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: P1594562

Luminaire Tested: FLXB-1224-M-MED-5700K

Issue Date: 10/2/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594562
	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-5700K
Description:	1224 FlexBay Linear High bay at M beam, MED lumen, 5700K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18618.0 lumens
Efficiency:	N/A
Efficacy:	164.0 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

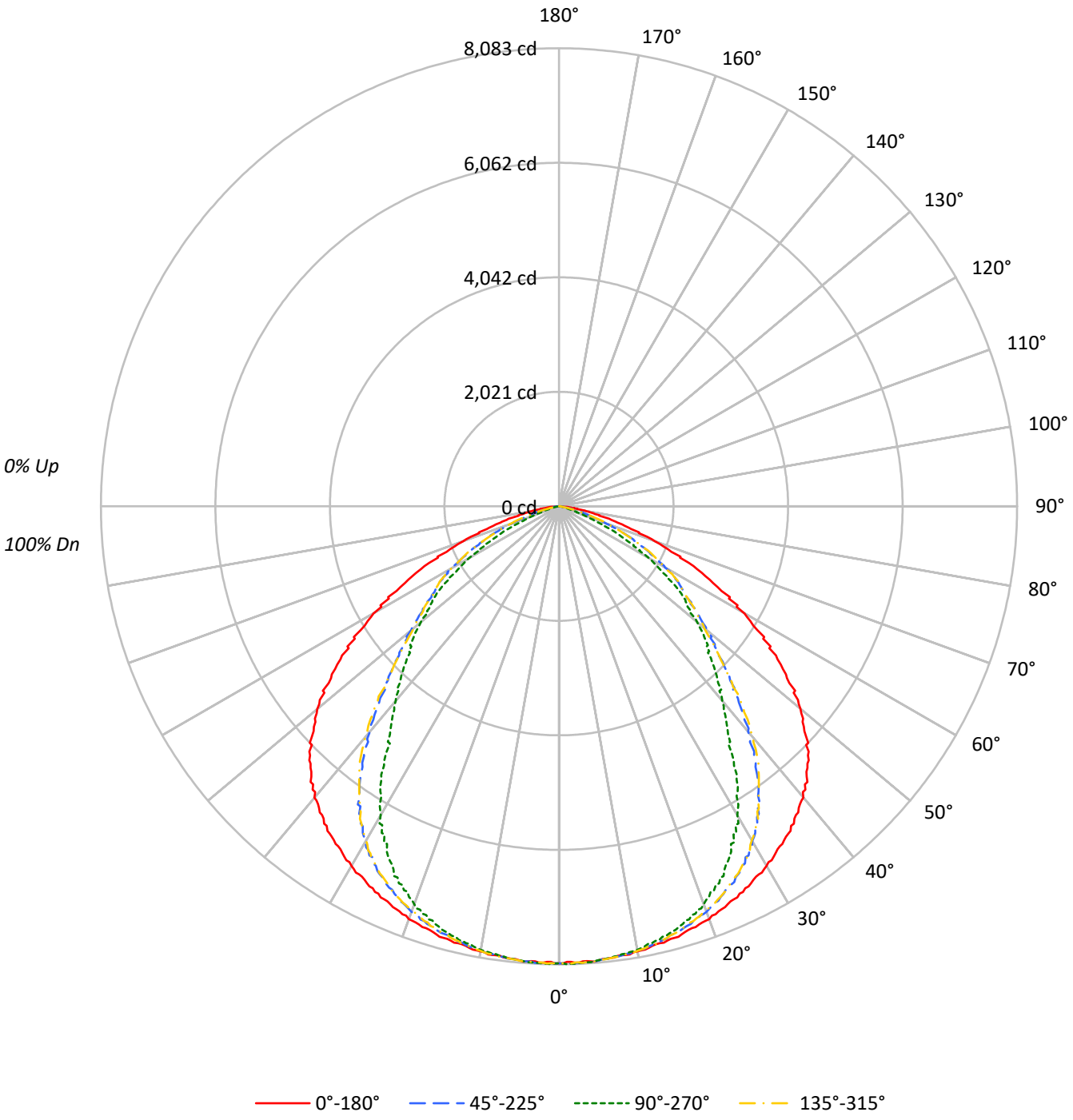
Input Watts (W):	113.5
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	70176	70176	70176	70176
5°	70256	70199	70256	70199
10°	70476	70210	70476	70210
15°	71033	69946	71033	69946
20°	71793	69162	71793	69162
25°	72381	66938	72381	66938
30°	73605	63230	73605	63230
35°	74892	56474	74892	56474
40°	76226	50891	76226	50891
45°	76475	46643	76475	46643
50°	75346	43091	75346	43091
55°	71399	39073	71399	39073
60°	65747	31919	65747	31919
65°	57239	23223	57239	23223
70°	45868	12367	45868	12367
75°	34800	6085	34800	6085
80°	23612	2831	23612	2831
85°	16783	2127	16783	2127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45.5°
Luminance: 76671 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.2	4.1
10°-20°	2206.9	11.9
20°-30°	3348.3	18.0
30°-40°	3837.8	20.6
40°-50°	3478.3	18.7
50°-60°	2719.1	14.6
60°-70°	1652.0	8.9
70°-80°	540.5	2.9
80°-90°	70.0	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°	6320.4	33.9
0°-40°	10158.2	54.6
0°-60°	16355.6	87.8
0°-90°	18618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18618.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8065	8065	8065	8065	8065	
5°	8043	8037	8043	8037	8043	765
15°	7885	7764	7885	7764	7885	2227
25°	7539	6972	7539	6972	7539	3486
35°	7050	5316	7050	5316	7050	4409
45°	6215	3790	6215	3790	6215	4772
55°	4706	2576	4706	2576	4706	4192
65°	2780	1128	2780	1128	2780	2732
75°	1035	181	1035	181	1035	1111
85°	168	21	168	21	168	204
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°	8064.8	8064.8	8064.8	*8064.8*	8064.8	8064.8	8064.8	8064.8	8064.8	8064.8	8064.8
0.5°	8064.8	8064.8	8064.8	*8064.8*	8064.8	8064.8	8064.8	8064.8	8064.8	8064.8	8064.8
1°	*8041.8*	*8065.6*	*8060.6*	*8083.0*	*8060.1*	*8065.1*	*8041.8*	*8065.6*	*8060.6*	*8083.0*	*8060.1*
1.5°	8041.8	8078.5	8073.5	*8074.5*	8071.6	8070.1	8041.8	8078.5	8073.5	8074.5	8071.6
2°	8058.7	8071.1	8073.5	*8074.5*	8038.8	8078.0	8058.7	8071.1	8073.5	8074.5	8038.8
2.5°	8058.7	8063.6	8068.6	*8065.1*	8038.8	8071.6	8058.7	8063.6	8068.6	8065.1	8038.8
3°	8039.3	8063.6	8068.6	*8065.1*	8061.6	8074.5	8039.3	8063.6	8068.6	8065.1	8061.6
3.5°	8039.3	8052.7	8043.8	*8065.1*	8046.3	8063.6	8039.3	8052.7	8043.8	8065.1	8046.3
4°	8048.2	8052.7	8043.8	*8065.1*	8039.8	8063.6	8048.2	8052.7	8043.8	8065.1	8039.8
4.5°	8059.2	8058.7	8052.7	*8052.7*	8038.8	8071.6	8059.2	8058.7	8052.7	8052.7	8038.8
5°	8043.3	8047.3	8043.3	*8036.8*	8044.8	8049.7	8043.3	8047.3	8043.3	8036.8	8044.8
5.5°	8027.9	8035.8	8023.9	*8033.4*	8033.4	8038.3	8027.9	8035.8	8023.9	8033.4	8033.4
6°	8029.4	8043.3	8026.4	*8023.9*	8029.9	8040.8	8029.4	8043.3	8026.4	8023.9	8029.9
6.5°	8024.5	8033.9	8026.4	*8023.9*	8010.1	8045.8	8024.5	8033.9	8026.4	8023.9	8010.1
7°	8024.5	8018.0	8007.6	*8002.1*	7995.7	8035.4	8024.5	8018.0	8007.6	8002.1	7995.7
7.5°	7999.1	8016.0	8007.6	*8002.1*	8001.6	8032.9	7999.1	8016.0	8007.6	8002.1	8001.6
8°	7999.1	8022.0	7980.3	*7981.3*	8001.6	8016.0	7999.1	8022.0	7980.3	7981.3	8001.6
8.5°	8006.6	7995.2	7980.3	*7981.3*	7978.3	8006.6	8006.6	7995.2	7980.3	7981.3	7978.3
9°	8006.6	7998.1	7977.3	*7967.9*	7971.4	8010.5	8006.6	7998.1	7977.3	7967.9	7971.4
9.5°	7976.3	7987.2	7977.3	*7960.5*	7971.4	7987.7	7976.3	7987.2	7977.3	7960.5	7971.4
10°	7976.3	7969.9	7938.6	*7946.1*	7959.0	7969.4	7976.3	7969.9	7938.6	7946.1	7959.0
10.5°	7970.9	7971.4	7938.6	*7932.7*	7943.1	7972.9	7970.9	7971.4	7938.6	7932.7	7943.1
11°	7970.9	7962.9	7933.7	*7912.4*	7916.3	7977.8	7970.9	7962.9	7933.7	7912.4	7916.3
11.5°	7949.6	7942.6	7916.3	*7882.1*	7897.5	7951.0	7949.6	7942.6	7916.3	7882.1	7897.5
12°	7928.2	7933.7	7892.0	*7882.1*	7885.6	7933.7	7928.2	7933.7	7892.0	7882.1	7885.6
12.5°	7915.3	7912.9	7863.7	*7854.8*	7885.1	7931.7	7915.3	7912.9	7863.7	7854.8	7885.1
13°	7912.4	7912.9	7863.7	*7854.8*	7833.5	7919.8	7912.4	7912.9	7863.7	7854.8	7833.5
13.5°	7919.8	7895.5	7838.0	*7811.7*	7833.5	7903.4	7919.8	7895.5	7838.0	7811.7	7833.5
14°	7897.5	7884.6	7838.0	*7811.7*	7815.6	7888.0	7897.5	7884.6	7838.0	7811.7	7815.6
14.5°	7882.1	7861.8	7772.5	*7782.9*	7787.4	7863.7	7882.1	7861.8	7772.5	7782.9	7787.4
15°	7885.1	7857.3	7774.0	*7764.5*	7771.0	7851.3	7885.1	7857.3	7774.0	7764.5	7771.0
15.5°	7885.1	7847.9	7767.0	*7745.7*	7741.7	7855.3	7885.1	7847.9	7767.0	7745.7	7741.7
16°	7855.8	7824.1	7750.7	*7710.5*	7720.9	7822.6	7855.8	7824.1	7750.7	7710.5	7720.9
16.5°	7834.5	7806.7	7714.5	*7689.7*	7699.1	7800.8	7834.5	7806.7	7714.5	7689.7	7699.1
