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: P1594639

Luminaire Tested: FLXB-4860-M-HI-3500K

Issue Date: 10/2/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594639
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601781A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-4860-M-HI-3500K
Description:	4860 FlexBay Linear High bay at M beam, HI lumen, 3500K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	60908.0 lumens
Efficiency:	N/A
Efficacy:	167.2 lumens/watt
Spacing Criteria (0/90/45):	1.35 / 1.11 / 1.24
Luminous Opening:	Rectangular (W 1.04' x L: 2.12' x H: 0')
CIE Type:	Direct

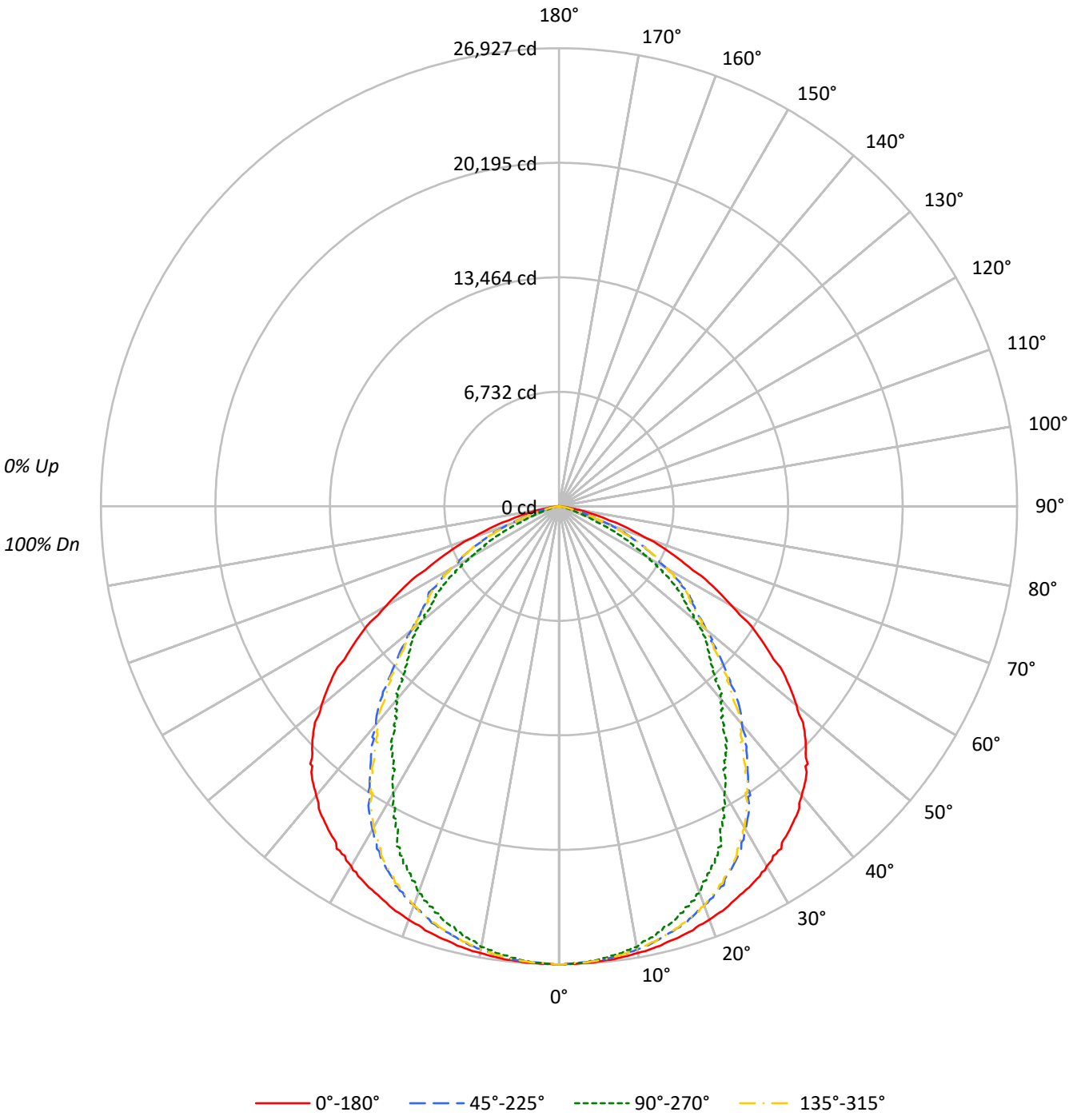
Input Watts (W):	364.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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	83	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	74	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	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	60	53	47	59	52	46	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°	130934	130934	130934	130934
5°	131092	130544	131092	130544
10°	131652	129894	131652	129894
15°	132572	127708	132572	127708
20°	133821	125212	133821	125212
25°	135256	118752	135256	118752
30°	137166	109355	137166	109355
35°	139202	100995	139202	100995
40°	140946	94778	140946	94778
45°	141040	85654	141040	85654
50°	137910	80942	137910	80942
55°	128806	71578	128806	71578
60°	114376	60031	114376	60031
65°	97019	41667	97019	41667
70°	76951	23976	76951	23976
75°	53988	10609	53988	10609
80°	29078	6729	29078	6729
85°	13909	4536	13909	4536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 141229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2546.9	4.2
10°-20°	7291.0	12.0
20°-30°	10880.7	17.9
30°-40°	12243.4	20.1
40°-50°	11412.4	18.7
50°-60°	9081.0	14.9
60°-70°	5506.2	9.0
70°-80°	1726.8	2.8
80°-90°	182.7	0.3
90°-100°	2.2	0.0
100°-110°	1.2	0.0
110°-120°	3.0	0.0
120°-130°	5.1	0.0
130°-140°	6.5	0.0
140°-150°	6.9	0.0
150°-160°	6.2	0.0
160°-170°	4.3	0.0
170°-180°	1.5	0.0
0°-30°	20718.6	34.0
0°-40°	32962.0	54.1
0°-60°	53455.3	87.8
0°-90°	60871.1	99.9
90°-120°	6.4	0.0
90°-150°	24.9	0.0
90°-180°	37.0	0.1
0°-180°	60908.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	26927	26927	26927	26927	26927	
5°	26857	26744	26857	26744	26857	2558
15°	26335	25368	26335	25368	26335	7445
25°	25209	22133	25209	22133	25209	11649
35°	23450	17014	23450	17014	23450	14684
45°	20510	12456	20510	12456	20510	15806
55°	15194	8443	15194	8443	15194	13590
65°	8432	3621	8432	3621	8432	8496
75°	2874	565	2874	565	2874	3219
85°	249	81	249	81	249	362
90°	12	19	12	19	12	13
95°	1	1	1	1	1	1
105°	2	1	2	1	2	2
115°	5	3	5	3	5	4
125°	8	4	8	4	8	7
135°	10	7	10	7	10	8
145°	12	10	12	10	12	8
155°	14	14	14	14	14	7
165°	15	16	15	16	15	4
175°	16	16	16	16	16	2
180°	17	17	17	17	17	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7
0.5°	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7	26926.7
1°	26908.9	26950.2	26873.1	26905.5	26860.0	26908.9	26908.9	26950.2	26873.1	26905.5	26860.0
1.5°	26900.0	26928.9	26884.1	26905.5	26887.6	26908.9	26900.0	26928.9	26884.1	26905.5	26887.6
2°	26917.9	26921.3	26860.7	26859.3	26850.4	26906.2	26917.9	26921.3	26860.7	26859.3	26850.4
2.5°	26902.7	26921.3	26791.1	26859.3	26850.4	26895.1	26902.7	26921.3	26791.1	26859.3	26850.4
3°	26877.9	26900.6	26796.7	26859.3	26850.4	26877.9	26877.9	26900.6	26796.7	26859.3	26850.4
3.5°	26884.8	26902.0	26796.7	26859.3	26850.4	26877.9	26884.8	26902.0	26796.7	26859.3	26850.4
4°	26885.5	26882.7	26782.9	26786.3	26792.5	26857.9	26885.5	26882.7	26782.9	26786.3	26792.5
4.5°	26882.0	26851.7	26754.7	26786.3	26780.8	26857.9	26882.0	26851.7	26754.7	26786.3	26780.8
5°	26856.6	26853.1	26748.5	26744.3	26754.0	26821.5	26856.6	26853.1	26748.5	26744.3	26754.0
5.5°	26838.0	26855.2	26716.1	26683.7	26704.4	26785.0	26838.0	26855.2	26716.1	26683.7	26704.4
6°	26826.3	26815.9	26716.1	26683.7	26705.1	26785.0	26826.3	26815.9	26716.1	26683.7	26705.1
6.5°	26833.8	26782.2	26638.3	26590.8	26665.8	26747.8	26833.8	26782.2	26638.3	26590.8	26665.8
7°	26820.8	26780.1	26588.0	26590.8	26620.4	26747.8	26820.8	26780.1	26588.0	26590.8	26620.4
7.5°	26791.1	26733.3	26568.0	26532.2	26573.6	26694.7	26791.1	26733.3	26568.0	26532.2	26573.6
8°	26756.0	26733.3	26512.3	26532.2	26573.6	26694.7	26756.0	26733.3	26512.3	26532.2	26573.6
8.5°	26747.1	26683.0	26486.8	26399.3	26467.5	26649.3	26747.1	26683.0	26486.8	26399.3	26467.5
9°	26725.0	26636.9	26402.1	26399.3	26433.1	26649.3	26725.0	26636.9	26402.1	26399.3	26433.1
9.5°	26684.4	26617.6	26402.1	26307.1	26391.8	26570.1	26684.4	26617.6	26402.1	26307.1	26391.8
10°	26663.1	26608.7	26295.3	26307.1	26311.9	26570.1	26663.1	26608.7	26295.3	26307.1	26311.9
10.5°	26641.0	26554.3	26295.3	26176.9	26280.2	26506.8	26641.0	26554.3	26295.3	26176.9	26280.2
11°	26632.8	26495.7	26190.0	26033.7	26223.0	26428.2	26632.8	26495.7	26190.0	26033.7	26223.0
11.5°	26599.7	26479.2	26190.0	26033.7	26152.8	26428.2	26599.7	26479.2	26190.0	26033.7	26152.8
12°	26559.8	26449.6	26065.4	25916.6	26044.0	26347.7	26559.8	26449.6	26065.4	25916.6	26044.0
12.5°	26518.5	26395.9	25983.4	25916.6	26044.0	26347.7	26518.5	26395.9	25983.4	25916.6	26044.0
13°	26508.8	26309.8	25936.6	25712.8	25893.9	26266.4	26508.8	26309.8	25936.6	25712.8	25893.9
13.5°	26443.4	26248.5	25845.0	25712.8	25893.9	26266.4	26443.4	26248.5	25845.0	25712.8	25893.9
14°	26389.7	26207.2	25780.3	25473.8	25768.6	26156.9	26389.7	26207.2	25780.3	25473.8	25768.6
14.5°	26364.9	26175.5	25628.8	25473.8	25663.9	26156.9	26364.9	26175.5	25628.8	25473.8	25663.9
15°	26334.6	26109.4	25628.8	25368.5	25602.6	26048.8	26334.6	26109.4	25628.8	25368.5	25602.6
15.5°	26306.4	26038.5	25474.5	25294.8	25532.4	25982.0	26306.4	26038.5	25474.5	25294.8	25532.4
16°	26256.1	26003.4	25474.5	25166.7	25433.9	25936.6	26256.1	26003.4	25474.5	25166.7	25433.9
16.5°	26207.9	25964.8	25302.4	24964.3	25329.9	25814.7	26207.9	25964.8	25302.4	24964.3	25329.9
17°	26159.0	25889.1	25302.4	24964.3	25263.8	25814.7	26159.0	25889.1	25302.4	24964.3	25263.8
17.5°	26140.4	25767.9	25108.9	24710.2	25053.1	25696.9	26140.4	25767.9	25108.9	24710.2	25053.1
18°	26041.9	25767.9	24991.8	24710.2	25053.1	25696.9	26041.9	25767.9	24991.8	24710.2	25053.1
18.5°	25979.3	25632.9	24900.9	24493.3	24861.0	25555.1	25979.3	25632.9	24900.9	24493.3	24861.0
19°	25947.6	25576.4	24682.6	24493.3	24861.0	25555.1	25947.6	25576.4	24682.6	24493.3	24861.0
19.5°	25907.0	25498.6	24682.6	24197.1	24625.5	25422.2	25907.0	25498.6	24682.6	24197.1	24625.5
20°	25860.8	25405.7	24463.6	24197.1	24527.0	25422.2	25860.8	25405.7	24463.6	24197.1	24527.0
20.5°	25793.4	25347.8	24463.6	23929.3	24403.0	25254.9	25793.4	25347.8	24463.6	23929.3	24403.0
21°	25738.3	25292.7	24230.2	23624.2	24252.9	25094.4	25738.3	25292.7	24230.2	23624.2	24252.9
21.5°	25684.5	25197.0	24230.2	23624.2	24145.5	25094.4	25684.5	25197.0	24230.2	23624.2	24145.5
22°	25648.7	25102.0	23871.4	23281.3	23849.4	24926.4	25648.7	25102.0	23871.4	23281.3	23849.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	25592.3	25037.3	23871.4	23281.3	23849.4	24926.4	25592.3	25037.3	23871.4	23281.3	23849.4
23°	25522.7	24857.5	23745.4	22954.2	23580.2	24731.5	25522.7	24857.5	23745.4	22954.2	23580.2
23.5°	25409.1	24857.5	23745.4	22954.2	23580.2	24731.5	25409.1	24857.5	23745.4	22954.2	23580.2
24°	25355.4	24677.8	23272.3	22537.6	23236.5	24542.8	25355.4	24677.8	23272.3	22537.6	23236.5
24.5°	25290.7	24562.1	23126.4	22537.6	23080.9	24542.8	25290.7	24562.1	23126.4	22537.6	23080.9
25°	25209.4	24473.3	22940.4	22133.4	22912.9	24319.0	25209.4	24473.3	22940.4	22133.4	22912.9
25.5°	25148.8	24388.6	22782.0	22133.4	22711.8	24319.0	25148.8	24388.6	22782.0	22133.4	22711.8
26°	25084.8	24267.4	22576.2	21678.2	22534.8	24104.9	25084.8	24267.4	22576.2	21678.2	22534.8
26.5°	25031.7	24139.3	22409.5	21207.2	22353.0	24004.3	25031.7	24139.3	22409.5	21207.2	22353.0
27°	24958.1	24048.4	22203.6	21207.2	22147.1	23870.1	24958.1	24048.4	22203.6	21207.2	22147.1
27.5°	24876.8	23941.0	21795.3	20725.2	21750.5	23622.2	24876.8	23941.0	21795.3	20725.2	21750.5
28°	24792.8	23811.5	21795.3	20725.2	21750.5	23622.2	24792.8	23811.5	21795.3	20725.2	21750.5
28.5°	24743.2	23569.1	21363.5	20183.2	21278.1	23361.9	24743.2	23569.1	21363.5	20183.2	21278.1
29°	24591.0	23424.5	21363.5	20183.2	21278.1	23361.9	24591.0	23424.5	21363.5	20183.2	21278.1
29.5°	24591.0	23299.2	20895.9	19706.7	20827.1	23060.9	24591.0	23299.2	20895.9	19706.7	20827.1
30°	24429.2	23171.8	20665.3	19476.0	20577.1	23060.9	24429.2	23171.8	20665.3	19476.0	20577.1
30.5°	24352.1	23023.7	20394.6	19239.8	20299.6	22762.1	24352.1	23023.7	20394.6	19239.8	20299.6
31°	24281.8	22849.5	20137.1	19017.4	20063.4	22566.5	24281.8	22849.5	20137.1	19017.4	20063.4
31.5°	24093.9	22720.1	19857.5	18735.1	19741.1	22428.1	24093.9	22720.1	19857.5	18735.1	19741.1
32°	24093.9	22568.6	19581.4	18226.9	19462.2	22081.0	24093.9	22568.6	19581.4	18226.9	19462.2
32.5°	24000.2	22400.6	19278.4	18226.9	19146.9	22081.0	24000.2	22400.6	19278.4	18226.9	19146.9
33°	24000.2	22065.9	18682.7	17820.6	18511.3	21687.8	24000.2	22065.9	18682.7	17820.6	18511.3
33.5°	23737.2	22065.9	18682.7	17820.6	18511.3	21687.8	23737.2	22065.9	18682.7	17820.6	18511.3
34°	23624.9	21693.3	18083.0	17481.1	17929.4	21264.3	23624.9	21693.3	18083.0	17481.1	17929.4
34.5°	23546.4	21504.7	17764.1	17481.1	17929.4	21264.3	23546.4	21504.7	17764.1	17481.1	17929.4
35°	23450.0	21299.5	17461.1	17013.5	17329.6	20821.6	23450.0	21299.5	17461.1	17013.5	17329.6
35.5°	23352.2	21043.3	17147.8	17013.5	17067.3	20821.6	23352.2	21043.3	17147.8	17013.5	17067.3
36°	23231.0	20859.4	16853.1	16563.9	16754.6	20308.6	23231.0	20859.4	16853.1	16563.9	16754.6
36.5°	23125.0	20615.7	16549.4	16139.7	16504.7	19770.7	23125.0	20615.7	16549.4	16139.7	16504.7
37°	23014.1	20389.1	16335.9	16139.7	16267.8	19770.7	23014.1	20389.1	16335.9	16139.7	16267.8
37.5°	22925.3	20091.0	16091.5	15650.8	15864.2	19166.8	22925.3	20091.0	16091.5	15650.8	15864.2
38°	22805.5	19874.0	15942.8	15650.8	15864.2	19166.8	22805.5	19874.0	15942.8	15650.8	15864.2
38.5°	22682.2	19305.9	15604.0	15297.5	15692.8	18544.3	22682.2	19305.9	15604.0	15297.5	15692.8
39°	22450.8	19305.9	15604.0	15297.5	15526.1	18544.3	22450.8	19305.9	15604.0	15297.5	15526.1
39.5°	22323.4	18688.2	15270.0	14931.2	15349.9	17902.5	22323.4	18688.2	15270.0	14931.2	15349.9
40°	22204.3	18312.3	15130.2	14931.2	15298.2	17902.5	22204.3	18312.3	15130.2	14931.2	15298.2
40.5°	22048.7	18025.1	15091.6	14582.1	15178.4	17231.8	22048.7	18025.1	15091.6	14582.1	15178.4
41°	21930.2	17665.7	15004.2	14582.1	14984.9	17231.8	21930.2	17665.7	15004.2	14582.1	14984.9
41.5°	21784.3	17327.6	14873.3	14182.7	14881.6	16565.3	21784.3	17327.6	14873.3	14182.7	14881.6
42°	21666.5	16922.6	14776.9	13721.3	14703.3	15924.9	21666.5	16922.6	14776.9	13721.3	14703.3
42.5°	21504.0	16577.0	14589.6	13721.3	14528.3	15924.9	21504.0	16577.0	14589.6	13721.3	14528.3
43°	21353.2	16207.9	14227.4	13258.5	14160.6	15294.8	21353.2	16207.9	14227.4	13258.5	14160.6
43.5°	21050.2	15836.7	14227.4	13258.5	14160.6	15294.8	21050.2	15836.7	14227.4	13258.5	14160.6
44°	21050.2	15165.3	13841.1	12784.8	13721.3	14692.9	21050.2	15165.3	13841.1	12784.8	13721.3
44.5°	20712.1	14849.2	13841.1	12784.8	13721.3	14692.9	20712.1	14849.2	13841.1	12784.8	13721.3

