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: P1594552

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

Issue Date: 10/2/2026

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1121 Highway 74 South
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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594552
	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-5700K
Description:	1224 FlexBay Linear High bay at M beam, HI lumen, 5700K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24169.0 lumens
Efficiency:	N/A
Efficacy:	163.5 lumens/watt
Spacing Criteria (0/90/45):	1.35 / 1.17 / 1.26
Luminous Opening:	Rectangular (W 1.04' x L: 1.19' x H: 0')
CIE Type:	Direct

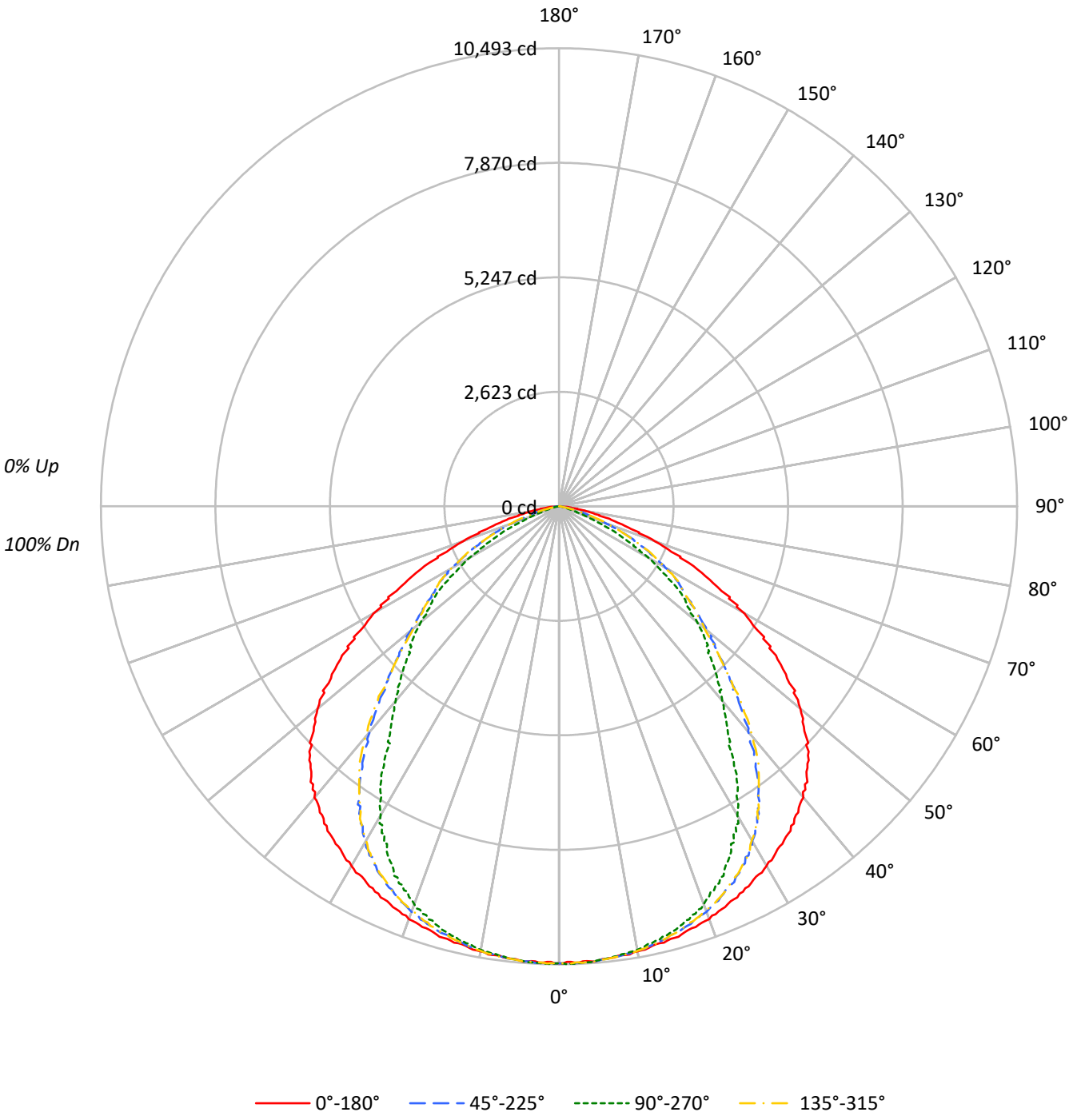
Input Watts (W):	147.8
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	91099	91099	91099	91099
5°	91203	91129	91203	91129
10°	91490	91142	91490	91142
15°	92211	90802	92211	90802
20°	93199	89783	93199	89783
25°	93962	86896	93962	86896
30°	95551	82081	95551	82081
35°	97222	73312	97222	73312
40°	98953	66064	98953	66064
45°	99277	60548	99277	60548
50°	97810	55939	97810	55939
55°	92686	50723	92686	50723
60°	85350	41437	85350	41437
65°	74303	30145	74303	30145
70°	59543	16054	59543	16054
75°	45175	7901	45175	7901
80°	30652	3678	30652	3678
85°	21795	2766	21795	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45.5°
Luminance: 99531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.4	4.1
10°-20°	2864.9	11.9
20°-30°	4346.5	18.0
30°-40°	4982.0	20.6
40°-50°	4515.3	18.7
50°-60°	3529.8	14.6
60°-70°	2144.5	8.9
70°-80°	701.6	2.9
80°-90°	90.9	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°	8204.9	33.9
0°-40°	13186.9	54.6
0°-60°	21232.0	87.8
0°-90°	24169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24169.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10469	10469	10469	10469	10469	
5°	10441	10433	10441	10433	10441	994
15°	10236	10080	10236	10080	10236	2891
25°	9787	9051	9787	9051	9787	4525
35°	9152	6902	9152	6902	9152	5724
45°	8068	4920	8068	4920	8068	6195
55°	6110	3344	6110	3344	6110	5442
65°	3609	1464	3609	1464	3609	3547
75°	1344	235	1344	235	1344	1443
85°	218	28	218	28	218	265
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°	10469.4	10469.4	10469.4	*10469.4*	10469.4	10469.4	10469.4	10469.4	10469.4	10469.4	10469.4
0.5°	10469.4	10469.4	10469.4	*10469.4*	10469.4	10469.4	10469.4	10469.4	10469.4	10469.4	10469.4
1°	*10439.5*	*10470.4*	*10463.9*	*10492.9*	*10463.3*	*10469.7*	*10439.5*	*10470.4*	*10463.9*	*10492.9*	*10463.3*
1.5°	10439.5	10487.1	10480.7	*10482.0*	10478.1	10476.2	10439.5	10487.1	10480.7	10482.0	10478.1
2°	10461.4	10477.5	10480.7	*10482.0*	10435.6	10486.5	10461.4	10477.5	10480.7	10482.0	10435.6
2.5°	10461.4	10467.8	10474.2	*10469.7*	10435.6	10478.1	10461.4	10467.8	10474.2	10469.7	10435.6
3°	10436.3	10467.8	10474.2	*10469.7*	10465.2	10482.0	10436.3	10467.8	10474.2	10469.7	10465.2
3.5°	10436.3	10453.6	10442.0	*10469.7*	10445.3	10467.8	10436.3	10453.6	10442.0	10469.7	10445.3
4°	10447.8	10453.6	10442.0	*10469.7*	10436.9	10467.8	10447.8	10453.6	10442.0	10469.7	10436.9
4.5°	10462.0	10461.4	10453.6	*10453.6*	10435.6	10478.1	10462.0	10461.4	10453.6	10453.6	10435.6
5°	10441.4	10446.6	10441.4	*10433.0*	10443.4	10449.8	10441.4	10446.6	10441.4	10433.0	10443.4
5.5°	10421.5	10431.8	10416.3	*10428.5*	10428.5	10435.0	10421.5	10431.8	10416.3	10428.5	10428.5
6°	10423.4	10441.4	10419.5	*10416.3*	10424.0	10438.2	10423.4	10441.4	10419.5	10416.3	10424.0
6.5°	10417.0	10429.2	10419.5	*10416.3*	10398.3	10444.6	10417.0	10429.2	10419.5	10416.3	10398.3
7°	10417.0	10408.6	10395.1	*10388.0*	10379.6	10431.1	10417.0	10408.6	10395.1	10388.0	10379.6
7.5°	10384.1	10406.0	10395.1	*10388.0*	10387.3	10427.9	10384.1	10406.0	10395.1	10388.0	10387.3
8°	10384.1	10413.7	10359.7	*10360.9*	10387.3	10406.0	10384.1	10413.7	10359.7	10360.9	10387.3
8.5°	10393.8	10379.0	10359.7	*10360.9*	10357.1	10393.8	10393.8	10379.0	10359.7	10360.9	10357.1
9°	10393.8	10382.8	10355.8	*10343.6*	10348.1	10398.9	10393.8	10382.8	10355.8	10343.6	10348.1
9.5°	10354.5	10368.6	10355.8	*10333.9*	10348.1	10369.3	10354.5	10368.6	10355.8	10333.9	10348.1
10°	10354.5	10346.1	10305.6	*10315.2*	10332.0	10345.5	10354.5	10346.1	10305.6	10315.2	10332.0
10.5°	10347.4	10348.1	10305.6	*10297.8*	10311.3	10350.0	10347.4	10348.1	10305.6	10297.8	10311.3
11°	10347.4	10337.1	10299.1	*10271.4*	10276.6	10356.4	10347.4	10337.1	10299.1	10271.4	10276.6
11.5°	10319.7	10310.7	10276.6	*10232.2*	10252.1	10321.7	10319.7	10310.7	10276.6	10232.2	10252.1
12°	10292.0	10299.1	10245.0	*10232.2*	10236.7	10299.1	10292.0	10299.1	10245.0	10232.2	10236.7
12.5°	10275.3	10272.1	10208.3	*10196.8*	10236.0	10296.5	10275.3	10272.1	10208.3	10196.8	10236.0
13°	10271.4	10272.1	10208.3	*10196.8*	10169.1	10281.1	10271.4	10272.1	10208.3	10196.8	10169.1
13.5°	10281.1	10249.5	10174.9	*10140.7*	10169.1	10259.8	10281.1	10249.5	10174.9	10140.7	10169.1
14°	10252.1	10235.4	10174.9	*10140.7*	10145.9	10239.9	10252.1	10235.4	10174.9	10140.7	10145.9
14.5°	10232.2	10205.8	10089.9	*10103.4*	10109.2	10208.3	10232.2	10205.8	10089.9	10103.4	10109.2
