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: P991288

Luminaire Tested: **GPC-SA1D-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:	P991288
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1D-830-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 1200mA 1xLight Square PACKAGE 80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(14) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4352.3 lumens
Efficiency:	N/A
Efficacy:	77.6 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	56.1
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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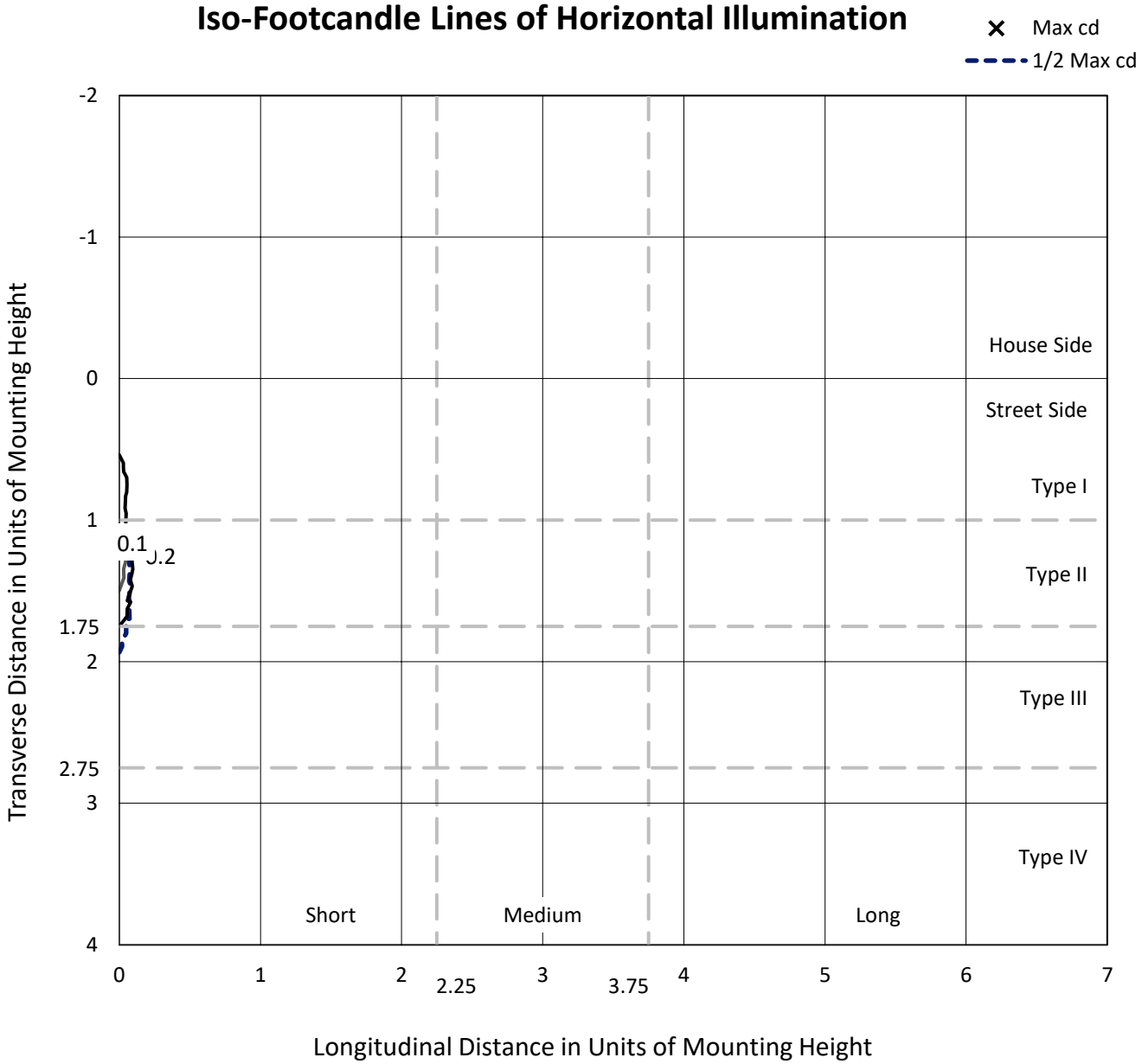
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 0.3 fc
Type III - Short - N/A

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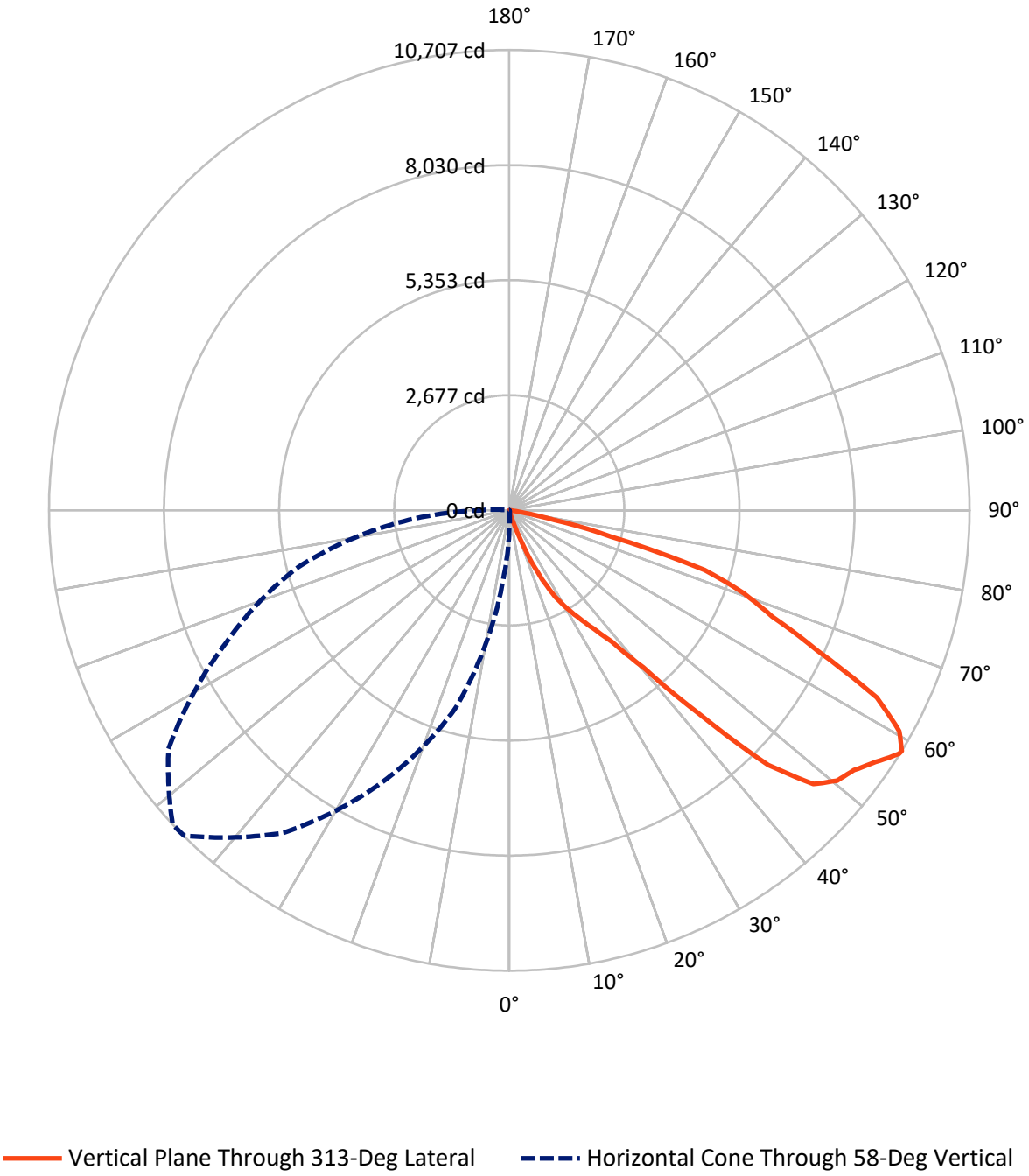
Luminous Intensity Polar Plot



