

Signify Classified - Internal
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: P1065291

Luminaire Tested: **GLAN-SA4C-750-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065291
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-750-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20600.1 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
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

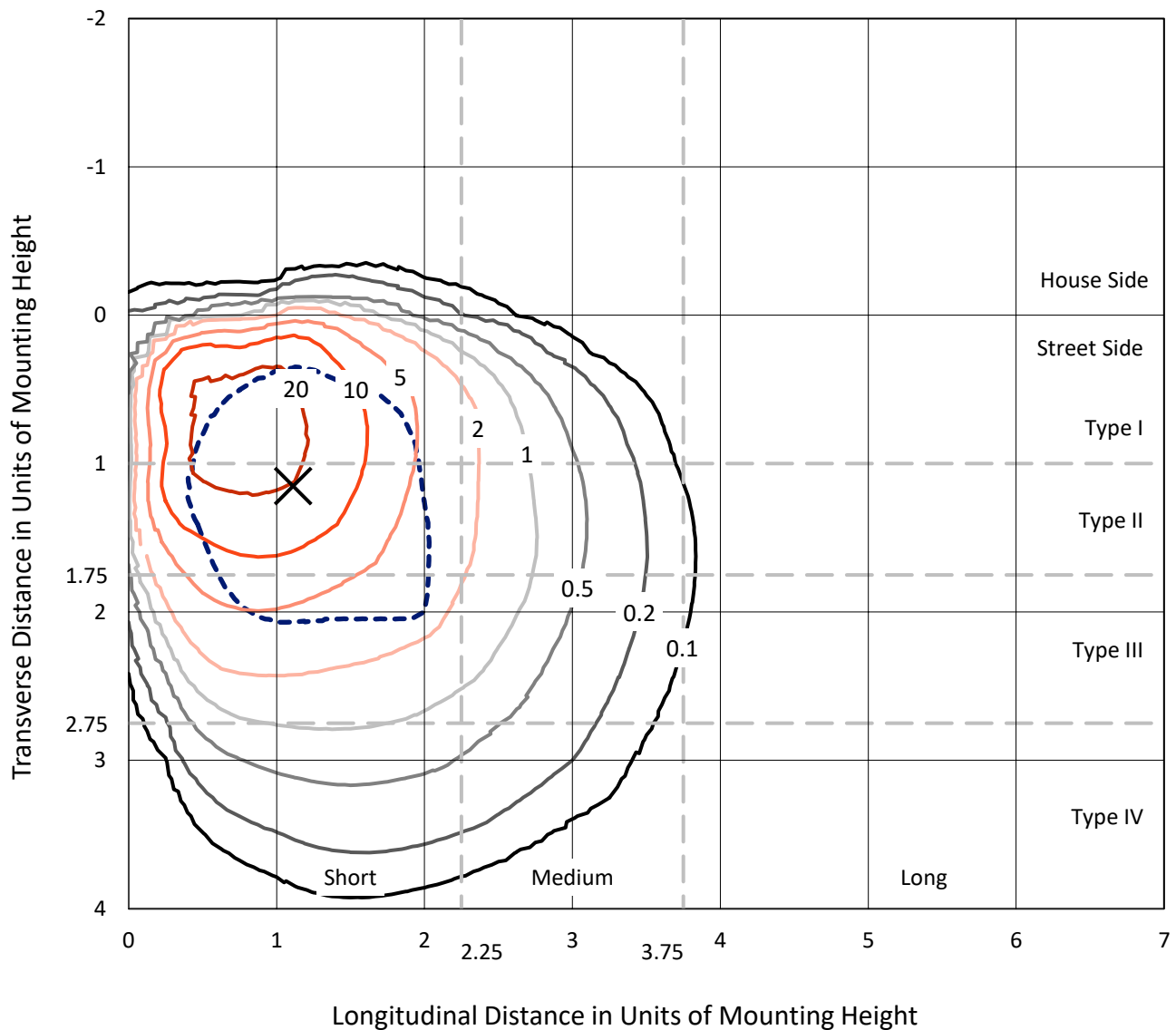
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