17°	7816.6	7803.7	7676.8	*7642.5*	7693.6	7796.8	7816.6	7803.7	7676.8	7642.5	7693.6
17.5°	7804.7	7778.9	7676.8	*7642.5*	7625.7	7775.5	7804.7	7778.9	7676.8	7642.5	7625.7
18°	7805.7	7751.2	7632.1	*7584.5*	7625.7	7756.6	7805.7	7751.2	7632.1	7584.5	7625.7
18.5°	7780.9	7751.2	7632.1	*7584.5*	7593.4	7729.8	7780.9	7751.2	7632.1	7584.5	7593.4
19°	7766.5	7710.5	7569.1	*7526.5*	7593.4	7702.0	7766.5	7710.5	7569.1	7526.5	7593.4
19.5°	7759.1	7700.6	7569.1	*7526.5*	7525.5	7688.7	7759.1	7700.6	7569.1	7526.5	7525.5
20°	7753.1	7689.7	7536.4	*7468.9*	7486.3	7683.7	7753.1	7689.7	7536.4	7468.9	7486.3
20.5°	7709.5	7658.4	7503.7	*7416.9*	7470.9	7656.4	7709.5	7658.4	7503.7	7416.9	7470.9
21°	7709.5	7636.1	7458.5	*7386.6*	7437.7	7634.6	7709.5	7636.1	7458.5	7386.6	7437.7
21.5°	7681.2	7626.7	7412.4	*7307.2*	7421.3	7613.8	7681.2	7626.7	7412.4	7307.2	7421.3
22°	7665.8	7599.9	7412.4	*7307.2*	7369.7	7599.9	7665.8	7599.9	7412.4	7307.2	7369.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	7656.9	7571.1	7346.4	*7228.4*	7338.5	7568.6	7656.9	7571.1	7346.4	7228.4	7338.5
23°	7626.2	7557.7	7304.8	*7228.4*	7292.4	7553.3	7626.2	7557.7	7304.8	7228.4	7292.4
23.5°	7597.4	7492.8	7261.1	*7142.1*	7292.4	7496.7	7597.4	7492.8	7261.1	7142.1	7292.4
24°	7588.5	7471.9	7261.1	*7142.1*	7208.6	7473.9	7588.5	7471.9	7261.1	7142.1	7208.6
24.5°	7586.5	7471.9	7195.7	*7038.4*	7157.0	7462.0	7586.5	7471.9	7195.7	7038.4	7157.0
25°	7538.9	7436.7	7195.7	*6972.0*	7126.7	7417.9	7538.9	7436.7	7195.7	6972.0	7126.7
25.5°	7538.9	7406.0	7090.0	*6928.8*	7076.6	7393.6	7538.9	7406.0	7090.0	6928.8	7076.6
26°	7496.7	7392.6	7051.3	*6874.3*	7046.9	7374.7	7496.7	7392.6	7051.3	6874.3	7046.9
26.5°	7496.7	7361.3	7013.1	*6811.3*	6977.9	7353.9	7496.7	7361.3	7013.1	6811.3	6977.9
27°	7464.0	7324.1	6908.0	*6686.8*	6923.4	7307.2	7464.0	7324.1	6908.0	6686.8	6923.4
27.5°	7430.8	7300.3	6908.0	*6686.8*	6846.5	7285.9	7430.8	7300.3	6908.0	6686.8	6846.5
28°	7404.5	7231.9	6794.4	*6558.3*	6846.5	7257.2	7404.5	7231.9	6794.4	6558.3	6846.5
28.5°	7392.1	7231.9	6794.4	*6558.3*	6717.5	7222.4	7392.1	7231.9	6794.4	6558.3	6717.5
29°	7389.1	7177.3	6690.8	*6429.9*	6717.5	7167.4	7389.1	7177.3	6690.8	6429.9	6717.5
29.5°	7354.9	7138.1	6690.8	*6429.9*	6606.9	7117.8	7354.9	7138.1	6690.8	6429.9	6606.9
30°	7325.6	7090.0	6549.9	*6293.0*	6531.5	7076.6	7325.6	7090.0	6549.9	6293.0	6531.5
30.5°	7287.4	7065.2	6483.9	*6215.1*	6472.5	7042.4	7287.4	7065.2	6483.9	6215.1	6472.5
31°	7287.4	7019.6	6424.9	*6144.7*	6383.7	7024.6	7287.4	7019.6	6424.9	6144.7	6383.7
31.5°	7251.7	6973.5	6273.6	*5996.4*	6309.3	6974.5	7251.7	6973.5	6273.6	5996.4	6309.3
32°	7214.5	6925.8	6273.6	*5943.8*	6236.9	6937.8	7214.5	6925.8	6273.6	5943.8	6236.9
32.5°	7177.3	6895.6	6111.5	*5870.4*	6181.4	6895.6	7177.3	6895.6	6111.5	5870.4	6181.4
33°	7151.5	6831.6	6111.5	*5749.4*	6003.3	6849.5	7151.5	6831.6	6111.5	5749.4	6003.3
33.5°	7143.6	6737.9	5958.2	*5681.4*	6003.3	6776.1	7143.6	6737.9	5958.2	5681.4	6003.3
34°	7103.4	6737.9	5958.2	*5520.7*	5858.5	6716.5	7103.4	6737.9	5958.2	5520.7	5858.5
34.5°	7073.6	6617.3	5779.6	*5442.9*	5764.8	6661.5	7073.6	6617.3	5779.6	5442.9	5764.8
35°	7050.3	6579.7	5694.8	*5316.4*	5682.9	6616.4	7050.3	6579.7	5694.8	5316.4	5682.9
35.5°	7034.0	6498.8	5623.4	*5140.3*	5578.8	6569.7	7034.0	6498.8	5623.4	5140.3	5578.8
36°	6970.0	6440.3	5509.8	*5140.3*	5492.0	6500.3	6970.0	6440.3	5509.8	5140.3	5492.0
36.5°	6970.0	6349.0	5406.2	*5013.3*	5407.7	6443.8	6970.0	6349.0	5406.2	5013.3	5407.7
37°	6901.0	6310.3	5208.8	*4943.9*	5312.9	6390.2	6901.0	6310.3	5208.8	4943.9	5312.9
37.5°	6868.3	6199.7	5208.8	*4865.1*	5264.3	6325.2	6868.3	6199.7	5208.8	4865.1	5264.3
38°	6853.4	6143.7	5031.7	*4786.7*	5156.2	6248.3	6853.4	6143.7	5031.7	4786.7	5156.2
38.5°	6798.4	6033.6	5031.7	*4713.8*	5029.7	6175.4	6798.4	6033.6	5031.7	4713.8	5029.7
39°	6760.2	5847.1	4850.2	*4622.0*	5029.7	6004.8	6760.2	5847.1	4850.2	4622.0	5029.7
39.5°	6726.0	5793.5	4850.2	*4573.4*	4860.6	5925.5	6726.0	5793.5	4850.2	4573.4	4860.6
40°	6710.6	5661.6	4719.7	*4480.2*	4798.1	5844.1	6710.6	5661.6	4719.7	4480.2	4798.1
40.5°	6627.3	5585.2	4719.7	*4424.6*	4678.6	5740.0	6627.3	5585.2	4719.7	4424.6	4678.6
41°	6627.3	5439.9	4544.7	*4318.0*	4616.1	5630.8	6627.3	5439.9	4544.7	4318.0	4616.1
41.5°	6549.9	5374.9	4447.9	*4318.0*	4511.9	5529.2	6549.9	5374.9	4447.9	4318.0	4511.9
42°	6549.9	5222.6	4382.5	*4198.5*	4344.8	5411.1	6549.9	5222.6	4382.5	4198.5	4344.8
42.5°	6469.5	5136.4	4257.0	*4138.9*	4344.8	5287.1	6469.5	5136.4	4257.0	4138.9	4344.8
43°	6404.1	5002.9	4257.0	*4078.4*	4211.4	5162.1	6404.1	5002.9	4257.0	4078.4	4211.4
43.5°	6365.4	4787.2	4135.5	*3998.6*	4211.4	5035.2	6365.4	4787.2	4135.5	3998.6	4211.4
44°	6311.3	4787.2	4135.5	*3937.1*	4065.5	4778.3	6311.3	4787.2	4135.5	3937.1	4065.5
44.5°	6284.1	4590.3	4027.8	*3850.3*	4065.5	4647.8	6284.1	4590.3	4027.8	3850.3	4065.5