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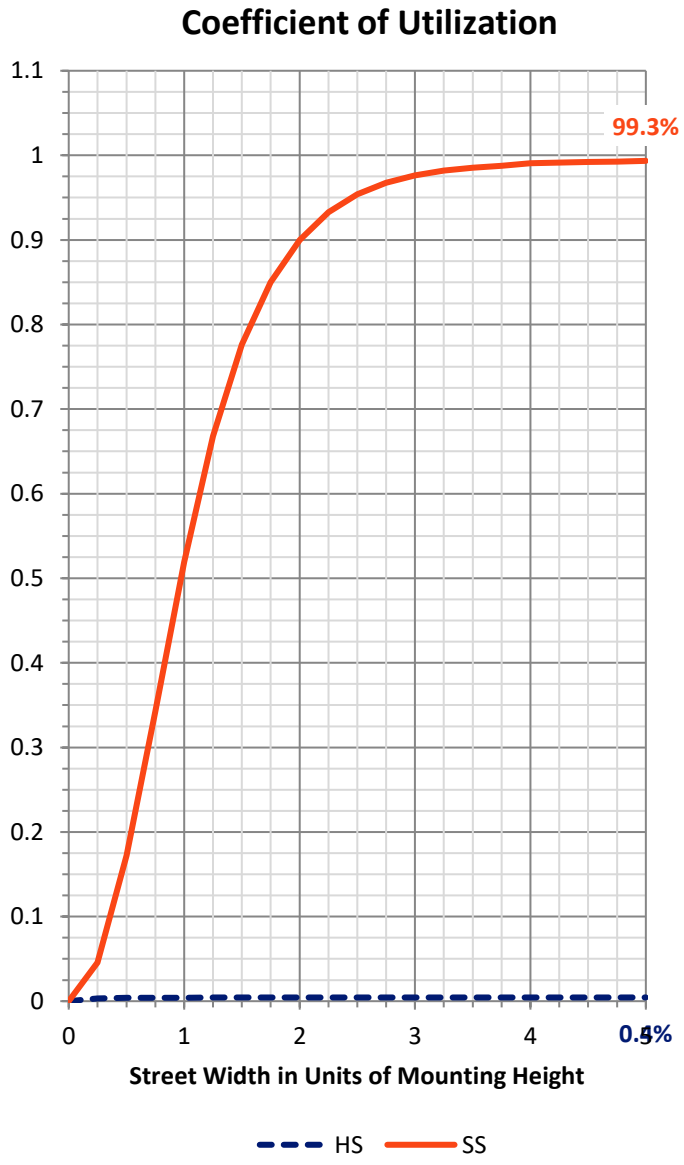
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.5	0.0	19.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4332.9	0.0	4332.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	4352.3	0.0	4352.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	7.6	0.2
20°-30°	109.9	2.5
30°-40°	316.0	7.3
40°-50°	900.1	20.7
50°-60°	1415.8	32.5
60°-70°	1207.4	27.7
70°-80°	385.1	8.8
80°-90°	9.8	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°	4352.3	100.0
0°-180°	4352.3	100.0



