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: P991293

Luminaire Tested: **GPC-SA2C-830-U-RBC**

Issue Date: 07/03/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P991293
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2C-830-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 1050mA 2xLight Square PACKAGE 80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(28) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7838.7 lumens
Efficiency:	N/A
Efficacy:	82.6 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):	94.9
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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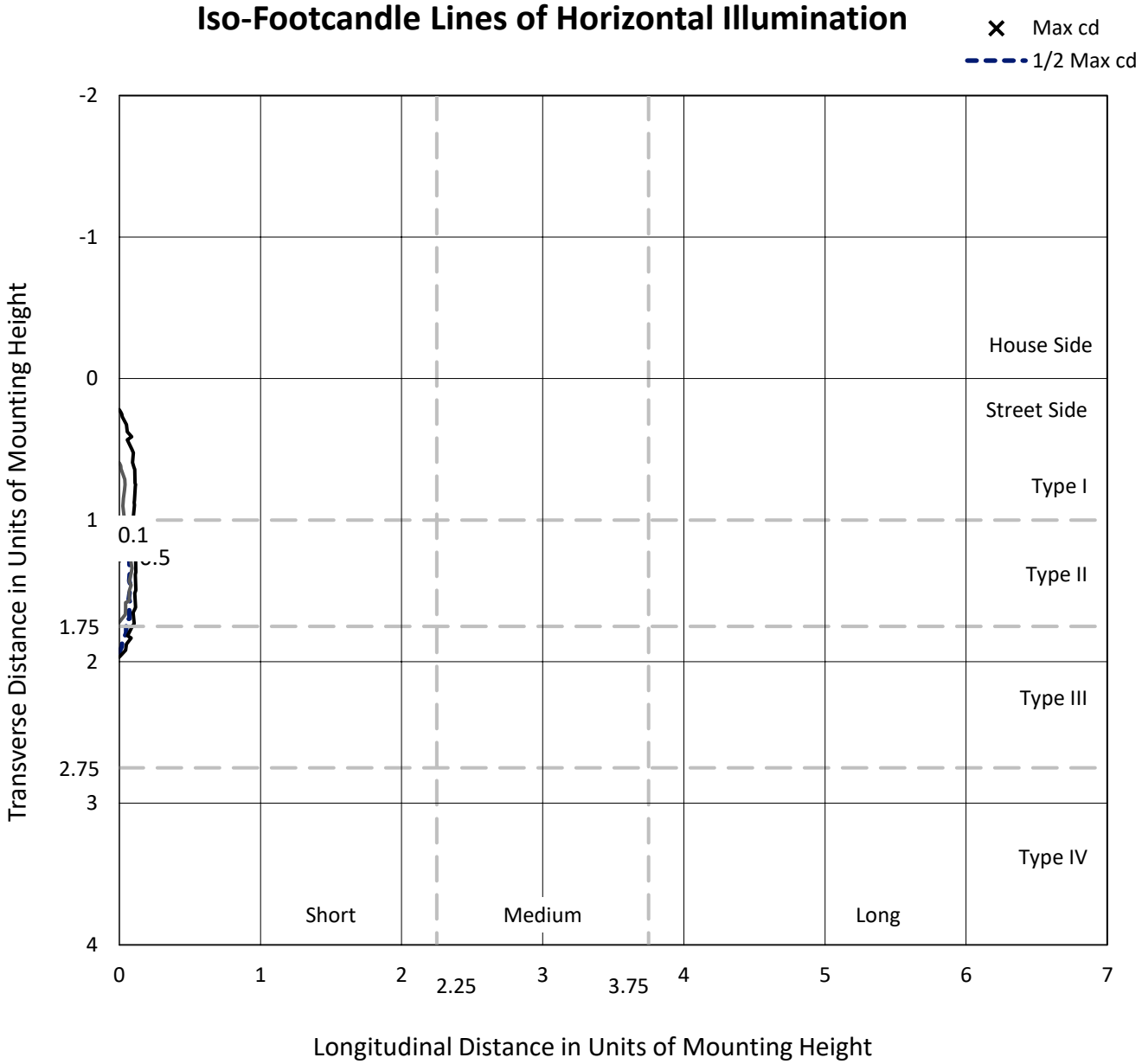
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 0.5 fc
Type III - Short - N/A

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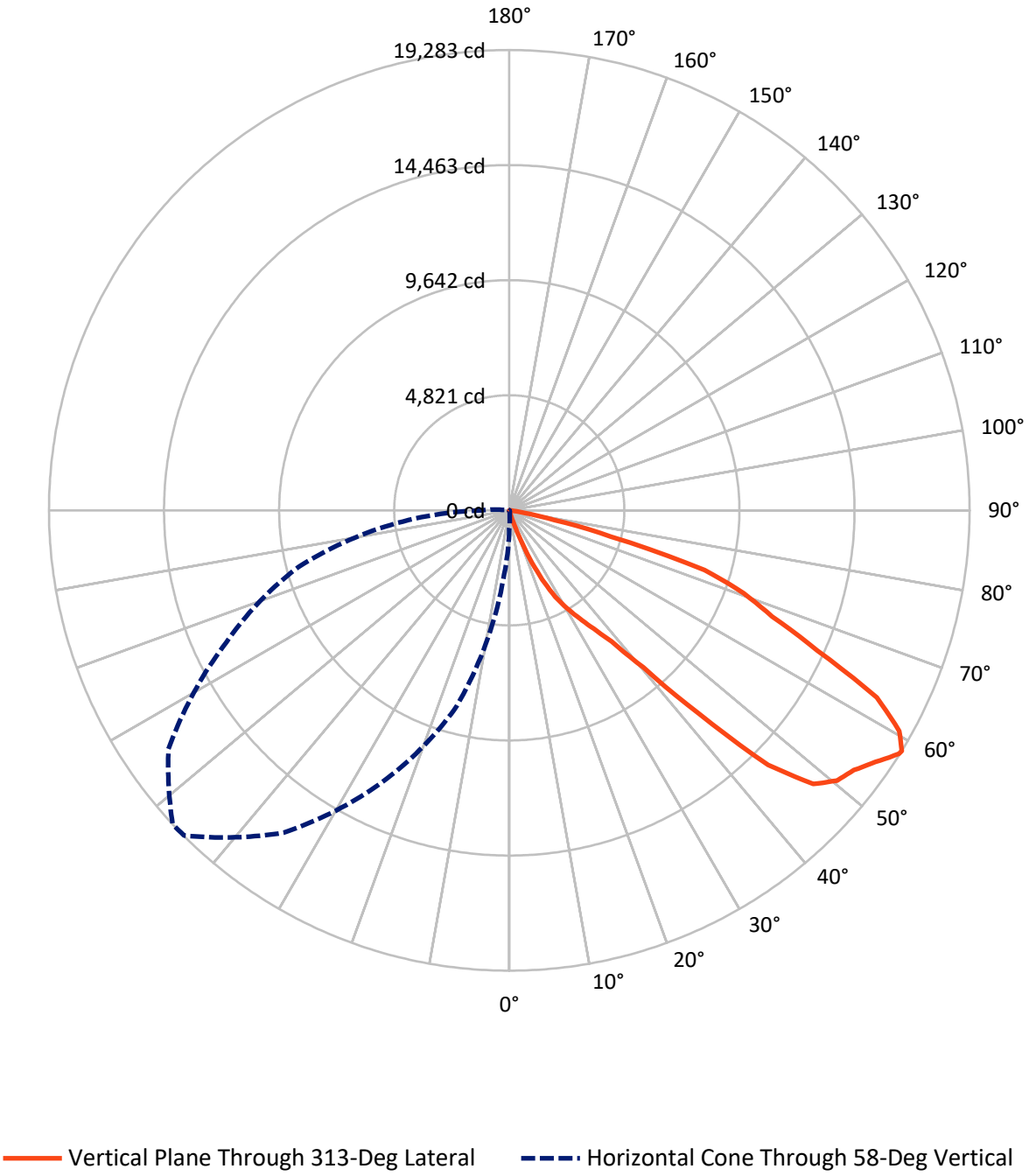
Luminous Intensity Polar Plot



