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: P1594560

Luminaire Tested: FLXB-1224-M-MED-4000K

Issue Date: 10/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594560
	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-4000K
Description:	1224 FlexBay Linear High bay at M beam, MED lumen, 4000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18764.0 lumens
Efficiency:	N/A
Efficacy:	169.5 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

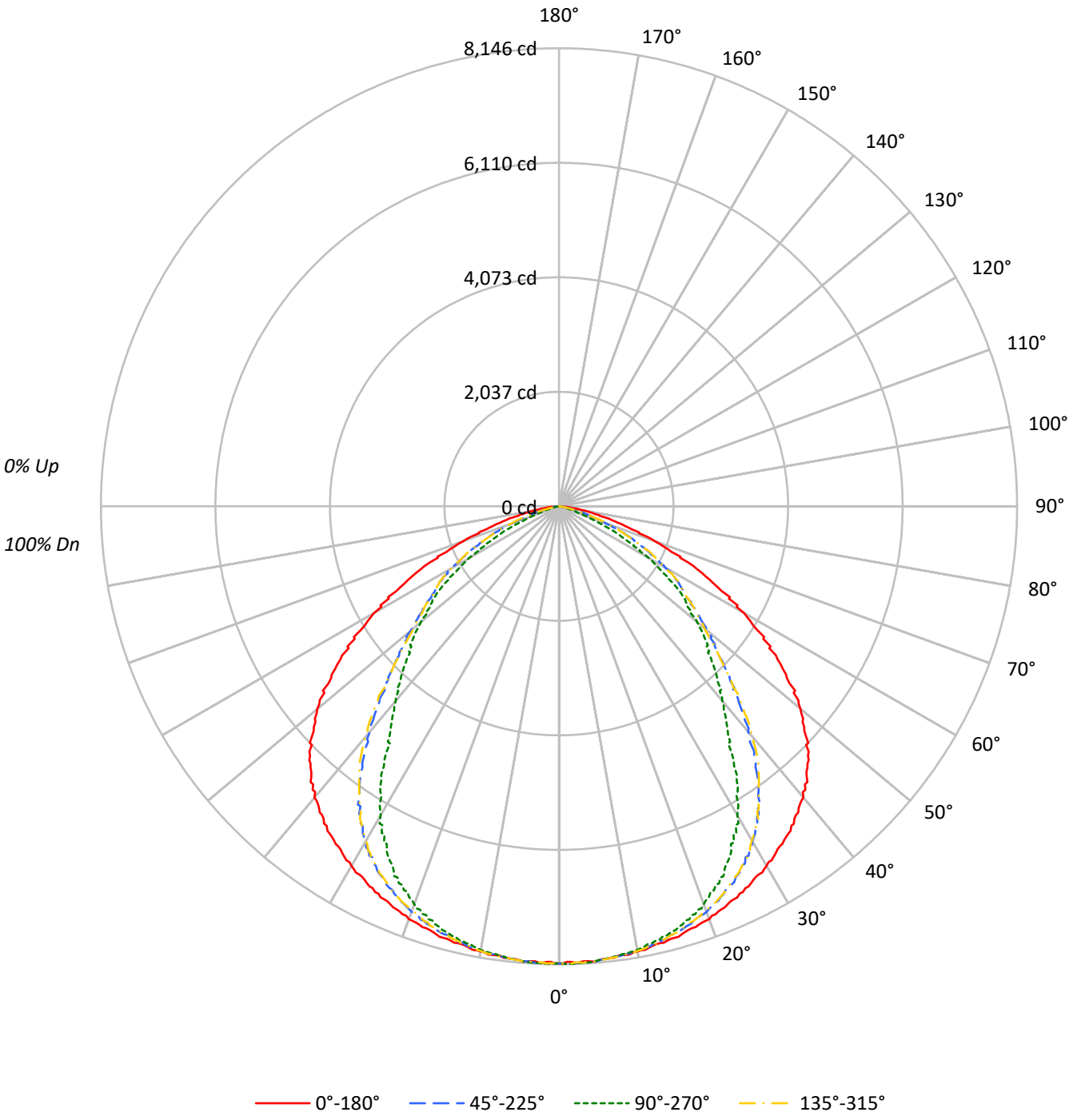
Input Watts (W):	110.7
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	70727	70727	70727	70727
5°	70807	70750	70807	70750
10°	71030	70760	71030	70760
15°	71589	70495	71589	70495
20°	72356	69704	72356	69704
25°	72949	67463	72949	67463
30°	74183	63725	74183	63725
35°	75480	56917	75480	56917
40°	76823	51289	76823	51289
45°	77075	47008	77075	47008
50°	75937	43430	75937	43430
55°	71959	39380	71959	39380
60°	66262	32169	66262	32169
65°	57688	23404	57688	23404
70°	46227	12464	46227	12464
75°	35072	6136	35072	6136
80°	23797	2856	23797	2856
85°	16923	2147	16923	2147

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45.5°
Luminance: 77273 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	771.2	4.1
10°-20°	2224.2	11.9
20°-30°	3374.5	18.0
30°-40°	3867.9	20.6
40°-50°	3505.5	18.7
50°-60°	2740.4	14.6
60°-70°	1664.9	8.9
70°-80°	544.7	2.9
80°-90°	70.6	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°	6370.0	33.9
0°-40°	10237.9	54.6
0°-60°	16483.8	87.8
0°-90°	18764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18764.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8128	8128	8128	8128	8128	
5°	8106	8100	8106	8100	8106	771
15°	7947	7825	7947	7825	7947	2245
25°	7598	7027	7598	7027	7598	3513
35°	7106	5358	7106	5358	7106	4444
45°	6263	3820	6263	3820	6263	4809
55°	4743	2596	4743	2596	4743	4225
65°	2802	1137	2802	1137	2802	2754
75°	1043	182	1043	182	1043	1120
85°	170	22	170	22	170	206
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°	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1
0.5°	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1	8128.1
1°	8104.9	8128.8	8123.9	8146.4	8123.3	8128.4	8104.9	8128.8	8123.9	8146.4	8123.3
1.5°	8104.9	8141.8	8136.9	8137.9	8134.9	8133.3	8104.9	8141.8	8136.9	8137.9	8134.9
2°	8121.9	8134.3	8136.9	8137.9	8101.9	8141.3	8121.9	8134.3	8136.9	8137.9	8101.9
2.5°	8121.9	8126.9	8131.8	8128.4	8101.9	8134.9	8121.9	8126.9	8131.8	8128.4	8101.9
3°	8102.4	8126.9	8131.8	8128.4	8124.8	8137.9	8102.4	8126.9	8131.8	8128.4	8124.8
3.5°	8102.4	8115.9	8106.9	8128.4	8109.4	8126.9	8102.4	8115.9	8106.9	8128.4	8109.4
4°	8111.4	8115.9	8106.9	8128.4	8102.9	8126.9	8111.4	8115.9	8106.9	8128.4	8102.9
4.5°	8122.4	8121.9	8115.9	8115.9	8101.9	8134.9	8122.4	8121.9	8115.9	8115.9	8101.9
5°	8106.4	8110.4	8106.4	8099.9	8107.9	8112.9	8106.4	8110.4	8106.4	8099.9	8107.9
5.5°	8090.9	8098.9	8086.9	8096.4	8096.4	8101.4	8090.9	8098.9	8086.9	8096.4	8096.4
6°	8092.4	8106.4	8089.4	8086.9	8092.9	8103.9	8092.4	8106.4	8089.4	8086.9	8092.9
6.5°	8087.4	8096.9	8089.4	8086.9	8072.9	8108.9	8087.4	8096.9	8089.4	8086.9	8072.9
7°	8087.4	8080.9	8070.4	8064.9	8058.4	8098.4	8087.4	8080.9	8070.4	8064.9	8058.4
7.5°	8061.9	8078.9	8070.4	8064.9	8064.4	8095.9	8061.9	8078.9	8070.4	8064.9	8064.4
8°	8061.9	8084.9	8042.9	8043.9	8064.4	8078.9	8061.9	8084.9	8042.9	8043.9	8064.4
8.5°	8069.4	8057.9	8042.9	8043.9	8040.9	8069.4	8069.4	8057.9	8042.9	8043.9	8040.9
9°	8069.4	8060.9	8039.9	8030.4	8033.9	8073.4	8069.4	8060.9	8039.9	8030.4	8033.9
9.5°	8038.9	8049.9	8039.9	8022.9	8033.9	8050.4	8038.9	8049.9	8039.9	8022.9	8033.9
10°	8038.9	8032.4	8000.9	8008.4	8021.4	8031.9	8038.9	8032.4	8000.9	8008.4	8021.4
10.5°	8033.4	8033.9	8000.9	7994.9	8005.4	8035.4	8033.4	8033.9	8000.9	7994.9	8005.4
11°	8033.4	8025.4	7995.9	7974.4	7978.4	8040.4	8033.4	8025.4	7995.9	7974.4	7978.4
11.5°	8011.9	8004.9	7978.4	7943.9	7959.4	8013.4	8011.9	8004.9	7978.4	7943.9	7959.4
12°	7990.4	7995.9	7953.9	7943.9	7947.4	7995.9	7990.4	7995.9	7953.9	7943.9	7947.4
12.5°	7977.4	7974.9	7925.4	7916.4	7946.9	7993.9	7977.4	7974.9	7925.4	7916.4	7946.9
13°	7974.4	7974.9	7925.4	7916.4	7894.9	7981.9	7974.4	7974.9	7925.4	7916.4	7894.9
13.5°	7981.9	7957.4	7899.4	7872.9	7894.9	7965.4	7981.9	7957.4	7899.4	7872.9	7894.9
14°	7959.4	7946.4	7899.4	7872.9	7876.9	7949.9	7959.4	7946.4	7899.4	7872.9	7876.9
14.5°	7943.9	7923.4	7833.4	7843.9	7848.4	7925.4	7943.9	7923.4	7833.4	7843.9	7848.4
15°	7946.9	7918.9	7834.9	7825.4	7831.9	7912.9	7946.9	7918.9	7834.9	7825.4	7831.9
15.5°	7946.9	7909.4	7827.9	7806.4	7802.4	7916.9	7946.9	7909.4	7827.9	7806.4	7802.4
16°	7917.4	7885.4	7811.4	7771.0	7781.4	7883.9	7917.4	7885.4	7811.4	7771.0	7781.4
16.5°	7895.9	7867.9	7775.0	7750.0	7759.5	7861.9	7895.9	7867.9	7775.0	7750.0	7759.5
17°	7877.9	7864.9	7737.0	7702.5	7754.0	7857.9	7877.9	7864.9	7737.0	7702.5	7754.0
17.5°	7865.9	7839.9	7737.0	7702.5	7685.5	7836.4	7865.9	7839.9	7737.0	7702.5	7685.5
18°	7866.9	7811.9	7692.0	7644.0	7685.5	7817.4	7866.9	7811.9	7692.0	7644.0	7685.5
18.5°	7841.9	7811.9	7692.0	7644.0	7653.0	7790.4	7841.9	7811.9	7692.0	7644.0	7653.0
19°	7827.4	7771.0	7628.5	7585.5	7653.0	7762.4	7827.4	7771.0	7628.5	7585.5	7653.0
19.5°	7819.9	7761.0	7628.5	7585.5	7584.5	7748.9	7819.9	7761.0	7628.5	7585.5	7584.5
20°	7813.9	7750.0	7595.5	7527.5	7545.0	7744.0	7813.9	7750.0	7595.5	7527.5	7545.0
20.5°	7769.9	7718.5	7562.5	7475.0	7529.5	7716.5	7769.9	7718.5	7562.5	7475.0	7529.5
21°	7769.9	7696.0	7517.0	7444.5	7496.0	7694.5	7769.9	7696.0	7517.0	7444.5	7496.0
21.5°	7741.5	7686.5	7470.5	7364.6	7479.5	7673.5	7741.5	7686.5	7470.5	7364.6	7479.5
22°	7726.0	7659.5	7470.5	7364.6	7427.5	7659.5	7726.0	7659.5	7470.5	7364.6	7427.5

