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: P991259

Luminaire Tested: **GPC-SA1A-740-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:	P991259
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	07/03/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1A-740-U-RBC
Description:	GALLEON PEDESTRAIAN COMPANION 615mA 1xLight Square PACKAGE 70CRI 4000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source:	(14) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3235.4 lumens
Efficiency:	N/A
Efficacy:	110.0 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):	29.4
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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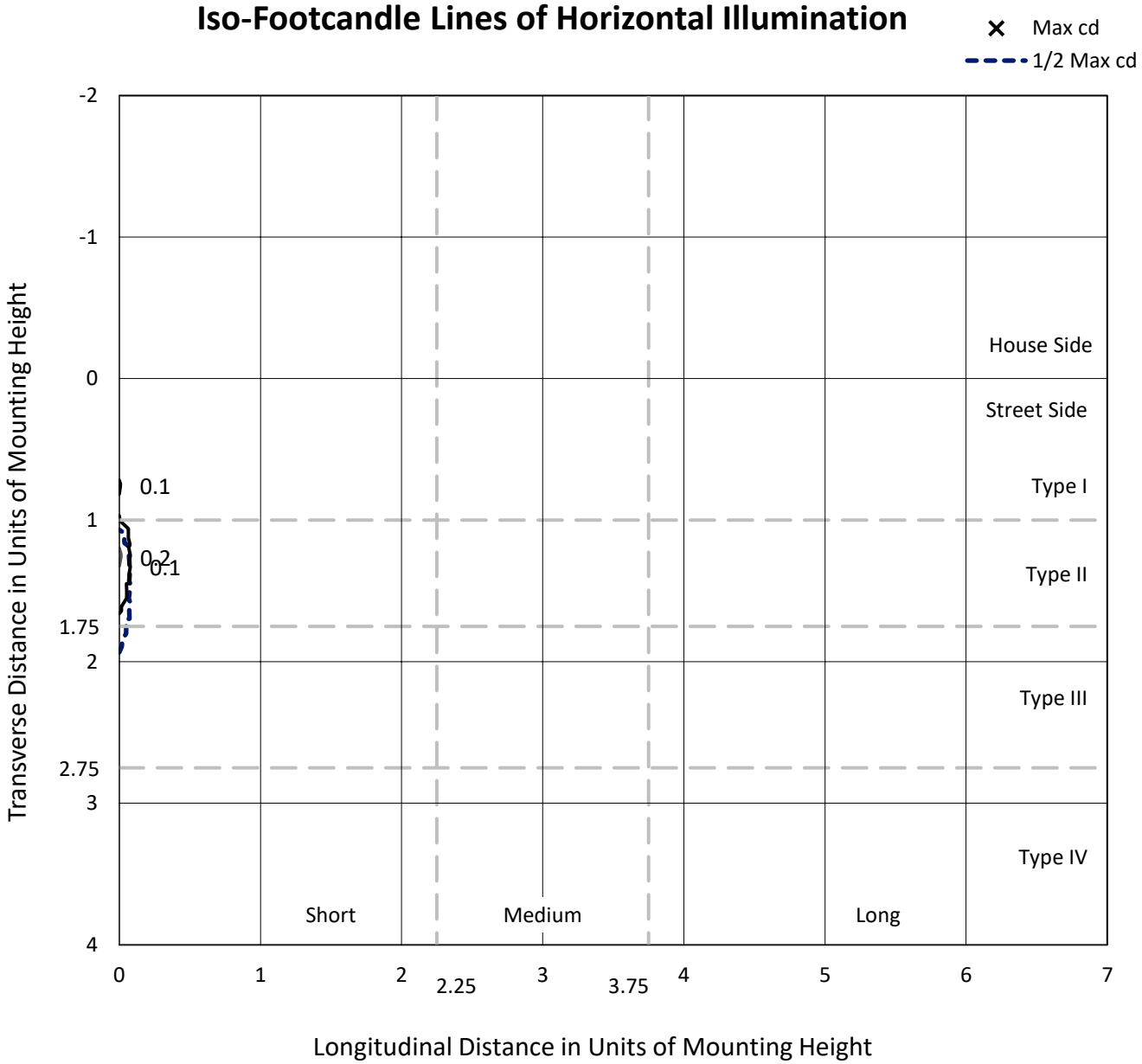
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 0.2 fc
Type III - Short - N/A

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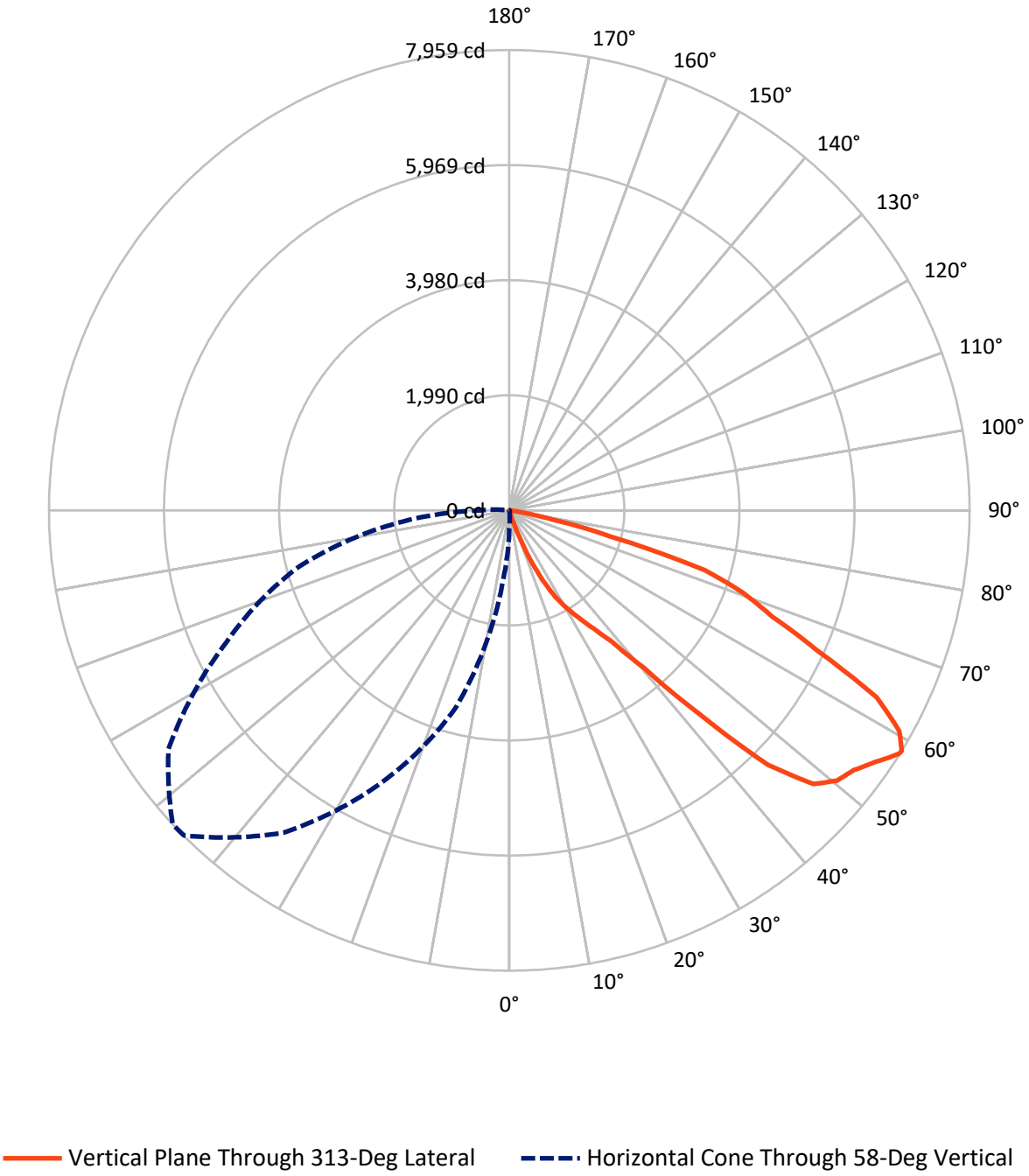
Luminous Intensity Polar Plot



