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: STREETWORKS

Report Number: P1065337

Luminaire Tested: **GLAN-SA7A-760-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1065337
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA7A-760-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE 70CRI 5700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(98) 5700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22815.9 lumens
Efficiency:	N/A
Efficacy:	118.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	193.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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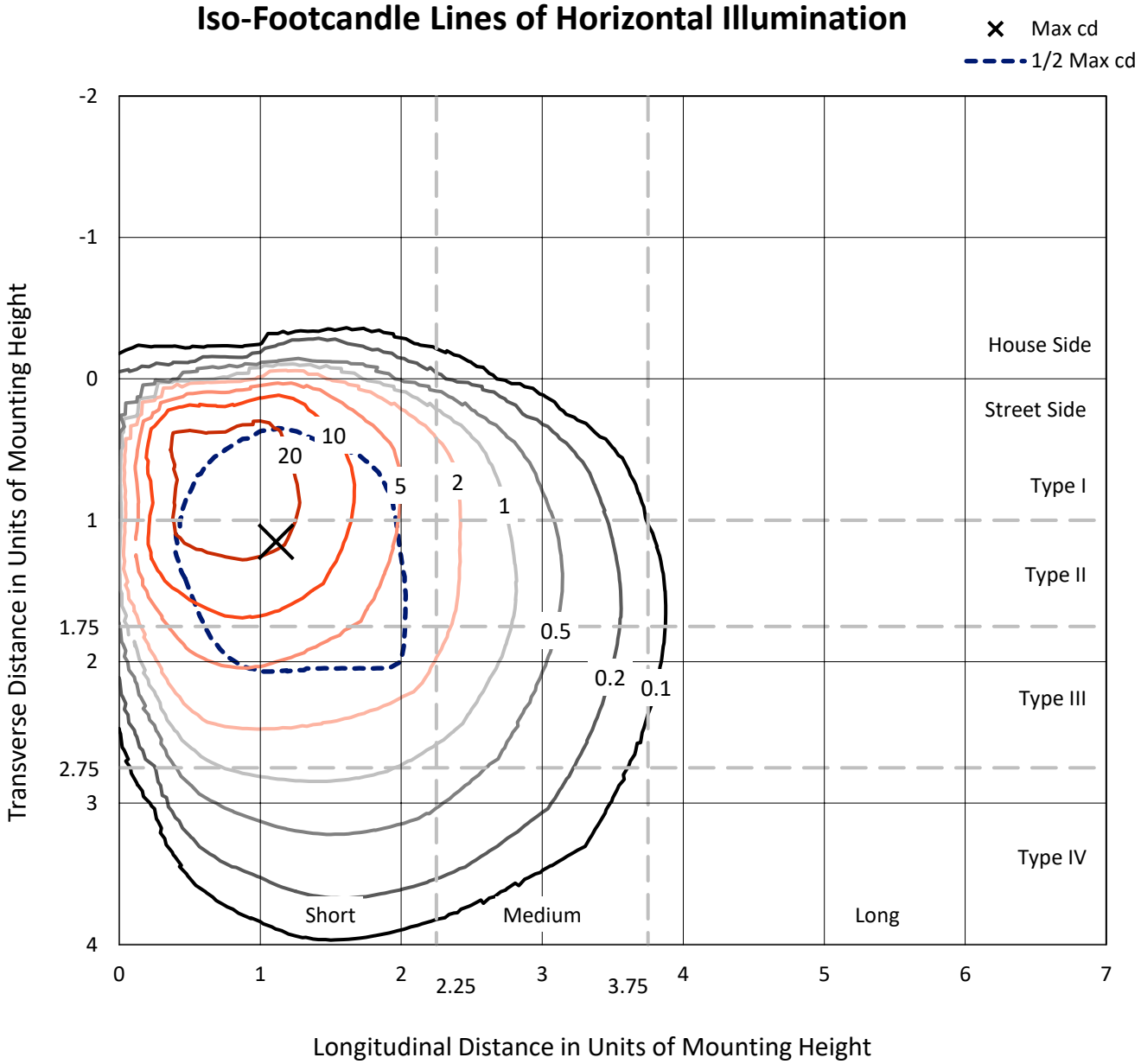
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 39.7 fc
Type III - Short - N/A

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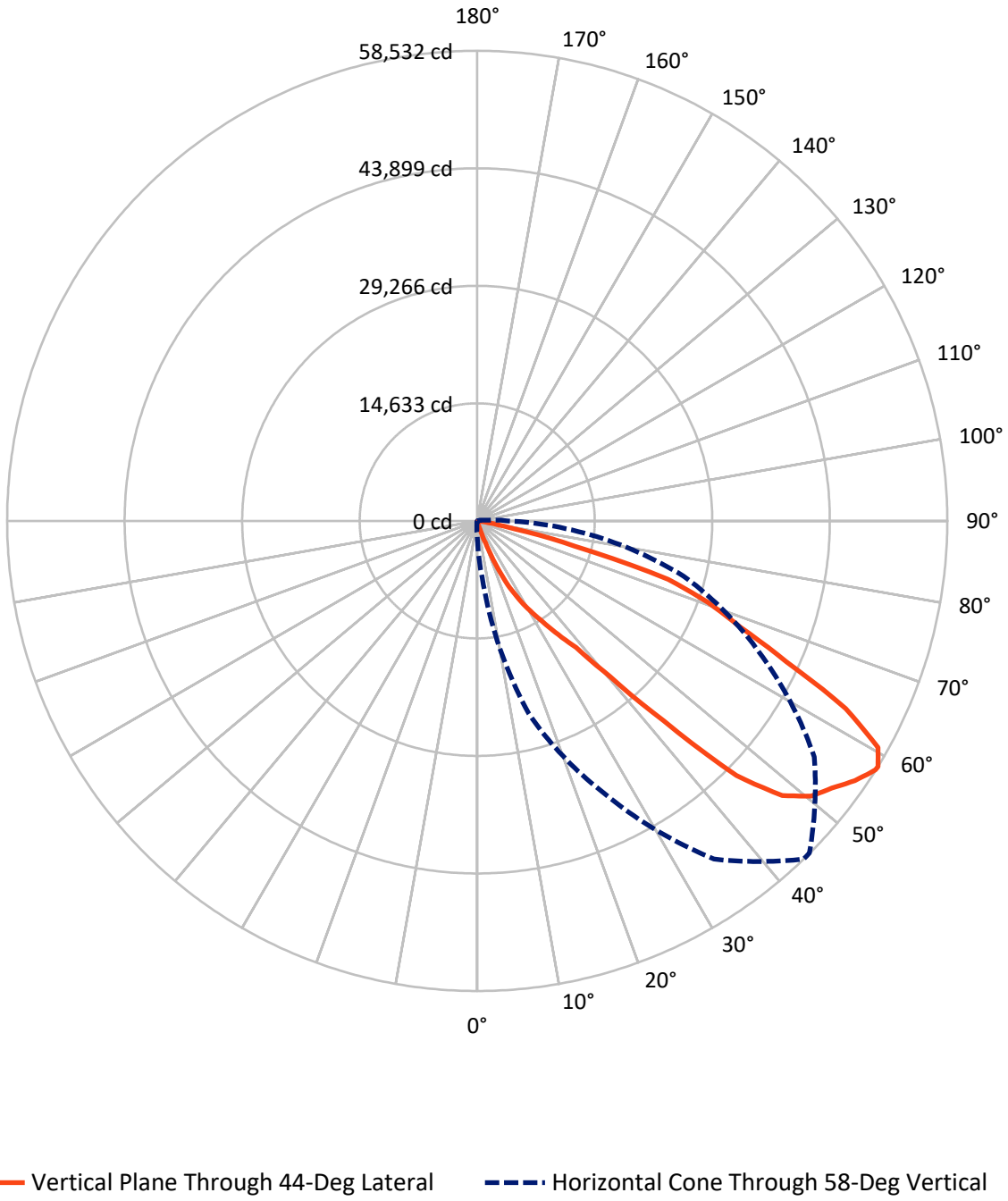
Luminous Intensity Polar Plot