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Scaled Data Report

TEST NUMBER: P1594562
CATALOG NUMBER: FLXB-1224-M-MED-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	6214.6	4470.3	4027.8	*3790.3*	3944.0	4522.8	6214.6	4470.3	4027.8	3790.3	3944.0
45.5°	6175.9	4379.0	3896.9	*3682.1*	3875.1	4374.5	6175.9	4379.0	3896.9	3682.1	3875.1
46°	6063.8	4267.9	3846.3	*3682.1*	3826.5	4275.3	6063.8	4267.9	3846.3	3682.1	3826.5
46.5°	6063.8	4187.5	3778.4	*3591.4*	3745.6	4139.4	6063.8	4187.5	3778.4	3591.4	3745.6
47°	5960.2	4061.1	3648.4	*3591.4*	3688.1	4044.7	5960.2	4061.1	3648.4	3591.4	3688.1
47.5°	5874.4	3997.1	3648.4	*3516.5*	3621.1	3922.7	5874.4	3997.1	3648.4	3516.5	3621.1
48°	5816.8	3878.1	3526.9	*3450.0*	3575.0	3843.8	5816.8	3878.1	3526.9	3450.0	3575.0
48.5°	5740.5	3813.6	3526.9	*3398.0*	3453.0	3734.2	5740.5	3813.6	3526.9	3398.0	3453.0
49°	5708.7	3654.9	3427.2	*3327.5*	3453.0	3574.0	5708.7	3654.9	3427.2	3327.5	3453.0
49.5°	5621.4	3654.9	3427.2	*3249.7*	3336.0	3501.6	5621.4	3654.9	3427.2	3249.7	3336.0
50°	5565.9	3500.1	3299.3	*3183.2*	3274.5	3420.3	5565.9	3500.1	3299.3	3183.2	3274.5
50.5°	5481.5	3417.3	3299.3	*3115.7*	3231.8	3363.7	5481.5	3417.3	3299.3	3115.7	3231.8
51°	5428.5	3366.2	3168.8	*2973.9*	3162.4	3294.3	5428.5	3366.2	3168.8	2973.9	3162.4
51.5°	5288.1	3275.9	3106.3	*2973.9*	3099.4	3237.3	5288.1	3275.9	3106.3	2973.9	3099.4
52°	5288.1	3226.3	3041.8	*2873.7*	2968.4	3176.8	5288.1	3226.3	3041.8	2873.7	2968.4
52.5°	5123.5	3156.4	2914.4	*2860.8*	2907.9	3121.7	5123.5	3156.4	2914.4	2860.8	2907.9
53°	5036.7	3099.9	2914.4	*2799.8*	2907.9	3063.2	5036.7	3099.9	2914.4	2799.8	2907.9
53.5°	4984.1	2986.8	2787.9	*2777.0*	2842.4	3008.6	4984.1	2986.8	2787.9	2777.0	2842.4
54°	4882.9	2986.8	2787.9	*2697.1*	2723.9	2962.5	4882.9	2986.8	2787.9	2697.1	2723.9
54.5°	4808.5	2871.2	2659.9	*2652.0*	2723.9	2856.3	4808.5	2871.2	2659.9	2652.0	2723.9
55°	4706.4	2815.2	2659.9	*2575.6*	2603.4	2810.7	4706.4	2815.2	2659.9	2575.6	2603.4
55.5°	4645.8	2769.1	2552.8	*2502.2*	2581.1	2712.0	4645.8	2769.1	2552.8	2502.2	2581.1
56°	4478.2	2708.5	2552.8	*2423.8*	2523.0	2712.0	4478.2	2708.5	2552.8	2423.8	2523.0
56.5°	4478.2	2665.4	2501.2	*2299.4*	2503.2	2668.4	4478.2	2665.4	2501.2	2299.4	2503.2
57°	4294.7	2616.8	2455.1	*2299.4*	2480.4	2615.8	4294.7	2616.8	2455.1	2299.4	2480.4
57.5°	4294.7	2562.2	2442.2	*2164.9*	2435.8	2570.2	4294.7	2562.2	2442.2	2164.9	2435.8
58°	4124.1	2511.1	2331.1	*2108.9*	2415.4	2517.1	4124.1	2511.1	2331.1	2108.9	2415.4
58.5°	4020.4	2463.5	2331.1	*2040.0*	2295.4	2474.4	4020.4	2463.5	2331.1	2040.0	2295.4
59°	3937.6	2371.8	2194.2	*1969.5*	2295.4	2371.8	3937.6	2371.8	2194.2	1969.5	2295.4
59.5°	3849.3	2371.8	2194.2	*1905.6*	2124.3	2321.7	3849.3	2371.8	2194.2	1905.6	2124.3
60°	3777.9	2276.5	2041.0	*1834.1*	2124.3	2278.5	3777.9	2276.5	2041.0	1834.1	2124.3
60.5°	3600.8	2224.0	2041.0	*1758.2*	1973.5	2224.5	3600.8	2224.0	2041.0	1758.2	1973.5
61°	3600.8	2159.0	1897.6	*1622.4*	1911.0	2175.9	3600.8	2159.0	1897.6	1622.4	1911.0
61.5°	3413.3	2114.9	1835.6	*1622.4*	1841.6	2123.8	3413.3	2114.9	1835.6	1622.4	1841.6
62°	3413.3	2053.4	1770.1	*1487.4*	1775.6	2077.2	3413.3	2053.4	1770.1	1487.4	1775.6
62.5°	3230.8	2003.8	1641.2	*1487.4*	1707.2	2027.6	3230.8	2003.8	1641.2	1487.4	1707.2
63°	3139.6	1947.2	1641.2	*1362.4*	1652.1	1981.4	3139.6	1947.2	1641.2	1362.4	1652.1
63.5°	3036.9	1899.1	1561.3	*1304.4*	1592.6	1932.3	3036.9	1899.1	1561.3	1304.4	1592.6
64°	2957.0	1845.5	1493.9	*1240.9*	1450.2	1875.8	2957.0	1845.5	1493.9	1240.9	1450.2
64.5°	2863.3	1768.7	1364.9	*1189.4*	1450.2	1778.1	2863.3	1768.7	1364.9	1189.4	1450.2
65°	2780.0	1727.0	1364.9	*1127.9*	1309.9	1727.0	2780.0	1727.0	1364.9	1127.9	1309.9
65.5°	2680.3	1680.9	1226.6	*1077.8*	1248.4	1663.5	2680.3	1680.9	1226.6	1077.8	1248.4
66°	2597.4	1648.1	1226.6	*1013.8*	1177.5	1615.4	2597.4	1648.1	1226.6	1013.8	1177.5
66.5°	2495.3	1615.4	1107.0	*873.9*	1106.5	1561.3	2495.3	1615.4	1107.0	873.9	1106.5
67°	2320.7	1556.4	1048.0	*873.9*	1035.1	1505.3	2320.7	1556.4	1048.0	873.9	1035.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	2320.7	1490.9	985.0	*744.0*	971.1	1452.2	2320.7	1490.9	985.0	744.0	971.1
68°	2138.7	1441.3	858.0	*671.1*	916.6	1402.1	2138.7	1441.3	858.0	671.1	916.6
68.5°	2065.3	1378.3	858.0	*642.3*	858.0	1358.5	2065.3	1378.3	858.0	642.3	858.0
69°	1971.0	1255.8	737.0	*573.8*	795.0	1312.8	1971.0	1255.8	737.0	573.8	795.0
69.5°	1903.1	1255.8	737.0	*540.6*	682.0	1267.7	1903.1	1255.8	737.0	540.6	682.0
70°	1802.9	1137.8	619.0	*486.1*	682.0	1183.9	1802.9	1137.8	619.0	486.1	682.0
70.5°	1736.9	1081.2	619.0	*448.9*	586.7	1139.3	1736.9	1081.2	619.0	448.9	586.7
71°	1641.2	1031.1	495.5	*402.7*	586.7	1090.2	1641.2	1031.1	495.5	402.7	586.7
71.5°	1486.0	976.1	430.5	*375.5*	503.4	1036.1	1486.0	976.1	430.5	375.5	503.4
72°	1486.0	933.4	389.8	*325.9*	479.1	970.1	1486.0	933.4	389.8	325.9	479.1
72.5°	1336.2	891.3	345.7	*325.9*	411.2	924.0	1336.2	891.3	345.7	325.9	411.2
73°	1288.0	848.1	320.4	*288.7*	385.4	783.7	1288.0	848.1	320.4	288.7	385.4
73.5°	1206.7	804.0	272.8	*252.0*	319.4	783.7	1206.7	804.0	272.8	252.0	319.4
74°	1159.6	768.8	272.8	*238.6*	248.0	713.7	1159.6	768.8	272.8	238.6	248.0
74.5°	1071.3	679.5	200.9	*193.9*	248.0	659.2	1071.3	679.5	200.9	193.9	248.0
75°	1035.1	679.5	200.9	*181.0*	211.8	556.5	1035.1	679.5	200.9	181.0	211.8
75.5°	949.8	596.7	184.0	*142.8*	211.8	510.9	949.8	596.7	184.0	142.8	211.8
76°	919.0	532.7	184.0	*135.4*	176.6	466.2	919.0	532.7	184.0	135.4	176.6
76.5°	839.7	511.8	155.2	*115.6*	165.2	422.6	839.7	511.8	155.2	115.6	165.2
77°	732.6	441.4	143.3	*115.6*	147.3	380.4	732.6	441.4	143.3	115.6	147.3
77.5°	732.6	430.0	130.4	*100.2*	136.9	341.2	732.6	430.0	130.4	100.2	136.9
78°	641.3	371.0	102.7	*100.2*	119.0	298.6	641.3	371.0	102.7	100.2	119.0
78.5°	626.9	358.6	102.7	*84.3*	113.1	266.8	626.9	358.6	102.7	84.3	113.1
79°	550.5	308.0	77.4	*72.9*	101.7	230.1	550.5	308.0	77.4	72.9	101.7
79.5°	539.6	298.1	77.4	*68.9*	84.3	193.4	539.6	298.1	77.4	68.9	84.3
80°	471.2	246.0	62.0	*56.5*	84.3	141.9	471.2	246.0	62.0	56.5	84.3
80.5°	463.7	203.3	62.0	*53.1*	64.0	126.5	463.7	203.3	62.0	53.1	64.0
81°	399.8	196.9	54.6	*46.6*	60.5	112.1	399.8	196.9	54.6	46.6	60.5
81.5°	330.3	155.2	54.6	*44.6*	50.6	98.7	330.3	155.2	54.6	44.6	50.6
82°	330.3	149.8	44.6	*37.7*	48.1	87.3	330.3	149.8	44.6	37.7	48.1
82.5°	270.8	111.1	39.7	*37.7*	43.2	78.4	270.8	111.1	39.7	37.7	43.2
83°	270.8	107.1	34.7	*30.8*	40.2	67.0	270.8	107.1	34.7	30.8	40.2
83.5°	215.3	80.4	28.3	*25.8*	35.2	57.5	215.3	80.4	28.3	25.8	35.2
84°	211.8	76.9	28.3	*25.3*	30.3	48.1	211.8	76.9	28.3	25.3	30.3
84.5°	168.1	60.0	23.3	*21.8*	24.3	41.7	168.1	60.0	23.3	21.8	24.3
85°	168.1	60.0	23.3	*21.3*	18.4	35.2	168.1	60.0	23.3	21.3	18.4
85.5°	130.0	44.6	13.4	*18.4*	18.4	24.3	130.0	44.6	13.4	18.4	18.4
86°	130.0	35.7	13.4	*16.9*	15.9	19.8	130.0	35.7	13.4	16.9	15.9
86.5°	96.7	35.7	7.9	*14.9*	14.4	14.9	96.7	35.7	7.9	14.9	14.4
87°	71.9	26.8	7.4	*13.4*	9.9	10.4	71.9	26.8	7.4	13.4	9.9
87.5°	71.9	19.8	6.9	*7.9*	8.9	6.9	71.9	19.8	6.9	7.9	8.9
88°	52.6	19.8	6.0	*7.9*	5.0	6.0	52.6	19.8	6.0	7.9	5.0
88.5°	52.6	19.8	5.0	*5.0*	5.0	4.0	52.6	19.8	5.0	5.0	5.0
89°	38.2	14.4	2.5	*4.5*	4.0	2.5	38.2	14.4	2.5	4.5	4.0
89.5°	38.2	14.4	2.5	*4.5*	3.0	2.0	38.2	14.4	2.5	4.5	3.0