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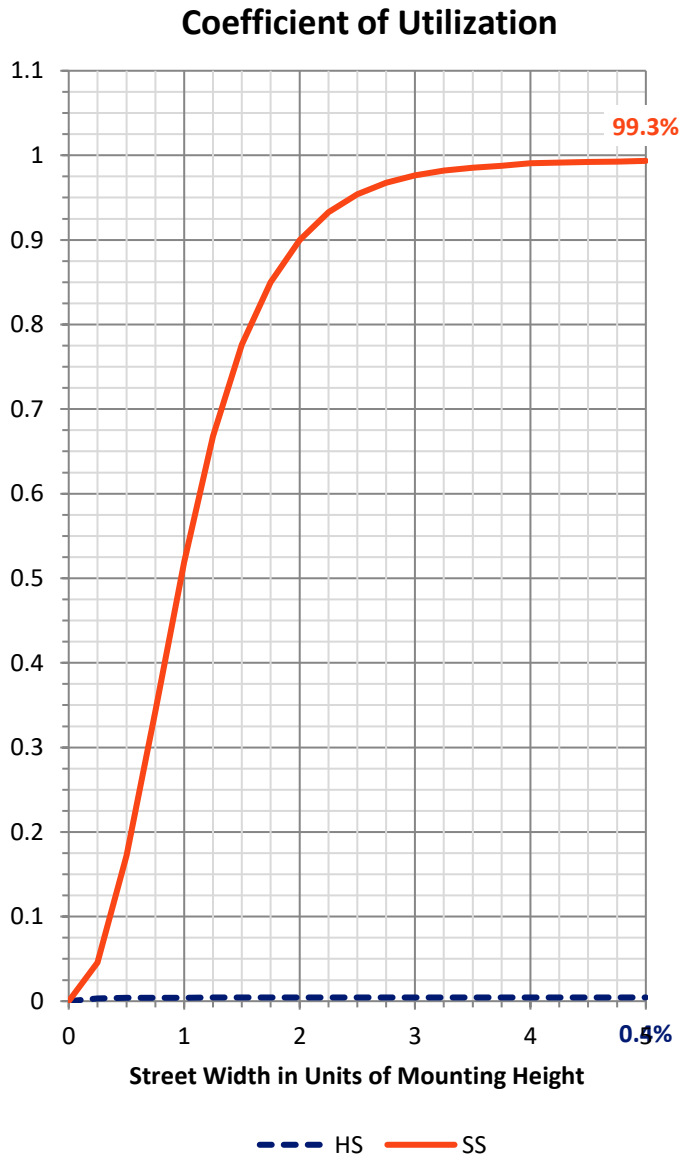
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14.5	0.0	14.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3220.9	0.0	3220.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	3235.4	0.0	3235.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	5.6	0.2
20°-30°	81.7	2.5
30°-40°	234.9	7.3
40°-50°	669.1	20.7
50°-60°	1052.5	32.5
60°-70°	897.5	27.7
70°-80°	286.3	8.8
80°-90°	7.3	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°	3235.4	100.0
0°-180°	3235.4	100.0



