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: P1594578

Luminaire Tested: FLXB-1224-W-HI-3000K

Issue Date: 10/2/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594578
	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-HI-3000K
Description:	1224 FlexBay Linear High bay at W beam, HI lumen, 3000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23199.0 lumens
Efficiency:	N/A
Efficacy:	155.6 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

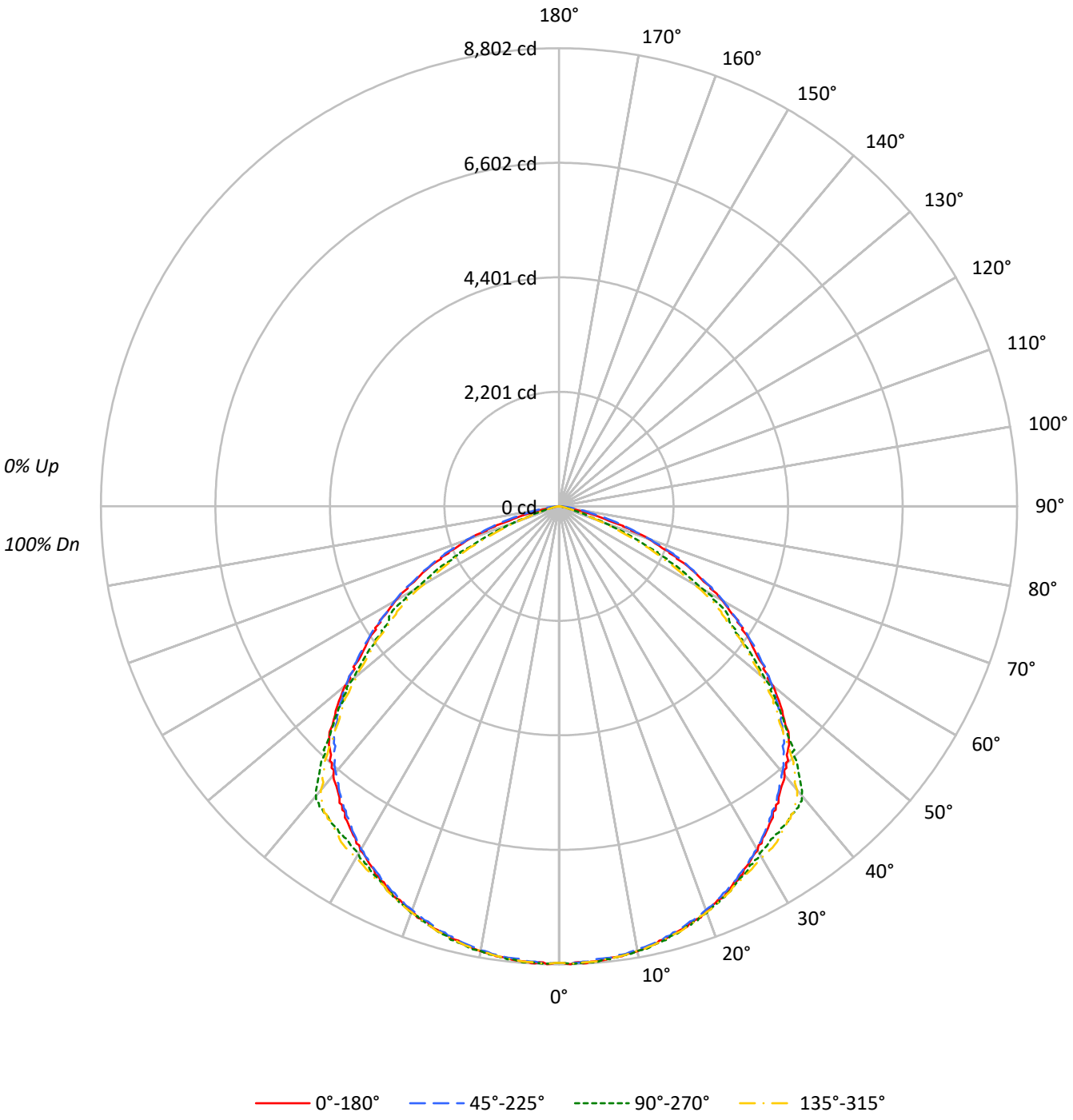
Input Watts (W):	149.1
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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	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°	76348	76348	76348	76348
5°	76576	76653	76576	76653
10°	76691	76669	76691	76669
15°	76669	76794	76669	76794
20°	76696	76966	76696	76966
25°	76488	76985	76488	76985
30°	76685	77416	76685	77416
35°	76146	79791	76146	79791
40°	76651	82487	76651	82487
45°	76809	76528	76809	76528
50°	72747	70000	72747	70000
55°	67706	63152	67706	63152
60°	63107	55484	63107	55484
65°	56312	43168	56312	43168
70°	46683	23075	46683	23075
75°	28029	9965	28029	9965
80°	9280	4084	9280	4084
85°	3854	2716	3854	2716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 76809 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.2	3.6
10°-20°	2403.3	10.4
20°-30°	3691.8	15.9
30°-40°	4603.6	19.8
40°-50°	4718.4	20.3
50°-60°	3836.1	16.5
60°-70°	2313.4	10.0
70°-80°	715.7	3.1
80°-90°	83.4	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°	6928.4	29.9
0°-40°	11531.9	49.7
0°-60°	20086.5	86.6
0°-90°	23199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23199.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8774	8774	8774	8774	8774	
5°	8767	8776	8767	8776	8767	834
15°	8511	8525	8511	8525	8511	2404
25°	7967	8018	7967	8018	7967	3680
35°	7168	7512	7168	7512	7168	4506
45°	6242	6219	6242	6219	6242	4750
55°	4463	4163	4463	4163	4463	3983
65°	2735	2097	2735	2097	2735	2682
75°	834	296	834	296	834	950
85°	39	27	39	27	39	60
90°	2	2	2	2	2	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1
0.5°	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1	8774.1
1°	8792.7	8776.9	8788.9	8783.3	8784.5	8790.2	8792.7	8776.9	8788.9	8783.3	8784.5
1.5°	8802.2	8761.8	8780.7	8792.1	8802.8	8779.5	8802.2	8761.8	8780.7	8792.1	8802.8
2°	8768.1	8773.8	8780.7	8792.1	8802.8	8779.5	8768.1	8773.8	8780.7	8792.1	8802.8
2.5°	8768.1	8773.8	8782.6	8787.7	8795.3	8767.4	8768.1	8773.8	8782.6	8787.7	8795.3
3°	8794.6	8736.5	8782.6	8787.7	8787.7	8767.4	8794.6	8736.5	8782.6	8787.7	8787.7
3.5°	8794.6	8752.3	8774.4	8776.3	8770.6	8785.1	8794.6	8752.3	8774.4	8776.3	8770.6
4°	8769.3	8744.7	8774.4	8783.9	8769.3	8785.1	8769.3	8744.7	8774.4	8783.9	8769.3
4.5°	8769.3	8739.6	8723.8	8789.6	8786.4	8764.3	8769.3	8739.6	8723.8	8789.6	8786.4
5°	8766.8	8735.8	8723.2	8775.7	8763.7	8769.3	8766.8	8735.8	8723.2	8775.7	8763.7
5.5°	8764.3	8740.9	8723.2	8754.2	8748.5	8766.8	8764.3	8740.9	8723.2	8754.2	8748.5
6°	8758.0	8732.1	8729.5	8750.4	8752.9	8747.2	8758.0	8732.1	8729.5	8750.4	8752.9
6.5°	8729.5	8732.1	8729.5	8759.2	8759.8	8747.2	8729.5	8732.1	8729.5	8759.2	8759.8
7°	8729.5	8727.6	8711.8	8737.7	8740.9	8735.2	8729.5	8727.6	8711.8	8737.7	8740.9
7.5°	8731.4	8682.1	8711.8	8737.7	8722.6	8735.2	8731.4	8682.1	8711.8	8737.7	8722.6
8°	8731.4	8682.1	8716.9	8715.0	8722.6	8722.6	8731.4	8682.1	8716.9	8715.0	8722.6
8.5°	8698.6	8677.1	8716.9	8715.0	8702.3	8722.6	8698.6	8677.1	8716.9	8715.0	8702.3
9°	8698.6	8658.1	8686.5	8716.3	8703.6	8683.4	8698.6	8658.1	8686.5	8716.3	8703.6
9.5°	8693.5	8644.8	8682.1	8697.9	8677.1	8683.4	8693.5	8644.8	8682.1	8697.9	8677.1
10°	8679.6	8650.5	8676.4	8677.1	8660.6	8685.9	8679.6	8650.5	8676.4	8677.1	8660.6
10.5°	8668.2	8623.3	8648.0	8673.3	8663.8	8665.7	8668.2	8623.3	8648.0	8673.3	8663.8
11°	8650.5	8610.7	8644.2	8672.6	8666.9	8649.9	8650.5	8610.7	8644.2	8672.6	8666.9
11.5°	8630.3	8605.0	8622.1	8660.0	8645.5	8630.9	8630.3	8605.0	8622.1	8660.0	8645.5
12°	8616.4	8599.3	8596.8	8634.7	8627.8	8630.9	8616.4	8599.3	8596.8	8634.7	8627.8
12.5°	8616.4	8568.3	8599.3	8608.2	8615.7	8605.6	8616.4	8568.3	8599.3	8608.2	8615.7
13°	8564.6	8556.3	8574.7	8608.2	8586.7	8605.6	8564.6	8556.3	8574.7	8608.2	8586.7
13.5°	8564.6	8556.3	8553.8	8585.4	8587.3	8552.5	8564.6	8556.3	8553.8	8585.4	8587.3
14°	8551.9	8507.0	8538.6	8585.4	8563.3	8552.5	8551.9	8507.0	8538.6	8585.4	8563.3
14.5°	8525.4	8502.6	8532.3	8532.3	8532.3	8544.3	8525.4	8502.6	8532.3	8532.3	8532.3
15°	8510.8	8469.7	8489.3	8524.7	8526.0	8506.4	8510.8	8469.7	8489.3	8524.7	8526.0
15.5°	8490.0	8460.9	8489.3	8516.5	8521.6	8486.2	8490.0	8460.9	8489.3	8516.5	8521.6
16°	8468.5	8450.1	8454.6	8493.1	8495.0	8486.8	8468.5	8450.1	8454.6	8493.1	8495.0
16.5°	8457.7	8429.3	8420.4	8459.6	8469.1	8471.0	8457.7	8429.3	8420.4	8459.6	8469.1