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	7717.0	7630.5	7404.0	*7285.1*	7396.1	7628.0	7717.0	7630.5	7404.0	7285.1	7396.1
23°	7686.0	7617.0	7362.1	*7285.1*	7349.6	7612.5	7686.0	7617.0	7362.1	7285.1	7349.6
23.5°	7657.0	7551.5	7318.1	*7198.1*	7349.6	7555.5	7657.0	7551.5	7318.1	7198.1	7349.6
24°	7648.0	7530.5	7318.1	*7198.1*	7265.1	7532.5	7648.0	7530.5	7318.1	7198.1	7265.1
24.5°	7646.0	7530.5	7252.1	*7093.6*	7213.1	7520.5	7646.0	7530.5	7252.1	7093.6	7213.1
25°	7598.0	7495.0	7252.1	*7026.6*	7182.6	7476.0	7598.0	7495.0	7252.1	7026.6	7182.6
25.5°	7598.0	7464.0	7145.6	*6983.2*	7132.1	7451.5	7598.0	7464.0	7145.6	6983.2	7132.1
26°	7555.5	7450.5	7106.6	*6928.2*	7102.1	7432.5	7555.5	7450.5	7106.6	6928.2	7102.1
26.5°	7555.5	7419.0	7068.1	*6864.7*	7032.7	7411.5	7555.5	7419.0	7068.1	6864.7	7032.7
27°	7522.5	7381.6	6962.2	*6739.2*	6977.7	7364.6	7522.5	7381.6	6962.2	6739.2	6977.7
27.5°	7489.0	7357.6	6962.2	*6739.2*	6900.2	7343.1	7489.0	7357.6	6962.2	6739.2	6900.2
28°	7462.5	7288.6	6847.7	*6609.7*	6900.2	7314.1	7462.5	7288.6	6847.7	6609.7	6900.2
28.5°	7450.0	7288.6	6847.7	*6609.7*	6770.2	7279.1	7450.0	7288.6	6847.7	6609.7	6770.2
29°	7447.0	7233.6	6743.2	*6480.3*	6770.2	7223.6	7447.0	7233.6	6743.2	6480.3	6770.2
29.5°	7412.5	7194.1	6743.2	*6480.3*	6658.7	7173.6	7412.5	7194.1	6743.2	6480.3	6658.7
30°	7383.1	7145.6	6601.2	*6342.3*	6582.8	7132.1	7383.1	7145.6	6601.2	6342.3	6582.8
30.5°	7344.6	7120.6	6534.8	*6263.9*	6523.3	7097.6	7344.6	7120.6	6534.8	6263.9	6523.3
31°	7344.6	7074.6	6475.3	*6192.9*	6433.8	7079.6	7344.6	7074.6	6475.3	6192.9	6433.8
31.5°	7308.6	7028.1	6322.8	*6043.4*	6358.8	7029.1	7308.6	7028.1	6322.8	6043.4	6358.8
32°	7271.1	6980.2	6322.8	*5990.4*	6285.8	6992.2	7271.1	6980.2	6322.8	5990.4	6285.8
32.5°	7233.6	6949.7	6159.4	*5916.4*	6229.9	6949.7	7233.6	6949.7	6159.4	5916.4	6229.9
33°	7207.6	6885.2	6159.4	*5794.5*	6050.4	6903.2	7207.6	6885.2	6159.4	5794.5	6050.4
33.5°	7199.6	6790.7	6004.9	*5726.0*	6050.4	6829.2	7199.6	6790.7	6004.9	5726.0	6050.4
34°	7159.1	6790.7	6004.9	*5564.0*	5904.4	6769.2	7159.1	6790.7	6004.9	5564.0	5904.4
34.5°	7129.1	6669.2	5825.0	*5485.6*	5810.0	6713.7	7129.1	6669.2	5825.0	5485.6	5810.0
35°	7105.6	6631.3	5739.5	*5358.1*	5727.5	6668.2	7105.6	6631.3	5739.5	5358.1	5727.5
35.5°	7089.1	6549.8	5667.5	*5180.6*	5622.5	6621.3	7089.1	6549.8	5667.5	5180.6	5622.5
36°	7024.6	6490.8	5553.0	*5180.6*	5535.0	6551.3	7024.6	6490.8	5553.0	5180.6	5535.0
36.5°	7024.6	6398.8	5448.6	*5052.7*	5450.1	6494.3	7024.6	6398.8	5448.6	5052.7	5450.1
37°	6955.2	6359.8	5249.6	*4982.7*	5354.6	6440.3	6955.2	6359.8	5249.6	4982.7	5354.6
37.5°	6922.2	6248.4	5249.6	*4903.2*	5305.6	6374.8	6922.2	6248.4	5249.6	4903.2	5305.6
38°	6907.2	6191.9	5071.2	*4824.2*	5196.6	6297.3	6907.2	6191.9	5071.2	4824.2	5196.6
38.5°	6851.7	6080.9	5071.2	*4750.7*	5069.2	6223.8	6851.7	6080.9	5071.2	4750.7	5069.2
39°	6813.2	5892.9	4888.2	*4658.3*	5069.2	6051.9	6813.2	5892.9	4888.2	4658.3	5069.2
39.5°	6778.7	5839.0	4888.2	*4609.3*	4898.7	5971.9	6778.7	5839.0	4888.2	4609.3	4898.7
40°	6763.2	5706.0	4756.7	*4515.3*	4835.7	5889.9	6763.2	5706.0	4756.7	4515.3	4835.7
40.5°	6679.2	5629.0	4756.7	*4459.3*	4715.3	5785.0	6679.2	5629.0	4756.7	4459.3	4715.3
41°	6679.2	5482.6	4580.3	*4351.9*	4652.3	5675.0	6679.2	5482.6	4580.3	4351.9	4652.3
41.5°	6601.2	5417.1	4482.8	*4351.9*	4547.3	5572.5	6601.2	5417.1	4482.8	4351.9	4547.3
42°	6601.2	5263.6	4416.8	*4231.4*	4378.8	5453.6	6601.2	5263.6	4416.8	4231.4	4378.8
42.5°	6520.3	5176.6	4290.4	*4171.4*	4378.8	5328.6	6520.3	5176.6	4290.4	4171.4	4378.8
43°	6454.3	5042.2	4290.4	*4110.4*	4244.4	5202.6	6454.3	5042.2	4290.4	4110.4	4244.4
43.5°	6415.3	4824.7	4167.9	*4029.9*	4244.4	5074.7	6415.3	4824.7	4167.9	4029.9	4244.4
44°	6360.8	4824.7	4167.9	*3967.9*	4097.4	4815.7	6360.8	4824.7	4167.9	3967.9	4097.4
44.5°	6333.3	4626.3	4059.4	*3880.5*	4097.4	4684.3	6333.3	4626.3	4059.4	3880.5	4097.4

