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: P1594597

Luminaire Tested: FLXB-2436-M-HI-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:	P1594597
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601783A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-2436-M-HI-5700K
Description:	2436 FlexBay Linear High bay at M beam, HI lumen, 5700K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36943.0 lumens
Efficiency:	N/A
Efficacy:	157.5 lumens/watt
Spacing Criteria (0/90/45):	1.36 / 1.14 / 1.25
Luminous Opening:	Rectangular (W 1.04' x L: 1.48' x H: 0')
CIE Type:	Direct

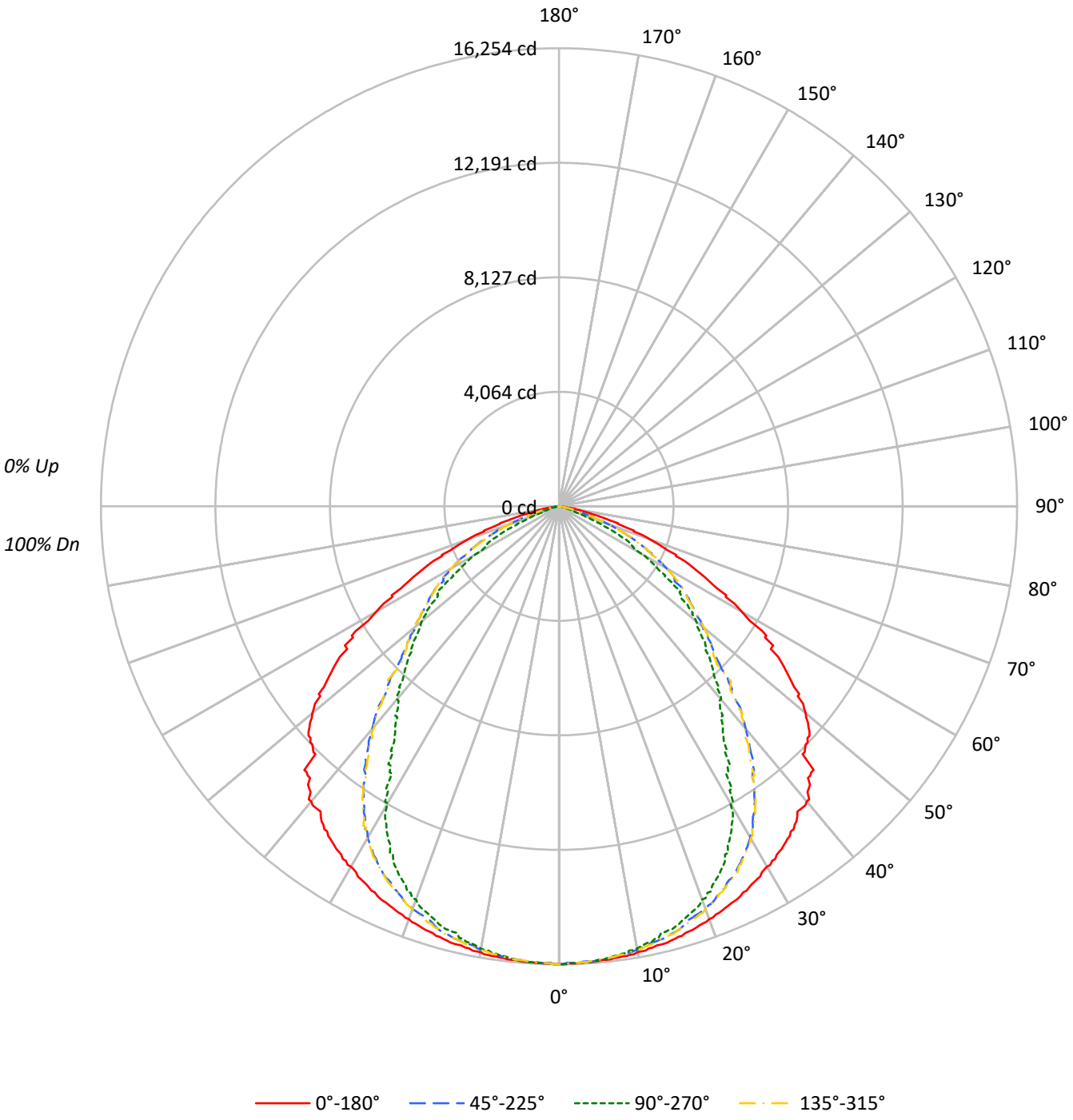
Input Watts (W):	234.5
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	89	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	63	59	57
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	43	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	113471	113471	113471	113471
5°	113541	113287	113541	113287
10°	113972	113018	113972	113018
15°	114907	112336	114907	112336
20°	115868	110354	115868	110354
25°	117577	107306	117577	107306
30°	119120	98115	119120	98115
35°	121773	86955	121773	86955
40°	124689	81546	124689	81546
45°	121799	74390	121799	74390
50°	124107	69070	124107	69070
55°	117157	63950	117157	63950
60°	104835	49284	104835	49284
65°	89220	36301	89220	36301
70°	70515	17046	70515	17046
75°	47953	6721	47953	6721
80°	24511	3552	24511	3552
85°	9875	2741	9875	2741

