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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P991252

Luminaire Tested: **GPC-SA2D-735-U-RBC**

Issue Date: 07/03/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P991252
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2D-735-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 1200mA 2xLight Square PACKAGE 70CRI 3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(28) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10199.6 lumens
Efficiency:	N/A
Efficacy:	94.3 lumens/watt
Luminous Opening:	Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G2

Input Watts (W):	108.2
Input Voltage (V):	120
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:	24 FT

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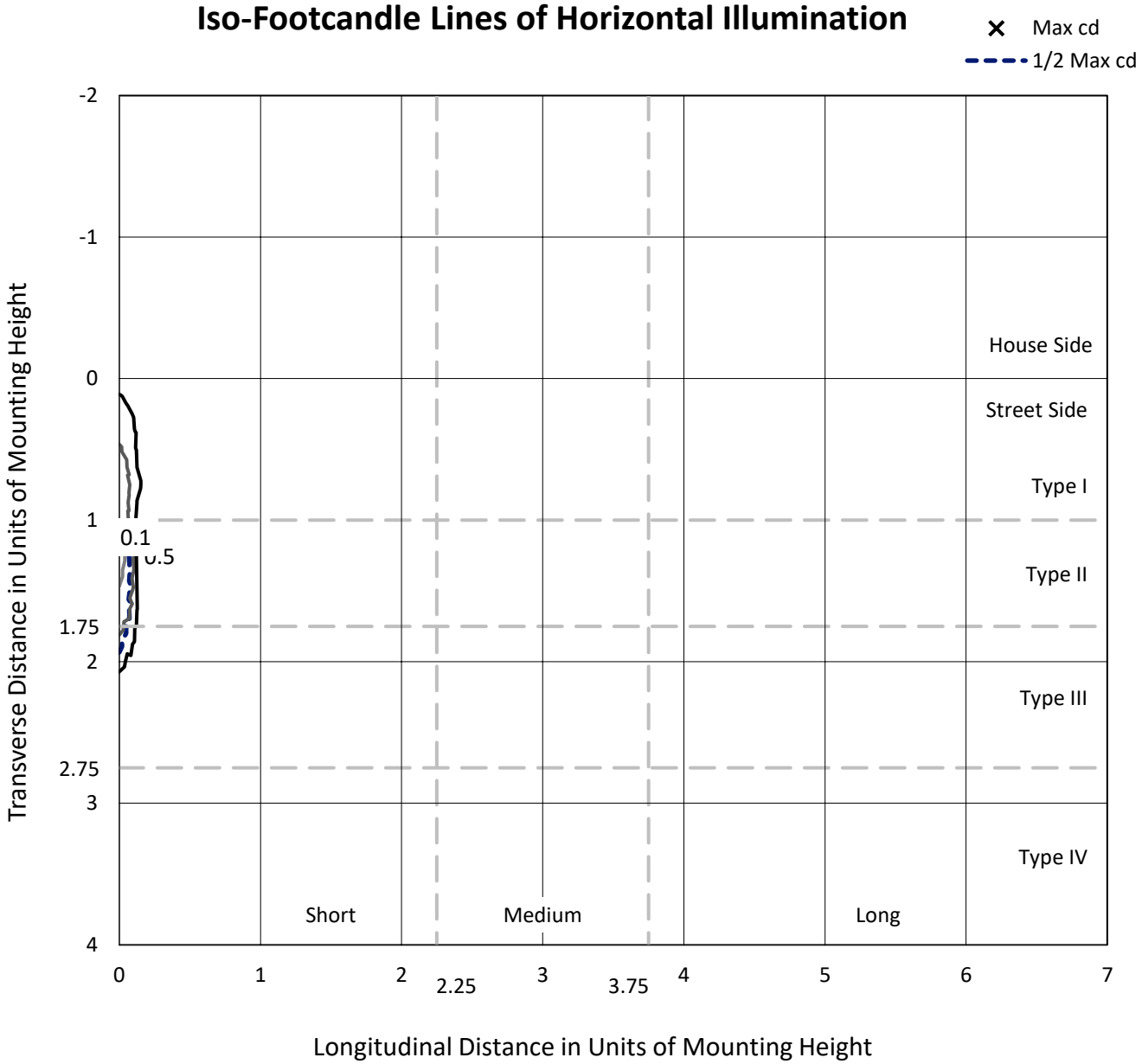
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 0.7 fc
Type III - Short - N/A

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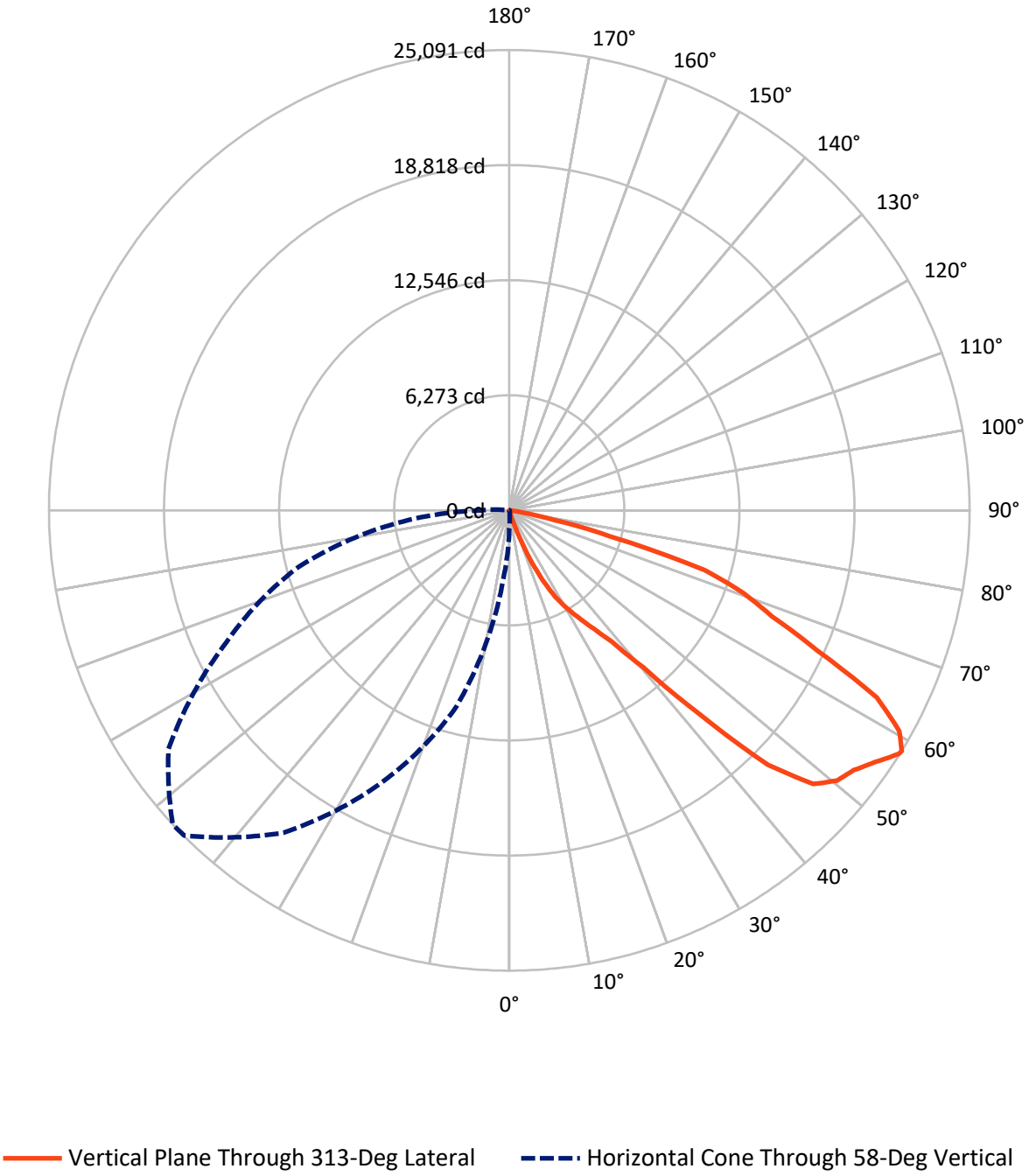
Luminous Intensity Polar Plot