15°	10236.0	10200.0	10091.8	*10079.6*	10087.9	10192.2	10236.0	10200.0	10091.8	10079.6	10087.9
15.5°	10236.0	10187.7	10082.8	*10055.1*	10050.0	10197.4	10236.0	10187.7	10082.8	10055.1	10050.0
16°	10198.0	10156.8	10061.5	*10009.4*	10022.9	10154.9	10198.0	10156.8	10061.5	10009.4	10022.9
16.5°	10170.4	10134.3	10014.5	*9982.4*	9994.6	10126.6	10170.4	10134.3	10014.5	9982.4	9994.6
17°	10147.2	10130.4	9965.6	*9921.2*	9987.5	10121.4	10147.2	10130.4	9965.6	9921.2	9987.5
17.5°	10131.7	10098.2	9965.6	*9921.2*	9899.3	10093.7	10131.7	10098.2	9965.6	9921.2	9899.3
18°	10133.0	10062.2	9907.7	*9845.8*	9899.3	10069.3	10133.0	10062.2	9907.7	9845.8	9899.3
18.5°	10100.8	10062.2	9907.7	*9845.8*	9857.4	10034.5	10100.8	10062.2	9907.7	9845.8	9857.4
19°	10082.1	10009.4	9825.9	*9770.5*	9857.4	9998.4	10082.1	10009.4	9825.9	9770.5	9857.4
19.5°	10072.5	9996.5	9825.9	*9770.5*	9769.2	9981.0	10072.5	9996.5	9825.9	9770.5	9769.2
20°	10064.7	9982.4	9783.4	*9695.8*	9718.4	9974.6	10064.7	9982.4	9783.4	9695.8	9718.4
20.5°	10008.1	9941.8	9740.9	*9628.2*	9698.4	9939.2	10008.1	9941.8	9740.9	9628.2	9698.4
21°	10008.1	9912.8	9682.3	*9589.0*	9655.3	9910.9	10008.1	9912.8	9682.3	9589.0	9655.3
21.5°	9971.4	9900.6	9622.4	*9485.9*	9634.0	9883.8	9971.4	9900.6	9622.4	9485.9	9634.0
22°	9951.4	9865.8	9622.4	*9485.9*	9567.1	9865.8	9951.4	9865.8	9622.4	9485.9	9567.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	9939.8	9828.5	9536.8	9383.6	9526.5	9825.2	9939.8	9828.5	9536.8	9383.6	9526.5
23°	9899.9	9811.1	9482.7	9383.6	9466.6	9805.3	9899.9	9811.1	9482.7	9383.6	9466.6
23.5°	9862.6	9726.7	9426.1	9271.5	9466.6	9731.9	9862.6	9726.7	9426.1	9271.5	9466.6
24°	9851.0	9699.7	9426.1	9271.5	9357.8	9702.3	9851.0	9699.7	9426.1	9271.5	9357.8
24.5°	9848.4	9699.7	9341.1	9137.0	9290.9	9686.8	9848.4	9699.7	9341.1	9137.0	9290.9
25°	9786.6	9654.0	9341.1	9050.7	9251.6	9629.5	9786.6	9654.0	9341.1	9050.7	9251.6
25.5°	9786.6	9614.1	9203.9	8994.7	9186.5	9598.0	9786.6	9614.1	9203.9	8994.7	9186.5
26°	9731.9	9596.7	9153.7	8923.8	9147.9	9573.5	9731.9	9596.7	9153.7	8923.8	9147.9
26.5°	9731.9	9556.1	9104.1	8842.1	9058.4	9546.4	9731.9	9556.1	9104.1	8842.1	9058.4
27°	9689.4	9507.8	8967.6	8680.5	8987.6	9485.9	9689.4	9507.8	8967.6	8680.5	8987.6
27.5°	9646.3	9476.9	8967.6	8680.5	8887.8	9458.2	9646.3	9476.9	8967.6	8680.5	8887.8
28°	9612.1	9388.1	8820.2	8513.7	8887.8	9420.9	9612.1	9388.1	8820.2	8513.7	8887.8
28.5°	9596.0	9388.1	8820.2	8513.7	8720.4	9375.8	9596.0	9388.1	8820.2	8513.7	8720.4
29°	9592.2	9317.2	8685.6	8347.0	8720.4	9304.4	9592.2	9317.2	8685.6	8347.0	8720.4
29.5°	9547.7	9266.4	8685.6	8347.0	8576.8	9240.0	9547.7	9266.4	8685.6	8347.0	8576.8
30°	9509.8	9203.9	8502.8	8169.2	8478.9	9186.5	9509.8	9203.9	8502.8	8169.2	8478.9
30.5°	9460.2	9171.7	8417.1	8068.2	8402.3	9142.1	9460.2	9171.7	8417.1	8068.2	8402.3
31°	9460.2	9112.5	8340.5	7976.7	8287.1	9118.9	9460.2	9112.5	8340.5	7976.7	8287.1
31.5°	9413.8	9052.6	8144.1	7784.2	8190.5	9053.9	9413.8	9052.6	8144.1	7784.2	8190.5
32°	9365.5	8990.8	8144.1	7716.0	8096.5	9006.3	9365.5	8990.8	8144.1	7716.0	8096.5
32.5°	9317.2	8951.5	7933.6	7620.7	8024.4	8951.5	9317.2	8951.5	7933.6	7620.7	8024.4
33°	9283.7	8868.5	7933.6	7463.6	7793.2	8891.7	9283.7	8868.5	7933.6	7463.6	7793.2
33.5°	9273.5	8746.8	7734.6	7375.4	7793.2	8796.4	9273.5	8746.8	7734.6	7375.4	7793.2
34°	9221.3	8746.8	7734.6	7166.8	7605.2	8719.1	9221.3	8746.8	7734.6	7166.8	7605.2
34.5°	9182.7	8590.3	7502.9	7065.7	7483.5	8647.6	9182.7	8590.3	7502.9	7065.7	7483.5
35°	9152.4	8541.4	7392.8	6901.5	7377.3	8589.0	9152.4	8541.4	7392.8	6901.5	7377.3
35.5°	9131.2	8436.5	7300.0	6672.9	7242.1	8528.5	9131.2	8436.5	7300.0	6672.9	7242.1
36°	9048.1	8360.5	7152.6	6672.9	7129.4	8438.4	9048.1	8360.5	7152.6	6672.9	7129.4
36.5°	9048.1	8242.0	7018.0	6508.1	7020.0	8365.0	9048.1	8242.0	7018.0	6508.1	7020.0
37°	8958.6	8191.8	6761.8	6418.0	6897.0	8295.4	8958.6	8191.8	6761.8	6418.0	6897.0
37.5°	8916.1	8048.2	6761.8	6315.6	6833.9	8211.1	8916.1	8048.2	6761.8	6315.6	6833.9
38°	8896.8	7975.5	6531.9	6213.8	6693.5	8111.3	8896.8	7975.5	6531.9	6213.8	6693.5
38.5°	8825.3	7832.5	6531.9	6119.2	6529.4	8016.6	8825.3	7832.5	6531.9	6119.2	6529.4
39°	8775.8	7590.4	6296.3	6000.1	6529.4	7795.2	8775.8	7590.4	6296.3	6000.1	6529.4
39.5°	8731.3	7520.9	6296.3	5937.0	6309.8	7692.1	8731.3	7520.9	6296.3	5937.0	6309.8
40°	8711.4	7349.6	6126.9	5816.0	6228.7	7586.6	8711.4	7349.6	6126.9	5816.0	6228.7
40.5°	8603.2	7250.5	6126.9	5743.8	6073.5	7451.4	8603.2	7250.5	6126.9	5743.8	6073.5
41°	8603.2	7061.8	5899.7	5605.4	5992.4	7309.7	8603.2	7061.8	5899.7	5605.4	5992.4
41.5°	8502.8	6977.5	5774.1	5605.4	5857.2	7177.7	8502.8	6977.5	5774.1	5605.4	5857.2
42°	8502.8	6779.8	5689.1	5450.2	5640.2	7024.5	8502.8	6779.8	5689.1	5450.2	5640.2
42.5°	8398.5	6667.8	5526.2	5373.0	5640.2	6863.5	8398.5	6667.8	5526.2	5373.0	5640.2
43°	8313.5	6494.6	5526.2	5294.4	5467.0	6701.2	8313.5	6494.6	5526.2	5294.4	5467.0
43.5°	8263.2	6214.5	5368.5	5190.8	5467.0	6536.4	8263.2	6214.5	5368.5	5190.8	5467.0
44°	8193.1	6214.5	5368.5	5110.9	5277.7	6202.9	8193.1	6214.5	5368.5	5110.9	5277.7
44.5°	8157.7	5958.9	5228.7	4998.2	5277.7	6033.6	8157.7	5958.9	5228.7	4998.2	5277.7