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TEST NUMBER: P1594562
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	19.8	5.5	2.0	*2.0*	1.5	1.5	19.8	5.5	2.0	2.0	1.5

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TEST NUMBER: P1594562
CATALOG NUMBER: FLXB-1224-M-MED-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	8064.8	8064.8
0.5°	8064.8	8064.8
1°	*8065.1*	*8041.8*
1.5°	8070.1	8041.8
2°	8078.0	8058.7
2.5°	8071.6	8058.7
3°	8074.5	8039.3
3.5°	8063.6	8039.3
4°	8063.6	8048.2
4.5°	8071.6	8059.2
5°	8049.7	8043.3
5.5°	8038.3	8027.9
6°	8040.8	8029.4
6.5°	8045.8	8024.5
7°	8035.4	8024.5
7.5°	8032.9	7999.1
8°	8016.0	7999.1
8.5°	8006.6	8006.6
9°	8010.5	8006.6
9.5°	7987.7	7976.3
10°	7969.4	7976.3
10.5°	7972.9	7970.9
11°	7977.8	7970.9
11.5°	7951.0	7949.6
12°	7933.7	7928.2
12.5°	7931.7	7915.3
13°	7919.8	7912.4
13.5°	7903.4	7919.8
14°	7888.0	7897.5
14.5°	7863.7	7882.1
15°	7851.3	7885.1
15.5°	7855.3	7885.1
16°	7822.6	7855.8
16.5°	7800.8	7834.5
17°	7796.8	7816.6
17.5°	7775.5	7804.7
18°	7756.6	7805.7
18.5°	7729.8	7780.9
19°	7702.0	7766.5
19.5°	7688.7	7759.1
20°	7683.7	7753.1
20.5°	7656.4	7709.5
21°	7634.6	7709.5
21.5°	7613.8	7681.2
22°	7599.9	7665.8

TEST NUMBER: P1594562
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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	7568.6	7656.9
23°	7553.3	7626.2
23.5°	7496.7	7597.4
24°	7473.9	7588.5
24.5°	7462.0	7586.5
25°	7417.9	7538.9
25.5°	7393.6	7538.9
26°	7374.7	7496.7
26.5°	7353.9	7496.7
27°	7307.2	7464.0
27.5°	7285.9	7430.8
28°	7257.2	7404.5
28.5°	7222.4	7392.1
29°	7167.4	7389.1
29.5°	7117.8	7354.9
30°	7076.6	7325.6
30.5°	7042.4	7287.4
31°	7024.6	7287.4
31.5°	6974.5	7251.7
32°	6937.8	7214.5
32.5°	6895.6	7177.3
33°	6849.5	7151.5
33.5°	6776.1	7143.6
34°	6716.5	7103.4
34.5°	6661.5	7073.6
35°	6616.4	7050.3
35.5°	6569.7	7034.0
36°	6500.3	6970.0
36.5°	6443.8	6970.0
37°	6390.2	6901.0
37.5°	6325.2	6868.3
38°	6248.3	6853.4
38.5°	6175.4	6798.4
39°	6004.8	6760.2
39.5°	5925.5	6726.0
40°	5844.1	6710.6
40.5°	5740.0	6627.3
41°	5630.8	6627.3
41.5°	5529.2	6549.9
42°	5411.1	6549.9
42.5°	5287.1	6469.5
43°	5162.1	6404.1
43.5°	5035.2	6365.4
44°	4778.3	6311.3
44.5°	4647.8	6284.1