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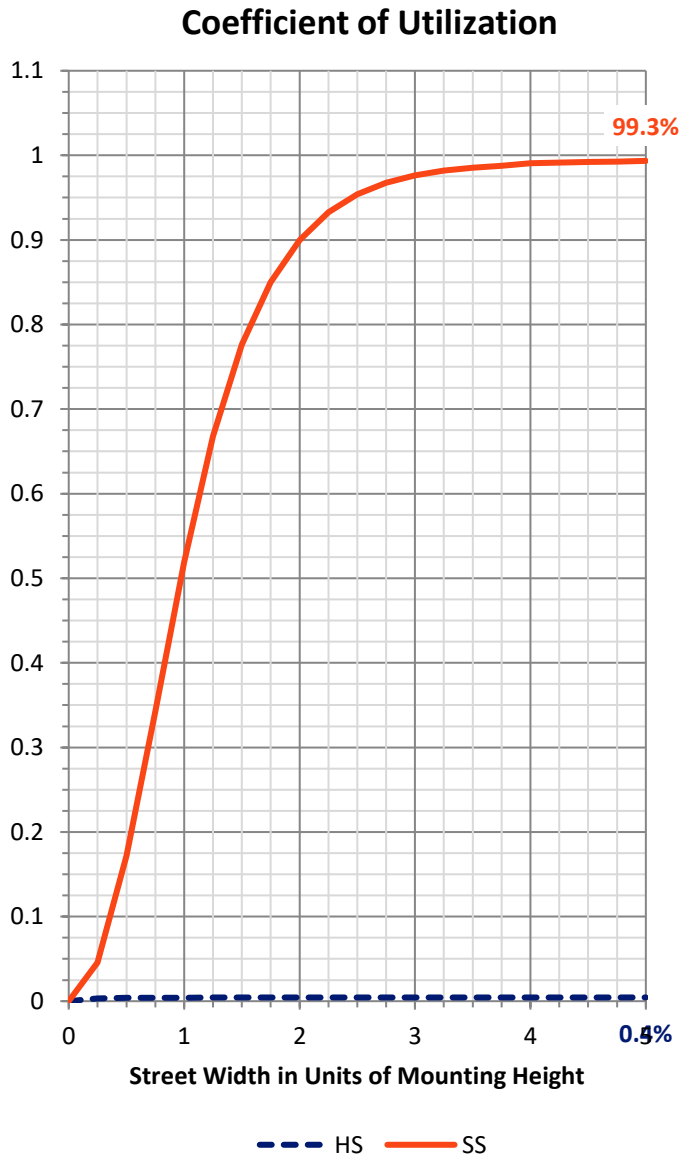
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.6	0.0	45.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10154.0	0.0	10154.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	10199.6	0.0	10199.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	17.7	0.2
20°-30°	257.6	2.5
30°-40°	740.5	7.3
40°-50°	2109.4	20.7
50°-60°	3318.0	32.5
60°-70°	2829.5	27.7
70°-80°	902.6	8.8
80°-90°	23.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10199.6	100.0
0°-180°	10199.6	100.0