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594552
CATALOG NUMBER: FLXB-1224-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	8067.5	5803.1	5228.7	4920.3	5119.9	5871.3	8067.5	5803.1	5228.7	4920.3	5119.9
45.5°	8017.3	5684.6	5058.8	4780.0	5030.4	5678.8	8017.3	5684.6	5058.8	4780.0	5030.4
46°	7871.8	5540.4	4993.1	4780.0	4967.4	5550.0	7871.8	5540.4	4993.1	4780.0	4967.4
46.5°	7871.8	5436.1	4904.9	4662.2	4862.4	5373.6	7871.8	5436.1	4904.9	4662.2	4862.4
47°	7737.2	5271.9	4736.2	4662.2	4787.7	5250.6	7737.2	5271.9	4736.2	4662.2	4787.7
47.5°	7625.8	5188.8	4736.2	4564.9	4700.8	5092.3	7625.8	5188.8	4736.2	4564.9	4700.8
48°	7551.1	5034.3	4578.5	4478.7	4640.9	4989.9	7551.1	5034.3	4578.5	4478.7	4640.9
48.5°	7452.0	4950.6	4578.5	4411.1	4482.5	4847.6	7452.0	4950.6	4578.5	4411.1	4482.5
49°	7410.8	4744.6	4449.1	4319.6	4482.5	4639.6	7410.8	4744.6	4449.1	4319.6	4482.5
49.5°	7297.5	4744.6	4449.1	4218.6	4330.6	4545.6	7297.5	4744.6	4449.1	4218.6	4330.6
50°	7225.3	4543.7	4282.9	4132.3	4250.7	4440.0	7225.3	4543.7	4282.9	4132.3	4250.7
50.5°	7115.9	4436.2	4282.9	4044.7	4195.4	4366.6	7115.9	4436.2	4282.9	4044.7	4195.4
51°	7047.0	4369.9	4113.6	3860.6	4105.2	4276.5	7047.0	4369.9	4113.6	3860.6	4105.2
51.5°	6864.8	4252.7	4032.5	3860.6	4023.5	4202.5	6864.8	4252.7	4032.5	3860.6	4023.5
52°	6864.8	4188.3	3948.8	3730.5	3853.5	4123.9	6864.8	4188.3	3948.8	3730.5	3853.5
52.5°	6651.0	4097.5	3783.3	3713.8	3774.9	4052.4	6651.0	4097.5	3783.3	3713.8	3774.9
53°	6538.4	4024.1	3783.3	3634.6	3774.9	3976.5	6538.4	4024.1	3783.3	3634.6	3774.9
53.5°	6470.1	3877.3	3619.1	3605.0	3689.9	3905.6	6470.1	3877.3	3619.1	3605.0	3689.9
54°	6338.8	3877.3	3619.1	3501.3	3536.0	3845.7	6338.8	3877.3	3619.1	3501.3	3536.0
54.5°	6242.2	3727.3	3453.0	3442.7	3536.0	3708.0	6242.2	3727.3	3453.0	3442.7	3536.0
55°	6109.6	3654.5	3453.0	3343.5	3379.6	3648.7	6109.6	3654.5	3453.0	3343.5	3379.6
55.5°	6031.0	3594.7	3313.9	3248.3	3350.6	3520.6	6031.0	3594.7	3313.9	3248.3	3350.6
56°	5813.4	3516.1	3313.9	3146.5	3275.3	3520.6	5813.4	3516.1	3313.9	3146.5	3275.3
56.5°	5813.4	3460.1	3247.0	2984.9	3249.5	3463.9	5813.4	3460.1	3247.0	2984.9	3249.5
57°	5575.2	3397.0	3187.1	2984.9	3219.9	3395.7	5575.2	3397.0	3187.1	2984.9	3219.9
57.5°	5575.2	3326.2	3170.3	2810.4	3162.0	3336.5	5575.2	3326.2	3170.3	2810.4	3162.0
58°	5353.7	3259.8	3026.1	2737.7	3135.6	3267.6	5353.7	3259.8	3026.1	2737.7	3135.6
58.5°	5219.1	3198.0	3026.1	2648.2	2979.8	3212.2	5219.1	3198.0	3026.1	2648.2	2979.8
59°	5111.6	3078.9	2848.4	2556.7	2979.8	3078.9	5111.6	3078.9	2848.4	2556.7	2979.8
59.5°	4997.0	3078.9	2848.4	2473.7	2757.6	3013.9	4997.0	3078.9	2848.4	2473.7	2757.6
60°	4904.3	2955.3	2649.5	2381.0	2757.6	2957.9	4904.3	2955.3	2649.5	2381.0	2757.6
60.5°	4674.4	2887.1	2649.5	2282.5	2561.9	2887.7	4674.4	2887.1	2649.5	2282.5	2561.9
61°	4674.4	2802.7	2463.4	2106.1	2480.8	2824.6	4674.4	2802.7	2463.4	2106.1	2480.8
61.5°	4431.0	2745.4	2382.9	2106.1	2390.6	2757.0	4431.0	2745.4	2382.9	2106.1	2390.6
62°	4431.0	2665.6	2297.9	1930.9	2305.0	2696.5	4431.0	2665.6	2297.9	1930.9	2305.0
62.5°	4194.1	2601.2	2130.5	1930.9	2216.2	2632.1	4194.1	2601.2	2130.5	1930.9	2216.2
63°	4075.6	2527.8	2130.5	1768.7	2144.7	2572.2	4075.6	2527.8	2130.5	1768.7	2144.7
63.5°	3942.3	2465.3	2026.9	1693.4	2067.4	2508.5	3942.3	2465.3	2026.9	1693.4	2067.4
64°	3838.7	2395.8	1939.3	1610.9	1882.6	2435.1	3838.7	2395.8	1939.3	1610.9	1882.6
64.5°	3717.0	2296.0	1771.9	1544.0	1882.6	2308.2	3717.0	2296.0	1771.9	1544.0	1882.6
65°	3608.8	2241.9	1771.9	1464.1	1700.4	2241.9	3608.8	2241.9	1771.9	1464.1	1700.4
65.5°	3479.4	2182.0	1592.3	1399.1	1620.6	2159.5	3479.4	2182.0	1592.3	1399.1	1620.6
66°	3371.9	2139.5	1592.3	1316.1	1528.5	2097.0	3371.9	2139.5	1592.3	1316.1	1528.5
66.5°	3239.3	2097.0	1437.1	1134.5	1436.4	2026.9	3239.3	2097.0	1437.1	1134.5	1436.4
67°	3012.6	2020.4	1360.5	1134.5	1343.7	1954.1	3012.6	2020.4	1360.5	1134.5	1343.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	3012.6	1935.4	1278.7	965.8	1260.7	1885.2	3012.6	1935.4	1278.7	965.8	1260.7
68°	2776.3	1871.0	1113.9	871.1	1189.8	1820.2	2776.3	1871.0	1113.9	871.1	1189.8
68.5°	2681.0	1789.3	1113.9	833.8	1113.9	1763.5	2681.0	1789.3	1113.9	833.8	1113.9
69°	2558.7	1630.2	956.8	744.9	1032.1	1704.3	2558.7	1630.2	956.8	744.9	1032.1
69.5°	2470.5	1630.2	956.8	701.8	885.3	1645.7	2470.5	1630.2	956.8	701.8	885.3
70°	2340.4	1477.0	803.5	631.0	885.3	1536.9	2340.4	1477.0	803.5	631.0	885.3
70.5°	2254.8	1403.6	803.5	582.7	761.7	1478.9	2254.8	1403.6	803.5	582.7	761.7
71°	2130.5	1338.6	643.2	522.8	761.7	1415.2	2130.5	1338.6	643.2	522.8	761.7
71.5°	1929.0	1267.1	558.9	487.4	653.5	1345.0	1929.0	1267.1	558.9	487.4	653.5
72°	1929.0	1211.7	506.1	423.0	622.0	1259.4	1929.0	1211.7	506.1	423.0	622.0
72.5°	1734.5	1157.0	448.8	423.0	533.7	1199.5	1734.5	1157.0	448.8	423.0	533.7
73°	1672.1	1101.0	415.9	374.7	500.3	1017.3	1672.1	1101.0	415.9	374.7	500.3
73.5°	1566.5	1043.7	354.1	327.1	414.6	1017.3	1566.5	1043.7	354.1	327.1	414.6
74°	1505.3	998.0	354.1	309.7	321.9	926.5	1505.3	998.0	354.1	309.7	321.9
74.5°	1390.7	882.1	260.8	251.7	321.9	855.7	1390.7	882.1	260.8	251.7	321.9
75°	1343.7	882.1	260.8	235.0	274.9	722.4	1343.7	882.1	260.8	235.0	274.9
75.5°	1233.0	774.6	238.9	185.4	274.9	663.2	1233.0	774.6	238.9	185.4	274.9
76°	1193.1	691.5	238.9	175.8	229.2	605.2	1193.1	691.5	238.9	175.8	229.2
76.5°	1090.0	664.5	201.5	150.0	214.4	548.6	1090.0	664.5	201.5	150.0	214.4
77°	951.0	573.0	186.1	150.0	191.2	493.8	951.0	573.0	186.1	150.0	191.2
77.5°	951.0	558.2	169.3	130.1	177.7	443.0	951.0	558.2	169.3	130.1	177.7
78°	832.5	481.6	133.3	130.1	154.5	387.6	832.5	481.6	133.3	130.1	154.5
78.5°	813.8	465.5	133.3	109.5	146.8	346.4	813.8	465.5	133.3	109.5	146.8
79°	714.7	399.8	100.4	94.6	132.0	298.8	714.7	399.8	100.4	94.6	132.0
79.5°	700.5	386.9	100.4	89.5	109.5	251.1	700.5	386.9	100.4	89.5	109.5
80°	611.7	319.3	80.5	73.4	109.5	184.1	611.7	319.3	80.5	73.4	109.5
80.5°	602.0	264.0	80.5	68.9	83.1	164.2	602.0	264.0	80.5	68.9	83.1
81°	519.0	255.6	70.8	60.5	78.5	145.5	519.0	255.6	70.8	60.5	78.5
81.5°	428.8	201.5	70.8	58.0	65.7	128.1	428.8	201.5	70.8	58.0	65.7
82°	428.8	194.4	58.0	48.9	62.5	113.3	428.8	194.4	58.0	48.9	62.5
82.5°	351.5	144.2	51.5	48.9	56.0	101.7	351.5	144.2	51.5	48.9	56.0
83°	351.5	139.1	45.1	39.9	52.2	86.9	351.5	139.1	45.1	39.9	52.2
83.5°	279.4	104.3	36.7	33.5	45.7	74.7	279.4	104.3	36.7	33.5	45.7
84°	274.9	99.8	36.7	32.8	39.3	62.5	274.9	99.8	36.7	32.8	39.3
84.5°	218.3	77.9	30.3	28.3	31.5	54.1	218.3	77.9	30.3	28.3	31.5
85°	218.3	77.9	30.3	27.7	23.8	45.7	218.3	77.9	30.3	27.7	23.8
85.5°	168.7	58.0	17.4	23.8	23.8	31.5	168.7	58.0	17.4	23.8	23.8
86°	168.7	46.4	17.4	21.9	20.6	25.8	168.7	46.4	17.4	21.9	20.6
86.5°	125.6	46.4	10.3	19.3	18.7	19.3	125.6	46.4	10.3	19.3	18.7
87°	93.4	34.8	9.7	17.4	12.9	13.5	93.4	34.8	9.7	17.4	12.9
87.5°	93.4	25.8	9.0	10.3	11.6	9.0	93.4	25.8	9.0	10.3	11.6
88°	68.3	25.8	7.7	10.3	6.4	7.7	68.3	25.8	7.7	10.3	6.4
88.5°	68.3	25.8	6.4	6.4	6.4	5.1	68.3	25.8	6.4	6.4	6.4
89°	49.6	18.7	3.2	5.8	5.1	3.2	49.6	18.7	3.2	5.8	5.1
89.5°	49.6	18.7	3.2	5.8	3.9	2.6	49.6	18.7	3.2	5.8	3.9