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CANDELA DISTRIBUTION (continued):

	330°	360°
45°	4522.8	6214.6
45.5°	4374.5	6175.9
46°	4275.3	6063.8
46.5°	4139.4	6063.8
47°	4044.7	5960.2
47.5°	3922.7	5874.4
48°	3843.8	5816.8
48.5°	3734.2	5740.5
49°	3574.0	5708.7
49.5°	3501.6	5621.4
50°	3420.3	5565.9
50.5°	3363.7	5481.5
51°	3294.3	5428.5
51.5°	3237.3	5288.1
52°	3176.8	5288.1
52.5°	3121.7	5123.5
53°	3063.2	5036.7
53.5°	3008.6	4984.1
54°	2962.5	4882.9
54.5°	2856.3	4808.5
55°	2810.7	4706.4
55.5°	2712.0	4645.8
56°	2712.0	4478.2
56.5°	2668.4	4478.2
57°	2615.8	4294.7
57.5°	2570.2	4294.7
58°	2517.1	4124.1
58.5°	2474.4	4020.4
59°	2371.8	3937.6
59.5°	2321.7	3849.3
60°	2278.5	3777.9
60.5°	2224.5	3600.8
61°	2175.9	3600.8
61.5°	2123.8	3413.3
62°	2077.2	3413.3
62.5°	2027.6	3230.8
63°	1981.4	3139.6
63.5°	1932.3	3036.9
64°	1875.8	2957.0
64.5°	1778.1	2863.3
65°	1727.0	2780.0
65.5°	1663.5	2680.3
66°	1615.4	2597.4
66.5°	1561.3	2495.3
67°	1505.3	2320.7

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CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	1452.2	2320.7
68°	1402.1	2138.7
68.5°	1358.5	2065.3
69°	1312.8	1971.0
69.5°	1267.7	1903.1
70°	1183.9	1802.9
70.5°	1139.3	1736.9
71°	1090.2	1641.2
71.5°	1036.1	1486.0
72°	970.1	1486.0
72.5°	924.0	1336.2
73°	783.7	1288.0
73.5°	783.7	1206.7
74°	713.7	1159.6
74.5°	659.2	1071.3
75°	556.5	1035.1
75.5°	510.9	949.8
76°	466.2	919.0
76.5°	422.6	839.7
77°	380.4	732.6
77.5°	341.2	732.6
78°	298.6	641.3
78.5°	266.8	626.9
79°	230.1	550.5
79.5°	193.4	539.6
80°	141.9	471.2
80.5°	126.5	463.7
81°	112.1	399.8
81.5°	98.7	330.3
82°	87.3	330.3
82.5°	78.4	270.8
83°	67.0	270.8
83.5°	57.5	215.3
84°	48.1	211.8
84.5°	41.7	168.1
85°	35.2	168.1
85.5°	24.3	130.0
86°	19.8	130.0
86.5°	14.9	96.7
87°	10.4	71.9
87.5°	6.9	71.9
88°	6.0	52.6
88.5°	4.0	52.6
89°	2.5	38.2
89.5°	2.0	38.2

TEST NUMBER: P1594562
CATALOG NUMBER: FLXB-1224-M-MED-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1.5	19.8

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

Scaled Data Report

TEST NUMBER: P1594562
CATALOG NUMBER: FLXB-1224-M-MED-5700K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	26.2	27.7	26.6	28.0	28.4	24.0	25.5	24.3	25.8	26.1
	3H	27.7	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	29.8	30.2	24.4	25.5	24.8	25.9	26.3
	8H	28.3	29.4	28.8	29.8	30.2	24.3	25.4	24.8	25.8	26.2
	12H	28.4	29.4	28.8	29.8	30.2	24.3	25.4	24.7	25.7	26.2
4H	2H	26.4	27.7	26.8	28.0	28.4	24.5	25.7	24.9	26.1	26.4
	3H	28.0	29.1	28.4	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	29.9	30.4	24.9	25.7	25.4	26.1	26.6
	12H	28.8	29.4	29.3	29.9	30.4	24.9	25.5	25.4	26.0	26.5
8H	4H	28.4	29.2	28.9	29.6	30.1	25.1	25.8	25.6	26.3	26.8
	6H	28.7	29.3	29.2	29.8	30.3	25.0	25.7	25.5	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	25.7	25.6	26.2	26.7
	6H	28.6	29.2	29.2	29.7	30.2	25.0	25.6	25.6	26.0	26.6
	8H	28.7	29.2	29.2	29.7	30.2	25.0	25.5	25.5	26.0	26.5

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: SP3-2602-684-5

Test Date: 02/20/2026

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

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

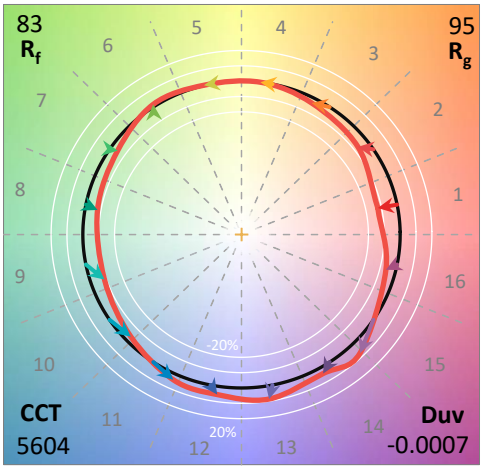
Test Information

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

Spectral Parameters

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

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



Test Conditions

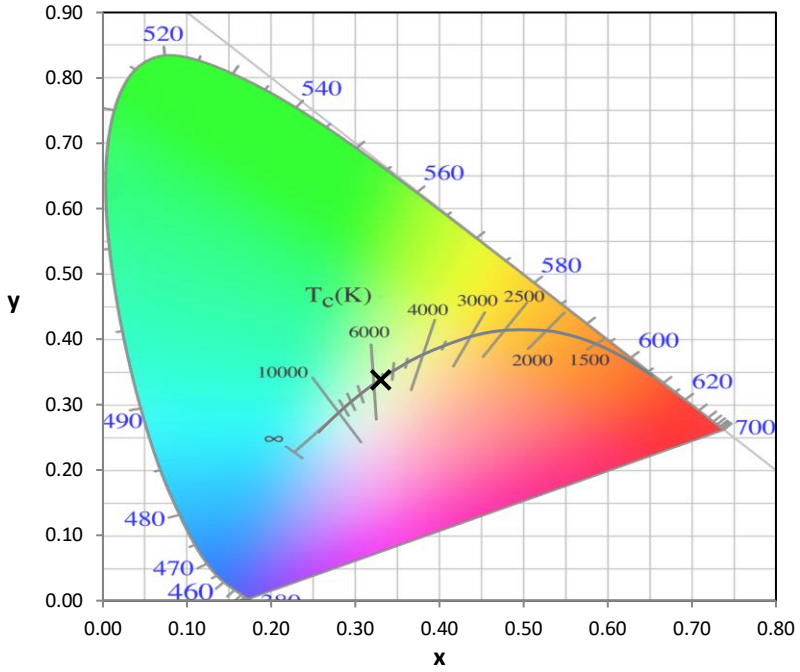
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-5

