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: P1594638

Luminaire Tested: FLXB-4860-M-HI-3000K

Issue Date: 10/2/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594638
	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-3000K
Description:	4860 FlexBay Linear High bay at M beam, HI lumen, 3000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	59453.0 lumens
Efficiency:	N/A
Efficacy:	160.6 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

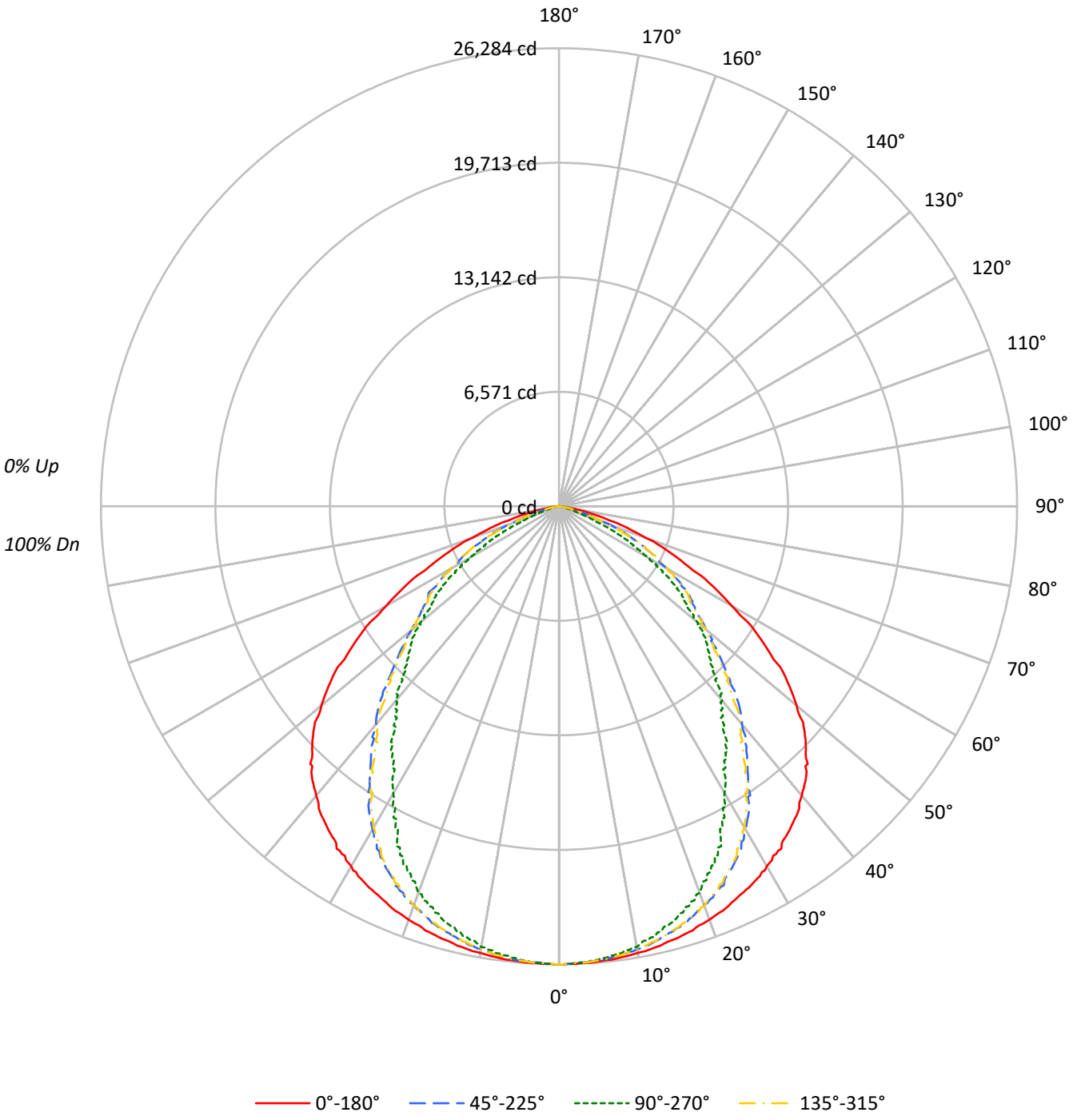
Input Watts (W):	370.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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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°	127806	127806	127806	127806
5°	127960	127425	127960	127425
10°	128507	126791	128507	126791
15°	129405	124658	129405	124658
20°	130625	122221	130625	122221
25°	132025	115915	132025	115915
30°	133889	106743	133889	106743
35°	135877	98582	135877	98582
40°	137579	92514	137579	92514
45°	137671	83608	137671	83608
50°	134615	79008	134615	79008
55°	125729	69868	125729	69868
60°	111644	58597	111644	58597
65°	94700	40672	94700	40672
70°	75113	23403	75113	23403
75°	52697	10356	52697	10356
80°	28383	6569	28383	6569
85°	13574	4424	13574	4424