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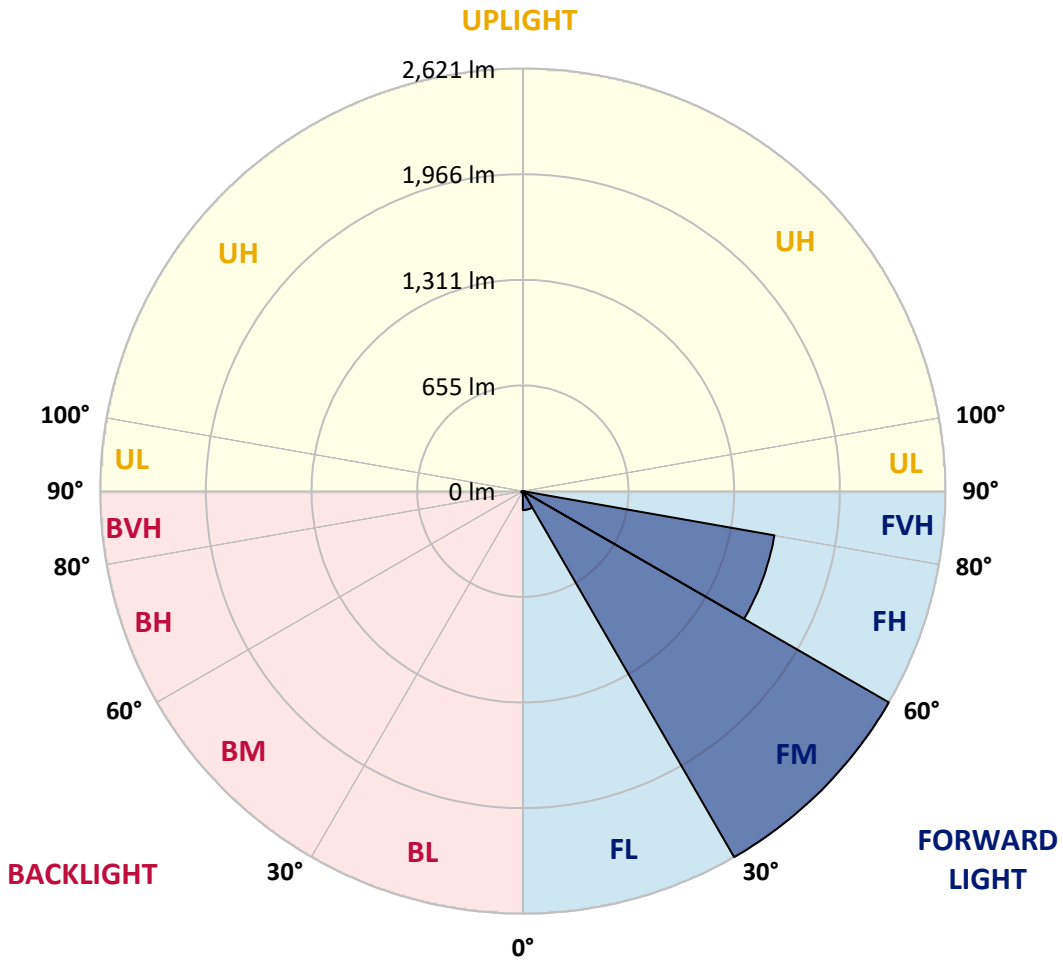
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	117.3	2.7			
FM	(30°-60°)	2621.5	60.2			
FH	(60°-80°)	1584.8	36.4			G1/1800
FVH	(80°-90°)	9.3	0.2			G0/10
BL	(0°-30°)	0.8	0.0	B0/110		
BM	(30°-60°)	10.4	0.2	B0/220		
BH	(60°-80°)	7.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	15.7	16.5	17.4	16.5	14.8	11.3	11.3	8.7	6.1	3.5	2.6
5°	17.4	17.4	17.4	16.5	14.8	11.3	10.5	7.8	5.2	3.5	1.7
7.5°	19.2	19.2	18.3	16.5	13.9	11.3	10.5	7.8	5.2	2.6	0.0
10°	20.9	20.9	19.2	17.4	13.9	10.5	9.6	7.0	4.4	1.7	0.0
12.5°	23.5	22.6	20.0	17.4	13.9	9.6	9.6	7.0	3.5	0.9	0.0
15°	27.0	24.4	20.9	17.4	13.1	9.6	8.7	6.1	2.6	0.0	0.0
17.5°	29.6	27.0	21.8	16.5	12.2	8.7	7.8	5.2	2.6	0.0	0.0
20°	32.2	27.9	21.8	16.5	12.2	7.8	7.0	4.4	0.9	0.0	0.0
22.5°	36.6	29.6	21.8	16.5	11.3	7.0	6.1	3.5	0.0	0.0	0.0
25°	45.3	31.4	21.8	15.7	10.5	6.1	5.2	1.7	0.0	0.0	0.0
27.5°	55.7	34.0	21.8	14.8	9.6	5.2	4.4	0.9	0.0	0.0	0.0
30°	67.1	36.6	21.8	14.8	8.7	4.4	3.5	0.0	0.0	0.0	0.0
32.5°	79.3	40.1	21.8	13.9	7.8	3.5	2.6	0.0	0.0	0.0	0.0
35°	101.9	45.3	21.8	13.9	7.0	2.6	1.7	0.0	0.0	0.0	0.0
37.5°	112.4	52.3	21.8	13.1	7.0	1.7	0.9	0.0	0.0	0.0	0.0
40°	116.7	50.5	20.9	13.1	6.1	0.9	0.0	0.0	0.0	0.0	0.0
42.5°	126.3	47.0	21.8	12.2	6.1	0.9	0.0	0.0	0.0	0.0	0.0
45°	154.2	47.0	23.5	12.2	5.2	1.7	0.0	0.0	0.0	0.0	0.0
47.5°	267.4	48.8	22.6	12.2	5.2	1.7	0.0	0.0	0.0	0.0	0.0
50°	439.9	57.5	21.8	13.1	6.1	0.9	0.0	0.0	0.0	0.0	0.0
52.5°	510.4	69.7	21.8	13.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0
55°	489.5	85.4	21.8	14.8	9.6	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	445.1	81.0	23.5	17.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0
58°	*428.5*	*81.0*	*23.5*	*17.4*	*12.2*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	336.2	82.7	27.0	19.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	250.0	84.5	30.5	21.8	13.1	0.9	0.0	0.0	0.0	0.0	0.0
65°	185.5	88.0	32.2	25.3	12.2	1.7	0.0	0.0	0.0	0.0	0.0
67.5°	148.1	90.6	34.8	27.9	13.9	3.5	0.9	0.0	0.0	0.0	0.0
70°	127.2	87.1	37.5	28.7	13.1	5.2	2.6	0.0	0.0	0.0	0.0
72.5°	113.2	81.9	42.7	27.9	13.9	5.2	2.6	0.0	0.0	0.0	0.0
75°	101.9	74.9	48.8	27.0	13.9	5.2	3.5	0.0	0.0	0.0	0.0
77.5°	76.7	65.3	47.9	26.1	13.1	5.2	3.5	0.0	0.0	0.0	0.0
80°	38.3	43.6	41.8	23.5	10.5	4.4	3.5	0.9	0.0	0.0	0.0
82.5°	15.7	16.5	20.9	17.4	8.7	3.5	3.5	0.9	0.0	0.0	0.0
85°	1.7	3.5	6.1	7.0	6.1	3.5	3.5	0.9	0.0	0.0	0.0
87.5°	0.0	0.9	3.5	5.2	4.4	2.6	1.7	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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5°	0.9	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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	0.9	1.7	1.7	1.7	2.6	2.6	3.5	4.4	4.4	4.4	5.2
5°	0.0	0.0	0.9	0.9	1.7	2.6	3.5	5.2	6.1	6.1	7.0
7.5°	0.0	0.0	0.0	0.9	1.7	2.6	3.5	5.2	7.0	7.8	8.7
10°	0.0	0.0	0.0	0.0	0.9	1.7	3.5	6.1	8.7	10.5	12.2
12.5°	0.0	0.0	0.0	0.0	0.0	0.9	3.5	7.0	10.5	13.1	14.8
15°	0.0	0.0	0.0	0.0	0.0	0.9	3.5	7.0	13.1	15.7	19.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	7.8	14.8	19.2	26.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.8	16.5	23.5	39.2
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	7.8	18.3	30.5	72.3
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	7.8	20.9	45.3	120.2
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	8.7	25.3	63.6	175.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	8.7	31.4	86.2	245.6
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.7	36.6	108.9	334.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	43.6	144.6	419.8
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	54.0	159.4	492.1
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	51.4	173.3	574.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	47.0	193.4	704.7
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	47.0	256.1	992.1