TEST NUMBER: P1594552
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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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TEST NUMBER: P1594552
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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	10469.4	10469.4
0.5°	10469.4	10469.4
1°	*10469.7*	*10439.5*
1.5°	10476.2	10439.5
2°	10486.5	10461.4
2.5°	10478.1	10461.4
3°	10482.0	10436.3
3.5°	10467.8	10436.3
4°	10467.8	10447.8
4.5°	10478.1	10462.0
5°	10449.8	10441.4
5.5°	10435.0	10421.5
6°	10438.2	10423.4
6.5°	10444.6	10417.0
7°	10431.1	10417.0
7.5°	10427.9	10384.1
8°	10406.0	10384.1
8.5°	10393.8	10393.8
9°	10398.9	10393.8
9.5°	10369.3	10354.5
10°	10345.5	10354.5
10.5°	10350.0	10347.4
11°	10356.4	10347.4
11.5°	10321.7	10319.7
12°	10299.1	10292.0
12.5°	10296.5	10275.3
13°	10281.1	10271.4
13.5°	10259.8	10281.1
14°	10239.9	10252.1
14.5°	10208.3	10232.2
15°	10192.2	10236.0
15.5°	10197.4	10236.0
16°	10154.9	10198.0
16.5°	10126.6	10170.4
17°	10121.4	10147.2
17.5°	10093.7	10131.7
18°	10069.3	10133.0
18.5°	10034.5	10100.8
19°	9998.4	10082.1
19.5°	9981.0	10072.5
20°	9974.6	10064.7
20.5°	9939.2	10008.1
21°	9910.9	10008.1
21.5°	9883.8	9971.4
22°	9865.8	9951.4