17°	8446.4	8381.9	8414.1	8429.9	8450.8	8423.0	8446.4	8381.9	8414.1	8429.9	8450.8
17.5°	8380.0	8366.1	8363.5	8429.9	8435.0	8423.0	8380.0	8366.1	8363.5	8429.9	8435.0
18°	8380.0	8366.1	8363.5	8390.1	8415.4	8380.6	8380.0	8366.1	8363.5	8390.1	8415.4
18.5°	8359.8	8313.0	8344.6	8390.1	8362.9	8380.6	8359.8	8313.0	8344.6	8390.1	8362.9
19°	8359.8	8304.8	8331.9	8331.9	8328.2	8339.5	8359.8	8304.8	8331.9	8331.9	8328.2
19.5°	8305.4	8264.9	8291.5	8325.0	8313.0	8339.5	8305.4	8264.9	8291.5	8325.0	8313.0
20°	8282.6	8238.4	8273.2	8311.7	8306.7	8287.7	8282.6	8238.4	8273.2	8311.7	8306.7
20.5°	8249.8	8220.7	8231.4	8282.6	8280.7	8282.6	8249.8	8220.7	8231.4	8282.6	8280.7
21°	8211.2	8203.0	8231.4	8247.2	8254.8	8255.5	8211.2	8203.0	8231.4	8247.2	8254.8
21.5°	8193.5	8159.4	8182.8	8218.8	8231.4	8199.8	8193.5	8159.4	8182.8	8218.8	8231.4
22°	8156.2	8141.1	8155.0	8206.8	8214.4	8199.8	8156.2	8141.1	8155.0	8206.8	8214.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	8156.2	8118.3	8123.4	8154.3	*8197.3*	8143.6	8156.2	8118.3	8123.4	8154.3	8197.3
23°	8138.5	8053.2	8093.7	8154.3	*8149.3*	8143.6	8138.5	8053.2	8093.7	8154.3	8149.3
23.5°	8088.0	8053.2	8080.4	8095.5	*8149.3*	8093.0	8088.0	8053.2	8080.4	8095.5	8149.3
24°	8057.0	8007.7	8036.8	8095.5	*8103.1*	8093.0	8057.0	8007.7	8036.8	8095.5	8103.1
24.5°	8018.4	7967.9	8009.0	8053.8	*8090.5*	7998.2	8018.4	7967.9	8009.0	8053.8	8090.5
25°	7966.6	7933.7	7987.5	8018.4	*8065.2*	7973.6	7966.6	7933.7	7987.5	8018.4	8065.2
25.5°	7966.6	7912.9	7957.8	7976.7	*8029.8*	7973.6	7966.6	7912.9	7957.8	7976.7	8029.8
26°	7906.6	7867.4	7892.7	7947.7	*8039.3*	7924.3	7906.6	7867.4	7892.7	7947.7	8039.3
26.5°	7906.6	7849.7	7861.1	7930.6	*8016.6*	7924.3	7906.6	7849.7	7861.1	7930.6	8016.6
27°	7827.6	7821.9	7817.4	7907.8	*7996.3*	7864.9	7827.6	7821.9	7817.4	7907.8	7996.3
27.5°	7804.2	7788.4	7787.1	7871.8	*7974.2*	7850.3	7804.2	7788.4	7787.1	7871.8	7974.2
28°	7772.6	7736.5	7768.1	7811.1	*7964.7*	7823.8	7772.6	7736.5	7768.1	7811.1	7964.7
28.5°	7729.0	7683.4	7720.1	7811.1	*7933.1*	7794.1	7729.0	7683.4	7720.1	7811.1	7933.1
29°	7683.4	7683.4	7687.9	7771.3	*7917.9*	7766.9	7683.4	7683.4	7687.9	7771.3	7917.9
29.5°	7654.4	7594.3	7665.7	7771.3	*7899.6*	7734.6	7654.4	7594.3	7665.7	7771.3	7899.6
30°	7632.2	7576.0	7636.0	7704.9	*7871.2*	7715.7	7632.2	7576.0	7636.0	7704.9	7871.2
30.5°	7559.6	7525.4	7555.1	7682.2	*7892.0*	7655.0	7559.6	7525.4	7555.1	7682.2	7892.0
31°	7559.6	7486.2	7555.1	7668.9	*7892.0*	7655.0	7559.6	7486.2	7555.1	7668.9	7892.0
31.5°	7481.8	7454.6	7479.3	7647.4	*7872.4*	7618.3	7481.8	7454.6	7479.3	7647.4	7872.4
32°	7455.3	7415.4	7438.2	7618.3	*7859.8*	7610.1	7455.3	7415.4	7438.2	7618.3	7859.8
32.5°	7414.8	7361.7	7414.8	7581.0	*7838.3*	7582.3	7414.8	7361.7	7414.8	7581.0	7838.3
33°	7373.7	7296.6	7363.0	7581.0	*7823.8*	7557.0	7373.7	7296.6	7363.0	7581.0	7823.8
33.5°	7325.7	7296.6	7312.4	7557.7	*7755.5*	7551.3	7325.7	7296.6	7312.4	7557.7	7755.5
34°	7284.6	7196.1	7279.5	7557.7	*7646.2*	7539.3	7284.6	7196.1	7279.5	7557.7	7646.2
34.5°	7260.0	7172.1	7250.5	7514.7	*7619.6*	7535.5	7260.0	7172.1	7250.5	7514.7	7619.6
35°	7168.3	7117.7	7165.1	7511.5	*7552.0*	7518.5	7168.3	7117.7	7165.1	7511.5	7552.0
35.5°	7168.3	7077.3	7165.1	7501.4	*7550.7*	7483.7	7168.3	7077.3	7165.1	7501.4	7550.7
36°	7092.5	7036.2	7081.1	7485.0	*7488.8*	7441.4	7092.5	7036.2	7081.1	7485.0	7488.8
36.5°	7092.5	6992.0	7081.1	7447.7	*7501.4*	7441.4	7092.5	6992.0	7081.1	7447.7	7501.4
37°	7012.2	6928.8	7005.2	7418.6	*7429.4*	7398.4	7012.2	6928.8	7005.2	7418.6	7429.4
37.5°	6963.5	6893.4	6956.6	7418.0	*7429.4*	7399.6	6963.5	6893.4	6956.6	7418.0	7429.4
38°	6913.6	6845.3	6911.1	7388.9	*7316.8*	7394.0	6913.6	6845.3	6911.1	7388.9	7316.8
38.5°	6871.2	6743.6	6872.5	7388.9	*7200.6*	7389.5	6871.2	6743.6	6872.5	7388.9	7200.6
39°	6838.4	6743.6	6839.6	7335.2	*7123.4*	7379.4	6838.4	6743.6	6839.6	7335.2	7123.4
39.5°	6801.1	6647.5	6785.3	7335.2	*7041.9*	7342.8	6801.1	6647.5	6785.3	7335.2	7041.9
40°	6748.0	6600.7	6749.9	7261.8	*6947.7*	7290.9	6748.0	6600.7	6749.9	7261.8	6947.7
40.5°	6663.3	6557.7	6705.6	7191.1	*6823.2*	7124.7	6663.3	6557.7	6705.6	7191.1	6823.2
41°	6663.3	6509.7	6650.6	7081.1	*6742.9*	7124.7	6663.3	6509.7	6650.6	7081.1	6742.9
41.5°	6579.8	6442.1	6553.9	6981.2	*6742.9*	6942.6	6579.8	6442.1	6553.9	6981.2	6742.9
42°	6579.8	6404.8	6485.0	6875.6	*6585.5*	6854.2	6579.8	6404.8	6485.0	6875.6	6585.5
42.5°	6480.0	6354.2	6433.8	6791.6	*6585.5*	6764.4	6480.0	6354.2	6433.8	6791.6	6585.5
43°	6444.6	6226.5	6373.8	6696.8	*6390.2*	6670.2	6444.6	6226.5	6373.8	6696.8	6390.2
43.5°	6400.3	6226.5	6339.0	6508.4	*6296.7*	6556.5	6400.3	6226.5	6339.0	6508.4	6296.7
44°	6365.6	6189.9	6251.2	6508.4	*6155.7*	6435.1	6365.6	6189.9	6251.2	6508.4	6155.7
44.5°	6300.5	6131.7	6210.7	6347.2	*5947.8*	6348.5	6300.5	6131.7	6210.7	6347.2	5947.8