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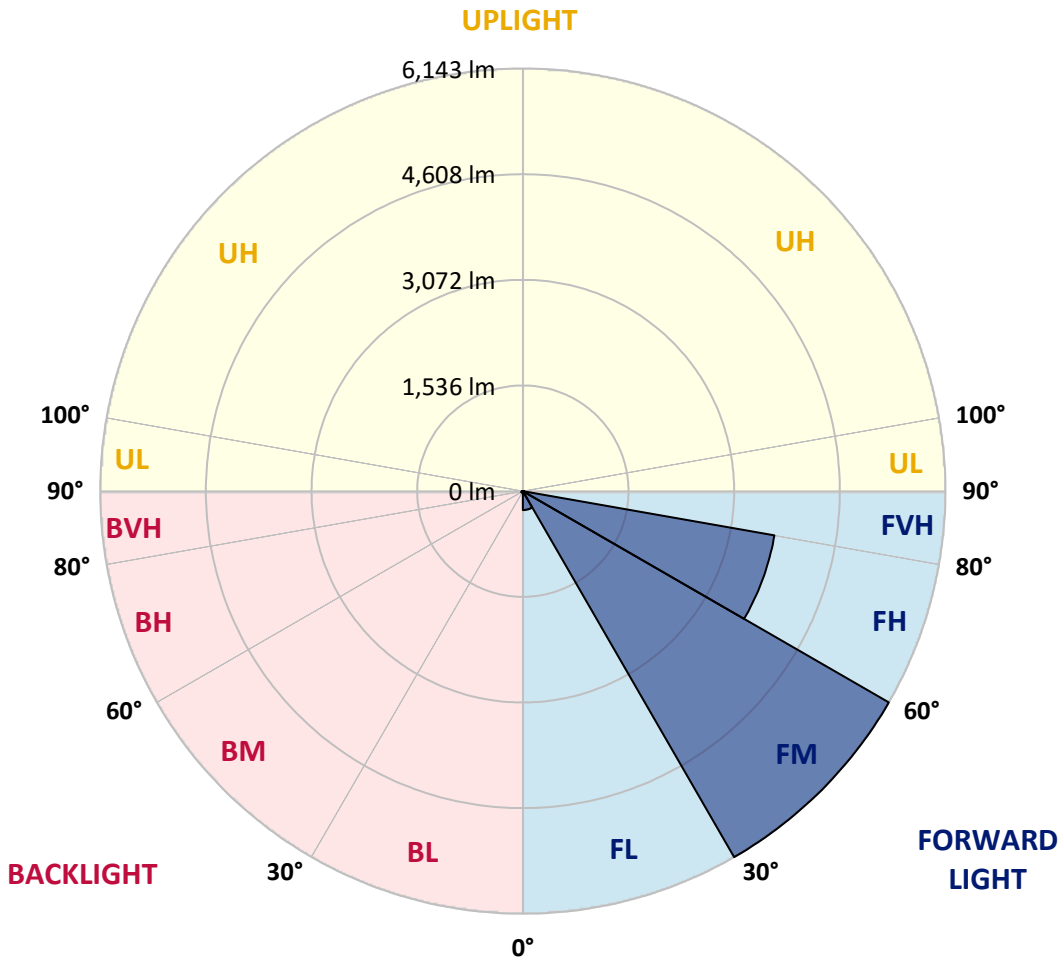
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	275.0	2.7			
FM	(30°-60°)	6143.4	60.2			
FH	(60°-80°)	3713.9	36.4			G2/5000
FVH	(80°-90°)	21.7	0.2			G1/100
BL	(0°-30°)	1.8	0.0	B0/110		
BM	(30°-60°)	24.4	0.2	B0/220		
BH	(60°-80°)	18.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	36.7	38.8	40.8	38.8	34.7	26.5	26.5	20.4	14.3	8.2	6.1
5°	40.8	40.8	40.8	38.8	34.7	26.5	24.5	18.4	12.2	8.2	4.1
7.5°	44.9	44.9	42.9	38.8	32.7	26.5	24.5	18.4	12.2	6.1	0.0
10°	49.0	49.0	44.9	40.8	32.7	24.5	22.5	16.3	10.2	4.1	0.0
12.5°	55.1	53.1	46.9	40.8	32.7	22.5	22.5	16.3	8.2	2.0	0.0
15°	63.3	57.2	49.0	40.8	30.6	22.5	20.4	14.3	6.1	0.0	0.0
17.5°	69.4	63.3	51.0	38.8	28.6	20.4	18.4	12.2	6.1	0.0	0.0
20°	75.5	65.3	51.0	38.8	28.6	18.4	16.3	10.2	2.0	0.0	0.0
22.5°	85.7	69.4	51.0	38.8	26.5	16.3	14.3	8.2	0.0	0.0	0.0
25°	106.1	73.5	51.0	36.7	24.5	14.3	12.2	4.1	0.0	0.0	0.0
27.5°	130.6	79.6	51.0	34.7	22.5	12.2	10.2	2.0	0.0	0.0	0.0
30°	157.2	85.7	51.0	34.7	20.4	10.2	8.2	0.0	0.0	0.0	0.0
32.5°	185.8	93.9	51.0	32.7	18.4	8.2	6.1	0.0	0.0	0.0	0.0
35°	238.8	106.1	51.0	32.7	16.3	6.1	4.1	0.0	0.0	0.0	0.0
37.5°	263.3	122.5	51.0	30.6	16.3	4.1	2.0	0.0	0.0	0.0	0.0
40°	273.5	118.4	49.0	30.6	14.3	2.0	0.0	0.0	0.0	0.0	0.0
42.5°	296.0	110.2	51.0	28.6	14.3	2.0	0.0	0.0	0.0	0.0	0.0
45°	361.3	110.2	55.1	28.6	12.2	4.1	0.0	0.0	0.0	0.0	0.0
47.5°	626.7	114.3	53.1	28.6	12.2	4.1	0.0	0.0	0.0	0.0	0.0
50°	1030.8	134.7	51.0	30.6	14.3	2.0	0.0	0.0	0.0	0.0	0.0
52.5°	1196.2	163.3	51.0	32.7	18.4	0.0	0.0	0.0	0.0	0.0	0.0
55°	1147.2	200.0	51.0	34.7	22.5	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1043.1	189.8	55.1	40.8	28.6	0.0	0.0	0.0	0.0	0.0	0.0
58°	*1004.3*	*189.8*	*55.1*	*40.8*	*28.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	787.9	193.9	63.3	44.9	30.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	585.8	198.0	71.4	51.0	30.6	2.0	0.0	0.0	0.0	0.0	0.0
65°	434.8	206.2	75.5	59.2	28.6	4.1	0.0	0.0	0.0	0.0	0.0
67.5°	347.0	212.3	81.7	65.3	32.7	8.2	2.0	0.0	0.0	0.0	0.0
70°	298.0	204.1	87.8	67.4	30.6	12.2	6.1	0.0	0.0	0.0	0.0
72.5°	265.4	191.9	100.0	65.3	32.7	12.2	6.1	0.0	0.0	0.0	0.0
75°	238.8	175.5	114.3	63.3	32.7	12.2	8.2	0.0	0.0	0.0	0.0
77.5°	179.6	153.1	112.3	61.2	30.6	12.2	8.2	0.0	0.0	0.0	0.0
80°	89.8	102.1	98.0	55.1	24.5	10.2	8.2	2.0	0.0	0.0	0.0
82.5°	36.7	38.8	49.0	40.8	20.4	8.2	8.2	2.0	0.0	0.0	0.0
85°	4.1	8.2	14.3	16.3	14.3	8.2	8.2	2.0	0.0	0.0	0.0
87.5°	0.0	2.0	8.2	12.2	10.2	6.1	4.1	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	4.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	2.0	4.1	4.1	4.1	6.1	6.1	8.2	10.2	10.2	10.2	12.2
5°	0.0	0.0	2.0	2.0	4.1	6.1	8.2	12.2	14.3	14.3	16.3
7.5°	0.0	0.0	0.0	2.0	4.1	6.1	8.2	12.2	16.3	18.4	20.4
10°	0.0	0.0	0.0	0.0	2.0	4.1	8.2	14.3	20.4	24.5	28.6
12.5°	0.0	0.0	0.0	0.0	0.0	2.0	8.2	16.3	24.5	30.6	34.7
15°	0.0	0.0	0.0	0.0	0.0	2.0	8.2	16.3	30.6	36.7	44.9
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.2	18.4	34.7	44.9	61.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	18.4	38.8	55.1	91.9
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	18.4	42.9	71.4	169.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	18.4	49.0	106.1	281.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	20.4	59.2	149.0	412.3
30°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	20.4	73.5	202.1	575.6
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	20.4	85.7	255.2	783.8
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	102.1	338.8	983.9
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	126.6	373.6	1153.3
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	120.4	406.2	1347.2
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	110.2	453.2	1651.4
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	110.2	600.1	2325.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	134.7	934.9	3553.8
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	173.5	1435.0	5060.3