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	57.5	398.9	1516.5
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	74.0	612.3	2159.3
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	89.7	753.4	2532.1
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	108.0	754.3	2519.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	120.2	675.1	2274.3
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*6.1*	*119.3*	*653.3*	*2206.3*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.7	104.5	567.0	1925.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	13.9	91.5	406.8	1596.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	7.0	15.7	83.6	295.3	1198.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.7	18.3	80.1	209.0	833.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	20.9	74.0	149.8	548.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	26.1	69.7	117.6	331.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	33.1	61.0	95.8	177.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	35.7	50.5	69.7	108.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	9.6	32.2	36.6	30.5	36.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	19.2	7.8	7.8	12.2
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: P991288
CATALOG NUMBER: GPC-SA1D-830-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	6.1	6.1	6.1	*6.1*	6.1	6.1	6.1	6.1	6.1	6.1
2.5°	6.1	6.1	6.1	*6.1*	7.0	7.0	9.6	12.2	14.8	15.7
5°	7.8	8.7	9.6	*9.6*	9.6	10.5	12.2	13.9	16.5	17.4
7.5°	11.3	12.2	13.9	*13.9*	13.9	14.8	15.7	17.4	19.2	19.2
10°	14.8	17.4	18.3	*19.2*	20.0	20.0	20.0	20.9	21.8	20.9
12.5°	20.0	23.5	27.9	*28.7*	28.7	28.7	27.9	26.1	24.4	23.5
15°	27.9	38.3	52.3	*57.5*	54.9	48.8	42.7	33.1	28.7	27.0
17.5°	51.4	104.5	189.9	*209.9*	205.6	176.8	103.7	50.5	34.0	29.6
20°	138.5	338.0	557.5	*610.6*	638.5	528.7	305.7	117.6	41.8	32.2
22.5°	298.8	702.1	1087.9	*1225.5*	1234.3	993.0	594.9	238.7	60.1	36.6
25°	480.8	1122.8	1648.9	*1782.1*	1784.7	1530.4	951.2	386.7	91.5	45.3
27.5°	736.9	1574.0	2162.8	*2273.4*	2271.7	2013.8	1374.5	590.6	128.0	55.7
30°	999.1	1925.9	2501.6	*2639.2*	2652.3	2344.0	1728.1	831.8	167.2	67.1
32.5°	1258.6	2186.3	2810.8	*2993.7*	2982.4	2635.7	1974.6	1029.6	234.3	79.3
35°	1463.3	2408.4	3153.1	*3377.9*	3386.6	2956.3	2193.3	1221.2	291.8	101.9
37.5°	1638.4	2695.0	3608.7	*3868.3*	3879.6	3355.2	2422.3	1409.3	341.4	112.4
40°	1854.4	3165.3	4363.0	*4803.7*	4805.5	4099.1	2834.3	1620.1	408.5	116.7
42.5°	2339.6	4173.1	5836.8	*6470.0*	6524.9	5642.6	3770.7	2077.4	513.9	126.3
45°	3309.9	5501.4	7716.5	*8445.5*	8515.2	7563.2	5376.0	3133.1	745.6	154.2
47.5°	4464.0	6656.4	8808.8	*9510.8*	9557.0	8471.7	6450.9	4354.3	1269.1	267.4
50°	5173.9	7084.1	9210.3	*9880.1*	9888.0	8770.4	6788.0	4988.4	1808.3	439.9
52.5°	5394.3	7139.0	9226.0	*10036.0*	10058.7	8735.6	6834.1	5116.4	2033.0	510.4
55°	5304.6	7106.8	9391.5	*10333.9*	10358.3	8877.6	6802.8	4976.2	1927.6	489.5
57.5°	5099.9	7232.2	9663.2	*10687.6*	10687.6	9139.8	6918.6	4741.0	1669.8	445.1
58°	*5069.4*	*7263.5*	*9678.1*	*10706.7*	*10698.9*	*9156.3*	*6966.5*	*4707.1*	*1613.2*	*428.5*
60°	5027.6	7360.2	9568.3	*10423.7*	10401.0	9039.6	7053.6	4676.6	1338.8	336.2
62.5°	4966.6	7142.5	8768.7	*9590.9*	9532.6	8221.7	6803.6	4498.0	999.1	250.0
65°	4653.9	6338.5	7309.7	*7879.4*	7861.1	6763.6	5856.0	4029.4	719.5	185.5
67.5°	3923.1	4962.3	5904.7	*6591.1*	6595.5	5521.5	4579.9	3220.2	489.5	148.1
70°	2759.4	3660.1	5019.8	*5783.7*	5818.5	4631.3	3392.7	2146.2	323.2	127.2
72.5°	1648.0	2764.7	4174.0	*4754.1*	4735.8	3843.0	2517.3	1279.5	196.9	113.2
75°	798.7	1652.4	2109.6	*2446.7*	2432.8	1922.4	1341.4	627.1	143.7	101.9
77.5°	216.9	507.8	817.0	*1062.7*	1091.4	770.0	439.9	168.1	89.7	76.7
80°	73.2	156.8	266.5	*362.3*	371.9	332.7	165.5	59.2	39.2	38.3
82.5°	27.9	38.3	48.8	*43.6*	43.6	45.3	35.7	25.3	18.3	15.7
85°	0.0	0.0	0.9	*1.7*	1.7	2.6	2.6	2.6	1.7	1.7
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

