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: P1594551

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

Issue Date: 10/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594551
	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-HI-5000K
Description:	1224 FlexBay Linear High bay at M beam, HI lumen, 5000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24230.0 lumens
Efficiency:	N/A
Efficacy:	165.2 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

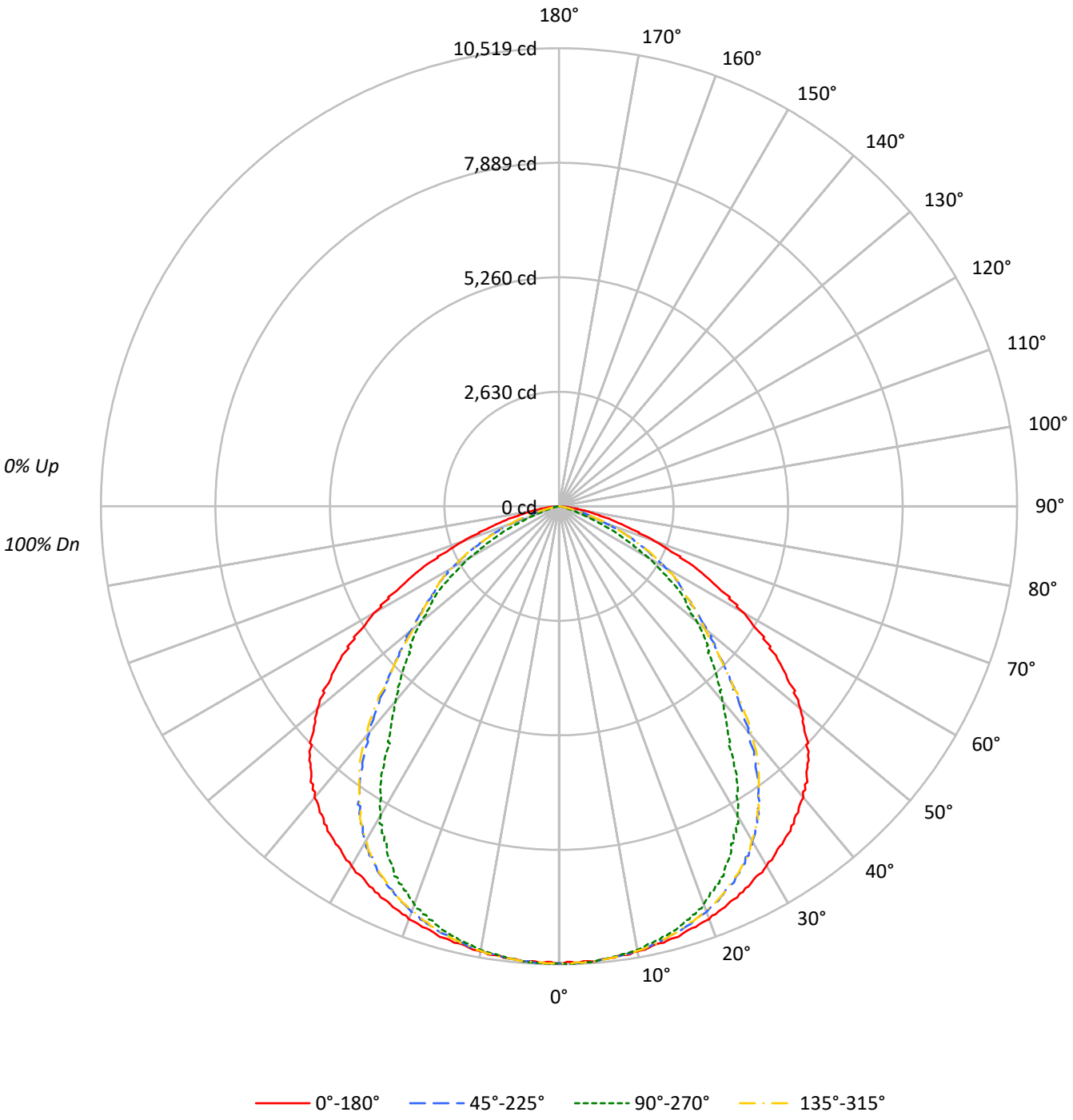
Input Watts (W):	146.7
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	91329	91329	91329	91329
5°	91433	91360	91433	91360
10°	91720	91372	91720	91372
15°	92444	91030	92444	91030
20°	93434	90009	93434	90009
25°	94199	87115	94199	87115
30°	95792	82289	95792	82289
35°	97467	73496	97467	73496
40°	99203	66230	99203	66230
45°	99528	60702	99528	60702
50°	98058	56080	98058	56080
55°	92920	50852	92920	50852
60°	85564	41541	85564	41541
65°	74491	30221	74491	30221
70°	59693	16094	59693	16094
75°	45290	7921	45290	7921
80°	30727	3688	30727	3688
85°	21845	2776	21845	2776

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45.5°
Luminance: 99782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	995.9	4.1
10°-20°	2872.2	11.9
20°-30°	4357.5	18.0
30°-40°	4994.6	20.6
40°-50°	4526.7	18.7
50°-60°	3538.7	14.6
60°-70°	2149.9	8.9
70°-80°	703.4	2.9
80°-90°	91.1	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°	8225.6	33.9
0°-40°	13220.2	54.6
0°-60°	21285.6	87.8
0°-90°	24230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24230.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10496	10496	10496	10496	10496	
5°	10468	10459	10468	10459	10468	996
15°	10262	10105	10262	10105	10262	2899
25°	9811	9074	9811	9074	9811	4536
35°	9176	6919	9176	6919	9176	5738
45°	8088	4933	8088	4933	8088	6210
55°	6125	3352	6125	3352	6125	5456
65°	3618	1468	3618	1468	3618	3556
75°	1347	236	1347	236	1347	1447
85°	219	28	219	28	219	266
90°	26	3	26	3	26	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	10495.8	10495.8	10495.8	*10495.8*	10495.8	10495.8	10495.8	10495.8	10495.8	10495.8	10495.8
0.5°	10495.8	10495.8	10495.8	*10495.8*	10495.8	10495.8	10495.8	10495.8	10495.8	10495.8	10495.8
1°	*10465.8*	*10496.8*	*10490.4*	*10519.4*	*10489.7*	*10496.2*	*10465.8*	*10496.8*	*10490.4*	*10519.4*	*10489.7*
1.5°	10465.8	10513.6	10507.1	*10508.4*	10504.6	10502.6	10465.8	10513.6	10507.1	10508.4	10504.6
2°	10487.8	10503.9	10507.1	*10508.4*	10462.0	10512.9	10487.8	10503.9	10507.1	10508.4	10462.0
2.5°	10487.8	10494.2	10500.7	*10496.2*	10462.0	10504.6	10487.8	10494.2	10500.7	10496.2	10462.0
3°	10462.6	10494.2	10500.7	*10496.2*	10491.6	10508.4	10462.6	10494.2	10500.7	10496.2	10491.6
3.5°	10462.6	10480.0	10468.4	*10496.2*	10471.6	10494.2	10462.6	10480.0	10468.4	10496.2	10471.6
4°	10474.2	10480.0	10468.4	*10496.2*	10463.2	10494.2	10474.2	10480.0	10468.4	10496.2	10463.2
4.5°	10488.4	10487.8	10480.0	*10480.0*	10462.0	10504.6	10488.4	10487.8	10480.0	10480.0	10462.0
5°	10467.8	10472.9	10467.8	*10459.4*	10469.7	10476.2	10467.8	10472.9	10467.8	10459.4	10469.7
5.5°	10447.8	10458.1	10442.6	*10454.9*	10454.9	10461.3	10447.8	10458.1	10442.6	10454.9	10454.9
6°	10449.7	10467.8	10445.8	*10442.6*	10450.3	10464.5	10449.7	10467.8	10445.8	10442.6	10450.3
6.5°	10443.3	10455.5	10445.8	*10442.6*	10424.5	10471.0	10443.3	10455.5	10445.8	10442.6	10424.5
7°	10443.3	10434.8	10421.3	*10414.2*	10405.8	10457.4	10443.3	10434.8	10421.3	10414.2	10405.8
7.5°	10410.3	10432.3	10421.3	*10414.2*	10413.5	10454.2	10410.3	10432.3	10421.3	10414.2	10413.5
8°	10410.3	10440.0	10385.8	*10387.1*	10413.5	10432.3	10410.3	10440.0	10385.8	10387.1	10413.5
8.5°	10420.0	10405.2	10385.8	*10387.1*	10383.2	10420.0	10420.0	10405.2	10385.8	10387.1	10383.2
9°	10420.0	10409.0	10381.9	*10369.7*	10374.2	10425.2	10420.0	10409.0	10381.9	10369.7	10374.2
9.5°	10380.6	10394.8	10381.9	*10360.0*	10374.2	10395.5	10380.6	10394.8	10381.9	10360.0	10374.2
10°	10380.6	10372.2	10331.6	*10341.2*	10358.0	10371.6	10380.6	10372.2	10331.6	10341.2	10358.0
10.5°	10373.5	10374.2	10331.6	*10323.8*	10337.4	10376.1	10373.5	10374.2	10331.6	10323.8	10337.4
11°	10373.5	10363.2	10325.1	*10297.4*	10302.5	10382.6	10373.5	10363.2	10325.1	10297.4	10302.5
11.5°	10345.8	10336.7	10302.5	*10258.0*	10278.0	10347.7	10345.8	10336.7	10302.5	10258.0	10278.0
12°	10318.0	10325.1	10270.9	*10258.0*	10262.5	10325.1	10318.0	10325.1	10270.9	10258.0	10262.5
12.5°	10301.2	10298.0	10234.1	*10222.5*	10261.9	10322.5	10301.2	10298.0	10234.1	10222.5	10261.9
13°	10297.4	10298.0	10234.1	*10222.5*	10194.7	10307.0	10297.4	10298.0	10234.1	10222.5	10194.7
13.5°	10307.0	10275.4	10200.5	*10166.3*	10194.7	10285.7	10307.0	10275.4	10200.5	10166.3	10194.7
14°	10278.0	10261.2	10200.5	*10166.3*	10171.5	10265.7	10278.0	10261.2	10200.5	10166.3	10171.5
14.5°	10258.0	10231.5	10115.3	*10128.9*	10134.7	10234.1	10258.0	10231.5	10115.3	10128.9	10134.7
15°	10261.9	10225.7	10117.3	*10105.0*	10113.4	10218.0	10261.9	10225.7	10117.3	10105.0	10113.4
15.5°	10261.9	10213.5	10108.2	*10080.5*	10075.3	10223.1	10261.9	10213.5	10108.2	10080.5	10075.3
16°	10223.8	10182.5	10086.9	*10034.7*	10048.2	10180.5	10223.8	10182.5	10086.9	10034.7	10048.2
16.5°	10196.0	10159.9	10039.8	*10007.5*	10019.8	10152.1	10196.0	10159.9	10039.8	10007.5	10019.8
17°	10172.8	10156.0	9990.8	*9946.2*	10012.7	10147.0	10172.8	10156.0	9990.8	9946.2	10012.7
17.5°	10157.3	10123.7	9990.8	*9946.2*	9924.3	10119.2	10157.3	10123.7	9990.8	9946.2	9924.3
18°	10158.6	10087.6	9932.7	*9870.7*	9924.3	10094.7	10158.6	10087.6	9932.7	9870.7	9924.3
18.5°	10126.3	10087.6	9932.7	*9870.7*	9882.3	10059.8	10126.3	10087.6	9932.7	9870.7	9882.3
19°	10107.6	10034.7	9850.7	*9795.2*	9882.3	10023.7	10107.6	10034.7	9850.7	9795.2	9882.3
19.5°	10097.9	10021.7	9850.7	*9795.2*	9793.9	10006.2	10097.9	10021.7	9850.7	9795.2	9793.9
20°	10090.1	10007.5	9808.1	*9720.3*	9742.9	9999.8	10090.1	10007.5	9808.1	9720.3	9742.9
20.5°	10033.4	9966.9	9765.5	*9652.5*	9722.9	9964.3	10033.4	9966.9	9765.5	9652.5	9722.9
21°	10033.4	9937.8	9706.7	*9613.2*	9679.6	9935.9	10033.4	9937.8	9706.7	9613.2	9679.6
21.5°	9996.6	9925.6	9646.7	*9509.9*	9658.3	9908.8	9996.6	9925.6	9646.7	9509.9	9658.3
22°	9976.6	9890.7	9646.7	*9509.9*	9591.2	9890.7	9976.6	9890.7	9646.7	9509.9	9591.2