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 46.5°
Luminance: 137855 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2486.1	4.2
10°-20°	7116.8	12.0
20°-30°	10620.7	17.9
30°-40°	11950.9	20.1
40°-50°	11139.8	18.7
50°-60°	8864.0	14.9
60°-70°	5374.7	9.0
70°-80°	1685.6	2.8
80°-90°	178.3	0.3
90°-100°	2.2	0.0
100°-110°	1.1	0.0
110°-120°	2.9	0.0
120°-130°	5.0	0.0
130°-140°	6.3	0.0
140°-150°	6.8	0.0
150°-160°	6.0	0.0
160°-170°	4.2	0.0
170°-180°	1.5	0.0
0°-30°	20223.6	34.0
0°-40°	32174.6	54.1
0°-60°	52178.4	87.8
0°-90°	59417.0	99.9
90°-120°	6.2	0.0
90°-150°	24.3	0.0
90°-180°	36.0	0.1
0°-180°	59453.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	26284	26284	26284	26284	26284	
5°	26215	26105	26215	26105	26215	2497
15°	25706	24762	25706	24762	25706	7267
25°	24607	21605	24607	21605	24607	11371
35°	22890	16607	22890	16607	22890	14333
45°	20020	12158	20020	12158	20020	15428
55°	14831	8241	14831	8241	14831	13265
65°	8231	3535	8231	3535	8231	8293
75°	2805	551	2805	551	2805	3142
85°	243	79	243	79	243	353
90°	12	18	12	18	12	13
95°	1	1	1	1	1	1
105°	2	1	2	1	2	2
115°	5	3	5	3	5	4
125°	7	4	7	4	7	6
135°	9	7	9	7	9	7
145°	12	10	12	10	12	7
155°	14	13	14	13	14	6
165°	15	16	15	16	15	4
175°	16	16	16	16	16	1
180°	16	16	16	16	16	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5
0.5°	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5	26283.5
1°	26266.1	26306.4	26231.1	26262.7	26218.4	26266.1	26266.1	26306.4	26231.1	26262.7	26218.4
1.5°	26257.4	26285.6	26241.9	26262.7	26245.3	26266.1	26257.4	26285.6	26241.9	26262.7	26245.3
2°	26274.8	26278.2	26219.0	26217.7	26209.0	26263.4	26274.8	26278.2	26219.0	26217.7	26209.0
2.5°	26260.0	26278.2	26151.1	26217.7	26209.0	26252.6	26260.0	26278.2	26151.1	26217.7	26209.0
3°	26235.8	26258.0	26156.5	26217.7	26209.0	26235.8	26235.8	26258.0	26156.5	26217.7	26209.0
3.5°	26242.6	26259.4	26156.5	26217.7	26209.0	26235.8	26242.6	26259.4	26156.5	26217.7	26209.0
4°	26243.2	26240.6	26143.1	26146.4	26152.5	26216.4	26243.2	26240.6	26143.1	26146.4	26152.5
4.5°	26239.9	26210.3	26115.5	26146.4	26141.1	26216.4	26239.9	26210.3	26115.5	26146.4	26141.1
5°	26215.0	26211.7	26109.5	26105.4	26114.9	26180.7	26215.0	26211.7	26109.5	26105.4	26114.9
5.5°	26196.9	26213.7	26077.9	26046.3	26066.5	26145.1	26196.9	26213.7	26077.9	26046.3	26066.5
6°	26185.4	26175.3	26077.9	26046.3	26067.1	26145.1	26185.4	26175.3	26077.9	26046.3	26067.1
6.5°	26192.8	26142.4	26001.9	25955.5	26028.8	26108.8	26192.8	26142.4	26001.9	25955.5	26028.8
7°	26180.0	26140.4	25952.9	25955.5	25984.4	26108.8	26180.0	26140.4	25952.9	25955.5	25984.4
7.5°	26151.1	26094.7	25933.4	25898.4	25938.8	26057.0	26151.1	26094.7	25933.4	25898.4	25938.8
8°	26116.9	26094.7	25878.9	25898.4	25938.8	26057.0	26116.9	26094.7	25878.9	25898.4	25938.8
8.5°	26108.1	26045.6	25854.1	25768.7	25835.2	26012.7	26108.1	26045.6	25854.1	25768.7	25835.2
9°	26086.6	26000.6	25771.4	25768.7	25801.6	26012.7	26086.6	26000.6	25771.4	25768.7	25801.6
9.5°	26047.0	25981.8	25771.4	25678.6	25761.3	25935.4	26047.0	25981.8	25771.4	25678.6	25761.3
10°	26026.1	25973.0	25667.2	25678.6	25683.3	25935.4	26026.1	25973.0	25667.2	25678.6	25683.3
10.5°	26004.6	25919.9	25667.2	25551.6	25652.4	25873.5	26004.6	25919.9	25667.2	25551.6	25652.4
11°	25996.6	25862.8	25564.4	25411.8	25596.6	25796.9	25996.6	25862.8	25564.4	25411.8	25596.6
11.5°	25964.3	25846.7	25564.4	25411.8	25528.1	25796.9	25964.3	25846.7	25564.4	25411.8	25528.1
12°	25925.3	25817.8	25442.7	25297.5	25421.9	25718.3	25925.3	25817.8	25442.7	25297.5	25421.9
12.5°	25885.0	25765.3	25362.7	25297.5	25421.9	25718.3	25885.0	25765.3	25362.7	25297.5	25421.9
13°	25875.6	25681.3	25317.0	25098.5	25275.3	25639.0	25875.6	25681.3	25317.0	25098.5	25275.3
13.5°	25811.7	25621.5	25227.6	25098.5	25275.3	25639.0	25811.7	25621.5	25227.6	25098.5	25275.3
14°	25759.3	25581.2	25164.4	24865.3	25153.0	25532.1	25759.3	25581.2	25164.4	24865.3	25153.0
14.5°	25735.1	25550.2	25016.5	24865.3	25050.8	25532.1	25735.1	25550.2	25016.5	24865.3	25050.8
15°	25705.5	25485.7	25016.5	24762.5	24991.0	25426.6	25705.5	25485.7	25016.5	24762.5	24991.0
15.5°	25677.9	25416.5	24866.0	24690.5	24922.4	25361.4	25677.9	25416.5	24866.0	24690.5	24922.4
16°	25628.9	25382.2	24866.0	24565.5	24826.3	25317.0	25628.9	25382.2	24866.0	24565.5	24826.3
16.5°	25581.8	25344.6	24697.9	24367.9	24724.8	25198.0	25581.8	25344.6	24697.9	24367.9	24724.8
17°	25534.1	25270.6	24697.9	24367.9	24660.3	25198.0	25534.1	25270.6	24697.9	24367.9	24660.3
17.5°	25516.0	25152.3	24509.1	24119.9	24454.6	25083.1	25516.0	25152.3	24509.1	24119.9	24454.6
18°	25419.8	25152.3	24394.8	24119.9	24454.6	25083.1	25419.8	25152.3	24394.8	24119.9	24454.6
18.5°	25358.7	25020.6	24306.1	23908.2	24267.1	24944.6	25358.7	25020.6	24306.1	23908.2	24267.1
19°	25327.8	24965.5	24093.0	23908.2	24267.1	24944.6	25327.8	24965.5	24093.0	23908.2	24267.1
19.5°	25288.1	24889.5	24093.0	23619.1	24037.2	24814.9	25288.1	24889.5	24093.0	23619.1	24037.2
20°	25243.1	24798.8	23879.2	23619.1	23941.1	24814.9	25243.1	24798.8	23879.2	23619.1	23941.1
20.5°	25177.2	24742.3	23879.2	23357.6	23820.1	24651.6	25177.2	24742.3	23879.2	23357.6	23820.1
21°	25123.4	24688.5	23651.4	23059.9	23673.6	24494.9	25123.4	24688.5	23651.4	23059.9	23673.6
21.5°	25071.0	24595.1	23651.4	23059.9	23568.7	24494.9	25071.0	24595.1	23651.4	23059.9	23568.7
22°	25036.0	24502.3	23301.2	22725.1	23279.7	24330.9	25036.0	24502.3	23301.2	22725.1	23279.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	24980.9	24439.2	23301.2	22725.1	23279.7	24330.9	24980.9	24439.2	23301.2	22725.1	23279.7
23°	24913.0	24263.7	23178.2	22405.9	23016.9	24140.7	24913.0	24263.7	23178.2	22405.9	23016.9
23.5°	24802.1	24263.7	23178.2	22405.9	23016.9	24140.7	24802.1	24263.7	23178.2	22405.9	23016.9
24°	24749.7	24088.3	22716.4	21999.2	22681.5	23956.5	24749.7	24088.3	22716.4	21999.2	22681.5
24.5°	24686.5	23975.4	22573.9	21999.2	22529.5	23956.5	24686.5	23975.4	22573.9	21999.2	22529.5
25°	24607.2	23888.7	22392.4	21604.6	22365.5	23738.1	24607.2	23888.7	22392.4	21604.6	22365.5
25.5°	24548.0	23806.0	22237.8	21604.6	22169.3	23738.1	24548.0	23806.0	22237.8	21604.6	22169.3
26°	24485.5	23687.7	22036.8	21160.3	21996.5	23529.0	24485.5	23687.7	22036.8	21160.3	21996.5
26.5°	24433.8	23562.6	21874.2	20700.6	21819.1	23430.9	24433.8	23562.6	21874.2	20700.6	21819.1
27°	24361.9	23473.9	21673.2	20700.6	21618.1	23299.8	24361.9	23473.9	21673.2	20700.6	21618.1
27.5°	24282.5	23369.1	21274.6	20230.1	21230.9	23057.9	24282.5	23369.1	21274.6	20230.1	21230.9
28°	24200.5	23242.7	21274.6	20230.1	21230.9	23057.9	24200.5	23242.7	21274.6	20230.1	21230.9
28.5°	24152.1	23006.1	20853.2	19701.1	20769.8	22803.8	24152.1	23006.1	20853.2	19701.1	20769.8
29°	24003.6	22864.9	20853.2	19701.1	20769.8	22803.8	24003.6	22864.9	20853.2	19701.1	20769.8
29.5°	24003.6	22742.6	20396.8	19235.9	20329.6	22510.0	24003.6	22742.6	20396.8	19235.9	20329.6
30°	23845.6	22618.3	20171.6	19010.8	20085.6	22510.0	23845.6	22618.3	20171.6	19010.8	20085.6
30.5°	23770.4	22473.7	19907.4	18780.2	19814.7	22218.3	23770.4	22473.7	19907.4	18780.2	19814.7
31°	23701.8	22303.7	19656.0	18563.1	19584.1	22027.4	23701.8	22303.7	19656.0	18563.1	19584.1
31.5°	23518.3	22177.3	19383.1	18287.5	19269.6	21892.3	23518.3	22177.3	19383.1	18287.5	19269.6
32°	23518.3	22029.4	19113.6	17791.5	18997.3	21553.6	23518.3	22029.4	19113.6	17791.5	18997.3
32.5°	23426.9	21865.4	18817.9	17791.5	18689.5	21553.6	23426.9	21865.4	18817.9	17791.5	18689.5
33°	23426.9	21538.8	18236.4	17394.9	18069.1	21169.8	23426.9	21538.8	18236.4	17394.9	18069.1
33.5°	23170.1	21538.8	18236.4	17394.9	18069.1	21169.8	23170.1	21538.8	18236.4	17394.9	18069.1
34°	23060.5	21175.1	17651.0	17063.5	17501.1	20756.4	23060.5	21175.1	17651.0	17063.5	17501.1
34.5°	22983.9	20991.0	17339.8	17063.5	17501.1	20756.4	22983.9	20991.0	17339.8	17063.5	17501.1
35°	22889.8	20790.7	17044.0	16607.1	16915.6	20324.2	22889.8	20790.7	17044.0	16607.1	16915.6
35.5°	22794.4	20540.6	16738.2	16607.1	16659.5	20324.2	22794.4	20540.6	16738.2	16607.1	16659.5
36°	22676.1	20361.1	16450.5	16168.2	16354.4	19823.4	22676.1	20361.1	16450.5	16168.2	16354.4
36.5°	22572.6	20123.2	16154.1	15754.1	16110.4	19298.5	22572.6	20123.2	16154.1	15754.1	16110.4
37°	22464.3	19902.1	15945.7	15754.1	15879.2	19298.5	22464.3	19902.1	15945.7	15754.1	15879.2
37.5°	22377.6	19611.0	15707.1	15276.9	15485.3	18709.0	22377.6	19611.0	15707.1	15276.9	15485.3
38°	22260.7	19399.3	15561.9	15276.9	15485.3	18709.0	22260.7	19399.3	15561.9	15276.9	15485.3
38.5°	22140.4	18844.8	15231.2	14932.1	15317.9	18101.3	22140.4	18844.8	15231.2	14932.1	15317.9
39°	21914.5	18844.8	15231.2	14932.1	15155.2	18101.3	21914.5	18844.8	15231.2	14932.1	15155.2
39.5°	21790.2	18241.8	14905.2	14574.5	14983.2	17474.9	21790.2	18241.8	14905.2	14574.5	14983.2
40°	21673.9	17874.8	14768.8	14574.5	14932.8	17474.9	21673.9	17874.8	14768.8	14574.5	14932.8
40.5°	21522.0	17594.5	14731.1	14233.7	14815.8	16820.2	21522.0	17594.5	14731.1	14233.7	14815.8
41°	21406.4	17243.7	14645.8	14233.7	14626.9	16820.2	21406.4	17243.7	14645.8	14233.7	14626.9
41.5°	21263.9	16913.6	14518.0	13843.9	14526.1	16169.5	21263.9	16913.6	14518.0	13843.9	14526.1
42°	21148.9	16518.4	14423.9	13393.5	14352.0	15544.4	21148.9	16518.4	14423.9	13393.5	14352.0
42.5°	20990.3	16181.0	14241.1	13393.5	14181.3	15544.4	20990.3	16181.0	14241.1	13393.5	14181.3
43°	20843.1	15820.7	13887.5	12941.8	13822.3	14929.4	20843.1	15820.7	13887.5	12941.8	13822.3
43.5°	20547.3	15458.4	13887.5	12941.8	13822.3	14929.4	20547.3	15458.4	13887.5	12941.8	13822.3
44°	20547.3	14803.0	13510.5	12479.4	13393.5	14341.9	20547.3	14803.0	13510.5	12479.4	13393.5
44.5°	20217.3	14494.5	13510.5	12479.4	13393.5	14341.9	20217.3	14494.5	13510.5	12479.4	13393.5

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Scaled Data Report

TEST NUMBER: P1594638
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	20019.7	14174.6	13103.1	12158.1	12928.4	13764.5	20019.7	14174.6	13103.1	12158.1	12928.4
45.5°	19870.5	13900.3	12882.0	12158.1	12719.3	13764.5	19870.5	13900.3	12882.0	12158.1	12719.3
46°	19676.2	13566.9	12668.9	11873.1	12505.6	13222.8	19676.2	13566.9	12668.9	11873.1	12505.6
46.5°	19514.9	13304.8	12447.1	11684.9	12310.7	13016.4	19514.9	13304.8	12447.1	11684.9	12310.7
47°	19294.4	12974.1	12236.0	11643.9	12098.9	12681.7	19294.4	12974.1	12236.0	11643.9	12098.9
47.5°	19106.2	12732.8	12023.6	11382.4	11886.5	12168.2	19106.2	12732.8	12023.6	11382.4	11886.5
48°	18877.0	12398.0	11800.5	11382.4	11695.0	12168.2	18877.0	12398.0	11800.5	11382.4	11695.0
48.5°	18704.9	11898.6	11389.1	10936.8	11295.0	11713.1	18704.9	11898.6	11389.1	10936.8	11295.0
49°	18256.6	11898.6	11389.1	10936.8	11295.0	11713.1	18256.6	11898.6	11389.1	10936.8	11295.0
49.5°	17998.5	11456.3	11202.9	10444.1	10903.8	11309.1	17998.5	11456.3	11202.9	10444.1	10903.8
50°	17794.8	11280.9	10811.1	10444.1	10903.8	11309.1	17794.8	11280.9	10811.1	10444.1	10903.8
50.5°	17536.7	11048.3	10591.9	9964.1	10207.5	10932.7	17536.7	11048.3	10591.9	9964.1	10207.5
51°	17306.8	10865.5	10386.9	9964.1	10207.5	10932.7	17306.8	10865.5	10386.9	9964.1	10207.5
51.5°	17025.9	10662.5	10150.3	9549.4	9966.8	10548.9	17025.9	10662.5	10150.3	9549.4	9966.8
52°	16785.9	10304.9	9907.0	9240.9	9966.8	10192.0	16785.9	10304.9	9907.0	9240.9	9966.8
52.5°	16505.0	10304.9	9671.1	9240.9	9762.5	10192.0	16505.0	10304.9	9671.1	9240.9	9762.5
53°	16266.3	10134.2	9446.6	8970.0	9128.6	9872.7	16266.3	10134.2	9446.6	8970.0	9128.6
53.5°	15973.3	10134.2	9233.5	8970.0	9128.6	9872.7	15973.3	10134.2	9233.5	8970.0	9128.6
54°	15697.7	9973.5	8857.8	8691.1	8911.5	9614.6	15697.7	9973.5	8857.8	8691.1	8911.5
54.5°	15130.4	9973.5	8857.8	8691.1	8911.5	9614.6	15130.4	9973.5	8857.8	8691.1	8911.5
55°	14830.6	9813.6	8631.2	8241.4	8771.0	9381.4	14830.6	9813.6	8631.2	8241.4	8771.0
55.5°	14542.2	9660.3	8518.3	8241.4	8694.4	9381.4	14542.2	9660.3	8518.3	8241.4	8694.4
56°	14229.0	9660.3	8433.0	7862.3	8574.1	9082.9	14229.0	9660.3	8433.0	7862.3	8574.1
56.5°	13935.9	9555.5	8348.3	7639.1	8402.0	8931.0	13935.9	9555.5	8348.3	7639.1	8402.0
57°	13630.1	8660.8	8126.4	7467.7	8211.8	8767.7	13630.1	8660.8	8126.4	7467.7	8211.8
57.5°	13339.7	8557.3	8039.1	7032.2	8070.0	8447.7	13339.7	8557.3	8039.1	7032.2	8070.0
58°	13027.2	8387.2	7897.9	7032.2	7768.9	8447.7	13027.2	8387.2	7897.9	7032.2	7768.9
58.5°	12713.3	8253.5	7407.9	6547.5	7229.1	8203.1	12713.3	8253.5	7407.9	6547.5	7229.1
59°	12103.0	8076.7	7407.9	6547.5	7229.1	8203.1	12103.0	8076.7	7407.9	6547.5	7229.1
59.5°	11799.1	7770.9	6856.7	6025.3	6600.0	7910.7	11799.1	7770.9	6856.7	6025.3	6600.0
60°	11479.9	7629.0	6856.7	6025.3	6600.0	7910.7	11479.9	7629.0	6856.7	6025.3	6600.0
60.5°	11174.0	7460.3	6330.4	5547.4	6151.6	7580.0	11174.0	7460.3	6330.4	5547.4	6151.6
61°	10867.5	7129.0	6059.5	5547.4	6005.1	7580.0	10867.5	7129.0	6059.5	5547.4	6005.1
61.5°	10577.8	7129.0	5941.9	5164.2	6005.1	7319.2	10577.8	7129.0	5941.9	5164.2	6005.1
62°	10267.3	6991.2	5690.5	4824.1	5784.6	7051.7	10267.3	6991.2	5690.5	4824.1	5784.6
62.5°	9978.3	6991.2	5496.3	4824.1	5784.6	7051.7	9978.3	6991.2	5496.3	4824.1	5784.6
63°	9663.0	6667.2	5315.5	4465.8	5132.0	6698.8	9663.0	6667.2	5315.5	4465.8	5132.0
63.5°	9382.0	6667.2	4955.2	4465.8	4935.0	6698.8	9382.0	6667.2	4955.2	4465.8	4935.0
64°	9087.0	6376.1	4712.5	4039.0	4773.7	6360.7	9087.0	6376.1	4712.5	4039.0	4773.7
64.5°	8506.2	6249.1	4712.5	4039.0	4585.5	6360.7	8506.2	6249.1	4712.5	4039.0	4585.5
65°	8230.6	6061.6	4241.3	3534.9	4381.8	6005.8	8230.6	6061.6	4241.3	3534.9	4381.8
65.5°	7945.0	5761.1	4049.8	3534.9	4176.8	6005.8	7945.0	5761.1	4049.8	3534.9	4176.8
66°	7681.5	5761.1	3862.2	3036.8	3917.4	5670.4	7681.5	5761.1	3862.2	3036.8	3917.4
66.5°	7397.1	5385.4	3673.4	3036.8	3456.3	5670.4	7397.1	5385.4	3673.4	3036.8	3456.3
67°	7133.0	5385.4	3440.8	2627.5	3456.3	5310.1	7133.0	5385.4	3440.8	2627.5	3456.3