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 48°
Luminance: 124874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1537.7	4.2
10°-20°	4423.8	12.0
20°-30°	6686.5	18.1
30°-40°	7572.7	20.5
40°-50°	6850.1	18.5
50°-60°	5466.0	14.8
60°-70°	3318.7	9.0
70°-80°	998.0	2.7
80°-90°	89.5	0.2
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°	12647.9	34.2
0°-40°	20220.7	54.7
0°-60°	32536.8	88.1
0°-90°	36943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36943.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	16244	16244	16244	16244	16244	
5°	16192	16156	16192	16156	16192	1542
15°	15889	15533	15889	15533	15889	4491
25°	15254	13922	15254	13922	15254	7034
35°	14280	10197	14280	10197	14280	8925
45°	12329	7530	12329	7530	12329	9688
55°	9620	5251	9620	5251	9620	8575
65°	5398	2196	5398	2196	5398	5343
75°	1777	249	1777	249	1777	1947
85°	123	34	123	34	123	198
90°	2	3	2	3	2	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	16243.7	16243.7	16243.7	*16243.7*	16243.7	16243.7	16243.7	16243.7	16243.7	16243.7	16243.7
0.5°	16243.7	16243.7	16243.7	*16243.7*	16243.7	16243.7	16243.7	16243.7	16243.7	16243.7	16243.7
1°	*16212.3*	*16220.9*	*16183.3*	*16253.8*	*16208.4*	*16233.4*	*16212.3*	*16220.9*	*16183.3*	*16253.8*	*16208.4*
1.5°	16227.5	16235.4	16183.3	*16220.9*	16208.4	16217.6	16227.5	16235.4	16183.3	16220.9	16208.4
2°	16227.5	16243.9	16192.5	*16220.9*	16186.0	16220.2	16227.5	16243.9	16192.5	16220.9	16186.0
2.5°	16217.0	16241.9	16192.5	*16209.8*	16206.4	16228.9	16217.0	16241.9	16192.5	16209.8	16206.4
3°	16217.0	16211.6	16143.8	*16209.8*	16197.9	16196.5	16217.0	16211.6	16143.8	16209.8	16197.9
3.5°	16202.4	16210.4	16143.8	*16210.4*	16197.9	16205.1	16202.4	16210.4	16143.8	16210.4	16197.9
4°	16202.4	16220.2	16159.6	*16210.4*	16152.4	16204.4	16202.4	16220.2	16159.6	16210.4	16152.4
4.5°	16210.4	16217.0	16159.6	*16168.2*	16130.0	16185.3	16210.4	16217.0	16159.6	16168.2	16130.0
5°	16191.8	16196.5	16120.1	*16155.6*	16130.0	16181.4	16191.8	16196.5	16120.1	16155.6	16130.0
5.5°	16171.5	16168.2	16129.3	*16157.0*	16134.0	16178.1	16171.5	16168.2	16129.3	16157.0	16134.0
6°	16180.8	16170.9	16092.4	*16139.9*	16134.0	16160.3	16180.8	16170.9	16092.4	16139.9	16134.0
6.5°	16180.8	16177.4	16074.7	*16110.2*	16077.9	16149.8	16180.8	16177.4	16074.7	16110.2	16077.9
7°	16147.1	16161.7	16074.7	*16076.0*	16057.6	16149.8	16147.1	16161.7	16074.7	16076.0	16057.6
7.5°	16147.1	16137.9	16020.6	*16076.0*	16057.6	16100.3	16147.1	16137.9	16020.6	16076.0	16057.6
8°	16130.0	16137.9	16020.6	*16029.1*	16019.4	16097.6	16130.0	16137.9	16020.6	16029.1	16019.4
8.5°	16130.0	16110.9	15994.9	*16029.1*	16019.4	16095.1	16130.0	16110.9	15994.9	16029.1	16019.4
9°	16116.1	16097.6	15994.9	*15965.9*	15971.3	16066.1	16116.1	16097.6	15994.9	15965.9	15971.3
9.5°	16116.1	16069.3	15934.9	*15965.9*	15949.5	16045.0	16116.1	16069.3	15934.9	15965.9	15949.5
10°	16067.5	16033.8	15922.5	*15933.1*	15940.3	16037.8	16067.5	16033.8	15922.5	15933.1	15940.3
10.5°	16065.5	16033.8	15872.4	*15885.6*	15898.7	16018.7	16065.5	16033.8	15872.4	15885.6	15898.7
11°	16062.8	16021.2	15737.3	*15838.7*	15868.4	15993.6	16062.8	16021.2	15737.3	15838.7	15868.4
11.5°	16007.5	15994.9	15737.3	*15800.7*	15819.1	15983.0	16007.5	15994.9	15737.3	15800.7	15819.1
12°	16007.5	15950.8	15716.9	*15800.7*	15819.1	15957.4	16007.5	15950.8	15716.9	15800.7	15819.1
12.5°	15965.9	15938.9	15716.9	*15718.9*	15748.6	15920.5	15965.9	15938.9	15716.9	15718.9	15748.6
13°	15965.9	15896.1	15701.8	*15718.9*	15748.6	15894.2	15965.9	15896.1	15701.8	15718.9	15748.6
13.5°	15965.9	15869.7	15701.8	*15565.4*	15682.7	15856.0	15965.9	15869.7	15701.8	15565.4	15682.7
14°	15946.8	15831.5	15664.9	*15565.4*	15682.7	15822.3	15946.8	15831.5	15664.9	15565.4	15682.7
14.5°	15913.3	15801.2	15614.8	*15533.2*	15620.0	15810.6	15913.3	15801.2	15614.8	15533.2	15620.0
15°	15888.8	15790.8	15556.2	*15533.2*	15620.0	15785.4	15888.8	15790.8	15556.2	15533.2	15620.0
15.5°	15853.3	15778.2	15509.4	*15473.9*	15520.7	15747.2	15853.3	15778.2	15509.4	15473.9	15520.7
16°	15853.3	15741.4	15462.0	*15431.0*	15473.9	15723.6	15853.3	15741.4	15462.0	15431.0	15473.9
16.5°	15794.0	15684.7	15362.6	*15348.1*	15456.1	15693.9	15794.0	15684.7	15362.6	15348.1	15456.1
17°	15775.6	15498.9	15362.6	*15287.4*	15334.8	15651.7	15775.6	15498.9	15362.6	15287.4	15334.8
17.5°	15759.8	15464.7	15275.7	*15223.5*	15334.8	15622.7	15759.8	15464.7	15275.7	15223.5	15334.8
18°	15730.1	15464.7	15229.4	*15164.2*	15246.7	15600.9	15730.1	15464.7	15229.4	15164.2	15246.7
18.5°	15691.9	15435.7	15156.3	*15115.5*	15246.7	15506.8	15691.9	15435.7	15156.3	15115.5	15246.7
19°	15657.7	15384.9	15156.3	*15058.1*	15144.4	15483.8	15657.7	15384.9	15156.3	15058.1	15144.4
19.5°	15644.5	15384.9	15072.7	*14983.7*	15144.4	15452.1	15644.5	15384.9	15072.7	14983.7	15144.4
20°	15586.5	15355.9	15072.7	*14844.8*	15008.9	15403.4	15586.5	15355.9	15072.7	14844.8	15008.9
20.5°	15586.5	15355.9	14888.9	*14844.8*	14948.2	15362.0	15586.5	15355.9	14888.9	14844.8	14948.2
21°	15519.3	15303.3	14888.9	*14687.3*	14900.1	15329.6	15519.3	15303.3	14888.9	14687.3	14900.1
21.5°	15497.5	15303.3	14767.7	*14687.3*	14732.9	15281.5	15497.5	15303.3	14767.7	14687.3	14732.9
22°	15470.6	15196.6	14680.7	*14504.9*	14732.9	15236.8	15470.6	15196.6	14680.7	14504.9	14732.9

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	15427.8	15141.3	14612.2	*14427.9*	14549.0	15200.6	15427.8	15141.3	14612.2	14427.9	14549.0
23°	15387.6	15104.4	14498.3	*14338.9*	14549.0	15150.5	15387.6	15104.4	14498.3	14338.9	14549.0
23.5°	15352.7	15104.4	14455.5	*14251.9*	14486.4	15051.6	15352.7	15104.4	14455.5	14251.9	14486.4
24°	15333.0	15016.7	14252.6	*14131.4*	14383.0	15012.7	15333.0	15016.7	14252.6	14131.4	14383.0
24.5°	15300.6	14962.1	14176.2	*14028.0*	14325.6	14950.9	15300.6	14962.1	14176.2	14028.0	14325.6
25°	15254.5	14903.5	14176.2	*13921.9*	14233.5	14891.6	15254.5	14903.5	14176.2	13921.9	14233.5
25.5°	15176.1	14834.2	14115.5	*13688.0*	14055.7	14854.0	15176.1	14834.2	14115.5	13688.0	14055.7
26°	15176.1	14800.6	13929.1	*13688.0*	14055.7	14854.0	15176.1	14800.6	13929.1	13688.0	14055.7
26.5°	15111.6	14742.1	13801.9	*13416.0*	13840.2	14713.8	15111.6	14742.1	13801.9	13416.0	13840.2
27°	15058.8	14674.2	13706.4	*13313.2*	13762.4	14713.8	15058.8	14674.2	13706.4	13313.2	13762.4
27.5°	15020.6	14598.5	13559.6	*13163.6*	13647.2	14586.6	15020.6	14598.5	13559.6	13163.6	13647.2
28°	14982.4	14555.6	13480.5	*13031.2*	13543.0	14586.6	14982.4	14555.6	13480.5	13031.2	13543.0
28.5°	14950.2	14436.4	13329.7	*12838.9*	13392.2	14469.3	14950.2	14436.4	13329.7	12838.9	13392.2
29°	14853.4	14362.0	13226.3	*12715.0*	13294.1	14327.0	14853.4	14362.0	13226.3	12715.0	13294.1
29.5°	14799.4	14294.1	13064.2	*12532.6*	13160.4	14327.0	14799.4	14294.1	13064.2	12532.6	13160.4
30°	14767.7	14210.3	12961.5	*12163.7*	13038.5	14187.4	14767.7	14210.3	12961.5	12163.7	13038.5
30.5°	14767.7	14152.5	12656.5	*12163.7*	12877.7	14187.4	14767.7	14152.5	12656.5	12163.7	12877.7
31°	14681.4	14066.2	12656.5	*11750.0*	12556.3	14033.9	14681.4	14066.2	12656.5	11750.0	12556.3
31.5°	14681.4	13978.6	12313.3	*11750.0*	12556.3	14033.9	14681.4	13978.6	12313.3	11750.0	12556.3
32°	14577.3	13883.7	12093.2	*11188.8*	12227.0	13859.3	14577.3	13883.7	12093.2	11188.8	12227.0
32.5°	14537.8	13810.5	11958.8	*11188.8*	12047.0	13859.3	14537.8	13810.5	11958.8	11188.8	12047.0
33°	14497.6	13637.3	11741.5	*10972.0*	11845.6	13685.4	14497.6	13637.3	11741.5	10972.0	11845.6
33.5°	14438.3	13637.3	11562.2	*10972.0*	11663.7	13593.8	14438.3	13637.3	11562.2	10972.0	11663.7
34°	14378.4	13439.0	11335.6	*10532.1*	11460.8	13481.9	14378.4	13439.0	11335.6	10532.1	11460.8
34.5°	14319.8	13328.4	11154.5	*10532.1*	11234.2	13269.0	14319.8	13328.4	11154.5	10532.1	11234.2
35°	14279.6	13230.2	10981.9	*10196.7*	11018.1	13269.0	14279.6	13230.2	10981.9	10196.7	11018.1
35.5°	14169.6	13112.3	10523.4	*10054.5*	10582.7	13025.3	14169.6	13112.3	10523.4	10054.5	10582.7
36°	14169.6	12979.9	10411.4	*9885.7*	10582.7	13025.3	14169.6	12979.9	10411.4	9885.7	10582.7
36.5°	14053.0	12846.9	10411.4	*9779.6*	10161.0	12751.3	14053.0	12846.9	10411.4	9779.6	10161.0
37°	14003.5	12714.3	10024.1	*9618.2*	9829.1	12751.3	14003.5	12714.3	10024.1	9618.2	9829.1
37.5°	13885.7	12584.6	10002.3	*9431.2*	9713.8	12454.9	13885.7	12584.6	10002.3	9431.2	9713.8
38°	13745.3	12408.8	9691.5	*9431.2*	9466.1	12454.9	13745.3	12408.8	9691.5	9431.2	9466.1
38.5°	13745.3	12056.9	9640.7	*9190.7*	9468.1	12111.0	13745.3	12056.9	9640.7	9190.7	9468.1
39°	13745.3	12056.9	9408.1	*9066.9*	9278.4	11737.5	13745.3	12056.9	9408.1	9066.9	9278.4
39.5°	13745.3	11694.1	9298.2	*8942.4*	9180.2	11737.5	13745.3	11694.1	9298.2	8942.4	9180.2
40°	13673.6	11484.6	9142.6	*8942.4*	9074.8	11298.1	13673.6	11484.6	9142.6	8942.4	9074.8
40.5°	13673.6	11224.3	9052.5	*8843.0*	8965.5	11298.1	13673.6	11224.3	9052.5	8843.0	8965.5
41°	13436.4	10997.8	8918.8	*8568.3*	8931.3	10800.7	13436.4	10997.8	8918.8	8568.3	8931.3
41.5°	13377.1	10722.9	8819.9	*8568.3*	8842.3	10800.7	13377.1	10722.9	8819.9	8568.3	8842.3
42°	13304.7	10479.3	8719.2	*8292.3*	8747.5	9997.8	13304.7	10479.3	8719.2	8292.3	8747.5
42.5°	13072.8	9766.5	8601.2	*8150.0*	8580.1	9997.8	13072.8	9766.5	8601.2	8150.0	8580.1
43°	13072.8	9497.8	8439.8	*8036.1*	8462.3	9319.3	13072.8	9497.8	8439.8	8036.1	8462.3
43.5°	13007.6	9497.8	8341.6	*7909.5*	8367.4	9319.3	13007.6	9497.8	8341.6	7909.5	8367.4
44°	13007.6	9244.2	8090.7	*7775.1*	8202.7	9319.3	13007.6	9244.2	8090.7	7775.1	8202.7
44.5°	12329.0	8981.3	8090.7	*7657.2*	8111.8	9319.3	12329.0	8981.3	8090.7	7657.2	8111.8