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	9964.9	9853.3	9560.9	*9407.2*	9550.5	9850.0	9964.9	9853.3	9560.9	9407.2	9550.5
23°	9924.9	9835.8	9506.6	*9407.2*	9490.5	9830.0	9924.9	9835.8	9506.6	9407.2	9490.5
23.5°	9887.5	9751.3	9449.8	*9294.9*	9490.5	9756.5	9887.5	9751.3	9449.8	9294.9	9490.5
24°	9875.9	9724.2	9449.8	*9294.9*	9381.4	9726.7	9875.9	9724.2	9449.8	9294.9	9381.4
24.5°	9873.3	9724.2	9364.6	*9160.0*	9314.3	9711.3	9873.3	9724.2	9364.6	9160.0	9314.3
25°	9811.3	9678.3	9364.6	*9073.5*	9274.9	9653.8	9811.3	9678.3	9364.6	9073.5	9274.9
25.5°	9811.3	9638.3	9227.1	*9017.4*	9209.7	9622.2	9811.3	9638.3	9227.1	9017.4	9209.7
26°	9756.5	9620.9	9176.8	*8946.4*	9171.0	9597.6	9756.5	9620.9	9176.8	8946.4	9171.0
26.5°	9756.5	9580.2	9127.1	*8864.4*	9081.3	9570.5	9756.5	9580.2	9127.1	8864.4	9081.3
27°	9713.8	9531.8	8990.3	*8702.4*	9010.3	9509.9	9713.8	9531.8	8990.3	8702.4	9010.3
27.5°	9670.6	9500.8	8990.3	*8702.4*	8910.2	9482.1	9670.6	9500.8	8990.3	8702.4	8910.2
28°	9636.4	9411.8	8842.4	*8535.2*	8910.2	9444.7	9636.4	9411.8	8842.4	8535.2	8910.2
28.5°	9620.3	9411.8	8842.4	*8535.2*	8742.4	9399.5	9620.3	9411.8	8842.4	8535.2	8742.4
29°	9616.4	9340.8	8707.5	*8368.0*	8742.4	9327.8	9616.4	9340.8	8707.5	8368.0	8742.4
29.5°	9571.8	9289.8	8707.5	*8368.0*	8598.5	9263.3	9571.8	9289.8	8707.5	8368.0	8598.5
30°	9533.8	9227.1	8524.2	*8189.9*	8500.3	9209.7	9533.8	9227.1	8524.2	8189.9	8500.3
30.5°	9484.1	9194.9	8438.4	*8088.5*	8423.5	9165.2	9484.1	9194.9	8438.4	8088.5	8423.5
31°	9484.1	9135.5	8361.6	*7996.9*	8308.0	9142.0	9484.1	9135.5	8361.6	7996.9	8308.0
31.5°	9437.6	9075.5	8164.7	*7803.9*	8211.2	9076.8	9437.6	9075.5	8164.7	7803.9	8211.2
32°	9389.2	9013.5	8164.7	*7735.5*	8116.9	9029.0	9389.2	9013.5	8164.7	7735.5	8116.9
32.5°	9340.8	8974.1	7953.6	*7639.9*	8044.6	8974.1	9340.8	8974.1	7953.6	7639.9	8044.6
33°	9307.2	8890.9	7953.6	*7482.4*	7812.9	8914.1	9307.2	8890.9	7953.6	7482.4	7812.9
33.5°	9296.9	8768.9	7754.2	*7394.0*	7812.9	8818.6	9296.9	8768.9	7754.2	7394.0	7812.9
34°	9244.6	8768.9	7754.2	*7184.8*	7624.4	8741.1	9244.6	8768.9	7754.2	7184.8	7624.4
34.5°	9205.8	8612.0	7521.8	*7083.5*	7502.4	8669.4	9205.8	8612.0	7521.8	7083.5	7502.4
35°	9175.5	8563.0	7411.4	*6918.9*	7395.9	8610.7	9175.5	8563.0	7411.4	6918.9	7395.9
35.5°	9154.2	8457.7	7318.5	*6689.8*	7260.4	8550.0	9154.2	8457.7	7318.5	6689.8	7260.4
36°	9070.9	8381.6	7170.6	*6689.8*	7147.4	8459.7	9070.9	8381.6	7170.6	6689.8	7147.4
36.5°	9070.9	8262.8	7035.7	*6524.5*	7037.7	8386.1	9070.9	8262.8	7035.7	6524.5	7037.7
37°	8981.2	8212.4	6778.9	*6434.2*	6914.4	8316.4	8981.2	8212.4	6778.9	6434.2	6914.4
37.5°	8938.6	8068.5	6778.9	*6331.5*	6851.1	8231.8	8938.6	8068.5	6778.9	6331.5	6851.1
38°	8919.3	7995.6	6548.4	*6229.5*	6710.4	8131.8	8919.3	7995.6	6548.4	6229.5	6710.4
38.5°	8847.6	7852.3	6548.4	*6134.6*	6545.8	8036.9	8847.6	7852.3	6548.4	6134.6	6545.8
39°	8797.9	7609.6	6312.2	*6015.2*	6545.8	7814.8	8797.9	7609.6	6312.2	6015.2	6545.8
39.5°	8753.4	7539.9	6312.2	*5952.0*	6325.7	7711.6	8753.4	7539.9	6312.2	5952.0	6325.7
40°	8733.4	7368.2	6142.4	*5830.6*	6244.4	7605.7	8733.4	7368.2	6142.4	5830.6	6244.4
40.5°	8624.9	7268.8	6142.4	*5758.3*	6088.8	7470.2	8624.9	7268.8	6142.4	5758.3	6088.8
41°	8624.9	7079.6	5914.5	*5619.6*	6007.5	7328.1	8624.9	7079.6	5914.5	5619.6	6007.5
41.5°	8524.2	6995.1	5788.7	*5619.6*	5871.9	7195.8	8524.2	6995.1	5788.7	5619.6	5871.9
42°	8524.2	6796.9	5703.5	*5464.0*	5654.4	7042.2	8524.2	6796.9	5703.5	5464.0	5654.4
42.5°	8419.7	6684.6	5540.2	*5386.5*	5654.4	6880.8	8419.7	6684.6	5540.2	5386.5	5654.4
43°	8334.4	6511.0	5540.2	*5307.8*	5480.8	6718.2	8334.4	6511.0	5540.2	5307.8	5480.8
43.5°	8284.1	6230.2	5382.0	*5203.9*	5480.8	6552.9	8284.1	6230.2	5382.0	5203.9	5480.8
44°	8213.8	6230.2	5382.0	*5123.8*	5291.0	6218.6	8213.8	6230.2	5382.0	5123.8	5291.0
44.5°	8178.3	5973.9	5241.9	*5010.9*	5291.0	6048.8	8178.3	5973.9	5241.9	5010.9	5291.0