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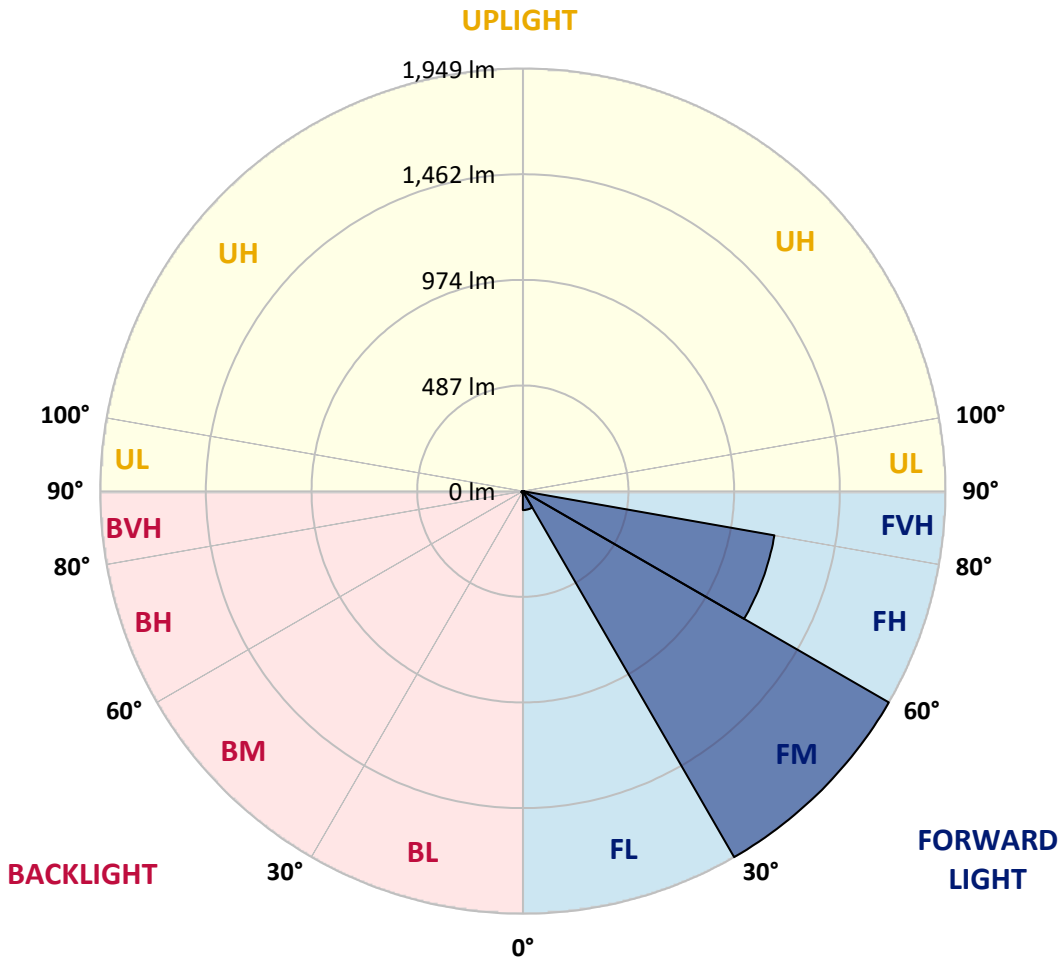
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	87.2	2.7			
FM	(30°-60°)	1948.7	60.2			
FH	(60°-80°)	1178.1	36.4			G1/1800
FVH	(80°-90°)	6.9	0.2			G0/10
BL	(0°-30°)	0.6	0.0	B0/110		
BM	(30°-60°)	7.7	0.2	B0/220		
BH	(60°-80°)	5.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	11.7	12.3	12.9	12.3	11.0	8.4	8.4	6.5	4.5	2.6	1.9
5°	12.9	12.9	12.9	12.3	11.0	8.4	7.8	5.8	3.9	2.6	1.3
7.5°	14.2	14.2	13.6	12.3	10.4	8.4	7.8	5.8	3.9	1.9	0.0
10°	15.5	15.5	14.2	12.9	10.4	7.8	7.1	5.2	3.2	1.3	0.0
12.5°	17.5	16.8	14.9	12.9	10.4	7.1	7.1	5.2	2.6	0.6	0.0
15°	20.1	18.1	15.5	12.9	9.7	7.1	6.5	4.5	1.9	0.0	0.0
17.5°	22.0	20.1	16.2	12.3	9.1	6.5	5.8	3.9	1.9	0.0	0.0
20°	24.0	20.7	16.2	12.3	9.1	5.8	5.2	3.2	0.6	0.0	0.0
22.5°	27.2	22.0	16.2	12.3	8.4	5.2	4.5	2.6	0.0	0.0	0.0
25°	33.7	23.3	16.2	11.7	7.8	4.5	3.9	1.3	0.0	0.0	0.0
27.5°	41.4	25.3	16.2	11.0	7.1	3.9	3.2	0.6	0.0	0.0	0.0
30°	49.9	27.2	16.2	11.0	6.5	3.2	2.6	0.0	0.0	0.0	0.0
32.5°	58.9	29.8	16.2	10.4	5.8	2.6	1.9	0.0	0.0	0.0	0.0
35°	75.8	33.7	16.2	10.4	5.2	1.9	1.3	0.0	0.0	0.0	0.0
37.5°	83.5	38.8	16.2	9.7	5.2	1.3	0.6	0.0	0.0	0.0	0.0
40°	86.8	37.6	15.5	9.7	4.5	0.6	0.0	0.0	0.0	0.0	0.0
42.5°	93.9	35.0	16.2	9.1	4.5	0.6	0.0	0.0	0.0	0.0	0.0
45°	114.6	35.0	17.5	9.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0
47.5°	198.8	36.3	16.8	9.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0
50°	327.0	42.7	16.2	9.7	4.5	0.6	0.0	0.0	0.0	0.0	0.0
52.5°	379.4	51.8	16.2	10.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0
55°	363.9	63.5	16.2	11.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	330.9	60.2	17.5	12.9	9.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	*318.6*	*60.2*	*17.5*	*12.9*	*9.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	249.9	61.5	20.1	14.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	185.8	62.8	22.7	16.2	9.7	0.6	0.0	0.0	0.0	0.0	0.0
65°	137.9	65.4	24.0	18.8	9.1	1.3	0.0	0.0	0.0	0.0	0.0
67.5°	110.1	67.3	25.9	20.7	10.4	2.6	0.6	0.0	0.0	0.0	0.0
70°	94.5	64.7	27.8	21.4	9.7	3.9	1.9	0.0	0.0	0.0	0.0
72.5°	84.2	60.9	31.7	20.7	10.4	3.9	1.9	0.0	0.0	0.0	0.0
75°	75.8	55.7	36.3	20.1	10.4	3.9	2.6	0.0	0.0	0.0	0.0
77.5°	57.0	48.6	35.6	19.4	9.7	3.9	2.6	0.0	0.0	0.0	0.0
80°	28.5	32.4	31.1	17.5	7.8	3.2	2.6	0.6	0.0	0.0	0.0
82.5°	11.7	12.3	15.5	12.9	6.5	2.6	2.6	0.6	0.0	0.0	0.0
85°	1.3	2.6	4.5	5.2	4.5	2.6	2.6	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	2.6	3.9	3.2	1.9	1.3	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
5°	0.6	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	0.6	1.3	1.3	1.3	1.9	1.9	2.6	3.2	3.2	3.2	3.9
5°	0.0	0.0	0.6	0.6	1.3	1.9	2.6	3.9	4.5	4.5	5.2
7.5°	0.0	0.0	0.0	0.6	1.3	1.9	2.6	3.9	5.2	5.8	6.5
10°	0.0	0.0	0.0	0.0	0.6	1.3	2.6	4.5	6.5	7.8	9.1
12.5°	0.0	0.0	0.0	0.0	0.0	0.6	2.6	5.2	7.8	9.7	11.0
15°	0.0	0.0	0.0	0.0	0.0	0.6	2.6	5.2	9.7	11.7	14.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.8	11.0	14.2	19.4
20°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8	12.3	17.5	29.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8	13.6	22.7	53.7
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.8	15.5	33.7	89.4
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.5	18.8	47.3	130.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.5	23.3	64.1	182.6
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.5	27.2	80.9	248.6
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	32.4	107.5	312.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	40.1	118.5	365.8
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	38.2	128.9	427.3
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	35.0	143.7	523.8
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	35.0	190.4	737.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	42.7	296.6	1127.3