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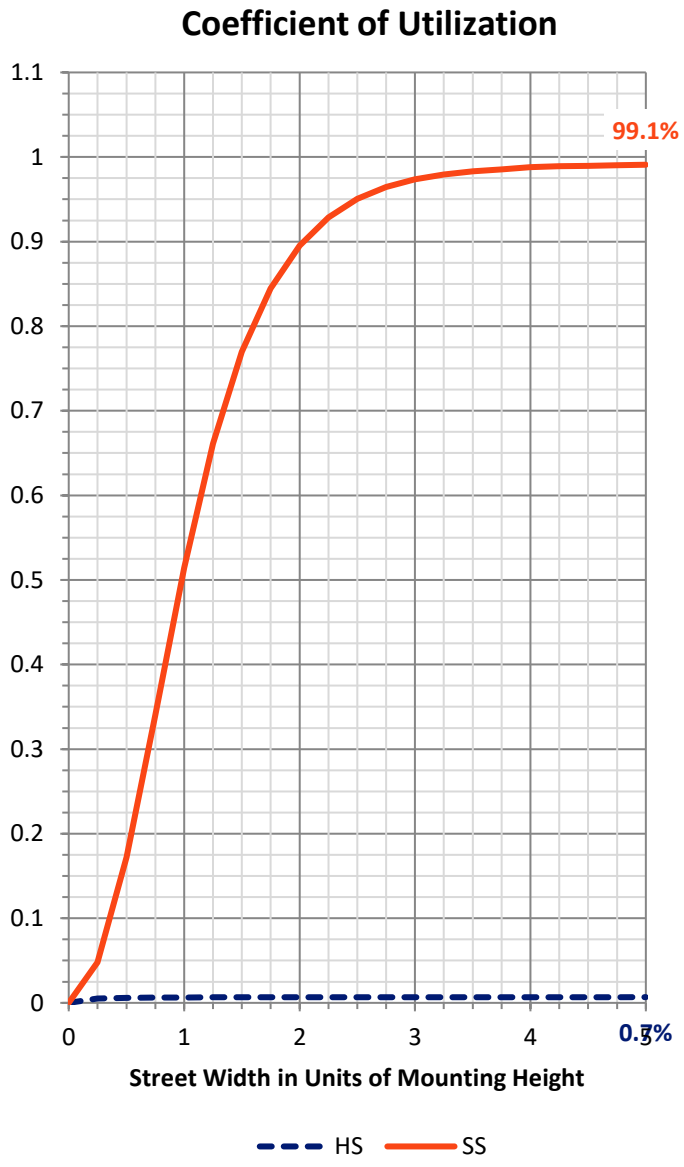
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.8	0.0	155.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	22660.1	0.0	22660.1
	% Fixture	99.3	0.0	99.3
Total	Lumens	22815.9	0.0	22815.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.0
10°-20°	50.0	0.2
20°-30°	540.5	2.4
30°-40°	1598.5	7.0
40°-50°	4764.3	20.9
50°-60°	7559.8	33.1
60°-70°	6305.8	27.6
70°-80°	1944.8	8.5
80°-90°	43.2	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°	22815.9	100.0
0°-180°	22815.9	100.0