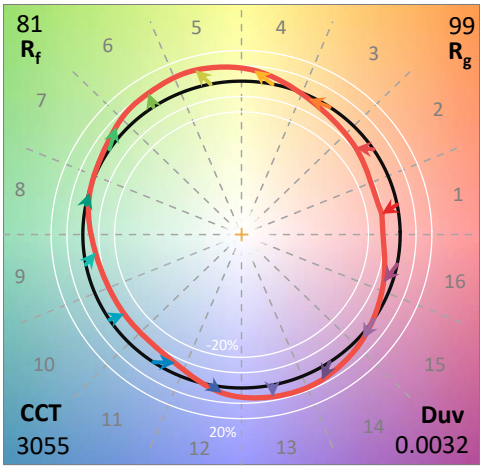
Test Information

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

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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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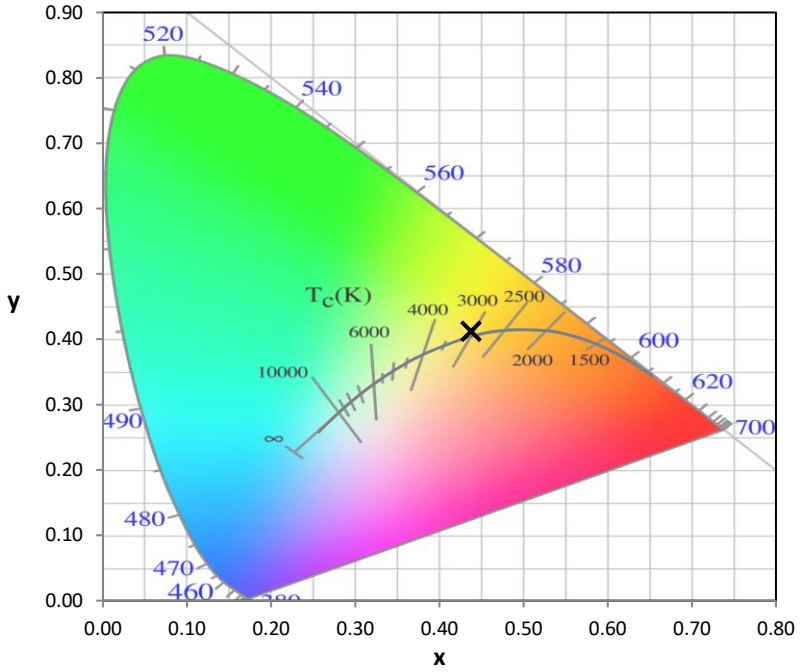
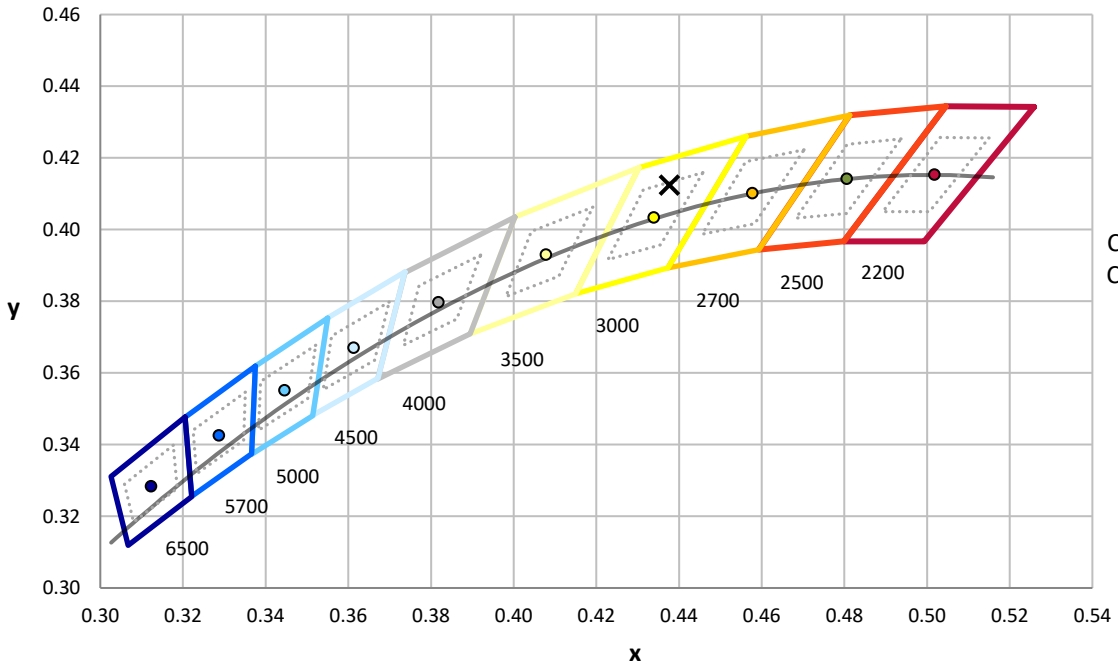
CIE 1931 Chromaticity Diagram



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

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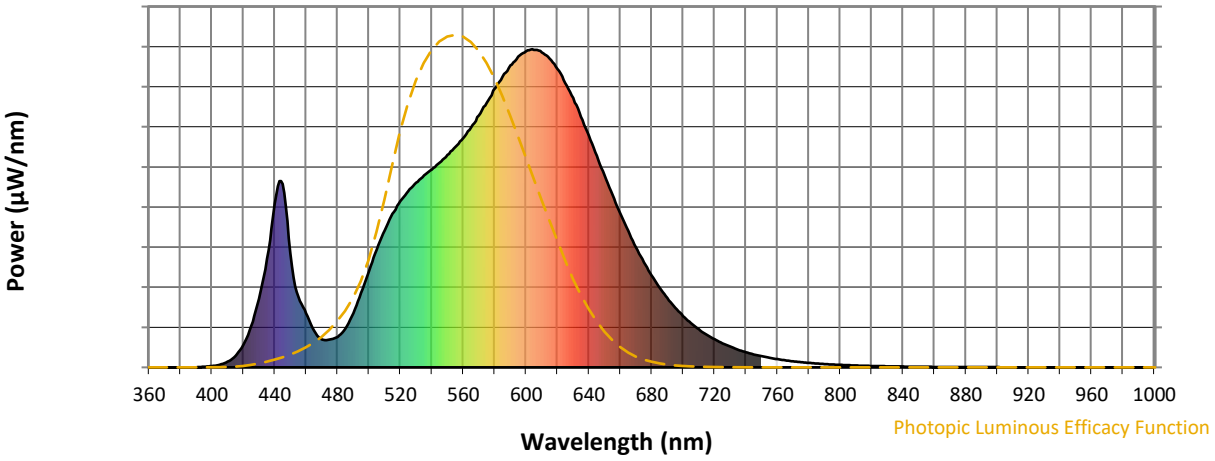
Photopic Flux vs. Wavelength