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

TEST NUMBER: P1594551
CATALOG NUMBER: FLXB-1224-M-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	8087.9	5817.7	5241.9	*4932.8*	5132.9	5886.1	8087.9	5817.7	5241.9	4932.8	5132.9
45.5°	8037.5	5698.9	5071.5	*4792.0*	5043.1	5693.2	8037.5	5698.9	5071.5	4792.0	5043.1
46°	7891.6	5554.4	5005.7	*4792.0*	4979.9	5564.1	7891.6	5554.4	5005.7	4792.0	4979.9
46.5°	7891.6	5449.8	4917.3	*4673.9*	4874.7	5387.2	7891.6	5449.8	4917.3	4673.9	4874.7
47°	7756.7	5285.2	4748.2	*4673.9*	4799.8	5263.9	7756.7	5285.2	4748.2	4673.9	4799.8
47.5°	7645.1	5201.9	4748.2	*4576.5*	4712.7	5105.1	7645.1	5201.9	4748.2	4576.5	4712.7
48°	7570.2	5047.0	4590.0	*4490.0*	4652.6	5002.5	7570.2	5047.0	4590.0	4490.0	4652.6
48.5°	7470.8	4963.1	4590.0	*4422.2*	4493.8	4859.8	7470.8	4963.1	4590.0	4422.2	4493.8
49°	7429.5	4756.5	4460.3	*4330.5*	4493.8	4651.3	7429.5	4756.5	4460.3	4330.5	4493.8
49.5°	7315.9	4756.5	4460.3	*4229.2*	4341.5	4557.1	7315.9	4756.5	4460.3	4229.2	4341.5
50°	7243.6	4555.2	4293.7	*4142.7*	4261.5	4451.2	7243.6	4555.2	4293.7	4142.7	4261.5
50.5°	7133.8	4447.4	4293.7	*4054.9*	4206.0	4377.7	7133.8	4447.4	4293.7	4054.9	4206.0
51°	7064.8	4380.9	4124.0	*3870.3*	4115.6	4287.3	7064.8	4380.9	4124.0	3870.3	4115.6
51.5°	6882.1	4263.4	4042.7	*3870.3*	4033.6	4213.1	6882.1	4263.4	4042.7	3870.3	4033.6
52°	6882.1	4198.8	3958.7	*3739.9*	3863.2	4134.3	6882.1	4198.8	3958.7	3739.9	3863.2
52.5°	6667.8	4107.8	3792.8	*3723.1*	3784.5	4062.7	6667.8	4107.8	3792.8	3723.1	3784.5
53°	6554.9	4034.2	3792.8	*3643.7*	3784.5	3986.5	6554.9	4034.2	3792.8	3643.7	3784.5
53.5°	6486.4	3887.1	3628.2	*3614.0*	3699.2	3915.5	6486.4	3887.1	3628.2	3614.0	3699.2
54°	6354.8	3887.1	3628.2	*3510.1*	3545.0	3855.5	6354.8	3887.1	3628.2	3510.1	3545.0
54.5°	6257.9	3736.7	3461.7	*3451.4*	3545.0	3717.3	6257.9	3736.7	3461.7	3451.4	3545.0
55°	6125.0	3663.7	3461.7	*3352.0*	3388.1	3657.9	6125.0	3663.7	3461.7	3352.0	3388.1
55.5°	6046.2	3603.7	3322.3	*3256.5*	3359.1	3529.5	6046.2	3603.7	3322.3	3256.5	3359.1
56°	5828.0	3525.0	3322.3	*3154.5*	3283.6	3529.5	5828.0	3525.0	3322.3	3154.5	3283.6
56.5°	5828.0	3468.8	3255.2	*2992.5*	3257.7	3472.7	5828.0	3468.8	3255.2	2992.5	3257.7
57°	5589.2	3405.6	3195.1	*2992.5*	3228.0	3404.3	5589.2	3405.6	3195.1	2992.5	3228.0
57.5°	5589.2	3334.6	3178.3	*2817.5*	3170.0	3344.9	5589.2	3334.6	3178.3	2817.5	3170.0
58°	5367.2	3268.1	3033.8	*2744.6*	3143.5	3275.8	5367.2	3268.1	3033.8	2744.6	3143.5
58.5°	5232.3	3206.1	3033.8	*2654.9*	2987.3	3220.3	5232.3	3206.1	3033.8	2654.9	2987.3
59°	5124.5	3086.7	2855.6	*2563.2*	2987.3	3086.7	5124.5	3086.7	2855.6	2563.2	2987.3
59.5°	5009.6	3086.7	2855.6	*2479.9*	2764.6	3021.5	5009.6	3086.7	2855.6	2479.9	2764.6
60°	4916.6	2962.7	2656.2	*2387.0*	2764.6	2965.3	4916.6	2962.7	2656.2	2387.0	2764.6
60.5°	4686.2	2894.3	2656.2	*2288.2*	2568.4	2895.0	4686.2	2894.3	2656.2	2288.2	2568.4
61°	4686.2	2809.8	2469.6	*2111.4*	2487.0	2831.7	4686.2	2809.8	2469.6	2111.4	2487.0
61.5°	4442.2	2752.3	2388.9	*2111.4*	2396.7	2763.9	4442.2	2752.3	2388.9	2111.4	2396.7
62°	4442.2	2672.3	2303.7	*1935.8*	2310.8	2703.3	4442.2	2672.3	2303.7	1935.8	2310.8
62.5°	4204.7	2607.8	2135.9	*1935.8*	2221.7	2638.7	4204.7	2607.8	2135.9	1935.8	2221.7
63°	4085.9	2534.2	2135.9	*1773.1*	2150.1	2578.7	4085.9	2534.2	2135.9	1773.1	2150.1
63.5°	3952.3	2471.6	2032.0	*1697.6*	2072.6	2514.8	3952.3	2471.6	2032.0	1697.6	2072.6
64°	3848.4	2401.8	1944.2	*1615.0*	1887.4	2441.2	3848.4	2401.8	1944.2	1615.0	1887.4
64.5°	3726.4	2301.8	1776.4	*1547.9*	1887.4	2314.0	3726.4	2301.8	1776.4	1547.9	1887.4
65°	3617.9	2247.6	1776.4	*1467.8*	1704.7	2247.6	3617.9	2247.6	1776.4	1467.8	1704.7
65.5°	3488.2	2187.5	1596.3	*1402.6*	1624.7	2165.0	3488.2	2187.5	1596.3	1402.6	1624.7
66°	3380.4	2144.9	1596.3	*1319.4*	1532.4	2102.3	3380.4	2144.9	1596.3	1319.4	1532.4
66.5°	3247.4	2102.3	1440.7	*1137.3*	1440.1	2032.0	3247.4	2102.3	1440.7	1137.3	1440.1
67°	3020.2	2025.5	1363.9	*1137.3*	1347.1	1959.0	3020.2	2025.5	1363.9	1137.3	1347.1