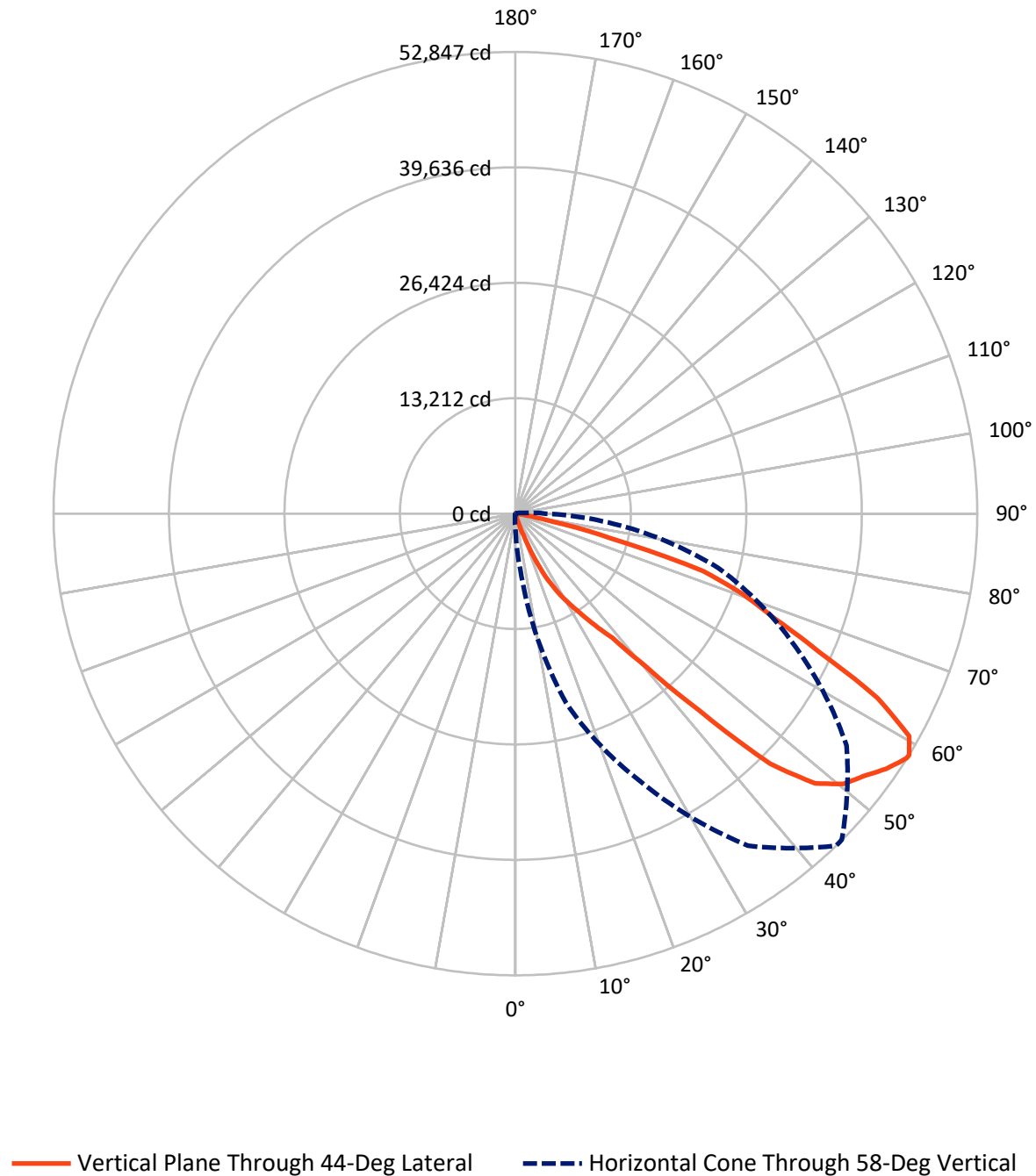


Based on 20 foot mounting height. Maximum calculated value = 35.9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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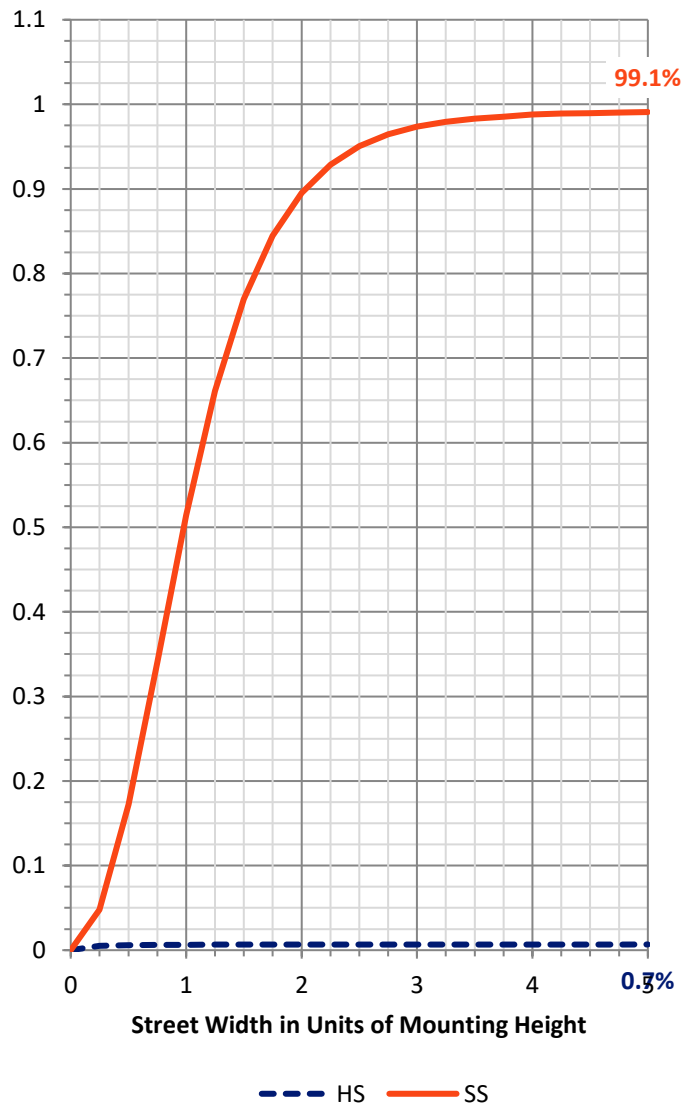
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	140.7	0.0	140.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	20459.5	0.0	20459.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	20600.1	0.0	20600.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.0
10°-20°	45.2	0.2
20°-30°	488.0	2.4
30°-40°	1443.2	7.0
40°-50°	4301.6	20.9
50°-60°	6825.7	33.1
60°-70°	5693.4	27.6
70°-80°	1755.9	8.5
80°-90°	39.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20600.1	100.0
0°-180°	20600.1	100.0