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594578
CATALOG NUMBER: FLXB-1224-W-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	6241.7	6011.6	6130.5	6218.9	*5947.8*	6219.6	6241.7	6011.6	6130.5	6218.9	5947.8
45.5°	6182.9	5958.5	6078.6	6135.5	*5748.0*	6155.1	6182.9	5958.5	6078.6	6135.5	5748.0
46°	6050.2	5883.3	5945.3	6018.6	*5748.0*	5961.1	6050.2	5883.3	5945.3	6018.6	5748.0
46.5°	5971.2	5831.5	5945.3	5942.7	*5641.2*	5961.1	5971.2	5831.5	5945.3	5942.7	5641.2
47°	5882.0	5772.7	5804.9	5827.7	*5641.2*	5762.6	5882.0	5772.7	5804.9	5827.7	5641.2
47.5°	5818.8	5700.6	5724.0	5739.2	*5512.3*	5655.1	5818.8	5700.6	5724.0	5739.2	5512.3
48°	5727.8	5615.9	5681.7	5548.9	*5512.3*	5572.3	5727.8	5615.9	5681.7	5548.9	5512.3
48.5°	5646.3	5495.2	5596.3	5548.9	*5319.5*	5460.5	5646.3	5495.2	5596.3	5548.9	5319.5
49°	5542.0	5495.2	5521.1	5381.4	*5208.9*	5384.0	5542.0	5495.2	5521.1	5381.4	5208.9
49.5°	5463.0	5351.1	5454.8	5381.4	*5103.3*	5271.5	5463.0	5351.1	5454.8	5381.4	5103.3
50°	5373.9	5294.8	5381.4	5171.0	*4868.2*	5201.3	5373.9	5294.8	5381.4	5171.0	4868.2
50.5°	5189.9	5212.0	5299.3	5062.3	*4868.2*	5101.4	5189.9	5212.0	5299.3	5062.3	4868.2
51°	5189.9	5150.1	5228.5	4963.7	*4664.0*	5009.8	5189.9	5150.1	5228.5	4963.7	4664.0
51.5°	5015.5	5000.9	5064.2	4857.5	*4664.0*	4803.1	5015.5	5000.9	5064.2	4857.5	4664.0
52°	5015.5	5000.9	5064.2	4753.2	*4509.2*	4803.1	5015.5	5000.9	5064.2	4753.2	4509.2
52.5°	4855.6	4916.2	4900.4	4644.4	*4509.2*	4597.7	4855.6	4916.2	4900.4	4644.4	4509.2
53°	4767.1	4861.3	4815.7	4554.1	*4391.6*	4491.5	4767.1	4861.3	4815.7	4554.1	4391.6
53.5°	4684.3	4790.5	4721.6	4360.0	*4391.6*	4396.0	4684.3	4790.5	4721.6	4360.0	4391.6
54°	4601.5	4647.6	4647.6	4360.0	*4238.7*	4298.1	4601.5	4647.6	4647.6	4360.0	4238.7
54.5°	4535.7	4647.6	4554.1	4162.8	*4014.9*	4212.1	4535.7	4647.6	4554.1	4162.8	4014.9
55°	4463.0	4498.4	4476.3	4162.8	*4014.9*	4132.5	4463.0	4498.4	4476.3	4162.8	4014.9
55.5°	4385.3	4437.8	4387.2	4005.4	*3793.7*	4033.9	4385.3	4437.8	4387.2	4005.4	3793.7
56°	4238.0	4356.9	4319.6	3942.9	*3793.7*	3939.1	4238.0	4356.9	4319.6	3942.9	3793.7
56.5°	4238.0	4283.5	4225.4	3912.5	*3573.1*	3939.1	4238.0	4283.5	4225.4	3912.5	3573.1
57°	4088.2	4195.7	4074.3	3899.2	*3573.1*	3859.4	4088.2	4195.7	4074.3	3899.2	3573.1
57.5°	4088.2	4132.5	3985.8	3822.8	*3370.2*	3798.7	4088.2	4132.5	3985.8	3822.8	3370.2
58°	3933.4	4047.1	3903.0	3764.6	*3370.2*	3745.6	3933.4	4047.1	3903.0	3764.6	3370.2
58.5°	3854.4	3897.3	3831.6	3623.0	*3163.5*	3625.6	3854.4	3897.3	3831.6	3623.0	3163.5
59°	3787.4	3897.3	3760.8	3422.0	*3061.8*	3514.3	3787.4	3897.3	3760.8	3422.0	3061.8
59.5°	3703.9	3756.4	3687.5	3422.0	*2946.7*	3387.9	3703.9	3756.4	3687.5	3422.0	2946.7
60°	3626.2	3683.1	3614.2	3188.2	*2724.9*	3244.4	3626.2	3683.1	3614.2	3188.2	2724.9
60.5°	3535.8	3605.3	3520.6	3062.4	*2724.9*	3137.0	3535.8	3605.3	3520.6	3062.4	2724.9
61°	3459.9	3535.8	3442.2	2951.1	*2494.1*	3017.5	3459.9	3535.8	3442.2	2951.1	2494.1
61.5°	3305.7	3449.2	3271.0	2838.6	*2494.1*	2806.4	3305.7	3449.2	3271.0	2838.6	2494.1
62°	3305.7	3375.9	3271.0	2743.2	*2288.7*	2806.4	3305.7	3375.9	3271.0	2743.2	2288.7
62.5°	3135.7	3296.3	3093.4	2640.8	*2288.7*	2597.8	3135.7	3296.3	3093.4	2640.8	2288.7
63°	3060.5	3206.5	3007.4	2525.7	*2089.0*	2503.6	3060.5	3206.5	3007.4	2525.7	2089.0
63.5°	2977.7	3121.8	2933.4	2300.7	*2089.0*	2401.2	2977.7	3121.8	2933.4	2300.7	2089.0
64°	2919.5	2960.6	2853.2	2300.7	*1895.6*	2298.2	2919.5	2960.6	2853.2	2300.7	1895.6
64.5°	2817.8	2960.6	2785.5	2096.6	*1797.6*	2175.0	2817.8	2960.6	2785.5	2096.6	1797.6
65°	2735.0	2796.3	2730.5	2096.6	*1718.6*	2075.1	2735.0	2796.3	2730.5	2096.6	1718.6
65.5°	2642.7	2720.4	2670.5	1879.8	*1533.4*	1960.7	2642.7	2720.4	2670.5	1879.8	1533.4
66°	2475.8	2631.9	2591.5	1776.7	*1533.4*	1858.9	2475.8	2631.9	2591.5	1776.7	1533.4
66.5°	2475.8	2552.3	2530.8	1690.2	*1310.9*	1744.5	2475.8	2552.3	2530.8	1690.2	1310.9
67°	2299.5	2472.7	2351.3	1593.4	*1310.9*	1523.3	2299.5	2472.7	2351.3	1593.4	1310.9