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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	6263.3	4505.3	4059.4	3820.0	3974.9	4558.3	6263.3	4505.3	4059.4	3820.0	3974.9
45.5°	6224.4	4413.3	3927.5	3711.0	3905.5	4408.8	6224.4	4413.3	3927.5	3711.0	3905.5
46°	6111.4	4301.4	3876.5	3711.0	3856.5	4308.9	6111.4	4301.4	3876.5	3711.0	3856.5
46.5°	6111.4	4220.4	3808.0	3619.5	3775.0	4171.9	6111.4	4220.4	3808.0	3619.5	3775.0
47°	6006.9	4092.9	3677.0	3619.5	3717.0	4076.4	6006.9	4092.9	3677.0	3619.5	3717.0
47.5°	5920.4	4028.4	3677.0	3544.1	3649.5	3953.5	5920.4	4028.4	3677.0	3544.1	3649.5
48°	5862.5	3908.5	3554.6	3477.1	3603.0	3874.0	5862.5	3908.5	3554.6	3477.1	3603.0
48.5°	5785.5	3843.5	3554.6	3424.6	3480.1	3763.5	5785.5	3843.5	3554.6	3424.6	3480.1
49°	5753.5	3683.5	3454.1	3353.6	3480.1	3602.0	5753.5	3683.5	3454.1	3353.6	3480.1
49.5°	5665.5	3683.5	3454.1	3275.1	3362.1	3529.1	5665.5	3683.5	3454.1	3275.1	3362.1
50°	5609.5	3527.6	3325.1	3208.2	3300.1	3447.1	5609.5	3527.6	3325.1	3208.2	3300.1
50.5°	5524.5	3444.1	3325.1	3140.2	3257.1	3390.1	5524.5	3444.1	3325.1	3140.2	3257.1
51°	5471.1	3392.6	3193.7	2997.2	3187.2	3320.1	5471.1	3392.6	3193.7	2997.2	3187.2
51.5°	5329.6	3301.6	3130.7	2997.2	3123.7	3262.6	5329.6	3301.6	3130.7	2997.2	3123.7
52°	5329.6	3251.6	3065.7	2896.2	2991.7	3201.7	5329.6	3251.6	3065.7	2896.2	2991.7
52.5°	5163.6	3181.2	2937.2	2883.2	2930.7	3146.2	5163.6	3181.2	2937.2	2883.2	2930.7
53°	5076.2	3124.2	2937.2	2821.7	2930.7	3087.2	5076.2	3124.2	2937.2	2821.7	2930.7
53.5°	5023.2	3010.2	2809.8	2798.8	2864.7	3032.2	5023.2	3010.2	2809.8	2798.8	2864.7
54°	4921.2	3010.2	2809.8	2718.3	2745.3	2985.7	4921.2	3010.2	2809.8	2718.3	2745.3
54.5°	4846.2	2893.7	2680.8	2672.8	2745.3	2878.7	4846.2	2893.7	2680.8	2672.8	2745.3
55°	4743.3	2837.2	2680.8	2595.8	2623.8	2832.7	4743.3	2837.2	2680.8	2595.8	2623.8
55.5°	4682.3	2790.8	2572.8	2521.8	2601.3	2733.3	4682.3	2790.8	2572.8	2521.8	2601.3
56°	4513.3	2729.8	2572.8	2442.8	2542.8	2733.3	4513.3	2729.8	2572.8	2442.8	2542.8
56.5°	4513.3	2686.3	2520.8	2317.4	2522.8	2689.3	4513.3	2686.3	2520.8	2317.4	2522.8
57°	4328.4	2637.3	2474.4	2317.4	2499.8	2636.3	4328.4	2637.3	2474.4	2317.4	2499.8
57.5°	4328.4	2582.3	2461.3	2181.9	2454.9	2590.3	4328.4	2582.3	2461.3	2181.9	2454.9
58°	4156.4	2530.8	2349.4	2125.4	2434.4	2536.8	4156.4	2530.8	2349.4	2125.4	2434.4
58.5°	4051.9	2482.9	2349.4	2056.0	2313.4	2493.8	4051.9	2482.9	2349.4	2056.0	2313.4
59°	3968.5	2390.4	2211.4	1985.0	2313.4	2390.4	3968.5	2390.4	2211.4	1985.0	2313.4
59.5°	3879.5	2390.4	2211.4	1920.5	2140.9	2339.9	3879.5	2390.4	2211.4	1920.5	2140.9
60°	3807.5	2294.4	2057.0	1848.5	2140.9	2296.4	3807.5	2294.4	2057.0	1848.5	2140.9
60.5°	3629.1	2241.4	2057.0	1772.0	1989.0	2241.9	3629.1	2241.4	2057.0	1772.0	1989.0
61°	3629.1	2175.9	1912.5	1635.1	1926.0	2192.9	3629.1	2175.9	1912.5	1635.1	1926.0
61.5°	3440.1	2131.4	1850.0	1635.1	1856.0	2140.4	3440.1	2131.4	1850.0	1635.1	1856.0
62°	3440.1	2069.5	1784.0	1499.1	1789.5	2093.4	3440.1	2069.5	1784.0	1499.1	1789.5
62.5°	3256.1	2019.5	1654.1	1499.1	1720.5	2043.5	3256.1	2019.5	1654.1	1499.1	1720.5
63°	3164.2	1962.5	1654.1	1373.1	1665.1	1997.0	3164.2	1962.5	1654.1	1373.1	1665.1
63.5°	3060.7	1914.0	1573.6	1314.7	1605.1	1947.5	3060.7	1914.0	1573.6	1314.7	1605.1
64°	2980.2	1860.0	1505.6	1250.7	1461.6	1890.5	2980.2	1860.0	1505.6	1250.7	1461.6
64.5°	2885.7	1782.5	1375.6	1198.7	1461.6	1792.0	2885.7	1782.5	1375.6	1198.7	1461.6
65°	2801.8	1740.5	1375.6	1136.7	1320.2	1740.5	2801.8	1740.5	1375.6	1136.7	1320.2
65.5°	2701.3	1694.1	1236.2	1086.2	1258.2	1676.6	2701.3	1694.1	1236.2	1086.2	1258.2
66°	2617.8	1661.1	1236.2	1021.7	1186.7	1628.1	2617.8	1661.1	1236.2	1021.7	1186.7
66.5°	2514.8	1628.1	1115.7	880.8	1115.2	1573.6	2514.8	1628.1	1115.7	880.8	1115.2
67°	2338.9	1568.6	1056.2	880.8	1043.2	1517.1	2338.9	1568.6	1056.2	880.8	1043.2