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	55.0	455.2	1605.1
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	66.7	560.1	1882.3
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	80.3	560.7	1873.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	89.4	501.8	1690.6
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*4.5*	*88.7*	*485.6*	*1640.1*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.5	77.7	421.5	1431.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	10.4	68.0	302.4	1186.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	11.7	62.2	219.5	891.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	13.6	59.6	155.4	619.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	15.5	55.0	111.4	407.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	19.4	51.8	87.4	246.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	24.6	45.3	71.2	132.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	26.5	37.6	51.8	80.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	24.0	27.2	22.7	27.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	14.2	5.8	5.8	9.1
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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P991259
CATALOG NUMBER: GPC-SA1A-740-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	4.5	4.5	4.5	*4.5*	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	4.5	4.5	4.5	*4.5*	5.2	5.2	7.1	9.1	11.0	11.7
5°	5.8	6.5	7.1	*7.1*	7.1	7.8	9.1	10.4	12.3	12.9
7.5°	8.4	9.1	10.4	*10.4*	10.4	11.0	11.7	12.9	14.2	14.2
10°	11.0	12.9	13.6	*14.2*	14.9	14.9	14.9	15.5	16.2	15.5
12.5°	14.9	17.5	20.7	*21.4*	21.4	21.4	20.7	19.4	18.1	17.5
15°	20.7	28.5	38.8	*42.7*	40.8	36.3	31.7	24.6	21.4	20.1
17.5°	38.2	77.7	141.2	*156.0*	152.8	131.4	77.1	37.6	25.3	22.0
20°	103.0	251.2	414.4	*453.9*	474.6	393.0	227.3	87.4	31.1	24.0
22.5°	222.1	521.9	808.7	*911.0*	917.5	738.1	442.2	177.4	44.7	27.2
25°	357.4	834.6	1225.7	*1324.8*	1326.7	1137.6	707.1	287.5	68.0	33.7
27.5°	547.8	1170.0	1607.7	*1690.0*	1688.7	1497.0	1021.7	439.0	95.2	41.4
30°	742.7	1431.6	1859.6	*1961.9*	1971.6	1742.4	1284.6	618.4	124.3	49.9
32.5°	935.6	1625.2	2089.5	*2225.4*	2217.0	1959.3	1467.9	765.3	174.2	58.9
35°	1087.8	1790.3	2343.9	*2511.0*	2517.5	2197.6	1630.4	907.8	216.9	75.8
37.5°	1217.9	2003.3	2682.6	*2875.5*	2883.9	2494.1	1800.7	1047.6	253.8	83.5
40°	1378.5	2353.0	3243.3	*3570.9*	3572.2	3047.1	2106.9	1204.3	303.7	86.8
42.5°	1739.2	3102.1	4338.9	*4809.6*	4850.4	4194.5	2803.0	1544.3	382.0	93.9
45°	2460.5	4089.6	5736.2	*6278.1*	6329.9	5622.2	3996.3	2329.0	554.3	114.6
47.5°	3318.4	4948.2	6548.1	*7070.0*	7104.3	6297.5	4795.3	3236.8	943.4	198.8
50°	3846.1	5266.1	6846.6	*7344.5*	7350.4	6519.6	5045.9	3708.2	1344.2	327.0
52.5°	4009.9	5306.9	6858.3	*7460.4*	7477.3	6493.7	5080.2	3803.4	1511.3	379.4
55°	3943.2	5282.9	6981.3	*7681.9*	7700.0	6599.3	5056.9	3699.1	1432.9	363.9
57.5°	3791.1	5376.1	7183.3	*7944.8*	7944.8	6794.2	5143.0	3524.3	1241.2	330.9
58°	*3768.4*	*5399.5*	*7194.3*	*7959.0*	*7953.2*	*6806.5*	*5178.7*	*3499.1*	*1199.2*	*318.6*
60°	3737.3	5471.3	7112.7	*7748.6*	7731.7	6719.7	5243.4	3476.4	995.2	249.9
62.5°	3692.0	5309.5	6518.3	*7129.6*	7086.2	6111.7	5057.6	3343.7	742.7	185.8
65°	3459.6	4711.8	5433.8	*5857.2*	5843.6	5027.8	4353.1	2995.3	534.8	137.9
67.5°	2916.3	3688.8	4389.4	*4899.6*	4902.8	4104.5	3404.5	2393.8	363.9	110.1
70°	2051.3	2720.8	3731.5	*4299.4*	4325.3	3442.7	2522.0	1595.4	240.2	94.5
72.5°	1225.1	2055.1	3102.8	*3534.0*	3520.4	2856.7	1871.3	951.2	146.3	84.2
75°	593.8	1228.3	1568.2	*1818.8*	1808.5	1429.0	997.1	466.2	106.8	75.8
77.5°	161.2	377.5	607.3	*789.9*	811.3	572.4	327.0	125.0	66.7	57.0
80°	54.4	116.5	198.1	*269.4*	276.5	247.3	123.0	44.0	29.1	28.5
82.5°	20.7	28.5	36.3	*32.4*	32.4	33.7	26.5	18.8	13.6	11.7
85°	0.0	0.0	0.6	*1.3*	1.3	1.9	1.9	1.9	1.3	1.3
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