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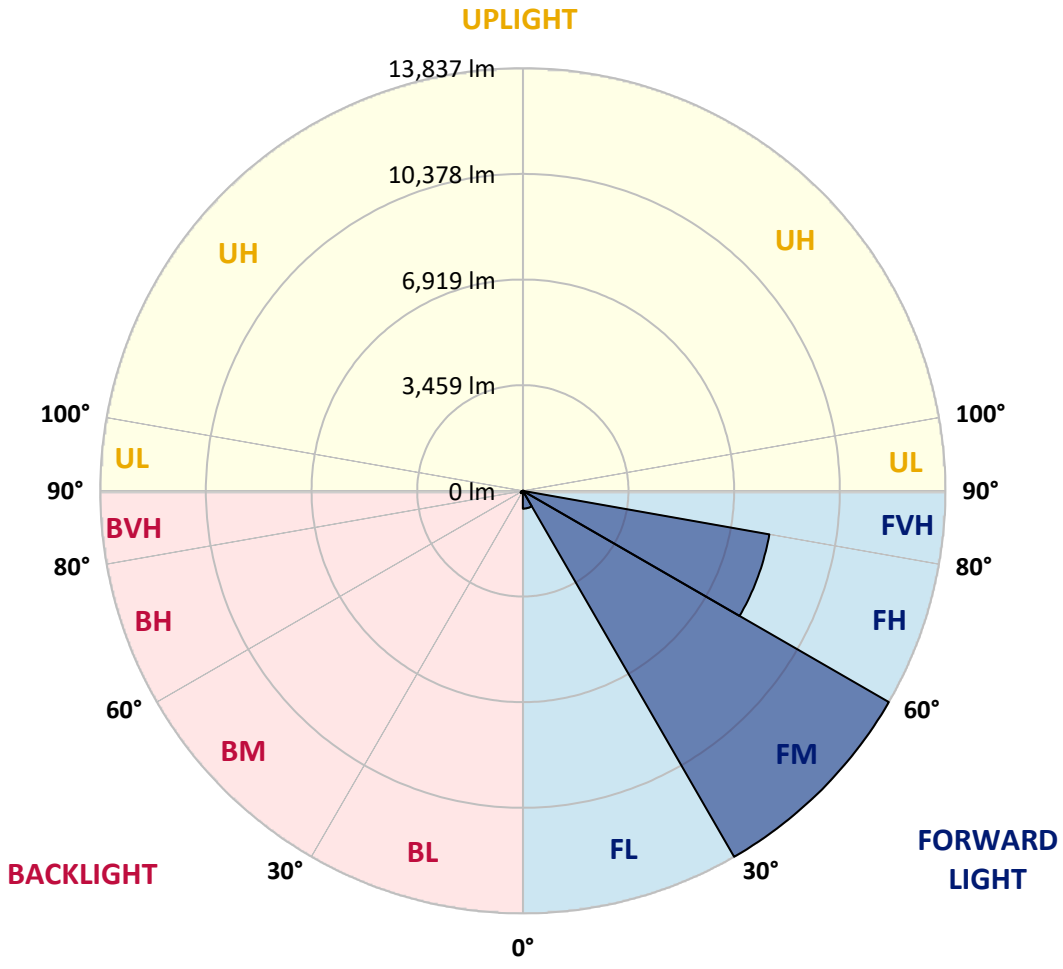
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	584.2	2.6			
FM	(30°-60°)	13837.4	60.6			
FH	(60°-80°)	8197.4	35.9			G4/12000
FVH	(80°-90°)	41.1	0.2			G1/100
BL	(0°-30°)	15.2	0.1	B0/110		
BM	(30°-60°)	85.3	0.4	B0/220		
BH	(60°-80°)	53.2	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	100.0	100.0	100.0	100.0	100.0	*100.0*	100.0	100.0	100.0	100.0	100.0
2.5°	129.3	129.3	124.1	117.2	110.3	*103.4*	101.7	98.2	96.5	94.8	93.1
5°	134.4	134.4	132.7	127.5	120.6	*115.5*	115.5	110.3	106.9	103.4	100.0
7.5°	137.9	139.6	143.1	141.3	137.9	*132.7*	132.7	129.3	124.1	115.5	110.3
10°	143.1	148.2	155.1	158.6	160.3	*160.3*	158.6	156.8	148.2	136.2	122.4
12.5°	148.2	158.6	175.8	193.0	203.4	*217.2*	215.4	212.0	189.6	163.7	139.6
15°	158.6	174.1	210.3	260.3	337.8	*386.1*	405.0	387.8	313.7	220.6	162.0
17.5°	170.6	196.5	305.1	544.6	892.8	*1058.3*	1158.2	1077.2	713.5	418.8	203.4
20°	182.7	239.6	567.0	1411.6	2316.5	*2857.6*	3007.6	2773.2	1780.4	798.0	301.6
22.5°	203.4	336.1	1149.6	2918.0	4991.4	*5803.2*	5956.6	5206.8	3362.6	1575.3	453.3
25°	246.5	487.8	1982.1	4755.3	7449.2	*8819.4*	8755.6	7773.2	5455.0	2516.4	689.4
27.5°	308.5	710.1	2997.3	6756.3	9803.5	*11011.8*	11156.5	9941.4	7271.7	3700.5	979.0
30°	398.1	984.1	4086.5	8359.2	11690.8	*12997.3*	13021.4	11764.9	8897.0	4739.8	1334.0
32.5°	484.3	1242.7	5039.7	9908.7	13550.5	*14982.8*	15089.7	13543.7	10110.3	5822.1	1642.5
35°	549.8	1411.6	6004.8	11270.3	15425.8	*17399.2*	17392.3	15556.8	11547.8	6789.1	2070.0
37.5°	555.0	1580.5	6878.7	12662.9	17800.8	*20010.4*	20229.3	18205.9	13285.1	7985.2	2593.9
40°	542.9	1770.1	7985.2	14834.6	22080.4	*25470.6*	25663.6	23112.8	16770.1	10032.8	3412.6
42.5°	556.7	2099.3	9781.1	18845.3	29186.6	*34055.6*	34427.9	31746.1	23176.6	14210.7	4872.5
45°	629.1	2718.0	13543.7	25555.1	39315.9	*45251.8*	45127.7	41265.2	30630.9	20570.6	7761.1
47.5°	868.7	4233.0	19121.1	32085.6	45789.5	*51075.7*	51182.5	46461.7	34981.2	25460.3	11651.2
50°	1335.8	6477.1	23807.4	35537.9	48573.1	*53876.4*	53776.5	48321.4	36634.0	27868.1	14034.9
52.5°	1737.3	8100.7	26158.3	36749.5	48929.8	*55260.4*	55253.5	48810.9	36890.8	28074.9	14333.0
55°	1837.3	8223.1	26177.3	36815.0	49729.6	*57071.9*	57299.4	50015.7	37223.5	27171.8	13211.0
57.5°	1797.7	7280.3	25084.5	37194.2	51153.2	*58473.1*	58485.2	51182.5	38068.0	26618.5	11353.0
58°	*1763.2*	*7132.0*	*24863.9*	*37409.6*	*51398.0*	*58531.7*	*58502.4*	*51235.9*	*38755.7*	*26597.8*	*11061.7*
60°	1570.2	6192.7	24003.9	37959.4	51034.3	*57328.7*	57054.7	50069.1	38654.0	26385.8	9595.0
62.5°	1234.1	4831.1	23157.6	37323.5	47135.6	*51504.8*	51618.6	44328.0	35238.0	25150.0	7866.3
65°	982.4	3600.5	21392.7	32738.8	38814.3	*42295.9*	42719.9	36046.3	29412.4	21296.2	5799.7
67.5°	782.5	2602.6	17945.6	26065.2	30713.6	*35300.0*	35608.5	30263.8	22787.0	16316.8	4121.0
70°	636.0	1759.7	12387.1	19062.5	25332.7	*30489.6*	30508.5	25141.4	17008.0	10691.2	2585.3
72.5°	563.6	1218.5	7190.6	13902.1	20541.3	*24845.0*	24343.4	20401.7	13071.4	6332.3	1540.9
75°	487.8	808.3	3526.4	8498.8	12454.4	*12538.8*	12730.1	9464.0	6534.0	3011.0	923.8
77.5°	401.6	573.9	1389.2	2321.6	3734.9	*4781.1*	4958.7	3757.3	2173.4	741.1	492.9
80°	275.8	272.3	374.0	711.8	1068.6	*1339.2*	1249.6	966.9	568.8	284.4	175.8
82.5°	118.9	129.3	168.9	203.4	165.5	*160.3*	153.4	98.2	75.8	58.6	36.2
85°	37.9	34.5	36.2	36.2	29.3	*22.4*	22.4	10.3	0.0	0.0	0.0
87.5°	19.0	15.5	15.5	13.8	8.6	*3.4*	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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	91.3	91.3	87.9	84.5	82.7	79.3	77.6	75.8	74.1	72.4	70.7
5°	96.5	94.8	89.6	84.5	79.3	74.1	70.7	67.2	63.8	62.0	60.3
7.5°	105.1	101.7	91.3	82.7	75.8	68.9	65.5	60.3	56.9	51.7	50.0
10°	115.5	108.6	94.8	84.5	74.1	65.5	60.3	55.2	50.0	43.1	41.4
12.5°	129.3	117.2	100.0	82.7	70.7	60.3	55.2	48.3	43.1	37.9	34.5
15°	141.3	125.8	101.7	82.7	67.2	55.2	48.3	41.4	36.2	29.3	25.9
17.5°	158.6	132.7	100.0	77.6	62.0	48.3	41.4	36.2	27.6	17.2	13.8
20°	187.9	137.9	96.5	72.4	53.4	39.6	31.0	24.1	12.1	3.4	0.0
22.5°	234.4	151.7	93.1	65.5	46.5	31.0	20.7	8.6	0.0	0.0	0.0
25°	324.0	175.8	93.1	62.0	41.4	22.4	6.9	0.0	0.0	0.0	0.0
27.5°	430.9	208.5	93.1	53.4	32.7	12.1	0.0	0.0	0.0	0.0	0.0
30°	539.5	244.7	93.1	46.5	25.9	1.7	0.0	0.0	0.0	0.0	0.0
32.5°	642.9	275.8	94.8	39.6	17.2	0.0	0.0	0.0	0.0	0.0	0.0