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

Scaled Data Report

TEST NUMBER: P1594578
CATALOG NUMBER: FLXB-1224-W-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	2299.5	2391.1	2351.3	1492.3	1089.7	1523.3	2299.5	2391.1	2351.3	1492.3	1089.7
68°	2144.6	2312.8	2156.0	1384.9	1089.7	1330.5	2144.6	2312.8	2156.0	1384.9	1089.7
68.5°	2063.7	2236.9	2048.5	1292.6	927.9	1237.6	2063.7	2236.9	2048.5	1292.6	927.9
69°	1980.9	2158.5	1967.6	1099.8	927.9	1139.0	1980.9	2158.5	1967.6	1099.8	927.9
69.5°	1908.9	1996.1	1867.8	1099.8	775.5	1056.8	1908.9	1996.1	1867.8	1099.8	775.5
70°	1834.9	1996.1	1776.7	907.0	632.7	966.4	1834.9	1996.1	1776.7	907.0	632.7
70.5°	1779.9	1834.3	1690.2	907.0	632.7	914.0	1779.9	1834.3	1690.2	907.0	632.7
71°	1681.9	1754.6	1596.0	710.4	520.8	824.8	1681.9	1754.6	1596.0	710.4	520.8
71.5°	1460.7	1683.2	1438.6	644.1	520.8	696.5	1460.7	1683.2	1438.6	644.1	520.8
72°	1460.7	1602.9	1438.6	543.6	445.0	696.5	1460.7	1602.9	1438.6	543.6	445.0
72.5°	1288.1	1537.8	1307.8	543.6	445.0	550.5	1288.1	1537.8	1307.8	543.6	445.0
73°	1288.1	1459.4	1245.8	488.6	387.5	515.8	1288.1	1459.4	1245.8	488.6	387.5
73.5°	1084.6	1396.2	1164.9	378.0	387.5	412.7	1084.6	1396.2	1164.9	378.0	387.5
74°	989.2	1253.4	1109.3	378.0	309.1	384.3	989.2	1253.4	1109.3	378.0	309.1
74.5°	906.4	1253.4	1025.9	338.8	290.8	329.3	906.4	1253.4	1025.9	338.8	290.8
75°	833.7	1116.2	970.9	296.4	226.9	312.2	833.7	1116.2	970.9	296.4	226.9
75.5°	766.7	1034.1	884.9	259.2	166.9	275.0	766.7	1034.1	884.9	259.2	166.9
76°	690.8	990.5	837.5	212.4	166.9	224.4	690.8	990.5	837.5	212.4	166.9
76.5°	627.0	898.8	726.9	212.4	144.1	224.4	627.0	898.8	726.9	212.4	144.1
77°	509.5	863.4	599.8	175.1	141.6	181.4	509.5	863.4	599.8	175.1	141.6
77.5°	509.5	786.9	599.8	175.1	124.5	181.4	509.5	786.9	599.8	175.1	124.5
78°	387.5	763.5	498.1	138.4	124.5	147.3	387.5	763.5	498.1	138.4	124.5
78.5°	323.0	684.5	488.0	138.4	103.7	141.6	323.0	684.5	488.0	138.4	103.7
79°	271.8	663.7	416.5	102.4	103.7	125.8	271.8	663.7	416.5	102.4	103.7
79.5°	224.4	570.1	405.8	89.8	80.9	120.7	224.4	570.1	405.8	89.8	80.9
80°	185.2	570.1	338.8	81.5	75.8	98.0	185.2	570.1	338.8	81.5	75.8
80.5°	158.0	489.2	329.9	76.5	62.6	92.9	158.0	489.2	329.9	76.5	62.6
81°	137.2	416.5	264.8	72.7	55.6	75.8	137.2	416.5	264.8	72.7	55.6
81.5°	104.9	407.0	258.5	61.9	55.6	71.4	104.9	407.0	258.5	61.9	55.6
82°	104.9	343.9	194.0	61.9	47.4	62.6	104.9	343.9	194.0	61.9	47.4
82.5°	84.7	334.4	132.1	48.0	47.4	54.4	84.7	334.4	132.1	48.0	47.4
83°	84.7	273.1	132.1	48.0	38.6	54.4	84.7	273.1	132.1	48.0	38.6
83.5°	62.6	268.0	91.7	40.5	38.6	43.0	62.6	268.0	91.7	40.5	38.6
84°	53.1	214.3	87.2	36.7	32.2	37.3	53.1	214.3	87.2	36.7	32.2
84.5°	44.9	161.8	65.7	33.5	32.2	31.0	44.9	161.8	65.7	33.5	32.2
85°	38.6	161.8	65.1	27.2	27.2	29.7	38.6	161.8	65.1	27.2	27.2
85.5°	34.1	161.8	49.3	20.9	22.1	24.0	34.1	161.8	49.3	20.9	22.1
86°	28.4	122.0	48.0	15.2	22.1	22.8	28.4	122.0	48.0	15.2	22.1
86.5°	22.8	91.7	39.2	11.4	17.1	19.6	22.8	91.7	39.2	11.4	17.1
87°	12.6	91.7	28.4	10.1	17.1	11.4	12.6	91.7	28.4	10.1	17.1
87.5°	12.6	67.0	28.4	10.1	9.5	11.4	12.6	67.0	28.4	10.1	9.5
88°	5.7	67.0	20.2	7.0	9.5	5.7	5.7	67.0	20.2	7.0	9.5
88.5°	5.7	49.3	20.2	7.0	6.3	5.7	5.7	49.3	20.2	7.0	6.3
89°	4.4	49.3	16.4	5.1	6.3	5.1	4.4	49.3	16.4	5.1	6.3
89.5°	2.5	36.0	16.4	2.5	5.7	5.1	2.5	36.0	16.4	2.5	5.7

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TEST NUMBER: P1594578
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1.9	27.2	5.7	2.5	*4.4*	1.3	1.9	27.2	5.7	2.5	4.4

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Scaled Data Report

TEST NUMBER: P1594578
CATALOG NUMBER: FLXB-1224-W-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	8774.1	8774.1
0.5°	8774.1	8774.1
1°	8790.2	8792.7
1.5°	*8779.5*	*8802.2*
2°	8779.5	8768.1
2.5°	8767.4	8768.1
3°	8767.4	8794.6
3.5°	8785.1	8794.6
4°	8785.1	8769.3
4.5°	8764.3	8769.3
5°	8769.3	8766.8
5.5°	8766.8	8764.3
6°	8747.2	8758.0
6.5°	8747.2	8729.5
7°	8735.2	8729.5
7.5°	8735.2	8731.4
8°	8722.6	8731.4
8.5°	8722.6	8698.6
9°	8683.4	8698.6
9.5°	8683.4	8693.5
10°	8685.9	8679.6
10.5°	8665.7	8668.2
11°	8649.9	8650.5
11.5°	8630.9	8630.3
12°	8630.9	8616.4
12.5°	8605.6	8616.4
13°	8605.6	8564.6
13.5°	8552.5	8564.6
14°	8552.5	8551.9
14.5°	8544.3	8525.4
15°	8506.4	8510.8
15.5°	8486.2	8490.0
16°	8486.8	8468.5
16.5°	8471.0	8457.7
17°	8423.0	8446.4
17.5°	8423.0	8380.0
18°	8380.6	8380.0
18.5°	8380.6	8359.8
19°	8339.5	8359.8
19.5°	8339.5	8305.4
20°	8287.7	8282.6
20.5°	8282.6	8249.8
21°	8255.5	8211.2
21.5°	8199.8	8193.5
22°	8199.8	8156.2

TEST NUMBER: P1594578
CATALOG NUMBER: FLXB-1224-W-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	8143.6	8156.2
23°	8143.6	8138.5
23.5°	8093.0	8088.0
24°	8093.0	8057.0
24.5°	7998.2	8018.4
25°	7973.6	7966.6
25.5°	7973.6	7966.6
26°	7924.3	7906.6
26.5°	7924.3	7906.6
27°	7864.9	7827.6
27.5°	7850.3	7804.2
28°	7823.8	7772.6
28.5°	7794.1	7729.0
29°	7766.9	7683.4
29.5°	7734.6	7654.4
30°	7715.7	7632.2
30.5°	7655.0	7559.6
31°	7655.0	7559.6
31.5°	7618.3	7481.8
32°	7610.1	7455.3
32.5°	7582.3	7414.8
33°	7557.0	7373.7
33.5°	7551.3	7325.7
34°	7539.3	7284.6
34.5°	7535.5	7260.0
35°	7518.5	7168.3
35.5°	7483.7	7168.3
36°	7441.4	7092.5
36.5°	7441.4	7092.5
37°	7398.4	7012.2
37.5°	7399.6	6963.5
38°	7394.0	6913.6
38.5°	7389.5	6871.2
39°	7379.4	6838.4
39.5°	7342.8	6801.1
40°	7290.9	6748.0
40.5°	7124.7	6663.3
41°	7124.7	6663.3
41.5°	6942.6	6579.8
42°	6854.2	6579.8
42.5°	6764.4	6480.0
43°	6670.2	6444.6
43.5°	6556.5	6400.3
44°	6435.1	6365.6
44.5°	6348.5	6300.5