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	6851.4	5051.3	3235.1	2293.4	3020.0	4904.8	6851.4	5051.3	3235.1	2293.4	3020.0
68°	6597.3	5051.3	3036.2	2293.4	3020.0	4904.8	6597.3	5051.3	3036.2	2293.4	3020.0
68.5°	6324.4	4711.2	2792.8	1968.1	2636.9	4447.0	6324.4	4711.2	2792.8	1968.1	2636.9
69°	6075.0	4549.2	2625.5	1968.1	2395.6	4447.0	6075.0	4549.2	2625.5	1968.1	2395.6
69.5°	5794.7	4357.6	2257.1	1646.1	2200.0	4034.3	5794.7	4357.6	2257.1	1646.1	2200.0
70°	5283.2	4178.8	2257.1	1646.1	1984.2	4034.3	5283.2	4178.8	2257.1	1646.1	1984.2
70.5°	5047.9	3964.4	1918.4	1369.2	1796.7	3692.9	5047.9	3964.4	1918.4	1369.2	1796.7
71°	4783.1	3547.7	1693.8	1369.2	1449.9	3692.9	4783.1	3547.7	1693.8	1369.2	1449.9
71.5°	4555.9	3547.7	1600.4	1156.8	1449.9	3334.6	4555.9	3547.7	1600.4	1156.8	1449.9
72°	4305.2	3141.0	1386.0	1027.7	1168.9	2984.4	4305.2	3141.0	1386.0	1027.7	1168.9
72.5°	4092.1	3141.0	1308.0	994.1	1168.9	2984.4	4092.1	3141.0	1308.0	994.1	1168.9
73°	3848.8	2754.5	1133.9	851.6	1001.5	2843.9	3848.8	2754.5	1133.9	851.6	1001.5
73.5°	3641.1	2754.5	1064.0	851.6	925.6	2503.1	3641.1	2754.5	1064.0	851.6	925.6
74°	3400.5	2378.1	869.8	702.4	849.6	2368.0	3400.5	2378.1	869.8	702.4	849.6
74.5°	2985.1	2161.0	869.8	702.4	766.3	2138.8	2985.1	2161.0	869.8	702.4	766.3
75°	2804.9	2005.7	747.4	551.2	688.3	1999.0	2804.9	2005.7	747.4	551.2	688.3
75.5°	2587.2	1687.8	747.4	551.2	637.9	1775.9	2587.2	1687.8	747.4	551.2	637.9
76°	2418.4	1687.8	634.5	430.9	582.1	1662.9	2418.4	1687.8	634.5	430.9	582.1
76.5°	2212.1	1405.5	550.5	430.9	463.1	1463.3	2212.1	1405.5	550.5	430.9	463.1
77°	2061.5	1405.5	504.8	372.4	463.1	1389.4	2061.5	1405.5	504.8	372.4	463.1
77.5°	1868.6	1134.6	449.7	338.1	426.2	1164.2	1868.6	1134.6	449.7	338.1	426.2
78°	1732.2	998.8	408.7	338.1	376.4	1014.3	1732.2	998.8	408.7	338.1	376.4
78.5°	1550.0	870.5	369.7	281.6	376.4	978.7	1550.0	870.5	369.7	281.6	376.4
79°	1433.7	870.5	350.9	281.6	327.3	830.8	1433.7	870.5	350.9	281.6	327.3
79.5°	1265.0	647.3	304.5	234.6	281.6	805.3	1265.0	647.3	304.5	234.6	281.6
80°	1013.6	539.7	304.5	234.6	212.4	665.4	1013.6	539.7	304.5	234.6	212.4
80.5°	933.6	477.2	240.6	188.9	192.2	504.1	933.6	477.2	240.6	188.9	192.2
81°	796.5	356.9	191.6	188.9	184.2	504.1	796.5	356.9	191.6	188.9	184.2
81.5°	733.3	356.9	180.1	158.0	176.8	484.6	733.3	356.9	180.1	158.0	176.8
82°	611.0	278.9	156.6	158.0	147.2	371.7	611.0	278.9	156.6	158.0	147.2
82.5°	561.3	278.9	148.5	137.8	147.2	354.2	561.3	278.9	148.5	137.8	147.2
83°	458.4	215.8	138.5	112.3	118.3	262.8	458.4	215.8	138.5	112.3	118.3
83.5°	422.1	215.8	126.4	112.3	118.3	208.4	422.1	215.8	126.4	112.3	118.3
84°	338.1	162.7	112.3	92.1	101.5	196.9	338.1	162.7	112.3	92.1	101.5
84.5°	311.9	135.8	96.8	92.1	92.1	160.0	311.9	135.8	96.8	92.1	92.1
85°	243.3	118.3	76.0	79.3	82.0	149.9	243.3	118.3	76.0	79.3	82.0
85.5°	171.4	99.5	76.0	79.3	66.5	123.7	171.4	99.5	76.0	79.3	66.5
86°	157.3	83.3	63.2	65.9	48.4	120.3	157.3	83.3	63.2	65.9	48.4
86.5°	117.6	54.4	54.4	65.9	31.6	93.4	117.6	54.4	54.4	65.9	31.6
87°	100.2	54.4	48.4	49.1	31.6	88.7	100.2	54.4	48.4	49.1	31.6
87.5°	71.9	28.9	32.9	31.6	27.6	67.2	71.9	28.9	32.9	31.6	27.6
88°	60.5	28.9	28.9	29.6	27.6	49.1	60.5	28.9	28.9	29.6	27.6
88.5°	40.3	14.8	15.5	19.5	17.5	49.1	40.3	14.8	15.5	19.5	17.5
89°	40.3	14.8	10.8	19.5	10.8	35.6	40.3	14.8	10.8	19.5	10.8
89.5°	25.5	6.0	10.8	18.1	4.7	35.6	25.5	6.0	10.8	18.1	4.7

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TEST NUMBER: P1594638
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	12.1	1.3	10.8	18.1	2.0	20.8	12.1	1.3	10.8	18.1	2.0
90.5°	12.1	1.3	10.8	13.4	0.7	20.8	12.1	1.3	10.8	13.4	0.7
91°	2.7	1.3	10.8	13.4	0.7	10.1	2.7	1.3	10.8	13.4	0.7
91.5°	2.7	1.3	3.4	6.7	0.7	10.1	2.7	1.3	3.4	6.7	0.7
92°	0.7	0.7	0.7	6.7	0.7	6.7	0.7	0.7	0.7	6.7	0.7
92.5°	0.7	0.7	0.7	2.0	0.7	6.7	0.7	0.7	0.7	2.0	0.7
93°	0.7	0.7	0.7	1.3	0.7	1.3	0.7	0.7	0.7	1.3	0.7
93.5°	0.7	0.7	0.7	1.3	0.7	0.7	0.7	0.7	0.7	1.3	0.7
94°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	0.0
94.5°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	0.0
95°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	0.0
95.5°	0.7	0.7	0.7	1.3	0.0	0.7	0.7	0.7	0.7	1.3	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°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
100°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
100.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
101°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
101.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
102°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
102.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
103°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
103.5°	1.3	0.7	0.7	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0
104°	1.3	0.7	0.7	0.7	0.0	0.7	1.3	0.7	0.7	0.7	0.0
104.5°	1.3	0.7	0.7	0.7	0.7	0.7	1.3	0.7	0.7	0.7	0.7
105°	2.0	1.3	1.3	0.7	0.7	0.7	2.0	1.3	1.3	0.7	0.7
105.5°	2.0	2.0	1.3	0.7	0.7	0.7	2.0	2.0	1.3	0.7	0.7
106°	2.0	2.0	0.7	0.7	0.7	1.3	2.0	2.0	0.7	0.7	0.7
106.5°	2.0	2.0	0.7	0.7	0.7	1.3	2.0	2.0	0.7	0.7	0.7
107°	2.0	2.0	1.3	0.7	0.7	1.3	2.0	2.0	1.3	0.7	0.7
107.5°	2.0	2.0	1.3	0.7	1.3	1.3	2.0	2.0	1.3	0.7	1.3
108°	2.7	2.0	1.3	0.7	1.3	1.3	2.7	2.0	1.3	0.7	1.3
108.5°	2.7	2.0	1.3	1.3	1.3	2.0	2.7	2.0	1.3	1.3	1.3
109°	2.7	2.0	1.3	1.3	1.3	2.0	2.7	2.0	1.3	1.3	1.3
109.5°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
110°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
110.5°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
111°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
111.5°	3.4	2.0	1.3	1.3	1.3	2.0	3.4	2.0	1.3	1.3	1.3
112°	3.4	2.7	1.3	1.3	1.3	2.0	3.4	2.7	1.3	1.3	1.3

