 94
CES08 = 39	CES33 = 96	CES58 = 83	CES83 = 96
CES09 = 29	CES34 = 83	CES59 = 91	CES84 = 89
CES10 = 73	CES35 = 90	CES60 = 88	CES85 = 79
CES11 = 56	CES36 = 80	CES61 = 85	CES86 = 79
CES12 = 62	CES37 = 88	CES62 = 79	CES87 = 85
CES13 = 42	CES38 = 87	CES63 = 82	CES88 = 91
CES14 = 74	CES39 = 99	CES64 = 75	CES89 = 80
CES15 = 71	CES40 = 96	CES65 = 75	CES90 = 91
CES16 = 46	CES41 = 96	CES66 = 70	CES91 = 69
CES17 = 49	CES42 = 89	CES67 = 68	CES92 = 67
CES18 = 56	CES43 = 89	CES68 = 75	CES93 = 80
CES19 = 71	CES44 = 99	CES69 = 79	CES94 = 66
CES20 = 64	CES45 = 94	CES70 = 71	CES95 = 73
CES21 = 85	CES46 = 92	CES71 = 62	CES96 = 85
CES22 = 77	CES47 = 95	CES72 = 88	CES97 = 91
CES23 = 91	CES48 = 87	CES73 = 65	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 89	CES99 = 79
CES25 = 71	CES50 = 93	CES75 = 66	