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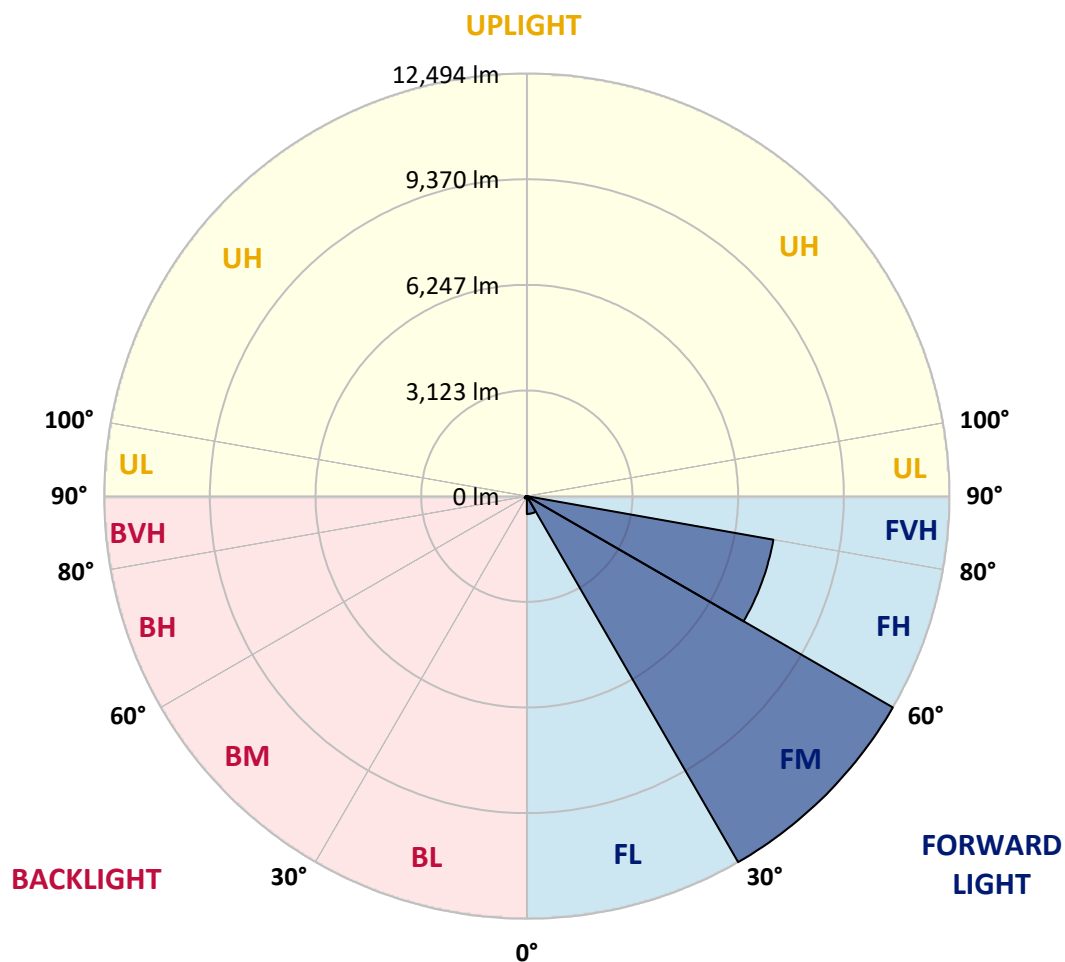
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	527.5	2.6			
FM	(30°-60°)	12493.6	60.6			
FH	(60°-80°)	7401.3	35.9			G3/7500
FVH	(80°-90°)	37.1	0.2			G1/100
BL	(0°-30°)	13.8	0.1	B0/110		
BM	(30°-60°)	77.0	0.4	B0/220		
BH	(60°-80°)	48.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	116.7	116.7	112.0	105.8	99.6	93.4	91.8	88.7	87.1	85.6
5°	121.4	121.4	119.8	115.2	108.9	104.3	104.3	99.6	96.5	93.4
7.5°	124.5	126.0	129.2	127.6	124.5	119.8	119.8	116.7	112.0	104.3
10°	129.2	133.8	140.1	143.2	144.7	144.7	143.2	141.6	133.8	122.9
12.5°	133.8	143.2	158.7	174.3	183.6	196.1	194.5	191.4	171.2	147.8
15°	143.2	157.2	189.9	235.0	305.0	348.6	365.7	350.1	283.2	199.2
17.5°	154.1	177.4	275.4	491.7	806.1	955.5	1045.7	972.6	644.3	378.1
20°	165.0	216.3	512.0	1274.5	2091.5	2580.1	2715.5	2503.9	1607.5	720.5
22.5°	183.6	303.5	1038.0	2634.6	4506.7	5239.6	5378.1	4701.2	3036.1	1422.3
25°	222.5	440.4	1789.6	4293.5	6725.8	7962.9	7905.3	7018.3	4925.3	2272.0
27.5°	278.6	641.1	2706.2	6100.2	8851.5	9942.3	10073.1	8976.0	6565.5	3341.1
30°	359.5	888.6	3689.7	7547.4	10555.5	11735.1	11756.8	10622.4	8032.9	4279.5
32.5°	437.3	1122.0	4550.2	8946.4	12234.6	13527.8	13624.2	12228.4	9128.5	5256.7
35°	496.4	1274.5	5421.7	10175.8	13927.7	15709.5	15703.3	14046.0	10426.3	6129.7
37.5°	501.1	1427.0	6210.7	11433.2	16072.1	18067.1	18264.7	16437.8	11994.9	7209.7
40°	490.2	1598.2	7209.7	13393.9	19936.0	22997.0	23171.3	20868.2	15141.5	9058.4
42.5°	502.6	1895.4	8831.2	17015.1	26352.1	30748.3	31084.4	28663.0	20925.8	12830.6
45°	568.0	2454.1	12228.4	23073.3	35497.7	40857.1	40745.1	37257.7	27656.2	18572.8
47.5°	784.3	3821.9	17264.1	28969.6	41342.7	46115.4	46211.9	41949.6	31584.0	22987.7
50°	1206.0	5848.1	21495.3	32086.6	43855.9	48644.2	48553.9	43628.7	33076.3	25161.7
52.5°	1568.6	7314.0	23617.9	33180.6	44178.0	49893.8	49887.6	44070.6	33308.2	25348.4
55°	1658.9	7424.5	23635.1	33239.7	44900.1	51529.3	51734.7	45158.4	33608.5	24533.0
57.5°	1623.1	6573.2	22648.4	33582.1	46185.5	52794.5	52805.4	46211.9	34371.0	24033.4
58°	1592.0	6439.4	22449.3	33776.6	46406.4	52847.4	52821.0	46260.2	34992.0	24014.8
60°	1417.7	5591.3	21672.7	34273.0	46078.1	51761.2	51513.8	45206.6	34900.1	23823.3
62.5°	1114.2	4361.9	20908.7	33698.8	42558.0	46502.9	46605.6	40023.0	31815.8	22707.6
65°	887.0	3250.8	19315.1	29559.4	35044.9	38188.3	38571.1	32545.7	26556.0	19228.0
67.5°	706.5	2349.8	16202.8	23533.9	27730.9	31871.8	32150.4	27324.7	20574.1	14732.2
70°	574.2	1588.8	11184.2	17211.2	22872.5	27528.6	27545.7	22699.8	15356.2	9652.9
72.5°	508.9	1100.2	6492.3	12552.0	18546.4	22432.1	21979.3	18420.3	11802.0	5717.4
75°	440.4	729.8	3183.9	7673.5	11244.9	11321.1	11493.8	8544.9	5899.4	2718.6
77.5°	362.6	518.2	1254.3	2096.2	3372.2	4316.8	4477.1	3392.4	1962.3	669.2
80°	249.0	245.9	337.7	642.7	964.8	1209.1	1128.2	873.0	513.5	256.8
82.5°	107.4	116.7	152.5	183.6	149.4	144.7	138.5	88.7	68.5	52.9
85°	34.2	31.1	32.7	32.7	26.5	20.2	20.2	9.3	0.0	0.0
87.5°	17.1	14.0	14.0	12.4	7.8	3.1	1.6	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