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	210.3	1765.7	5933.9
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	253.1	1767.7	5905.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	281.7	1582.0	5329.7
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*14.3*	*279.7*	*1530.9*	*5170.5*
60°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	20.4	245.0	1328.9	4513.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.2	32.7	214.3	953.3	3741.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	16.3	36.7	196.0	692.0	2808.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	20.4	42.9	187.8	489.9	1953.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	24.5	49.0	173.5	351.1	1286.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	24.5	61.2	163.3	275.6	775.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	24.5	77.6	142.9	224.5	416.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	24.5	83.7	118.4	163.3	253.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	22.5	75.5	85.7	71.4	85.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.2	44.9	18.4	18.4	28.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P991252
CATALOG NUMBER: GPC-SA2D-735-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	14.3	14.3	14.3	*14.3*	14.3	14.3	14.3	14.3	14.3	14.3
2.5°	14.3	14.3	14.3	*14.3*	16.3	16.3	22.5	28.6	34.7	36.7
5°	18.4	20.4	22.5	*22.5*	22.5	24.5	28.6	32.7	38.8	40.8
7.5°	26.5	28.6	32.7	*32.7*	32.7	34.7	36.7	40.8	44.9	44.9
10°	34.7	40.8	42.9	*44.9*	46.9	46.9	46.9	49.0	51.0	49.0
12.5°	46.9	55.1	65.3	*67.4*	67.4	67.4	65.3	61.2	57.2	55.1
15°	65.3	89.8	122.5	*134.7*	128.6	114.3	100.0	77.6	67.4	63.3
17.5°	120.4	245.0	445.0	*491.9*	481.7	414.4	242.9	118.4	79.6	69.4
20°	324.6	792.0	1306.4	*1430.9*	1496.2	1239.0	716.5	275.6	98.0	75.5
22.5°	700.2	1645.3	2549.5	*2872.1*	2892.5	2327.0	1394.2	559.3	140.8	85.7
25°	1126.8	2631.2	3864.1	*4176.4*	4182.5	3586.5	2229.1	906.3	214.3	106.1
27.5°	1726.9	3688.6	5068.5	*5327.7*	5323.6	4719.4	3221.1	1384.0	300.1	130.6
30°	2341.3	4513.2	5862.5	*6185.0*	6215.6	5493.0	4049.9	1949.4	391.9	157.2
32.5°	2949.6	5123.6	6587.2	*7015.8*	6989.3	6176.9	4627.5	2412.8	549.1	185.8
35°	3429.3	5644.1	7389.4	*7916.0*	7936.4	6928.0	5139.9	2861.8	683.8	238.8
37.5°	3839.6	6315.7	8456.9	*9065.2*	9091.8	7862.9	5676.8	3302.8	800.2	263.3
40°	4345.8	7417.9	10224.7	*11257.6*	11261.6	9606.2	6642.3	3796.7	957.4	273.5
42.5°	5482.8	9779.7	13678.5	*15162.5*	15291.1	13223.3	8836.6	4868.4	1204.3	296.0
45°	7756.8	12892.6	18083.5	*19792.1*	19955.4	17724.3	12598.7	7342.4	1747.3	361.3
47.5°	10461.5	15599.3	20643.3	*22288.5*	22396.7	19853.3	15117.6	10204.3	2974.1	626.7
50°	12125.1	16601.6	21584.3	*23154.0*	23172.4	20553.5	15907.6	11690.3	4237.7	1030.8
52.5°	12641.5	16730.2	21621.1	*23519.4*	23572.5	20471.8	16015.7	11990.4	4764.3	1196.2
55°	12431.3	16654.7	22008.9	*24217.5*	24274.7	20804.5	15942.3	11661.7	4517.3	1147.2
57.5°	11951.6	16948.6	22645.8	*25046.3*	25046.3	21419.0	16213.7	11110.6	3913.1	1043.1
58°	*11880.1*	*17022.1*	*22680.5*	*25091.2*	*25072.8*	*21457.7*	*16326.0*	*11031.0*	*3780.4*	*1004.3*
60°	11782.2	17248.7	22423.3	*24427.8*	24374.7	21184.2	16530.1	10959.5	3137.4	787.9
62.5°	11639.3	16738.4	20549.4	*22476.3*	22339.6	19267.5	15944.3	10541.1	2341.3	585.8
65°	10906.5	14854.3	17130.3	*18465.3*	18422.4	15850.4	13723.4	9442.9	1686.1	434.8
67.5°	9193.8	11629.1	13837.7	*15446.2*	15456.4	12939.6	10733.0	7546.5	1147.2	347.0
70°	6466.7	8577.4	11763.8	*13554.0*	13635.6	10853.4	7950.7	5029.7	757.3	298.0
72.5°	3862.1	6479.0	9781.7	*11141.2*	11098.3	9006.0	5899.2	2998.6	461.3	265.4
75°	1871.8	3872.3	4943.9	*5733.9*	5701.2	4505.1	3143.5	1469.7	336.8	238.8
77.5°	508.3	1190.1	1914.7	*2490.3*	2557.7	1804.5	1030.8	394.0	210.3	179.6
80°	171.5	367.4	624.6	*849.2*	871.6	779.8	387.8	138.8	91.9	89.8
82.5°	65.3	89.8	114.3	*102.1*	102.1	106.1	83.7	59.2	42.9	36.7
85°	0.0	0.0	2.0	*4.1*	4.1	6.1	6.1	6.1	4.1	4.1
87.5°	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