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TEST NUMBER: P1594638
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
112.5°	3.4	2.7	2.0	1.3	1.3	2.7	3.4	2.7	2.0	1.3	1.3
113°	3.4	3.4	2.0	1.3	1.3	2.7	3.4	3.4	2.0	1.3	1.3
113.5°	3.4	3.4	2.0	1.3	1.3	2.7	3.4	3.4	2.0	1.3	1.3
114°	4.0	3.4	2.0	2.7	2.0	2.7	4.0	3.4	2.0	2.7	2.0
114.5°	4.0	3.4	2.7	2.7	2.0	2.7	4.0	3.4	2.7	2.7	2.0
115°	4.7	3.4	2.7	2.7	2.0	2.7	4.7	3.4	2.7	2.7	2.0
115.5°	4.7	3.4	2.7	2.7	2.7	2.7	4.7	3.4	2.7	2.7	2.7
116°	4.7	3.4	2.7	2.7	2.7	3.4	4.7	3.4	2.7	2.7	2.7
116.5°	4.7	4.0	2.7	2.7	2.7	3.4	4.7	4.0	2.7	2.7	2.7
117°	4.7	4.0	3.4	2.7	2.7	4.0	4.7	4.0	3.4	2.7	2.7
117.5°	4.7	4.0	3.4	2.7	2.7	4.0	4.7	4.0	3.4	2.7	2.7
118°	5.4	4.0	3.4	2.7	2.7	4.0	5.4	4.0	3.4	2.7	2.7
118.5°	5.4	4.7	3.4	2.7	2.7	4.0	5.4	4.7	3.4	2.7	2.7
119°	5.4	4.7	3.4	2.7	2.7	4.0	5.4	4.7	3.4	2.7	2.7
119.5°	6.0	4.7	3.4	2.7	3.4	4.0	6.0	4.7	3.4	2.7	3.4
120°	6.0	4.7	3.4	4.0	3.4	4.0	6.0	4.7	3.4	4.0	3.4
120.5°	6.0	4.7	3.4	4.0	3.4	4.0	6.0	4.7	3.4	4.0	3.4
121°	6.0	4.7	4.0	4.0	3.4	4.0	6.0	4.7	4.0	4.0	3.4
121.5°	6.7	4.7	4.0	4.0	3.4	4.7	6.7	4.7	4.0	4.0	3.4
122°	6.7	6.0	4.0	4.0	4.0	4.7	6.7	6.0	4.0	4.0	4.0
122.5°	6.0	6.0	4.7	4.0	4.0	5.4	6.0	6.0	4.7	4.0	4.0
123°	6.0	6.0	4.7	4.0	4.0	5.4	6.0	6.0	4.7	4.0	4.0
123.5°	6.7	6.0	4.7	4.0	4.0	5.4	6.7	6.0	4.7	4.0	4.0
124°	6.7	6.0	4.7	4.0	4.7	5.4	6.7	6.0	4.7	4.0	4.7
124.5°	6.7	6.0	4.7	4.0	4.7	5.4	6.7	6.0	4.7	4.0	4.7
125°	7.4	6.0	4.7	4.0	4.7	5.4	7.4	6.0	4.7	4.0	4.7
125.5°	7.4	6.0	4.7	4.7	4.7	5.4	7.4	6.0	4.7	4.7	4.7
126°	7.4	6.7	5.4	4.7	4.7	6.7	7.4	6.7	5.4	4.7	4.7
126.5°	7.4	6.7	5.4	5.4	4.7	6.7	7.4	6.7	5.4	5.4	4.7
127°	7.4	6.7	6.0	5.4	4.7	6.7	7.4	6.7	6.0	5.4	4.7
127.5°	7.4	7.4	6.0	5.4	5.4	6.7	7.4	7.4	6.0	5.4	5.4
128°	8.1	7.4	6.0	5.4	5.4	6.7	8.1	7.4	6.0	5.4	5.4
128.5°	8.1	7.4	6.0	5.4	6.0	6.7	8.1	7.4	6.0	5.4	6.0
129°	8.1	7.4	6.0	5.4	6.0	6.7	8.1	7.4	6.0	5.4	6.0
129.5°	8.7	7.4	6.0	5.4	6.0	7.4	8.7	7.4	6.0	5.4	6.0
130°	8.7	7.4	6.0	5.4	6.0	7.4	8.7	7.4	6.0	5.4	6.0
130.5°	8.7	8.1	6.0	5.4	6.0	7.4	8.7	8.1	6.0	5.4	6.0
131°	8.7	8.1	6.0	6.7	6.0	7.4	8.7	8.1	6.0	6.7	6.0
131.5°	8.7	8.1	6.0	6.7	6.0	8.1	8.7	8.1	6.0	6.7	6.0
132°	8.7	8.7	6.7	6.7	6.7	8.1	8.7	8.7	6.7	6.7	6.7
132.5°	9.4	8.7	7.4	6.7	7.4	8.1	9.4	8.7	7.4	6.7	7.4
133°	9.4	8.7	7.4	6.7	6.7	8.1	9.4	8.7	7.4	6.7	6.7
133.5°	9.4	8.7	7.4	6.7	6.7	8.1	9.4	8.7	7.4	6.7	6.7
134°	9.4	8.7	7.4	6.7	7.4	8.1	9.4	8.7	7.4	6.7	7.4
134.5°	9.4	8.7	7.4	6.7	7.4	8.1	9.4	8.7	7.4	6.7	7.4

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	9.4	8.7	7.4	6.7	7.4	8.7	9.4	8.7	7.4	6.7	7.4
135.5°	10.1	8.7	7.4	7.4	7.4	8.7	10.1	8.7	7.4	7.4	7.4
136°	10.1	8.7	7.4	8.1	7.4	8.7	10.1	8.7	7.4	8.1	7.4
136.5°	10.1	8.7	8.7	8.1	7.4	8.7	10.1	8.7	8.7	8.1	7.4
137°	10.1	9.4	8.7	8.1	7.4	9.4	10.1	9.4	8.7	8.1	7.4
137.5°	10.1	10.1	8.1	8.1	7.4	9.4	10.1	10.1	8.1	8.1	7.4
138°	10.1	10.1	8.7	8.1	8.1	9.4	10.1	10.1	8.7	8.1	8.1
138.5°	10.1	10.1	8.7	8.1	8.7	9.4	10.1	10.1	8.7	8.1	8.7
139°	10.8	10.1	8.7	8.1	8.7	9.4	10.8	10.1	8.7	8.1	8.7
139.5°	10.8	10.1	8.7	8.1	8.7	10.1	10.8	10.1	8.7	8.1	8.7
140°	10.8	10.1	8.7	8.1	8.7	10.1	10.8	10.1	8.7	8.1	8.7
140.5°	10.8	10.8	8.7	8.7	8.7	10.1	10.8	10.8	8.7	8.7	8.7
141°	10.8	10.8	8.7	9.4	8.7	10.1	10.8	10.8	8.7	9.4	8.7
141.5°	11.4	10.8	9.4	9.4	8.7	10.1	11.4	10.8	9.4	9.4	8.7
142°	11.4	10.8	10.1	9.4	8.7	10.1	11.4	10.8	10.1	9.4	8.7
142.5°	11.4	10.8	10.1	9.4	9.4	10.8	11.4	10.8	10.1	9.4	9.4
143°	11.4	11.4	10.1	9.4	10.1	10.8	11.4	11.4	10.1	9.4	10.1
143.5°	11.4	11.4	10.1	9.4	10.1	10.8	11.4	11.4	10.1	9.4	10.1
144°	11.4	11.4	10.1	9.4	10.1	10.8	11.4	11.4	10.1	9.4	10.1
144.5°	12.1	11.4	10.1	9.4	10.1	10.8	12.1	11.4	10.1	9.4	10.1
145°	12.1	12.1	10.1	10.1	10.1	11.4	12.1	12.1	10.1	10.1	10.1
145.5°	12.1	12.1	10.1	10.8	10.1	11.4	12.1	12.1	10.1	10.8	10.1
146°	12.8	12.1	10.8	10.8	10.1	11.4	12.8	12.1	10.8	10.8	10.1
146.5°	12.1	12.1	10.8	10.8	10.1	11.4	12.1	12.1	10.8	10.8	10.1
147°	12.1	12.1	10.8	10.8	10.8	11.4	12.1	12.1	10.8	10.8	10.8
147.5°	12.8	12.1	11.4	10.8	10.8	11.4	12.8	12.1	11.4	10.8	10.8
148°	12.8	12.1	11.4	10.8	10.8	11.4	12.8	12.1	11.4	10.8	10.8
148.5°	12.8	12.1	11.4	10.8	10.8	11.4	12.8	12.1	11.4	10.8	10.8
149°	12.8	12.1	11.4	10.8	10.8	12.1	12.8	12.1	11.4	10.8	10.8
149.5°	12.8	12.1	11.4	10.8	11.4	12.1	12.8	12.1	11.4	10.8	11.4
150°	12.8	12.1	11.4	11.4	11.4	12.8	12.8	12.1	11.4	11.4	11.4
150.5°	12.8	12.8	11.4	12.1	11.4	12.8	12.8	12.8	11.4	12.1	11.4
151°	13.4	12.8	11.4	12.1	11.4	12.8	13.4	12.8	11.4	12.1	11.4
151.5°	13.4	12.8	12.1	12.1	11.4	12.8	13.4	12.8	12.1	12.1	11.4
152°	13.4	12.8	12.1	12.1	11.4	12.8	13.4	12.8	12.1	12.1	11.4
152.5°	13.4	13.4	12.1	12.1	12.1	12.8	13.4	13.4	12.1	12.1	12.1
153°	14.1	13.4	12.8	12.1	12.1	12.8	14.1	13.4	12.8	12.1	12.1
153.5°	14.1	13.4	12.8	12.1	12.1	12.8	14.1	13.4	12.8	12.1	12.1
154°	14.1	13.4	12.8	12.1	12.1	12.8	14.1	13.4	12.8	12.1	12.1
154.5°	14.1	13.4	12.8	13.4	12.1	13.4	14.1	13.4	12.8	13.4	12.1
155°	14.1	13.4	12.8	13.4	12.8	13.4	14.1	13.4	12.8	13.4	12.8
155.5°	14.1	13.4	12.8	13.4	12.8	13.4	14.1	13.4	12.8	13.4	12.8
156°	14.1	13.4	12.8	13.4	12.8	13.4	14.1	13.4	12.8	13.4	12.8
156.5°	14.1	13.4	12.8	13.4	12.8	13.4	14.1	13.4	12.8	13.4	12.8
157°	14.1	13.4	12.8	13.4	12.8	13.4	14.1	13.4	12.8	13.4	12.8