TEST NUMBER: P1594552
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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	9825.2	9939.8
23°	9805.3	9899.9
23.5°	9731.9	9862.6
24°	9702.3	9851.0
24.5°	9686.8	9848.4
25°	9629.5	9786.6
25.5°	9598.0	9786.6
26°	9573.5	9731.9
26.5°	9546.4	9731.9
27°	9485.9	9689.4
27.5°	9458.2	9646.3
28°	9420.9	9612.1
28.5°	9375.8	9596.0
29°	9304.4	9592.2
29.5°	9240.0	9547.7
30°	9186.5	9509.8
30.5°	9142.1	9460.2
31°	9118.9	9460.2
31.5°	9053.9	9413.8
32°	9006.3	9365.5
32.5°	8951.5	9317.2
33°	8891.7	9283.7
33.5°	8796.4	9273.5
34°	8719.1	9221.3
34.5°	8647.6	9182.7
35°	8589.0	9152.4
35.5°	8528.5	9131.2
36°	8438.4	9048.1
36.5°	8365.0	9048.1
37°	8295.4	8958.6
37.5°	8211.1	8916.1
38°	8111.3	8896.8
38.5°	8016.6	8825.3
39°	7795.2	8775.8
39.5°	7692.1	8731.3
40°	7586.6	8711.4
40.5°	7451.4	8603.2
41°	7309.7	8603.2
41.5°	7177.7	8502.8
42°	7024.5	8502.8
42.5°	6863.5	8398.5
43°	6701.2	8313.5
43.5°	6536.4	8263.2
44°	6202.9	8193.1
44.5°	6033.6	8157.7

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TEST NUMBER: P1594552
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CANDELA DISTRIBUTION (continued):

	330°	360°
45°	5871.3	8067.5
45.5°	5678.8	8017.3
46°	5550.0	7871.8
46.5°	5373.6	7871.8
47°	5250.6	7737.2
47.5°	5092.3	7625.8
48°	4989.9	7551.1
48.5°	4847.6	7452.0
49°	4639.6	7410.8
49.5°	4545.6	7297.5
50°	4440.0	7225.3
50.5°	4366.6	7115.9
51°	4276.5	7047.0
51.5°	4202.5	6864.8
52°	4123.9	6864.8
52.5°	4052.4	6651.0
53°	3976.5	6538.4
53.5°	3905.6	6470.1
54°	3845.7	6338.8
54.5°	3708.0	6242.2
55°	3648.7	6109.6
55.5°	3520.6	6031.0
56°	3520.6	5813.4
56.5°	3463.9	5813.4
57°	3395.7	5575.2
57.5°	3336.5	5575.2
58°	3267.6	5353.7
58.5°	3212.2	5219.1
59°	3078.9	5111.6
59.5°	3013.9	4997.0
60°	2957.9	4904.3
60.5°	2887.7	4674.4
61°	2824.6	4674.4
61.5°	2757.0	4431.0
62°	2696.5	4431.0
62.5°	2632.1	4194.1
63°	2572.2	4075.6
63.5°	2508.5	3942.3
64°	2435.1	3838.7
64.5°	2308.2	3717.0
65°	2241.9	3608.8
65.5°	2159.5	3479.4
66°	2097.0	3371.9
66.5°	2026.9	3239.3
67°	1954.1	3012.6

TEST NUMBER: P1594552
CATALOG NUMBER: FLXB-1224-M-HI-5700K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	1885.2	3012.6
68°	1820.2	2776.3
68.5°	1763.5	2681.0
69°	1704.3	2558.7
69.5°	1645.7	2470.5
70°	1536.9	2340.4
70.5°	1478.9	2254.8
71°	1415.2	2130.5
71.5°	1345.0	1929.0
72°	1259.4	1929.0
72.5°	1199.5	1734.5
73°	1017.3	1672.1
73.5°	1017.3	1566.5
74°	926.5	1505.3
74.5°	855.7	1390.7
75°	722.4	1343.7
75.5°	663.2	1233.0
76°	605.2	1193.1
76.5°	548.6	1090.0
77°	493.8	951.0
77.5°	443.0	951.0
78°	387.6	832.5
78.5°	346.4	813.8
79°	298.8	714.7
79.5°	251.1	700.5
80°	184.1	611.7
80.5°	164.2	602.0
81°	145.5	519.0
81.5°	128.1	428.8
82°	113.3	428.8
82.5°	101.7	351.5
83°	86.9	351.5
83.5°	74.7	279.4
84°	62.5	274.9
84.5°	54.1	218.3
85°	45.7	218.3
85.5°	31.5	168.7
86°	25.8	168.7
86.5°	19.3	125.6
87°	13.5	93.4
87.5°	9.0	93.4
88°	7.7	68.3
88.5°	5.1	68.3
89°	3.2	49.6
89.5°	2.6	49.6

TEST NUMBER: P1594552
CATALOG NUMBER: FLXB-1224-M-HI-5700K

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: P1594552
CATALOG NUMBER: FLXB-1224-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	27.1	28.6	27.5	29.0	29.3	24.9	26.4	25.2	26.7	27.0
	3H	28.6	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	30.6	31.0	25.3	26.6	25.7	26.9	27.3
	6H	29.2	30.4	29.6	30.8	31.1	25.3	26.4	25.7	26.8	27.2
	8H	29.3	30.4	29.7	30.7	31.1	25.3	26.4	25.7	26.7	27.1
	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	27.3
	3H	28.9	30.0	29.3	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	30.3	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	26.7	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	30.1	30.7	31.2	25.9	26.5	26.4	27.0	27.5
	12H	29.7	30.1	30.2	30.6	31.2	25.9	26.4	26.4	26.9	27.4
12H	4H	29.3	30.0	29.8	30.4	30.9	26.0	26.7	26.5	27.1	27.6
	6H	29.5	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: SP3-2602-684-5

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

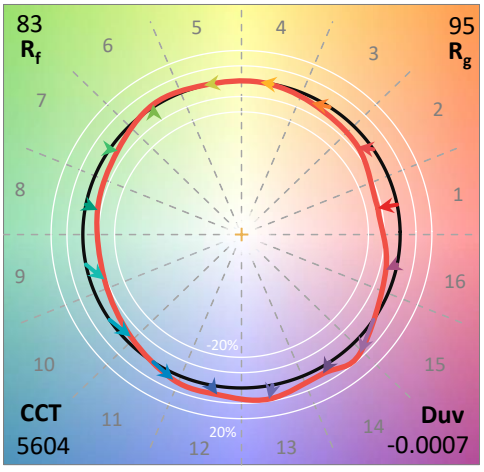
Test Information

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

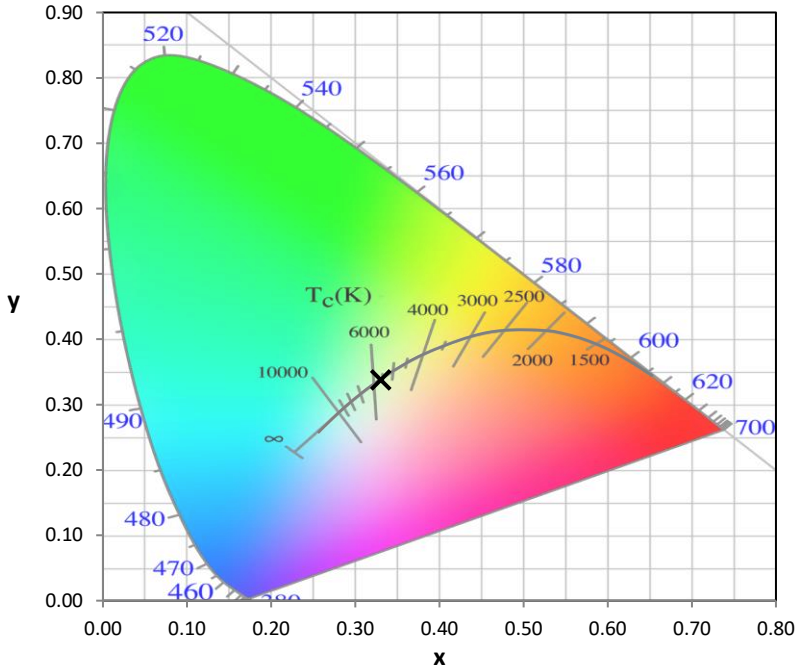
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-5