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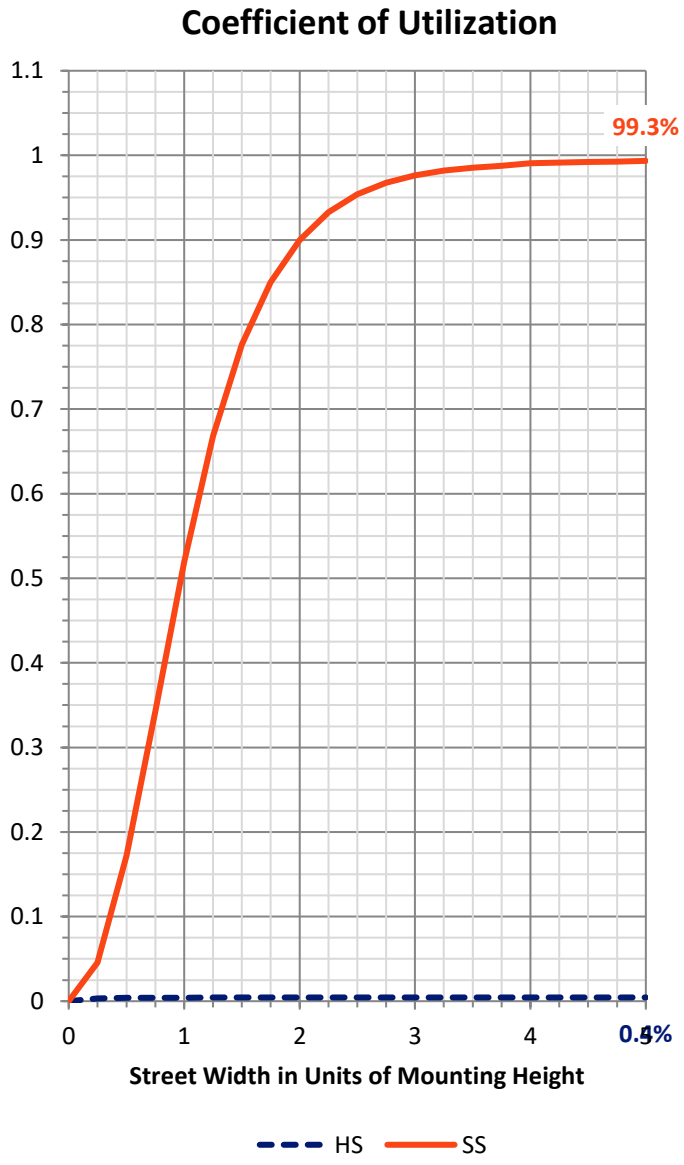
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35.0	0.0	35.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	7803.7	0.0	7803.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	7838.7	0.0	7838.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	13.6	0.2
20°-30°	198.0	2.5
30°-40°	569.1	7.3
40°-50°	1621.1	20.7
50°-60°	2549.9	32.5
60°-70°	2174.5	27.7
70°-80°	693.6	8.8
80°-90°	17.7	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°	7838.7	100.0
0°-180°	7838.7	100.0