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
90.3	0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
84.0	2.5°	82.5	82.5	79.4	76.3	74.7	71.6	70.0	68.5	66.9	65.4
90.3	5°	87.1	85.6	80.9	76.3	71.6	66.9	63.8	60.7	57.6	56.0
99.6	7.5°	94.9	91.8	82.5	74.7	68.5	62.2	59.1	54.5	51.4	46.7
110.5	10°	104.3	98.0	85.6	76.3	66.9	59.1	54.5	49.8	45.1	38.9
126.0	12.5°	116.7	105.8	90.3	74.7	63.8	54.5	49.8	43.6	38.9	34.2
146.3	15°	127.6	113.6	91.8	74.7	60.7	49.8	43.6	37.3	32.7	26.5
183.6	17.5°	143.2	119.8	90.3	70.0	56.0	43.6	37.3	32.7	24.9	15.6
272.3	20°	169.6	124.5	87.1	65.4	48.2	35.8	28.0	21.8	10.9	3.1
409.3	22.5°	211.6	136.9	84.0	59.1	42.0	28.0	18.7	7.8	0.0	0.0
622.5	25°	292.6	158.7	84.0	56.0	37.3	20.2	6.2	0.0	0.0	0.0
883.9	27.5°	389.0	188.3	84.0	48.2	29.6	10.9	0.0	0.0	0.0	0.0
1204.5	30°	487.1	221.0	84.0	42.0	23.3	1.6	0.0	0.0	0.0	0.0
1483.0	32.5°	580.5	249.0	85.6	35.8	15.6	0.0	0.0	0.0	0.0	0.0
1869.0	35°	675.4	253.7	84.0	31.1	9.3	0.0	0.0	0.0	0.0	0.0
2342.0	37.5°	796.8	244.3	79.4	28.0	4.7	0.0	0.0	0.0	0.0	0.0
3081.2	40°	980.4	249.0	74.7	26.5	1.6	0.0	0.0	0.0	0.0	0.0
4399.3	42.5°	1319.6	269.2	68.5	26.5	0.0	0.0	0.0	0.0	0.0	0.0
7007.4	45°	2281.3	361.0	62.2	28.0	0.0	0.0	0.0	0.0	0.0	0.0
10519.7	47.5°	3773.7	648.9	60.7	28.0	0.0	0.0	0.0	0.0	0.0	0.0
12671.9	50°	4816.3	817.0	63.8	29.6	0.0	0.0	0.0	0.0	0.0	0.0
12941.1	52.5°	4808.6	910.4	66.9	31.1	6.2	0.0	0.0	0.0	0.0	0.0
11928.0	55°	4274.8	927.5	71.6	34.2	20.2	0.0	0.0	0.0	0.0	0.0
10250.5	57.5°	3573.0	846.6	82.5	42.0	37.3	0.0	0.0	0.0	0.0	0.0
9987.5	58°	3448.5	809.2	85.6	43.6	40.5	0.0	0.0	0.0	0.0	0.0
8663.2	60°	2826.0	659.8	108.9	54.5	54.5	0.0	0.0	0.0	0.0	0.0
7102.3	62.5°	1951.4	575.8	124.5	70.0	56.0	0.0	0.0	0.0	0.0	0.0
5236.5	65°	1380.3	519.8	135.4	74.7	45.1	0.0	0.0	0.0	0.0	0.0
3720.8	67.5°	1031.7	479.3	149.4	76.3	23.3	0.0	0.0	0.0	0.0	0.0
2334.2	70°	790.5	449.7	183.6	80.9	6.2	0.0	0.0	0.0	0.0	0.0
1391.2	72.5°	644.3	415.5	222.5	84.0	0.0	0.0	0.0	0.0	0.0	0.0
834.1	75°	533.8	375.0	214.8	91.8	0.0	0.0	0.0	0.0	0.0	0.0
445.1	77.5°	354.8	291.0	196.1	91.8	0.0	0.0	0.0	0.0	0.0	0.0
158.7	80°	124.5	115.2	152.5	80.9	0.0	0.0	0.0	0.0	0.0	0.0
32.7	82.5°	18.7	15.6	21.8	28.0	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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
90.3	0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
63.8	2.5°	63.8	63.8	62.2	63.8	63.8	66.9	74.7	85.6	98.0	102.7
54.5	5°	52.9	51.4	49.8	49.8	49.8	54.5	60.7	73.1	87.1	93.4
45.1	7.5°	43.6	42.0	40.5	38.9	38.9	42.0	49.8	63.8	77.8	84.0
37.3	10°	35.8	32.7	31.1	29.6	29.6	32.7	40.5	54.5	70.0	76.3
31.1	12.5°	29.6	24.9	21.8	20.2	18.7	23.3	31.1	43.6	60.7	68.5
23.3	15°	20.2	15.6	10.9	9.3	7.8	12.4	20.2	34.2	51.4	60.7
12.4	17.5°	10.9	4.7	1.6	0.0	0.0	3.1	9.3	24.9	42.0	49.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	31.1	38.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	18.7	26.5
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	14.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	4.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	12.4
0.0	90°	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):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
90.3	0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
107.4	2.5°	110.5	108.9	105.8	102.7	102.7	102.7	107.4	112.0	116.7	116.7
96.5	5°	102.7	102.7	101.2	98.0	98.0	99.6	105.8	113.6	119.8	121.4
88.7	7.5°	94.9	98.0	94.9	93.4	94.9	96.5	102.7	112.0	121.4	124.5
82.5	10°	90.3	91.8	91.8	90.3	90.3	93.4	99.6	112.0	124.5	129.2
74.7	12.5°	84.0	87.1	85.6	85.6	85.6	88.7	96.5	110.5	127.6	133.8
66.9	15°	77.8	82.5	82.5	80.9	80.9	82.5	93.4	108.9	132.3	143.2
57.6	17.5°	71.6	76.3	77.8	74.7	74.7	77.8	88.7	108.9	135.4	154.1
46.7	20°	59.1	66.9	71.6	66.9	66.9	70.0	80.9	102.7	136.9	165.0
34.2	22.5°	46.7	54.5	60.7	59.1	59.1	60.7	74.7	98.0	138.5	183.6
20.2	25°	34.2	42.0	46.7	49.8	49.8	54.5	68.5	94.9	144.7	222.5
9.3	27.5°	20.2	29.6	35.8	38.9	40.5	46.7	63.8	91.8	155.6	278.6
0.0	30°	9.3	17.1	24.9	31.1	31.1	42.0	59.1	88.7	169.6	359.5
0.0	32.5°	0.0	7.8	12.4	21.8	23.3	34.2	54.5	85.6	189.9	437.3
0.0	35°	0.0	0.0	6.2	17.1	17.1	28.0	49.8	82.5	221.0	496.4
0.0	37.5°	0.0	0.0	0.0	12.4	14.0	24.9	48.2	80.9	227.2	501.1
0.0	40°	0.0	0.0	0.0	9.3	10.9	23.3	48.2	82.5	205.4	490.2
0.0	42.5°	0.0	0.0	0.0	6.2	7.8	23.3	48.2	85.6	185.2	502.6
0.0	45°	0.0	0.0	0.0	4.7	6.2	24.9	46.7	84.0	174.3	568.0
0.0	47.5°	0.0	0.0	0.0	6.2	9.3	24.9	45.1	82.5	175.8	784.3
0.0	50°	0.0	0.0	0.0	7.8	10.9	24.9	46.7	79.4	193.0	1206.0
0.0	52.5°	0.0	0.0	0.0	6.2	9.3	28.0	51.4	77.8	210.1	1568.6
0.0	55°	0.0	0.0	0.0	1.6	4.7	35.8	56.0	77.8	236.5	1658.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	40.5	63.8	82.5	280.1	1623.1
0.0	58°	0.0	0.0	0.0	0.0	0.0	40.5	65.4	82.5	283.2	1592.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	40.5	71.6	91.8	305.0	1417.7
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	34.2	85.6	115.2	317.5	1114.2
0.0	65°	0.0	0.0	0.0	0.0	0.0	28.0	101.2	126.0	326.8	887.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	26.5	104.3	127.6	331.5	706.5
0.0	70°	0.0	0.0	0.0	0.0	0.0	28.0	102.7	136.9	347.0	574.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	31.1	93.4	150.9	347.0	508.9
0.0	75°	0.0	0.0	0.0	0.0	0.0	32.7	87.1	169.6	315.9	440.4
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	31.1	85.6	197.6	281.7	362.6
0.0	80°	3.1	4.7	4.7	3.1	3.1	26.5	84.0	200.7	239.6	249.0
1.6	82.5°	9.3	12.4	10.9	7.8	7.8	23.3	74.7	168.1	124.5	107.4
9.3	85°	17.1	20.2	20.2	17.1	17.1	21.8	46.7	60.7	42.0	34.2
17.1	87.5°	23.3	26.5	26.5	23.3	23.3	21.8	20.2	18.7	17.1	17.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