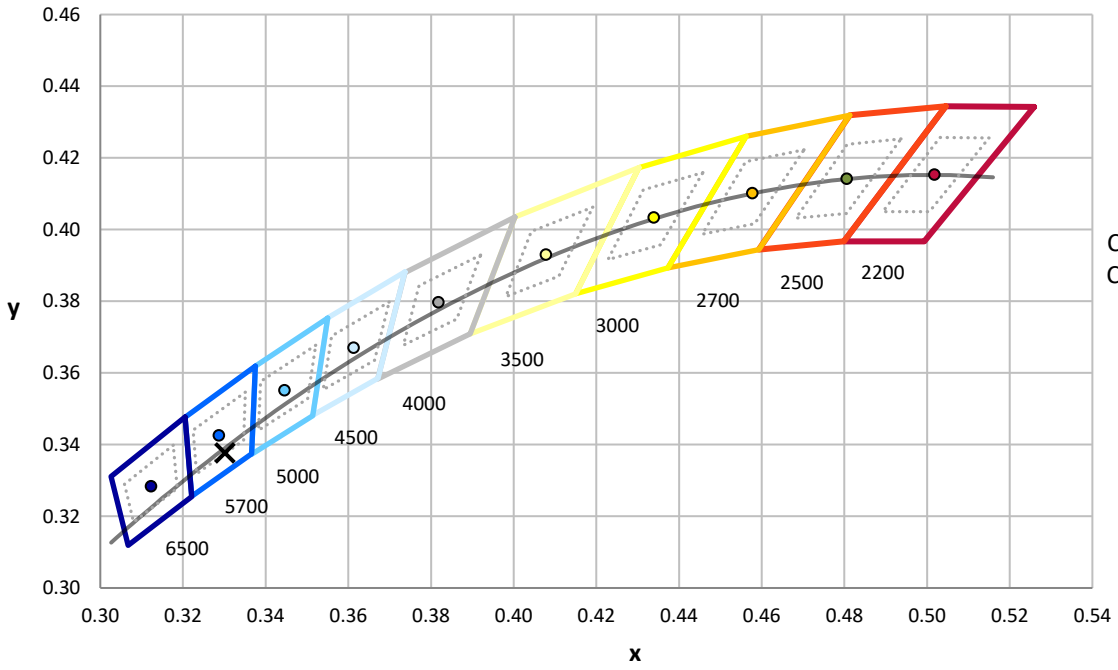
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