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	12329.0	8353.5	7949.1	*7530.1*	7419.4	8436.5	12329.0	8353.5	7949.1	7530.1	7419.4
45.5°	12248.6	8115.0	7863.5	*7294.2*	7325.9	8271.9	12248.6	8115.0	7863.5	7294.2	7325.9
46°	12163.0	7919.4	7625.7	*7294.2*	7209.9	8015.0	12163.0	7919.4	7625.7	7294.2	7209.9
46.5°	12163.0	7741.5	7625.7	*7162.5*	7209.9	7876.6	12163.0	7741.5	7625.7	7162.5	7209.9
47°	12056.4	7585.4	7387.2	*7084.7*	7102.5	7658.5	12056.4	7585.4	7387.2	7084.7	7102.5
47.5°	12056.4	7439.2	7265.9	*6896.3*	7102.5	7541.9	12056.4	7439.2	7265.9	6896.3	7102.5
48°	11961.4	7325.9	7157.3	*6757.4*	7102.5	7371.3	11961.4	7325.9	7157.3	6757.4	7102.5
48.5°	11821.8	7073.6	7027.4	*6636.8*	6941.1	7257.4	11821.8	7073.6	7027.4	6636.8	6941.1
49°	11699.3	7073.6	6913.5	*6498.5*	6941.1	7116.4	11699.3	7073.6	6913.5	6498.5	6941.1
49.5°	11537.2	6717.2	6752.1	*6456.3*	6833.2	6864.2	11537.2	6717.2	6752.1	6456.3	6833.2
50°	11419.9	6717.2	6652.0	*6355.6*	6684.9	6766.0	11419.9	6717.2	6652.0	6355.6	6684.9
50.5°	11269.8	6619.7	6512.3	*6256.7*	6567.0	6644.8	11269.8	6619.7	6512.3	6256.7	6567.0
51°	11140.0	6511.7	6401.6	*6071.7*	6412.9	6539.4	11140.0	6511.7	6401.6	6071.7	6412.9
51.5°	10819.8	6405.0	6149.9	*6071.7*	6159.3	6419.4	10819.8	6405.0	6149.9	6071.7	6159.3
52°	10819.8	6299.6	6149.9	*5838.4*	6159.3	6324.6	10819.8	6299.6	6149.9	5838.4	6159.3
52.5°	10503.7	6210.6	5899.7	*5756.8*	5892.5	6218.5	10503.7	6210.6	5899.7	5756.8	5892.5
53°	10319.9	6113.7	5803.5	*5448.4*	5756.8	6116.4	10319.9	6113.7	5803.5	5448.4	5756.8
53.5°	10156.5	6012.4	5656.6	*5343.7*	5656.6	6018.9	10156.5	6012.4	5656.6	5343.7	5656.6
54°	9960.8	5819.3	5615.9	*5343.7*	5532.1	5815.4	9960.8	5819.3	5615.9	5343.7	5532.1
54.5°	9805.4	5819.3	5499.9	*5250.9*	5476.8	5720.6	9805.4	5819.3	5499.9	5250.9	5476.8
55°	9619.6	5623.7	5447.1	*5250.9*	5353.6	5628.3	9619.6	5623.7	5447.1	5250.9	5353.6
55.5°	9444.5	5528.2	5325.9	*4949.2*	5304.2	5531.4	9444.5	5528.2	5325.9	4949.2	5304.2
56°	9062.4	5443.2	5229.1	*4829.9*	5138.9	5432.0	9062.4	5443.2	5229.1	4829.9	5138.9
56.5°	9062.4	5347.7	5117.8	*4493.2*	5138.9	5362.1	9062.4	5347.7	5117.8	4493.2	5138.9
57°	9062.4	5296.3	4474.8	*4493.2*	4935.3	5268.0	9062.4	5296.3	4474.8	4493.2	4935.3
57.5°	8669.7	5296.3	4474.8	*4203.5*	4935.3	5200.8	8669.7	5296.3	4474.8	4203.5	4935.3
58°	8669.7	5238.3	4388.5	*4063.2*	4688.3	5110.6	8669.7	5238.3	4388.5	4063.2	4688.3
58.5°	8466.8	5238.3	4388.5	*3928.8*	4573.7	5009.7	8466.8	5238.3	4388.5	3928.8	4573.7
59°	7898.4	4926.8	4269.3	*3801.0*	4396.5	4931.3	7898.4	4926.8	4269.3	3801.0	4396.5
59.5°	7705.3	4814.8	4269.3	*3650.1*	4326.0	4777.3	7705.3	4814.8	4269.3	3650.1	4326.0
60°	7503.7	4753.5	4103.9	*3527.6*	4161.9	4690.3	7503.7	4753.5	4103.9	3527.6	4161.9
60.5°	7304.8	4597.3	3951.1	*3123.1*	3996.6	4622.4	7304.8	4597.3	3951.1	3123.1	3996.6
61°	7107.2	4597.3	3814.2	*2996.0*	3867.5	4541.3	7107.2	4597.3	3814.2	2996.0	3867.5
61.5°	6725.1	4426.0	3620.5	*2996.0*	3538.1	4347.8	6725.1	4426.0	3620.5	2996.0	3538.1
62°	6725.1	4426.0	3482.7	*2876.7*	3538.1	4242.4	6725.1	4426.0	3482.7	2876.7	3538.1
62.5°	6333.1	4222.6	3181.7	*2876.7*	3243.0	4242.4	6333.1	4222.6	3181.7	2876.7	3243.0
63°	6148.8	4222.6	3181.7	*2758.8*	3093.4	4148.2	6148.8	4222.6	3181.7	2758.8	3093.4
63.5°	5957.7	4086.8	2923.5	*2670.6*	2956.5	4148.2	5957.7	4086.8	2923.5	2670.6	2956.5
64°	5777.2	4011.1	2923.5	*2457.8*	2826.6	4074.3	5777.2	4011.1	2923.5	2457.8	2826.6
64.5°	5580.8	3899.8	2673.8	*2339.8*	2711.3	3805.0	5580.8	3899.8	2673.8	2339.8	2711.3
65°	5397.7	3712.0	2673.8	*2196.2*	2550.6	3805.0	5397.7	3712.0	2673.8	2196.2	2550.6
65.5°	5212.0	3712.0	2424.8	*2052.0*	2328.0	3569.0	5212.0	3712.0	2424.8	2052.0	2328.0
66°	5040.7	3482.2	2424.8	*1929.4*	2185.8	3569.0	5040.7	3482.2	2424.8	1929.4	2185.8
66.5°	4856.2	3482.2	2143.5	*1629.7*	2185.8	3415.5	4856.2	3482.2	2143.5	1629.7	2185.8
67°	4499.9	3295.0	2003.3	*1629.7*	2048.0	3415.5	4499.9	3295.0	2003.3	1629.7	2048.0