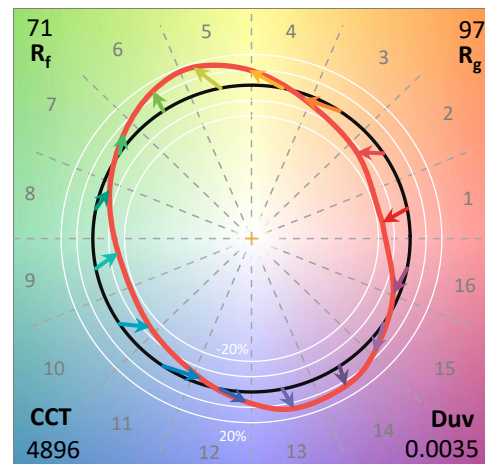
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

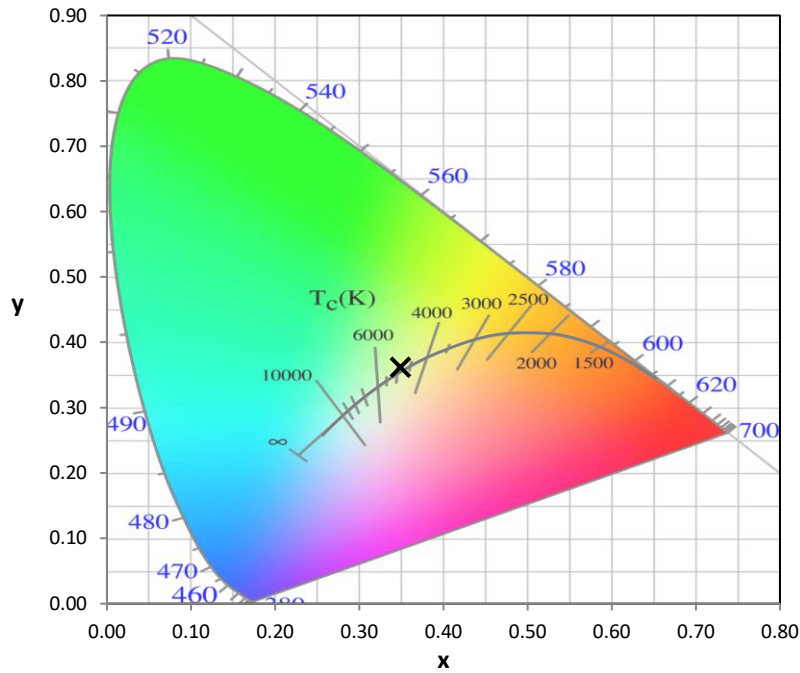
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

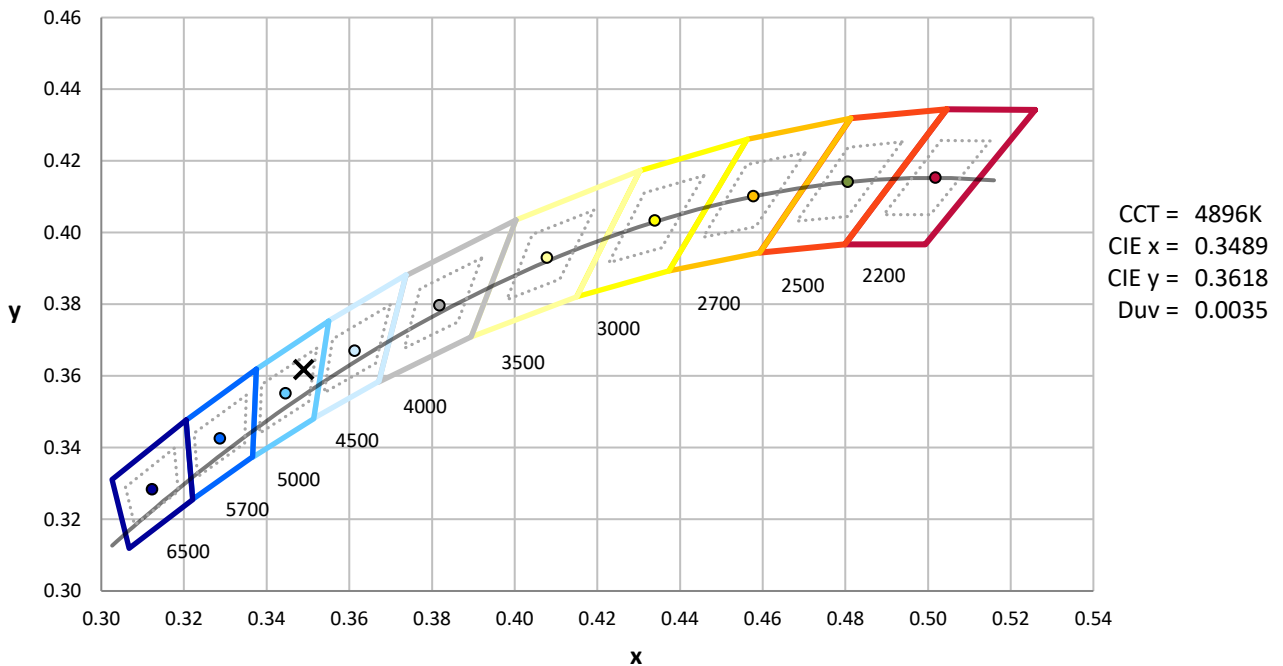
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