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	20509.6	14521.5	13423.8	12455.6	13244.8	14101.4	20509.6	14521.5	13423.8	12455.6	13244.8
45.5°	20356.8	14240.5	13197.3	12455.6	13030.6	14101.4	20356.8	14240.5	13197.3	12455.6	13030.6
46°	20157.7	13898.9	12979.0	12163.6	12811.6	13546.4	20157.7	13898.9	12979.0	12163.6	12811.6
46.5°	19992.5	13630.4	12751.7	11970.8	12611.9	13335.0	19992.5	13630.4	12751.7	11970.8	12611.9
47°	19766.6	13291.6	12535.5	11928.8	12395.0	12992.0	19766.6	13291.6	12535.5	11928.8	12395.0
47.5°	19573.8	13044.4	12317.9	11661.0	12177.4	12465.9	19573.8	13044.4	12317.9	11661.0	12177.4
48°	19339.0	12701.5	12089.3	11661.0	11981.2	12465.9	19339.0	12701.5	12089.3	11661.0	11981.2
48.5°	19162.7	12189.8	11667.8	11204.4	11571.4	11999.8	19162.7	12189.8	11667.8	11204.4	11571.4
49°	18703.4	12189.8	11667.8	11204.4	11571.4	11999.8	18703.4	12189.8	11667.8	11204.4	11571.4
49.5°	18439.0	11736.7	11477.1	10699.7	11170.7	11585.9	18439.0	11736.7	11477.1	10699.7	11170.7
50°	18230.3	11557.0	11075.6	10699.7	11170.7	11585.9	18230.3	11557.0	11075.6	10699.7	11170.7
50.5°	17965.9	11318.7	10851.2	10208.0	10457.3	11200.3	17965.9	11318.7	10851.2	10208.0	10457.3
51°	17730.4	11131.4	10641.1	10208.0	10457.3	11200.3	17730.4	11131.4	10641.1	10208.0	10457.3
51.5°	17442.5	10923.5	10398.7	9783.1	10210.7	10807.1	17442.5	10923.5	10398.7	9783.1	10210.7
52°	17196.7	10557.1	10149.5	9467.0	10210.7	10441.4	17196.7	10557.1	10149.5	9467.0	10210.7
52.5°	16908.9	10557.1	9907.8	9467.0	10001.4	10441.4	16908.9	10557.1	9907.8	9467.0	10001.4
53°	16664.4	10382.2	9677.8	9189.5	9352.0	10114.3	16664.4	10382.2	9677.8	9189.5	9352.0
53.5°	16364.2	10382.2	9459.5	9189.5	9352.0	10114.3	16364.2	10382.2	9459.5	9189.5	9352.0
54°	16081.9	10217.6	9074.5	8903.8	9129.6	9849.9	16081.9	10217.6	9074.5	8903.8	9129.6
54.5°	15500.7	10217.6	9074.5	8903.8	9129.6	9849.9	15500.7	10217.6	9074.5	8903.8	9129.6
55°	15193.5	10053.7	8842.5	8443.1	8985.7	9611.0	15193.5	10053.7	8842.5	8443.1	8985.7
55.5°	14898.1	9896.7	8726.8	8443.1	8907.2	9611.0	14898.1	9896.7	8726.8	8443.1	8907.2
56°	14577.2	9896.7	8639.3	8054.7	8783.9	9305.2	14577.2	9896.7	8639.3	8054.7	8783.9
56.5°	14277.0	9789.3	8552.6	7826.1	8607.7	9149.6	14277.0	9789.3	8552.6	7826.1	8607.7
57°	13963.7	8872.8	8325.3	7650.5	8412.8	8982.3	13963.7	8872.8	8325.3	7650.5	8412.8
57.5°	13666.2	8766.7	8235.8	7204.3	8267.5	8654.5	13666.2	8766.7	8235.8	7204.3	8267.5
58°	13346.0	8592.5	8091.2	7204.3	7959.0	8654.5	13346.0	8592.5	8091.2	7204.3	7959.0
58.5°	13024.4	8455.5	7589.2	6707.8	7406.0	8403.8	13024.4	8455.5	7589.2	6707.8	7406.0
59°	12399.2	8274.4	7589.2	6707.8	7406.0	8403.8	12399.2	8274.4	7589.2	6707.8	7406.0
59.5°	12087.9	7961.0	7024.5	6172.7	6761.5	8104.3	12087.9	7961.0	7024.5	6172.7	6761.5
60°	11760.8	7815.8	7024.5	6172.7	6761.5	8104.3	11760.8	7815.8	7024.5	6172.7	6761.5
60.5°	11447.5	7642.9	6485.4	5683.1	6302.2	7765.5	11447.5	7642.9	6485.4	5683.1	6302.2
61°	11133.5	7303.4	6207.8	5683.1	6152.1	7765.5	11133.5	7303.4	6207.8	5683.1	6152.1
61.5°	10836.7	7303.4	6087.3	5290.6	6152.1	7498.3	10836.7	7303.4	6087.3	5290.6	6152.1
62°	10518.6	7162.3	5829.8	4942.2	5926.2	7224.2	10518.6	7162.3	5829.8	4942.2	5926.2
62.5°	10222.5	7162.3	5630.8	4942.2	5926.2	7224.2	10222.5	7162.3	5630.8	4942.2	5926.2
63°	9899.5	6830.3	5445.5	4575.1	5257.6	6862.7	9899.5	6830.3	5445.5	4575.1	5257.6
63.5°	9611.6	6830.3	5076.4	4575.1	5055.8	6862.7	9611.6	6830.3	5076.4	4575.1	5055.8
64°	9309.4	6532.2	4827.9	4137.9	4890.5	6516.3	9309.4	6532.2	4827.9	4137.9	4890.5
64.5°	8714.4	6402.0	4827.9	4137.9	4697.7	6516.3	8714.4	6402.0	4827.9	4137.9	4697.7
65°	8432.1	6209.9	4345.1	3621.4	4489.1	6152.8	8432.1	6209.9	4345.1	3621.4	4489.1
65.5°	8139.4	5902.1	4148.9	3621.4	4279.0	6152.8	8139.4	5902.1	4148.9	3621.4	4279.0
66°	7869.5	5902.1	3956.8	3111.2	4013.2	5809.1	7869.5	5902.1	3956.8	3111.2	4013.2
66.5°	7578.2	5517.2	3763.3	3111.2	3540.8	5809.1	7578.2	5517.2	3763.3	3111.2	3540.8
67°	7307.6	5517.2	3525.0	2691.8	3540.8	5440.0	7307.6	5517.2	3525.0	2691.8	3540.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	7019.0	5174.9	3314.3	2349.5	3093.9	5024.8	7019.0	5174.9	3314.3	2349.5	3093.9
68°	6758.7	5174.9	3110.5	2349.5	3093.9	5024.8	6758.7	5174.9	3110.5	2349.5	3093.9
68.5°	6479.2	4826.5	2861.2	2016.3	2701.4	4555.9	6479.2	4826.5	2861.2	2016.3	2701.4
69°	6223.7	4660.5	2689.7	2016.3	2454.2	4555.9	6223.7	4660.5	2689.7	2016.3	2454.2
69.5°	5936.5	4464.3	2312.4	1686.4	2253.8	4133.1	5936.5	4464.3	2312.4	1686.4	2253.8
70°	5412.5	4281.1	2312.4	1686.4	2032.8	4133.1	5412.5	4281.1	2312.4	1686.4	2032.8
70.5°	5171.5	4061.4	1965.3	1402.7	1840.7	3783.2	5171.5	4061.4	1965.3	1402.7	1840.7
71°	4900.2	3634.5	1735.3	1402.7	1485.3	3783.2	4900.2	3634.5	1735.3	1402.7	1485.3
71.5°	4667.4	3634.5	1639.6	1185.1	1485.3	3416.2	4667.4	3634.5	1639.6	1185.1	1485.3
72°	4410.6	3217.9	1419.9	1052.9	1197.5	3057.4	4410.6	3217.9	1419.9	1052.9	1197.5
72.5°	4192.3	3217.9	1340.0	1018.5	1197.5	3057.4	4192.3	3217.9	1340.0	1018.5	1197.5
73°	3943.0	2821.9	1161.7	872.5	1026.0	2913.5	3943.0	2821.9	1161.7	872.5	1026.0
73.5°	3730.2	2821.9	1090.1	872.5	948.2	2564.4	3730.2	2821.9	1090.1	872.5	948.2
74°	3483.7	2436.3	891.1	719.6	870.4	2426.0	3483.7	2436.3	891.1	719.6	870.4
74.5°	3058.1	2213.9	891.1	719.6	785.0	2191.2	3058.1	2213.9	891.1	719.6	785.0
75°	2873.6	2054.8	765.7	564.7	705.1	2047.9	2873.6	2054.8	765.7	564.7	705.1
75.5°	2650.5	1729.1	765.7	564.7	653.5	1819.3	2650.5	1729.1	765.7	564.7	653.5
76°	2477.6	1729.1	650.1	441.4	596.3	1703.6	2477.6	1729.1	650.1	441.4	596.3
76.5°	2266.2	1439.9	564.0	441.4	474.5	1499.1	2266.2	1439.9	564.0	441.4	474.5
77°	2112.0	1439.9	517.1	381.5	474.5	1423.4	2112.0	1439.9	517.1	381.5	474.5
77.5°	1914.3	1162.4	460.7	346.4	436.6	1192.7	1914.3	1162.4	460.7	346.4	436.6
78°	1774.6	1023.3	418.7	346.4	385.6	1039.1	1774.6	1023.3	418.7	346.4	385.6
78.5°	1587.9	891.8	378.7	288.5	385.6	1002.6	1587.9	891.8	378.7	288.5	385.6
79°	1468.8	891.8	359.5	288.5	335.4	851.1	1468.8	891.8	359.5	288.5	335.4
79.5°	1296.0	663.1	311.9	240.3	288.5	825.0	1296.0	663.1	311.9	240.3	288.5
80°	1038.4	553.0	311.9	240.3	217.6	681.7	1038.4	553.0	311.9	240.3	217.6
80.5°	956.5	488.9	246.5	193.5	196.9	516.5	956.5	488.9	246.5	193.5	196.9
81°	816.0	365.7	196.3	193.5	188.7	516.5	816.0	365.7	196.3	193.5	188.7
81.5°	751.3	365.7	184.5	161.8	181.1	496.5	751.3	365.7	184.5	161.8	181.1
82°	625.9	285.8	160.4	161.8	150.8	380.8	625.9	285.8	160.4	161.8	150.8
82.5°	575.0	285.8	152.2	141.2	150.8	362.9	575.0	285.8	152.2	141.2	150.8
83°	469.6	221.0	141.9	115.0	121.2	269.2	469.6	221.0	141.9	115.0	121.2
83.5°	432.4	221.0	129.5	115.0	121.2	213.5	432.4	221.0	129.5	115.0	121.2
84°	346.4	166.6	115.0	94.3	104.0	201.8	346.4	166.6	115.0	94.3	104.0
84.5°	319.5	139.1	99.2	94.3	94.3	163.9	319.5	139.1	99.2	94.3	94.3
85°	249.3	121.2	77.8	81.3	84.0	153.6	249.3	121.2	77.8	81.3	84.0
85.5°	175.6	101.9	77.8	81.3	68.2	126.7	175.6	101.9	77.8	81.3	68.2
86°	161.1	85.4	64.7	67.5	49.6	123.3	161.1	85.4	64.7	67.5	49.6
86.5°	120.5	55.8	55.8	67.5	32.4	95.7	120.5	55.8	55.8	67.5	32.4
87°	102.6	55.8	49.6	50.3	32.4	90.9	102.6	55.8	49.6	50.3	32.4
87.5°	73.7	29.6	33.7	32.4	28.2	68.9	73.7	29.6	33.7	32.4	28.2
88°	62.0	29.6	29.6	30.3	28.2	50.3	62.0	29.6	29.6	30.3	28.2
88.5°	41.3	15.1	15.8	20.0	17.9	50.3	41.3	15.1	15.8	20.0	17.9
89°	41.3	15.1	11.0	20.0	11.0	36.5	41.3	15.1	11.0	20.0	11.0
89.5°	26.2	6.2	11.0	18.6	4.8	36.5	26.2	6.2	11.0	18.6	4.8