35°	748.0	280.9	93.1	34.5	10.3	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	882.5	270.6	87.9	31.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	1085.8	275.8	82.7	29.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1461.6	298.2	75.8	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2526.7	399.9	68.9	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4179.6	718.7	67.2	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	5334.4	904.9	70.7	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	5325.8	1008.3	74.1	34.5	6.9	0.0	0.0	0.0	0.0	0.0	0.0
55°	4734.6	1027.2	79.3	37.9	22.4	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	3957.3	937.6	91.3	46.5	41.4	0.0	0.0	0.0	0.0	0.0	0.0
58°	*3819.4*	*896.2*	*94.8*	*48.3*	*44.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	3130.0	730.8	120.6	60.3	60.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2161.3	637.7	137.9	77.6	62.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1528.8	575.7	149.9	82.7	50.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1142.7	530.9	165.5	84.5	25.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	875.6	498.1	203.4	89.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	713.5	460.2	246.5	93.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	591.2	415.4	237.8	101.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	393.0	322.3	217.2	101.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	137.9	127.5	168.9	89.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.7	17.2	24.1	31.0	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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	70.7	70.7	68.9	70.7	70.7	74.1	82.7	94.8	108.6	113.8	118.9
5°	58.6	56.9	55.2	55.2	55.2	60.3	67.2	81.0	96.5	103.4	106.9
7.5°	48.3	46.5	44.8	43.1	43.1	46.5	55.2	70.7	86.2	93.1	98.2
10°	39.6	36.2	34.5	32.7	32.7	36.2	44.8	60.3	77.6	84.5	91.3
12.5°	32.7	27.6	24.1	22.4	20.7	25.9	34.5	48.3	67.2	75.8	82.7
15°	22.4	17.2	12.1	10.3	8.6	13.8	22.4	37.9	56.9	67.2	74.1
17.5°	12.1	5.2	1.7	0.0	0.0	3.4	10.3	27.6	46.5	55.2	63.8
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	34.5	43.1	51.7
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	20.7	29.3	37.9
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	15.5	22.4
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.3
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	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	13.8	19.0
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: P1065337
CATALOG NUMBER: GLAN-SA7A-760-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	122.4	120.6	117.2	113.8	113.8	113.8	118.9	124.1	129.3	129.3
5°	113.8	113.8	112.0	108.6	108.6	110.3	117.2	125.8	132.7	134.4
7.5°	105.1	108.6	105.1	103.4	105.1	106.9	113.8	124.1	134.4	137.9
10°	100.0	101.7	101.7	100.0	100.0	103.4	110.3	124.1	137.9	143.1
12.5°	93.1	96.5	94.8	94.8	94.8	98.2	106.9	122.4	141.3	148.2
15°	86.2	91.3	91.3	89.6	89.6	91.3	103.4	120.6	146.5	158.6
17.5°	79.3	84.5	86.2	82.7	82.7	86.2	98.2	120.6	149.9	170.6
20°	65.5	74.1	79.3	74.1	74.1	77.6	89.6	113.8	151.7	182.7
22.5°	51.7	60.3	67.2	65.5	65.5	67.2	82.7	108.6	153.4	203.4
25°	37.9	46.5	51.7	55.2	55.2	60.3	75.8	105.1	160.3	246.5
27.5°	22.4	32.7	39.6	43.1	44.8	51.7	70.7	101.7	172.4	308.5
30°	10.3	19.0	27.6	34.5	34.5	46.5	65.5	98.2	187.9	398.1
32.5°	0.0	8.6	13.8	24.1	25.9	37.9	60.3	94.8	210.3	484.3
35°	0.0	0.0	6.9	19.0	19.0	31.0	55.2	91.3	244.7	549.8
37.5°	0.0	0.0	0.0	13.8	15.5	27.6	53.4	89.6	251.6	555.0
40°	0.0	0.0	0.0	10.3	12.1	25.9	53.4	91.3	227.5	542.9
42.5°	0.0	0.0	0.0	6.9	8.6	25.9	53.4	94.8	205.1	556.7
45°	0.0	0.0	0.0	5.2	6.9	27.6	51.7	93.1	193.0	629.1
47.5°	0.0	0.0	0.0	6.9	10.3	27.6	50.0	91.3	194.8	868.7
50°	0.0	0.0	0.0	8.6	12.1	27.6	51.7	87.9	213.7	1335.8
52.5°	0.0	0.0	0.0	6.9	10.3	31.0	56.9	86.2	232.7	1737.3
55°	0.0	0.0	0.0	1.7	5.2	39.6	62.0	86.2	262.0	1837.3
57.5°	0.0	0.0	0.0	0.0	0.0	44.8	70.7	91.3	310.2	1797.7
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*44.8*	*72.4*	*91.3*	*313.7*	*1763.2*
60°	0.0	0.0	0.0	0.0	0.0	44.8	79.3	101.7	337.8	1570.2
62.5°	0.0	0.0	0.0	0.0	0.0	37.9	94.8	127.5	351.6	1234.1
65°	0.0	0.0	0.0	0.0	0.0	31.0	112.0	139.6	361.9	982.4
67.5°	0.0	0.0	0.0	0.0	0.0	29.3	115.5	141.3	367.1	782.5
70°	0.0	0.0	0.0	0.0	0.0	31.0	113.8	151.7	384.4	636.0
72.5°	0.0	0.0	0.0	0.0	0.0	34.5	103.4	167.2	384.4	563.6
75°	0.0	0.0	0.0	0.0	0.0	36.2	96.5	187.9	349.9	487.8
77.5°	0.0	0.0	0.0	0.0	0.0	34.5	94.8	218.9	312.0	401.6
80°	3.4	5.2	5.2	3.4	3.4	29.3	93.1	222.3	265.4	275.8
82.5°	10.3	13.8	12.1	8.6	8.6	25.9	82.7	186.1	137.9	118.9
85°	19.0	22.4	22.4	19.0	19.0	24.1	51.7	67.2	46.5	37.9
87.5°	25.9	29.3	29.3	25.9	25.9	24.1	22.4	20.7	19.0	19.0
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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