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TEST NUMBER: P1594551
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	3020.2	1940.3	1281.9	968.2	1263.9	1890.0	3020.2	1940.3	1281.9	968.2	1263.9
68°	2783.3	1875.8	1116.7	873.3	1192.8	1824.8	2783.3	1875.8	1116.7	873.3	1192.8
68.5°	2687.8	1793.8	1116.7	835.9	1116.7	1768.0	2687.8	1793.8	1116.7	835.9	1116.7
69°	2565.1	1634.4	959.2	746.8	1034.7	1708.6	2565.1	1634.4	959.2	746.8	1034.7
69.5°	2476.7	1634.4	959.2	703.6	887.5	1649.8	2476.7	1634.4	959.2	703.6	887.5
70°	2346.3	1480.7	805.6	632.6	887.5	1540.8	2346.3	1480.7	805.6	632.6	887.5
70.5°	2260.5	1407.2	805.6	584.2	763.6	1482.7	2260.5	1407.2	805.6	584.2	763.6
71°	2135.9	1342.0	644.8	524.1	763.6	1418.8	2135.9	1342.0	644.8	524.1	763.6
71.5°	1933.9	1270.3	560.3	488.6	655.2	1348.4	1933.9	1270.3	560.3	488.6	655.2
72°	1933.9	1214.8	507.4	424.1	623.5	1262.6	1933.9	1214.8	507.4	424.1	623.5
72.5°	1738.9	1159.9	449.9	424.1	535.1	1202.5	1738.9	1159.9	449.9	424.1	535.1
73°	1676.3	1103.8	417.0	375.7	501.5	1019.9	1676.3	1103.8	417.0	375.7	501.5
73.5°	1570.5	1046.3	355.0	327.9	415.7	1019.9	1570.5	1046.3	355.0	327.9	415.7
74°	1509.1	1000.5	355.0	310.5	322.7	928.9	1509.1	1000.5	355.0	310.5	322.7
74.5°	1394.2	884.3	261.4	252.4	322.7	857.8	1394.2	884.3	261.4	252.4	322.7
75°	1347.1	884.3	261.4	235.6	275.6	724.2	1347.1	884.3	261.4	235.6	275.6
75.5°	1236.1	776.5	239.5	185.9	275.6	664.8	1236.1	776.5	239.5	185.9	275.6
76°	1196.1	693.2	239.5	176.2	229.8	606.7	1196.1	693.2	239.5	176.2	229.8
76.5°	1092.8	666.1	202.0	150.4	214.9	549.9	1092.8	666.1	202.0	150.4	214.9
77°	953.4	574.5	186.5	150.4	191.7	495.1	953.4	574.5	186.5	150.4	191.7
77.5°	953.4	559.6	169.8	130.4	178.2	444.1	953.4	559.6	169.8	130.4	178.2
78°	834.6	482.8	133.6	130.4	154.9	388.6	834.6	482.8	133.6	130.4	154.9
78.5°	815.9	466.7	133.6	109.7	147.2	347.3	815.9	466.7	133.6	109.7	147.2
79°	716.5	400.8	100.7	94.9	132.3	299.5	716.5	400.8	100.7	94.9	132.3
79.5°	702.3	387.9	100.7	89.7	109.7	251.7	702.3	387.9	100.7	89.7	109.7
80°	613.2	320.2	80.7	73.6	109.7	184.6	613.2	320.2	80.7	73.6	109.7
80.5°	603.5	264.6	80.7	69.1	83.3	164.6	603.5	264.6	80.7	69.1	83.3
81°	520.3	256.3	71.0	60.7	78.7	145.9	520.3	256.3	71.0	60.7	78.7
81.5°	429.9	202.0	71.0	58.1	65.8	128.4	429.9	202.0	71.0	58.1	65.8
82°	429.9	194.9	58.1	49.1	62.6	113.6	429.9	194.9	58.1	49.1	62.6
82.5°	352.4	144.6	51.6	49.1	56.2	102.0	352.4	144.6	51.6	49.1	56.2
83°	352.4	139.4	45.2	40.0	52.3	87.1	352.4	139.4	45.2	40.0	52.3
83.5°	280.1	104.6	36.8	33.6	45.8	74.9	280.1	104.6	36.8	33.6	45.8
84°	275.6	100.0	36.8	32.9	39.4	62.6	275.6	100.0	36.8	32.9	39.4
84.5°	218.8	78.1	30.3	28.4	31.6	54.2	218.8	78.1	30.3	28.4	31.6
85°	218.8	78.1	30.3	27.8	23.9	45.8	218.8	78.1	30.3	27.8	23.9
85.5°	169.1	58.1	17.4	23.9	23.9	31.6	169.1	58.1	17.4	23.9	23.9
86°	169.1	46.5	17.4	22.0	20.6	25.8	169.1	46.5	17.4	22.0	20.6
86.5°	125.9	46.5	10.3	19.4	18.7	19.4	125.9	46.5	10.3	19.4	18.7
87°	93.6	34.9	9.7	17.4	12.9	13.5	93.6	34.9	9.7	17.4	12.9
87.5°	93.6	25.8	9.0	10.3	11.6	9.0	93.6	25.8	9.0	10.3	11.6
88°	68.4	25.8	7.8	10.3	6.4	7.8	68.4	25.8	7.8	10.3	6.4
88.5°	68.4	25.8	6.4	6.4	6.4	5.2	68.4	25.8	6.4	6.4	6.4
89°	49.7	18.7	3.2	5.8	5.2	3.2	49.7	18.7	3.2	5.8	5.2
89.5°	49.7	18.7	3.2	5.8	3.9	2.6	49.7	18.7	3.2	5.8	3.9

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TEST NUMBER: P1594551
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	25.8	7.1	2.6	*2.6*	1.9	1.9	25.8	7.1	2.6	2.6	1.9

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Scaled Data Report

TEST NUMBER: P1594551
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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	10495.8	10495.8
0.5°	10495.8	10495.8
1°	*10496.2*	*10465.8*
1.5°	10502.6	10465.8
2°	10512.9	10487.8
2.5°	10504.6	10487.8
3°	10508.4	10462.6
3.5°	10494.2	10462.6
4°	10494.2	10474.2
4.5°	10504.6	10488.4
5°	10476.2	10467.8
5.5°	10461.3	10447.8
6°	10464.5	10449.7
6.5°	10471.0	10443.3
7°	10457.4	10443.3
7.5°	10454.2	10410.3
8°	10432.3	10410.3
8.5°	10420.0	10420.0
9°	10425.2	10420.0
9.5°	10395.5	10380.6
10°	10371.6	10380.6
10.5°	10376.1	10373.5
11°	10382.6	10373.5
11.5°	10347.7	10345.8
12°	10325.1	10318.0
12.5°	10322.5	10301.2
13°	10307.0	10297.4
13.5°	10285.7	10307.0
14°	10265.7	10278.0
14.5°	10234.1	10258.0
15°	10218.0	10261.9
15.5°	10223.1	10261.9
16°	10180.5	10223.8
16.5°	10152.1	10196.0
17°	10147.0	10172.8
17.5°	10119.2	10157.3
18°	10094.7	10158.6
18.5°	10059.8	10126.3
19°	10023.7	10107.6
19.5°	10006.2	10097.9
20°	9999.8	10090.1
20.5°	9964.3	10033.4
21°	9935.9	10033.4
21.5°	9908.8	9996.6
22°	9890.7	9976.6

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TEST NUMBER: P1594551
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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	9850.0	9964.9
23°	9830.0	9924.9
23.5°	9756.5	9887.5
24°	9726.7	9875.9
24.5°	9711.3	9873.3
25°	9653.8	9811.3
25.5°	9622.2	9811.3
26°	9597.6	9756.5
26.5°	9570.5	9756.5
27°	9509.9	9713.8
27.5°	9482.1	9670.6
28°	9444.7	9636.4
28.5°	9399.5	9620.3
29°	9327.8	9616.4
29.5°	9263.3	9571.8
30°	9209.7	9533.8
30.5°	9165.2	9484.1
31°	9142.0	9484.1
31.5°	9076.8	9437.6
32°	9029.0	9389.2
32.5°	8974.1	9340.8
33°	8914.1	9307.2
33.5°	8818.6	9296.9
34°	8741.1	9244.6
34.5°	8669.4	9205.8
35°	8610.7	9175.5
35.5°	8550.0	9154.2
36°	8459.7	9070.9
36.5°	8386.1	9070.9
37°	8316.4	8981.2
37.5°	8231.8	8938.6
38°	8131.8	8919.3
38.5°	8036.9	8847.6
39°	7814.8	8797.9
39.5°	7711.6	8753.4
40°	7605.7	8733.4
40.5°	7470.2	8624.9
41°	7328.1	8624.9
41.5°	7195.8	8524.2
42°	7042.2	8524.2
42.5°	6880.8	8419.7
43°	6718.2	8334.4
43.5°	6552.9	8284.1
44°	6218.6	8213.8
44.5°	6048.8	8178.3