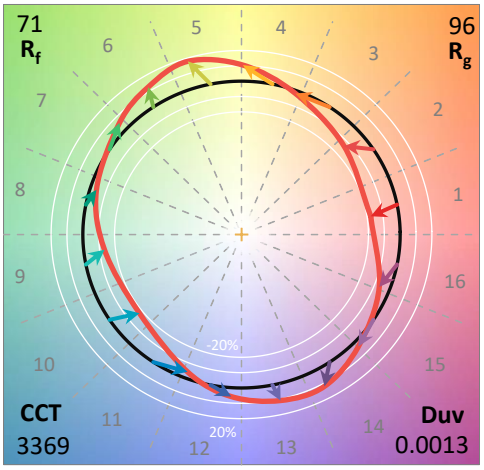
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

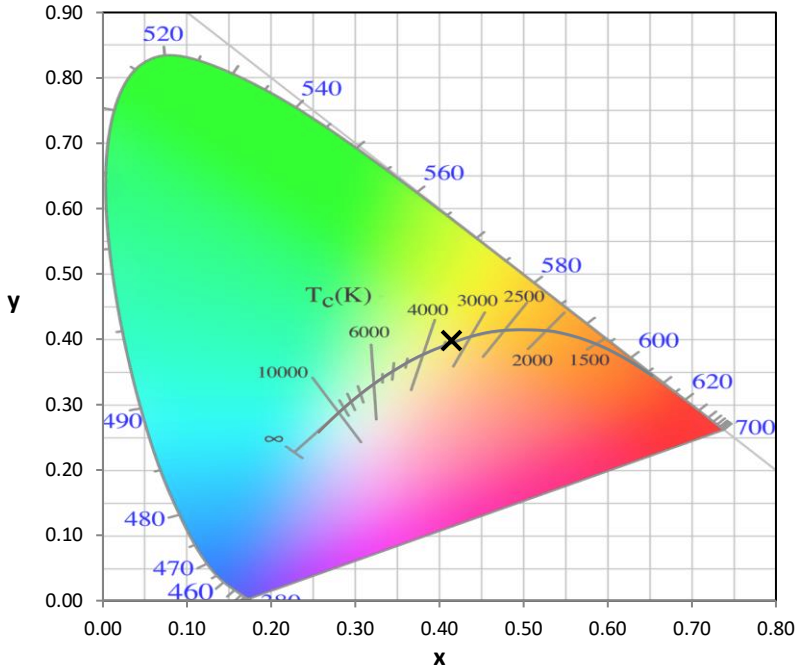
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

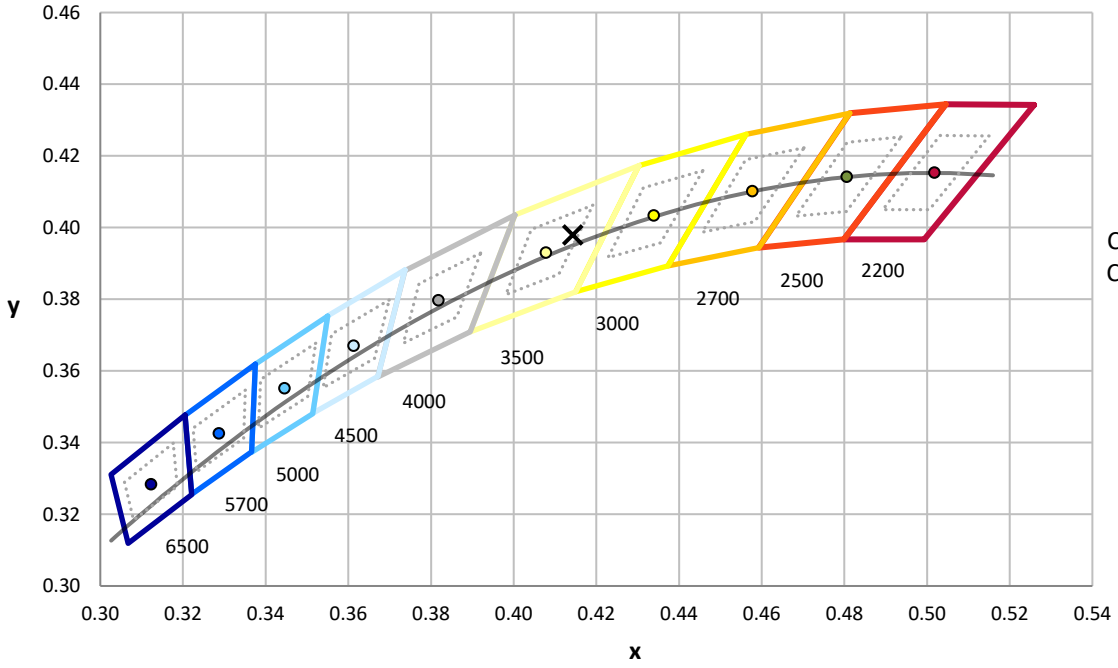
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