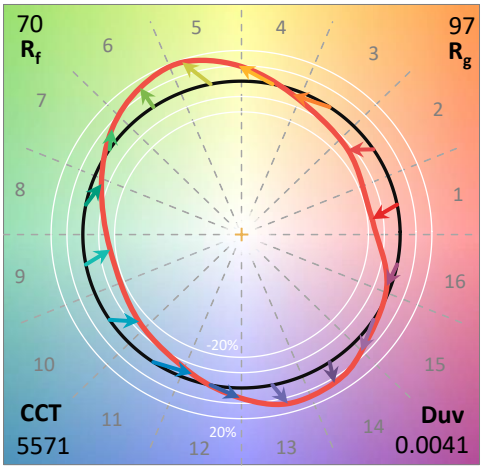
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-7
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-757-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571
CIE u':	0.2033
CIE v':	0.4806
Duv:	0.0041
CIE x:	0.3308
CIE y:	0.3476
CIE z:	0.3216
Peak Wavelength (nm):	442
Dominant Wavelength (nm):	544
Purity:	3.635698
Rf:	70.4
Rg:	97.1

CRI (Ra):	69.9
R1:	68.8
R2:	72.5
R3:	76.8
R4:	72.0
R5:	70.9
R6:	65.6
R7:	75.5
R8:	56.8
R9:	-35.4
R10:	36.7
R11:	73.9
R12:	47.8
R13:	68.0
R14:	87.0
R15:	59.8



Test Conditions

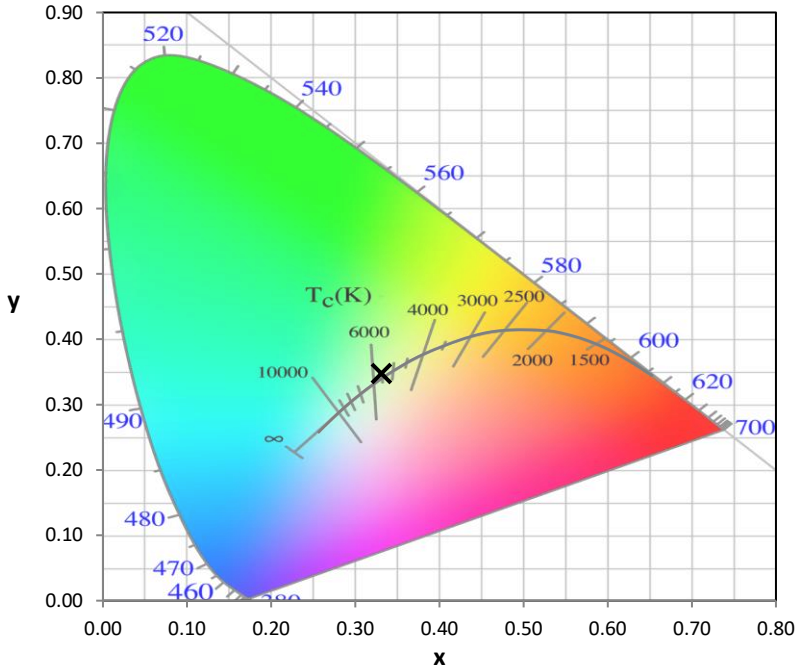
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-7

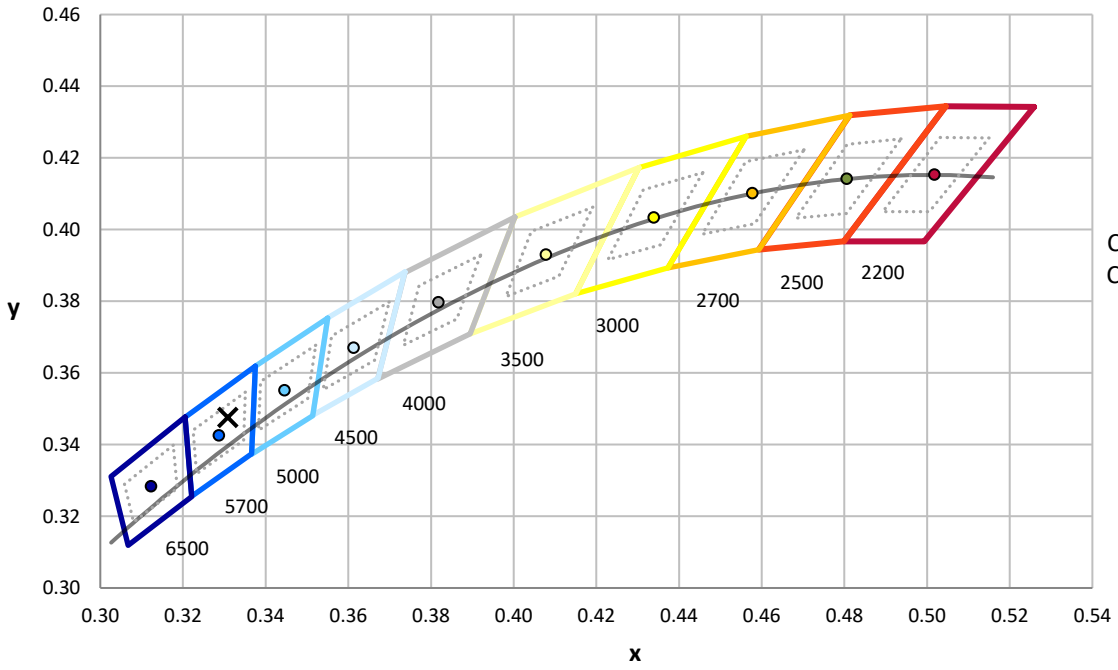
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-7