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TEST NUMBER: P1594551
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CANDELA DISTRIBUTION (continued):

	330°	360°
45°	5886.1	8087.9
45.5°	5693.2	8037.5
46°	5564.1	7891.6
46.5°	5387.2	7891.6
47°	5263.9	7756.7
47.5°	5105.1	7645.1
48°	5002.5	7570.2
48.5°	4859.8	7470.8
49°	4651.3	7429.5
49.5°	4557.1	7315.9
50°	4451.2	7243.6
50.5°	4377.7	7133.8
51°	4287.3	7064.8
51.5°	4213.1	6882.1
52°	4134.3	6882.1
52.5°	4062.7	6667.8
53°	3986.5	6554.9
53.5°	3915.5	6486.4
54°	3855.5	6354.8
54.5°	3717.3	6257.9
55°	3657.9	6125.0
55.5°	3529.5	6046.2
56°	3529.5	5828.0
56.5°	3472.7	5828.0
57°	3404.3	5589.2
57.5°	3344.9	5589.2
58°	3275.8	5367.2
58.5°	3220.3	5232.3
59°	3086.7	5124.5
59.5°	3021.5	5009.6
60°	2965.3	4916.6
60.5°	2895.0	4686.2
61°	2831.7	4686.2
61.5°	2763.9	4442.2
62°	2703.3	4442.2
62.5°	2638.7	4204.7
63°	2578.7	4085.9
63.5°	2514.8	3952.3
64°	2441.2	3848.4
64.5°	2314.0	3726.4
65°	2247.6	3617.9
65.5°	2165.0	3488.2
66°	2102.3	3380.4
66.5°	2032.0	3247.4
67°	1959.0	3020.2

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TEST NUMBER: P1594551
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CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	1890.0	3020.2
68°	1824.8	2783.3
68.5°	1768.0	2687.8
69°	1708.6	2565.1
69.5°	1649.8	2476.7
70°	1540.8	2346.3
70.5°	1482.7	2260.5
71°	1418.8	2135.9
71.5°	1348.4	1933.9
72°	1262.6	1933.9
72.5°	1202.5	1738.9
73°	1019.9	1676.3
73.5°	1019.9	1570.5
74°	928.9	1509.1
74.5°	857.8	1394.2
75°	724.2	1347.1
75.5°	664.8	1236.1
76°	606.7	1196.1
76.5°	549.9	1092.8
77°	495.1	953.4
77.5°	444.1	953.4
78°	388.6	834.6
78.5°	347.3	815.9
79°	299.5	716.5
79.5°	251.7	702.3
80°	184.6	613.2
80.5°	164.6	603.5
81°	145.9	520.3
81.5°	128.4	429.9
82°	113.6	429.9
82.5°	102.0	352.4
83°	87.1	352.4
83.5°	74.9	280.1
84°	62.6	275.6
84.5°	54.2	218.8
85°	45.8	218.8
85.5°	31.6	169.1
86°	25.8	169.1
86.5°	19.4	125.9
87°	13.5	93.6
87.5°	9.0	93.6
88°	7.8	68.4
88.5°	5.2	68.4
89°	3.2	49.7
89.5°	2.6	49.7

TEST NUMBER: P1594551
CATALOG NUMBER: FLXB-1224-M-HI-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1.9	25.8

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

Scaled Data Report

TEST NUMBER: P1594551
CATALOG NUMBER: FLXB-1224-M-HI-5000K

CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	27.1	28.7	27.5	29.0	29.3	24.9	26.4	25.3	26.7	27.0
	3H	28.7	30.0	29.0	30.3	30.7	25.3	26.7	25.7	27.0	27.4
	4H	29.0	30.3	29.4	30.7	31.0	25.3	26.6	25.7	26.9	27.3
	6H	29.2	30.4	29.7	30.8	31.2	25.3	26.5	25.7	26.8	27.2
	8H	29.3	30.4	29.7	30.8	31.2	25.3	26.4	25.7	26.8	27.2
	12H	29.3	30.3	29.7	30.7	31.1	25.2	26.3	25.7	26.7	27.1
4H	2H	27.3	28.6	27.7	28.9	29.3	25.4	26.6	25.8	27.0	27.4
	3H	28.9	30.0	29.4	30.4	30.8	25.9	26.9	26.3	27.3	27.7
	4H	29.4	30.3	29.8	30.7	31.2	25.9	26.8	26.3	27.2	27.7
	6H	29.6	30.4	30.1	30.9	31.3	25.9	26.7	26.3	27.1	27.6
	8H	29.7	30.4	30.1	30.9	31.3	25.8	26.6	26.3	27.0	27.5
	12H	29.7	30.4	30.2	30.8	31.3	25.8	26.5	26.3	26.9	27.4
8H	4H	29.3	30.1	29.8	30.5	31.0	26.0	26.8	26.5	27.2	27.7
	6H	29.6	30.2	30.1	30.7	31.2	26.0	26.6	26.5	27.1	27.5
	8H	29.6	30.2	30.2	30.7	31.2	25.9	26.5	26.4	27.0	27.5
	12H	29.7	30.2	30.2	30.6	31.2	25.9	26.4	26.4	26.9	27.4
12H	4H	29.3	30.0	29.8	30.5	30.9	26.0	26.7	26.5	27.1	27.6
	6H	29.6	30.1	30.1	30.6	31.1	25.9	26.5	26.5	27.0	27.5
	8H	29.6	30.1	30.1	30.6	31.1	25.9	26.4	26.4	26.9	27.5

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: SP3-2602-684-4

Test Date: 02/20/2026

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

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

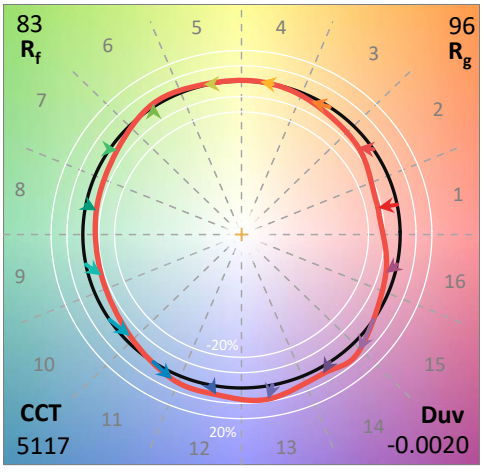
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	02/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**HLBX-2436-W-HI-5000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 5000K CCT settings

Spectral Parameters

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

Rf:	83.2
Rg:	95.8



Test Conditions

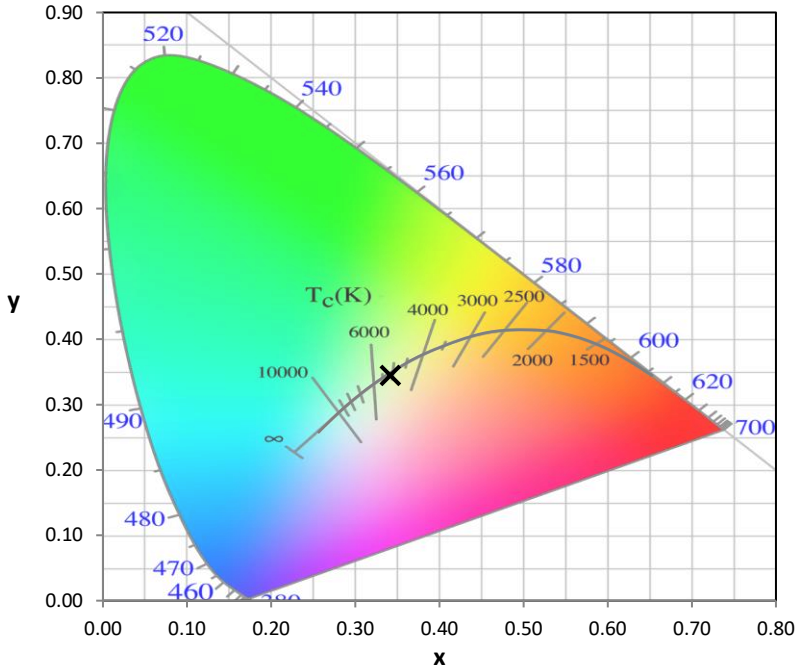
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-4