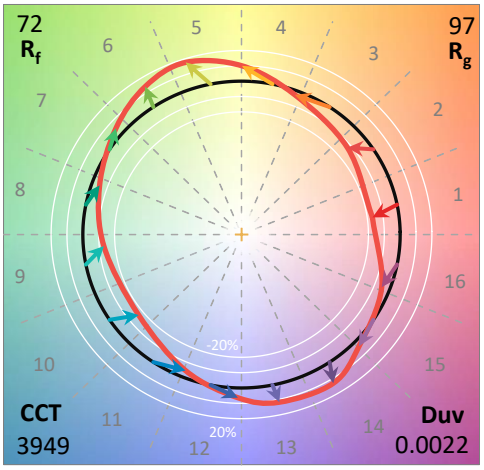
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

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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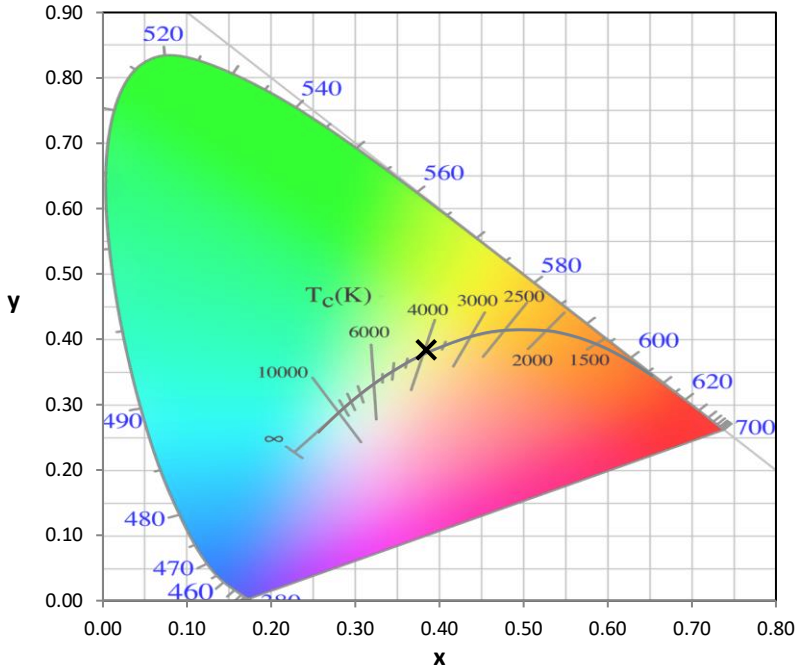
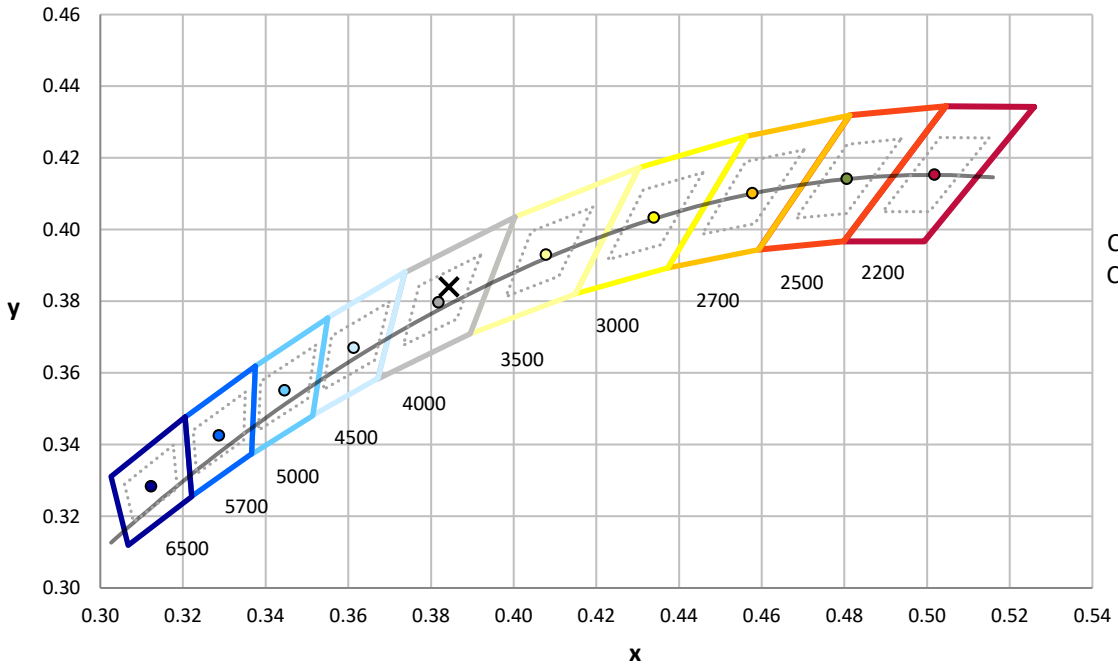
CIE 1931 Chromaticity Diagram



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



CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

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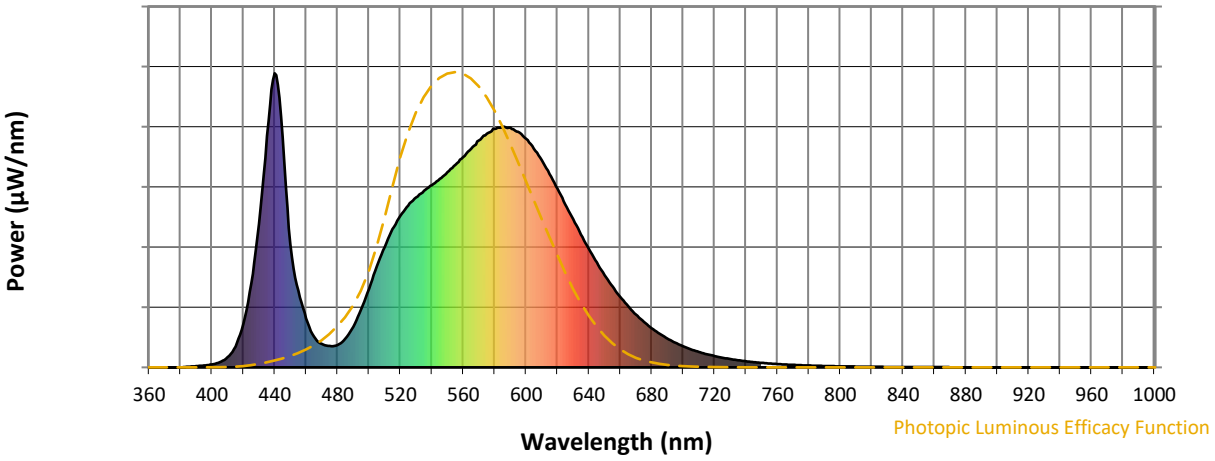
Photopic Flux vs. Wavelength