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CANDELA DISTRIBUTION (continued):

	330°	360°
45°	6219.6	6241.7
45.5°	6155.1	6182.9
46°	5961.1	6050.2
46.5°	5961.1	5971.2
47°	5762.6	5882.0
47.5°	5655.1	5818.8
48°	5572.3	5727.8
48.5°	5460.5	5646.3
49°	5384.0	5542.0
49.5°	5271.5	5463.0
50°	5201.3	5373.9
50.5°	5101.4	5189.9
51°	5009.8	5189.9
51.5°	4803.1	5015.5
52°	4803.1	5015.5
52.5°	4597.7	4855.6
53°	4491.5	4767.1
53.5°	4396.0	4684.3
54°	4298.1	4601.5
54.5°	4212.1	4535.7
55°	4132.5	4463.0
55.5°	4033.9	4385.3
56°	3939.1	4238.0
56.5°	3939.1	4238.0
57°	3859.4	4088.2
57.5°	3798.7	4088.2
58°	3745.6	3933.4
58.5°	3625.6	3854.4
59°	3514.3	3787.4
59.5°	3387.9	3703.9
60°	3244.4	3626.2
60.5°	3137.0	3535.8
61°	3017.5	3459.9
61.5°	2806.4	3305.7
62°	2806.4	3305.7
62.5°	2597.8	3135.7
63°	2503.6	3060.5
63.5°	2401.2	2977.7
64°	2298.2	2919.5
64.5°	2175.0	2817.8
65°	2075.1	2735.0
65.5°	1960.7	2642.7
66°	1858.9	2475.8
66.5°	1744.5	2475.8
67°	1523.3	2299.5

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CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	1523.3	2299.5
68°	1330.5	2144.6
68.5°	1237.6	2063.7
69°	1139.0	1980.9
69.5°	1056.8	1908.9
70°	966.4	1834.9
70.5°	914.0	1779.9
71°	824.8	1681.9
71.5°	696.5	1460.7
72°	696.5	1460.7
72.5°	550.5	1288.1
73°	515.8	1288.1
73.5°	412.7	1084.6
74°	384.3	989.2
74.5°	329.3	906.4
75°	312.2	833.7
75.5°	275.0	766.7
76°	224.4	690.8
76.5°	224.4	627.0
77°	181.4	509.5
77.5°	181.4	509.5
78°	147.3	387.5
78.5°	141.6	323.0
79°	125.8	271.8
79.5°	120.7	224.4
80°	98.0	185.2
80.5°	92.9	158.0
81°	75.8	137.2
81.5°	71.4	104.9
82°	62.6	104.9
82.5°	54.4	84.7
83°	54.4	84.7
83.5°	43.0	62.6
84°	37.3	53.1
84.5°	31.0	44.9
85°	29.7	38.6
85.5°	24.0	34.1
86°	22.8	28.4
86.5°	19.6	22.8
87°	11.4	12.6
87.5°	11.4	12.6
88°	5.7	5.7
88.5°	5.7	5.7
89°	5.1	4.4
89.5°	5.1	2.5

TEST NUMBER: P1594578
CATALOG NUMBER: FLXB-1224-W-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1.3	1.9

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

Scaled Data Report

TEST NUMBER: P1594578
CATALOG NUMBER: FLXB-1224-W-HI-3000K

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	26.9	28.5	27.3	28.8	29.1	26.4	28.0	26.8	28.3	28.6
	3H	28.1	29.5	28.5	29.8	30.2	27.1	28.5	27.5	28.8	29.2
	4H	28.3	29.6	28.7	30.0	30.3	27.2	28.5	27.6	28.8	29.2
	6H	28.3	29.5	28.8	29.9	30.3	27.1	28.3	27.5	28.7	29.1
	8H	28.3	29.5	28.7	29.9	30.3	27.1	28.2	27.5	28.6	29.0
	12H	28.3	29.4	28.7	29.8	30.2	27.1	28.2	27.5	28.5	29.0
4H	2H	27.3	28.6	27.7	28.9	29.3	26.9	28.2	27.3	28.6	28.9
	3H	28.6	29.7	29.0	30.1	30.5	27.7	28.8	28.1	29.2	29.6
	4H	28.9	29.8	29.3	30.2	30.7	27.8	28.8	28.3	29.2	29.6
	6H	28.9	29.8	29.4	30.2	30.7	27.8	28.6	28.3	29.1	29.5
	8H	28.9	29.7	29.4	30.1	30.6	27.8	28.6	28.2	29.0	29.5
	12H	28.9	29.6	29.4	30.1	30.5	27.7	28.4	28.2	28.9	29.4
8H	4H	28.9	29.7	29.4	30.1	30.6	27.9	28.7	28.4	29.1	29.6
	6H	29.0	29.7	29.5	30.2	30.6	27.9	28.6	28.4	29.1	29.5
	8H	29.0	29.6	29.5	30.1	30.6	27.9	28.5	28.4	29.0	29.5
	12H	29.0	29.5	29.5	30.0	30.6	27.9	28.4	28.4	28.9	29.4
12H	4H	28.9	29.6	29.4	30.1	30.5	27.9	28.6	28.4	29.1	29.5
	6H	29.0	29.6	29.5	30.0	30.6	27.9	28.5	28.4	28.9	29.5
	8H	29.0	29.5	29.5	30.0	30.6	27.9	28.4	28.4	28.9	29.5

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: SP3-2602-684-1

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3000K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

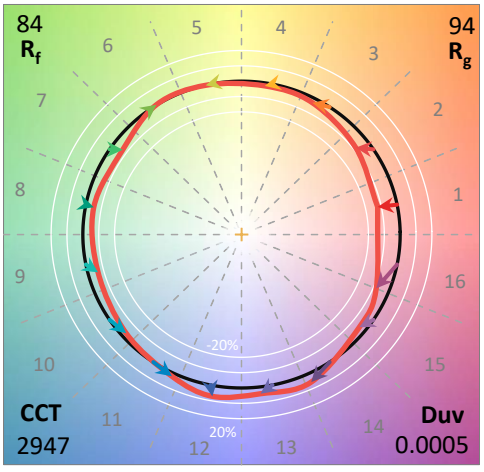
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-1
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-3000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 3000K CCT settings

Spectral Parameters

CCT (K):	2947	CRI (Ra):	81.4		
CIE u':	0.2523	R1:	79.9	R9:	0.7
CIE v':	0.5232	R2:	91.2	R10:	79.6
Duv:	0.0005	R3:	95.4	R11:	77.4
CIE x:	0.4415	R4:	78.4	R12:	68.4
CIE y:	0.4069	R5:	79.9	R13:	82.7
CIE z:	0.1516	R6:	89.4	R14:	98.3
Peak Wavelength (nm):	605	R7:	81.1	R15:	71.7
Dominant Wavelength (nm):	582	R8:	55.6		
Purity:	54.65632				

Rf:	83.6
Rg:	93.7



Test Conditions

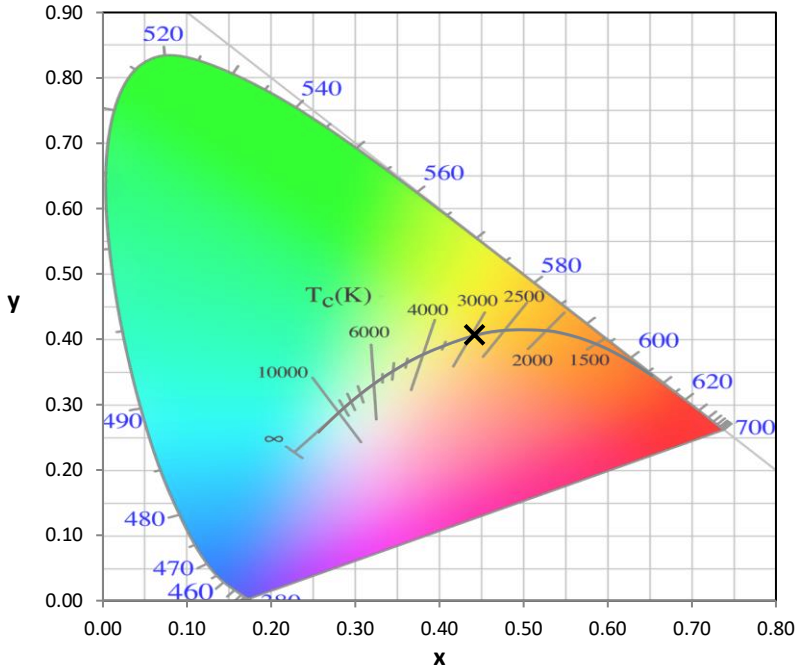
Stabilization Time:	31M
Operation Time:	1H 31M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-1