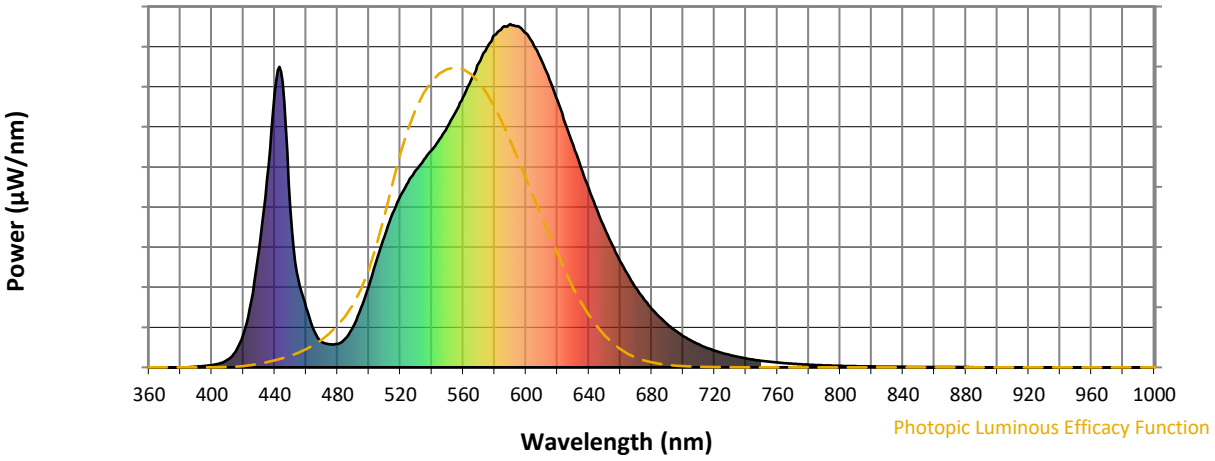


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

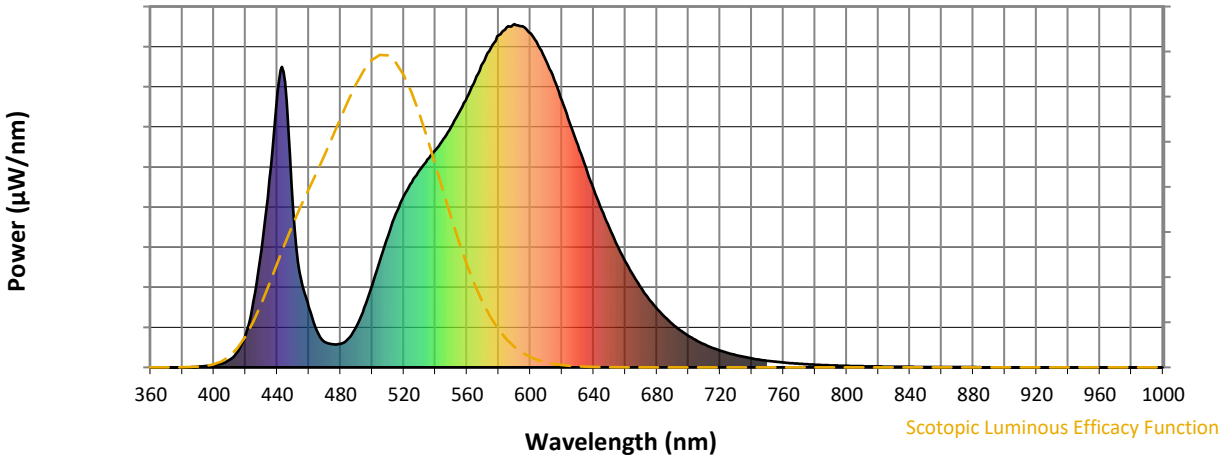


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

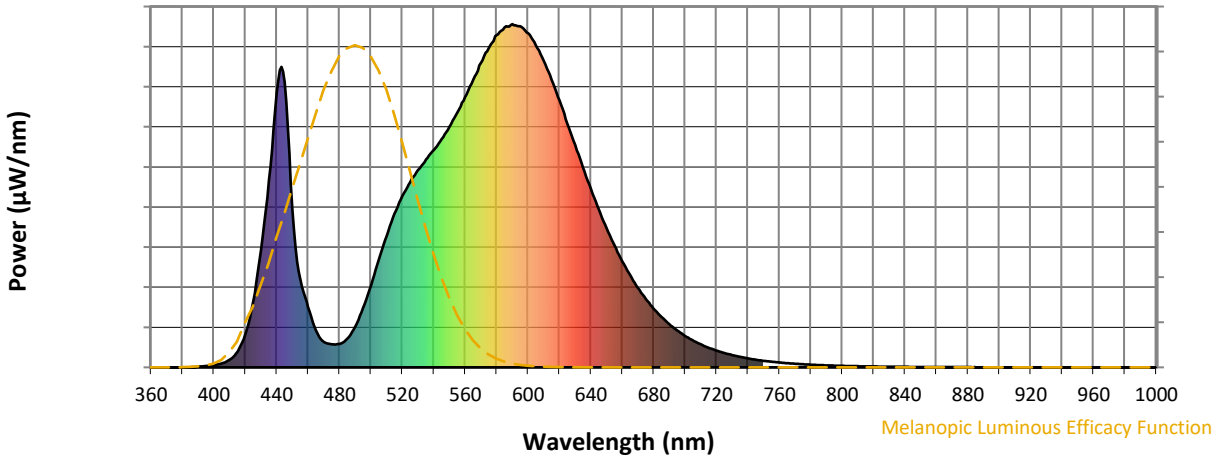


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

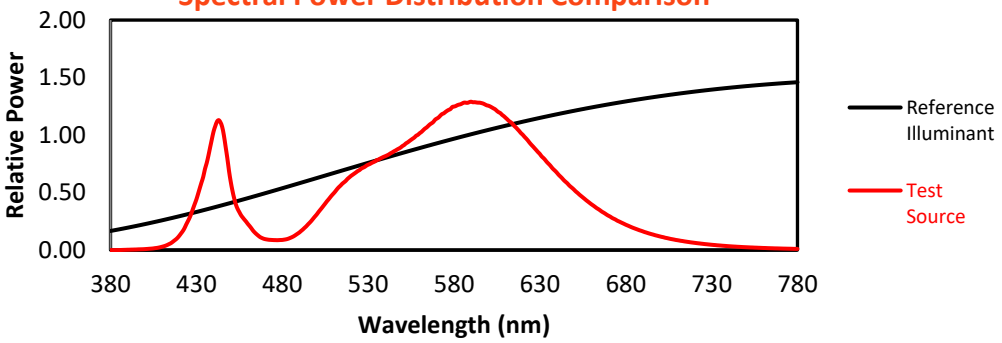
REPORT NUMBER: SP1-2407-184-5

TM-30-18

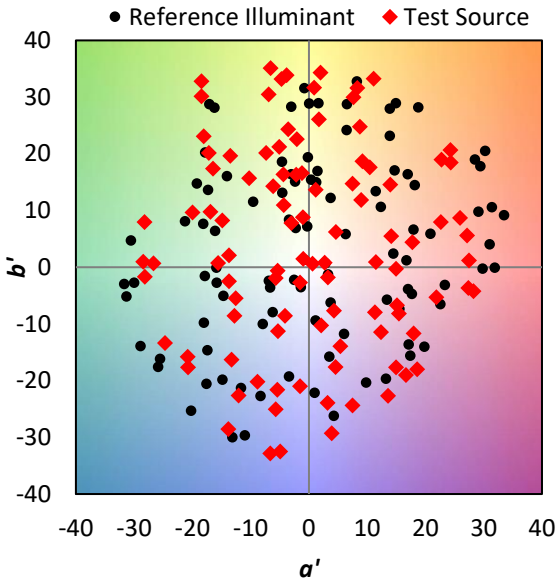
Summary

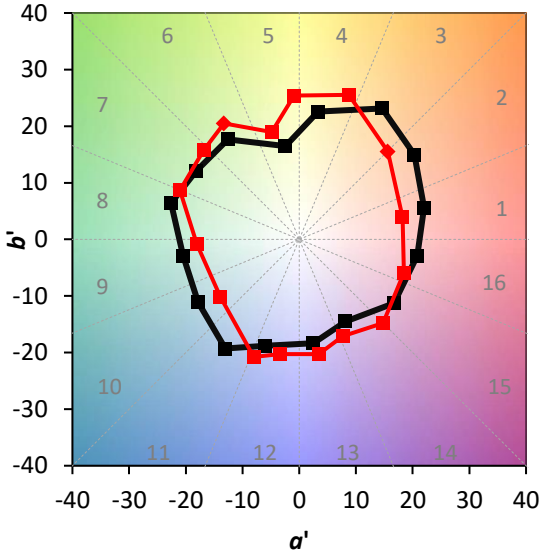
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