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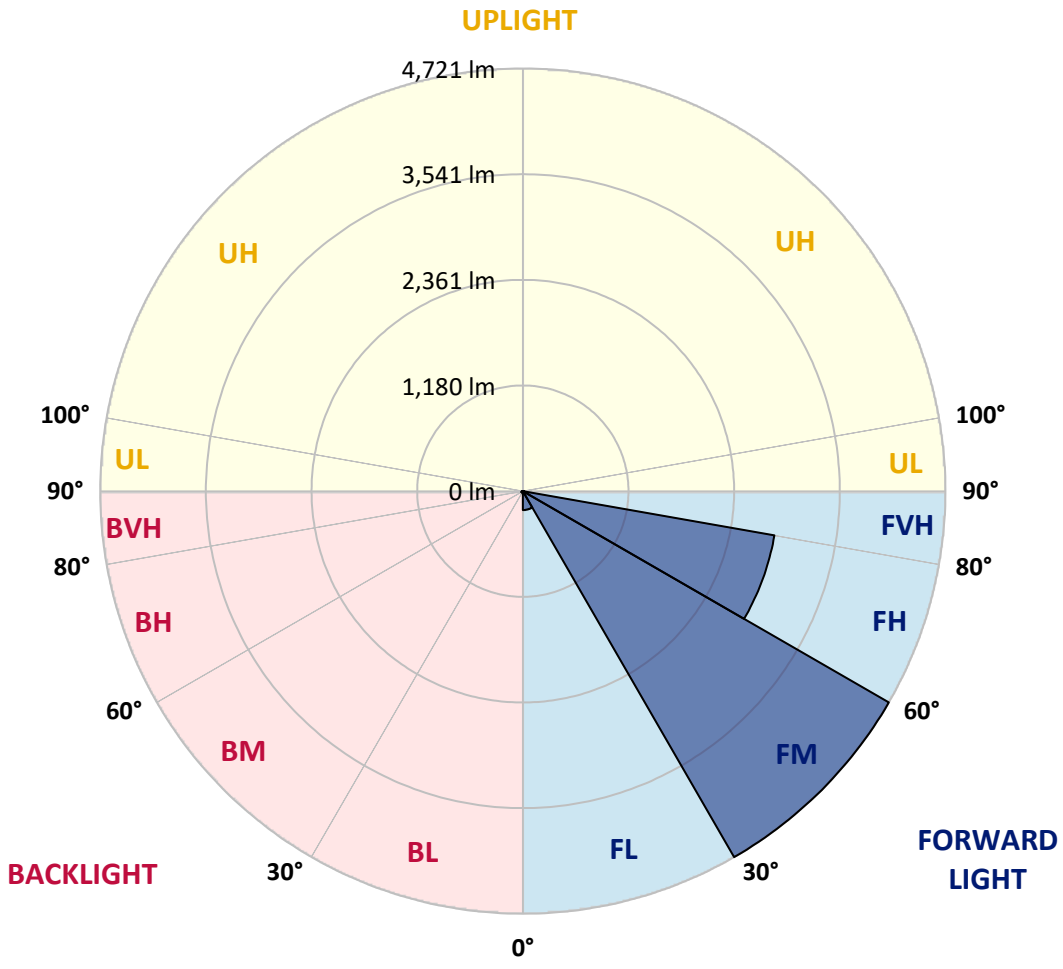
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	211.3	2.7			
FM	(30°-60°)	4721.4	60.2			
FH	(60°-80°)	2854.3	36.4			G2/5000
FVH	(80°-90°)	16.7	0.2			G1/100
BL	(0°-30°)	1.4	0.0	B0/110		
BM	(30°-60°)	18.8	0.2	B0/220		
BH	(60°-80°)	13.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	28.2	29.8	31.4	29.8	26.7	20.4	20.4	15.7	11.0	6.3	4.7
5°	31.4	31.4	31.4	29.8	26.7	20.4	18.8	14.1	9.4	6.3	3.1
7.5°	34.5	34.5	32.9	29.8	25.1	20.4	18.8	14.1	9.4	4.7	0.0
10°	37.7	37.7	34.5	31.4	25.1	18.8	17.3	12.6	7.8	3.1	0.0
12.5°	42.4	40.8	36.1	31.4	25.1	17.3	17.3	12.6	6.3	1.6	0.0
15°	48.6	43.9	37.7	31.4	23.5	17.3	15.7	11.0	4.7	0.0	0.0
17.5°	53.3	48.6	39.2	29.8	22.0	15.7	14.1	9.4	4.7	0.0	0.0
20°	58.0	50.2	39.2	29.8	22.0	14.1	12.6	7.8	1.6	0.0	0.0
22.5°	65.9	53.3	39.2	29.8	20.4	12.6	11.0	6.3	0.0	0.0	0.0
25°	81.6	56.5	39.2	28.2	18.8	11.0	9.4	3.1	0.0	0.0	0.0
27.5°	100.4	61.2	39.2	26.7	17.3	9.4	7.8	1.6	0.0	0.0	0.0
30°	120.8	65.9	39.2	26.7	15.7	7.8	6.3	0.0	0.0	0.0	0.0
32.5°	142.8	72.2	39.2	25.1	14.1	6.3	4.7	0.0	0.0	0.0	0.0
35°	183.5	81.6	39.2	25.1	12.6	4.7	3.1	0.0	0.0	0.0	0.0
37.5°	202.4	94.1	39.2	23.5	12.6	3.1	1.6	0.0	0.0	0.0	0.0
40°	210.2	91.0	37.7	23.5	11.0	1.6	0.0	0.0	0.0	0.0	0.0
42.5°	227.5	84.7	39.2	22.0	11.0	1.6	0.0	0.0	0.0	0.0	0.0
45°	277.7	84.7	42.4	22.0	9.4	3.1	0.0	0.0	0.0	0.0	0.0
47.5°	481.6	87.9	40.8	22.0	9.4	3.1	0.0	0.0	0.0	0.0	0.0
50°	792.2	103.5	39.2	23.5	11.0	1.6	0.0	0.0	0.0	0.0	0.0
52.5°	919.3	125.5	39.2	25.1	14.1	0.0	0.0	0.0	0.0	0.0	0.0
55°	881.7	153.7	39.2	26.7	17.3	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	801.6	145.9	42.4	31.4	22.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*771.8*	*145.9*	*42.4*	*31.4*	*22.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	605.5	149.0	48.6	34.5	23.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	450.2	152.2	54.9	39.2	23.5	1.6	0.0	0.0	0.0	0.0	0.0
65°	334.1	158.4	58.0	45.5	22.0	3.1	0.0	0.0	0.0	0.0	0.0
67.5°	266.7	163.2	62.8	50.2	25.1	6.3	1.6	0.0	0.0	0.0	0.0
70°	229.0	156.9	67.5	51.8	23.5	9.4	4.7	0.0	0.0	0.0	0.0
72.5°	203.9	147.5	76.9	50.2	25.1	9.4	4.7	0.0	0.0	0.0	0.0
75°	183.5	134.9	87.9	48.6	25.1	9.4	6.3	0.0	0.0	0.0	0.0
77.5°	138.1	117.7	86.3	47.1	23.5	9.4	6.3	0.0	0.0	0.0	0.0
80°	69.0	78.4	75.3	42.4	18.8	7.8	6.3	1.6	0.0	0.0	0.0
82.5°	28.2	29.8	37.7	31.4	15.7	6.3	6.3	1.6	0.0	0.0	0.0
85°	3.1	6.3	11.0	12.6	11.0	6.3	6.3	1.6	0.0	0.0	0.0
87.5°	0.0	1.6	6.3	9.4	7.8	4.7	3.1	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°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	3.1	3.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	1.6	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°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	1.6	3.1	3.1	3.1	4.7	4.7	6.3	7.8	7.8	7.8	9.4
5°	0.0	0.0	1.6	1.6	3.1	4.7	6.3	9.4	11.0	11.0	12.6
7.5°	0.0	0.0	0.0	1.6	3.1	4.7	6.3	9.4	12.6	14.1	15.7
10°	0.0	0.0	0.0	0.0	1.6	3.1	6.3	11.0	15.7	18.8	22.0
12.5°	0.0	0.0	0.0	0.0	0.0	1.6	6.3	12.6	18.8	23.5	26.7
15°	0.0	0.0	0.0	0.0	0.0	1.6	6.3	12.6	23.5	28.2	34.5
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.3	14.1	26.7	34.5	47.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.1	29.8	42.4	70.6
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.1	32.9	54.9	130.2
25°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	14.1	37.7	81.6	216.5
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.7	45.5	114.5	316.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	15.7	56.5	155.3	442.4
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	15.7	65.9	196.1	602.4
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	78.4	260.4	756.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	97.3	287.1	886.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	92.6	312.2	1035.4
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	84.7	348.3	1269.1
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	84.7	461.2	1786.8
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	103.5	718.5	2731.2
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	133.3	1102.8	3889.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	161.6	1357.0	4560.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	194.5	1358.6	4538.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	216.5	1215.8	4096.1
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*11.0*	*214.9*	*1176.6*	*3973.7*
60°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	15.7	188.3	1021.3	3468.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.3	25.1	164.7	732.6	2875.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	12.6	28.2	150.6	531.8	2158.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.7	32.9	144.3	376.5	1501.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	18.8	37.7	133.3	269.8	988.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.8	47.1	125.5	211.8	596.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	18.8	59.6	109.8	172.6	320.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	18.8	64.3	91.0	125.5	194.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	17.3	58.0	65.9	54.9	65.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	9.4	34.5	14.1	14.1	22.0
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