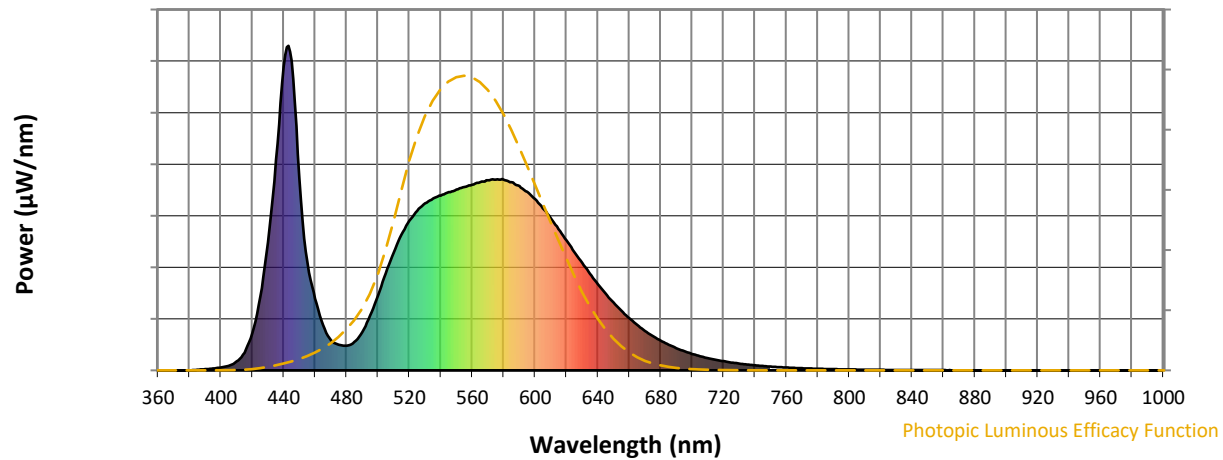


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

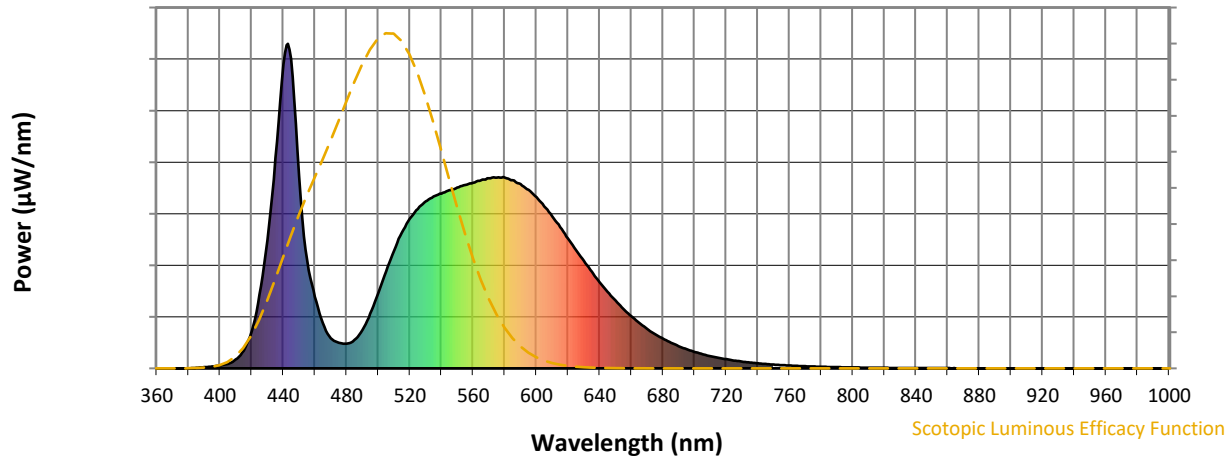


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



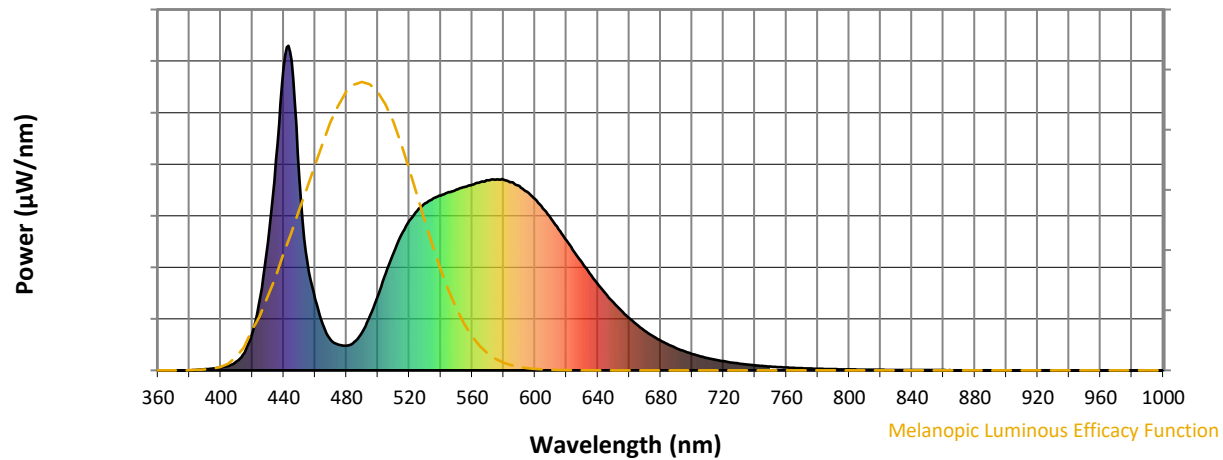
Scotopic Lumens: NR

S/P: 1.7

λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