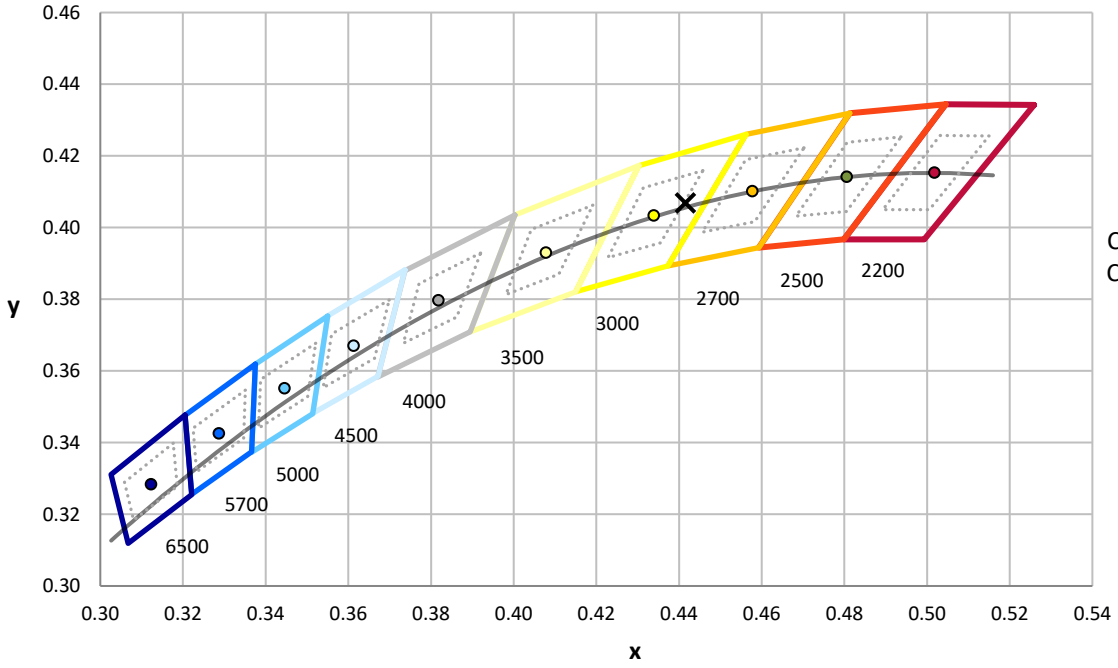
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-1

CIE 1931 Chromaticity Diagram



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

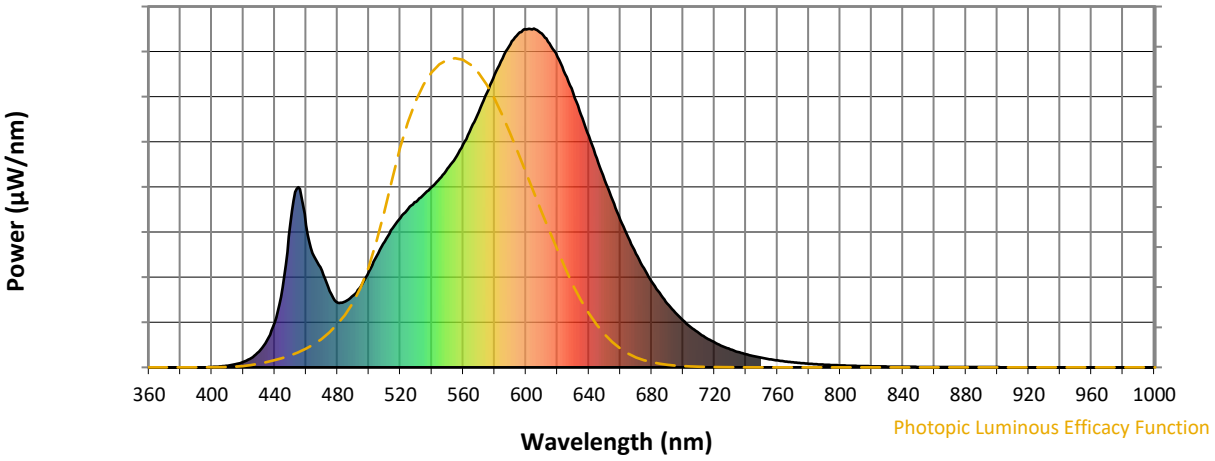


CCT = 2947K
CIE x = 0.4415
CIE y = 0.4069
Duv = 0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-1