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

Scaled Data Report

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	2338.9	1502.6	992.7	749.8	978.7	1463.6	2338.9	1502.6	992.7	749.8	978.7
68°	2155.4	1452.6	864.8	676.3	923.8	1413.1	2155.4	1452.6	864.8	676.3	923.8
68.5°	2081.5	1389.1	864.8	647.3	864.8	1369.1	2081.5	1389.1	864.8	647.3	864.8
69°	1986.5	1265.7	742.8	578.3	801.3	1323.1	1986.5	1265.7	742.8	578.3	801.3
69.5°	1918.0	1265.7	742.8	544.9	687.3	1277.7	1918.0	1265.7	742.8	544.9	687.3
70°	1817.0	1146.7	623.8	489.9	687.3	1193.2	1817.0	1146.7	623.8	489.9	687.3
70.5°	1750.5	1089.7	623.8	452.4	591.3	1148.2	1750.5	1089.7	623.8	452.4	591.3
71°	1654.1	1039.2	499.4	405.9	591.3	1098.7	1654.1	1039.2	499.4	405.9	591.3
71.5°	1497.6	983.7	433.9	378.4	507.4	1044.2	1497.6	983.7	433.9	378.4	507.4
72°	1497.6	940.8	392.9	328.4	482.9	977.7	1497.6	940.8	392.9	328.4	482.9
72.5°	1346.6	898.3	348.4	328.4	414.4	931.3	1346.6	898.3	348.4	328.4	414.4
73°	1298.1	854.8	322.9	290.9	388.4	789.8	1298.1	854.8	322.9	290.9	388.4
73.5°	1216.2	810.3	274.9	253.9	321.9	789.8	1216.2	810.3	274.9	253.9	321.9
74°	1168.7	774.8	274.9	240.4	249.9	719.3	1168.7	774.8	274.9	240.4	249.9
74.5°	1079.7	684.8	202.4	195.4	249.9	664.3	1079.7	684.8	202.4	195.4	249.9
75°	1043.2	684.8	202.4	182.5	213.4	560.9	1043.2	684.8	202.4	182.5	213.4
75.5°	957.2	601.3	185.4	144.0	213.4	514.9	957.2	601.3	185.4	144.0	213.4
76°	926.2	536.9	185.4	136.5	178.0	469.9	926.2	536.9	185.4	136.5	178.0
76.5°	846.3	515.9	156.5	116.5	166.5	425.9	846.3	515.9	156.5	116.5	166.5
77°	738.3	444.9	144.5	116.5	148.5	383.4	738.3	444.9	144.5	116.5	148.5
77.5°	738.3	433.4	131.5	101.0	138.0	343.9	738.3	433.4	131.5	101.0	138.0
78°	646.3	373.9	103.5	101.0	120.0	300.9	646.3	373.9	103.5	101.0	120.0
78.5°	631.8	361.4	103.5	85.0	114.0	268.9	631.8	361.4	103.5	85.0	114.0
79°	554.9	310.4	78.0	73.5	102.5	231.9	554.9	310.4	78.0	73.5	102.5
79.5°	543.9	300.4	78.0	69.5	85.0	195.0	543.9	300.4	78.0	69.5	85.0
80°	474.9	247.9	62.5	57.0	85.0	143.0	474.9	247.9	62.5	57.0	85.0
80.5°	467.4	204.9	62.5	53.5	64.5	127.5	467.4	204.9	62.5	53.5	64.5
81°	402.9	198.4	55.0	47.0	61.0	113.0	402.9	198.4	55.0	47.0	61.0
81.5°	332.9	156.5	55.0	45.0	51.0	99.5	332.9	156.5	55.0	45.0	51.0
82°	332.9	151.0	45.0	38.0	48.5	88.0	332.9	151.0	45.0	38.0	48.5
82.5°	272.9	112.0	40.0	38.0	43.5	79.0	272.9	112.0	40.0	38.0	43.5
83°	272.9	108.0	35.0	31.0	40.5	67.5	272.9	108.0	35.0	31.0	40.5
83.5°	216.9	81.0	28.5	26.0	35.5	58.0	216.9	81.0	28.5	26.0	35.5
84°	213.4	77.5	28.5	25.5	30.5	48.5	213.4	77.5	28.5	25.5	30.5
84.5°	169.5	60.5	23.5	22.0	24.5	42.0	169.5	60.5	23.5	22.0	24.5
85°	169.5	60.5	23.5	21.5	18.5	35.5	169.5	60.5	23.5	21.5	18.5
85.5°	131.0	45.0	13.5	18.5	18.5	24.5	131.0	45.0	13.5	18.5	18.5
86°	131.0	36.0	13.5	17.0	16.0	20.0	131.0	36.0	13.5	17.0	16.0
86.5°	97.5	36.0	8.0	15.0	14.5	15.0	97.5	36.0	8.0	15.0	14.5
87°	72.5	27.0	7.5	13.5	10.0	10.5	72.5	27.0	7.5	13.5	10.0
87.5°	72.5	20.0	7.0	8.0	9.0	7.0	72.5	20.0	7.0	8.0	9.0
88°	53.0	20.0	6.0	8.0	5.0	6.0	53.0	20.0	6.0	8.0	5.0
88.5°	53.0	20.0	5.0	5.0	5.0	4.0	53.0	20.0	5.0	5.0	5.0
89°	38.5	14.5	2.5	4.5	4.0	2.5	38.5	14.5	2.5	4.5	4.0
89.5°	38.5	14.5	2.5	4.5	3.0	2.0	38.5	14.5	2.5	4.5	3.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	20.0	5.5	2.0	*2.0*	1.5	1.5	20.0	5.5	2.0	2.0	1.5

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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	8128.1	8128.1
0.5°	8128.1	8128.1
1°	*8128.4*	*8104.9*
1.5°	8133.3	8104.9
2°	8141.3	8121.9
2.5°	8134.9	8121.9
3°	8137.9	8102.4
3.5°	8126.9	8102.4
4°	8126.9	8111.4
4.5°	8134.9	8122.4
5°	8112.9	8106.4
5.5°	8101.4	8090.9
6°	8103.9	8092.4
6.5°	8108.9	8087.4
7°	8098.4	8087.4
7.5°	8095.9	8061.9
8°	8078.9	8061.9
8.5°	8069.4	8069.4
9°	8073.4	8069.4
9.5°	8050.4	8038.9
10°	8031.9	8038.9
10.5°	8035.4	8033.4
11°	8040.4	8033.4
11.5°	8013.4	8011.9
12°	7995.9	7990.4
12.5°	7993.9	7977.4
13°	7981.9	7974.4
13.5°	7965.4	7981.9
14°	7949.9	7959.4
14.5°	7925.4	7943.9
15°	7912.9	7946.9
15.5°	7916.9	7946.9
16°	7883.9	7917.4
16.5°	7861.9	7895.9
17°	7857.9	7877.9
17.5°	7836.4	7865.9
18°	7817.4	7866.9
18.5°	7790.4	7841.9
19°	7762.4	7827.4
19.5°	7748.9	7819.9
20°	7744.0	7813.9
20.5°	7716.5	7769.9
21°	7694.5	7769.9
21.5°	7673.5	7741.5
22°	7659.5	7726.0

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TEST NUMBER: P1594560
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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	7628.0	7717.0
23°	7612.5	7686.0
23.5°	7555.5	7657.0
24°	7532.5	7648.0
24.5°	7520.5	7646.0
25°	7476.0	7598.0
25.5°	7451.5	7598.0
26°	7432.5	7555.5
26.5°	7411.5	7555.5
27°	7364.6	7522.5
27.5°	7343.1	7489.0
28°	7314.1	7462.5
28.5°	7279.1	7450.0
29°	7223.6	7447.0
29.5°	7173.6	7412.5
30°	7132.1	7383.1
30.5°	7097.6	7344.6
31°	7079.6	7344.6
31.5°	7029.1	7308.6
32°	6992.2	7271.1
32.5°	6949.7	7233.6
33°	6903.2	7207.6
33.5°	6829.2	7199.6
34°	6769.2	7159.1
34.5°	6713.7	7129.1
35°	6668.2	7105.6
35.5°	6621.3	7089.1
36°	6551.3	7024.6
36.5°	6494.3	7024.6
37°	6440.3	6955.2
37.5°	6374.8	6922.2
38°	6297.3	6907.2
38.5°	6223.8	6851.7
39°	6051.9	6813.2
39.5°	5971.9	6778.7
40°	5889.9	6763.2
40.5°	5785.0	6679.2
41°	5675.0	6679.2
41.5°	5572.5	6601.2
42°	5453.6	6601.2
42.5°	5328.6	6520.3
43°	5202.6	6454.3
43.5°	5074.7	6415.3
44°	4815.7	6360.8
44.5°	4684.3	6333.3

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4558.3	6263.3
45.5°	4408.8	6224.4
46°	4308.9	6111.4
46.5°	4171.9	6111.4
47°	4076.4	6006.9
47.5°	3953.5	5920.4
48°	3874.0	5862.5
48.5°	3763.5	5785.5
49°	3602.0	5753.5
49.5°	3529.1	5665.5
50°	3447.1	5609.5
50.5°	3390.1	5524.5
51°	3320.1	5471.1
51.5°	3262.6	5329.6
52°	3201.7	5329.6
52.5°	3146.2	5163.6
53°	3087.2	5076.2
53.5°	3032.2	5023.2
54°	2985.7	4921.2
54.5°	2878.7	4846.2
55°	2832.7	4743.3
55.5°	2733.3	4682.3
56°	2733.3	4513.3
56.5°	2689.3	4513.3
57°	2636.3	4328.4
57.5°	2590.3	4328.4
58°	2536.8	4156.4
58.5°	2493.8	4051.9
59°	2390.4	3968.5
59.5°	2339.9	3879.5
60°	2296.4	3807.5
60.5°	2241.9	3629.1
61°	2192.9	3629.1
61.5°	2140.4	3440.1
62°	2093.4	3440.1
62.5°	2043.5	3256.1
63°	1997.0	3164.2
63.5°	1947.5	3060.7
64°	1890.5	2980.2
64.5°	1792.0	2885.7
65°	1740.5	2801.8
65.5°	1676.6	2701.3
66°	1628.1	2617.8
66.5°	1573.6	2514.8
67°	1517.1	2338.9