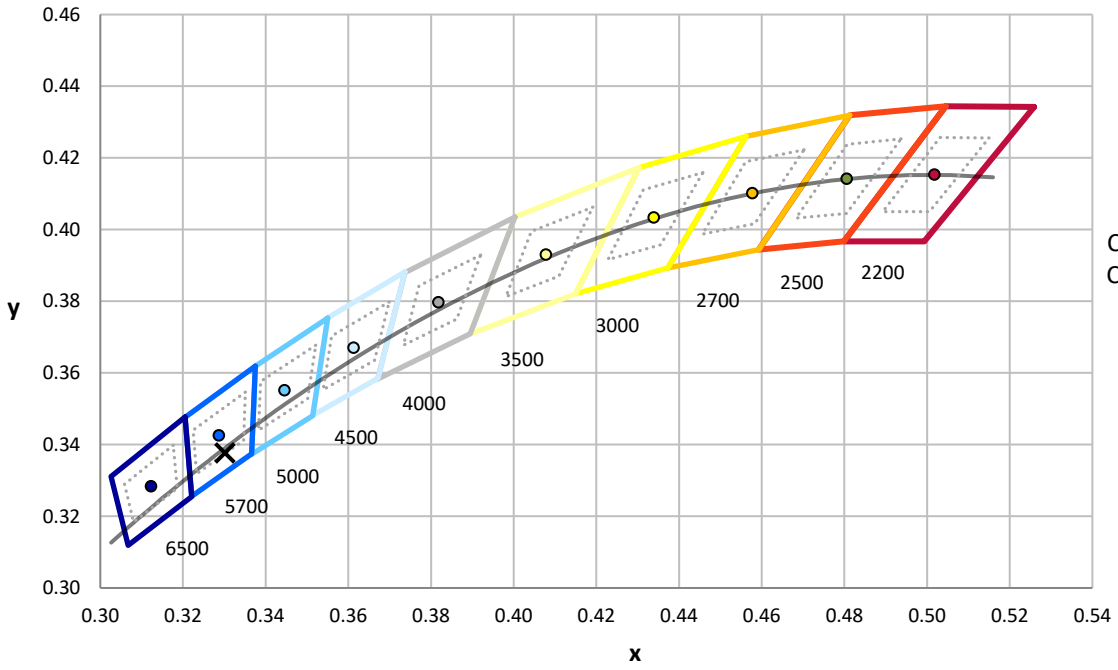
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-5

CIE 1931 Chromaticity Diagram



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

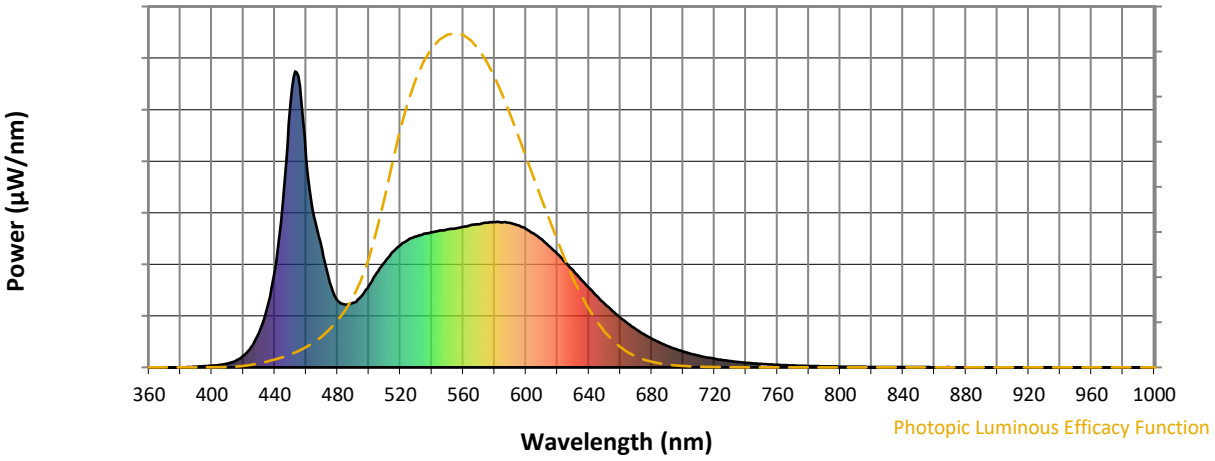


CCT = 5604K
CIE x = 0.3301
CIE y = 0.3376
Duv = -0.0007

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-5

Photopic Flux vs. Wavelength

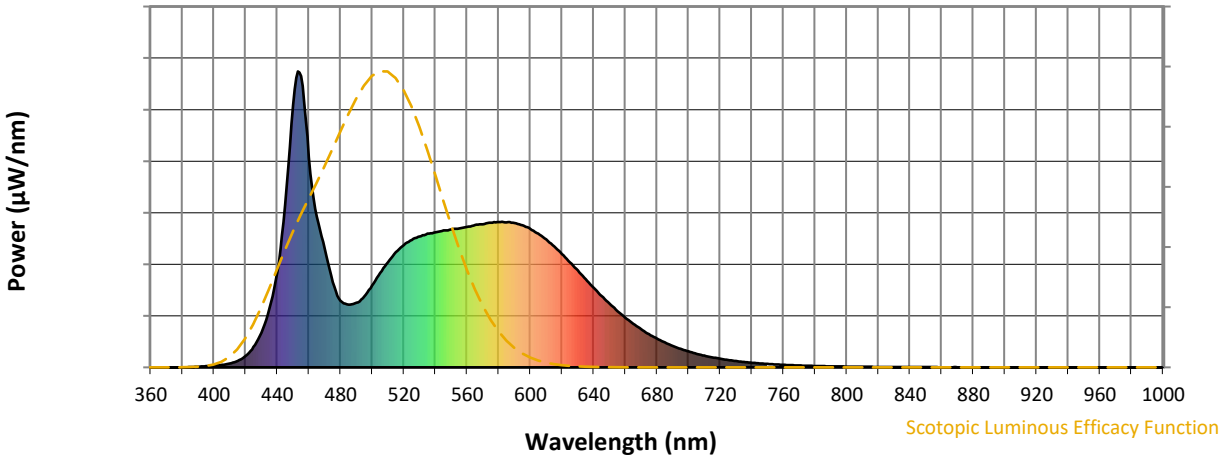


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Scotopic Flux vs. Wavelength

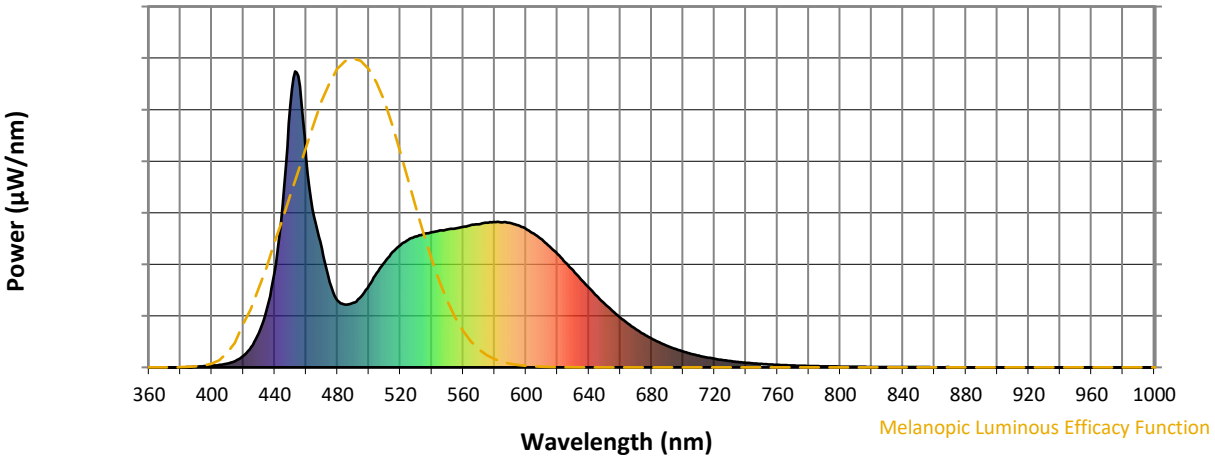


Scotopic Lumens: NR **S/P: 2.09**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP3-2602-684-5

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	219	NR	620	383	NR	750	11	NR	880	0	NR
365	0	NR	495	239	NR	625	355	NR	755	10	NR	885	1	NR
370	0	NR	500	277	NR	630	327	NR	760	8	NR	890	0	NR
375	0	NR	505	319	NR	635	297	NR	765	7	NR	895	0	NR
380	0	NR	510	356	NR	640	270	NR	770	6	NR	900	0	NR
385	1	NR	515	389	NR	645	241	NR	775	5	NR	905	0	NR
390	2	NR	520	413	NR	650	215	NR	780	5	NR	910	0	NR
395	4	NR	525	430	NR	655	191	NR	785	4	NR	915	0	NR
400	6	NR	530	442	NR	660	168	NR	790	3	NR	920	0	NR
405	8	NR	535	452	NR	665	147	NR	795	3	NR	925	0	NR
410	13	NR	540	457	NR	670	129	NR	800	3	NR	930	0	NR
415	22	NR	545	463	NR	675	112	NR	805	2	NR	935	0	NR
420	39	NR	550	467	NR	680	97	NR	810	2	NR	940	0	NR
425	69	NR	555	470	NR	685	84	NR	815	2	NR	945	0	NR
430	117	NR	560	475	NR	690	72	NR	820	2	NR	950	0	NR
435	199	NR	565	481	NR	695	62	NR	825	1	NR	955	0	NR
440	324	NR	570	483	NR	700	54	NR	830	1	NR	960	0	NR
445	548	NR	575	489	NR	705	46	NR	835	1	NR	965	0	NR
450	887	NR	580	491	NR	710	40	NR	840	1	NR	970	0	NR
455	983	NR	585	490	NR	715	34	NR	845	1	NR	975	0	NR
460	710	NR	590	488	NR	720	29	NR	850	1	NR	980	0	NR
465	510	NR	595	480	NR	725	25	NR	855	1	NR	985	0	NR
470	400	NR	600	467	NR	730	21	NR	860	1	NR	990	0	NR
475	287	NR	605	452	NR	735	18	NR	865	1	NR	995	0	NR
480	225	NR	610	433	NR	740	16	NR	870	1	NR	1000	0	NR
485	212	NR	615	409	NR	745	13	NR	875	0	NR			