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TEST NUMBER: P1594639
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	12.4	1.4	11.0	18.6	2.1	21.3	12.4	1.4	11.0	18.6	2.1
90.5°	12.4	1.4	11.0	13.8	0.7	21.3	12.4	1.4	11.0	13.8	0.7
91°	2.8	1.4	11.0	13.8	0.7	10.3	2.8	1.4	11.0	13.8	0.7
91.5°	2.8	1.4	3.4	6.9	0.7	10.3	2.8	1.4	3.4	6.9	0.7
92°	0.7	0.7	0.7	6.9	0.7	6.9	0.7	0.7	0.7	6.9	0.7
92.5°	0.7	0.7	0.7	2.1	0.7	6.9	0.7	0.7	0.7	2.1	0.7
93°	0.7	0.7	0.7	1.4	0.7	1.4	0.7	0.7	0.7	1.4	0.7
93.5°	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	1.4	0.7
94°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
94.5°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
95°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
95.5°	0.7	0.7	0.7	1.4	0.0	0.7	0.7	0.7	0.7	1.4	0.0
96°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
96.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
97°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
97.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
98°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
98.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
99°	0.7	0.7	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.0
99.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
100°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
100.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
101°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
101.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
102°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
102.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
103°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
103.5°	1.4	0.7	0.7	0.0	0.0	0.7	1.4	0.7	0.7	0.0	0.0
104°	1.4	0.7	0.7	0.7	0.0	0.7	1.4	0.7	0.7	0.7	0.0
104.5°	1.4	0.7	0.7	0.7	0.7	0.7	1.4	0.7	0.7	0.7	0.7
105°	2.1	1.4	1.4	0.7	0.7	0.7	2.1	1.4	1.4	0.7	0.7
105.5°	2.1	2.1	1.4	0.7	0.7	0.7	2.1	2.1	1.4	0.7	0.7
106°	2.1	2.1	0.7	0.7	0.7	1.4	2.1	2.1	0.7	0.7	0.7
106.5°	2.1	2.1	0.7	0.7	0.7	1.4	2.1	2.1	0.7	0.7	0.7
107°	2.1	2.1	1.4	0.7	0.7	1.4	2.1	2.1	1.4	0.7	0.7
107.5°	2.1	2.1	1.4	0.7	1.4	1.4	2.1	2.1	1.4	0.7	1.4
108°	2.8	2.1	1.4	0.7	1.4	1.4	2.8	2.1	1.4	0.7	1.4
108.5°	2.8	2.1	1.4	1.4	1.4	2.1	2.8	2.1	1.4	1.4	1.4
109°	2.8	2.1	1.4	1.4	1.4	2.1	2.8	2.1	1.4	1.4	1.4
109.5°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
110°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
110.5°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
111°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
111.5°	3.4	2.1	1.4	1.4	1.4	2.1	3.4	2.1	1.4	1.4	1.4
112°	3.4	2.8	1.4	1.4	1.4	2.1	3.4	2.8	1.4	1.4	1.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	3.4	2.8	2.1	1.4	1.4	2.8	3.4	2.8	2.1	1.4	1.4
113°	3.4	3.4	2.1	1.4	1.4	2.8	3.4	3.4	2.1	1.4	1.4
113.5°	3.4	3.4	2.1	1.4	1.4	2.8	3.4	3.4	2.1	1.4	1.4
114°	4.1	3.4	2.1	2.8	2.1	2.8	4.1	3.4	2.1	2.8	2.1
114.5°	4.1	3.4	2.8	2.8	2.1	2.8	4.1	3.4	2.8	2.8	2.1
115°	4.8	3.4	2.8	2.8	2.1	2.8	4.8	3.4	2.8	2.8	2.1
115.5°	4.8	3.4	2.8	2.8	2.8	2.8	4.8	3.4	2.8	2.8	2.8
116°	4.8	3.4	2.8	2.8	2.8	3.4	4.8	3.4	2.8	2.8	2.8
116.5°	4.8	4.1	2.8	2.8	2.8	3.4	4.8	4.1	2.8	2.8	2.8
117°	4.8	4.1	3.4	2.8	2.8	4.1	4.8	4.1	3.4	2.8	2.8
117.5°	4.8	4.1	3.4	2.8	2.8	4.1	4.8	4.1	3.4	2.8	2.8
118°	5.5	4.1	3.4	2.8	2.8	4.1	5.5	4.1	3.4	2.8	2.8
118.5°	5.5	4.8	3.4	2.8	2.8	4.1	5.5	4.8	3.4	2.8	2.8
119°	5.5	4.8	3.4	2.8	2.8	4.1	5.5	4.8	3.4	2.8	2.8
119.5°	6.2	4.8	3.4	2.8	3.4	4.1	6.2	4.8	3.4	2.8	3.4
120°	6.2	4.8	3.4	4.1	3.4	4.1	6.2	4.8	3.4	4.1	3.4
120.5°	6.2	4.8	3.4	4.1	3.4	4.1	6.2	4.8	3.4	4.1	3.4
121°	6.2	4.8	4.1	4.1	3.4	4.1	6.2	4.8	4.1	4.1	3.4
121.5°	6.9	4.8	4.1	4.1	3.4	4.8	6.9	4.8	4.1	4.1	3.4
122°	6.9	6.2	4.1	4.1	4.1	4.8	6.9	6.2	4.1	4.1	4.1
122.5°	6.2	6.2	4.8	4.1	4.1	5.5	6.2	6.2	4.8	4.1	4.1
123°	6.2	6.2	4.8	4.1	4.1	5.5	6.2	6.2	4.8	4.1	4.1
123.5°	6.9	6.2	4.8	4.1	4.1	5.5	6.9	6.2	4.8	4.1	4.1
124°	6.9	6.2	4.8	4.1	4.8	5.5	6.9	6.2	4.8	4.1	4.8
124.5°	6.9	6.2	4.8	4.1	4.8	5.5	6.9	6.2	4.8	4.1	4.8
125°	7.6	6.2	4.8	4.1	4.8	5.5	7.6	6.2	4.8	4.1	4.8
125.5°	7.6	6.2	4.8	4.8	4.8	5.5	7.6	6.2	4.8	4.8	4.8
126°	7.6	6.9	5.5	4.8	4.8	6.9	7.6	6.9	5.5	4.8	4.8
126.5°	7.6	6.9	5.5	5.5	4.8	6.9	7.6	6.9	5.5	5.5	4.8
127°	7.6	6.9	6.2	5.5	4.8	6.9	7.6	6.9	6.2	5.5	4.8
127.5°	7.6	7.6	6.2	5.5	5.5	6.9	7.6	7.6	6.2	5.5	5.5
128°	8.3	7.6	6.2	5.5	5.5	6.9	8.3	7.6	6.2	5.5	5.5
128.5°	8.3	7.6	6.2	5.5	6.2	6.9	8.3	7.6	6.2	5.5	6.2
129°	8.3	7.6	6.2	5.5	6.2	6.9	8.3	7.6	6.2	5.5	6.2
129.5°	9.0	7.6	6.2	5.5	6.2	7.6	9.0	7.6	6.2	5.5	6.2
130°	9.0	7.6	6.2	5.5	6.2	7.6	9.0	7.6	6.2	5.5	6.2
130.5°	9.0	8.3	6.2	5.5	6.2	7.6	9.0	8.3	6.2	5.5	6.2
131°	9.0	8.3	6.2	6.9	6.2	7.6	9.0	8.3	6.2	6.9	6.2
131.5°	9.0	8.3	6.2	6.9	6.2	8.3	9.0	8.3	6.2	6.9	6.2
132°	9.0	9.0	6.9	6.9	6.9	8.3	9.0	9.0	6.9	6.9	6.9
132.5°	9.6	9.0	7.6	6.9	7.6	8.3	9.6	9.0	7.6	6.9	7.6
133°	9.6	9.0	7.6	6.9	6.9	8.3	9.6	9.0	7.6	6.9	6.9
133.5°	9.6	9.0	7.6	6.9	6.9	8.3	9.6	9.0	7.6	6.9	6.9
134°	9.6	9.0	7.6	6.9	7.6	8.3	9.6	9.0	7.6	6.9	7.6
134.5°	9.6	9.0	7.6	6.9	7.6	8.3	9.6	9.0	7.6	6.9	7.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	9.6	9.0	7.6	6.9	7.6	9.0	9.6	9.0	7.6	6.9	7.6
135.5°	10.3	9.0	7.6	7.6	7.6	9.0	10.3	9.0	7.6	7.6	7.6
136°	10.3	9.0	7.6	8.3	7.6	9.0	10.3	9.0	7.6	8.3	7.6
136.5°	10.3	9.0	9.0	8.3	7.6	9.0	10.3	9.0	9.0	8.3	7.6
137°	10.3	9.6	9.0	8.3	7.6	9.6	10.3	9.6	9.0	8.3	7.6
137.5°	10.3	10.3	8.3	8.3	7.6	9.6	10.3	10.3	8.3	8.3	7.6
138°	10.3	10.3	9.0	8.3	8.3	9.6	10.3	10.3	9.0	8.3	8.3
138.5°	10.3	10.3	9.0	8.3	9.0	9.6	10.3	10.3	9.0	8.3	9.0
139°	11.0	10.3	9.0	8.3	9.0	9.6	11.0	10.3	9.0	8.3	9.0
139.5°	11.0	10.3	9.0	8.3	9.0	10.3	11.0	10.3	9.0	8.3	9.0
140°	11.0	10.3	9.0	8.3	9.0	10.3	11.0	10.3	9.0	8.3	9.0
140.5°	11.0	11.0	9.0	9.0	9.0	10.3	11.0	11.0	9.0	9.0	9.0
141°	11.0	11.0	9.0	9.6	9.0	10.3	11.0	11.0	9.0	9.6	9.0
141.5°	11.7	11.0	9.6	9.6	9.0	10.3	11.7	11.0	9.6	9.6	9.0
142°	11.7	11.0	10.3	9.6	9.0	10.3	11.7	11.0	10.3	9.6	9.0
142.5°	11.7	11.0	10.3	9.6	9.6	11.0	11.7	11.0	10.3	9.6	9.6
143°	11.7	11.7	10.3	9.6	10.3	11.0	11.7	11.7	10.3	9.6	10.3
143.5°	11.7	11.7	10.3	9.6	10.3	11.0	11.7	11.7	10.3	9.6	10.3
144°	11.7	11.7	10.3	9.6	10.3	11.0	11.7	11.7	10.3	9.6	10.3
144.5°	12.4	11.7	10.3	9.6	10.3	11.0	12.4	11.7	10.3	9.6	10.3
145°	12.4	12.4	10.3	10.3	10.3	11.7	12.4	12.4	10.3	10.3	10.3
145.5°	12.4	12.4	10.3	11.0	10.3	11.7	12.4	12.4	10.3	11.0	10.3
146°	13.1	12.4	11.0	11.0	10.3	11.7	13.1	12.4	11.0	11.0	10.3
146.5°	12.4	12.4	11.0	11.0	10.3	11.7	12.4	12.4	11.0	11.0	10.3
147°	12.4	12.4	11.0	11.0	11.0	11.7	12.4	12.4	11.0	11.0	11.0
147.5°	13.1	12.4	11.7	11.0	11.0	11.7	13.1	12.4	11.7	11.0	11.0
148°	13.1	12.4	11.7	11.0	11.0	11.7	13.1	12.4	11.7	11.0	11.0
148.5°	13.1	12.4	11.7	11.0	11.0	11.7	13.1	12.4	11.7	11.0	11.0
149°	13.1	12.4	11.7	11.0	11.0	12.4	13.1	12.4	11.7	11.0	11.0
149.5°	13.1	12.4	11.7	11.0	11.7	12.4	13.1	12.4	11.7	11.0	11.7
150°	13.1	12.4	11.7	11.7	11.7	13.1	13.1	12.4	11.7	11.7	11.7
150.5°	13.1	13.1	11.7	12.4	11.7	13.1	13.1	13.1	11.7	12.4	11.7
151°	13.8	13.1	11.7	12.4	11.7	13.1	13.8	13.1	11.7	12.4	11.7
151.5°	13.8	13.1	12.4	12.4	11.7	13.1	13.8	13.1	12.4	12.4	11.7
152°	13.8	13.1	12.4	12.4	11.7	13.1	13.8	13.1	12.4	12.4	11.7
152.5°	13.8	13.8	12.4	12.4	12.4	13.1	13.8	13.8	12.4	12.4	12.4
153°	14.5	13.8	13.1	12.4	12.4	13.1	14.5	13.8	13.1	12.4	12.4
153.5°	14.5	13.8	13.1	12.4	12.4	13.1	14.5	13.8	13.1	12.4	12.4
154°	14.5	13.8	13.1	12.4	12.4	13.1	14.5	13.8	13.1	12.4	12.4
154.5°	14.5	13.8	13.1	13.8	12.4	13.8	14.5	13.8	13.1	13.8	12.4
155°	14.5	13.8	13.1	13.8	13.1	13.8	14.5	13.8	13.1	13.8	13.1
155.5°	14.5	13.8	13.1	13.8	13.1	13.8	14.5	13.8	13.1	13.8	13.1
156°	14.5	13.8	13.1	13.8	13.1	13.8	14.5	13.8	13.1	13.8	13.1
156.5°	14.5	13.8	13.1	13.8	13.1	13.8	14.5	13.8	13.1	13.8	13.1
157°	14.5	13.8	13.1	13.8	13.1	13.8	14.5	13.8	13.1	13.8	13.1