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TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	1463.6	2338.9
68°	1413.1	2155.4
68.5°	1369.1	2081.5
69°	1323.1	1986.5
69.5°	1277.7	1918.0
70°	1193.2	1817.0
70.5°	1148.2	1750.5
71°	1098.7	1654.1
71.5°	1044.2	1497.6
72°	977.7	1497.6
72.5°	931.3	1346.6
73°	789.8	1298.1
73.5°	789.8	1216.2
74°	719.3	1168.7
74.5°	664.3	1079.7
75°	560.9	1043.2
75.5°	514.9	957.2
76°	469.9	926.2
76.5°	425.9	846.3
77°	383.4	738.3
77.5°	343.9	738.3
78°	300.9	646.3
78.5°	268.9	631.8
79°	231.9	554.9
79.5°	195.0	543.9
80°	143.0	474.9
80.5°	127.5	467.4
81°	113.0	402.9
81.5°	99.5	332.9
82°	88.0	332.9
82.5°	79.0	272.9
83°	67.5	272.9
83.5°	58.0	216.9
84°	48.5	213.4
84.5°	42.0	169.5
85°	35.5	169.5
85.5°	24.5	131.0
86°	20.0	131.0
86.5°	15.0	97.5
87°	10.5	72.5
87.5°	7.0	72.5
88°	6.0	53.0
88.5°	4.0	53.0
89°	2.5	38.5
89.5°	2.0	38.5

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1.5	20.0

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

Scaled Data Report

TEST NUMBER: P1594560
CATALOG NUMBER: FLXB-1224-M-MED-4000K

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	26.3	27.8	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	24.5	25.8	24.8	26.1	26.5
	4H	28.2	29.4	28.6	29.8	30.1	24.5	25.7	24.9	26.1	26.4
	6H	28.4	29.5	28.8	29.9	30.3	24.4	25.6	24.8	25.9	26.3
	8H	28.4	29.5	28.8	29.9	30.3	24.4	25.5	24.8	25.9	26.3
	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	28.1	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	26.4	26.8
	6H	28.8	29.6	29.2	30.0	30.5	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	26.1	26.5
8H	4H	28.5	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	26.7
	8H	28.7	29.3	29.3	29.8	30.3	25.0	25.6	25.6	26.1	26.6
	12H	28.8	29.3	29.3	29.8	30.3	25.0	25.5	25.5	26.0	26.5
12H	4H	28.4	29.1	28.9	29.6	30.0	25.1	25.8	25.6	26.3	26.7
	6H	28.7	29.2	29.2	29.7	30.2	25.1	25.6	25.6	26.1	26.6
	8H	28.7	29.2	29.2	29.7	30.3	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: SP3-2602-684-3

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-4000K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

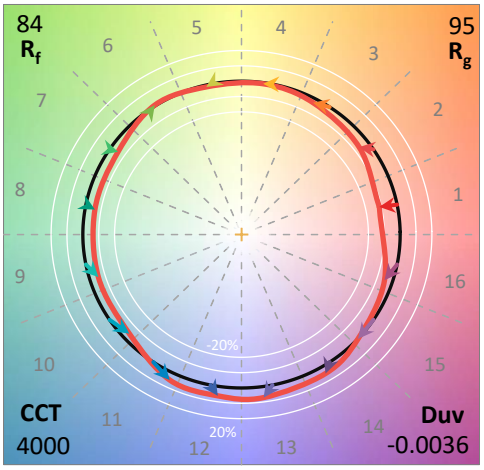
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-3
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-4000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 4000K CCT settings

Spectral Parameters

CCT (K):	4000
CIE u':	0.2271
CIE v':	0.4972
Duv:	-0.0036
CIE x:	0.3780
CIE y:	0.3677
CIE z:	0.2543
Peak Wavelength (nm):	454
Dominant Wavelength (nm):	581
Purity:	23.78071
Rf:	83.8
Rg:	95.3

CRI (Ra):	84.8
R1:	84.5
R2:	92.5
R3:	95.4
R4:	82.5
R5:	84.0
R6:	87.9
R7:	85.2
R8:	66.3
R9:	16.8
R10:	80.6
R11:	81.5
R12:	62.9
R13:	87.1
R14:	98.1
R15:	79.5



Test Conditions

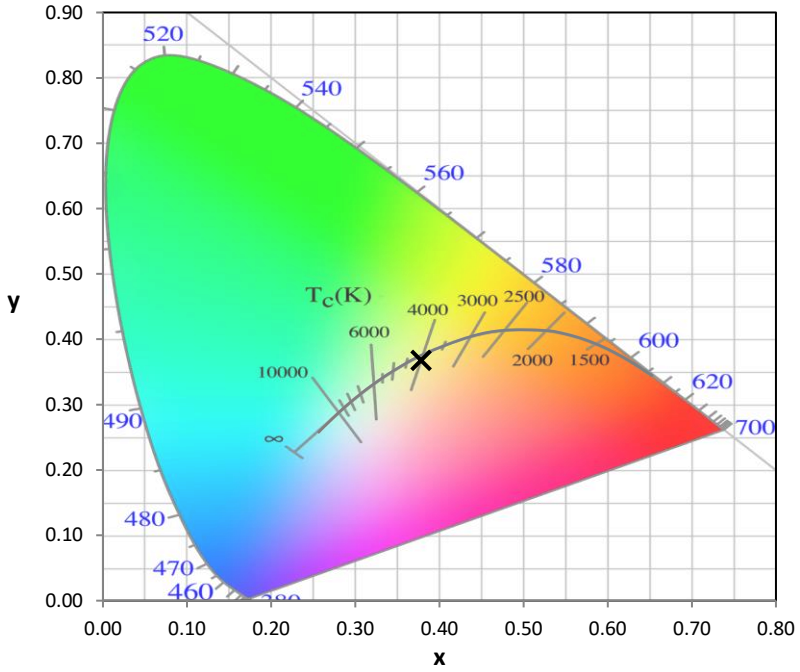
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-3

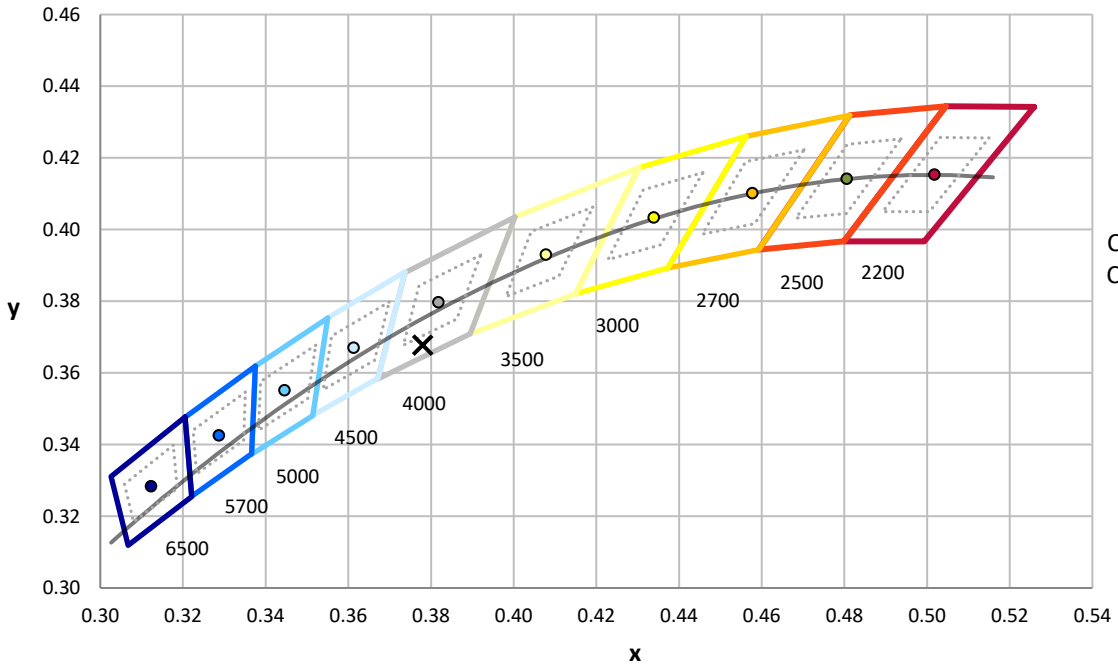
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-3