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Scaled Data Report

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	4499.9	3295.0	1818.1	1363.6	1924.2	3162.6	4499.9	3295.0	1818.1	1363.6	1924.2
68°	4151.4	3081.0	1669.9	1235.1	1675.8	3053.9	4151.4	3081.0	1669.9	1235.1	1675.8
68.5°	3979.4	3081.0	1669.9	1139.6	1579.6	2920.1	3979.4	3081.0	1669.9	1139.6	1579.6
69°	3798.9	2810.2	1471.0	1006.5	1465.0	2920.1	3798.9	2810.2	1471.0	1006.5	1465.0
69.5°	3621.8	2674.5	1380.7	957.7	1348.4	2654.0	3621.8	2674.5	1380.7	957.7	1348.4
70°	3452.5	2524.3	1283.2	834.6	1245.6	2405.7	3452.5	2524.3	1283.2	834.6	1245.6
70.5°	3297.7	2243.7	1224.6	689.1	1127.1	2405.7	3297.7	2243.7	1224.6	689.1	1127.1
71°	3123.8	2243.7	1102.0	596.8	1038.2	2100.1	3123.8	2243.7	1102.0	596.8	1038.2
71.5°	2795.1	1957.8	934.8	596.8	839.9	2100.1	2795.1	1957.8	934.8	596.8	839.9
72°	2795.1	1957.8	934.8	528.9	839.9	1858.3	2795.1	1957.8	934.8	528.9	839.9
72.5°	2479.5	1691.1	754.3	528.9	681.2	1858.3	2479.5	1691.1	754.3	528.9	681.2
73°	2341.8	1691.1	708.2	443.9	589.6	1624.4	2341.8	1691.1	708.2	443.9	589.6
73.5°	2173.2	1433.5	595.4	357.1	534.9	1624.4	2173.2	1433.5	595.4	357.1	534.9
74°	2173.2	1310.2	572.5	357.1	503.2	1392.6	2173.2	1310.2	572.5	357.1	503.2
74.5°	1893.2	1204.9	473.6	278.0	450.6	1392.6	1893.2	1204.9	473.6	278.0	450.6
75°	1776.7	1103.4	454.5	249.0	411.1	1177.8	1776.7	1103.4	454.5	249.0	411.1
75.5°	1624.4	1103.4	416.9	233.3	386.6	978.8	1624.4	1103.4	416.9	233.3	386.6
76°	1518.5	1015.0	390.6	233.3	332.0	978.8	1518.5	1015.0	390.6	233.3	332.0
76.5°	1379.4	1015.0	349.1	198.9	311.5	793.2	1379.4	1015.0	349.1	198.9	311.5
77°	1156.1	658.1	266.8	185.8	256.2	793.2	1156.1	658.1	266.8	185.8	256.2
77.5°	1156.1	658.1	266.8	163.4	256.2	625.8	1156.1	658.1	266.8	163.4	256.2
78°	955.2	511.8	211.5	160.7	206.8	625.8	955.2	511.8	211.5	160.7	206.8
78.5°	878.8	511.8	206.1	143.6	185.2	500.1	878.8	511.8	206.1	143.6	185.2
79°	770.0	359.0	183.2	117.3	164.7	500.1	770.0	359.0	183.2	117.3	164.7
79.5°	708.9	310.9	176.0	117.3	131.1	404.5	708.9	310.9	176.0	117.3	131.1
80°	609.3	247.0	155.5	88.3	123.8	311.5	609.3	247.0	155.5	88.3	123.8
80.5°	561.9	187.7	148.8	88.3	101.4	311.5	561.9	187.7	148.8	88.3	101.4
81°	472.9	187.7	118.0	77.8	95.5	218.7	472.9	187.7	118.0	77.8	95.5
81.5°	434.0	136.4	112.6	74.4	78.4	218.7	434.0	136.4	112.6	74.4	78.4
82°	357.1	136.4	85.6	70.5	78.4	150.2	357.1	136.4	85.6	70.5	78.4
82.5°	262.1	119.2	68.5	65.2	66.5	150.2	262.1	119.2	68.5	65.2	66.5
83°	262.1	105.4	61.3	52.1	66.5	113.3	262.1	105.4	61.3	52.1	66.5
83.5°	190.4	92.2	56.0	43.4	52.6	113.3	190.4	92.2	56.0	43.4	52.6
84°	176.0	79.8	52.1	43.4	48.1	86.3	176.0	79.8	52.1	43.4	48.1
84.5°	133.1	56.0	43.4	39.5	42.9	86.3	133.1	56.0	43.4	39.5	42.9
85°	123.2	56.0	42.2	34.2	38.2	65.2	123.2	56.0	42.2	34.2	38.2
85.5°	90.3	41.6	35.5	33.5	31.7	46.8	90.3	41.6	35.5	33.5	31.7
86°	82.3	34.2	33.0	27.0	25.6	46.8	82.3	34.2	33.0	27.0	25.6
86.5°	58.0	27.7	29.0	25.0	24.3	44.7	58.0	27.7	29.0	25.0	24.3
87°	36.9	21.8	20.4	13.9	14.4	44.7	36.9	21.8	20.4	13.9	14.4
87.5°	36.9	16.4	13.2	13.9	14.4	43.4	36.9	16.4	13.2	13.9	14.4
88°	20.4	9.9	12.6	9.2	9.2	43.4	20.4	9.9	12.6	9.2	9.2
88.5°	20.4	8.5	12.6	8.5	7.2	43.4	20.4	8.5	12.6	8.5	7.2
89°	11.9	6.5	7.9	8.5	4.0	43.4	11.9	6.5	7.9	8.5	4.0
89.5°	11.9	6.5	7.9	5.9	4.0	43.4	11.9	6.5	7.9	5.9	4.0

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Scaled Data Report

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	2.0	3.3	4.0	*2.7*	4.0	43.4	2.0	3.3	4.0	2.7	4.0

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Scaled Data Report

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	16243.7	16243.7
0.5°	16243.7	16243.7
1°	*16233.4*	*16212.3*
1.5°	16217.6	16227.5
2°	16220.2	16227.5
2.5°	16228.9	16217.0
3°	16196.5	16217.0
3.5°	16205.1	16202.4
4°	16204.4	16202.4
4.5°	16185.3	16210.4
5°	16181.4	16191.8
5.5°	16178.1	16171.5
6°	16160.3	16180.8
6.5°	16149.8	16180.8
7°	16149.8	16147.1
7.5°	16100.3	16147.1
8°	16097.6	16130.0
8.5°	16095.1	16130.0
9°	16066.1	16116.1
9.5°	16045.0	16116.1
10°	16037.8	16067.5
10.5°	16018.7	16065.5
11°	15993.6	16062.8
11.5°	15983.0	16007.5
12°	15957.4	16007.5
12.5°	15920.5	15965.9
13°	15894.2	15965.9
13.5°	15856.0	15965.9
14°	15822.3	15946.8
14.5°	15810.6	15913.3
15°	15785.4	15888.8
15.5°	15747.2	15853.3
16°	15723.6	15853.3
16.5°	15693.9	15794.0
17°	15651.7	15775.6
17.5°	15622.7	15759.8
18°	15600.9	15730.1
18.5°	15506.8	15691.9
19°	15483.8	15657.7
19.5°	15452.1	15644.5
20°	15403.4	15586.5
20.5°	15362.0	15586.5
21°	15329.6	15519.3
21.5°	15281.5	15497.5
22°	15236.8	15470.6