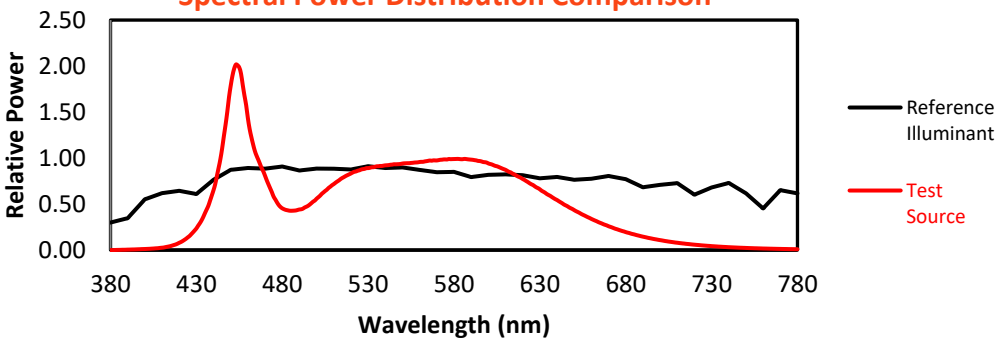
REPORT NUMBER: SP3-2602-684-5

TM-30-18

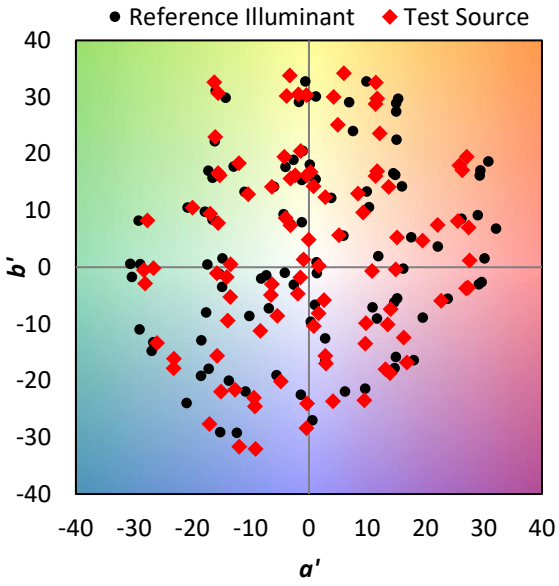
Summary

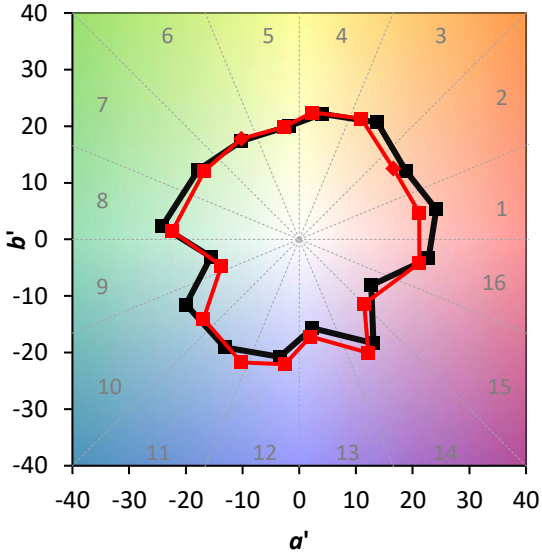
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R_g = 95.3
CIE R_a = 84.2
R_9 = 14.9