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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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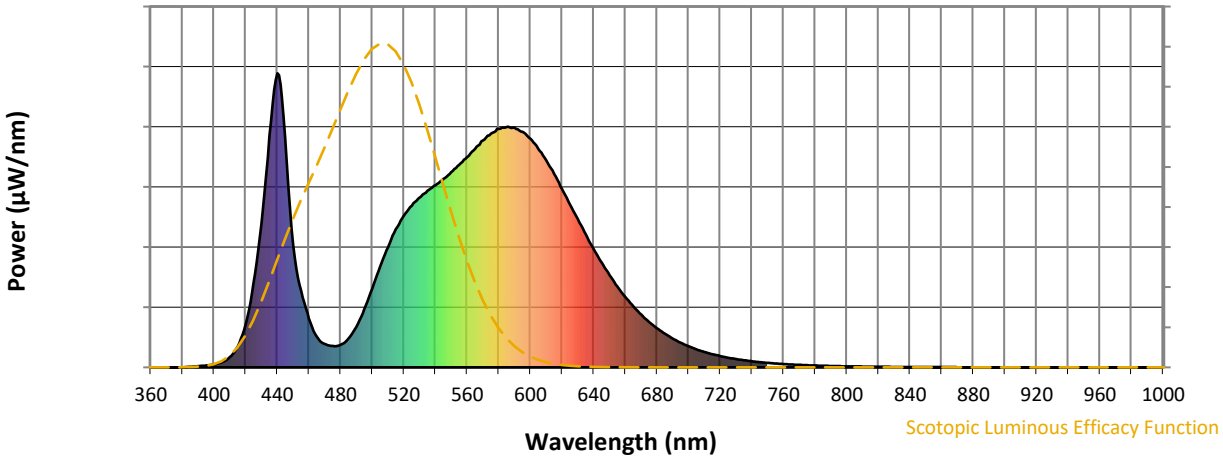
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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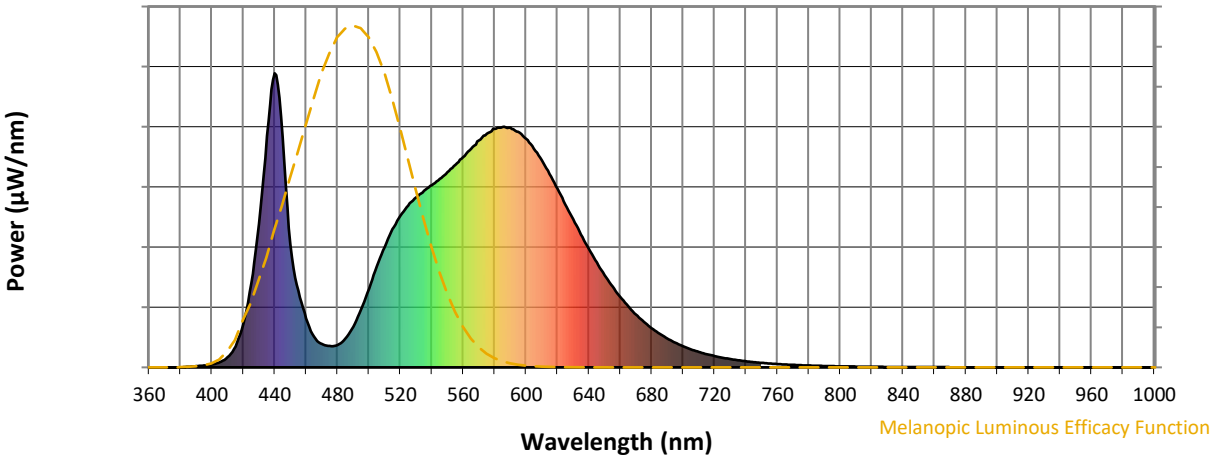
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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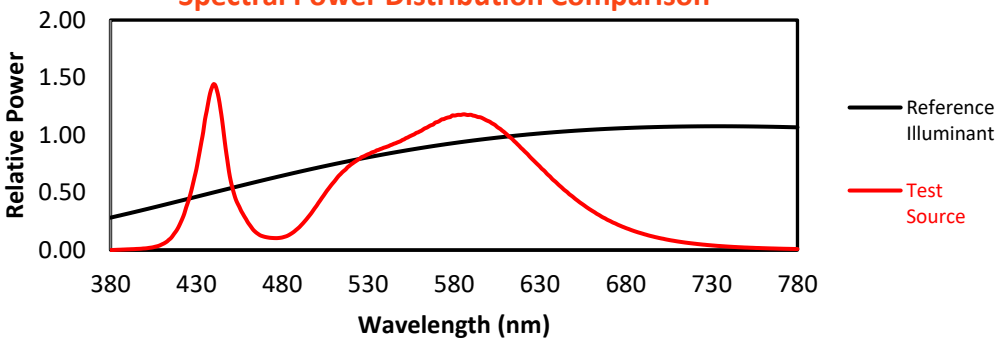
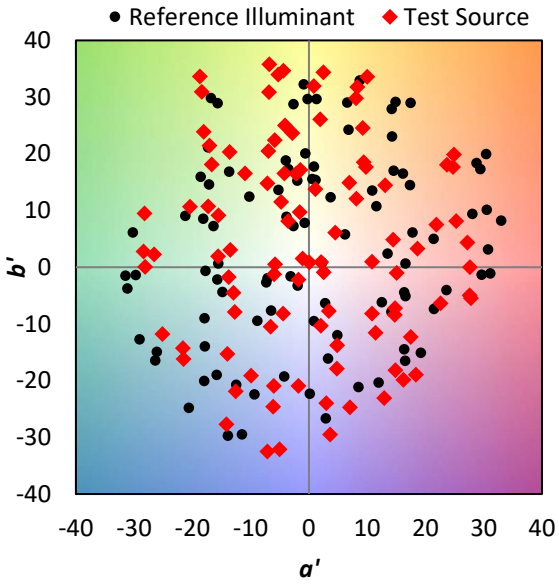
Summary

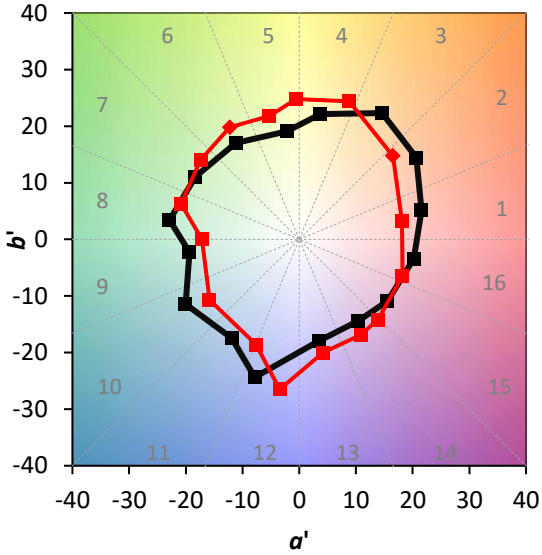
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