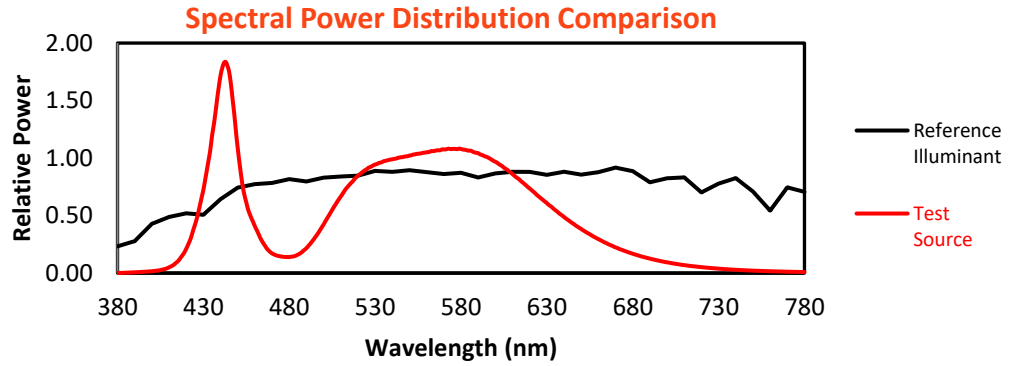
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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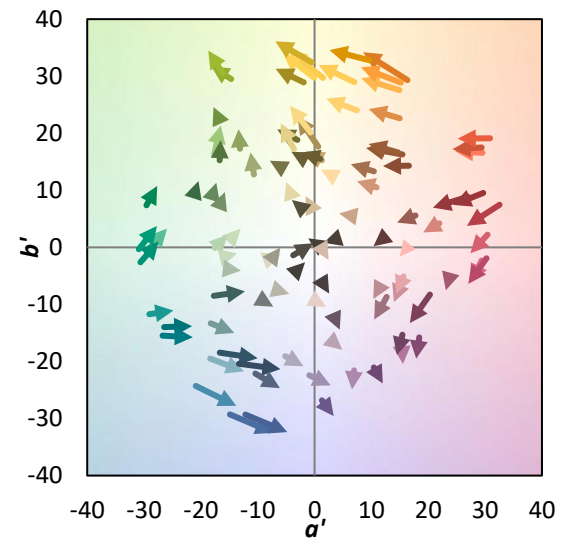
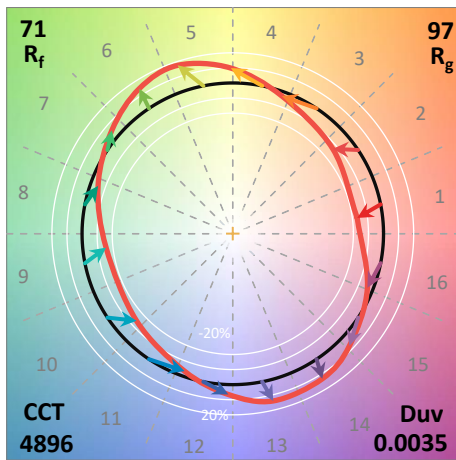
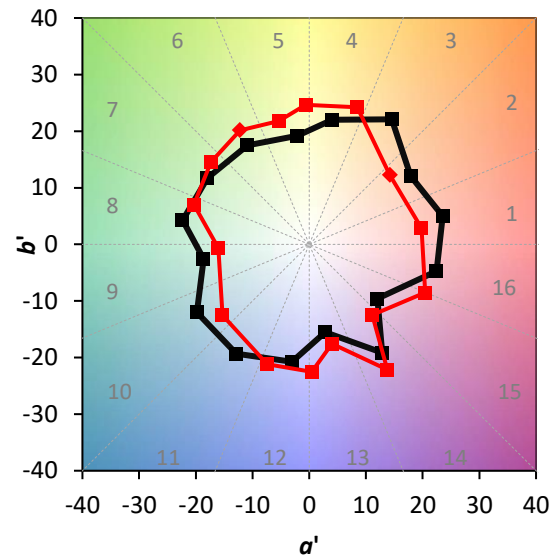
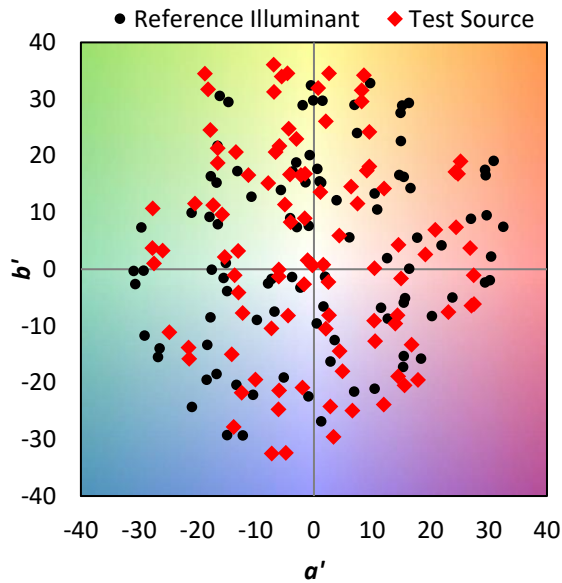
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$