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TEST NUMBER: P1594638
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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
157.5°	14.1	14.1	13.4	13.4	12.8	13.4	14.1	14.1	13.4	13.4	12.8
158°	14.1	14.1	13.4	13.4	12.8	13.4	14.1	14.1	13.4	13.4	12.8
158.5°	14.1	14.1	13.4	13.4	12.8	13.4	14.1	14.1	13.4	13.4	12.8
159°	14.1	14.1	14.1	13.4	12.8	13.4	14.1	14.1	14.1	13.4	12.8
159.5°	14.1	14.8	14.1	13.4	12.8	14.1	14.1	14.8	14.1	13.4	12.8
160°	14.1	14.8	14.1	14.1	12.8	14.1	14.1	14.8	14.1	14.1	12.8
160.5°	14.1	14.8	14.1	14.8	14.1	14.8	14.1	14.8	14.1	14.8	14.1
161°	14.1	14.8	14.1	14.1	14.1	14.8	14.1	14.8	14.1	14.1	14.1
161.5°	14.1	14.8	14.1	14.1	14.1	14.8	14.1	14.8	14.1	14.1	14.1
162°	14.1	14.8	14.1	14.8	14.1	14.8	14.1	14.8	14.1	14.8	14.1
162.5°	14.1	14.8	14.1	14.8	14.1	14.8	14.1	14.8	14.1	14.8	14.1
163°	14.8	14.8	14.1	14.8	14.1	14.8	14.8	14.8	14.1	14.8	14.1
163.5°	14.8	14.8	14.8	14.8	14.1	14.8	14.8	14.8	14.8	14.8	14.1
164°	14.8	14.8	14.8	14.8	14.1	14.8	14.8	14.8	14.8	14.8	14.1
164.5°	14.8	14.8	15.5	14.8	14.1	14.8	14.8	14.8	15.5	14.8	14.1
165°	14.8	14.8	15.5	15.5	14.8	14.8	14.8	14.8	15.5	15.5	14.8
165.5°	15.5	14.8	15.5	15.5	14.8	14.8	15.5	14.8	15.5	15.5	14.8
166°	15.5	14.8	15.5	15.5	14.8	14.8	15.5	14.8	15.5	15.5	14.8
166.5°	15.5	14.8	15.5	15.5	14.8	14.8	15.5	14.8	15.5	15.5	14.8
167°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
167.5°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
168°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
168.5°	15.5	15.5	15.5	15.5	14.8	14.8	15.5	15.5	15.5	15.5	14.8
169°	15.5	15.5	15.5	15.5	15.5	14.8	15.5	15.5	15.5	15.5	15.5
169.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
170°	15.5	15.5	15.5	16.1	15.5	15.5	15.5	15.5	15.5	16.1	15.5
170.5°	15.5	16.1	16.1	16.1	15.5	14.8	15.5	16.1	16.1	16.1	15.5
171°	15.5	16.1	16.1	16.1	15.5	14.8	15.5	16.1	16.1	16.1	15.5
171.5°	15.5	16.1	15.5	16.1	15.5	15.5	15.5	16.1	15.5	16.1	15.5
172°	15.5	16.1	15.5	16.1	15.5	16.1	15.5	16.1	15.5	16.1	15.5
172.5°	15.5	16.1	16.1	16.1	15.5	16.1	15.5	16.1	16.1	16.1	15.5
173°	15.5	16.1	16.1	16.1	15.5	16.1	15.5	16.1	16.1	16.1	15.5
173.5°	15.5	16.1	15.5	16.1	15.5	15.5	15.5	16.1	15.5	16.1	15.5
174°	15.5	16.1	16.1	16.1	16.1	15.5	15.5	16.1	16.1	16.1	16.1
174.5°	15.5	16.1	16.1	16.1	16.1	15.5	15.5	16.1	16.1	16.1	16.1
175°	15.5	15.5	16.1	16.1	16.1	16.1	15.5	15.5	16.1	16.1	16.1
175.5°	15.5	15.5	16.1	16.1	16.1	16.1	15.5	15.5	16.1	16.1	16.1
176°	15.5	16.1	16.1	16.1	16.1	16.1	15.5	16.1	16.1	16.1	16.1
176.5°	15.5	16.1	16.1	16.1	16.1	16.1	15.5	16.1	16.1	16.1	16.1
177°	15.5	16.1	16.1	16.1	16.1	16.1	15.5	16.1	16.1	16.1	16.1
177.5°	15.5	16.1	16.1	16.8	16.1	16.1	15.5	16.1	16.1	16.8	16.1
178°	15.5	16.1	16.1	17.5	16.1	16.1	15.5	16.1	16.1	17.5	16.1
178.5°	16.1	16.1	16.1	16.8	16.1	16.1	16.1	16.1	16.1	16.8	16.1
179°	16.1	16.1	16.1	16.8	16.1	16.1	16.1	16.1	16.1	16.8	16.1
179.5°	15.5	16.1	16.1	17.5	16.1	16.1	15.5	16.1	16.1	17.5	16.1

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	16.2	*16.2*	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2

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CANDELA DISTRIBUTION (continued):

	330°	360°
0°	26283.5	26283.5
0.5°	26283.5	26283.5
1°	*26266.1*	*26266.1*
1.5°	26266.1	26257.4
2°	26263.4	26274.8
2.5°	26252.6	26260.0
3°	26235.8	26235.8
3.5°	26235.8	26242.6
4°	26216.4	26243.2
4.5°	26216.4	26239.9
5°	26180.7	26215.0
5.5°	26145.1	26196.9
6°	26145.1	26185.4
6.5°	26108.8	26192.8
7°	26108.8	26180.0
7.5°	26057.0	26151.1
8°	26057.0	26116.9
8.5°	26012.7	26108.1
9°	26012.7	26086.6
9.5°	25935.4	26047.0
10°	25935.4	26026.1
10.5°	25873.5	26004.6
11°	25796.9	25996.6
11.5°	25796.9	25964.3
12°	25718.3	25925.3
12.5°	25718.3	25885.0
13°	25639.0	25875.6
13.5°	25639.0	25811.7
14°	25532.1	25759.3
14.5°	25532.1	25735.1
15°	25426.6	25705.5
15.5°	25361.4	25677.9
16°	25317.0	25628.9
16.5°	25198.0	25581.8
17°	25198.0	25534.1
17.5°	25083.1	25516.0
18°	25083.1	25419.8
18.5°	24944.6	25358.7
19°	24944.6	25327.8
19.5°	24814.9	25288.1
20°	24814.9	25243.1
20.5°	24651.6	25177.2
21°	24494.9	25123.4
21.5°	24494.9	25071.0
22°	24330.9	25036.0

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CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	24330.9	24980.9
23°	24140.7	24913.0
23.5°	24140.7	24802.1
24°	23956.5	24749.7
24.5°	23956.5	24686.5
25°	23738.1	24607.2
25.5°	23738.1	24548.0
26°	23529.0	24485.5
26.5°	23430.9	24433.8
27°	23299.8	24361.9
27.5°	23057.9	24282.5
28°	23057.9	24200.5
28.5°	22803.8	24152.1
29°	22803.8	24003.6
29.5°	22510.0	24003.6
30°	22510.0	23845.6
30.5°	22218.3	23770.4
31°	22027.4	23701.8
31.5°	21892.3	23518.3
32°	21553.6	23518.3
32.5°	21553.6	23426.9
33°	21169.8	23426.9
33.5°	21169.8	23170.1
34°	20756.4	23060.5
34.5°	20756.4	22983.9
35°	20324.2	22889.8
35.5°	20324.2	22794.4
36°	19823.4	22676.1
36.5°	19298.5	22572.6
37°	19298.5	22464.3
37.5°	18709.0	22377.6
38°	18709.0	22260.7
38.5°	18101.3	22140.4
39°	18101.3	21914.5
39.5°	17474.9	21790.2
40°	17474.9	21673.9
40.5°	16820.2	21522.0
41°	16820.2	21406.4
41.5°	16169.5	21263.9
42°	15544.4	21148.9
42.5°	15544.4	20990.3
43°	14929.4	20843.1
43.5°	14929.4	20547.3
44°	14341.9	20547.3
44.5°	14341.9	20217.3

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

Scaled Data Report

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	13764.5	20019.7
45.5°	13764.5	19870.5
46°	13222.8	19676.2
46.5°	13016.4	19514.9
47°	12681.7	19294.4
47.5°	12168.2	19106.2
48°	12168.2	18877.0
48.5°	11713.1	18704.9
49°	11713.1	18256.6
49.5°	11309.1	17998.5
50°	11309.1	17794.8
50.5°	10932.7	17536.7
51°	10932.7	17306.8
51.5°	10548.9	17025.9
52°	10192.0	16785.9
52.5°	10192.0	16505.0
53°	9872.7	16266.3
53.5°	9872.7	15973.3
54°	9614.6	15697.7
54.5°	9614.6	15130.4
55°	9381.4	14830.6
55.5°	9381.4	14542.2
56°	9082.9	14229.0
56.5°	8931.0	13935.9
57°	8767.7	13630.1
57.5°	8447.7	13339.7
58°	8447.7	13027.2
58.5°	8203.1	12713.3
59°	8203.1	12103.0
59.5°	7910.7	11799.1
60°	7910.7	11479.9
60.5°	7580.0	11174.0
61°	7580.0	10867.5
61.5°	7319.2	10577.8
62°	7051.7	10267.3
62.5°	7051.7	9978.3
63°	6698.8	9663.0
63.5°	6698.8	9382.0
64°	6360.7	9087.0
64.5°	6360.7	8506.2
65°	6005.8	8230.6
65.5°	6005.8	7945.0
66°	5670.4	7681.5
66.5°	5670.4	7397.1
67°	5310.1	7133.0

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

Scaled Data Report

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	4904.8	6851.4
68°	4904.8	6597.3
68.5°	4447.0	6324.4
69°	4447.0	6075.0
69.5°	4034.3	5794.7
70°	4034.3	5283.2
70.5°	3692.9	5047.9
71°	3692.9	4783.1
71.5°	3334.6	4555.9
72°	2984.4	4305.2
72.5°	2984.4	4092.1
73°	2843.9	3848.8
73.5°	2503.1	3641.1
74°	2368.0	3400.5
74.5°	2138.8	2985.1
75°	1999.0	2804.9
75.5°	1775.9	2587.2
76°	1662.9	2418.4
76.5°	1463.3	2212.1
77°	1389.4	2061.5
77.5°	1164.2	1868.6
78°	1014.3	1732.2
78.5°	978.7	1550.0
79°	830.8	1433.7
79.5°	805.3	1265.0
80°	665.4	1013.6
80.5°	504.1	933.6
81°	504.1	796.5
81.5°	484.6	733.3
82°	371.7	611.0
82.5°	354.2	561.3
83°	262.8	458.4
83.5°	208.4	422.1
84°	196.9	338.1
84.5°	160.0	311.9
85°	149.9	243.3
85.5°	123.7	171.4
86°	120.3	157.3
86.5°	93.4	117.6
87°	88.7	100.2
87.5°	67.2	71.9
88°	49.1	60.5
88.5°	49.1	40.3
89°	35.6	40.3
89.5°	35.6	25.5

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

Scaled Data Report

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	20.8	12.1
90.5°	20.8	12.1
91°	10.1	2.7
91.5°	10.1	2.7
92°	6.7	0.7
92.5°	6.7	0.7
93°	1.3	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	1.3
100°	0.7	1.3
100.5°	0.7	1.3
101°	0.7	1.3
101.5°	0.7	1.3
102°	0.7	1.3
102.5°	0.7	1.3
103°	0.7	1.3
103.5°	0.7	1.3
104°	0.7	1.3
104.5°	0.7	1.3
105°	0.7	2.0
105.5°	0.7	2.0
106°	1.3	2.0
106.5°	1.3	2.0
107°	1.3	2.0
107.5°	1.3	2.0
108°	1.3	2.7
108.5°	2.0	2.7
109°	2.0	2.7
109.5°	2.0	3.4
110°	2.0	3.4
110.5°	2.0	3.4
111°	2.0	3.4
111.5°	2.0	3.4
112°	2.0	3.4