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			

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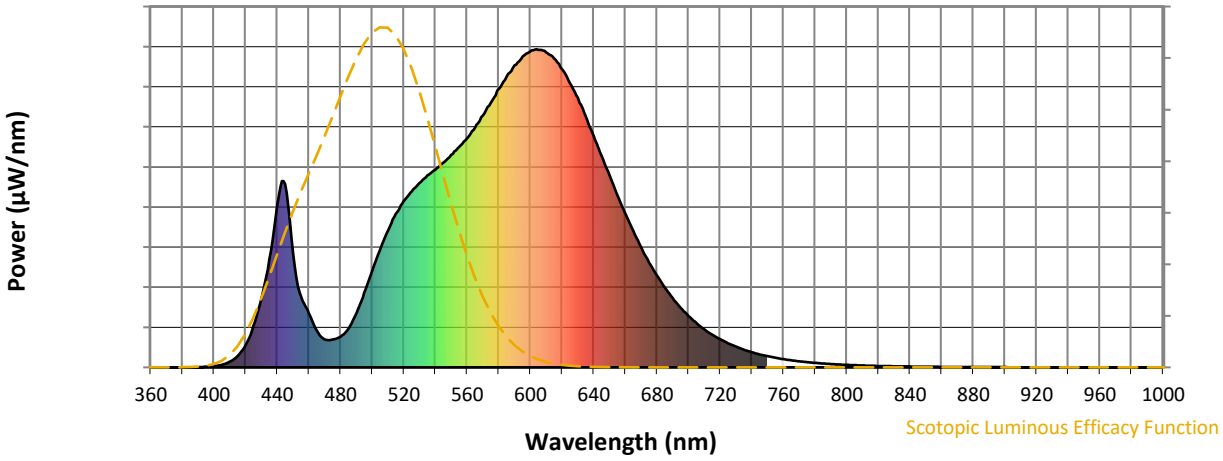
Scotopic Flux vs. Wavelength



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			

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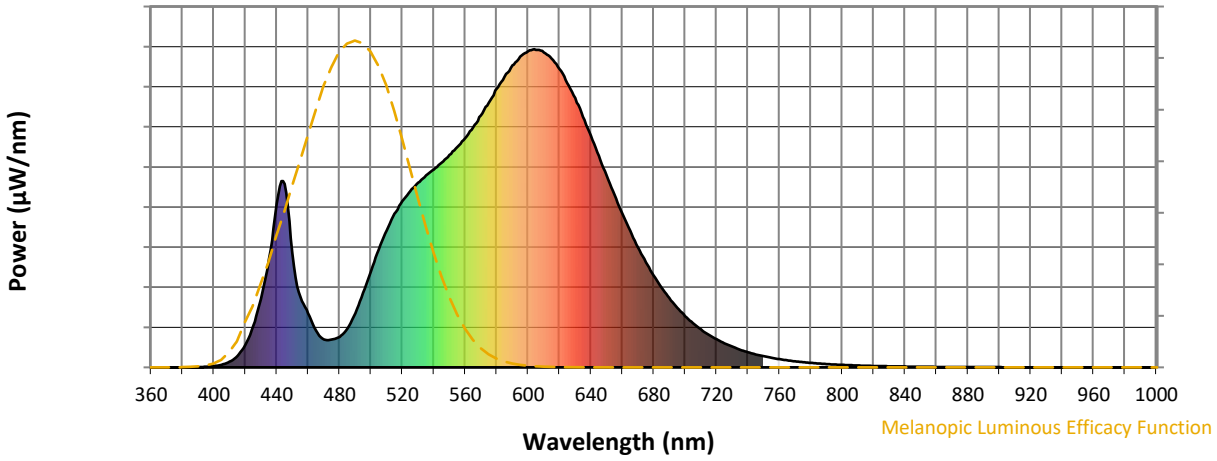
Melanopic Flux vs. Wavelength



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			

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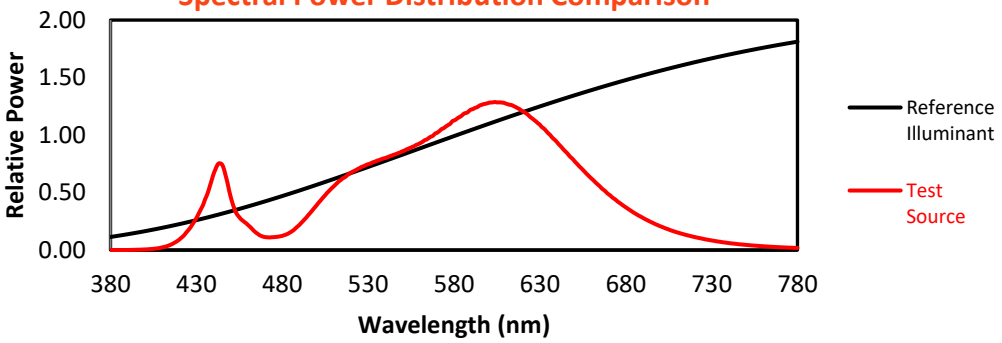
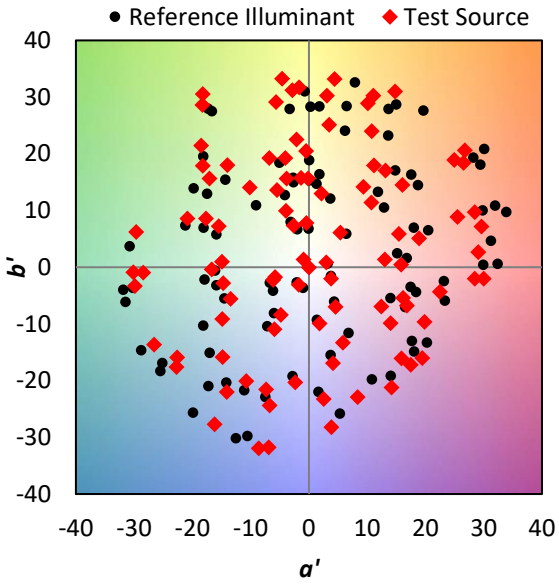
Summary

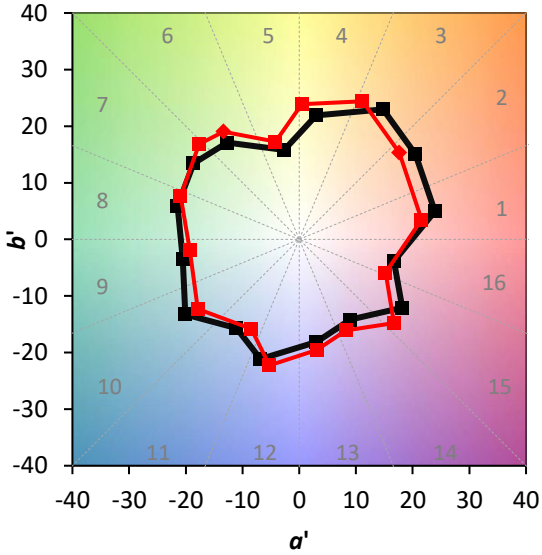
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