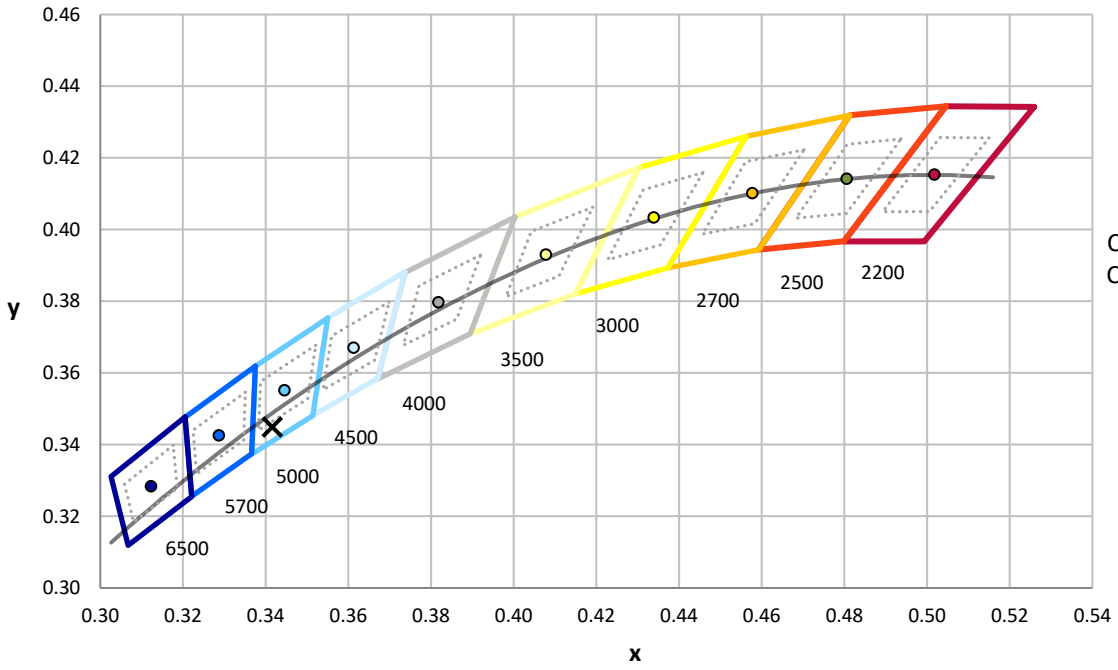
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-4

CIE 1931 Chromaticity Diagram



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

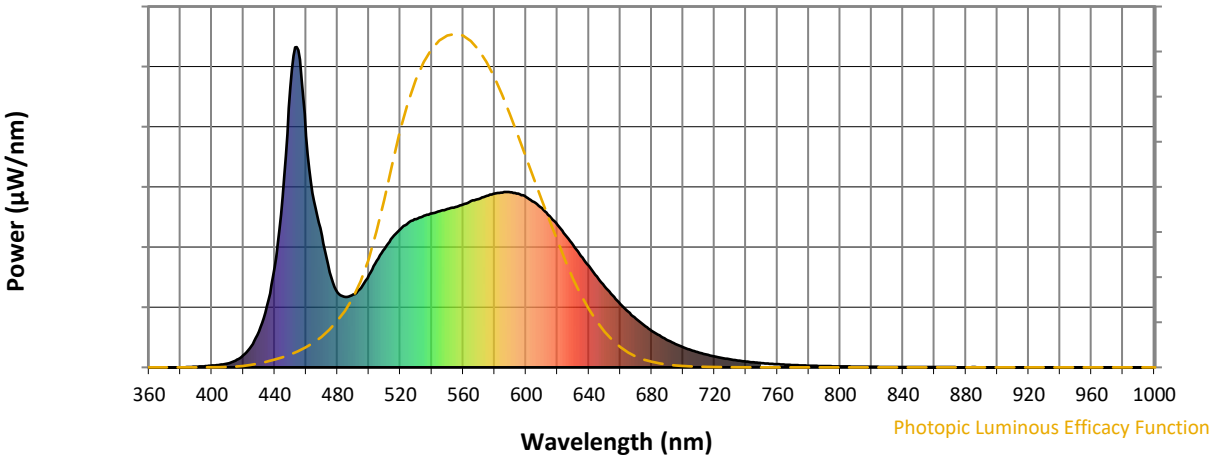


CCT = 5117K
CIE x = 0.3416
CIE y = 0.3449
Duv = -0.0020

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-4

Photopic Flux vs. Wavelength

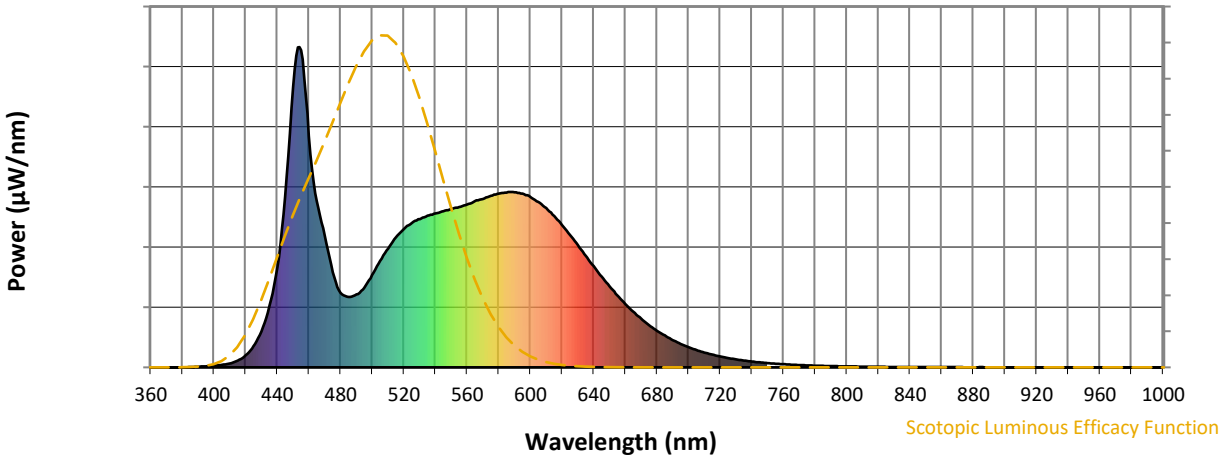


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	228	NR	620	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-4

Scotopic Flux vs. Wavelength

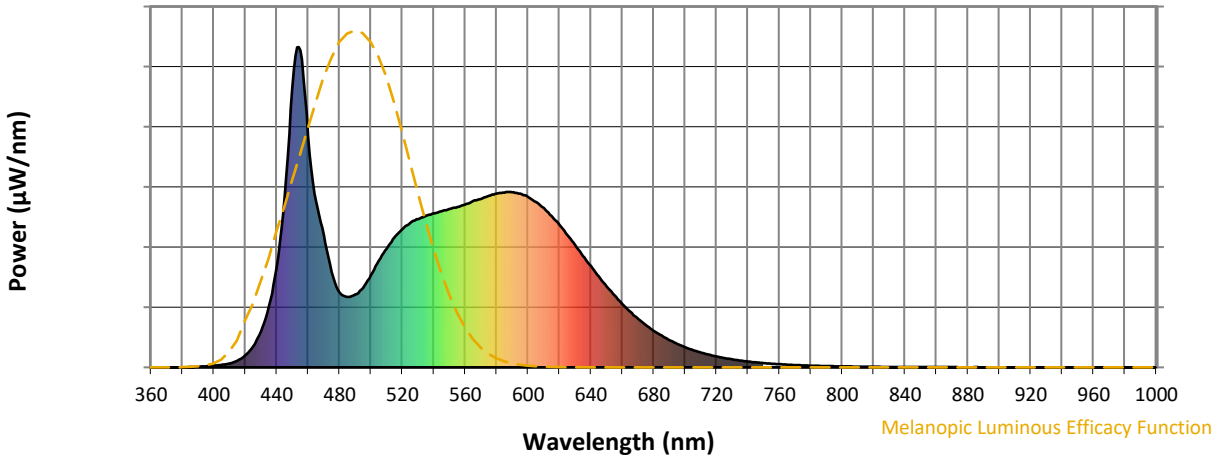


Scotopic Lumens: NR **S/P: 2**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	228	NR	620	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-4