TEST NUMBER: P1594597
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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	15200.6	15427.8
23°	15150.5	15387.6
23.5°	15051.6	15352.7
24°	15012.7	15333.0
24.5°	14950.9	15300.6
25°	14891.6	15254.5
25.5°	14854.0	15176.1
26°	14854.0	15176.1
26.5°	14713.8	15111.6
27°	14713.8	15058.8
27.5°	14586.6	15020.6
28°	14586.6	14982.4
28.5°	14469.3	14950.2
29°	14327.0	14853.4
29.5°	14327.0	14799.4
30°	14187.4	14767.7
30.5°	14187.4	14767.7
31°	14033.9	14681.4
31.5°	14033.9	14681.4
32°	13859.3	14577.3
32.5°	13859.3	14537.8
33°	13685.4	14497.6
33.5°	13593.8	14438.3
34°	13481.9	14378.4
34.5°	13269.0	14319.8
35°	13269.0	14279.6
35.5°	13025.3	14169.6
36°	13025.3	14169.6
36.5°	12751.3	14053.0
37°	12751.3	14003.5
37.5°	12454.9	13885.7
38°	12454.9	13745.3
38.5°	12111.0	13745.3
39°	11737.5	13745.3
39.5°	11737.5	13745.3
40°	11298.1	13673.6
40.5°	11298.1	13673.6
41°	10800.7	13436.4
41.5°	10800.7	13377.1
42°	9997.8	13304.7
42.5°	9997.8	13072.8
43°	9319.3	13072.8
43.5°	9319.3	13007.6
44°	9319.3	13007.6
44.5°	9319.3	12329.0

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	8436.5	12329.0
45.5°	8271.9	12248.6
46°	8015.0	12163.0
46.5°	7876.6	12163.0
47°	7658.5	12056.4
47.5°	7541.9	12056.4
48°	7371.3	11961.4
48.5°	7257.4	11821.8
49°	7116.4	11699.3
49.5°	6864.2	11537.2
50°	6766.0	11419.9
50.5°	6644.8	11269.8
51°	6539.4	11140.0
51.5°	6419.4	10819.8
52°	6324.6	10819.8
52.5°	6218.5	10503.7
53°	6116.4	10319.9
53.5°	6018.9	10156.5
54°	5815.4	9960.8
54.5°	5720.6	9805.4
55°	5628.3	9619.6
55.5°	5531.4	9444.5
56°	5432.0	9062.4
56.5°	5362.1	9062.4
57°	5268.0	9062.4
57.5°	5200.8	8669.7
58°	5110.6	8669.7
58.5°	5009.7	8466.8
59°	4931.3	7898.4
59.5°	4777.3	7705.3
60°	4690.3	7503.7
60.5°	4622.4	7304.8
61°	4541.3	7107.2
61.5°	4347.8	6725.1
62°	4242.4	6725.1
62.5°	4242.4	6333.1
63°	4148.2	6148.8
63.5°	4148.2	5957.7
64°	4074.3	5777.2
64.5°	3805.0	5580.8
65°	3805.0	5397.7
65.5°	3569.0	5212.0
66°	3569.0	5040.7
66.5°	3415.5	4856.2
67°	3415.5	4499.9

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TEST NUMBER: P1594597
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CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	3162.6	4499.9
68°	3053.9	4151.4
68.5°	2920.1	3979.4
69°	2920.1	3798.9
69.5°	2654.0	3621.8
70°	2405.7	3452.5
70.5°	2405.7	3297.7
71°	2100.1	3123.8
71.5°	2100.1	2795.1
72°	1858.3	2795.1
72.5°	1858.3	2479.5
73°	1624.4	2341.8
73.5°	1624.4	2173.2
74°	1392.6	2173.2
74.5°	1392.6	1893.2
75°	1177.8	1776.7
75.5°	978.8	1624.4
76°	978.8	1518.5
76.5°	793.2	1379.4
77°	793.2	1156.1
77.5°	625.8	1156.1
78°	625.8	955.2
78.5°	500.1	878.8
79°	500.1	770.0
79.5°	404.5	708.9
80°	311.5	609.3
80.5°	311.5	561.9
81°	218.7	472.9
81.5°	218.7	434.0
82°	150.2	357.1
82.5°	150.2	262.1
83°	113.3	262.1
83.5°	113.3	190.4
84°	86.3	176.0
84.5°	86.3	133.1
85°	65.2	123.2
85.5°	46.8	90.3
86°	46.8	82.3
86.5°	44.7	58.0
87°	44.7	36.9
87.5°	43.4	36.9
88°	43.4	20.4
88.5°	43.4	20.4
89°	43.4	11.9
89.5°	43.4	11.9

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	43.4	2.0

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

Scaled Data Report

TEST NUMBER: P1594597
CATALOG NUMBER: FLXB-2436-M-HI-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	28.1	29.6	28.4	29.9	30.2	25.4	26.9	25.8	27.2	27.5
	3H	29.5	30.9	29.9	31.2	31.6	25.8	27.1	26.2	27.5	27.8
	4H	29.8	31.1	30.2	31.4	31.8	25.8	27.0	26.2	27.4	27.8
	6H	29.9	31.1	30.3	31.4	31.8	25.7	26.9	26.1	27.2	27.6
	8H	29.9	31.0	30.3	31.4	31.8	25.7	26.8	26.1	27.2	27.6
	12H	29.9	30.9	30.3	31.3	31.7	25.7	26.7	26.1	27.1	27.5
4H	2H	28.3	29.5	28.7	29.9	30.2	26.0	27.2	26.4	27.6	28.0
	3H	29.8	30.9	30.2	31.3	31.7	26.4	27.5	26.9	27.9	28.3
	4H	30.2	31.1	30.6	31.5	32.0	26.4	27.4	26.9	27.8	28.2
	6H	30.3	31.1	30.8	31.5	32.0	26.4	27.2	26.9	27.6	28.1
	8H	30.3	31.0	30.7	31.5	31.9	26.4	27.1	26.8	27.5	28.0
	12H	30.3	30.9	30.7	31.4	31.9	26.3	27.0	26.8	27.5	27.9
8H	4H	30.1	30.9	30.6	31.3	31.8	26.5	27.3	27.0	27.7	28.2
	6H	30.2	30.8	30.7	31.3	31.8	26.5	27.1	27.0	27.6	28.1
	8H	30.2	30.8	30.7	31.3	31.8	26.4	27.0	27.0	27.5	28.0
	12H	30.2	30.7	30.7	31.2	31.7	26.4	26.9	26.9	27.4	28.0
12H	4H	30.1	30.8	30.6	31.2	31.7	26.5	27.2	27.0	27.7	28.1
	6H	30.2	30.7	30.7	31.2	31.7	26.5	27.0	27.0	27.5	28.0
	8H	30.2	30.7	30.7	31.2	31.7	26.4	26.9	26.9	27.4	28.0

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

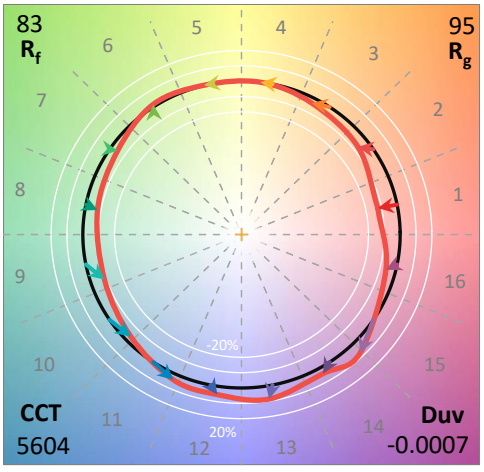
Test Information

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

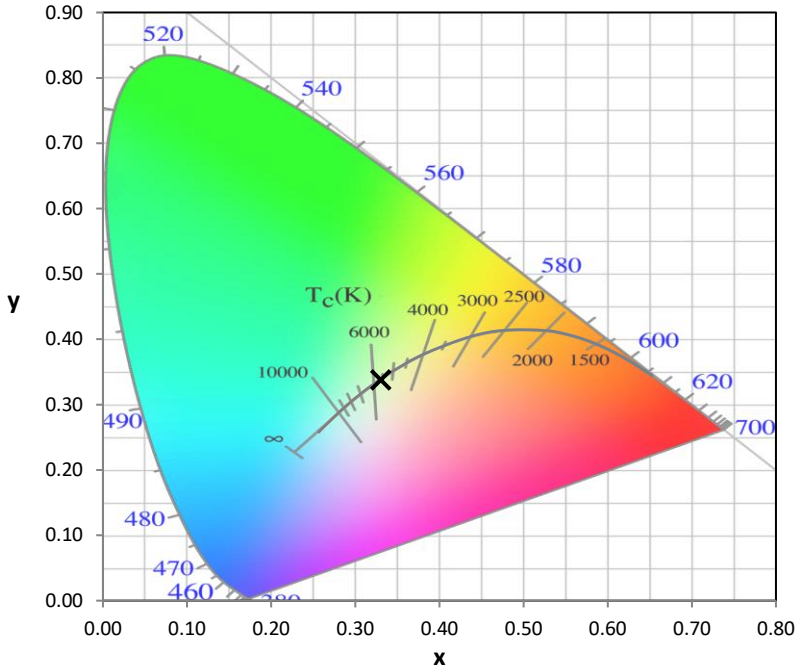
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-5