Photopic Flux vs. Wavelength

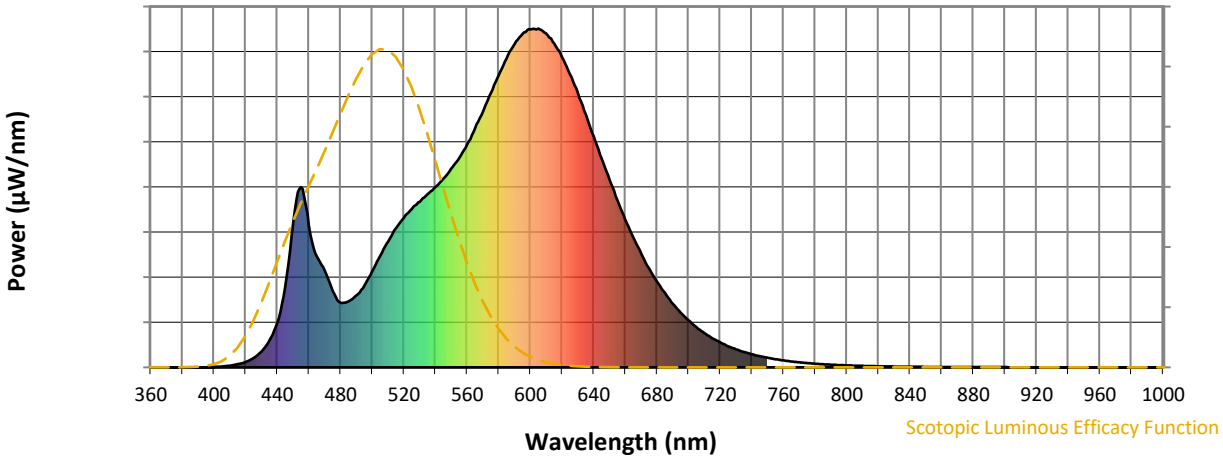


Photopic Lumens: NR

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-1

Scotopic Flux vs. Wavelength

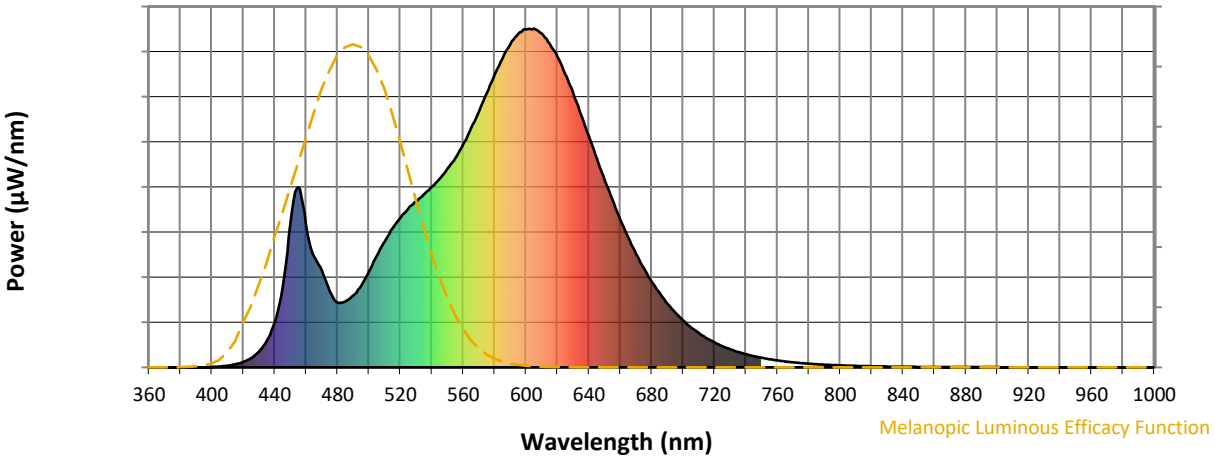


Scotopic Lumens: NR **S/P: 1.32**

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.54**

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

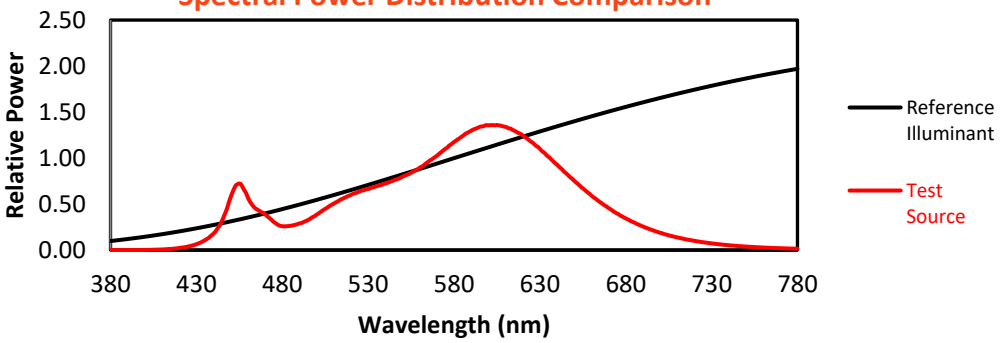
REPORT NUMBER: SP3-2602-684-1

TM-30-18

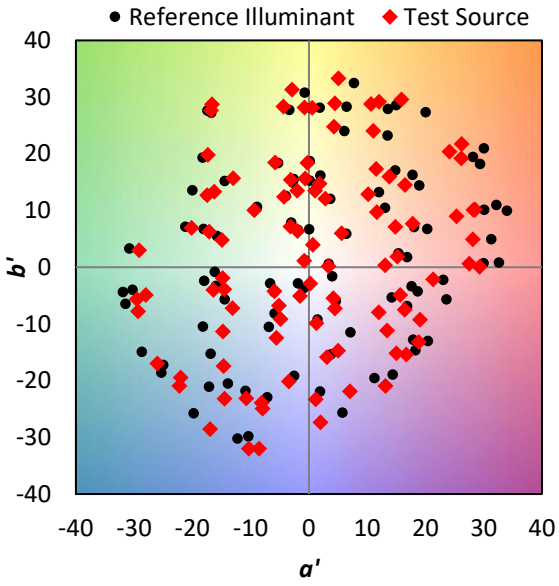
Summary

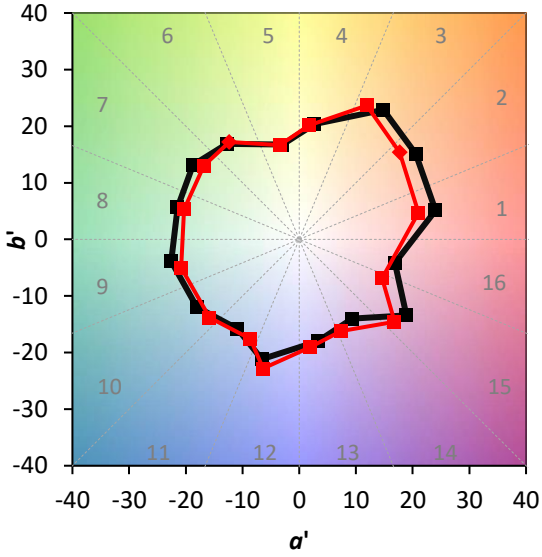
R_f = 83.6
R_g = 93.7
CIE R_a = 81.4
R_9 = 0.7

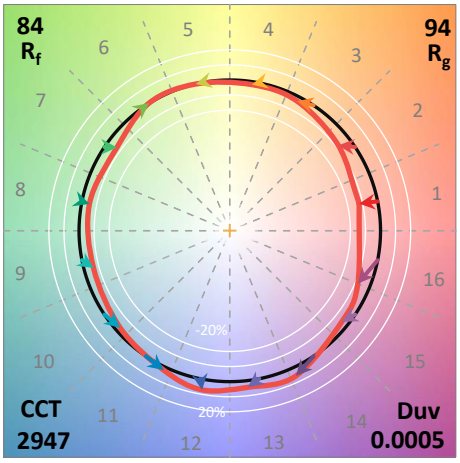
Spectral Power Distribution Comparison

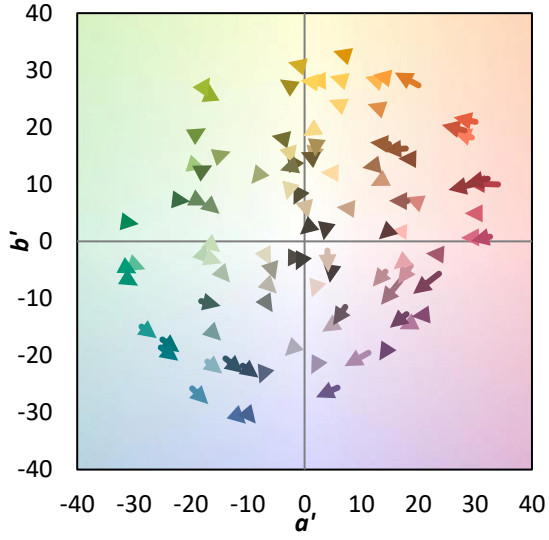


Color Vector Graphics







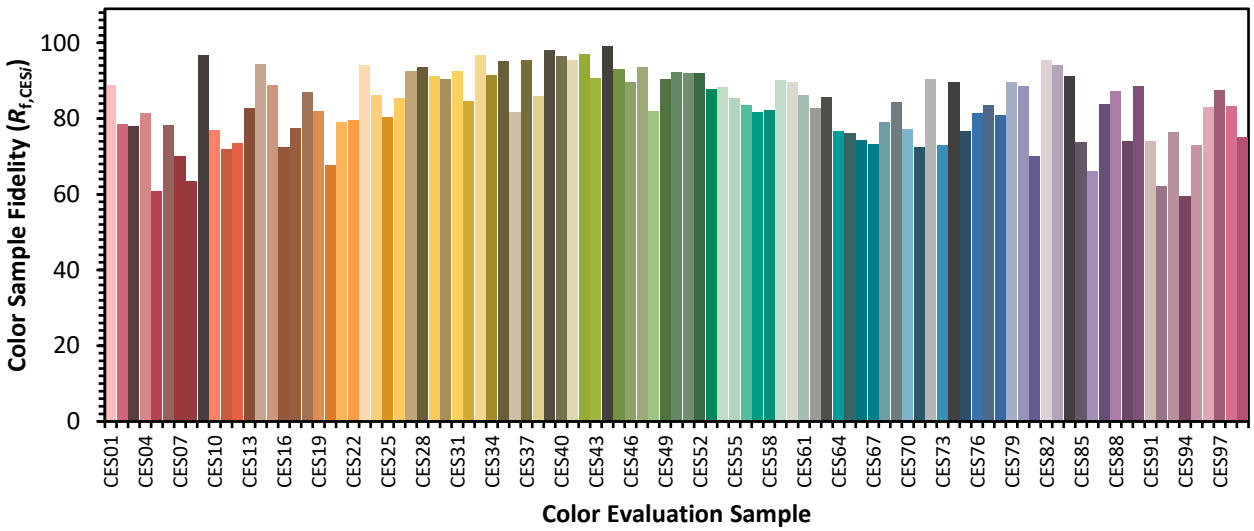


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Individual Sample Fidelity Index ($R_{f,i}$)