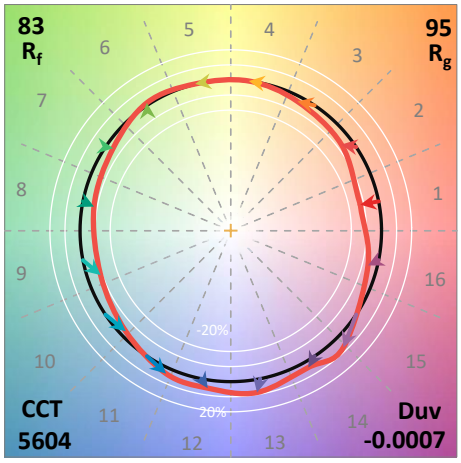
Spectral Power Distribution Comparison

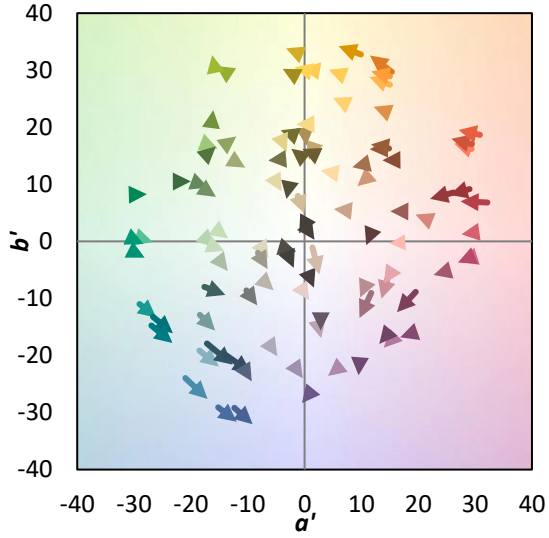


Color Vector Graphics







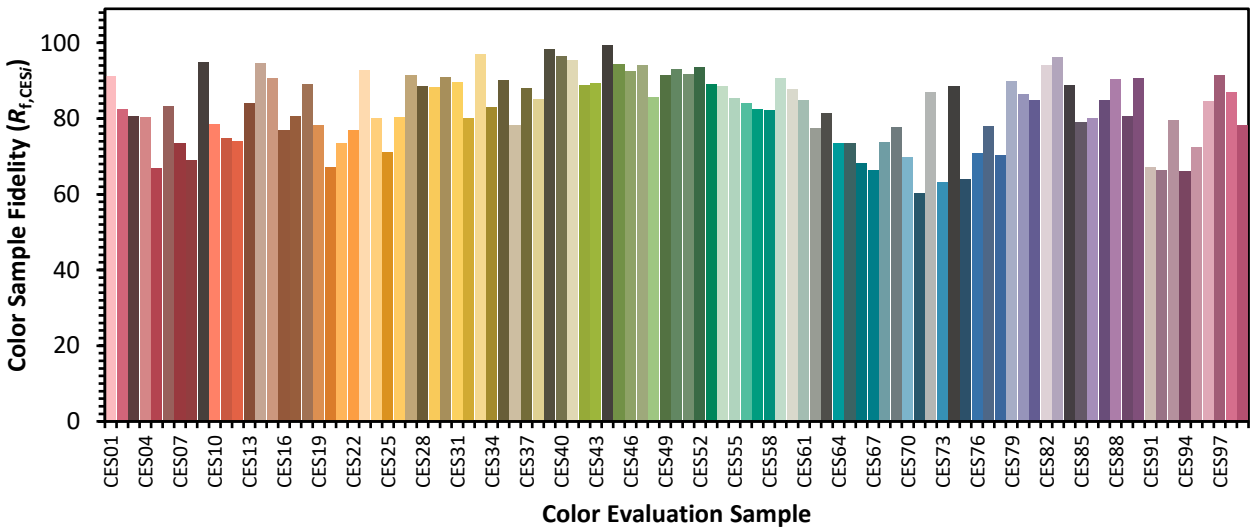


REPORT NUMBER: SP3-2602-684-5

TM-30-18

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

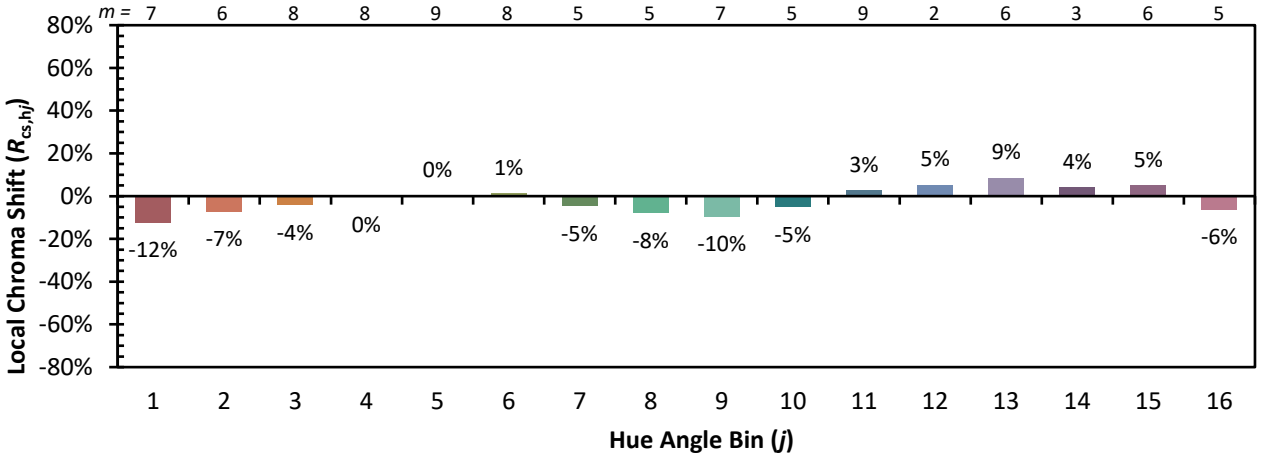
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 78
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 88	CES54 = 88	CES79 = 90
CES05 = 46	CES30 = 91	CES55 = 85	CES80 = 87
CES06 = 50	CES31 = 90	CES56 = 84	CES81 = 85
CES07 = 39	CES32 = 80	CES57 = 82	CES82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

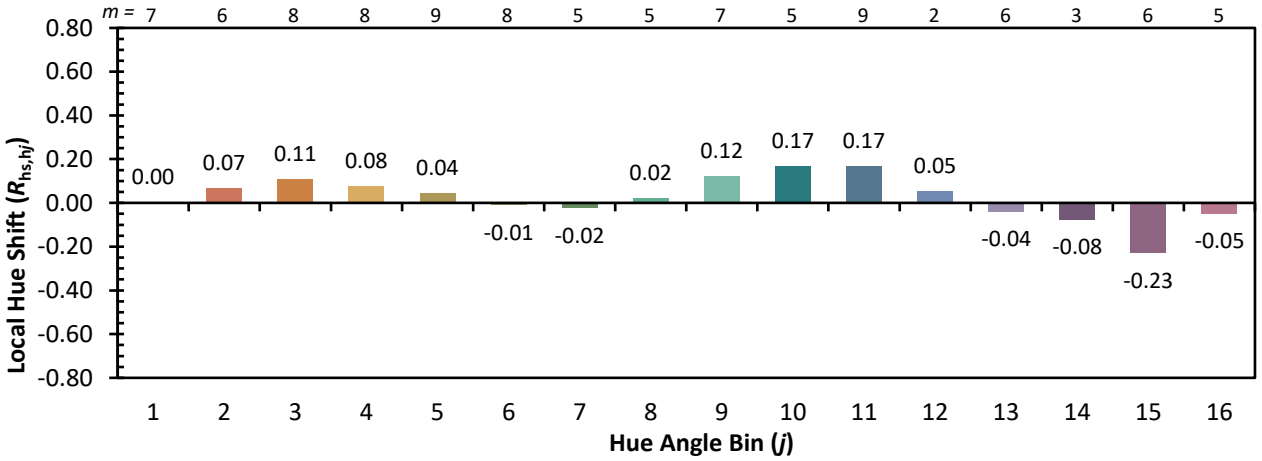


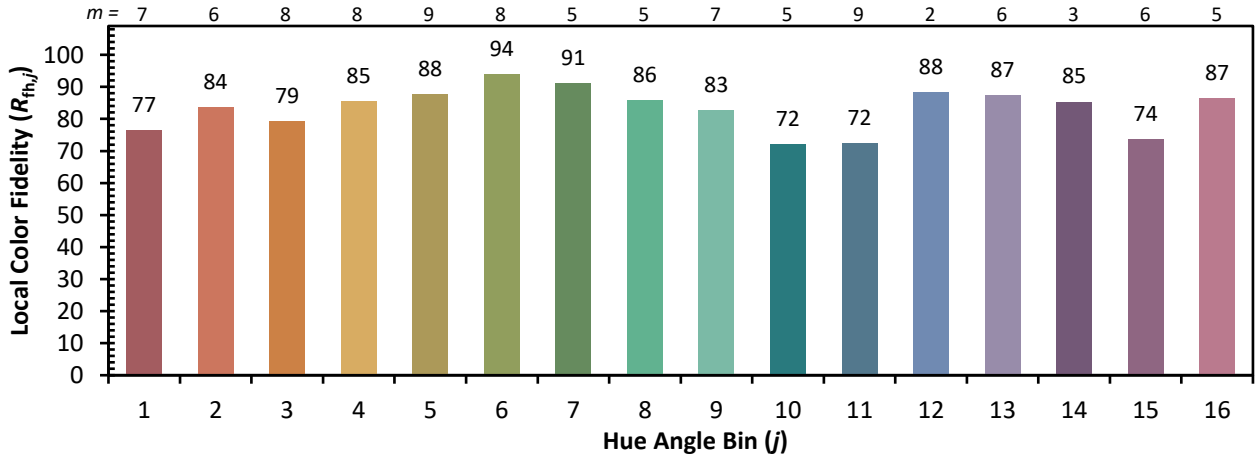
REPORT NUMBER: SP3-2602-684-5

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Color Rendition by Hue-Angle Bin



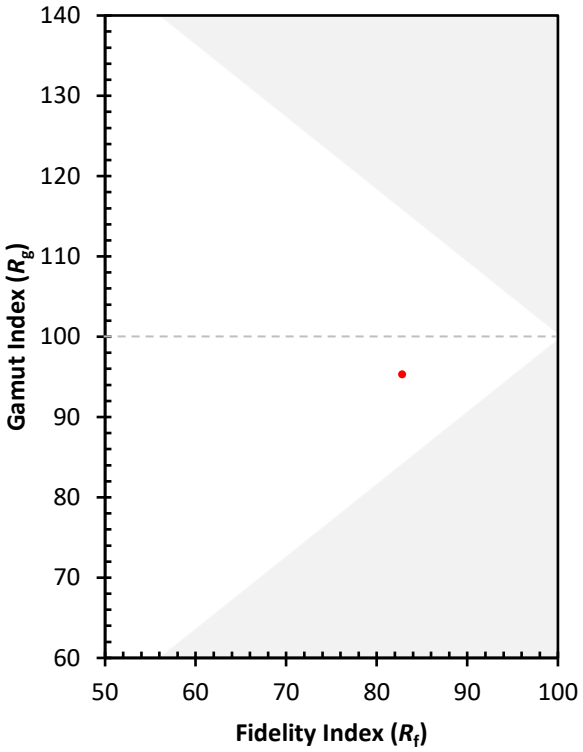


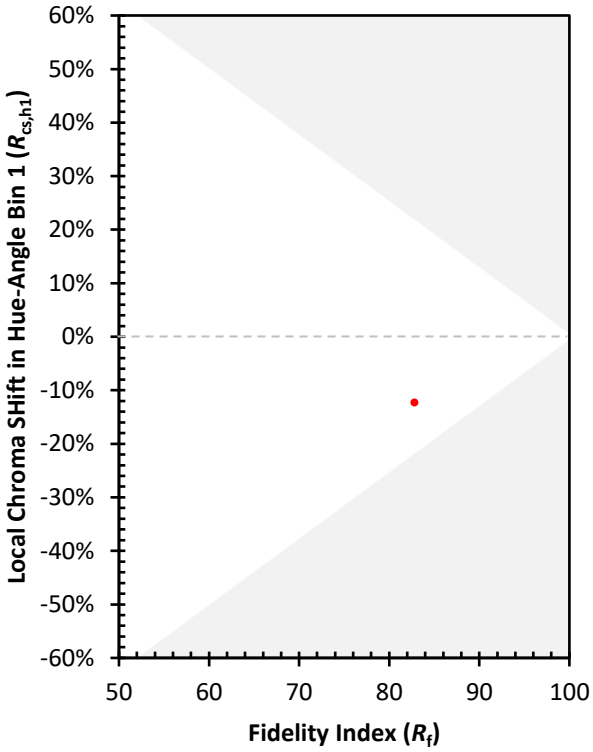


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Measure Comparisons





(END OF REPORT)