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Scaled Data Report

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	14.5	14.5	13.8	13.8	13.1	13.8	14.5	14.5	13.8	13.8	13.1
158°	14.5	14.5	13.8	13.8	13.1	13.8	14.5	14.5	13.8	13.8	13.1
158.5°	14.5	14.5	13.8	13.8	13.1	13.8	14.5	14.5	13.8	13.8	13.1
159°	14.5	14.5	14.5	13.8	13.1	13.8	14.5	14.5	14.5	13.8	13.1
159.5°	14.5	15.1	14.5	13.8	13.1	14.5	14.5	15.1	14.5	13.8	13.1
160°	14.5	15.1	14.5	14.5	13.1	14.5	14.5	15.1	14.5	14.5	13.1
160.5°	14.5	15.1	14.5	15.1	14.5	15.1	14.5	15.1	14.5	15.1	14.5
161°	14.5	15.1	14.5	14.5	14.5	15.1	14.5	15.1	14.5	14.5	14.5
161.5°	14.5	15.1	14.5	14.5	14.5	15.1	14.5	15.1	14.5	14.5	14.5
162°	14.5	15.1	14.5	15.1	14.5	15.1	14.5	15.1	14.5	15.1	14.5
162.5°	14.5	15.1	14.5	15.1	14.5	15.1	14.5	15.1	14.5	15.1	14.5
163°	15.1	15.1	14.5	15.1	14.5	15.1	15.1	15.1	14.5	15.1	14.5
163.5°	15.1	15.1	15.1	15.1	14.5	15.1	15.1	15.1	15.1	15.1	14.5
164°	15.1	15.1	15.1	15.1	14.5	15.1	15.1	15.1	15.1	15.1	14.5
164.5°	15.1	15.1	15.8	15.1	14.5	15.1	15.1	15.1	15.8	15.1	14.5
165°	15.1	15.1	15.8	15.8	15.1	15.1	15.1	15.1	15.8	15.8	15.1
165.5°	15.8	15.1	15.8	15.8	15.1	15.1	15.8	15.1	15.8	15.8	15.1
166°	15.8	15.1	15.8	15.8	15.1	15.1	15.8	15.1	15.8	15.8	15.1
166.5°	15.8	15.1	15.8	15.8	15.1	15.1	15.8	15.1	15.8	15.8	15.1
167°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
167.5°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
168°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
168.5°	15.8	15.8	15.8	15.8	15.1	15.1	15.8	15.8	15.8	15.8	15.1
169°	15.8	15.8	15.8	15.8	15.8	15.1	15.8	15.8	15.8	15.8	15.8
169.5°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
170°	15.8	15.8	15.8	16.5	15.8	15.8	15.8	15.8	15.8	16.5	15.8
170.5°	15.8	16.5	16.5	16.5	15.8	15.1	15.8	16.5	16.5	16.5	15.8
171°	15.8	16.5	16.5	16.5	15.8	15.1	15.8	16.5	16.5	16.5	15.8
171.5°	15.8	16.5	15.8	16.5	15.8	15.8	15.8	16.5	15.8	16.5	15.8
172°	15.8	16.5	15.8	16.5	15.8	16.5	15.8	16.5	15.8	16.5	15.8
172.5°	15.8	16.5	16.5	16.5	15.8	16.5	15.8	16.5	16.5	16.5	15.8
173°	15.8	16.5	16.5	16.5	15.8	16.5	15.8	16.5	16.5	16.5	15.8
173.5°	15.8	16.5	15.8	16.5	15.8	15.8	15.8	16.5	15.8	16.5	15.8
174°	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5	16.5
174.5°	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5	16.5
175°	15.8	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5
175.5°	15.8	15.8	16.5	16.5	16.5	16.5	15.8	15.8	16.5	16.5	16.5
176°	15.8	16.5	16.5	16.5	16.5	16.5	15.8	16.5	16.5	16.5	16.5
176.5°	15.8	16.5	16.5	16.5	16.5	16.5	15.8	16.5	16.5	16.5	16.5
177°	15.8	16.5	16.5	16.5	16.5	16.5	15.8	16.5	16.5	16.5	16.5
177.5°	15.8	16.5	16.5	17.2	16.5	16.5	15.8	16.5	16.5	17.2	16.5
178°	15.8	16.5	16.5	17.9	16.5	16.5	15.8	16.5	16.5	17.9	16.5
178.5°	16.5	16.5	16.5	17.2	16.5	16.5	16.5	16.5	16.5	17.2	16.5
179°	16.5	16.5	16.5	17.2	16.5	16.5	16.5	16.5	16.5	17.2	16.5
179.5°	15.8	16.5	16.5	17.9	16.5	16.5	15.8	16.5	16.5	17.9	16.5