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

Scaled Data Report

REPORT NUMBER: P991293
CATALOG NUMBER: GPC-SA2C-830-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	11.0	11.0	11.0	*11.0*	11.0	11.0	11.0	11.0	11.0	11.0
2.5°	11.0	11.0	11.0	*11.0*	12.6	12.6	17.3	22.0	26.7	28.2
5°	14.1	15.7	17.3	*17.3*	17.3	18.8	22.0	25.1	29.8	31.4
7.5°	20.4	22.0	25.1	*25.1*	25.1	26.7	28.2	31.4	34.5	34.5
10°	26.7	31.4	32.9	*34.5*	36.1	36.1	36.1	37.7	39.2	37.7
12.5°	36.1	42.4	50.2	*51.8*	51.8	51.8	50.2	47.1	43.9	42.4
15°	50.2	69.0	94.1	*103.5*	98.8	87.9	76.9	59.6	51.8	48.6
17.5°	92.6	188.3	342.0	*378.1*	370.2	318.5	186.7	91.0	61.2	53.3
20°	249.4	608.7	1004.0	*1099.7*	1149.9	952.2	550.6	211.8	75.3	58.0
22.5°	538.1	1264.4	1959.4	*2207.3*	2223.0	1788.4	1071.5	429.8	108.2	65.9
25°	866.0	2022.1	2969.7	*3209.7*	3214.4	2756.3	1713.1	696.5	164.7	81.6
27.5°	1327.2	2834.8	3895.3	*4094.5*	4091.4	3627.0	2475.5	1063.6	230.6	100.4
30°	1799.4	3468.6	4505.5	*4753.4*	4776.9	4221.6	3112.4	1498.2	301.2	120.8
32.5°	2266.9	3937.6	5062.4	*5391.9*	5371.5	4747.1	3556.4	1854.3	422.0	142.8
35°	2635.5	4337.7	5679.0	*6083.7*	6099.4	5324.4	3950.2	2199.4	525.5	183.5
37.5°	2950.9	4853.8	6499.4	*6966.9*	6987.3	6042.9	4362.8	2538.3	615.0	202.4
40°	3339.9	5700.9	7858.0	*8651.8*	8654.9	7382.6	5104.8	2917.9	735.8	210.2
42.5°	4213.7	7516.0	10512.4	*11652.8*	11751.7	10162.5	6791.2	3741.5	925.6	227.5
45°	5961.3	9908.4	13897.8	*15210.8*	15336.3	13621.7	9682.5	5642.9	1342.9	277.7
47.5°	8040.0	11988.6	15865.0	*17129.4*	17212.6	15257.9	11618.3	7842.3	2285.7	481.6
50°	9318.5	12758.8	16588.2	*17794.6*	17808.7	15796.0	12225.5	8984.4	3256.8	792.2
52.5°	9715.4	12857.7	16616.4	*18075.4*	18116.2	15733.2	12308.6	9215.0	3661.5	919.3
55°	9553.8	12799.6	16914.5	*18611.9*	18655.9	15988.9	12252.1	8962.4	3471.7	881.7
57.5°	9185.2	13025.5	17404.0	*19248.9*	19248.9	16461.1	12460.8	8538.8	3007.3	801.6
58°	*9130.3*	*13082.0*	*17430.6*	*19283.4*	*19269.2*	*16490.9*	*12547.1*	*8477.7*	*2905.4*	*771.8*
60°	9055.0	13256.1	17233.0	*18773.5*	18732.7	16280.7	12703.9	8422.7	2411.2	605.5
62.5°	8945.1	12863.9	15792.8	*17273.8*	17168.7	14807.7	12253.7	8101.1	1799.4	450.2
65°	8382.0	11416.0	13165.1	*14191.1*	14158.2	12181.5	10546.9	7257.1	1295.8	334.1
67.5°	7065.8	8937.3	10634.7	*11870.9*	11878.8	9944.5	8248.6	5799.8	881.7	266.7
70°	4969.9	6592.0	9040.8	*10416.7*	10479.4	8341.2	6110.4	3865.5	582.0	229.0
72.5°	2968.1	4979.3	7517.6	*8562.4*	8529.4	6921.4	4533.8	2304.5	354.5	203.9
75°	1438.6	2976.0	3799.6	*4406.7*	4381.6	3462.3	2415.9	1129.5	258.8	183.5
77.5°	390.6	914.6	1471.5	*1913.9*	1965.7	1386.8	792.2	302.8	161.6	138.1
80°	131.8	282.4	480.0	*652.6*	669.9	599.3	298.1	106.7	70.6	69.0
82.5°	50.2	69.0	87.9	*78.4*	78.4	81.6	64.3	45.5	32.9	28.2
85°	0.0	0.0	1.6	*3.1*	3.1	4.7	4.7	4.7	3.1	3.1
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

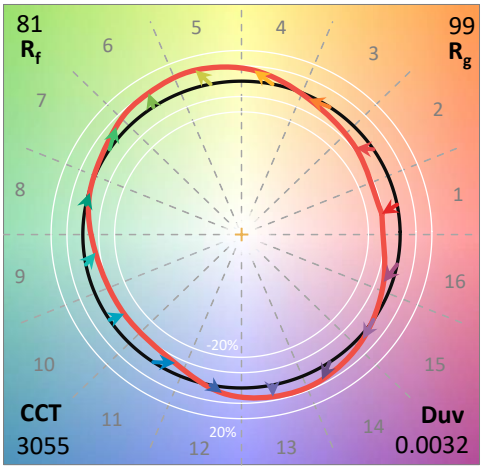
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