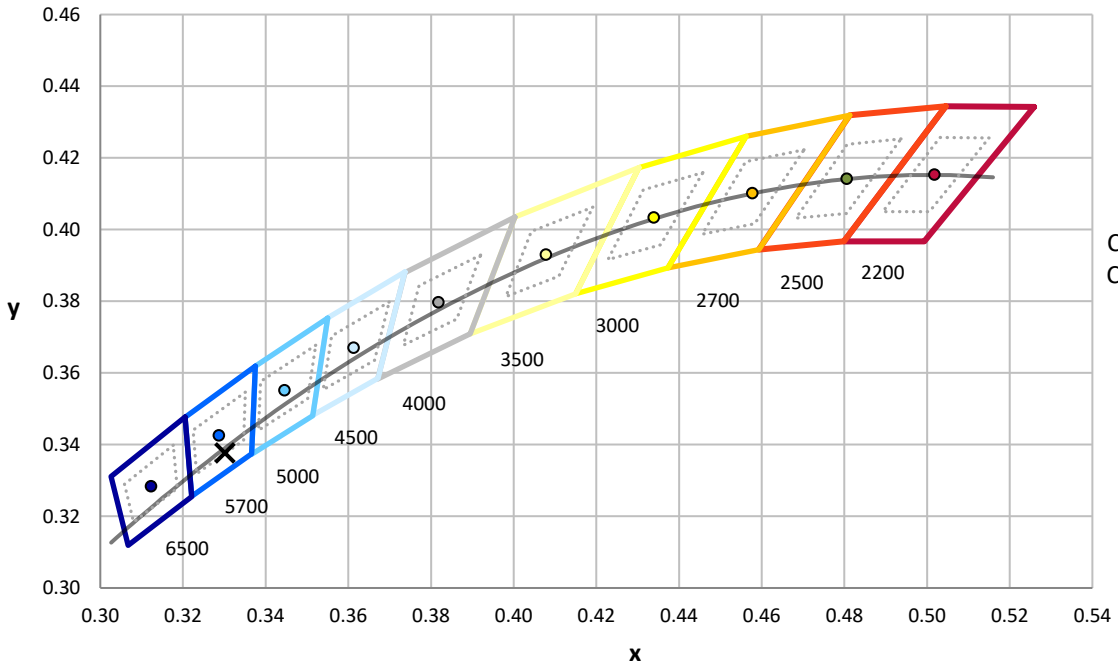
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