TEST NUMBER: P1594639
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	16.6	*16.6*	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6

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TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	26926.7	26926.7
0.5°	26926.7	26926.7
1°	*26908.9*	*26908.9*
1.5°	26908.9	26900.0
2°	26906.2	26917.9
2.5°	26895.1	26902.7
3°	26877.9	26877.9
3.5°	26877.9	26884.8
4°	26857.9	26885.5
4.5°	26857.9	26882.0
5°	26821.5	26856.6
5.5°	26785.0	26838.0
6°	26785.0	26826.3
6.5°	26747.8	26833.8
7°	26747.8	26820.8
7.5°	26694.7	26791.1
8°	26694.7	26756.0
8.5°	26649.3	26747.1
9°	26649.3	26725.0
9.5°	26570.1	26684.4
10°	26570.1	26663.1
10.5°	26506.8	26641.0
11°	26428.2	26632.8
11.5°	26428.2	26599.7
12°	26347.7	26559.8
12.5°	26347.7	26518.5
13°	26266.4	26508.8
13.5°	26266.4	26443.4
14°	26156.9	26389.7
14.5°	26156.9	26364.9
15°	26048.8	26334.6
15.5°	25982.0	26306.4
16°	25936.6	26256.1
16.5°	25814.7	26207.9
17°	25814.7	26159.0
17.5°	25696.9	26140.4
18°	25696.9	26041.9
18.5°	25555.1	25979.3
19°	25555.1	25947.6
19.5°	25422.2	25907.0
20°	25422.2	25860.8
20.5°	25254.9	25793.4
21°	25094.4	25738.3
21.5°	25094.4	25684.5
22°	24926.4	25648.7

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	24926.4	25592.3
23°	24731.5	25522.7
23.5°	24731.5	25409.1
24°	24542.8	25355.4
24.5°	24542.8	25290.7
25°	24319.0	25209.4
25.5°	24319.0	25148.8
26°	24104.9	25084.8
26.5°	24004.3	25031.7
27°	23870.1	24958.1
27.5°	23622.2	24876.8
28°	23622.2	24792.8
28.5°	23361.9	24743.2
29°	23361.9	24591.0
29.5°	23060.9	24591.0
30°	23060.9	24429.2
30.5°	22762.1	24352.1
31°	22566.5	24281.8
31.5°	22428.1	24093.9
32°	22081.0	24093.9
32.5°	22081.0	24000.2
33°	21687.8	24000.2
33.5°	21687.8	23737.2
34°	21264.3	23624.9
34.5°	21264.3	23546.4
35°	20821.6	23450.0
35.5°	20821.6	23352.2
36°	20308.6	23231.0
36.5°	19770.7	23125.0
37°	19770.7	23014.1
37.5°	19166.8	22925.3
38°	19166.8	22805.5
38.5°	18544.3	22682.2
39°	18544.3	22450.8
39.5°	17902.5	22323.4
40°	17902.5	22204.3
40.5°	17231.8	22048.7
41°	17231.8	21930.2
41.5°	16565.3	21784.3
42°	15924.9	21666.5
42.5°	15924.9	21504.0
43°	15294.8	21353.2
43.5°	15294.8	21050.2
44°	14692.9	21050.2
44.5°	14692.9	20712.1

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	14101.4	20509.6
45.5°	14101.4	20356.8
46°	13546.4	20157.7
46.5°	13335.0	19992.5
47°	12992.0	19766.6
47.5°	12465.9	19573.8
48°	12465.9	19339.0
48.5°	11999.8	19162.7
49°	11999.8	18703.4
49.5°	11585.9	18439.0
50°	11585.9	18230.3
50.5°	11200.3	17965.9
51°	11200.3	17730.4
51.5°	10807.1	17442.5
52°	10441.4	17196.7
52.5°	10441.4	16908.9
53°	10114.3	16664.4
53.5°	10114.3	16364.2
54°	9849.9	16081.9
54.5°	9849.9	15500.7
55°	9611.0	15193.5
55.5°	9611.0	14898.1
56°	9305.2	14577.2
56.5°	9149.6	14277.0
57°	8982.3	13963.7
57.5°	8654.5	13666.2
58°	8654.5	13346.0
58.5°	8403.8	13024.4
59°	8403.8	12399.2
59.5°	8104.3	12087.9
60°	8104.3	11760.8
60.5°	7765.5	11447.5
61°	7765.5	11133.5
61.5°	7498.3	10836.7
62°	7224.2	10518.6
62.5°	7224.2	10222.5
63°	6862.7	9899.5
63.5°	6862.7	9611.6
64°	6516.3	9309.4
64.5°	6516.3	8714.4
65°	6152.8	8432.1
65.5°	6152.8	8139.4
66°	5809.1	7869.5
66.5°	5809.1	7578.2
67°	5440.0	7307.6

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	5024.8	7019.0
68°	5024.8	6758.7
68.5°	4555.9	6479.2
69°	4555.9	6223.7
69.5°	4133.1	5936.5
70°	4133.1	5412.5
70.5°	3783.2	5171.5
71°	3783.2	4900.2
71.5°	3416.2	4667.4
72°	3057.4	4410.6
72.5°	3057.4	4192.3
73°	2913.5	3943.0
73.5°	2564.4	3730.2
74°	2426.0	3483.7
74.5°	2191.2	3058.1
75°	2047.9	2873.6
75.5°	1819.3	2650.5
76°	1703.6	2477.6
76.5°	1499.1	2266.2
77°	1423.4	2112.0
77.5°	1192.7	1914.3
78°	1039.1	1774.6
78.5°	1002.6	1587.9
79°	851.1	1468.8
79.5°	825.0	1296.0
80°	681.7	1038.4
80.5°	516.5	956.5
81°	516.5	816.0
81.5°	496.5	751.3
82°	380.8	625.9
82.5°	362.9	575.0
83°	269.2	469.6
83.5°	213.5	432.4
84°	201.8	346.4
84.5°	163.9	319.5
85°	153.6	249.3
85.5°	126.7	175.6
86°	123.3	161.1
86.5°	95.7	120.5
87°	90.9	102.6
87.5°	68.9	73.7
88°	50.3	62.0
88.5°	50.3	41.3
89°	36.5	41.3
89.5°	36.5	26.2

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	21.3	12.4
90.5°	21.3	12.4
91°	10.3	2.8
91.5°	10.3	2.8
92°	6.9	0.7
92.5°	6.9	0.7
93°	1.4	0.7
93.5°	0.7	0.7
94°	0.7	0.7
94.5°	0.7	0.7
95°	0.7	0.7
95.5°	0.7	0.7
96°	0.7	0.7
96.5°	0.7	0.7
97°	0.7	0.7
97.5°	0.7	0.7
98°	0.7	0.7
98.5°	0.7	0.7
99°	0.7	0.7
99.5°	0.7	1.4
100°	0.7	1.4
100.5°	0.7	1.4
101°	0.7	1.4
101.5°	0.7	1.4
102°	0.7	1.4
102.5°	0.7	1.4
103°	0.7	1.4
103.5°	0.7	1.4
104°	0.7	1.4
104.5°	0.7	1.4
105°	0.7	2.1
105.5°	0.7	2.1
106°	1.4	2.1
106.5°	1.4	2.1
107°	1.4	2.1
107.5°	1.4	2.1
108°	1.4	2.8
108.5°	2.1	2.8
109°	2.1	2.8
109.5°	2.1	3.4
110°	2.1	3.4
110.5°	2.1	3.4
111°	2.1	3.4
111.5°	2.1	3.4
112°	2.1	3.4

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.8	3.4
113°	2.8	3.4
113.5°	2.8	3.4
114°	2.8	4.1
114.5°	2.8	4.1
115°	2.8	4.8
115.5°	2.8	4.8
116°	3.4	4.8
116.5°	3.4	4.8
117°	4.1	4.8
117.5°	4.1	4.8
118°	4.1	5.5
118.5°	4.1	5.5
119°	4.1	5.5
119.5°	4.1	6.2
120°	4.1	6.2
120.5°	4.1	6.2
121°	4.1	6.2
121.5°	4.8	6.9
122°	4.8	6.9
122.5°	5.5	6.2
123°	5.5	6.2
123.5°	5.5	6.9
124°	5.5	6.9
124.5°	5.5	6.9
125°	5.5	7.6
125.5°	5.5	7.6
126°	6.9	7.6
126.5°	6.9	7.6
127°	6.9	7.6
127.5°	6.9	7.6
128°	6.9	8.3
128.5°	6.9	8.3
129°	6.9	8.3
129.5°	7.6	9.0
130°	7.6	9.0
130.5°	7.6	9.0
131°	7.6	9.0
131.5°	8.3	9.0
132°	8.3	9.0
132.5°	8.3	9.6
133°	8.3	9.6
133.5°	8.3	9.6
134°	8.3	9.6
134.5°	8.3	9.6

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	9.0	9.6
135.5°	9.0	10.3
136°	9.0	10.3
136.5°	9.0	10.3
137°	9.6	10.3
137.5°	9.6	10.3
138°	9.6	10.3
138.5°	9.6	10.3
139°	9.6	11.0
139.5°	10.3	11.0
140°	10.3	11.0
140.5°	10.3	11.0
141°	10.3	11.0
141.5°	10.3	11.7
142°	10.3	11.7
142.5°	11.0	11.7
143°	11.0	11.7
143.5°	11.0	11.7
144°	11.0	11.7
144.5°	11.0	12.4
145°	11.7	12.4
145.5°	11.7	12.4
146°	11.7	13.1
146.5°	11.7	12.4
147°	11.7	12.4
147.5°	11.7	13.1
148°	11.7	13.1
148.5°	11.7	13.1
149°	12.4	13.1
149.5°	12.4	13.1
150°	13.1	13.1
150.5°	13.1	13.1
151°	13.1	13.8
151.5°	13.1	13.8
152°	13.1	13.8
152.5°	13.1	13.8
153°	13.1	14.5
153.5°	13.1	14.5
154°	13.1	14.5
154.5°	13.8	14.5
155°	13.8	14.5
155.5°	13.8	14.5
156°	13.8	14.5
156.5°	13.8	14.5
157°	13.8	14.5

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	13.8	14.5
158°	13.8	14.5
158.5°	13.8	14.5
159°	13.8	14.5
159.5°	14.5	14.5
160°	14.5	14.5
160.5°	15.1	14.5
161°	15.1	14.5
161.5°	15.1	14.5
162°	15.1	14.5
162.5°	15.1	14.5
163°	15.1	15.1
163.5°	15.1	15.1
164°	15.1	15.1
164.5°	15.1	15.1
165°	15.1	15.1
165.5°	15.1	15.8
166°	15.1	15.8
166.5°	15.1	15.8
167°	15.1	15.8
167.5°	15.1	15.8
168°	15.1	15.8
168.5°	15.1	15.8
169°	15.1	15.8
169.5°	15.8	15.8
170°	15.8	15.8
170.5°	15.1	15.8
171°	15.1	15.8
171.5°	15.8	15.8
172°	16.5	15.8
172.5°	16.5	15.8
173°	16.5	15.8
173.5°	15.8	15.8
174°	15.8	15.8
174.5°	15.8	15.8
175°	16.5	15.8
175.5°	16.5	15.8
176°	16.5	15.8
176.5°	16.5	15.8
177°	16.5	15.8
177.5°	16.5	15.8
178°	16.5	15.8
178.5°	16.5	16.5
179°	16.5	16.5
179.5°	16.5	15.8