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
112.5°	2.7	3.4
113°	2.7	3.4
113.5°	2.7	3.4
114°	2.7	4.0
114.5°	2.7	4.0
115°	2.7	4.7
115.5°	2.7	4.7
116°	3.4	4.7
116.5°	3.4	4.7
117°	4.0	4.7
117.5°	4.0	4.7
118°	4.0	5.4
118.5°	4.0	5.4
119°	4.0	5.4
119.5°	4.0	6.0
120°	4.0	6.0
120.5°	4.0	6.0
121°	4.0	6.0
121.5°	4.7	6.7
122°	4.7	6.7
122.5°	5.4	6.0
123°	5.4	6.0
123.5°	5.4	6.7
124°	5.4	6.7
124.5°	5.4	6.7
125°	5.4	7.4
125.5°	5.4	7.4
126°	6.7	7.4
126.5°	6.7	7.4
127°	6.7	7.4
127.5°	6.7	7.4
128°	6.7	8.1
128.5°	6.7	8.1
129°	6.7	8.1
129.5°	7.4	8.7
130°	7.4	8.7
130.5°	7.4	8.7
131°	7.4	8.7
131.5°	8.1	8.7
132°	8.1	8.7
132.5°	8.1	9.4
133°	8.1	9.4
133.5°	8.1	9.4
134°	8.1	9.4
134.5°	8.1	9.4

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

Scaled Data Report

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	8.7	9.4
135.5°	8.7	10.1
136°	8.7	10.1
136.5°	8.7	10.1
137°	9.4	10.1
137.5°	9.4	10.1
138°	9.4	10.1
138.5°	9.4	10.1
139°	9.4	10.8
139.5°	10.1	10.8
140°	10.1	10.8
140.5°	10.1	10.8
141°	10.1	10.8
141.5°	10.1	11.4
142°	10.1	11.4
142.5°	10.8	11.4
143°	10.8	11.4
143.5°	10.8	11.4
144°	10.8	11.4
144.5°	10.8	12.1
145°	11.4	12.1
145.5°	11.4	12.1
146°	11.4	12.8
146.5°	11.4	12.1
147°	11.4	12.1
147.5°	11.4	12.8
148°	11.4	12.8
148.5°	11.4	12.8
149°	12.1	12.8
149.5°	12.1	12.8
150°	12.8	12.8
150.5°	12.8	12.8
151°	12.8	13.4
151.5°	12.8	13.4
152°	12.8	13.4
152.5°	12.8	13.4
153°	12.8	14.1
153.5°	12.8	14.1
154°	12.8	14.1
154.5°	13.4	14.1
155°	13.4	14.1
155.5°	13.4	14.1
156°	13.4	14.1
156.5°	13.4	14.1
157°	13.4	14.1

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
157.5°	13.4	14.1
158°	13.4	14.1
158.5°	13.4	14.1
159°	13.4	14.1
159.5°	14.1	14.1
160°	14.1	14.1
160.5°	14.8	14.1
161°	14.8	14.1
161.5°	14.8	14.1
162°	14.8	14.1
162.5°	14.8	14.1
163°	14.8	14.8
163.5°	14.8	14.8
164°	14.8	14.8
164.5°	14.8	14.8
165°	14.8	14.8
165.5°	14.8	15.5
166°	14.8	15.5
166.5°	14.8	15.5
167°	14.8	15.5
167.5°	14.8	15.5
168°	14.8	15.5
168.5°	14.8	15.5
169°	14.8	15.5
169.5°	15.5	15.5
170°	15.5	15.5
170.5°	14.8	15.5
171°	14.8	15.5
171.5°	15.5	15.5
172°	16.1	15.5
172.5°	16.1	15.5
173°	16.1	15.5
173.5°	15.5	15.5
174°	15.5	15.5
174.5°	15.5	15.5
175°	16.1	15.5
175.5°	16.1	15.5
176°	16.1	15.5
176.5°	16.1	15.5
177°	16.1	15.5
177.5°	16.1	15.5
178°	16.1	15.5
178.5°	16.1	16.1
179°	16.1	16.1
179.5°	16.1	15.5

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	16.2	16.2

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

Scaled Data Report

TEST NUMBER: P1594638
CATALOG NUMBER: FLXB-4860-M-HI-3000K

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	28.3	29.8	28.7	30.1	30.4	26.2	27.7	26.6	28.0	28.3
	3H	29.8	31.1	30.1	31.4	31.8	26.6	27.9	27.0	28.3	28.6
	4H	30.1	31.3	30.5	31.7	32.1	26.6	27.9	27.0	28.2	28.6
	6H	30.2	31.3	30.6	31.7	32.1	26.6	27.7	27.0	28.1	28.5
	8H	30.2	31.3	30.6	31.7	32.1	26.5	27.6	27.0	28.0	28.4
	12H	30.1	31.2	30.6	31.6	32.0	26.5	27.5	26.9	27.9	28.4
4H	2H	28.5	29.8	28.9	30.1	30.5	26.7	28.0	27.1	28.3	28.7
	3H	30.1	31.1	30.5	31.5	31.9	27.2	28.2	27.6	28.6	29.0
	4H	30.5	31.4	30.9	31.8	32.3	27.2	28.1	27.6	28.5	29.0
	6H	30.6	31.4	31.1	31.9	32.3	27.2	28.0	27.6	28.4	28.9
	8H	30.6	31.4	31.1	31.8	32.3	27.1	27.9	27.6	28.3	28.8
	12H	30.6	31.3	31.1	31.7	32.2	27.1	27.7	27.6	28.2	28.7
8H	4H	30.4	31.2	30.9	31.6	32.1	27.3	28.0	27.8	28.5	29.0
	6H	30.6	31.2	31.1	31.7	32.2	27.3	27.9	27.8	28.4	28.8
	8H	30.6	31.1	31.1	31.6	32.1	27.2	27.8	27.7	28.3	28.8
	12H	30.6	31.0	31.1	31.5	32.1	27.2	27.7	27.7	28.2	28.7
12H	4H	30.4	31.1	30.9	31.5	32.0	27.3	27.9	27.8	28.4	28.9
	6H	30.5	31.1	31.1	31.5	32.1	27.2	27.8	27.8	28.2	28.8
	8H	30.5	31.0	31.1	31.5	32.1	27.2	27.7	27.7	28.2	28.7

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: SP3-2602-684-1

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3000K

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

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

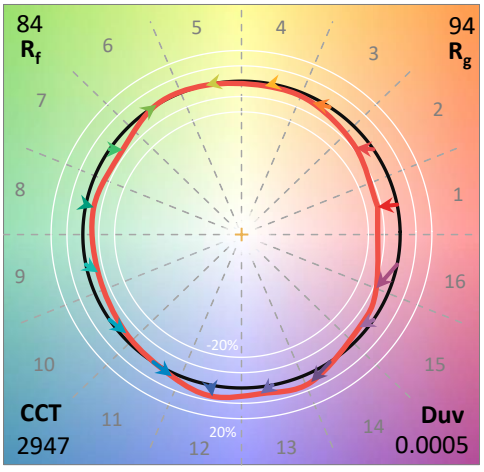
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-1
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-3000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 3000K CCT settings

Spectral Parameters

CCT (K):	2947
CIE u':	0.2523
CIE v':	0.5232
Duv:	0.0005
CIE x:	0.4415
CIE y:	0.4069
CIE z:	0.1516
Peak Wavelength (nm):	605
Dominant Wavelength (nm):	582
Purity:	54.65632
Rf:	83.6
Rg:	93.7

CRI (Ra):	81.4				
R1:	79.9	R9:	0.7
R2:	91.2	R10:	79.6
R3:	95.4	R11:	77.4
R4:	78.4	R12:	68.4
R5:	79.9	R13:	82.7
R6:	89.4	R14:	98.3
R7:	81.1	R15:	71.7
R8:	55.6		



Test Conditions

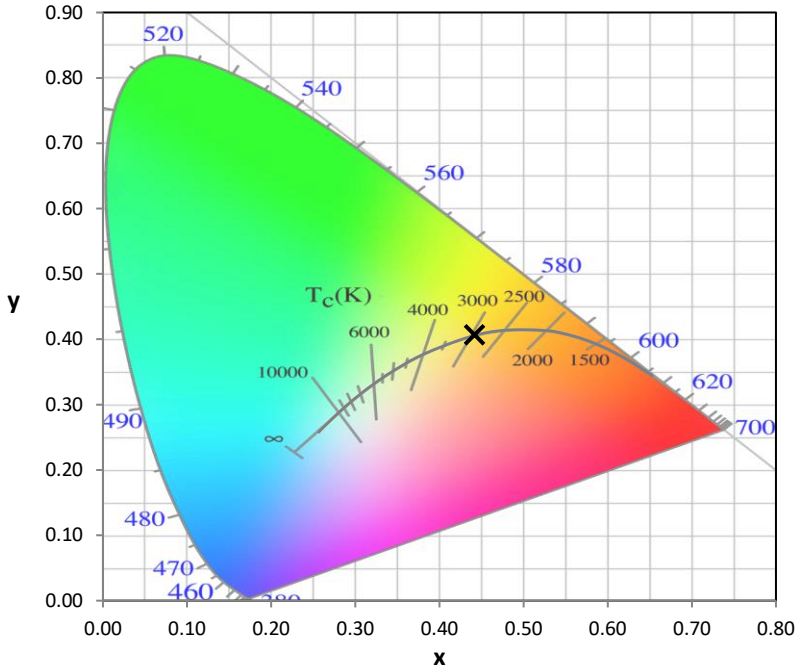
Stabilization Time:	31M
Operation Time:	1H 31M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-1

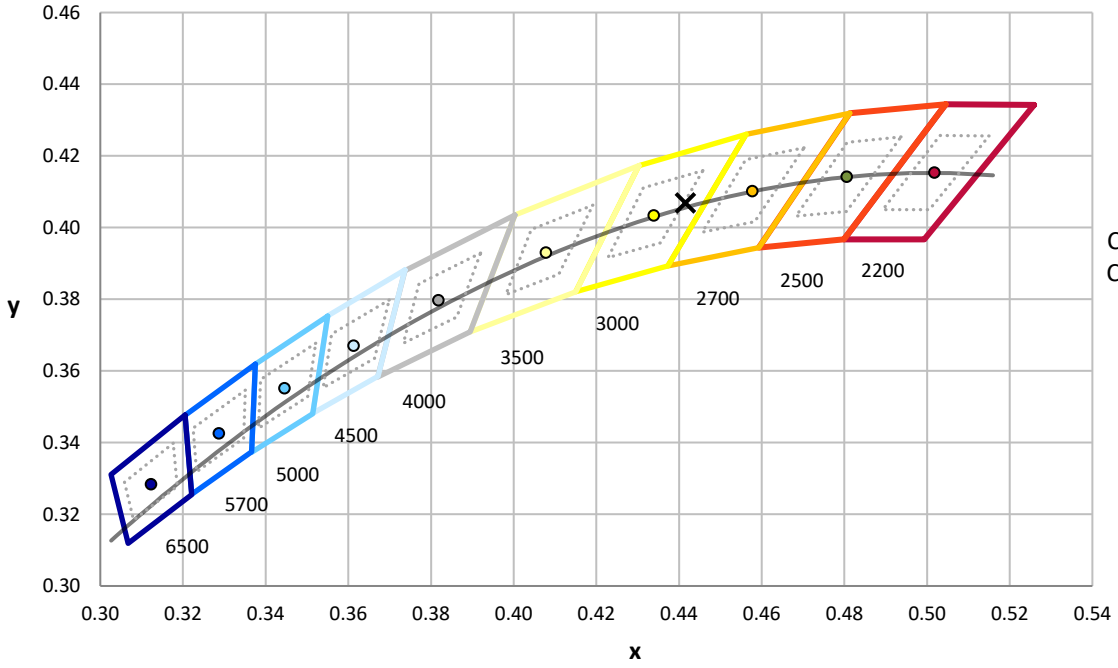
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2602-684-1