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	228	NR	620	445	NR	750	13	NR	880	0	NR
365	0	NR	495	248	NR	625	413	NR	755	11	NR	885	1	NR
370	0	NR	500	288	NR	630	382	NR	760	10	NR	890	0	NR
375	0	NR	505	333	NR	635	348	NR	765	8	NR	895	0	NR
380	0	NR	510	371	NR	640	316	NR	770	7	NR	900	0	NR
385	1	NR	515	406	NR	645	283	NR	775	6	NR	905	0	NR
390	2	NR	520	432	NR	650	253	NR	780	5	NR	910	0	NR
395	4	NR	525	450	NR	655	225	NR	785	5	NR	915	0	NR
400	6	NR	530	463	NR	660	198	NR	790	4	NR	920	0	NR
405	8	NR	535	474	NR	665	174	NR	795	3	NR	925	0	NR
410	12	NR	540	481	NR	670	152	NR	800	3	NR	930	0	NR
415	21	NR	545	488	NR	675	132	NR	805	3	NR	935	0	NR
420	38	NR	550	495	NR	680	114	NR	810	2	NR	940	0	NR
425	66	NR	555	501	NR	685	100	NR	815	2	NR	945	0	NR
430	112	NR	560	509	NR	690	85	NR	820	2	NR	950	0	NR
435	192	NR	565	519	NR	695	73	NR	825	1	NR	955	0	NR
440	312	NR	570	525	NR	700	63	NR	830	1	NR	960	0	NR
445	533	NR	575	536	NR	705	54	NR	835	1	NR	965	0	NR
450	876	NR	580	543	NR	710	46	NR	840	1	NR	970	0	NR
455	991	NR	585	546	NR	715	40	NR	845	1	NR	975	0	NR
460	722	NR	590	547	NR	720	34	NR	850	1	NR	980	0	NR
465	519	NR	595	543	NR	725	29	NR	855	1	NR	985	0	NR
470	411	NR	600	532	NR	730	25	NR	860	1	NR	990	0	NR
475	297	NR	605	517	NR	735	21	NR	865	1	NR	995	0	NR
480	233	NR	610	497	NR	740	18	NR	870	1	NR	1000	0	NR
485	220	NR	615	472	NR	745	16	NR	875	1	NR			

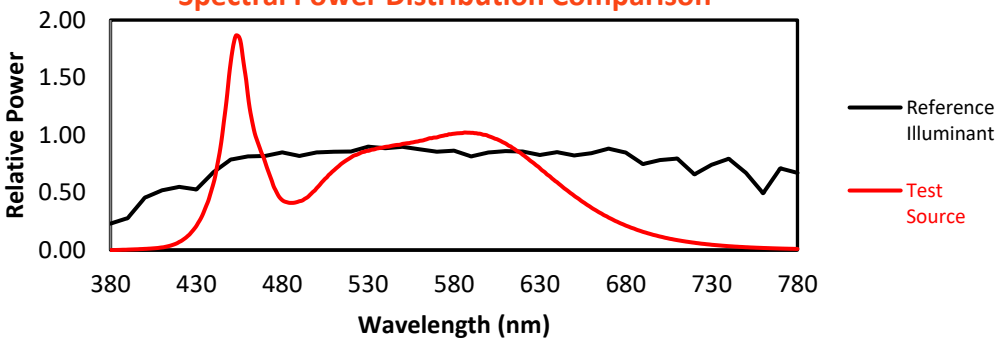
REPORT NUMBER: SP3-2602-684-4

TM-30-18

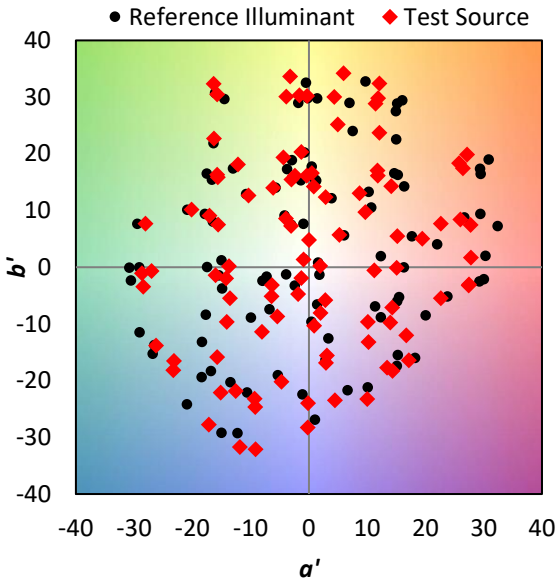
Summary

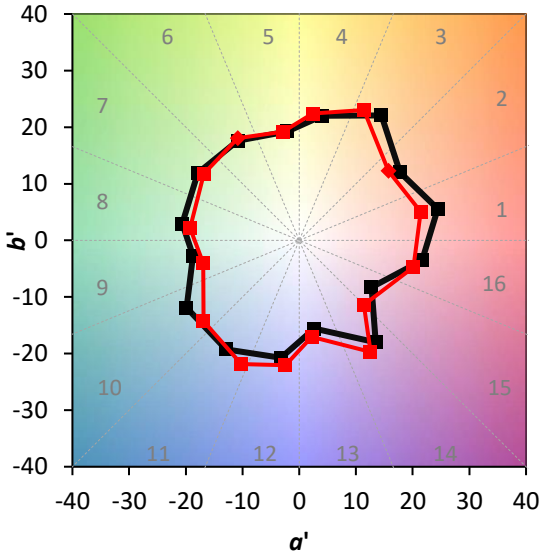
R_f = 83.2
R_g = 95.8
CIE R_a = 84.6
R_9 = 16.1