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	16.6	16.6

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

Scaled Data Report

TEST NUMBER: P1594639
CATALOG NUMBER: FLXB-4860-M-HI-3500K

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	28.4	29.9	28.8	30.2	30.5	26.3	27.8	26.6	28.1	28.4
	3H	29.8	31.2	30.2	31.5	31.9	26.7	28.0	27.1	28.4	28.7
	4H	30.2	31.4	30.6	31.8	32.2	26.7	27.9	27.1	28.3	28.7
	6H	30.3	31.4	30.7	31.8	32.2	26.6	27.8	27.1	28.2	28.6
	8H	30.3	31.4	30.7	31.7	32.2	26.6	27.7	27.0	28.1	28.5
	12H	30.2	31.3	30.7	31.7	32.1	26.6	27.6	27.0	28.0	28.4
4H	2H	28.6	29.9	29.0	30.2	30.6	26.8	28.1	27.2	28.4	28.8
	3H	30.2	31.2	30.6	31.6	32.0	27.3	28.3	27.7	28.7	29.1
	4H	30.6	31.5	31.0	31.9	32.3	27.3	28.2	27.7	28.6	29.0
	6H	30.7	31.5	31.2	31.9	32.4	27.2	28.0	27.7	28.5	28.9
	8H	30.7	31.4	31.2	31.9	32.4	27.2	27.9	27.7	28.4	28.9
	12H	30.7	31.3	31.2	31.8	32.3	27.2	27.8	27.7	28.3	28.8
8H	4H	30.5	31.3	31.0	31.7	32.2	27.4	28.1	27.8	28.6	29.0
	6H	30.7	31.3	31.2	31.8	32.2	27.3	27.9	27.8	28.4	28.9
	8H	30.7	31.2	31.2	31.7	32.2	27.3	27.8	27.8	28.4	28.8
	12H	30.6	31.1	31.2	31.6	32.2	27.3	27.8	27.8	28.2	28.8
12H	4H	30.5	31.1	31.0	31.6	32.1	27.4	28.0	27.8	28.5	29.0
	6H	30.6	31.2	31.1	31.6	32.2	27.3	27.9	27.8	28.3	28.9
	8H	30.6	31.1	31.1	31.6	32.2	27.3	27.8	27.8	28.3	28.8

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: SP3-2602-684-2

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3500K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

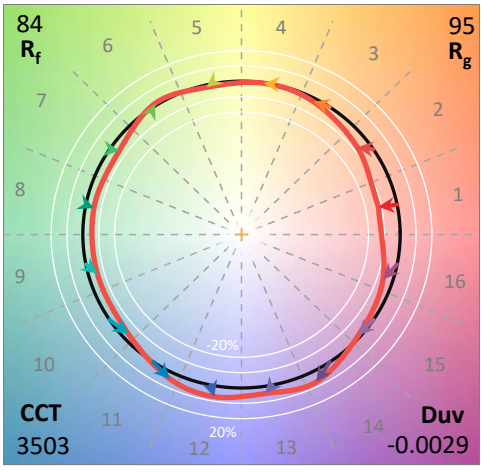
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-2
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-3500K**
Description:	LDS HLBX 2436 W beam, HI lumen, 3500K CCT settings

Spectral Parameters

CCT (K):	3503	CRI (Ra):	83.9		
CIE u':	0.2370	R1:	83.4	R9:	12.0
CIE v':	0.5073	R2:	92.6	R10:	81.6
Duv:	-0.0029	R3:	95.6	R11:	80.4
CIE x:	0.4021	R4:	81.3	R12:	66.4
CIE y:	0.3825	R5:	83.2	R13:	86.1
CIE z:	0.2155	R6:	89.3	R14:	98.5
Peak Wavelength (nm):	599	R7:	83.4	R15:	77.2
Dominant Wavelength (nm):	582	R8:	62.5		
Purity:	35.45926				

Rf:	83.9
Rg:	95.1



Test Conditions

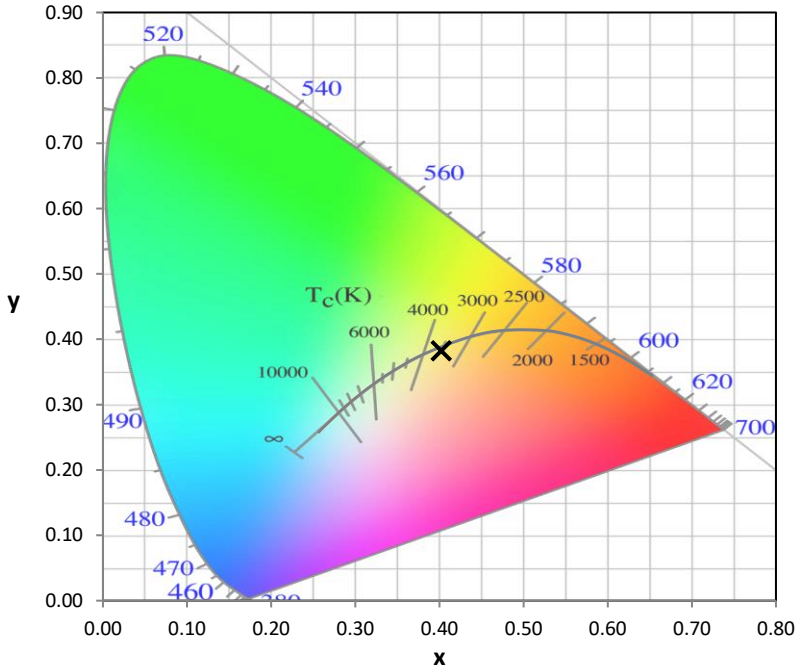
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-2

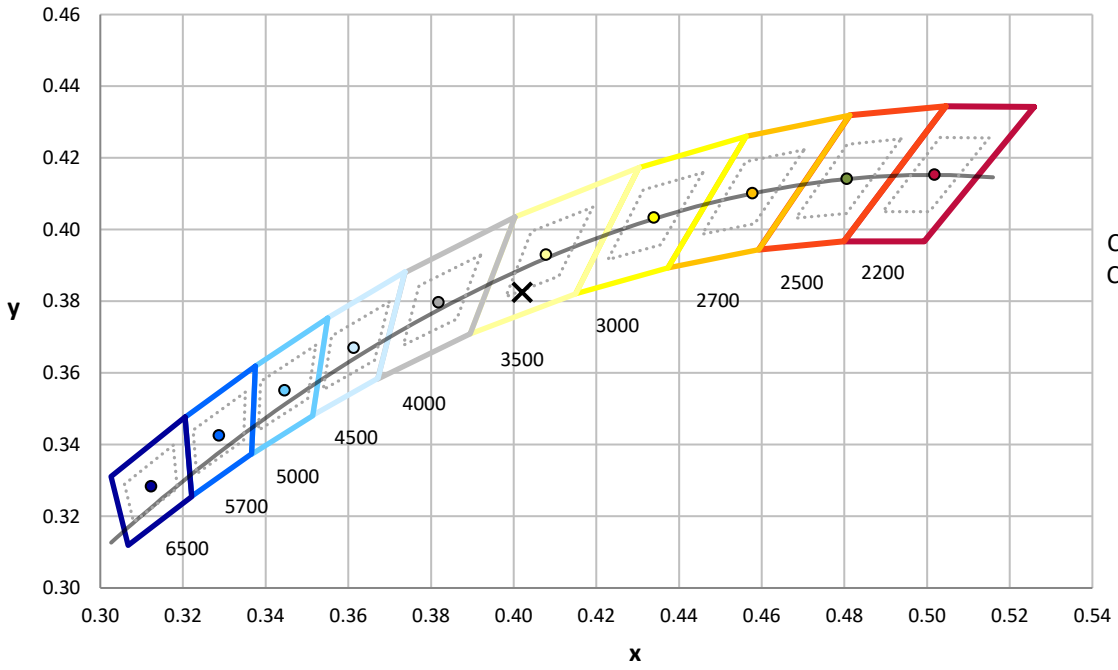
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-2

CIE 1931 Chromaticity Diagram



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

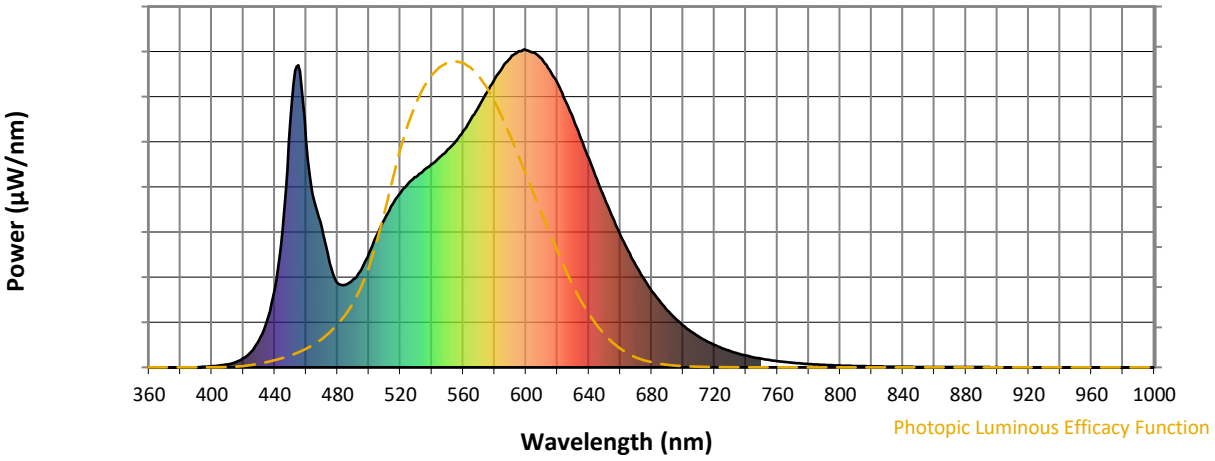


CCT = 3503K
CIE x = 0.4021
CIE y = 0.3825
Duv = -0.0029

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP3-2602-684-2

Photopic Flux vs. Wavelength

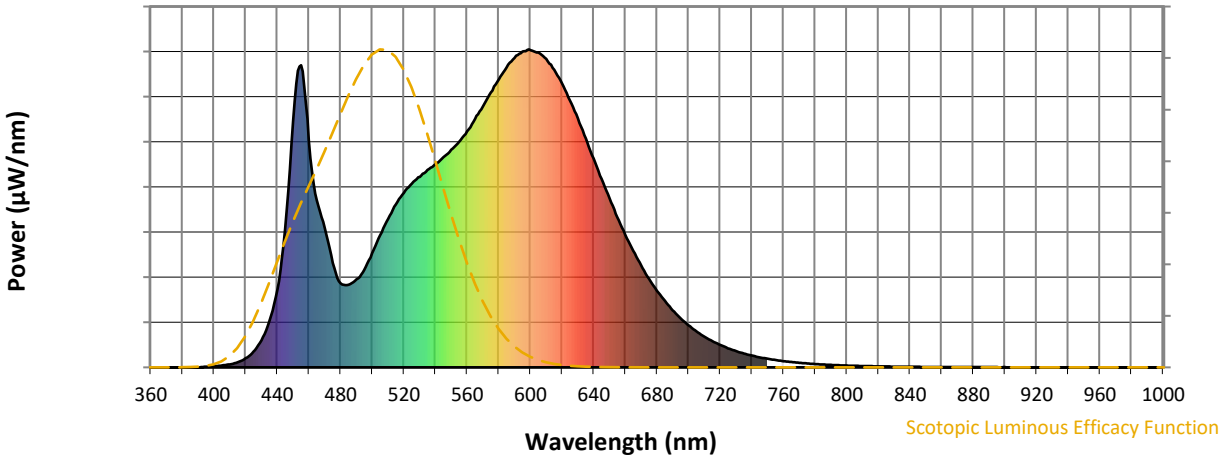


Photopic Lumens: NR

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	277	NR	620	894	NR	750	27	NR	880	1	NR
365	0	NR	495	306	NR	625	839	NR	755	23	NR	885	1	NR
370	0	NR	500	359	NR	630	783	NR	760	20	NR	890	1	NR
375	0	NR	505	416	NR	635	720	NR	765	17	NR	895	1	NR
380	0	NR	510	467	NR	640	657	NR	770	14	NR	900	1	NR
385	0	NR	515	513	NR	645	593	NR	775	12	NR	905	0	NR
390	0	NR	520	549	NR	650	531	NR	780	11	NR	910	0	NR
395	2	NR	525	577	NR	655	472	NR	785	9	NR	915	0	NR
400	4	NR	530	599	NR	660	417	NR	790	8	NR	920	0	NR
405	6	NR	535	621	NR	665	367	NR	795	7	NR	925	0	NR
410	9	NR	540	639	NR	670	320	NR	800	6	NR	930	0	NR
415	16	NR	545	661	NR	675	279	NR	805	5	NR	935	0	NR
420	29	NR	550	684	NR	680	241	NR	810	4	NR	940	0	NR
425	50	NR	555	710	NR	685	210	NR	815	4	NR	945	0	NR
430	84	NR	560	742	NR	690	180	NR	820	3	NR	950	0	NR
435	146	NR	565	782	NR	695	154	NR	825	3	NR	955	0	NR
440	245	NR	570	820	NR	700	132	NR	830	2	NR	960	0	NR
445	435	NR	575	864	NR	705	113	NR	835	2	NR	965	0	NR
450	775	NR	580	906	NR	710	96	NR	840	2	NR	970	0	NR
455	950	NR	585	943	NR	715	82	NR	845	2	NR	975	0	NR
460	714	NR	590	973	NR	720	71	NR	850	1	NR	980	0	NR
465	526	NR	595	993	NR	725	60	NR	855	1	NR	985	0	NR
470	438	NR	600	997	NR	730	51	NR	860	1	NR	990	0	NR
475	328	NR	605	990	NR	735	44	NR	865	1	NR	995	0	NR
480	265	NR	610	970	NR	740	37	NR	870	1	NR	1000	0	NR
485	260	NR	615	936	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-2