CIE 1931 Chromaticity Diagram



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

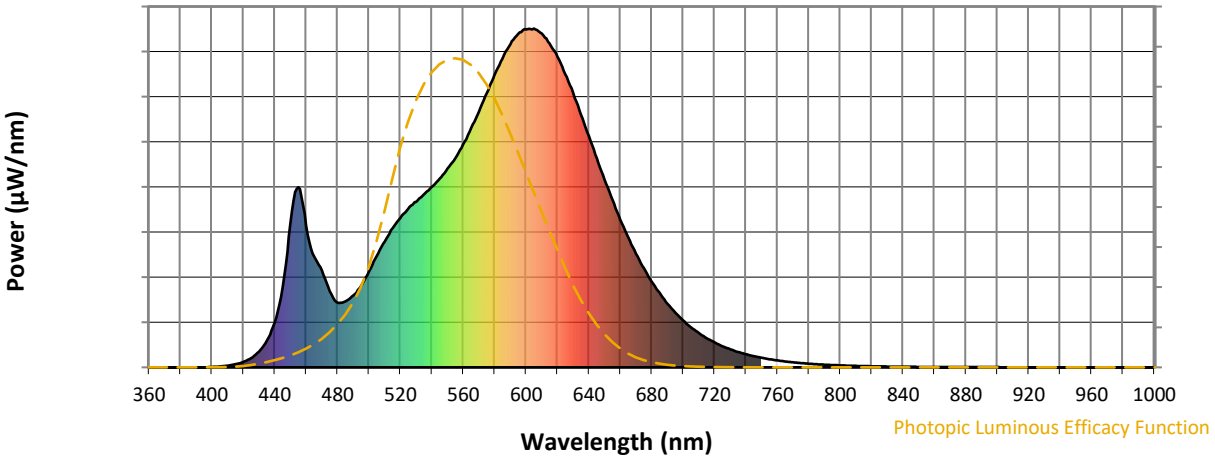


CCT = 2947K
CIE x = 0.4415
CIE y = 0.4069
Duv = 0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-1

Photopic Flux vs. Wavelength

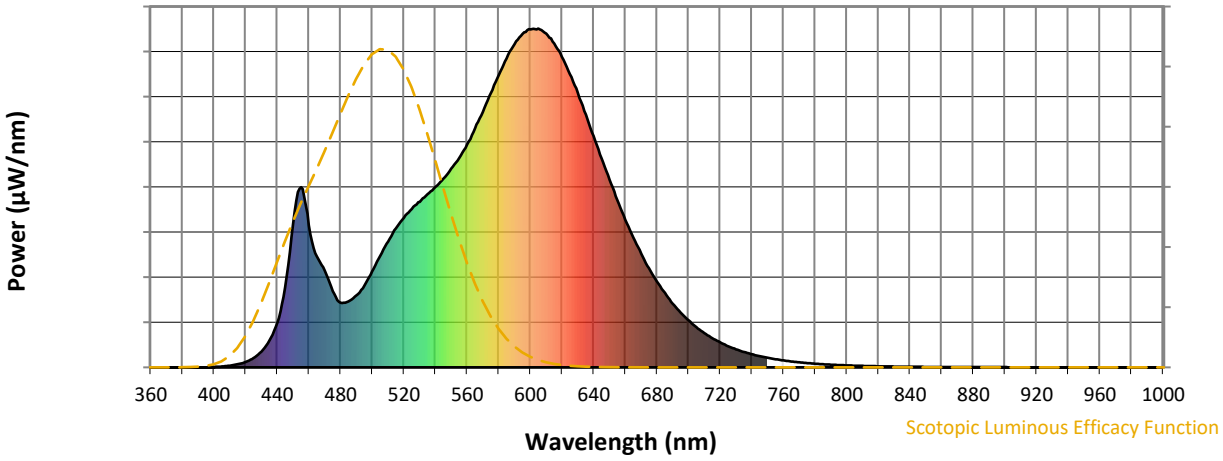


Photopic Lumens: NR

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

REPORT NUMBER: SP3-2602-684-1

Scotopic Flux vs. Wavelength

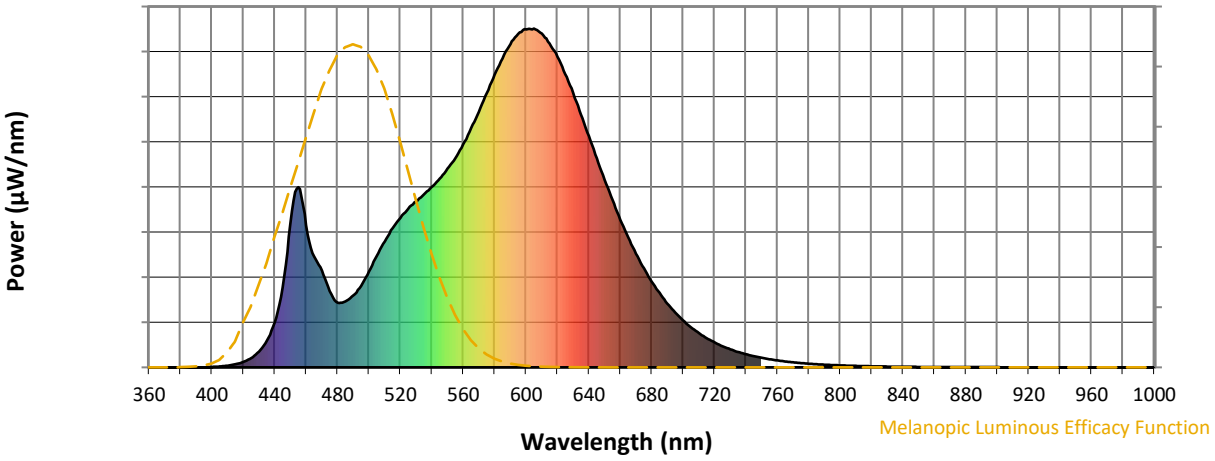


Scotopic Lumens: NR **S/P: 1.32**

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.54**

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

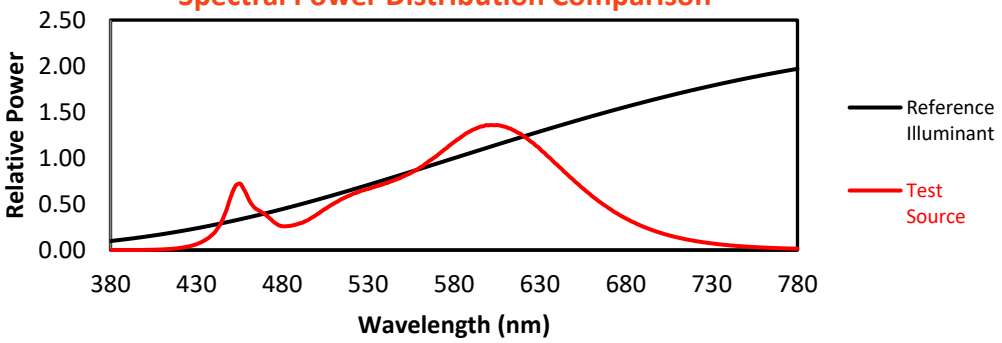
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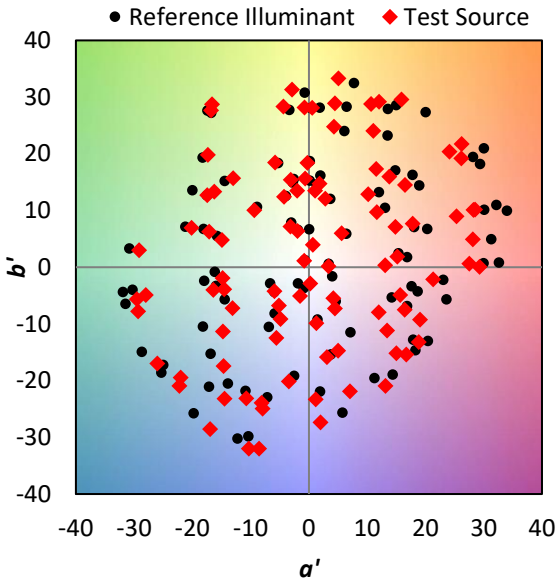
Summary

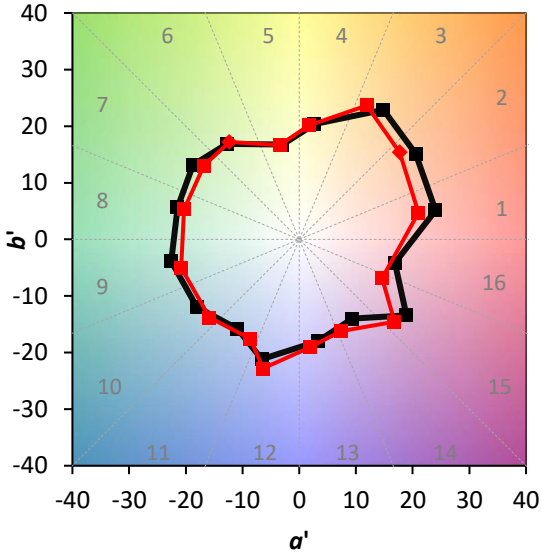
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R_g = 93.7
CIE R_a = 81.4
R_9 = 0.7

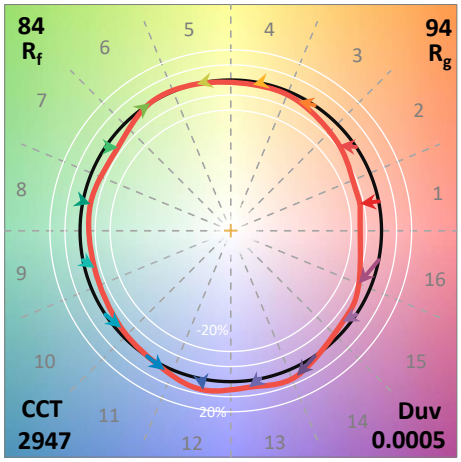
Spectral Power Distribution Comparison

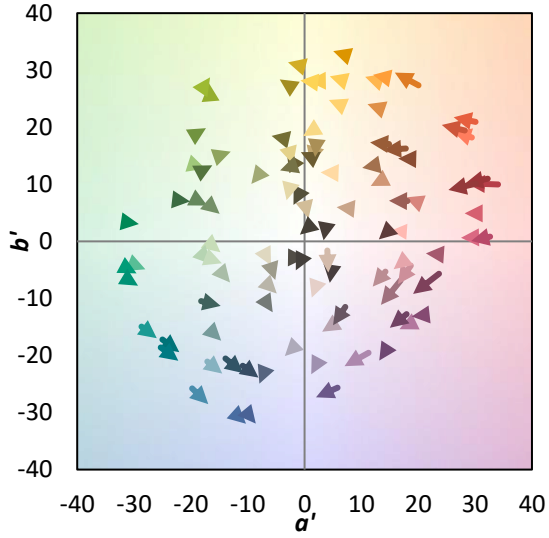


Color Vector Graphics







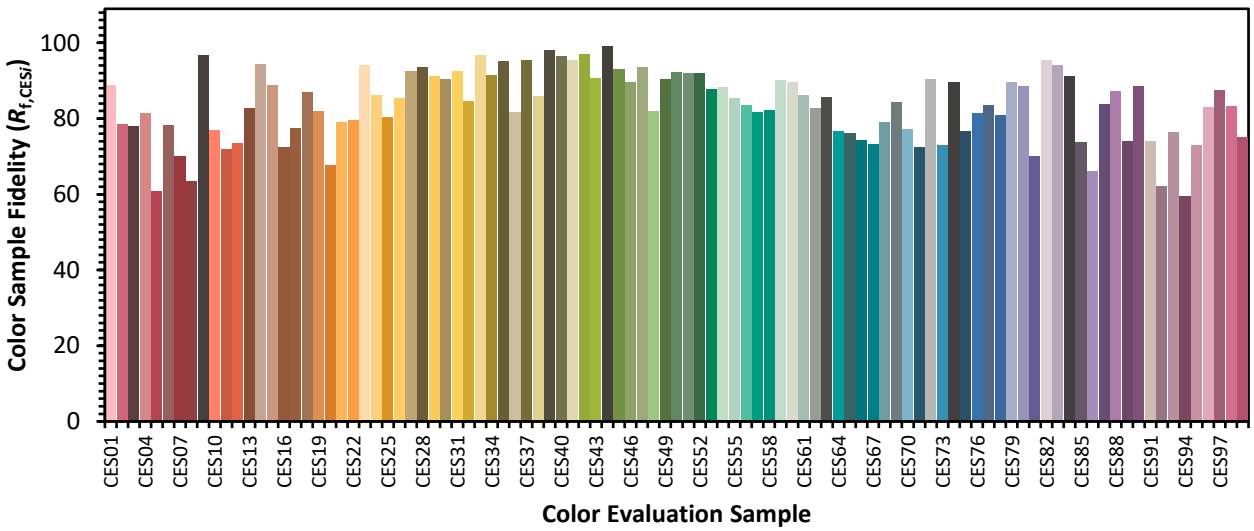


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Individual Sample Fidelity Index ($R_{f,i}$)