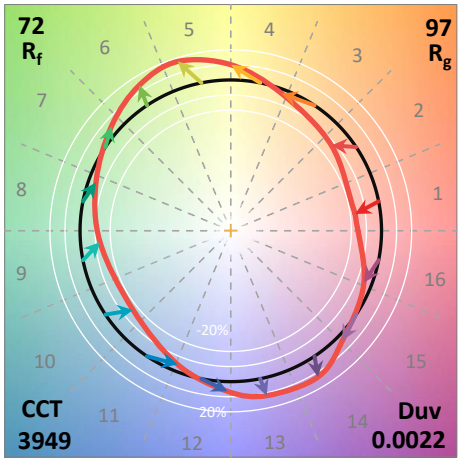
Spectral Power Distribution Comparison

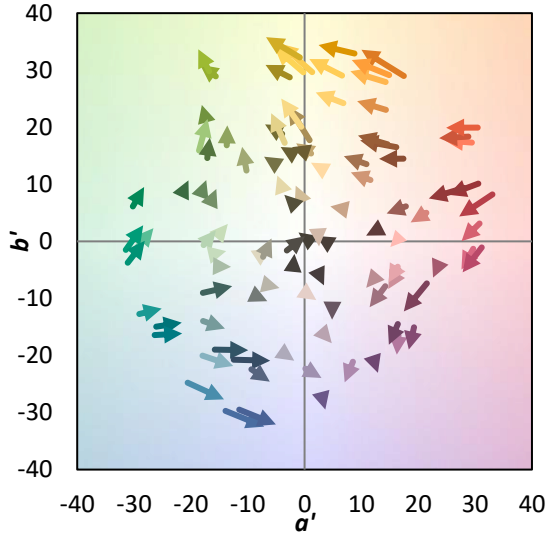


Color Vector Graphics









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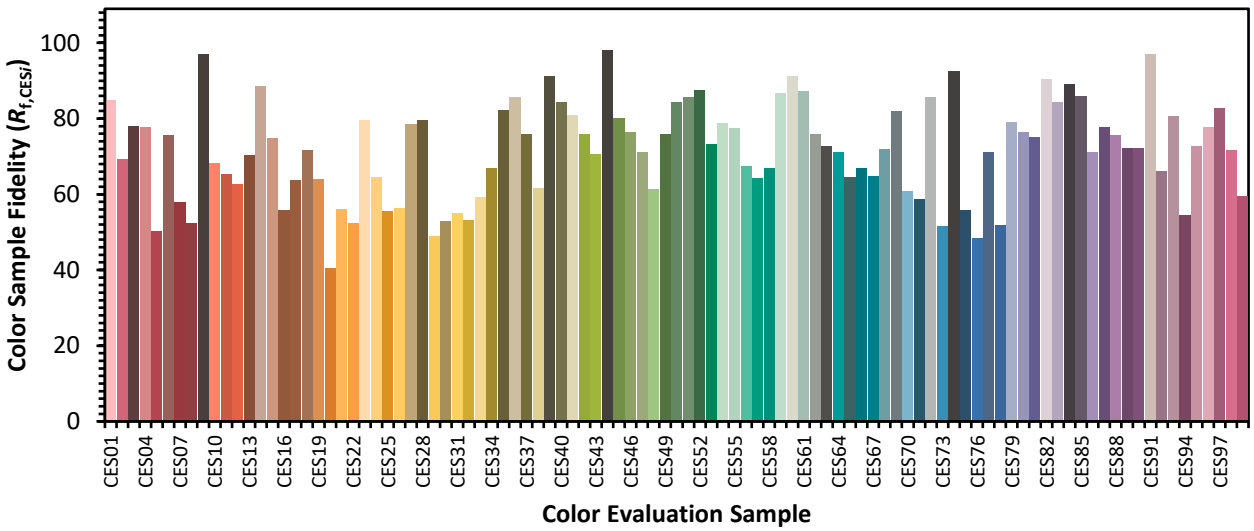
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