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

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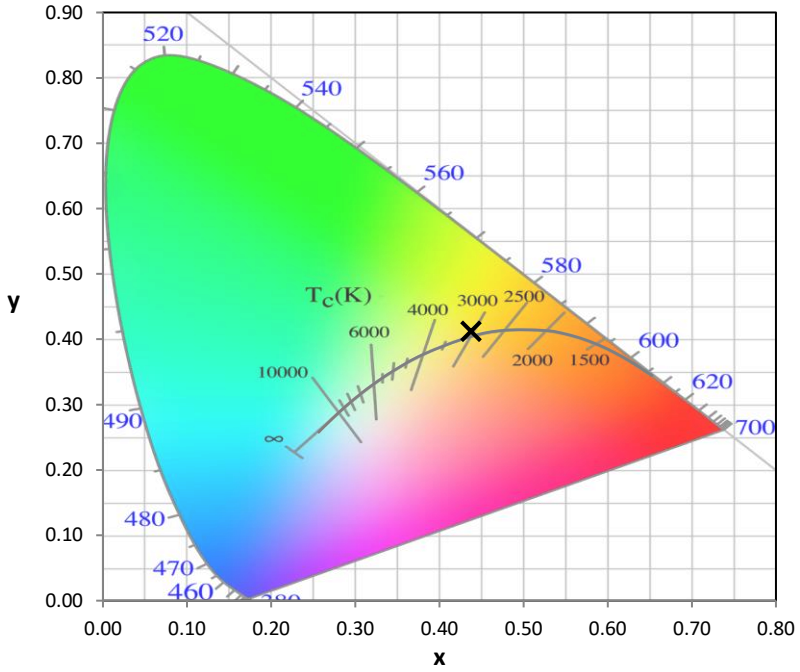
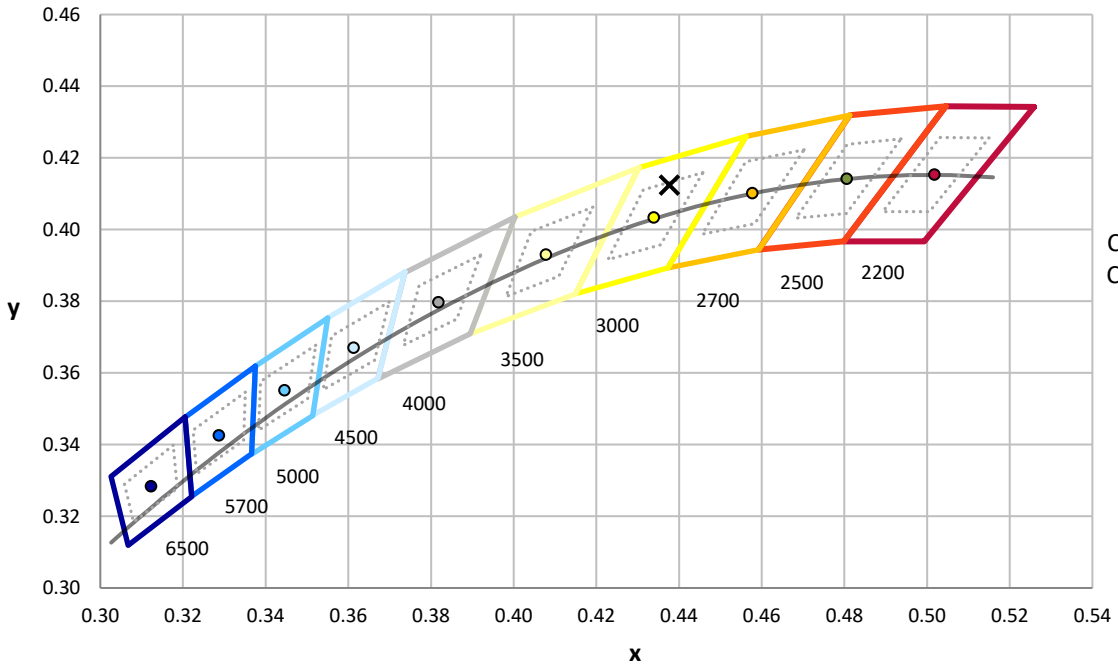
CIE 1931 Chromaticity Diagram