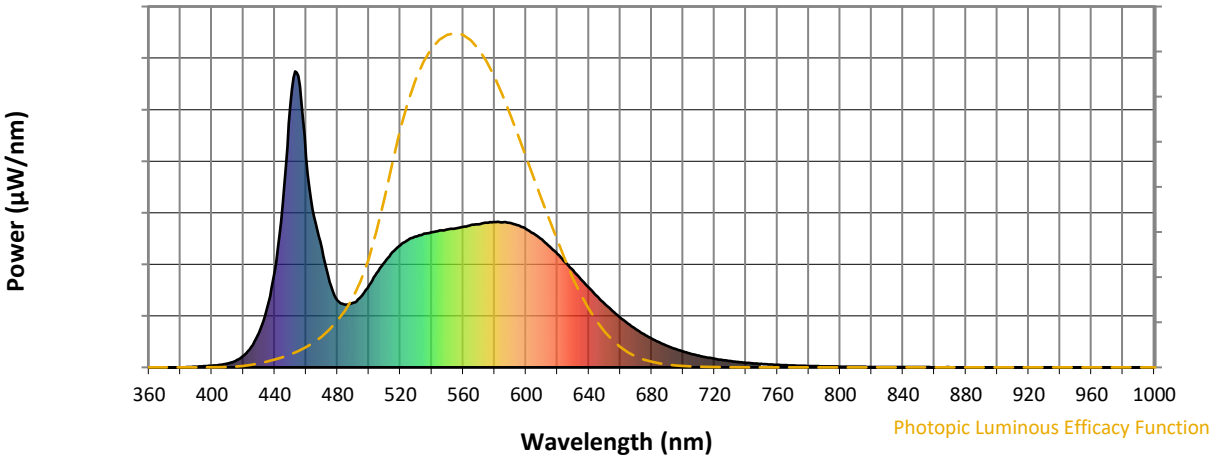


CCT = 5604K
CIE x = 0.3301
CIE y = 0.3376
Duv = -0.0007

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-5

Photopic Flux vs. Wavelength

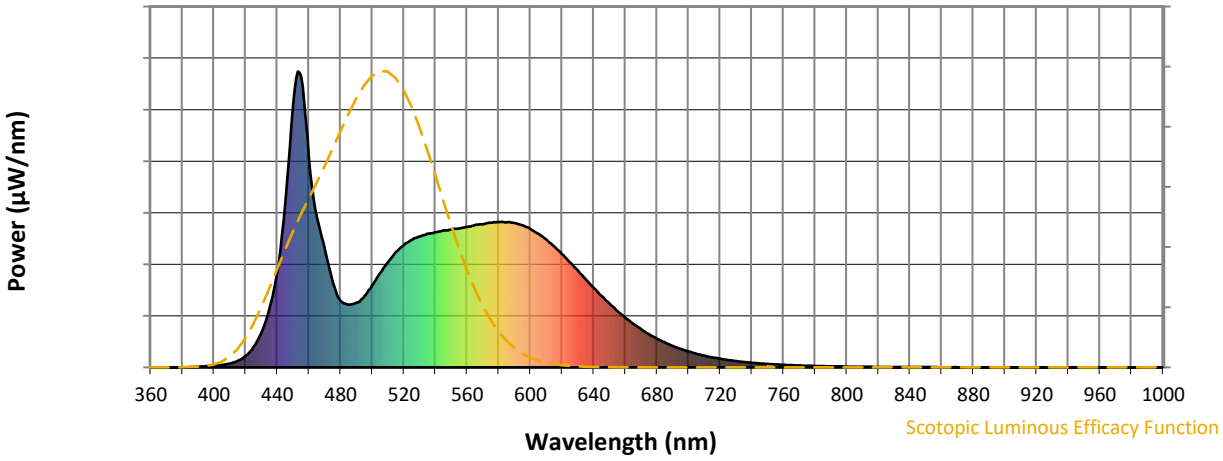


Photopic Lumens: NR

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

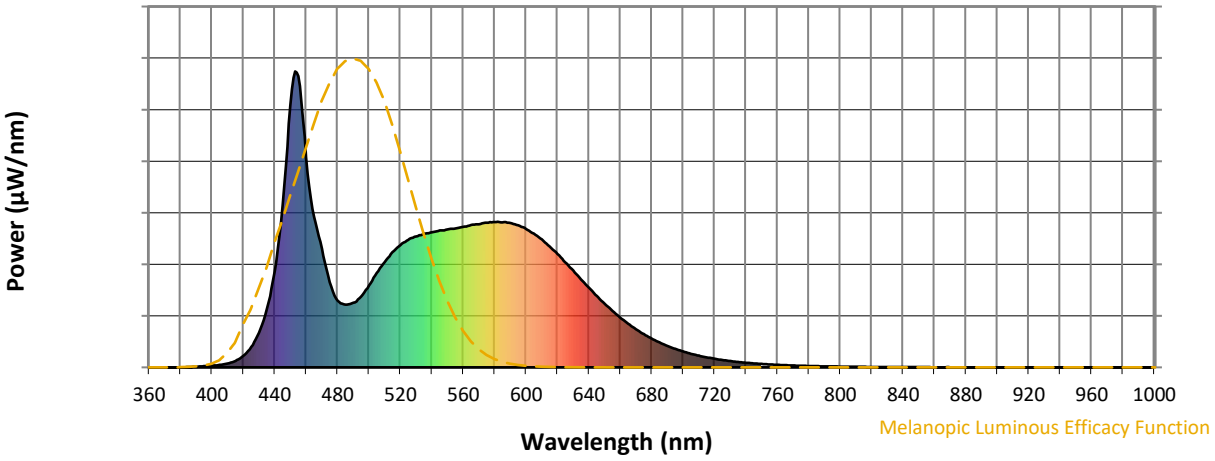


Scotopic Lumens: NR **S/P: 2.09**

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			

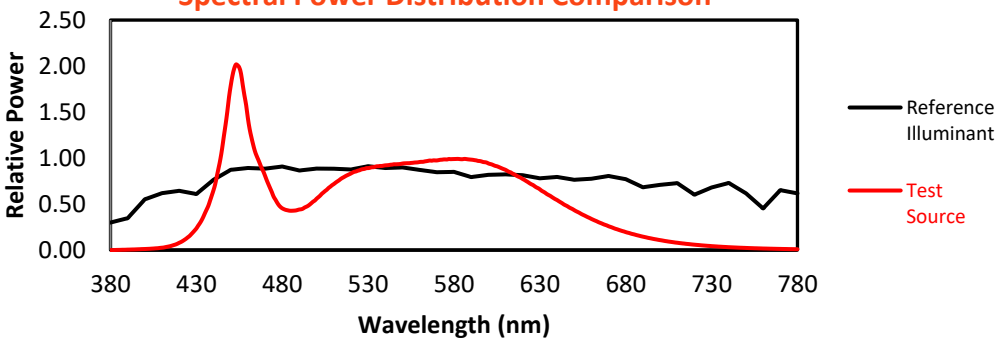
REPORT NUMBER: SP3-2602-684-5

TM-30-18

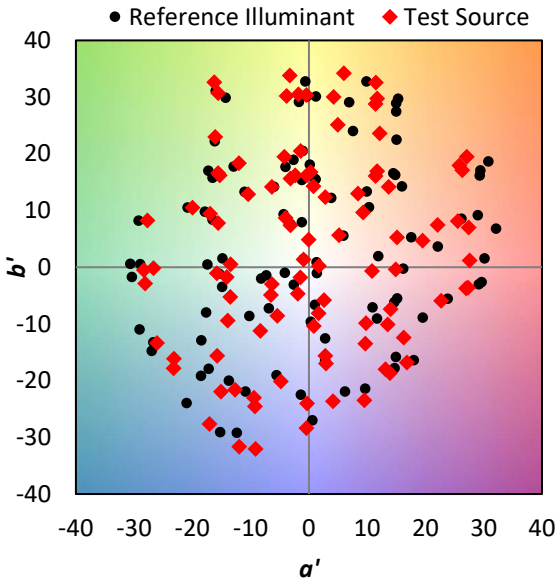
Summary

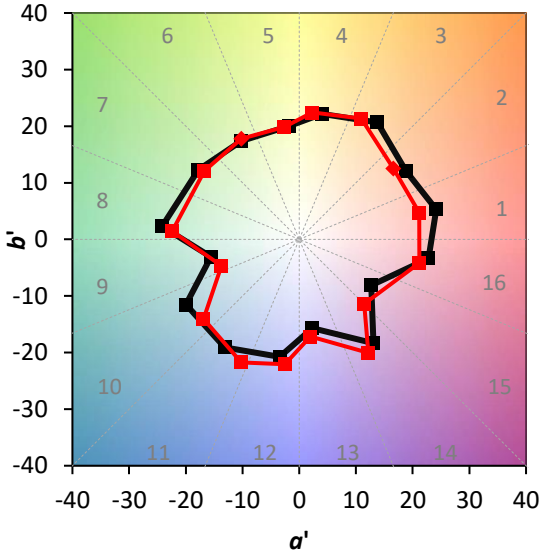
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R_g = 95.3
CIE R_a = 84.2
R_9 = 14.9