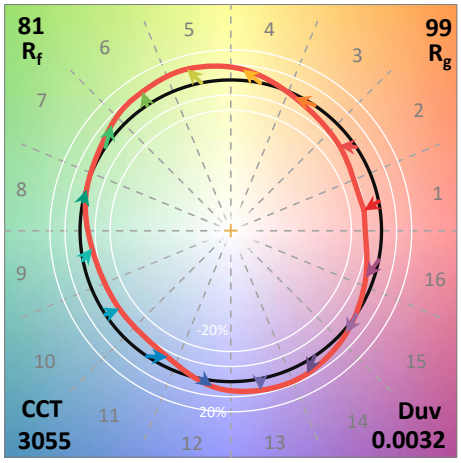
Spectral Power Distribution Comparison

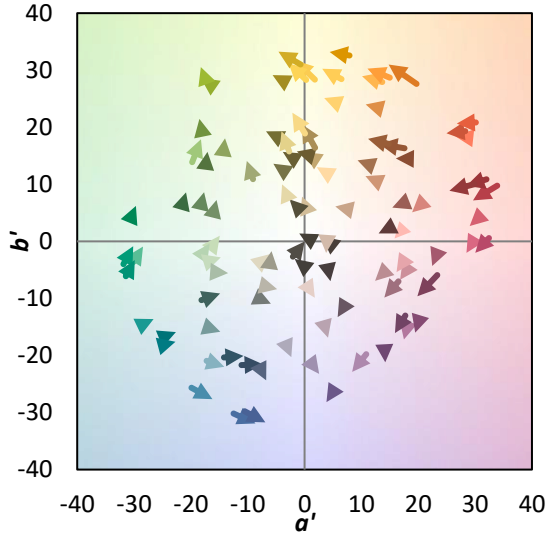


Color Vector Graphics









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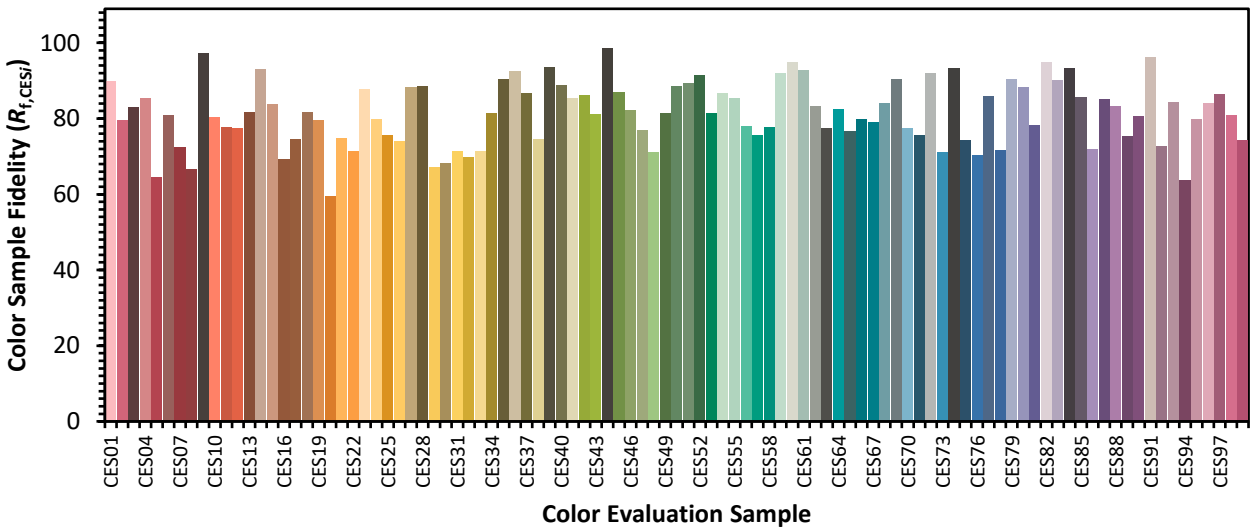
Individual Sample Fidelity Index ($R_{f,i}$)