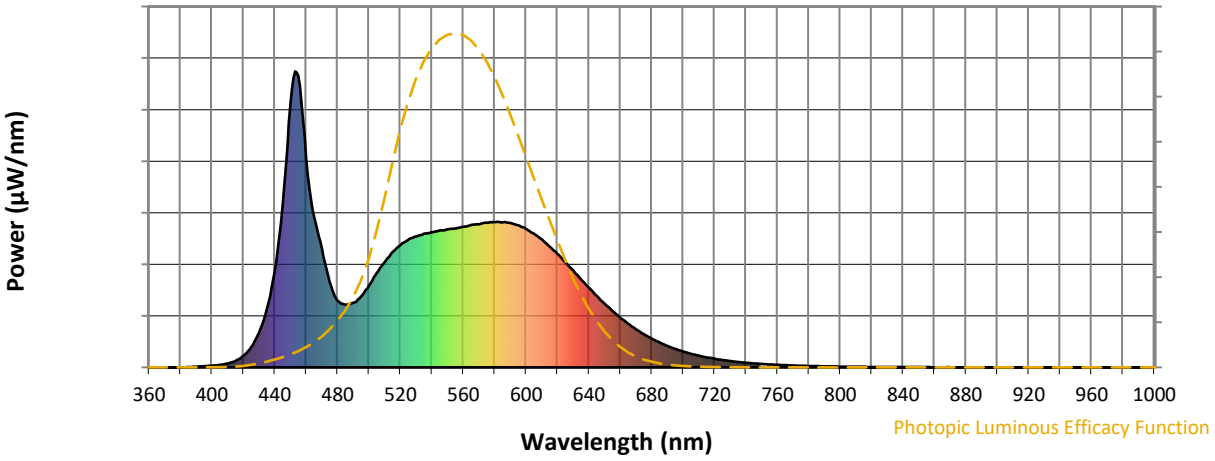


CCT = 5604K
CIE x = 0.3301
CIE y = 0.3376
Duv = -0.0007

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-5

Photopic Flux vs. Wavelength

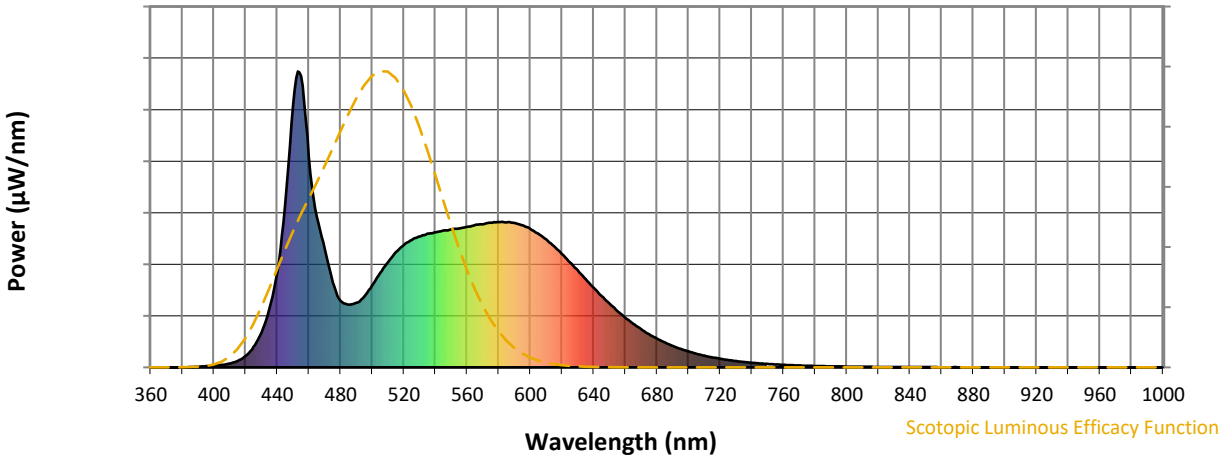


Photopic Lumens: NR

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

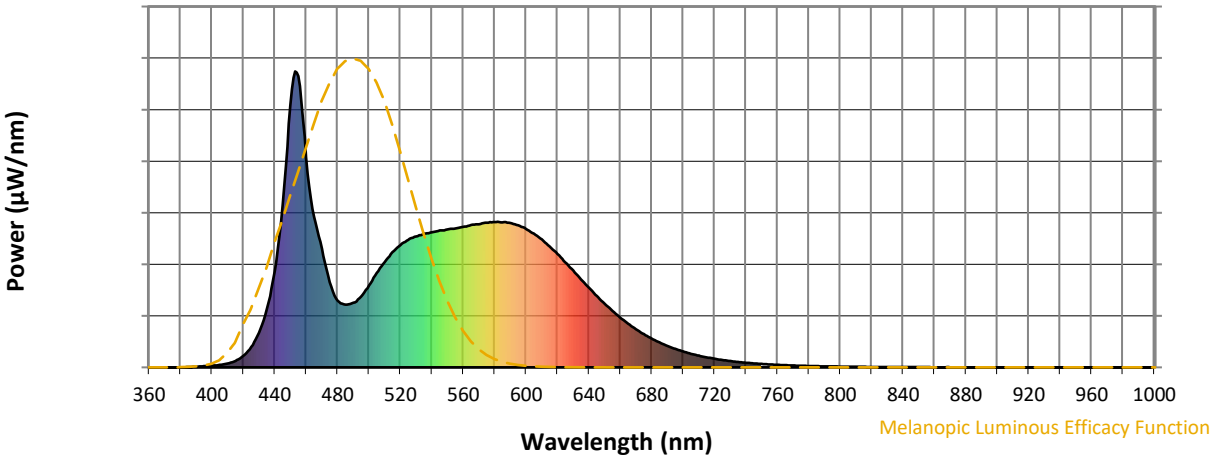


Scotopic Lumens: NR **S/P: 2.09**

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			

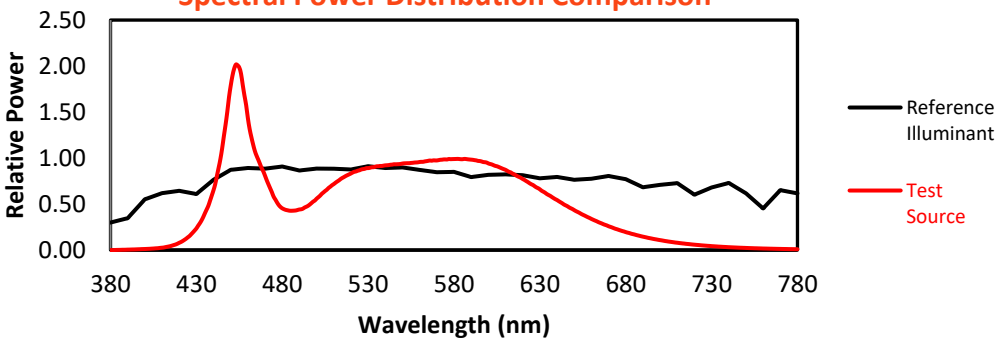
REPORT NUMBER: SP3-2602-684-5

TM-30-18

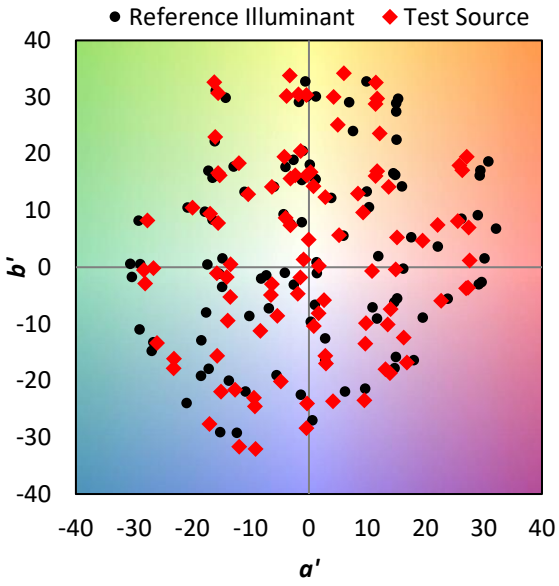
Summary

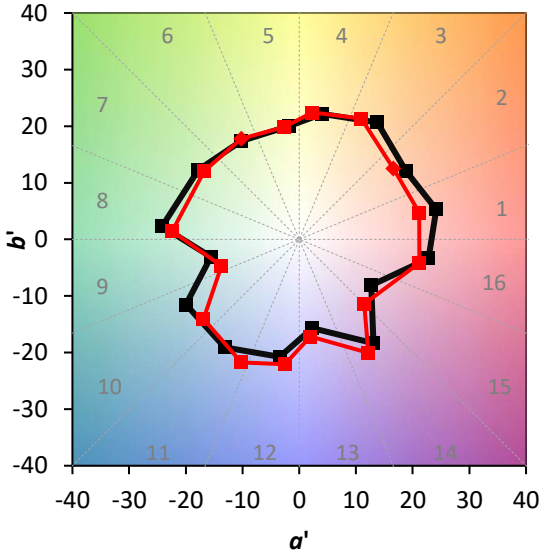
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R_g = 95.3
CIE R_a = 84.2
R_9 = 14.9