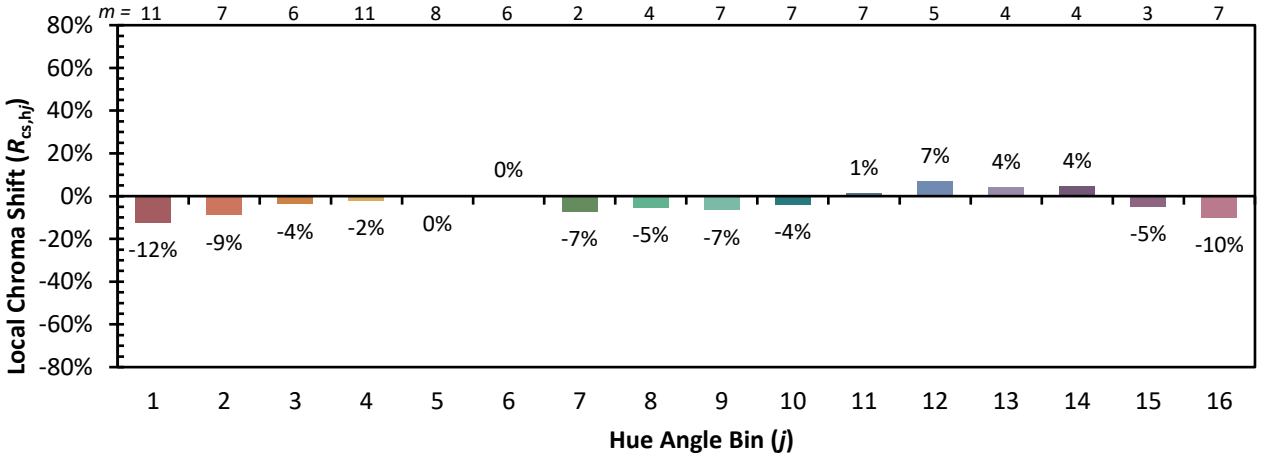
CES01 = 86	CES26 = 86	CES51 = 92	CES76 = 81
CES02 = 63	CES27 = 92	CES52 = 92	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 88	CES78 = 81
CES04 = 71	CES29 = 91	CES54 = 88	CES79 = 90
CES05 = 50	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 83	CES81 = 70
CES07 = 42	CES32 = 84	CES57 = 82	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 82	CES83 = 94
CES09 = 29	CES34 = 91	CES59 = 90	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 82	CES61 = 86	CES86 = 66
CES12 = 65	CES37 = 96	CES62 = 83	CES87 = 84
CES13 = 44	CES38 = 86	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 77	CES89 = 74
CES15 = 72	CES40 = 96	CES65 = 76	CES90 = 89
CES16 = 48	CES41 = 95	CES66 = 74	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 73	CES92 = 62
CES18 = 57	CES43 = 91	CES68 = 79	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 84	CES94 = 60
CES20 = 67	CES45 = 93	CES70 = 77	CES95 = 73
CES21 = 87	CES46 = 90	CES71 = 73	CES96 = 83
CES22 = 79	CES47 = 93	CES72 = 91	CES97 = 88
CES23 = 92	CES48 = 82	CES73 = 73	CES98 = 83
CES24 = 91	CES49 = 90	CES74 = 90	CES99 = 75
CES25 = 72	CES50 = 92	CES75 = 77	

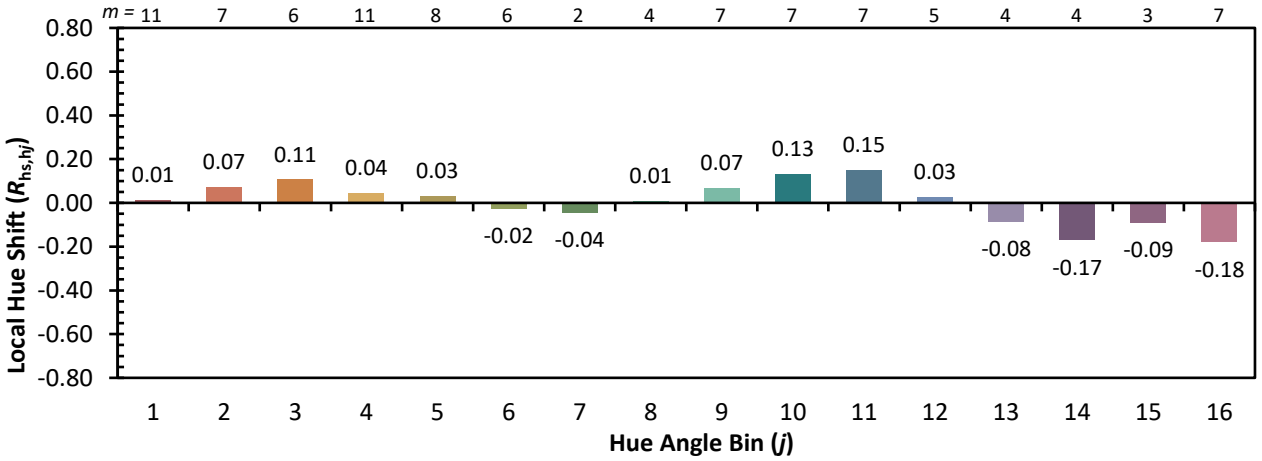


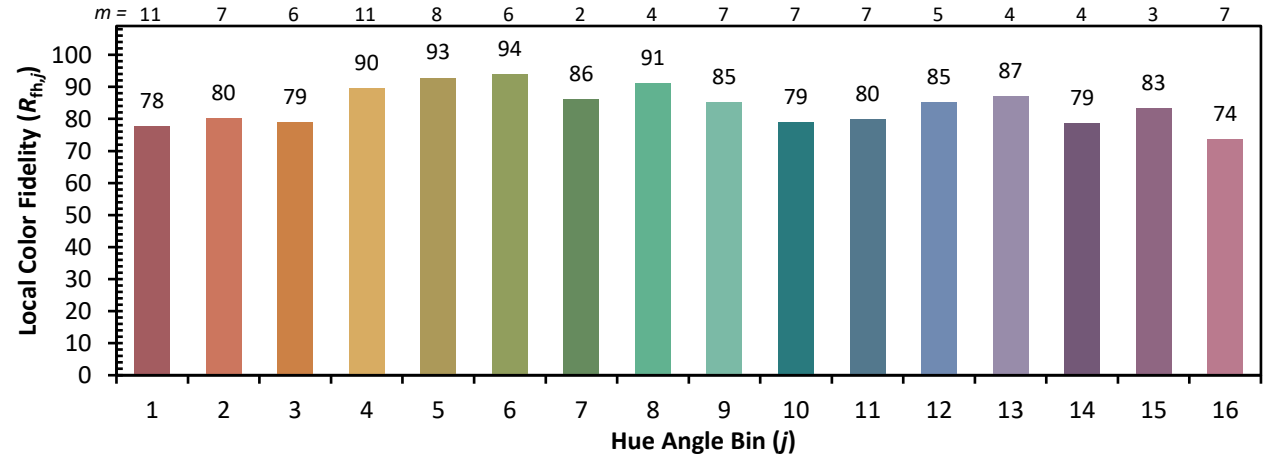
REPORT NUMBER: SP3-2602-684-1

TM-30-18

Color Rendition by Hue-Angle Bin



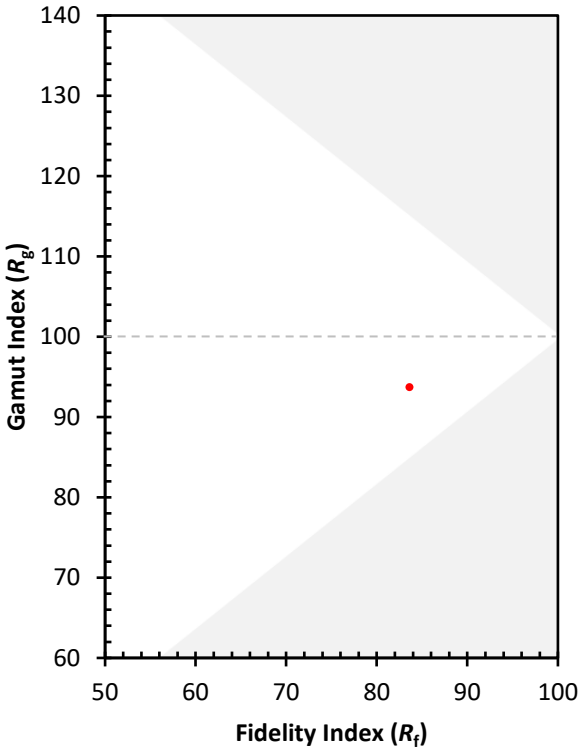


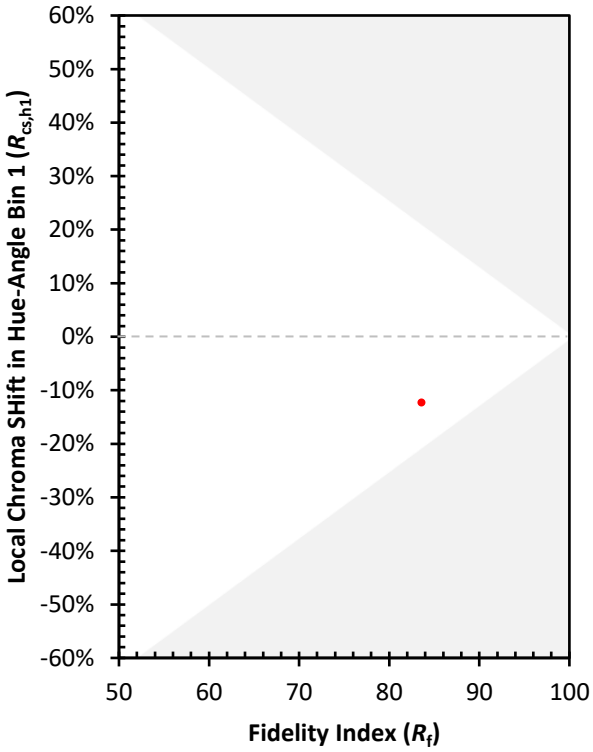


REPORT NUMBER: SP3-2602-684-1

TM-30-18

Measure Comparisons





(END OF REPORT)