CIE 1931 Chromaticity Diagram



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

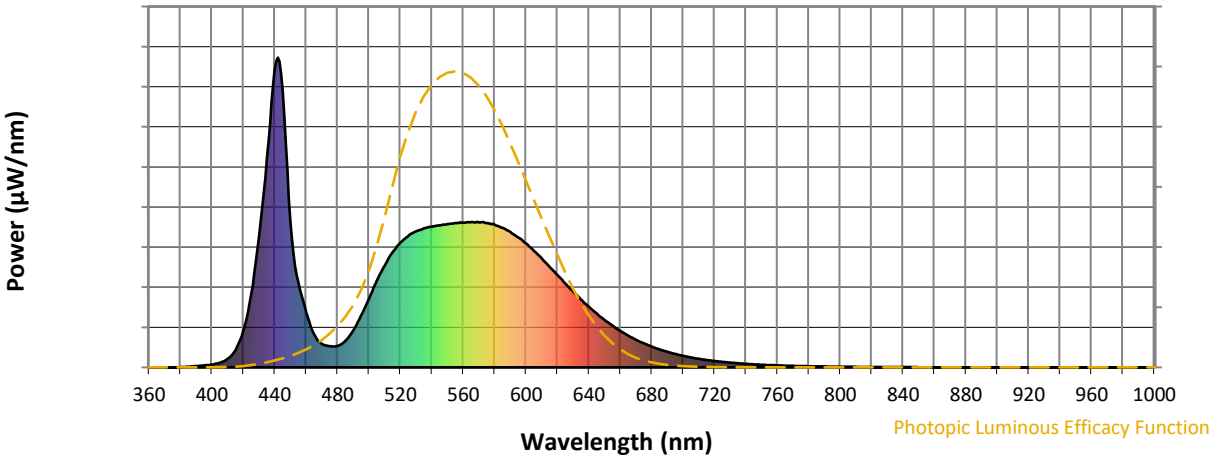


CCT = 5571K
CIE x = 0.3308
CIE y = 0.3476
Duv = 0.0041

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

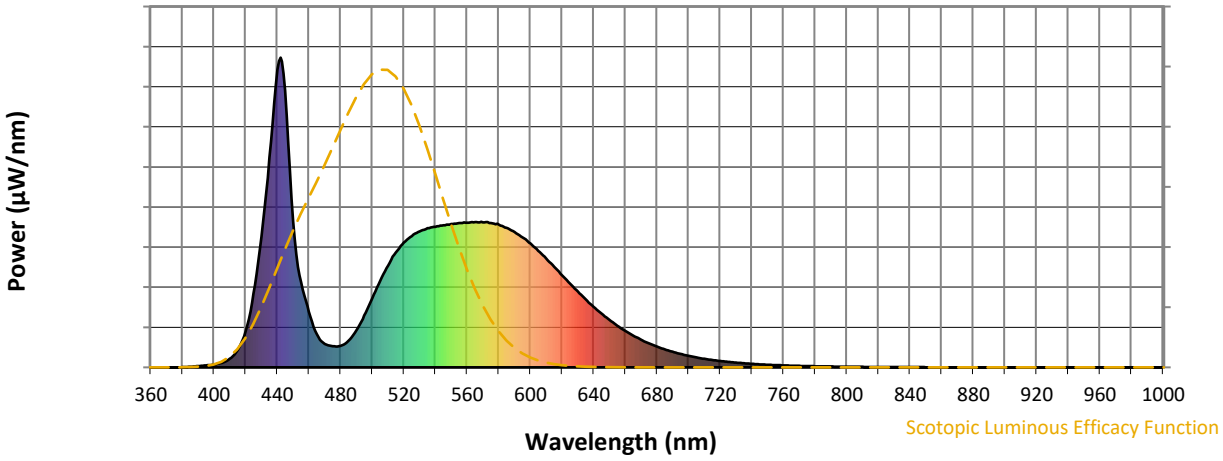


Photopic Lumens: NR

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength

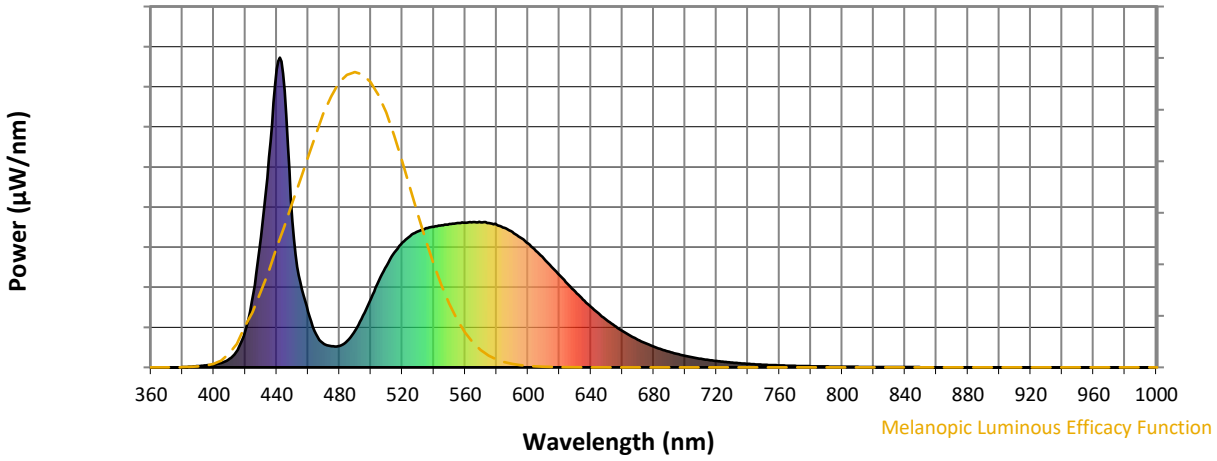


Scotopic Lumens: NR **S/P: 1.84**

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.71**

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

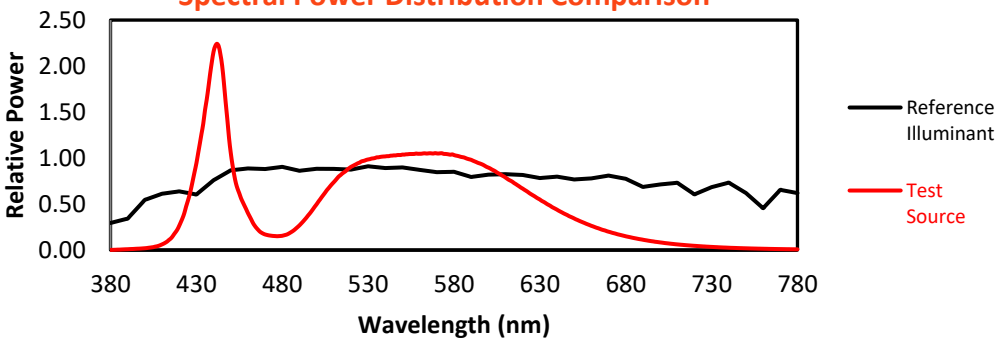
REPORT NUMBER: SP1-2407-184-7

TM-30-18

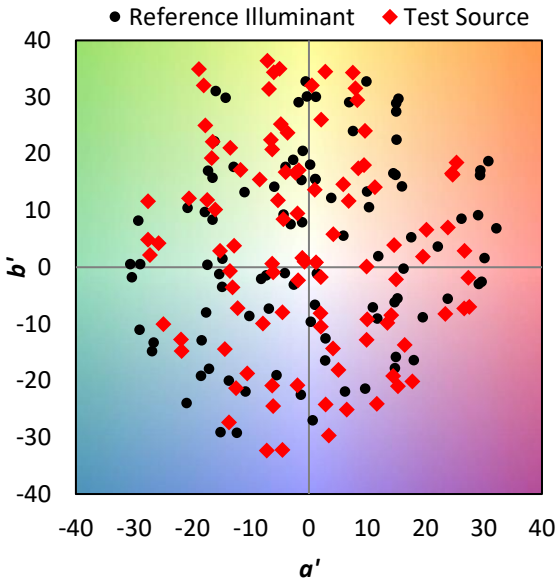
Summary

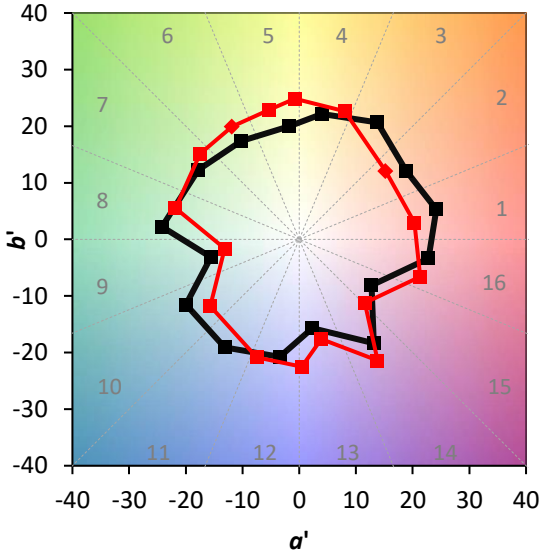
R_f = 70.4
R_g = 97.1
CIE R_a = 69.9
R_9 = -35.4