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

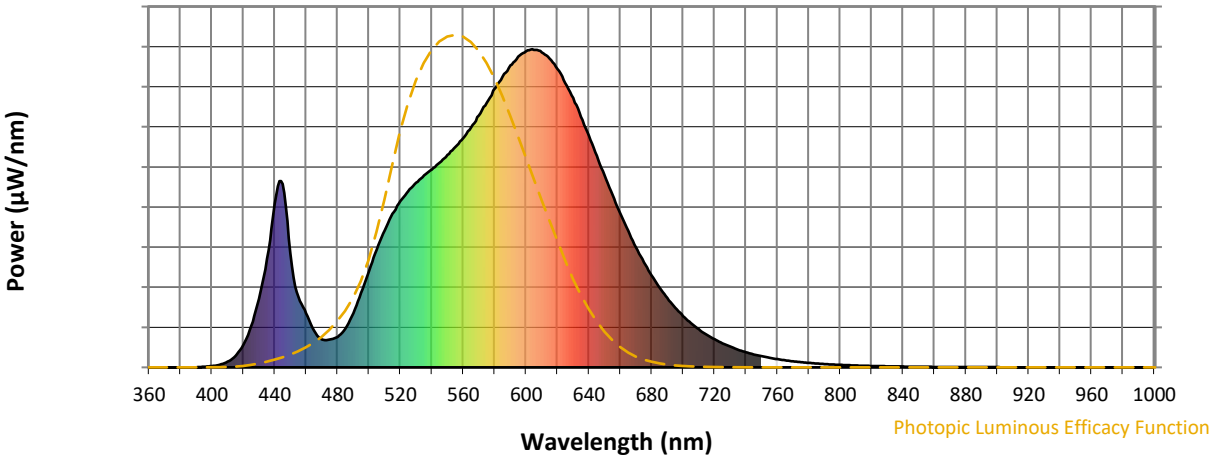


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

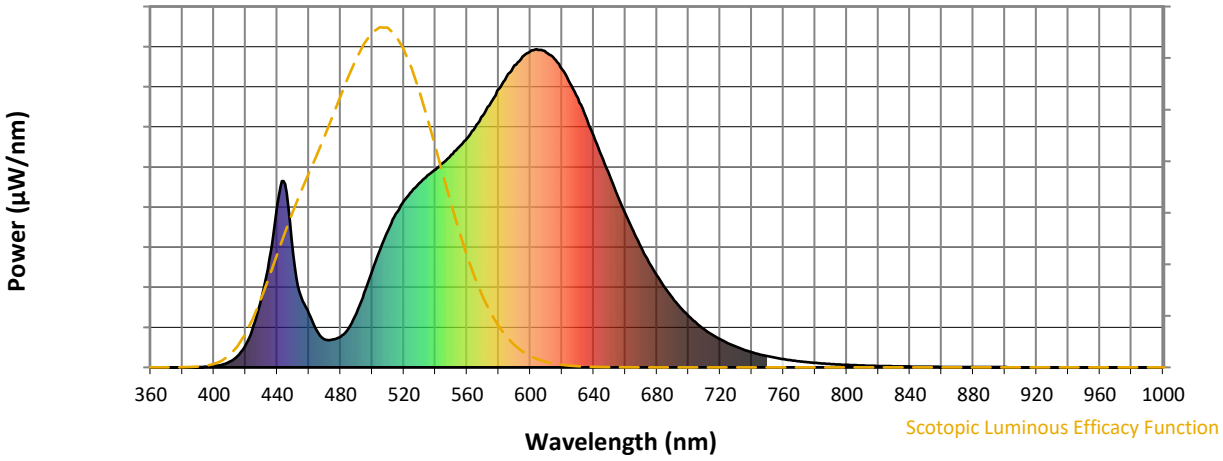


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

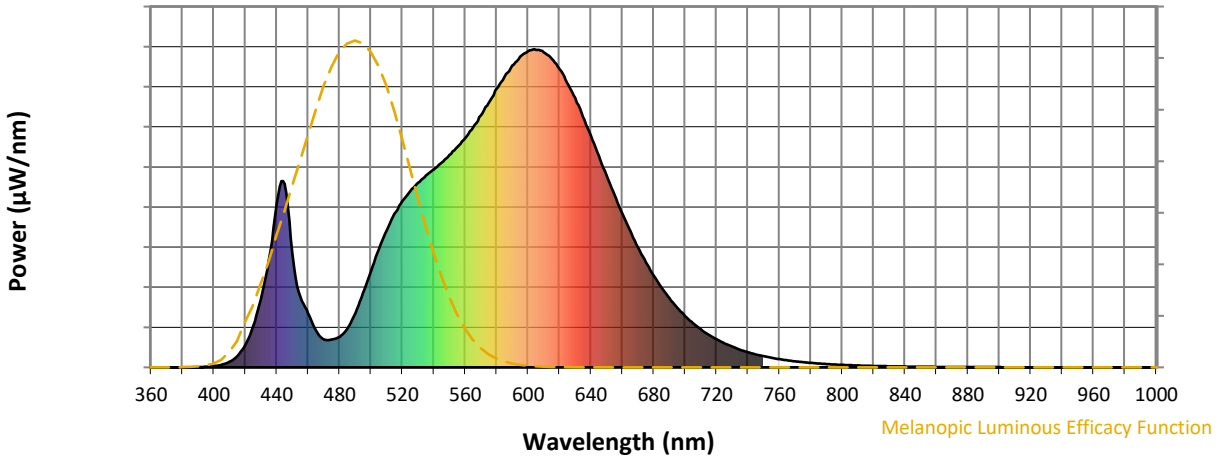


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

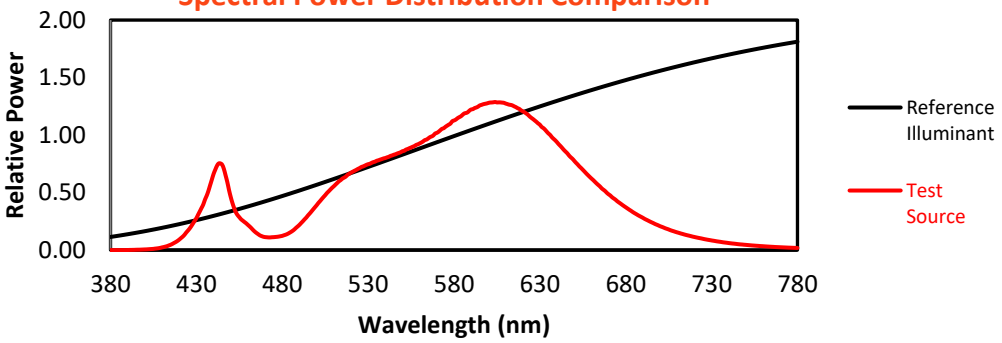
REPORT NUMBER: SP1-2407-184-9

TM-30-18

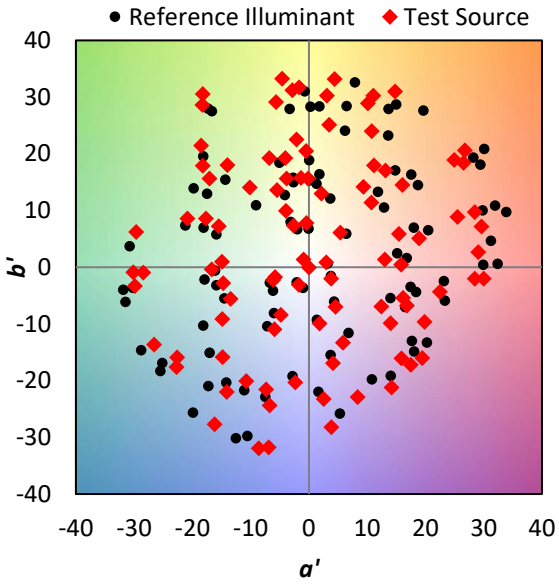
Summary

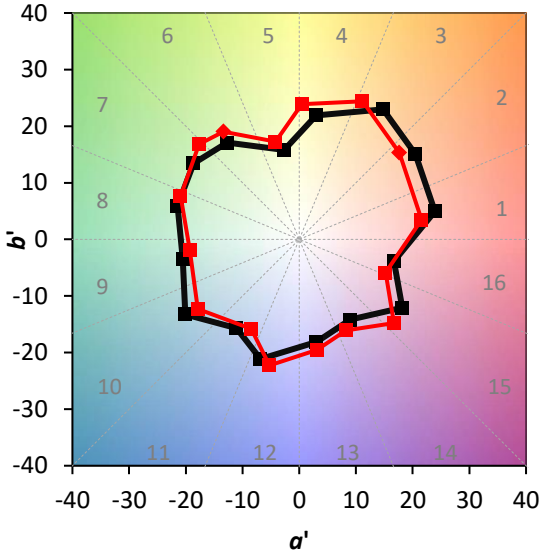
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