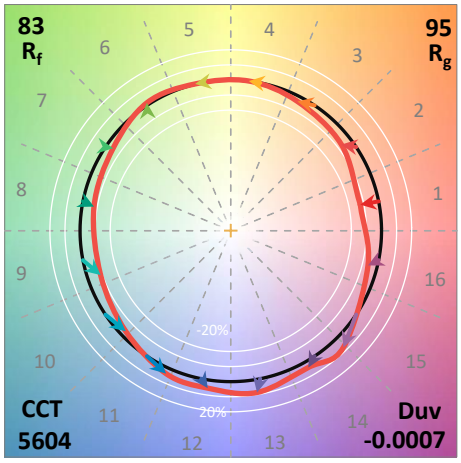
Spectral Power Distribution Comparison

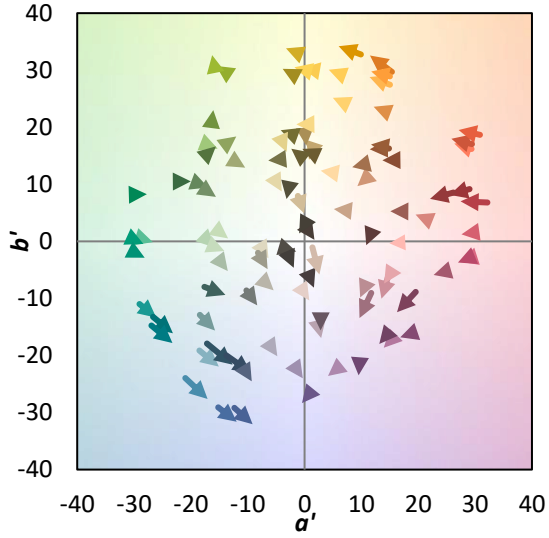


Color Vector Graphics







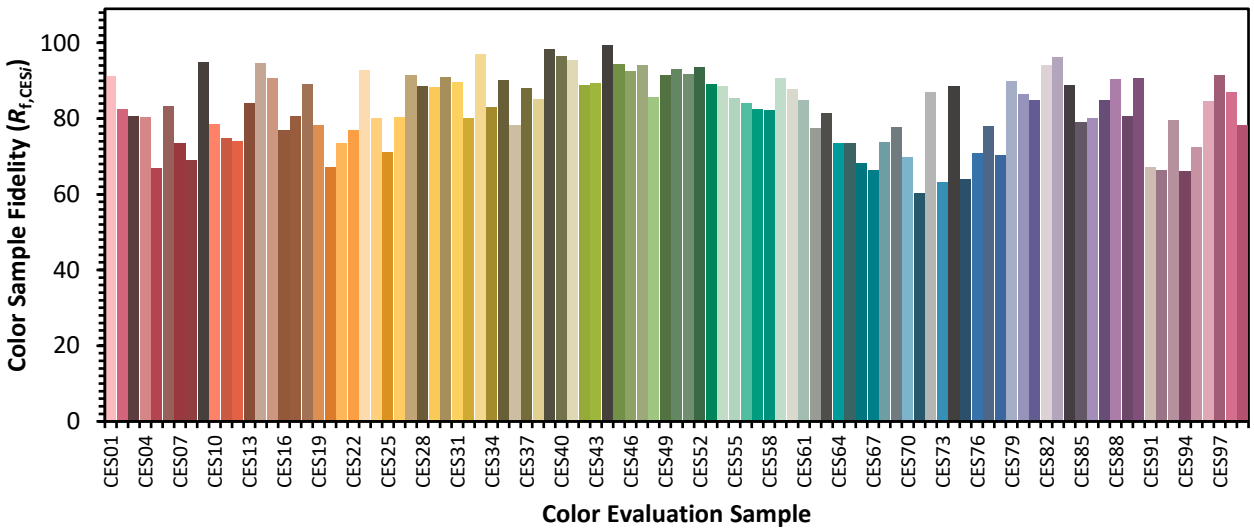


REPORT NUMBER: SP3-2602-684-5

TM-30-18

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

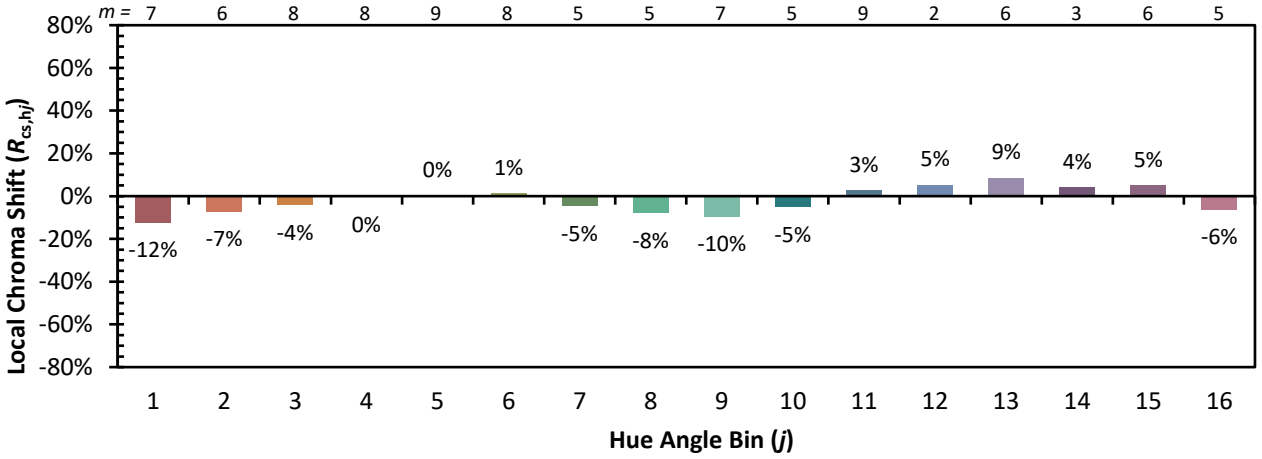
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 78
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 88	CES54 = 88	CES79 = 90
CES05 = 46	CES30 = 91	CES55 = 85	CES80 = 87
CES06 = 50	CES31 = 90	CES56 = 84	CES81 = 85
CES07 = 39	CES32 = 80	CES57 = 82	CES82 = 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	

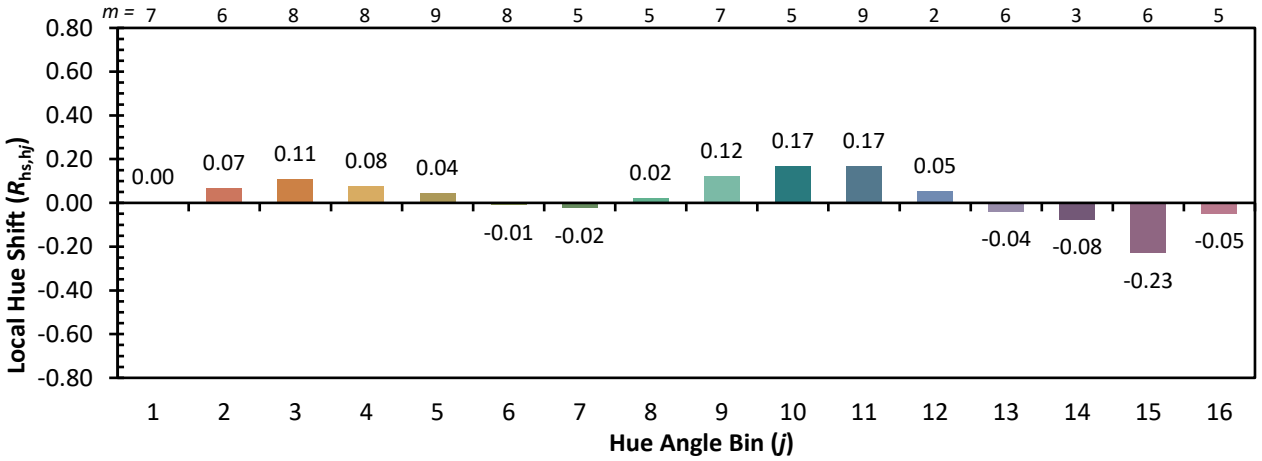


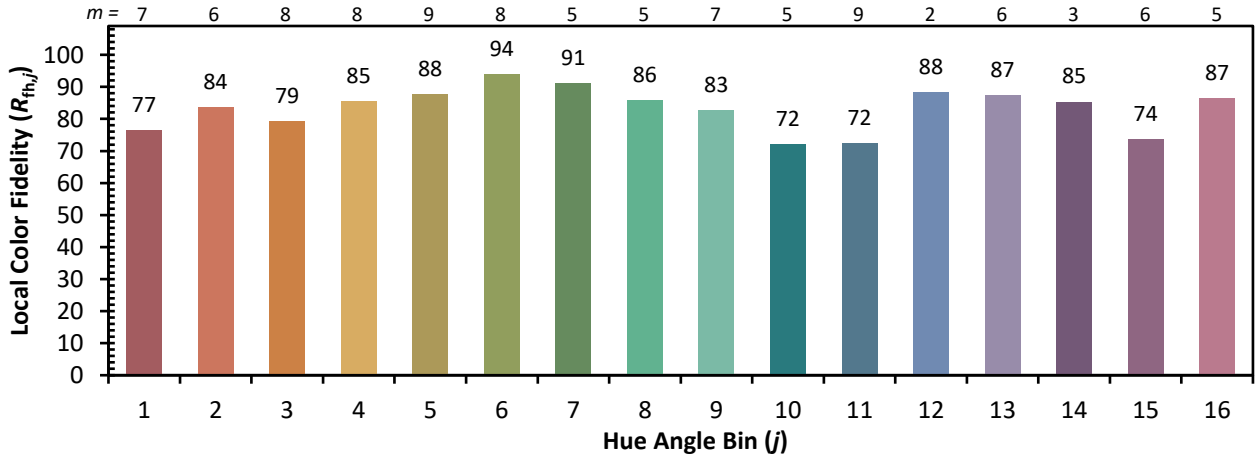
REPORT NUMBER: SP3-2602-684-5

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Color Rendition by Hue-Angle Bin



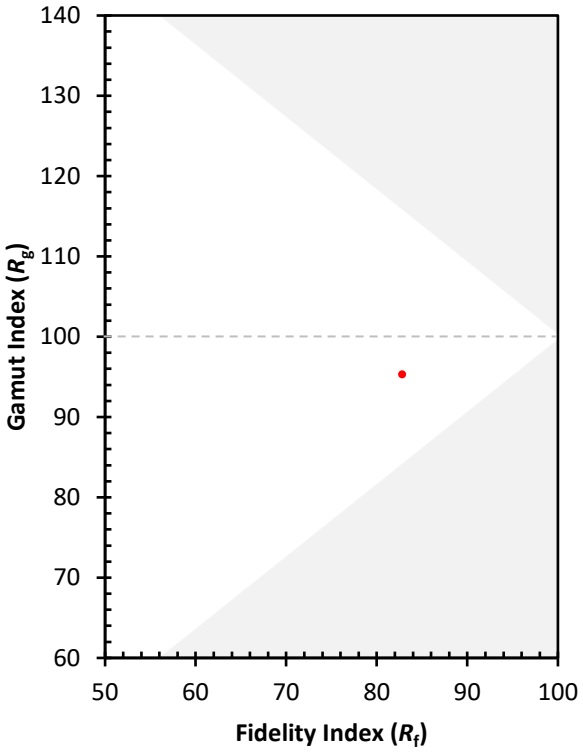


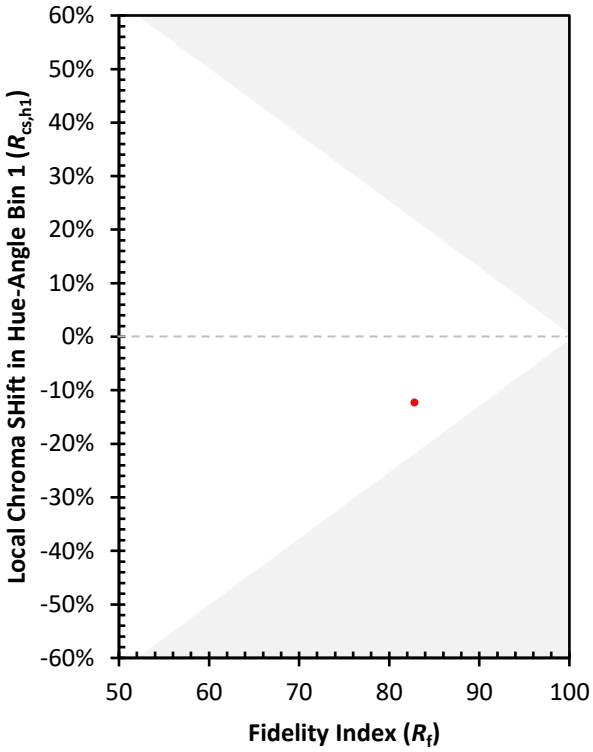


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Measure Comparisons





(END OF REPORT)