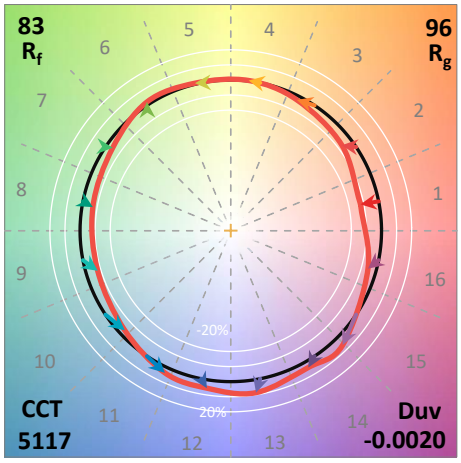
Spectral Power Distribution Comparison

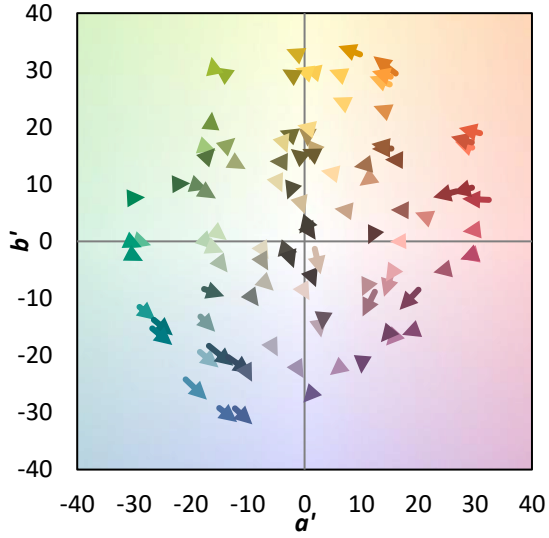


Color Vector Graphics







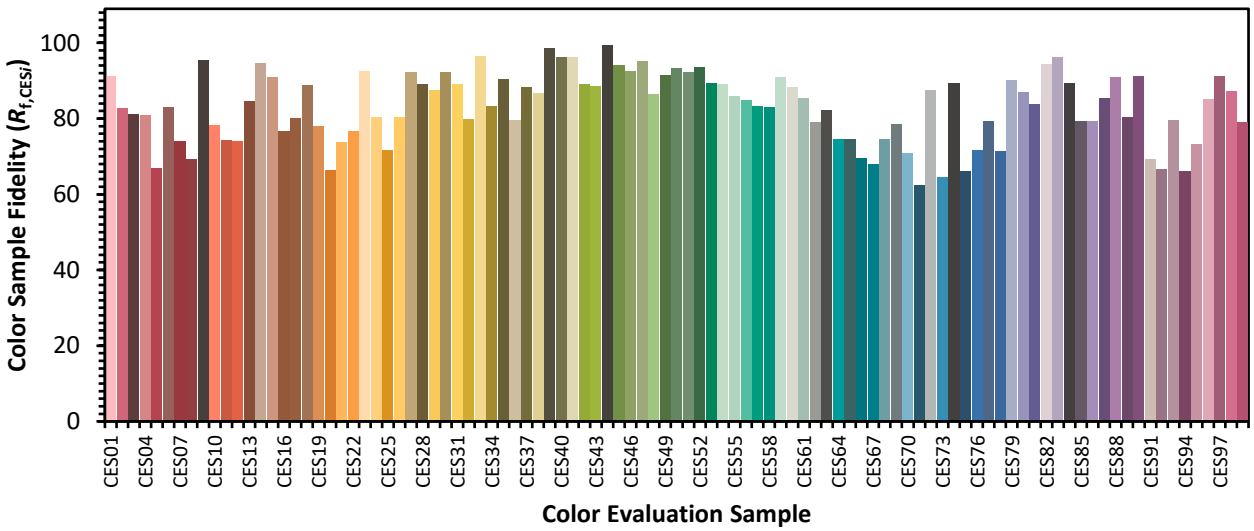


REPORT NUMBER: SP3-2602-684-4

TM-30-18

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

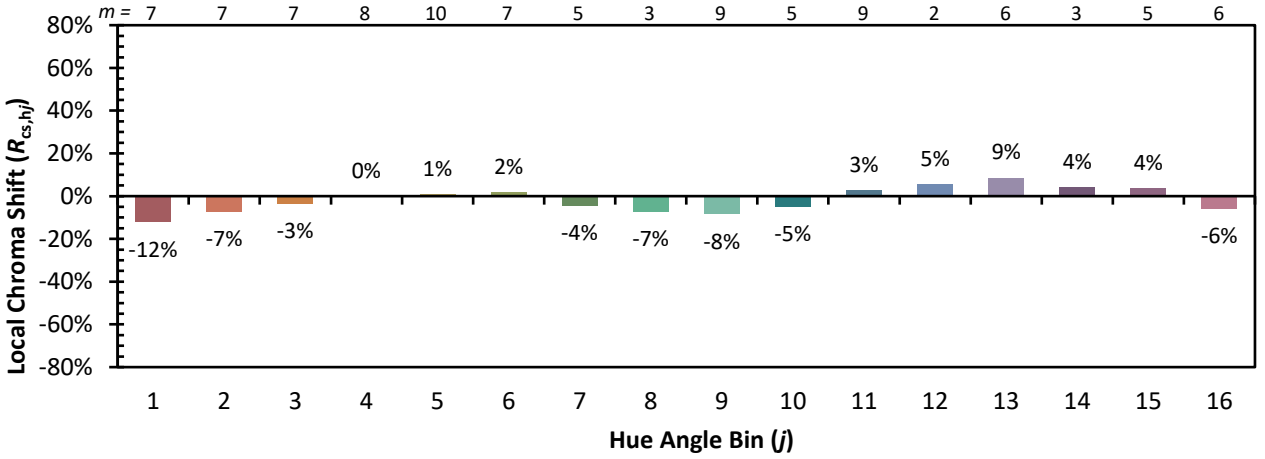
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 72
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 79
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 71
CES04 = 69	CES29 = 88	CES54 = 89	CES79 = 90
CES05 = 47	CES30 = 92	CES55 = 86	CES80 = 87
CES06 = 50	CES31 = 89	CES56 = 85	CES81 = 84
CES07 = 40	CES32 = 80	CES57 = 83	CES82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

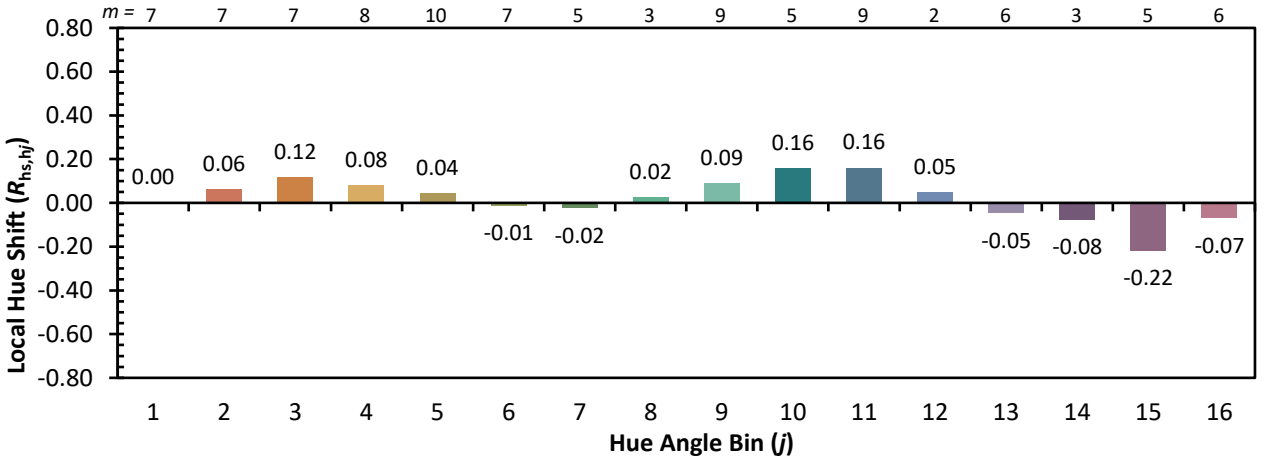


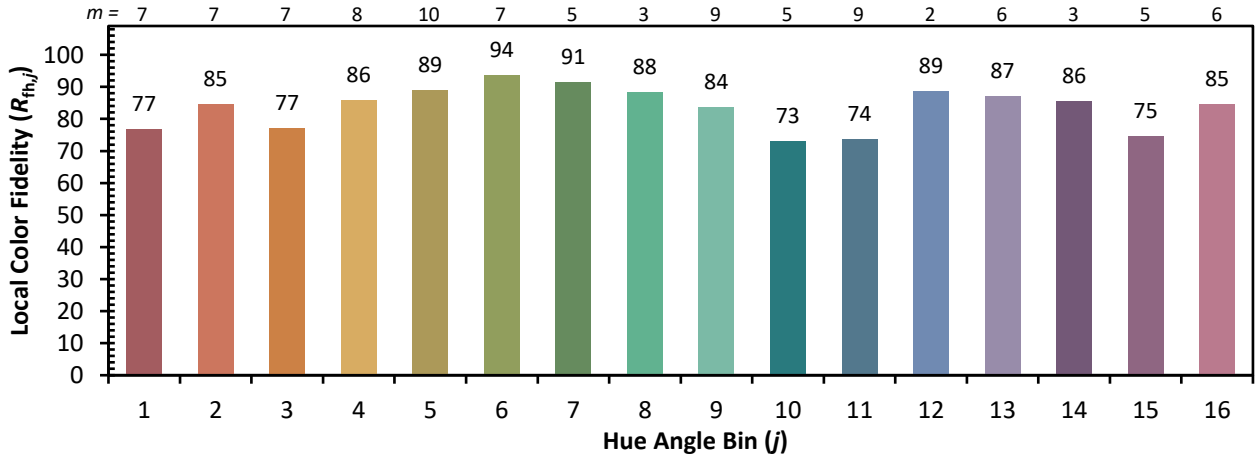
REPORT NUMBER: SP3-2602-684-4

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Color Rendition by Hue-Angle Bin



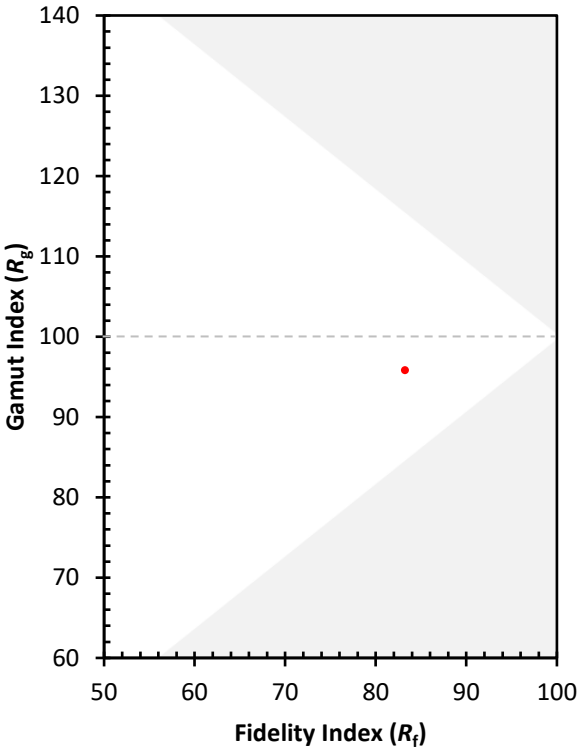


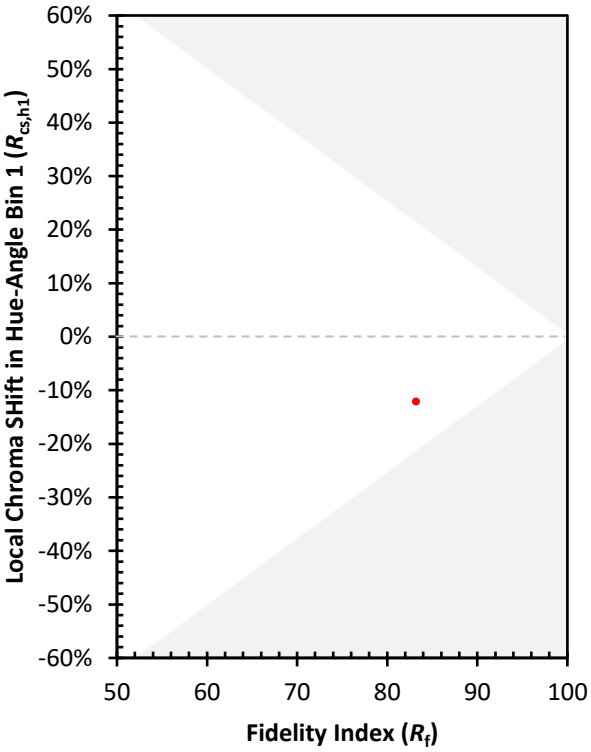


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Measure Comparisons





(END OF REPORT)