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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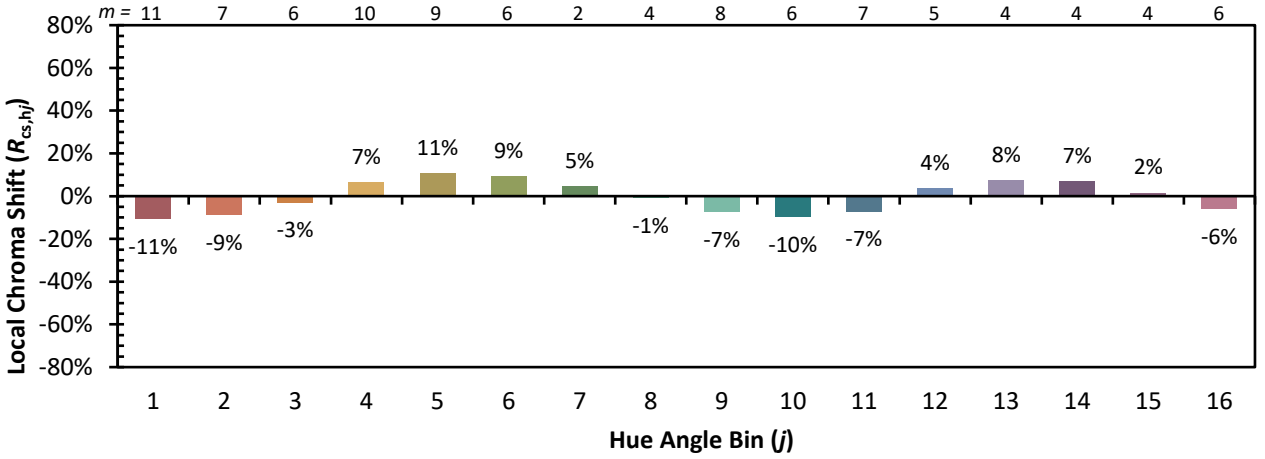
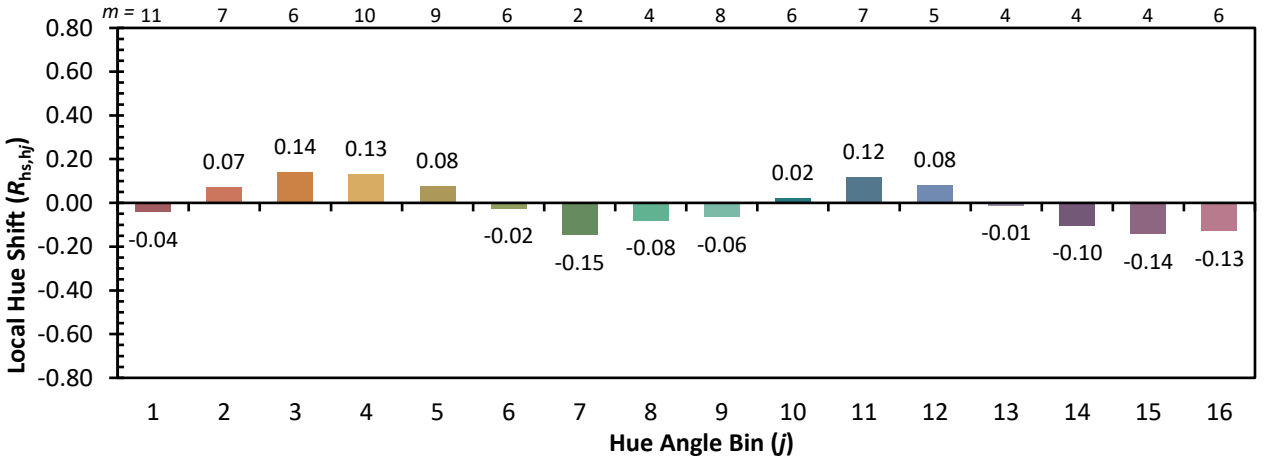
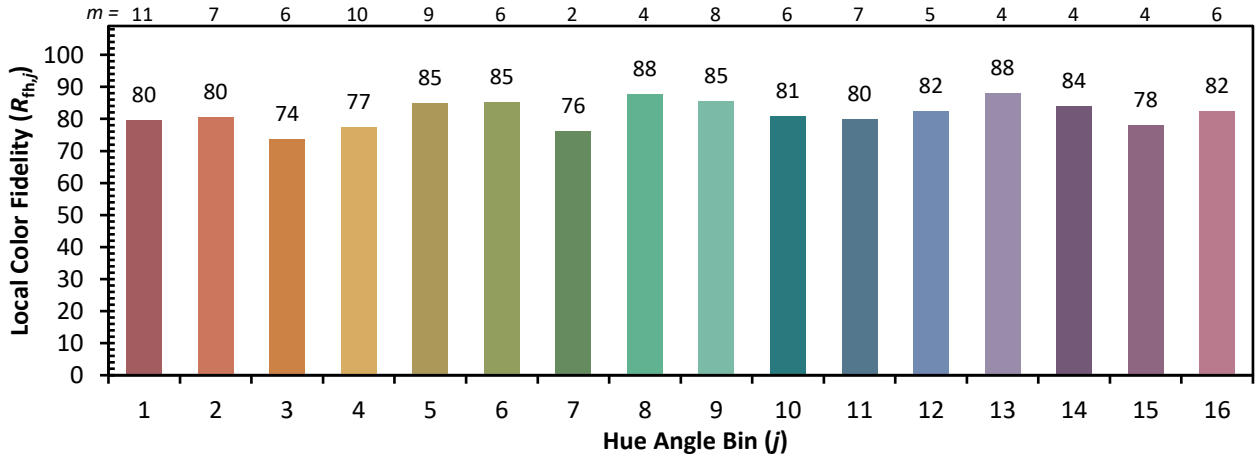
Color Rendition by Hue-Angle Bin







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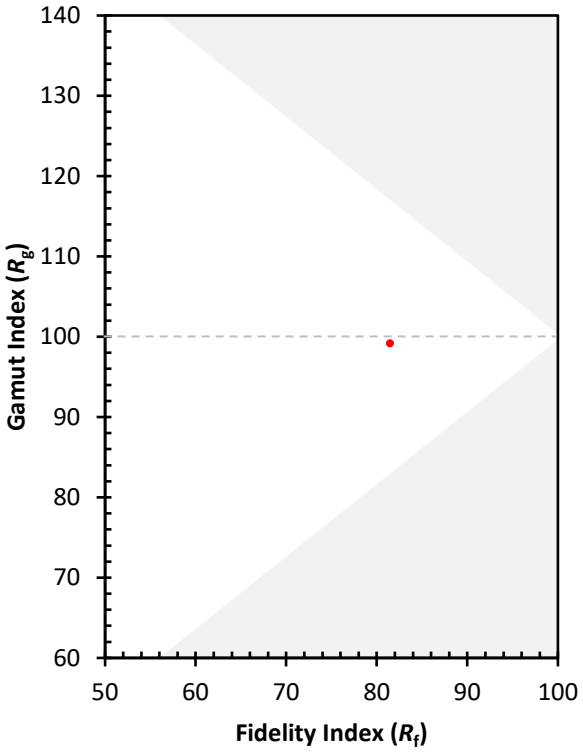
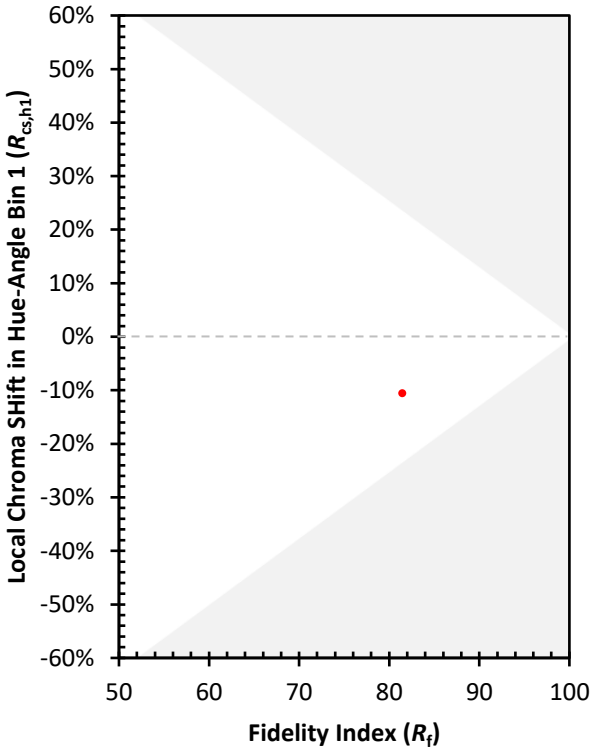
Measure Comparisons





(END OF REPORT)