Scotopic Flux vs. Wavelength

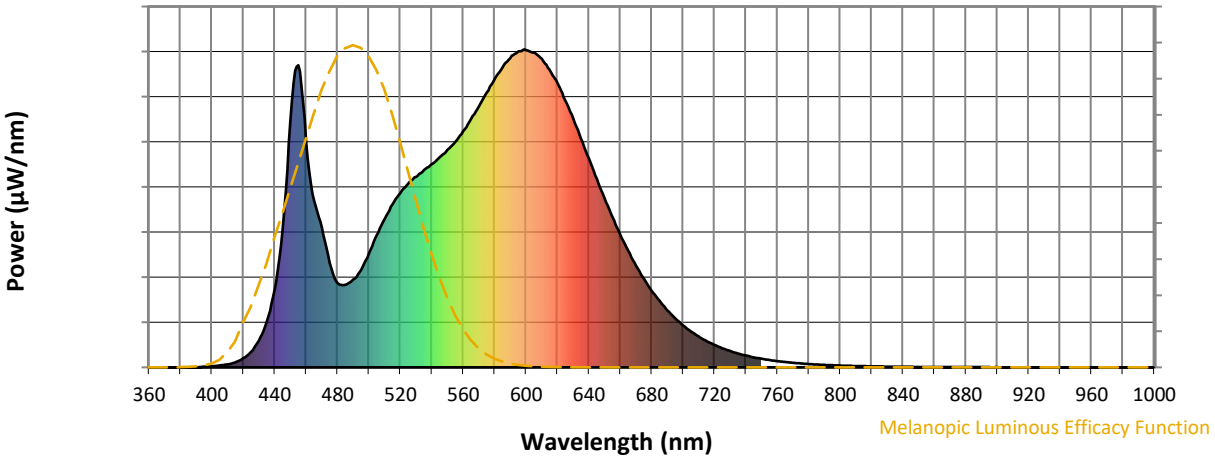


Scotopic Lumens: NR **S/P: 1.56**

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	277	NR	620	894	NR	750	27	NR	880	1	NR
365	0	NR	495	306	NR	625	839	NR	755	23	NR	885	1	NR
370	0	NR	500	359	NR	630	783	NR	760	20	NR	890	1	NR
375	0	NR	505	416	NR	635	720	NR	765	17	NR	895	1	NR
380	0	NR	510	467	NR	640	657	NR	770	14	NR	900	1	NR
385	0	NR	515	513	NR	645	593	NR	775	12	NR	905	0	NR
390	0	NR	520	549	NR	650	531	NR	780	11	NR	910	0	NR
395	2	NR	525	577	NR	655	472	NR	785	9	NR	915	0	NR
400	4	NR	530	599	NR	660	417	NR	790	8	NR	920	0	NR
405	6	NR	535	621	NR	665	367	NR	795	7	NR	925	0	NR
410	9	NR	540	639	NR	670	320	NR	800	6	NR	930	0	NR
415	16	NR	545	661	NR	675	279	NR	805	5	NR	935	0	NR
420	29	NR	550	684	NR	680	241	NR	810	4	NR	940	0	NR
425	50	NR	555	710	NR	685	210	NR	815	4	NR	945	0	NR
430	84	NR	560	742	NR	690	180	NR	820	3	NR	950	0	NR
435	146	NR	565	782	NR	695	154	NR	825	3	NR	955	0	NR
440	245	NR	570	820	NR	700	132	NR	830	2	NR	960	0	NR
445	435	NR	575	864	NR	705	113	NR	835	2	NR	965	0	NR
450	775	NR	580	906	NR	710	96	NR	840	2	NR	970	0	NR
455	950	NR	585	943	NR	715	82	NR	845	2	NR	975	0	NR
460	714	NR	590	973	NR	720	71	NR	850	1	NR	980	0	NR
465	526	NR	595	993	NR	725	60	NR	855	1	NR	985	0	NR
470	438	NR	600	997	NR	730	51	NR	860	1	NR	990	0	NR
475	328	NR	605	990	NR	735	44	NR	865	1	NR	995	0	NR
480	265	NR	610	970	NR	740	37	NR	870	1	NR	1000	0	NR
485	260	NR	615	936	NR	745	32	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.19**

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	277	NR	620	894	NR	750	27	NR	880	1	NR
365	0	NR	495	306	NR	625	839	NR	755	23	NR	885	1	NR
370	0	NR	500	359	NR	630	783	NR	760	20	NR	890	1	NR
375	0	NR	505	416	NR	635	720	NR	765	17	NR	895	1	NR
380	0	NR	510	467	NR	640	657	NR	770	14	NR	900	1	NR
385	0	NR	515	513	NR	645	593	NR	775	12	NR	905	0	NR
390	0	NR	520	549	NR	650	531	NR	780	11	NR	910	0	NR
395	2	NR	525	577	NR	655	472	NR	785	9	NR	915	0	NR
400	4	NR	530	599	NR	660	417	NR	790	8	NR	920	0	NR
405	6	NR	535	621	NR	665	367	NR	795	7	NR	925	0	NR
410	9	NR	540	639	NR	670	320	NR	800	6	NR	930	0	NR
415	16	NR	545	661	NR	675	279	NR	805	5	NR	935	0	NR
420	29	NR	550	684	NR	680	241	NR	810	4	NR	940	0	NR
425	50	NR	555	710	NR	685	210	NR	815	4	NR	945	0	NR
430	84	NR	560	742	NR	690	180	NR	820	3	NR	950	0	NR
435	146	NR	565	782	NR	695	154	NR	825	3	NR	955	0	NR
440	245	NR	570	820	NR	700	132	NR	830	2	NR	960	0	NR
445	435	NR	575	864	NR	705	113	NR	835	2	NR	965	0	NR
450	775	NR	580	906	NR	710	96	NR	840	2	NR	970	0	NR
455	950	NR	585	943	NR	715	82	NR	845	2	NR	975	0	NR
460	714	NR	590	973	NR	720	71	NR	850	1	NR	980	0	NR
465	526	NR	595	993	NR	725	60	NR	855	1	NR	985	0	NR
470	438	NR	600	997	NR	730	51	NR	860	1	NR	990	0	NR
475	328	NR	605	990	NR	735	44	NR	865	1	NR	995	0	NR
480	265	NR	610	970	NR	740	37	NR	870	1	NR	1000	0	NR
485	260	NR	615	936	NR	745	32	NR	875	1	NR			

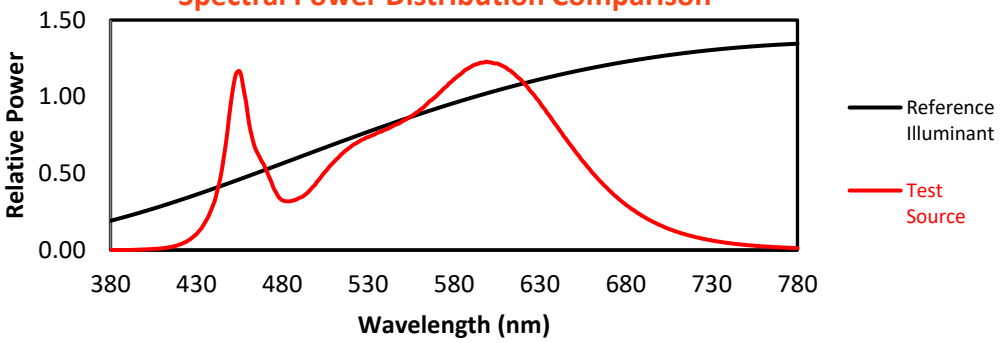
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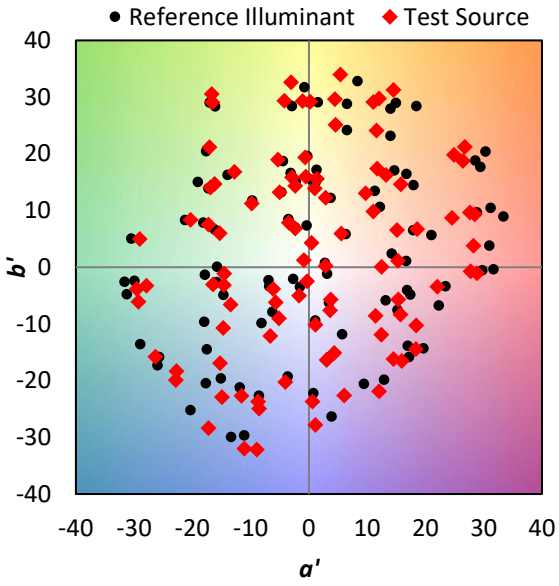
Summary

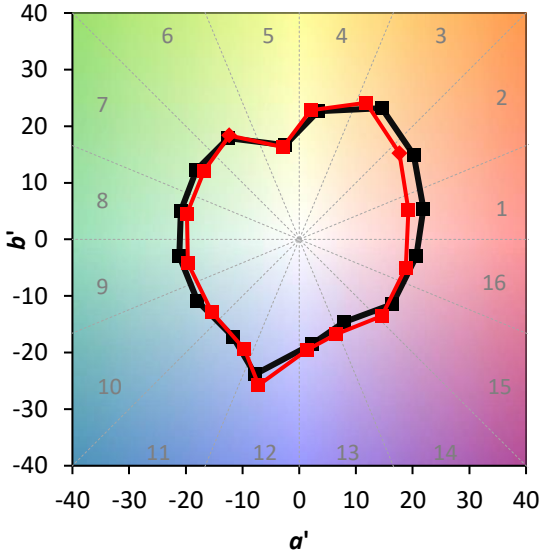
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R_g = 95.1
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R_9 = 12.0