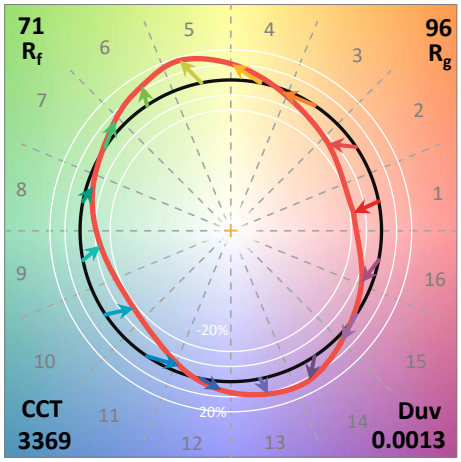
Spectral Power Distribution Comparison

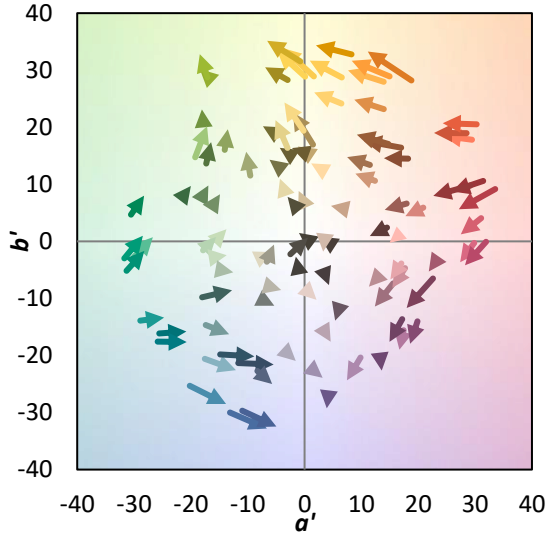


Color Vector Graphics







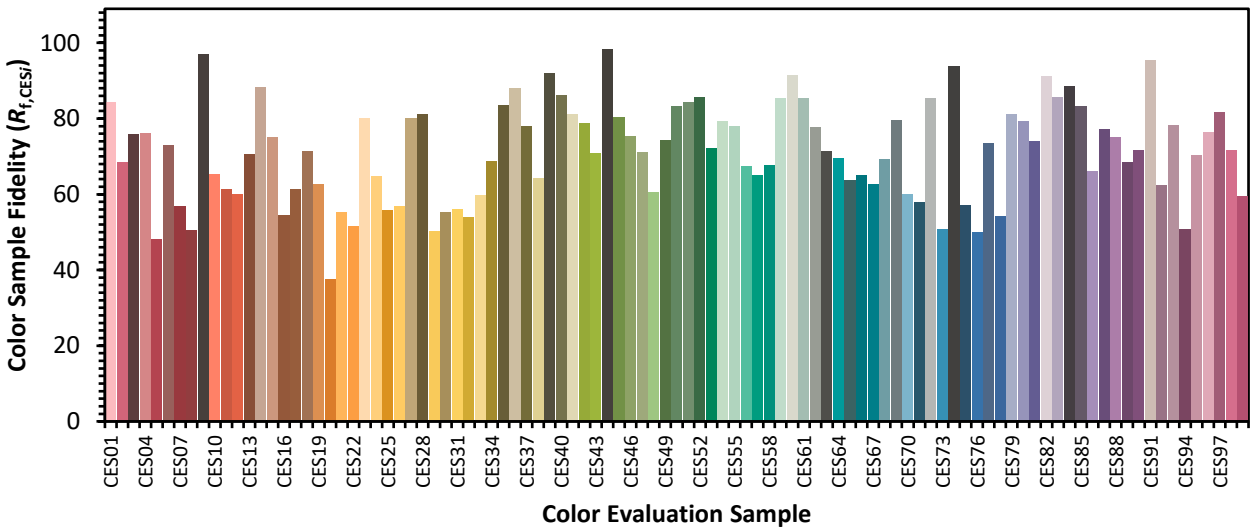


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



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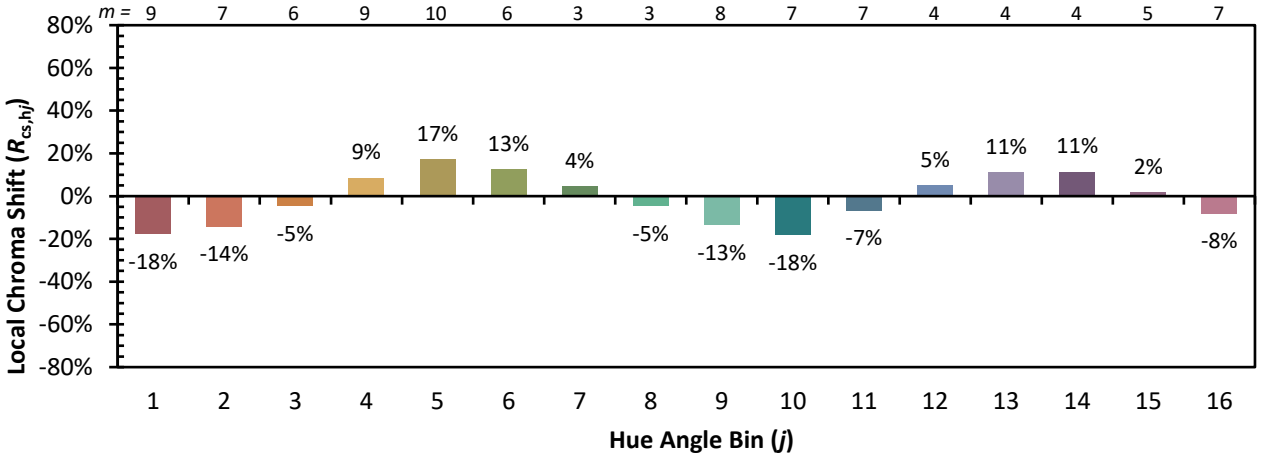