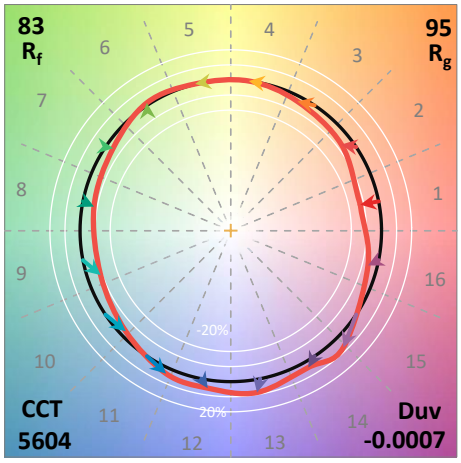
Spectral Power Distribution Comparison

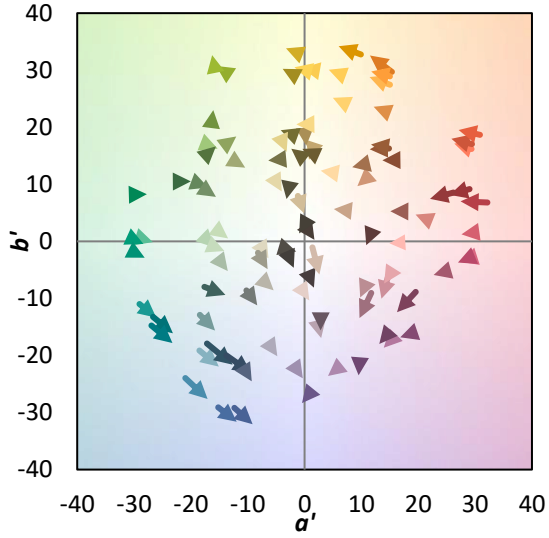


Color Vector Graphics







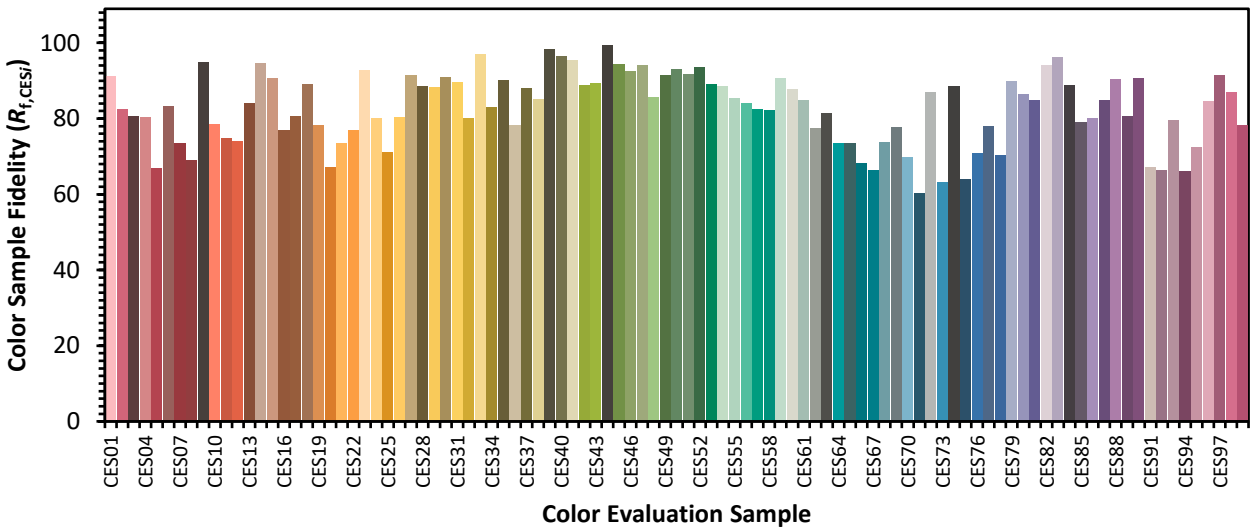


REPORT NUMBER: SP3-2602-684-5

TM-30-18

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

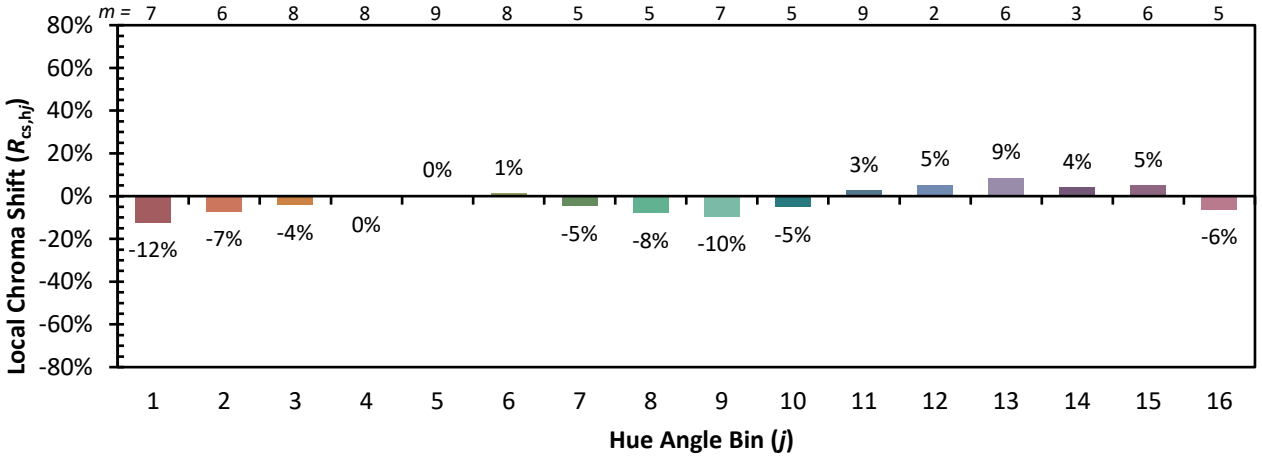
CES01 = 85	CES26 = 80	CES51 = 92	CES76 = 71
CES02 = 60	CES27 = 92	CES52 = 94	CES77 = 78
CES03 = 30	CES28 = 89	CES53 = 89	CES78 = 70
CES04 = 69	CES29 = 88	CES54 = 88	CES79 = 90
CES05 = 46	CES30 = 91	CES55 = 85	CES80 = 87
CES06 = 50	CES31 = 90	CES56 = 84	CES81 = 85
CES07 = 39	CES32 = 80	CES57 = 82	CES82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

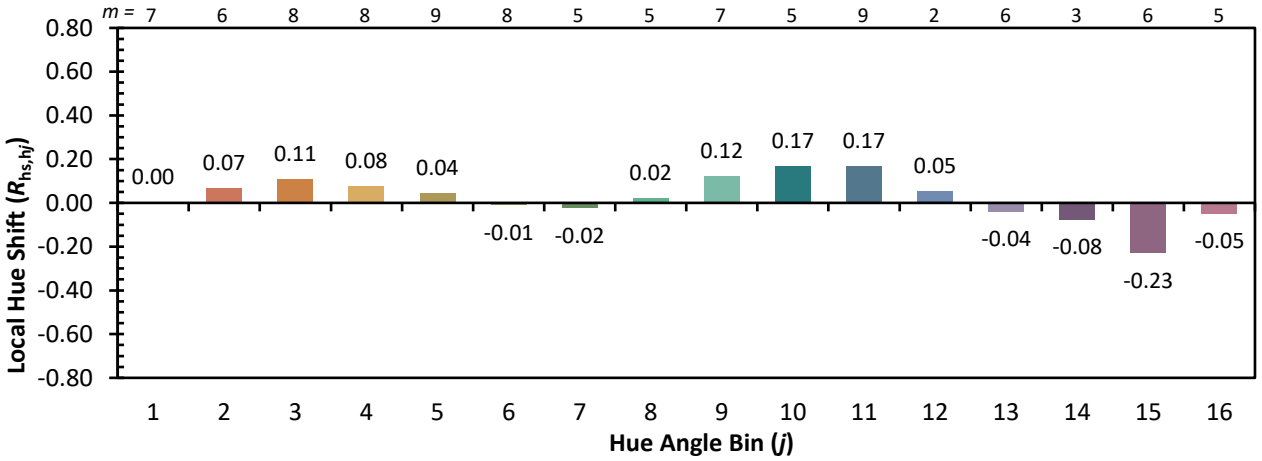


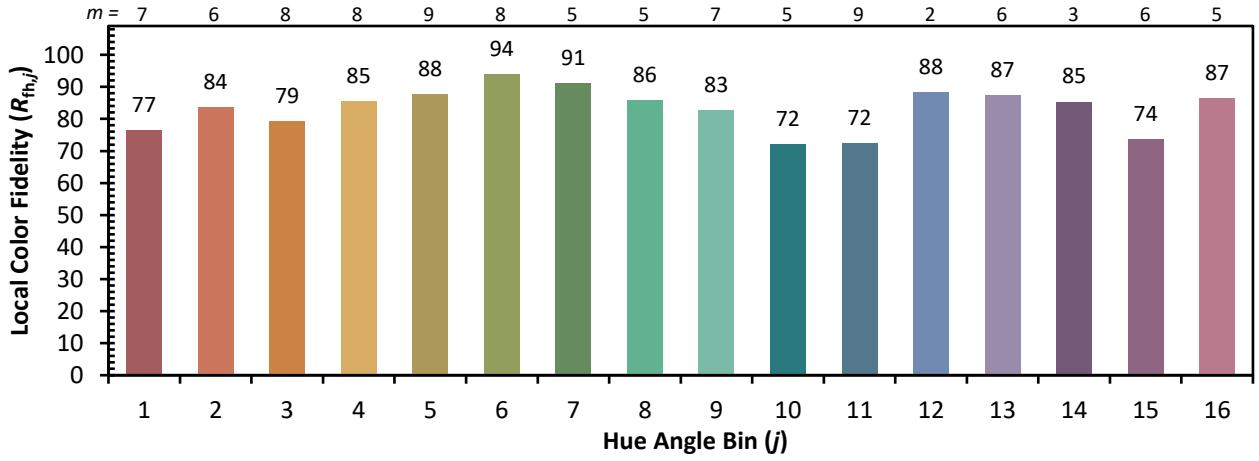
REPORT NUMBER: SP3-2602-684-5

TM-30-18

Color Rendition by Hue-Angle Bin



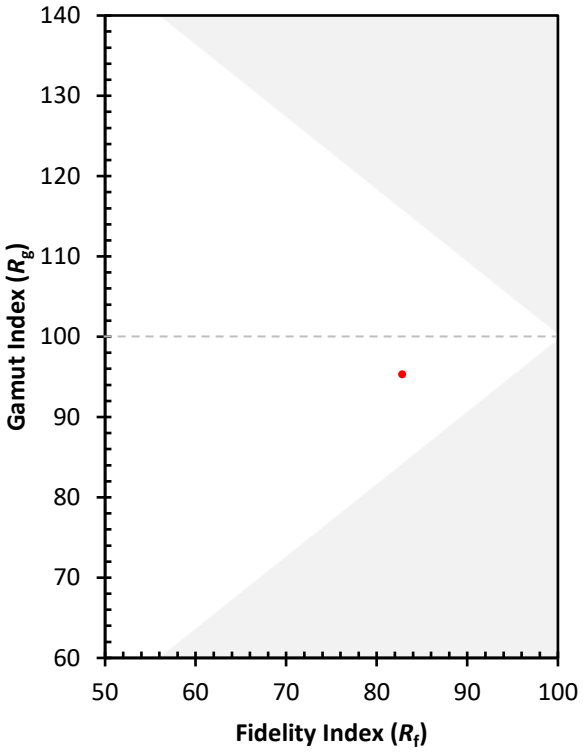


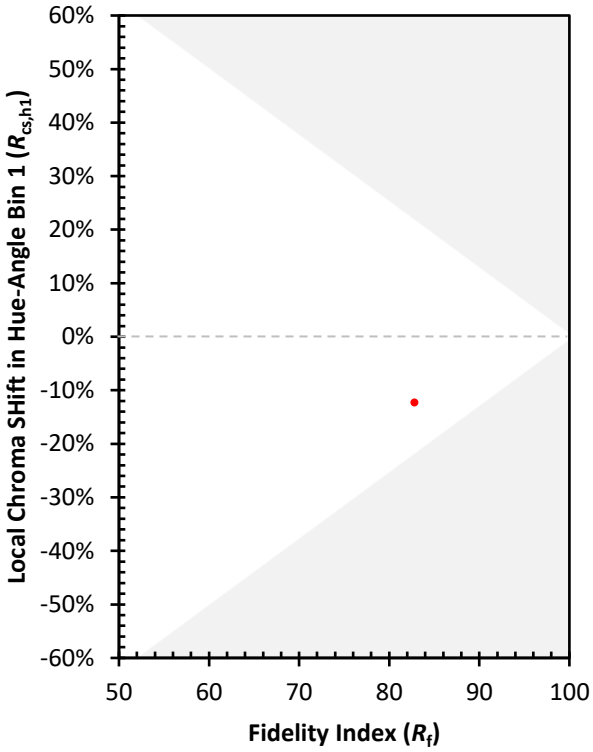


REPORT NUMBER: SP3-2602-684-5

TM-30-18

Measure Comparisons





(END OF REPORT)