CIE 1931 Chromaticity Diagram



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

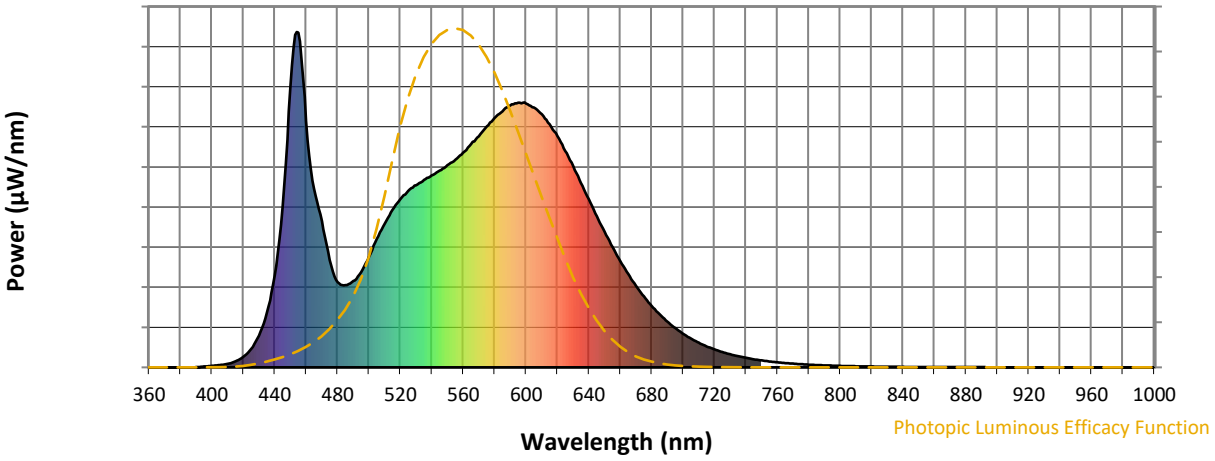


CCT = 4000K
CIE x = 0.3780
CIE y = 0.3677
Duv = -0.0036

Point lies inside the ANSI 4000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-3

Photopic Flux vs. Wavelength

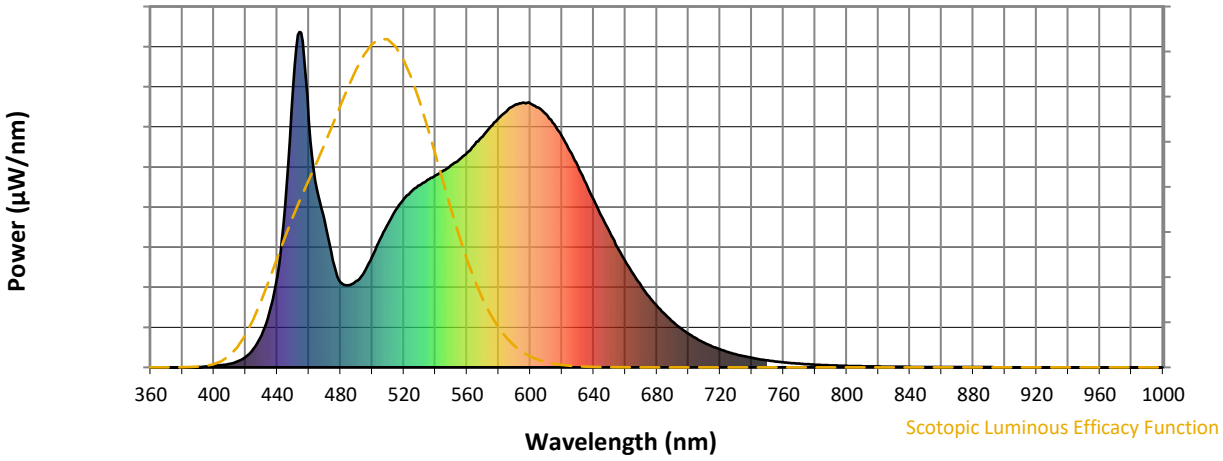


Photopic Lumens: NR

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	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-3

Scotopic Flux vs. Wavelength

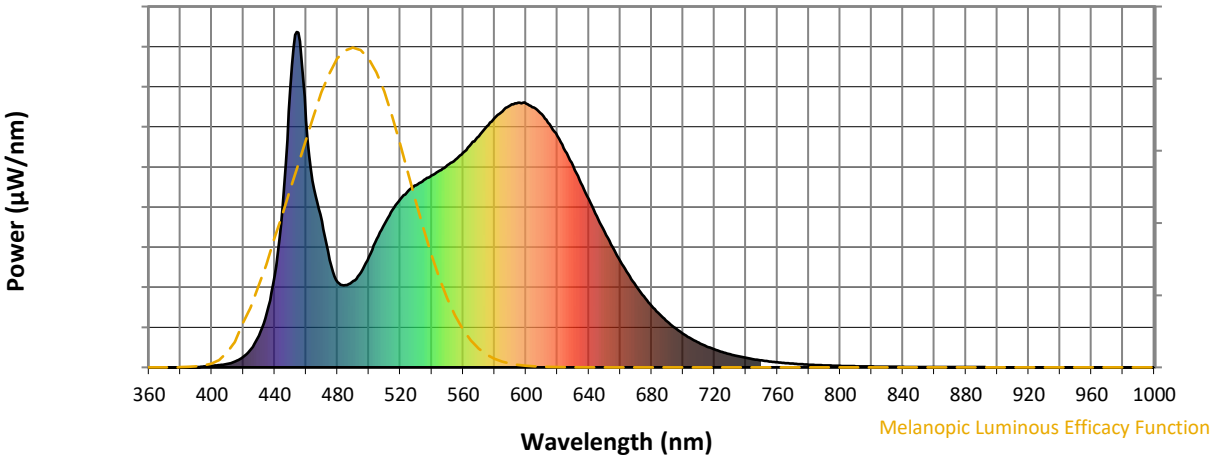


Scotopic Lumens: NR **S/P: 1.73**

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	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.62**

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	258	NR	620	689	NR	750	21	NR	880	1	NR
365	0	NR	495	283	NR	625	645	NR	755	18	NR	885	1	NR
370	0	NR	500	331	NR	630	600	NR	760	15	NR	890	1	NR
375	0	NR	505	383	NR	635	550	NR	765	13	NR	895	0	NR
380	0	NR	510	428	NR	640	501	NR	770	11	NR	900	0	NR
385	0	NR	515	469	NR	645	450	NR	775	9	NR	905	0	NR
390	1	NR	520	502	NR	650	404	NR	780	8	NR	910	0	NR
395	3	NR	525	526	NR	655	359	NR	785	7	NR	915	0	NR
400	4	NR	530	543	NR	660	317	NR	790	6	NR	920	0	NR
405	7	NR	535	559	NR	665	278	NR	795	5	NR	925	0	NR
410	10	NR	540	573	NR	670	243	NR	800	4	NR	930	0	NR
415	18	NR	545	587	NR	675	212	NR	805	4	NR	935	0	NR
420	32	NR	550	603	NR	680	183	NR	810	3	NR	940	0	NR
425	55	NR	555	619	NR	685	159	NR	815	3	NR	945	0	NR
430	95	NR	560	640	NR	690	136	NR	820	2	NR	950	0	NR
435	164	NR	565	666	NR	695	117	NR	825	2	NR	955	0	NR
440	273	NR	570	689	NR	700	100	NR	830	2	NR	960	0	NR
445	480	NR	575	718	NR	705	85	NR	835	2	NR	965	0	NR
450	835	NR	580	743	NR	710	73	NR	840	1	NR	970	0	NR
455	998	NR	585	764	NR	715	63	NR	845	1	NR	975	0	NR
460	735	NR	590	781	NR	720	54	NR	850	1	NR	980	0	NR
465	533	NR	595	789	NR	725	46	NR	855	1	NR	985	0	NR
470	435	NR	600	787	NR	730	39	NR	860	1	NR	990	0	NR
475	320	NR	605	775	NR	735	33	NR	865	1	NR	995	0	NR
480	254	NR	610	755	NR	740	28	NR	870	1	NR	1000	0	NR
485	245	NR	615	725	NR	745	24	NR	875	1	NR			