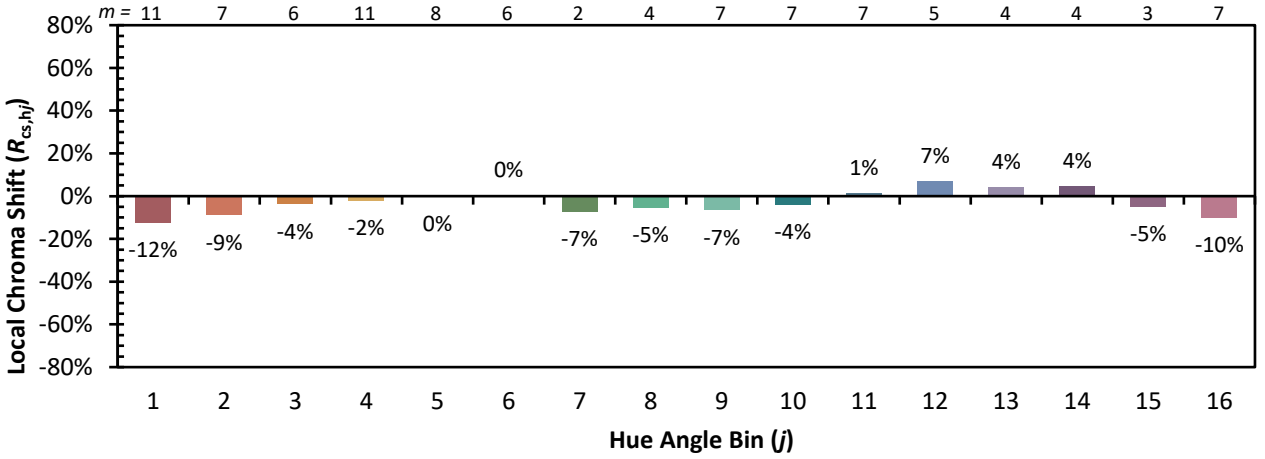
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CES02 = 63	CES27 = 92	CES52 = 92	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 88	CES78 = 81
CES04 = 71	CES29 = 91	CES54 = 88	CES79 = 90
CES05 = 50	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 83	CES81 = 70
CES07 = 42	CES32 = 84	CES57 = 82	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 82	CES83 = 94
CES09 = 29	CES34 = 91	CES59 = 90	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 82	CES61 = 86	CES86 = 66
CES12 = 65	CES37 = 96	CES62 = 83	CES87 = 84
CES13 = 44	CES38 = 86	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 77	CES89 = 74
CES15 = 72	CES40 = 96	CES65 = 76	CES90 = 89
CES16 = 48	CES41 = 95	CES66 = 74	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 73	CES92 = 62
CES18 = 57	CES43 = 91	CES68 = 79	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 84	CES94 = 60
CES20 = 67	CES45 = 93	CES70 = 77	CES95 = 73
CES21 = 87	CES46 = 90	CES71 = 73	CES96 = 83
CES22 = 79	CES47 = 93	CES72 = 91	CES97 = 88
CES23 = 92	CES48 = 82	CES73 = 73	CES98 = 83
CES24 = 91	CES49 = 90	CES74 = 90	CES99 = 75
CES25 = 72	CES50 = 92	CES75 = 77	

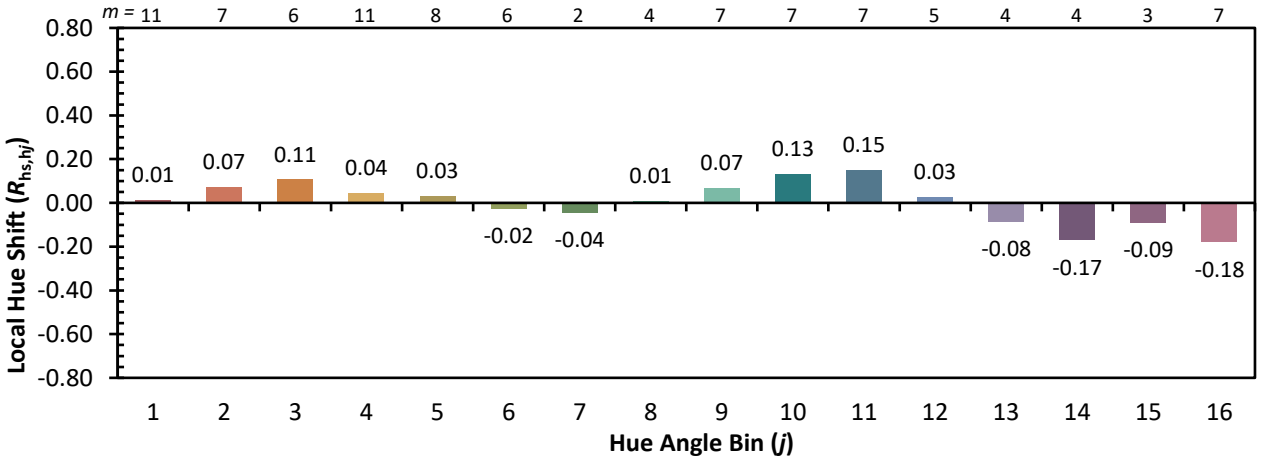


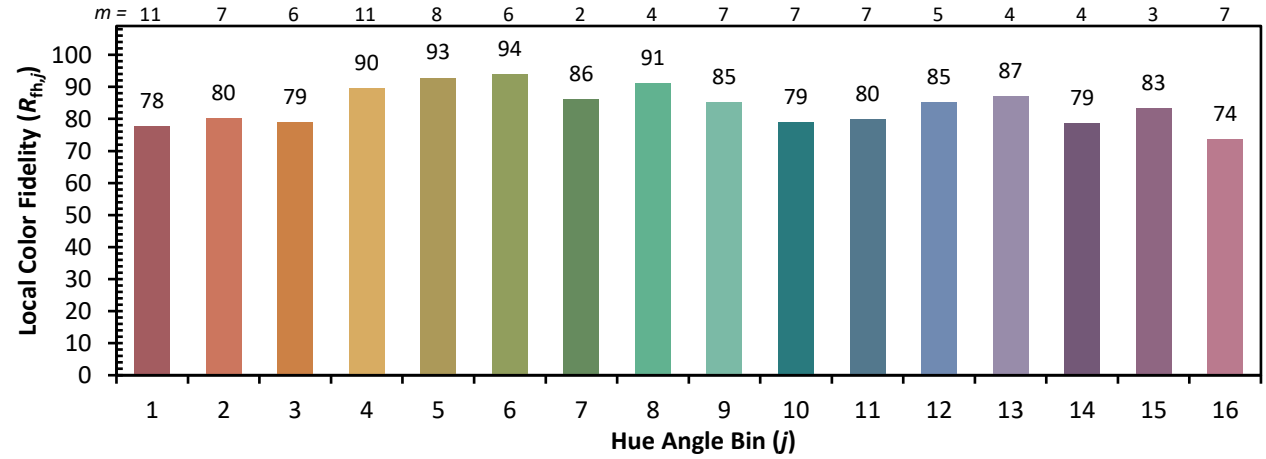
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Color Rendition by Hue-Angle Bin



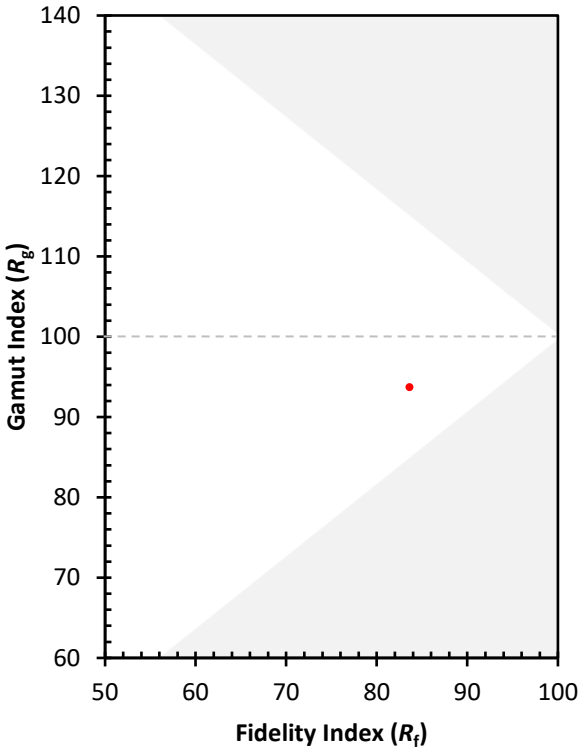


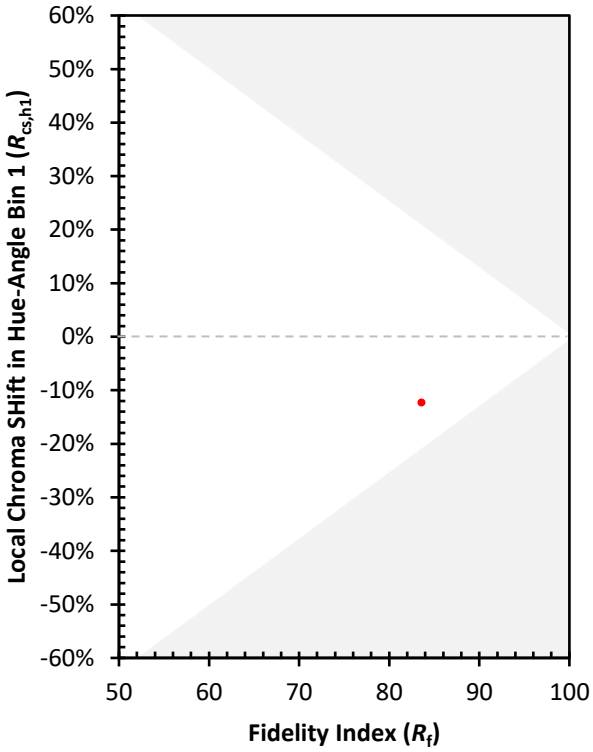


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Measure Comparisons





(END OF REPORT)