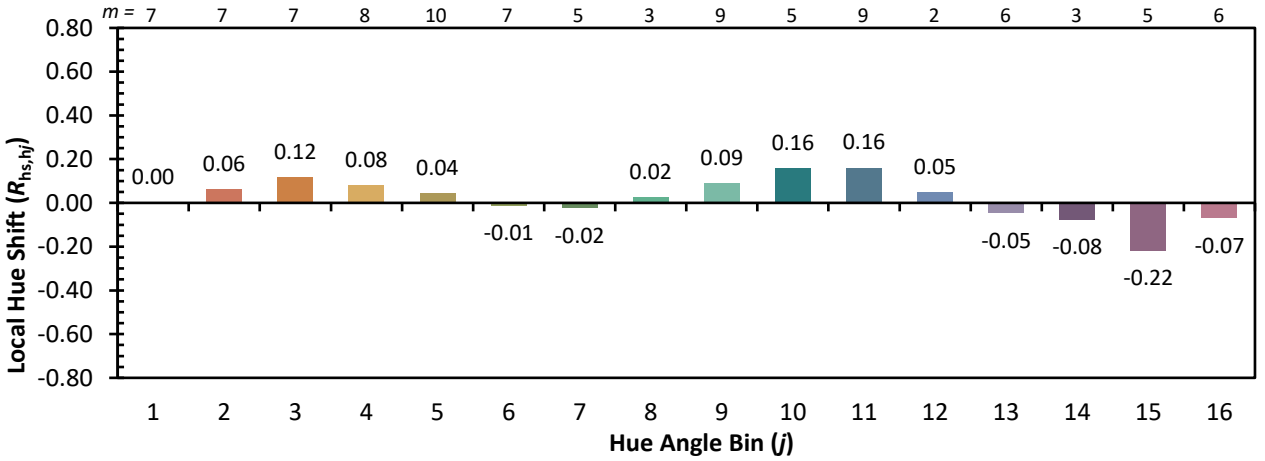


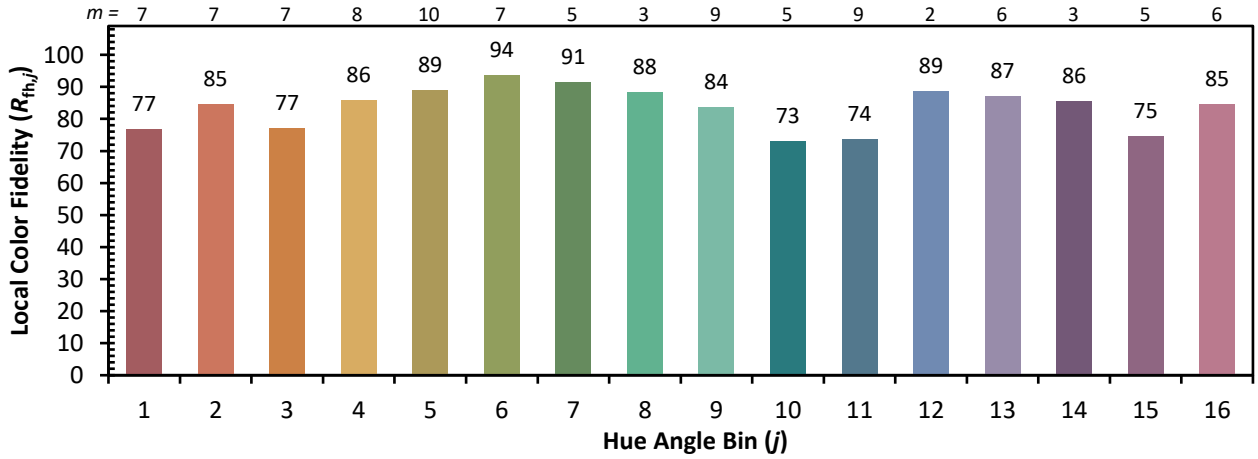
REPORT NUMBER: SP3-2602-684-4

TM-30-18

Color Rendition by Hue-Angle Bin



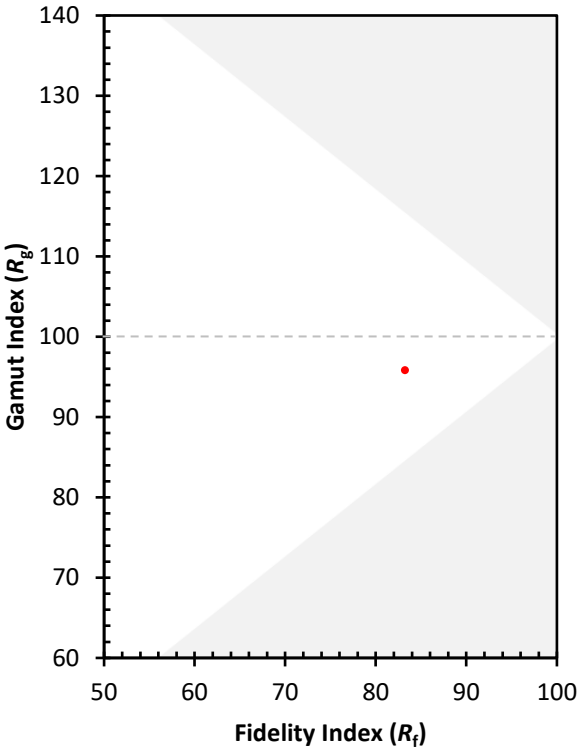


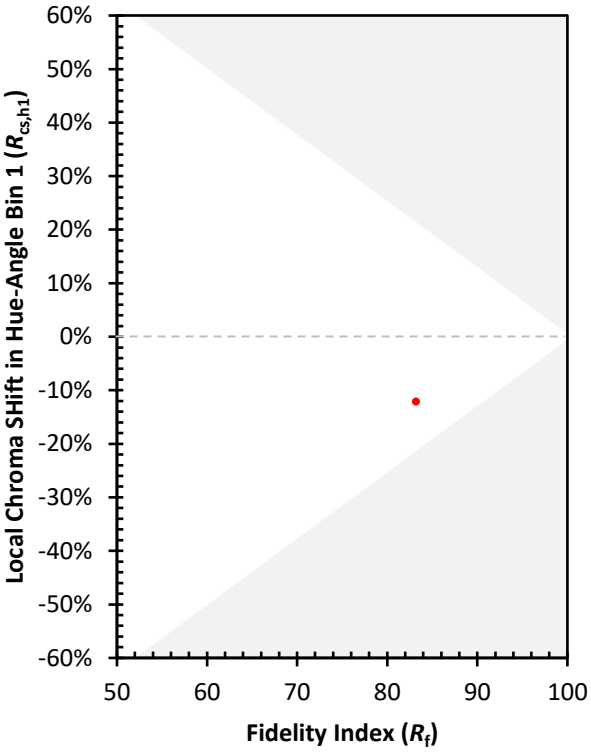


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Measure Comparisons





(END OF REPORT)