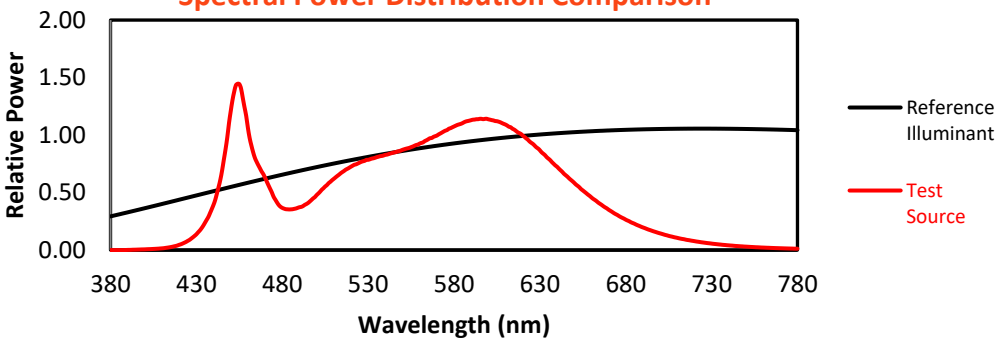
REPORT NUMBER: SP3-2602-684-3

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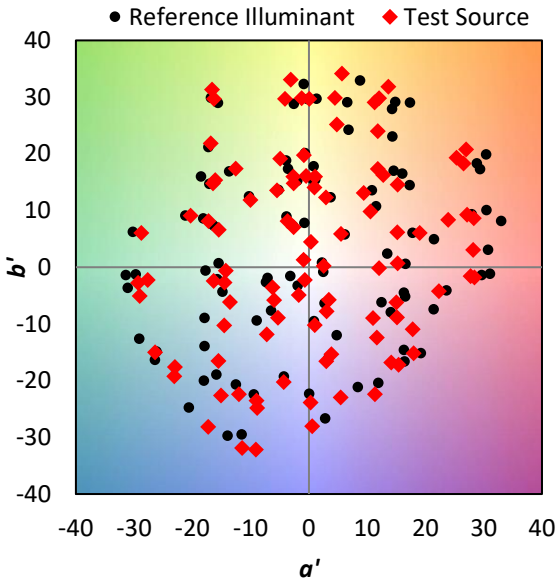
Summary

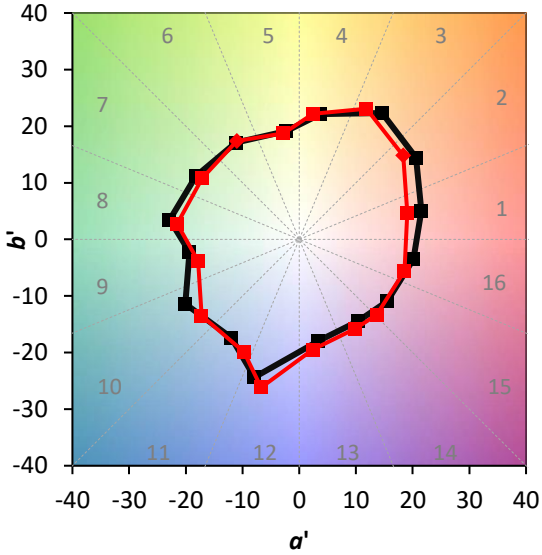
R_f = 83.8
R_g = 95.3
CIE R_a = 84.8
R_9 = 16.8

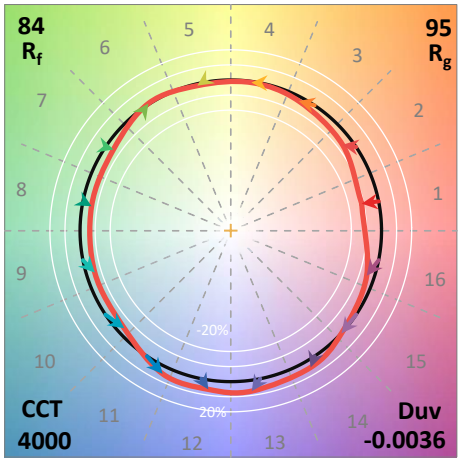
Spectral Power Distribution Comparison

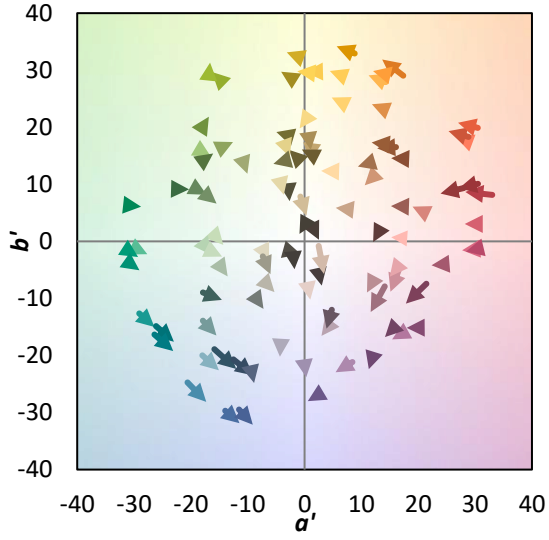


Color Vector Graphics







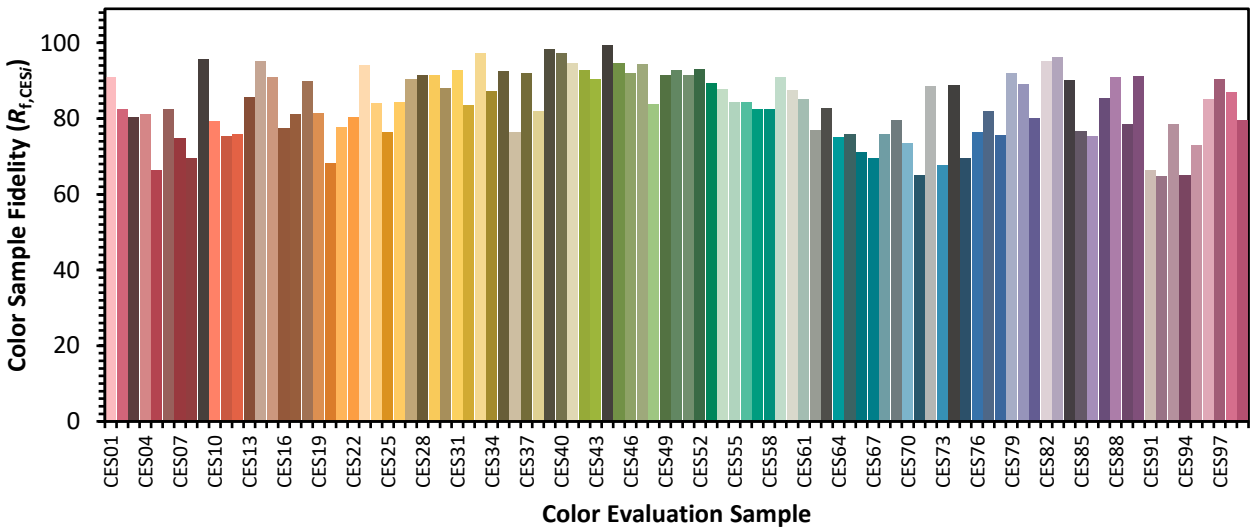


REPORT NUMBER: SP3-2602-684-3

TM-30-18

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

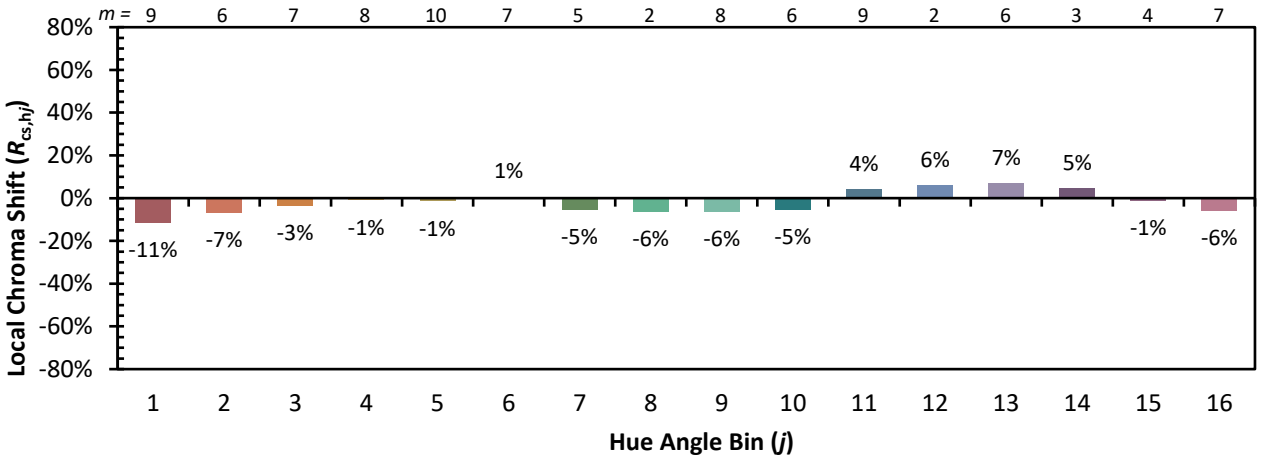
CES01 = 86	CES26 = 84	CES51 = 92	CES76 = 77
CES02 = 61	CES27 = 90	CES52 = 93	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 89	CES78 = 76
CES04 = 70	CES29 = 91	CES54 = 88	CES79 = 92
CES05 = 48	CES30 = 88	CES55 = 84	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 84	CES81 = 80
CES07 = 41	CES32 = 84	CES57 = 82	CES82 = 95
CES08 = 40	CES33 = 97	CES58 = 82	CES83 = 96
CES09 = 29	CES34 = 87	CES59 = 91	CES84 = 90
CES10 = 74	CES35 = 93	CES60 = 88	CES85 = 77
CES11 = 57	CES36 = 76	CES61 = 85	CES86 = 75
CES12 = 63	CES37 = 92	CES62 = 77	CES87 = 85
CES13 = 43	CES38 = 82	CES63 = 83	CES88 = 91
CES14 = 74	CES39 = 98	CES64 = 75	CES89 = 79
CES15 = 71	CES40 = 97	CES65 = 76	CES90 = 91
CES16 = 47	CES41 = 95	CES66 = 71	CES91 = 66
CES17 = 49	CES42 = 93	CES67 = 70	CES92 = 65
CES18 = 56	CES43 = 90	CES68 = 76	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 80	CES94 = 65
CES20 = 65	CES45 = 95	CES70 = 73	CES95 = 73
CES21 = 86	CES46 = 92	CES71 = 65	CES96 = 85
CES22 = 78	CES47 = 94	CES72 = 88	CES97 = 90
CES23 = 91	CES48 = 84	CES73 = 68	CES98 = 87
CES24 = 90	CES49 = 91	CES74 = 89	CES99 = 80
CES25 = 71	CES50 = 93	CES75 = 70	