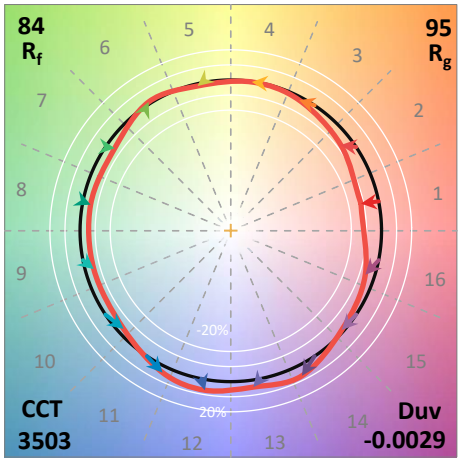
Spectral Power Distribution Comparison

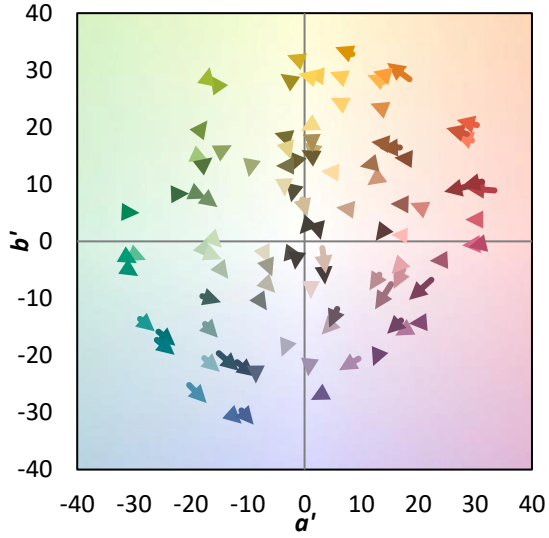


Color Vector Graphics







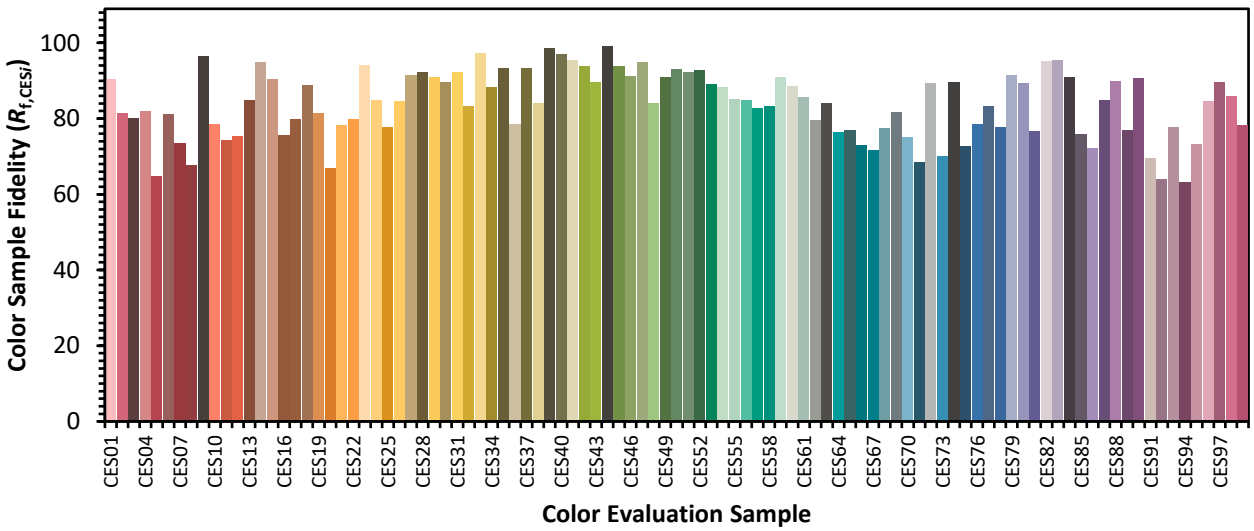


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Individual Sample Fidelity Index ($R_{f,i}$)

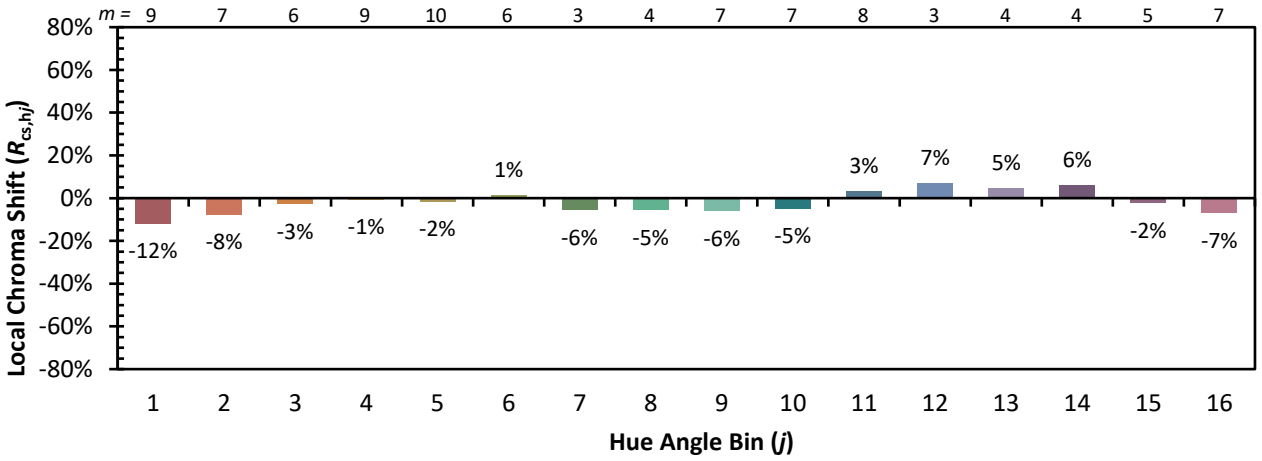
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CES02 = 62	CES27 = 92	CES52 = 93	CES77 = 83
CES03 = 31	CES28 = 92	CES53 = 89	CES78 = 78
CES04 = 70	CES29 = 91	CES54 = 88	CES79 = 91
CES05 = 49	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 51	CES31 = 92	CES56 = 85	CES81 = 77
CES07 = 41	CES32 = 83	CES57 = 83	CES82 = 95
CES08 = 40	CES33 = 97	CES58 = 83	CES83 = 95
CES09 = 29	CES34 = 88	CES59 = 91	CES84 = 91
CES10 = 75	CES35 = 93	CES60 = 89	CES85 = 76
CES11 = 58	CES36 = 79	CES61 = 86	CES86 = 72
CES12 = 64	CES37 = 93	CES62 = 80	CES87 = 85
CES13 = 43	CES38 = 84	CES63 = 84	CES88 = 90
CES14 = 74	CES39 = 98	CES64 = 76	CES89 = 77
CES15 = 71	CES40 = 97	CES65 = 77	CES90 = 91
CES16 = 47	CES41 = 95	CES66 = 73	CES91 = 70
CES17 = 50	CES42 = 94	CES67 = 72	CES92 = 64
CES18 = 56	CES43 = 90	CES68 = 77	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 82	CES94 = 63
CES20 = 66	CES45 = 94	CES70 = 75	CES95 = 73
CES21 = 86	CES46 = 91	CES71 = 68	CES96 = 85
CES22 = 78	CES47 = 95	CES72 = 89	CES97 = 90
CES23 = 92	CES48 = 84	CES73 = 70	CES98 = 86
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 78
CES25 = 72	CES50 = 93	CES75 = 73	

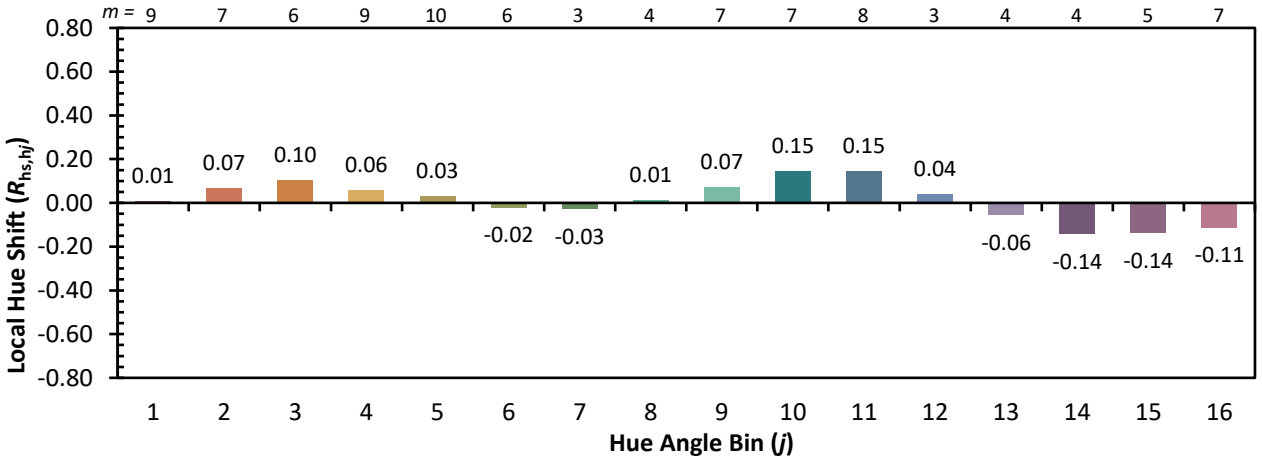


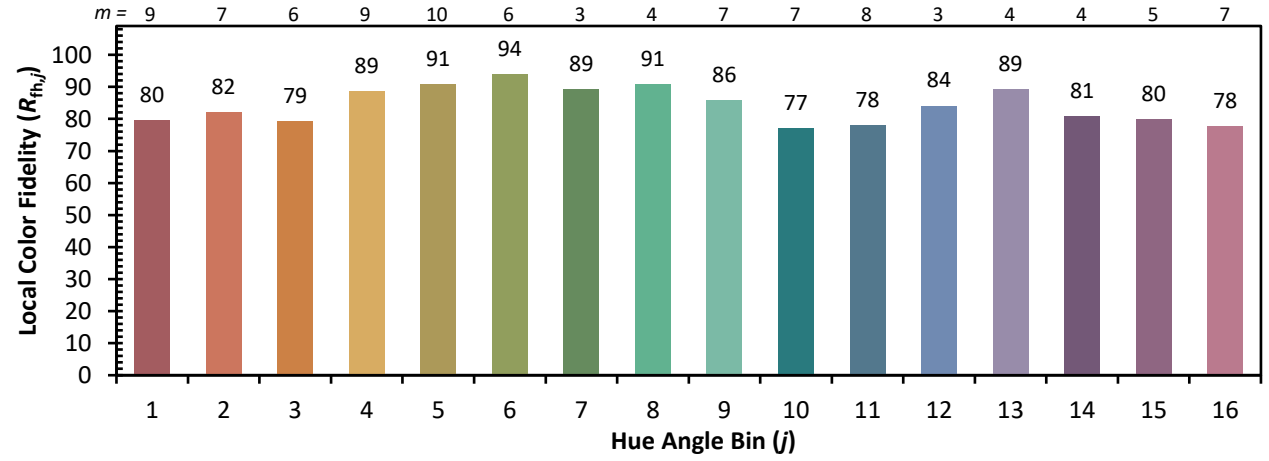
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Color Rendition by Hue-Angle Bin



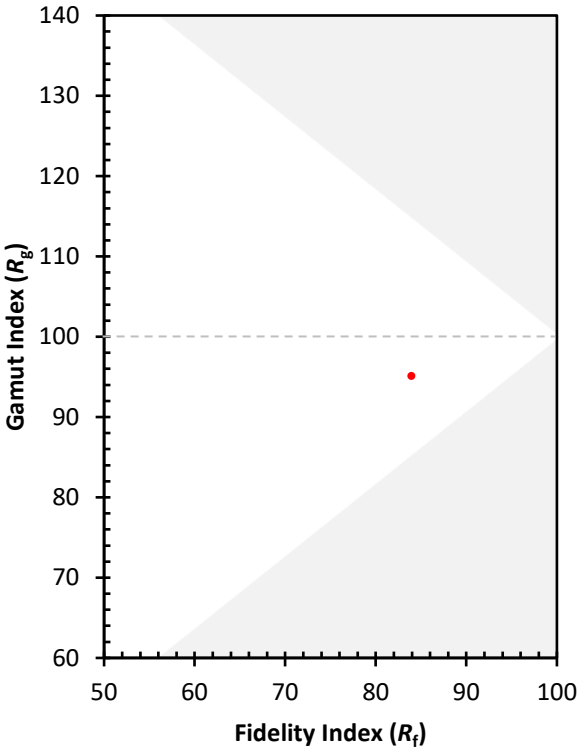


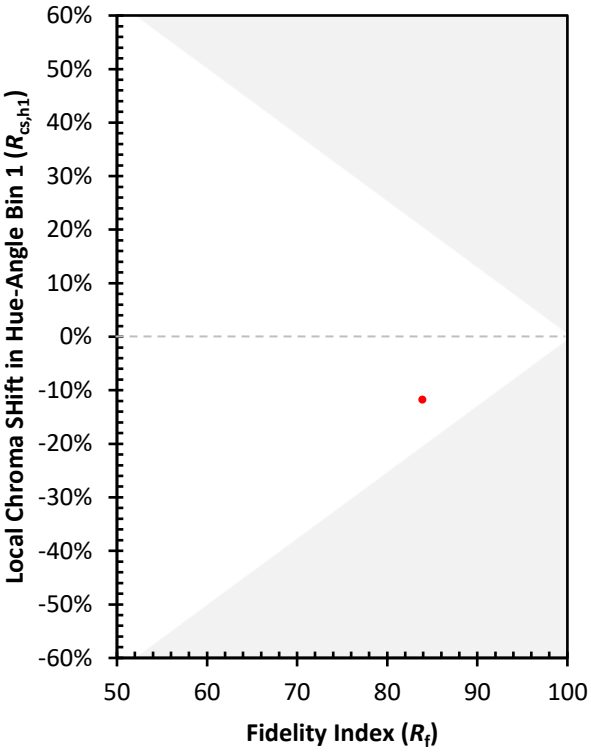


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Measure Comparisons





(END OF REPORT)