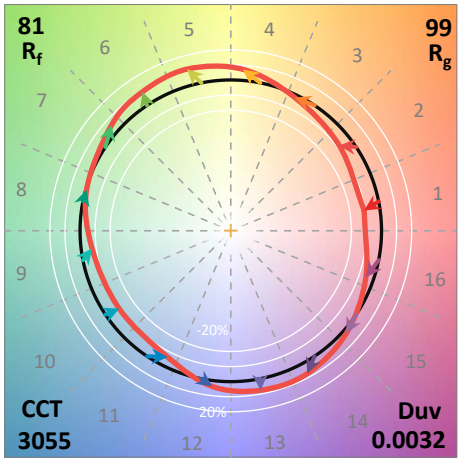
Spectral Power Distribution Comparison

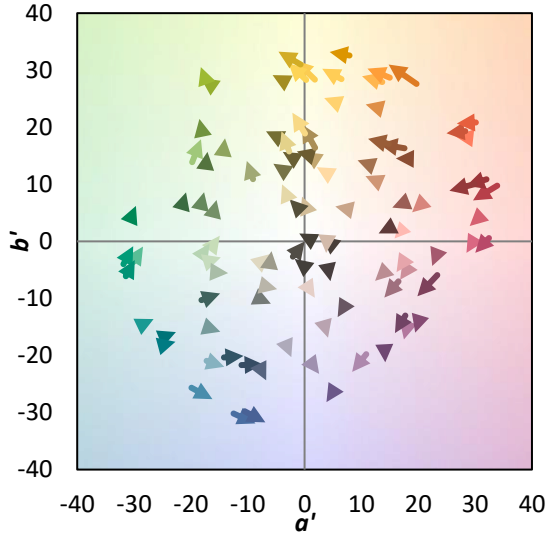


Color Vector Graphics







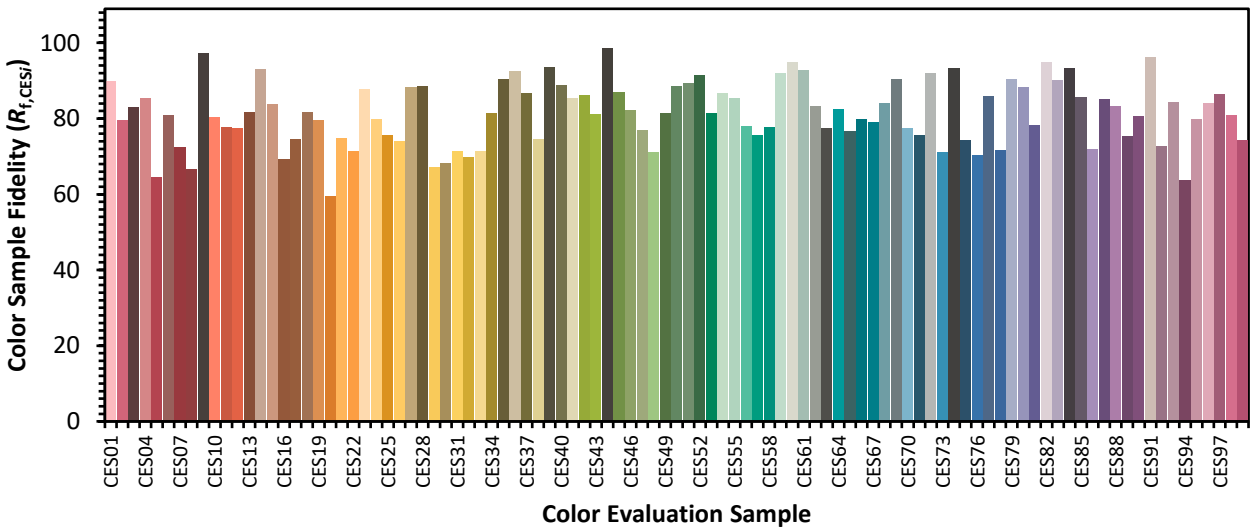


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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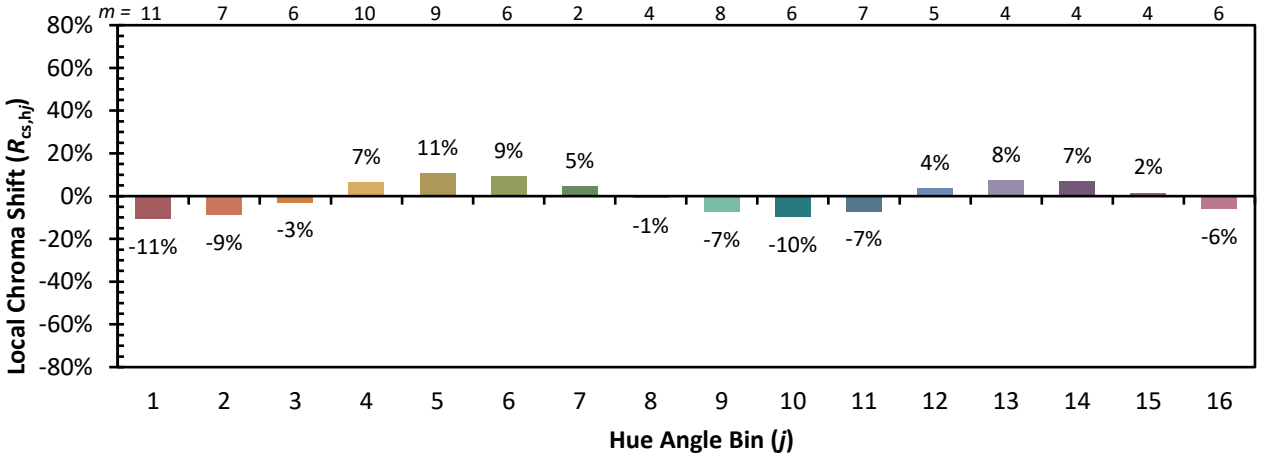