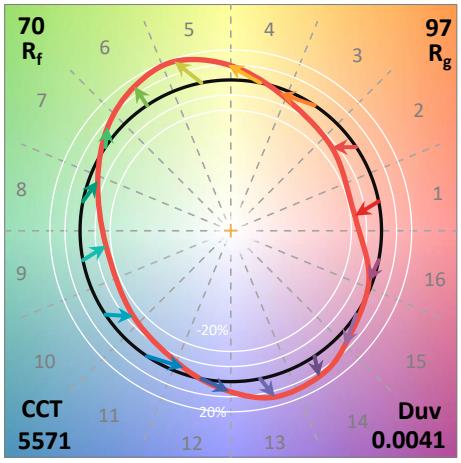
Spectral Power Distribution Comparison

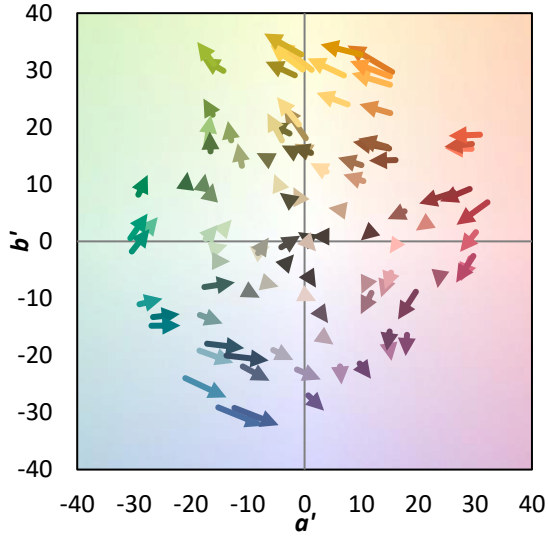


Color Vector Graphics







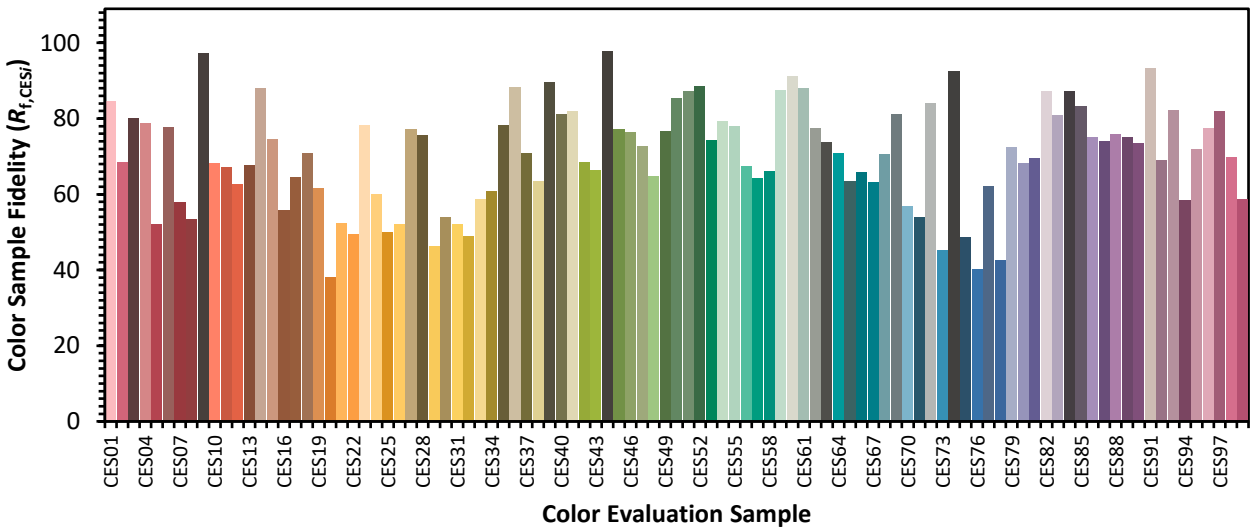


REPORT NUMBER: SP1-2407-184-7

TM-30-18

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

CES01 = 85	CES26 = 52	CES51 = 87	CES76 = 40
CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