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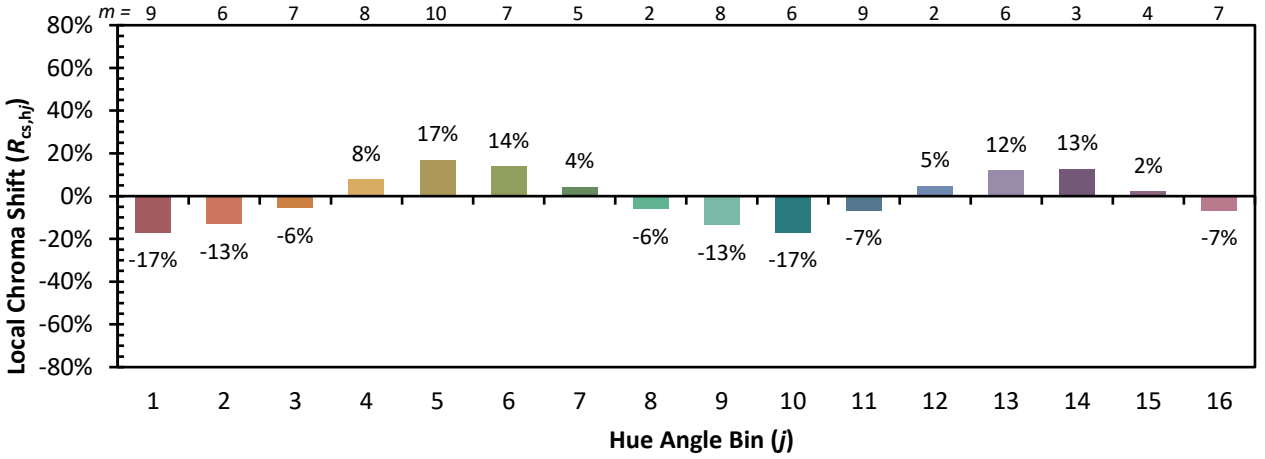
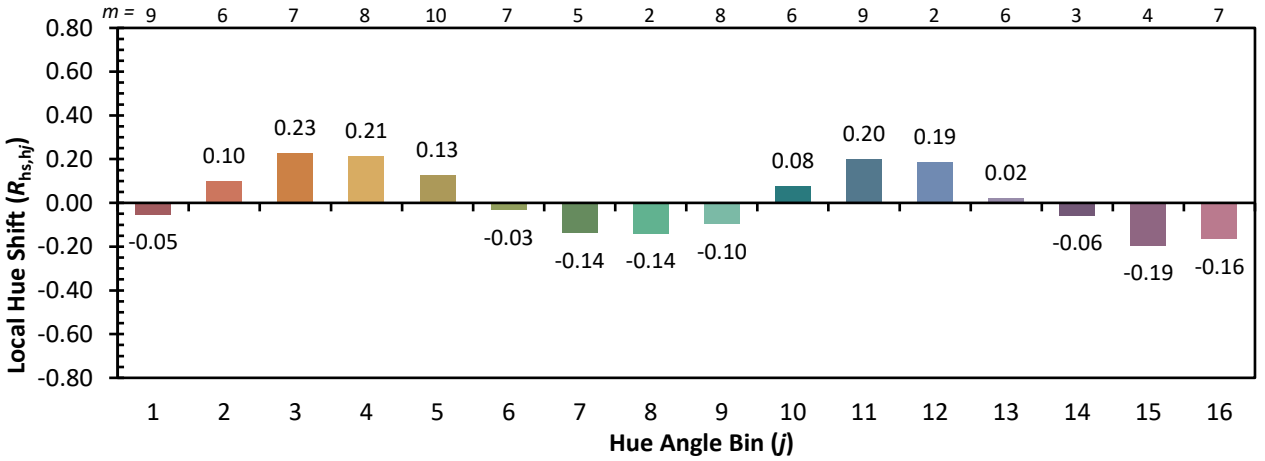
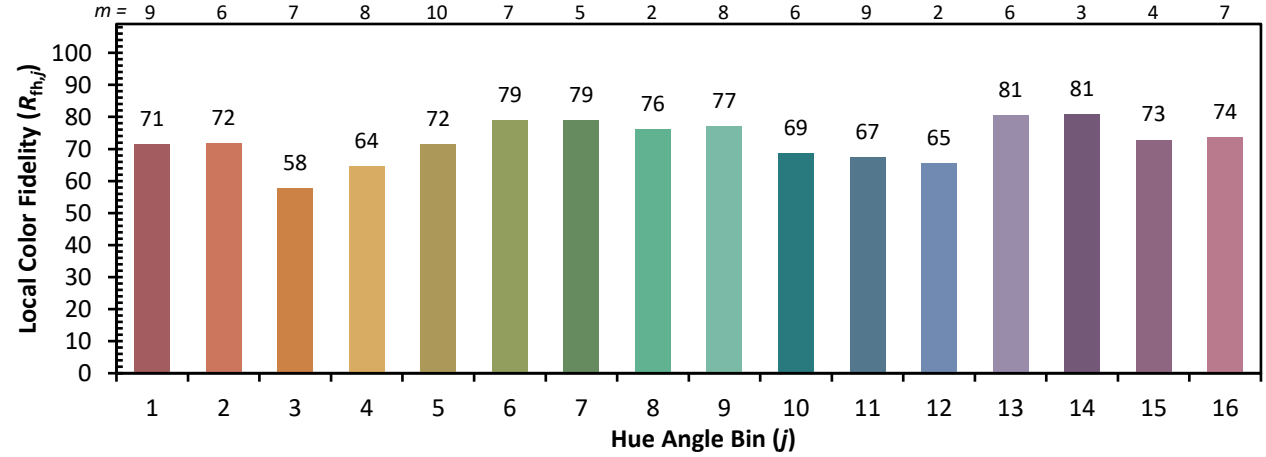
Color Rendition by Hue-Angle Bin







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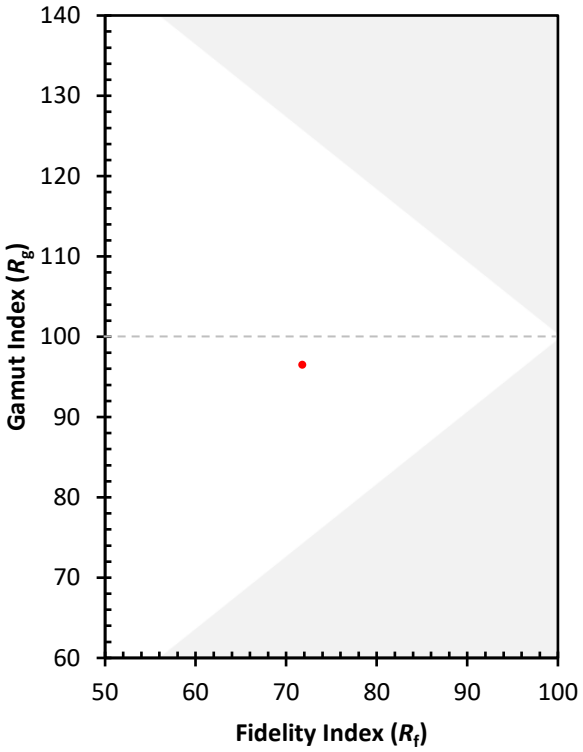
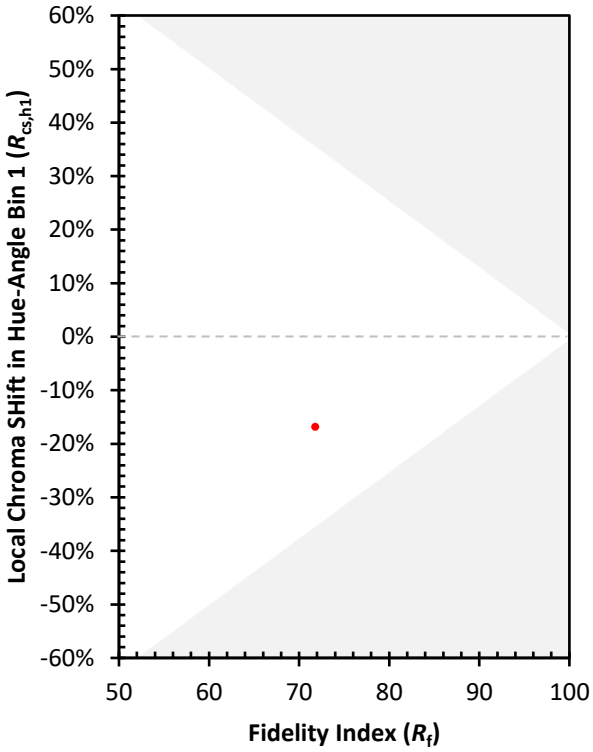
Measure Comparisons





(END OF REPORT)