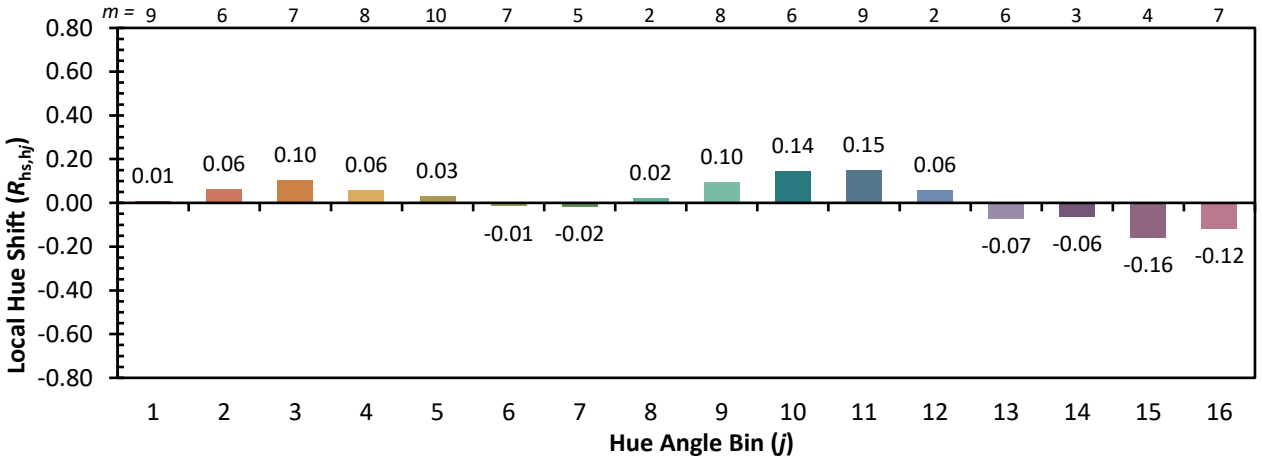


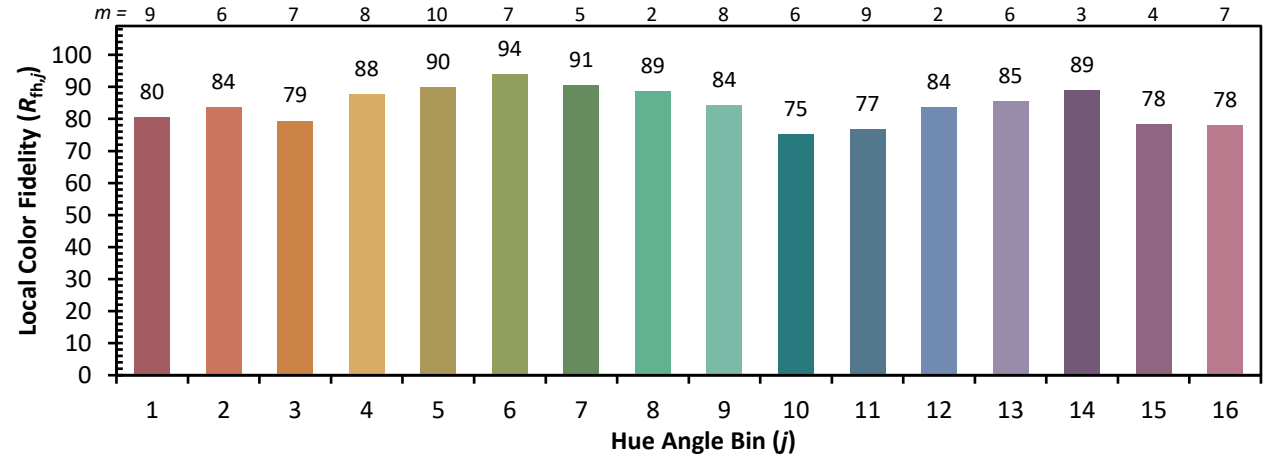
REPORT NUMBER: SP3-2602-684-3

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Color Rendition by Hue-Angle Bin



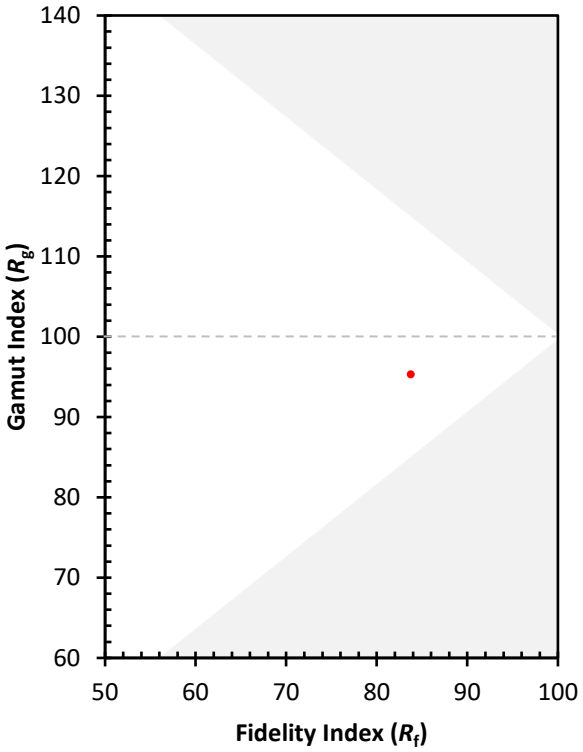


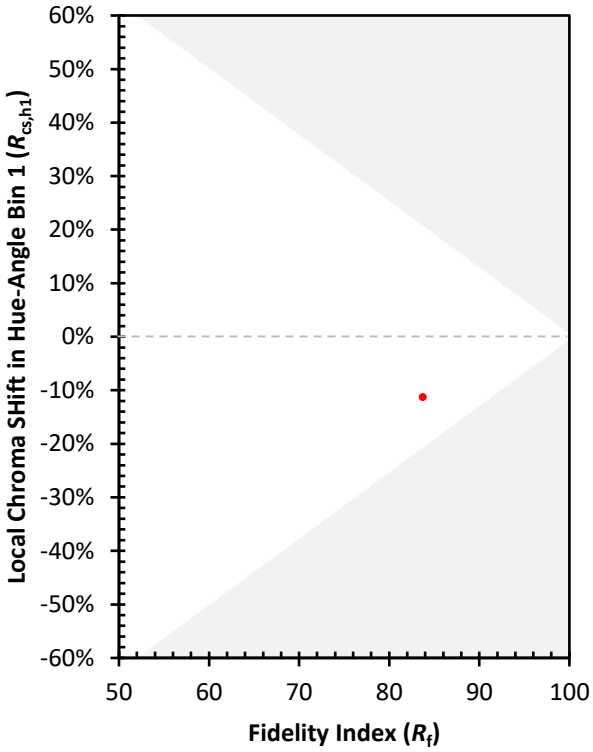


REPORT NUMBER: SP3-2602-684-3

TM-30-18

Measure Comparisons





(END OF REPORT)