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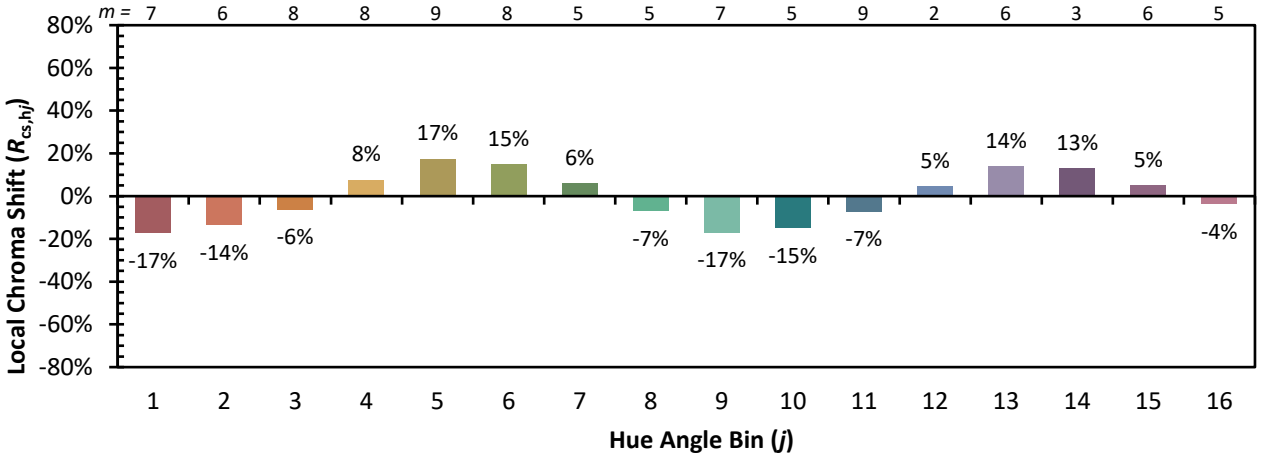
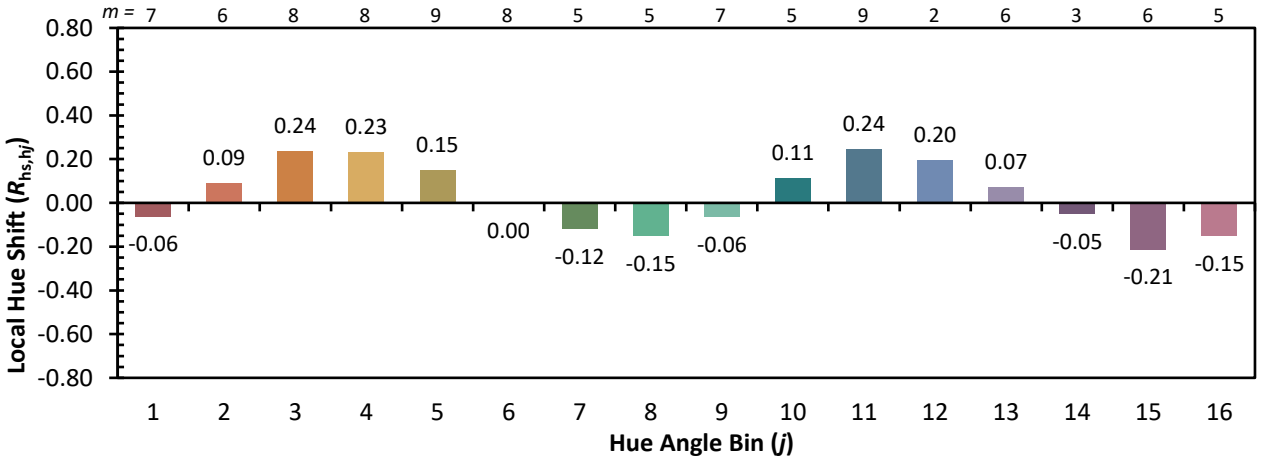
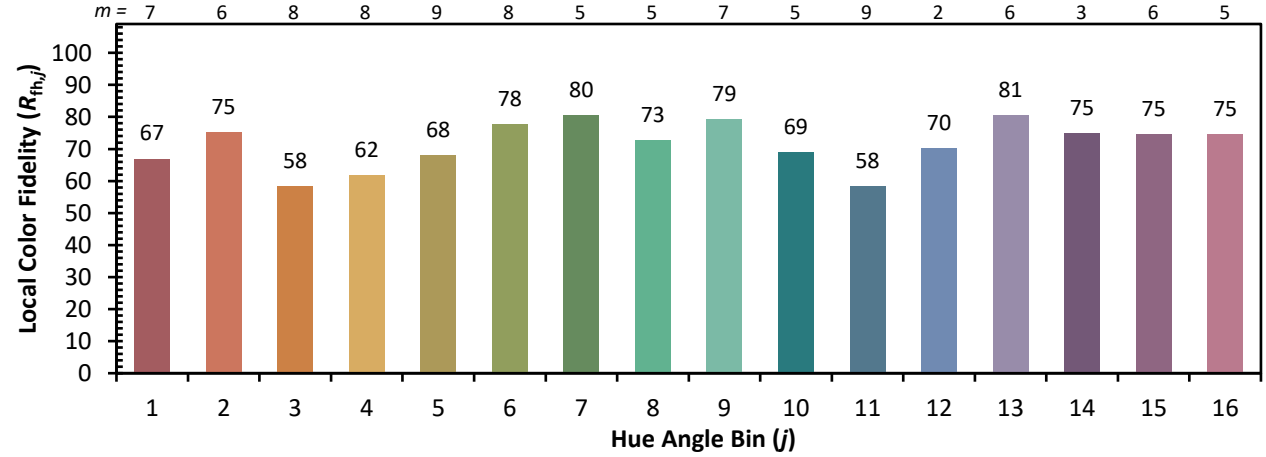
Color Rendition by Hue-Angle Bin







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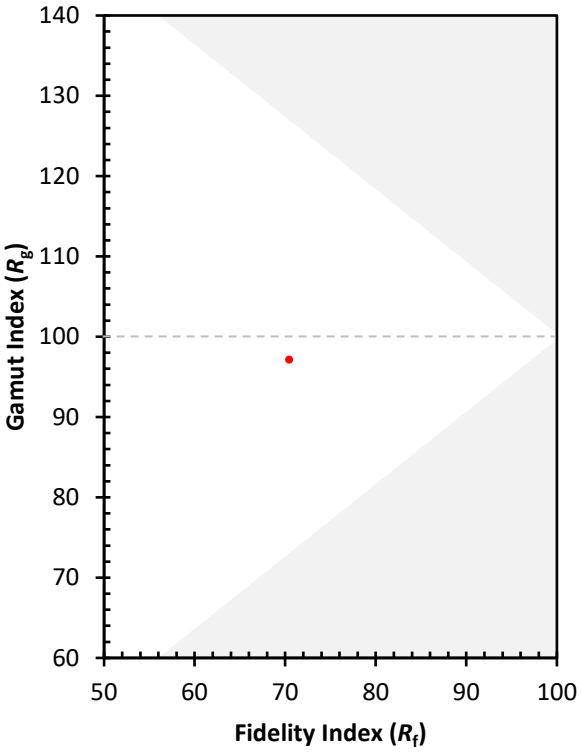
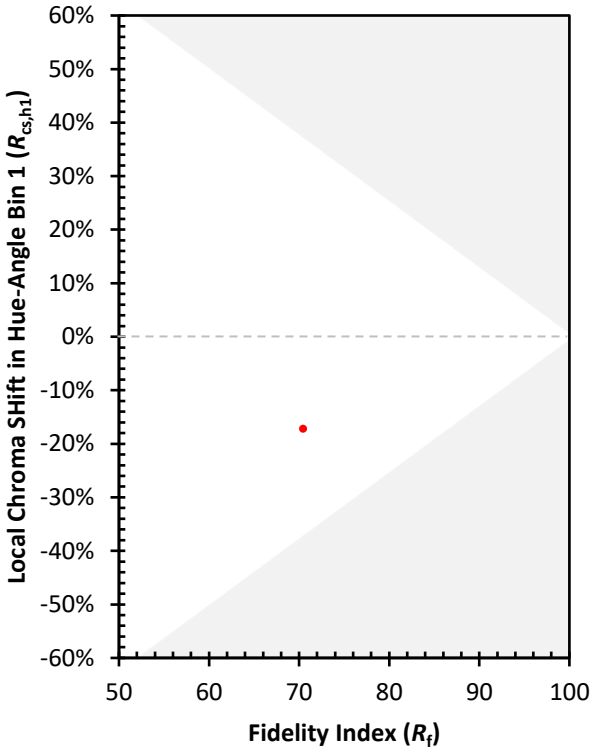
Measure Comparisons





(END OF REPORT)