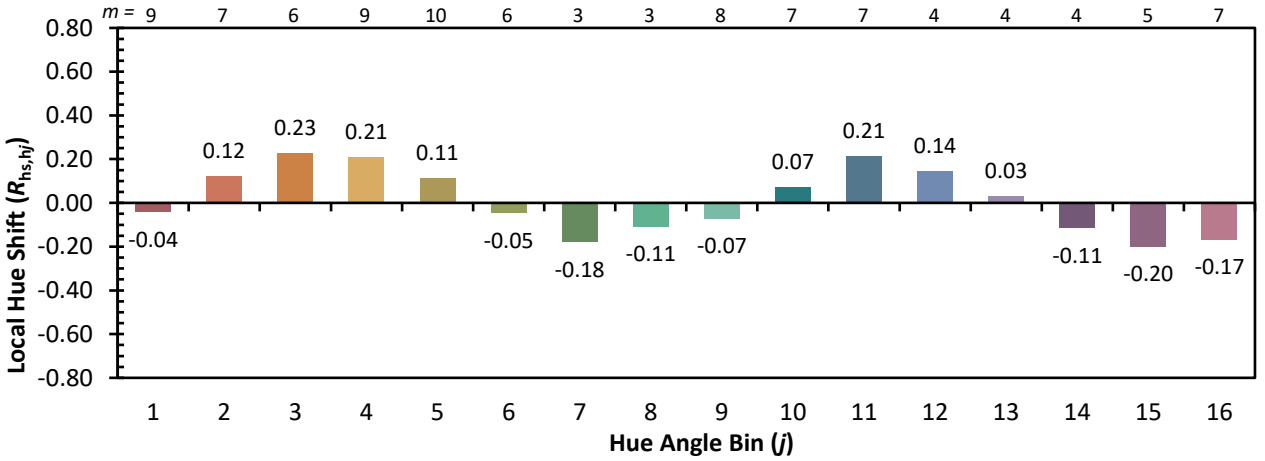
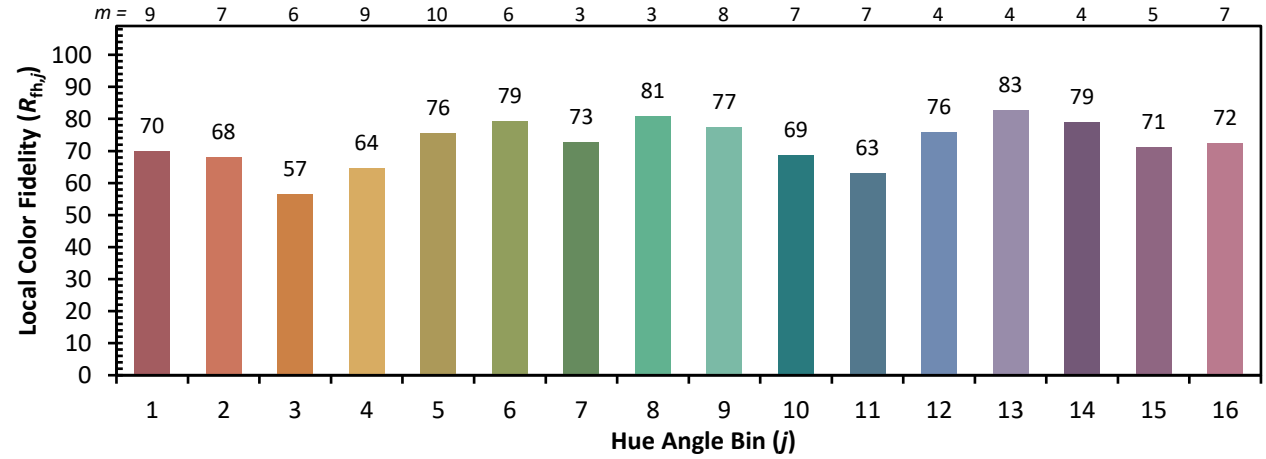
Color Rendition by Hue-Angle Bin







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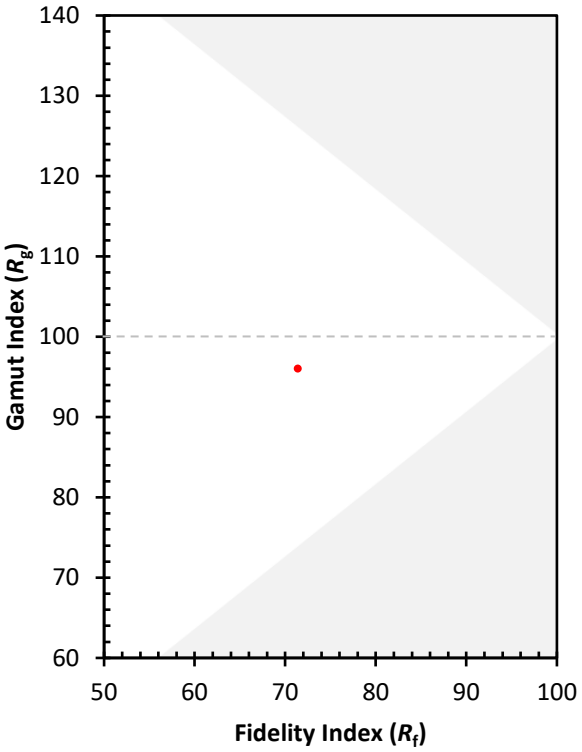
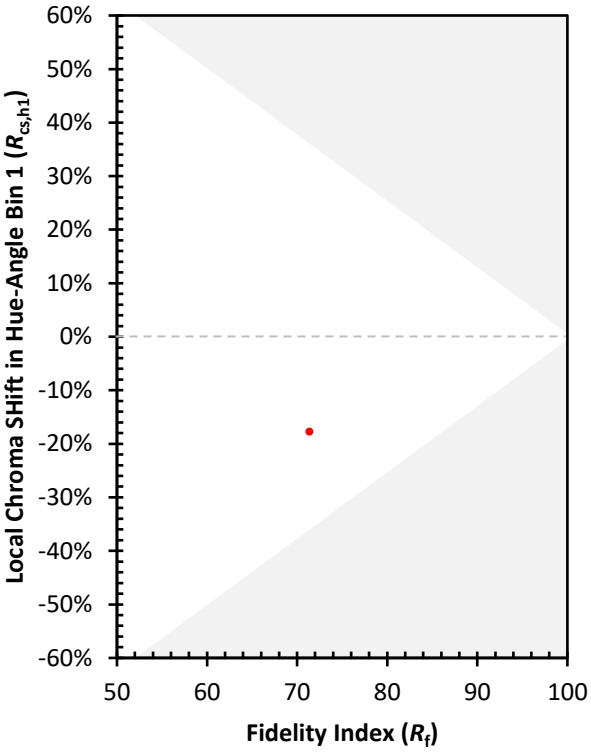
Measure Comparisons





(END OF REPORT)