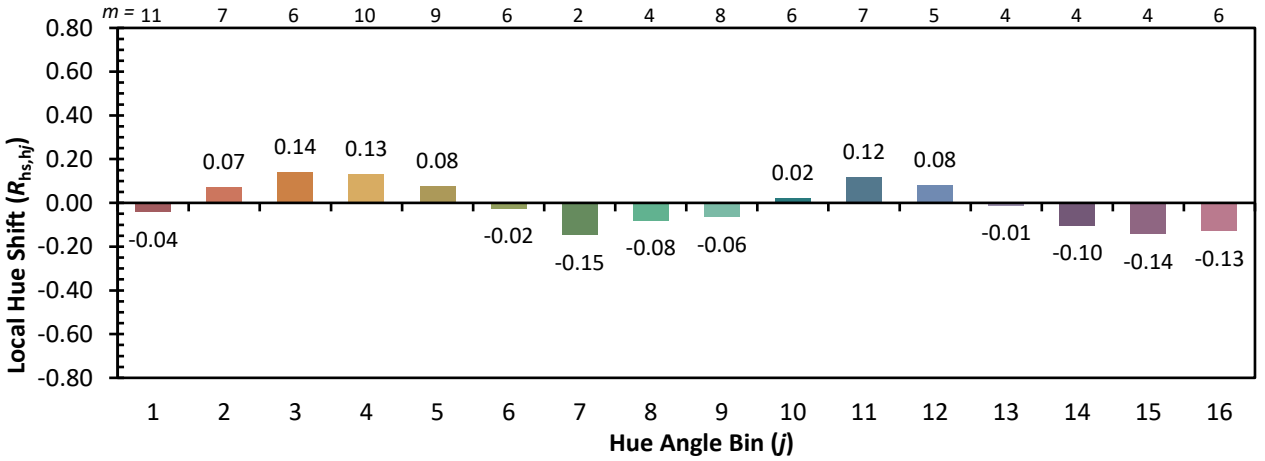
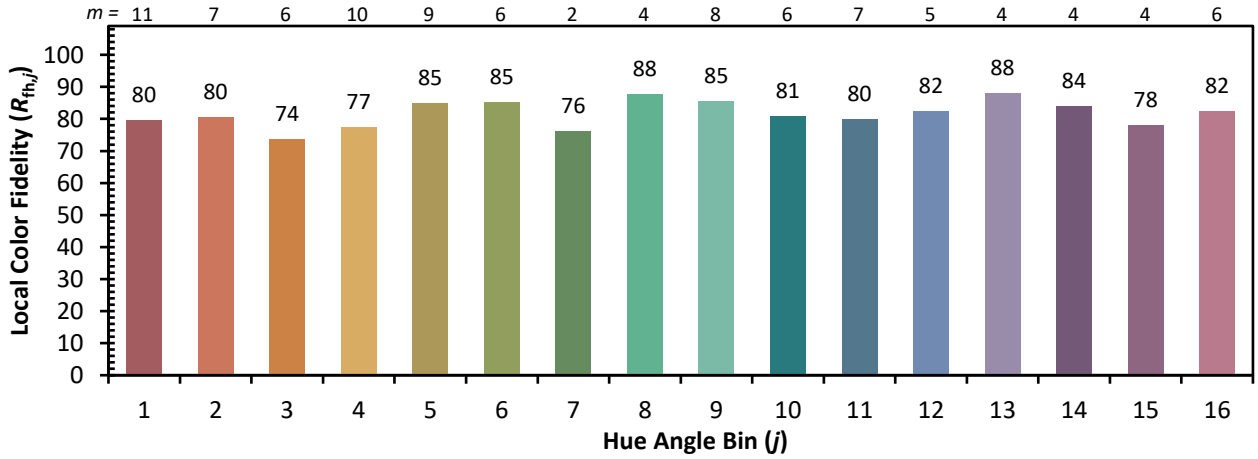
Color Rendition by Hue-Angle Bin







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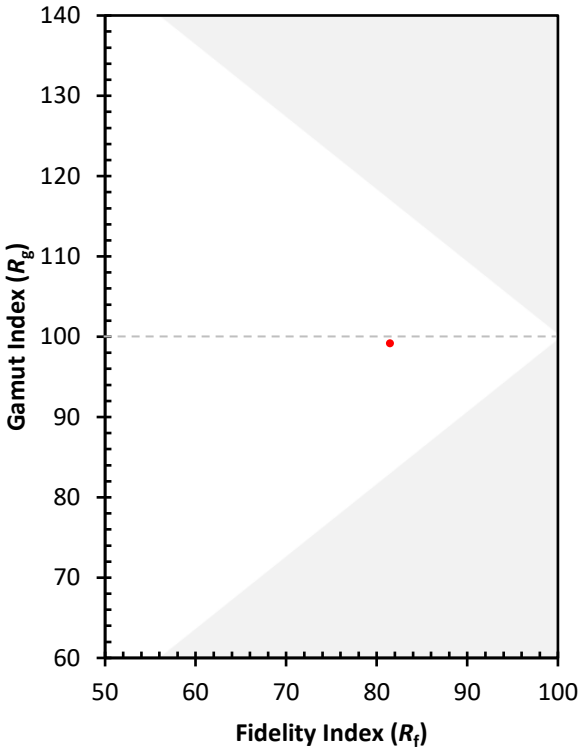
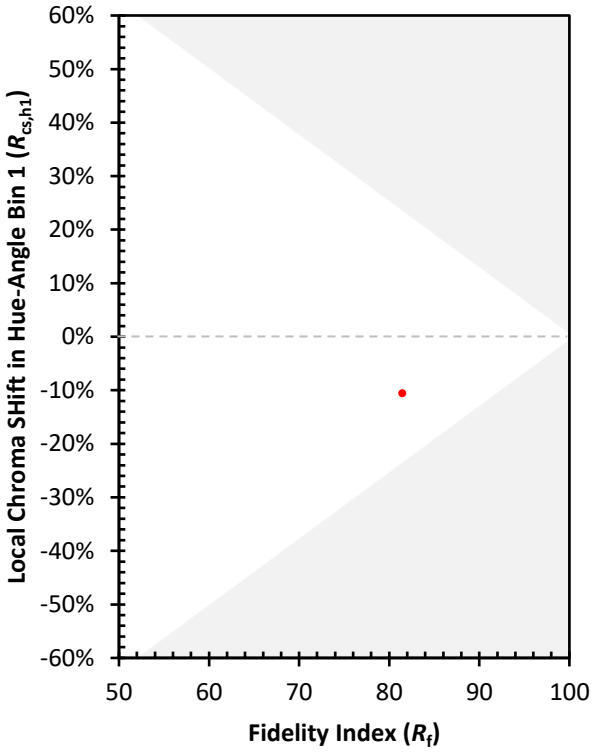
Measure Comparisons





(END OF REPORT)