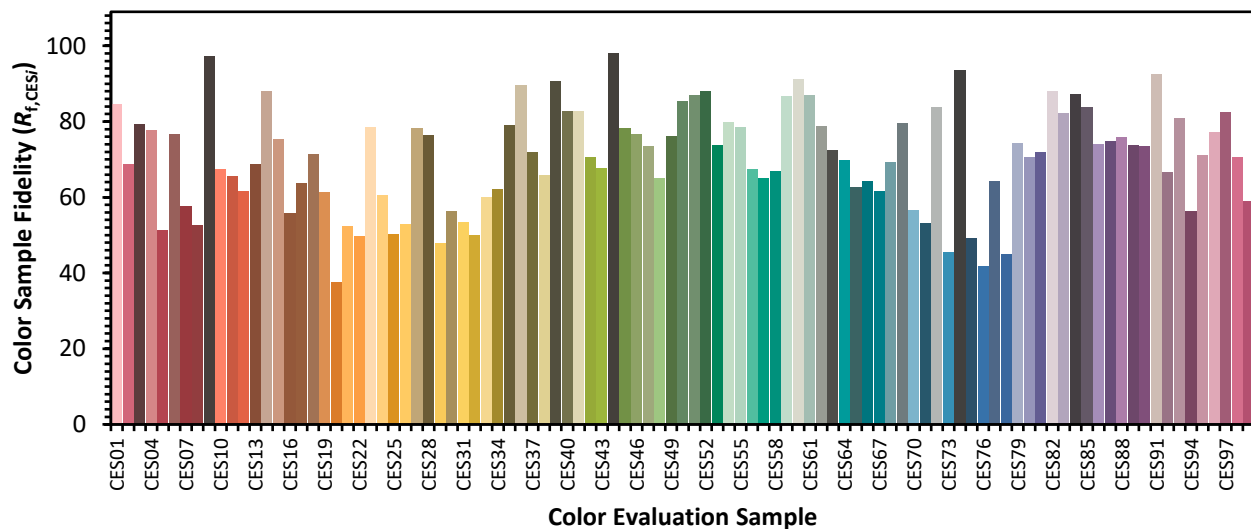


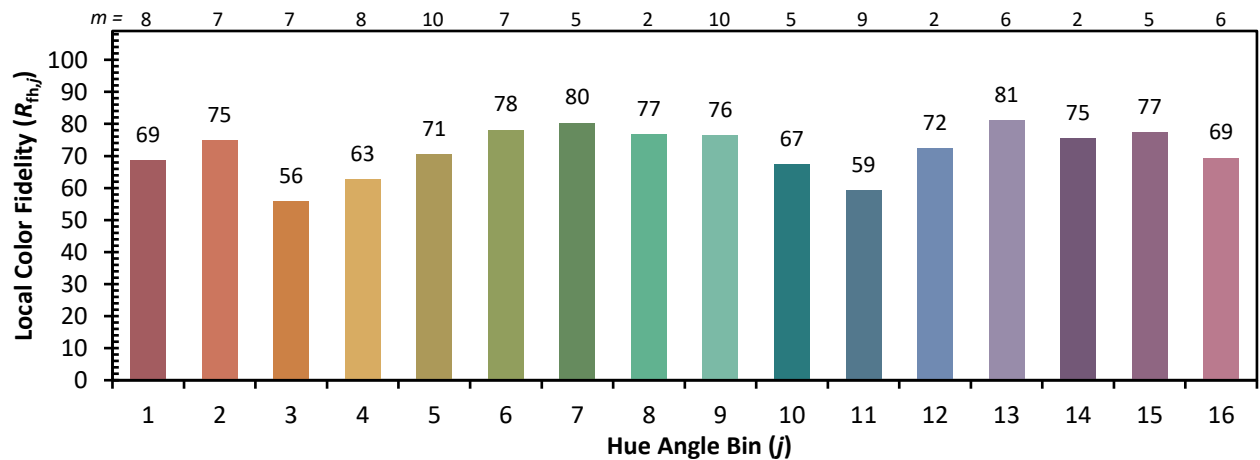
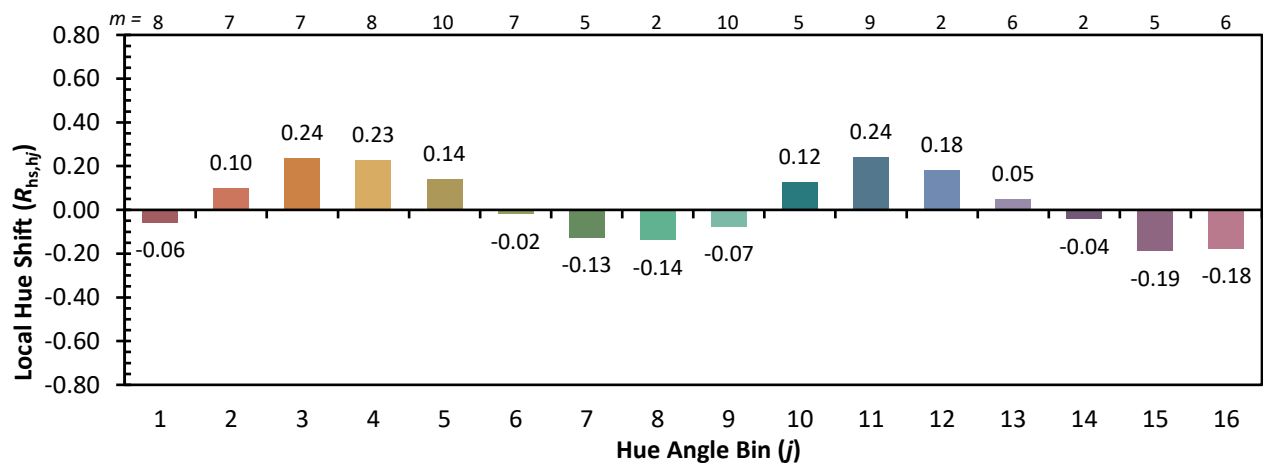
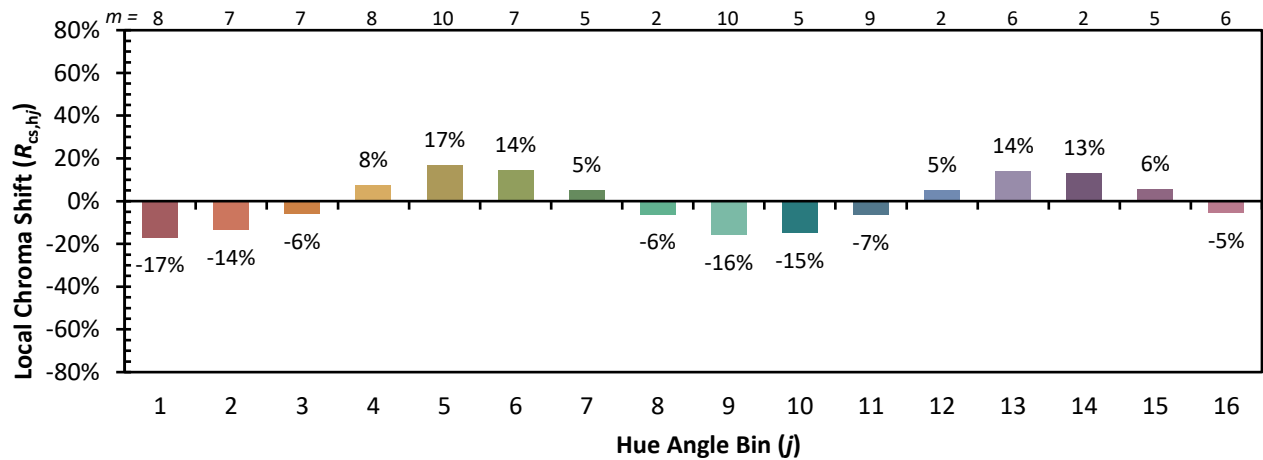
Color Vector Graphics



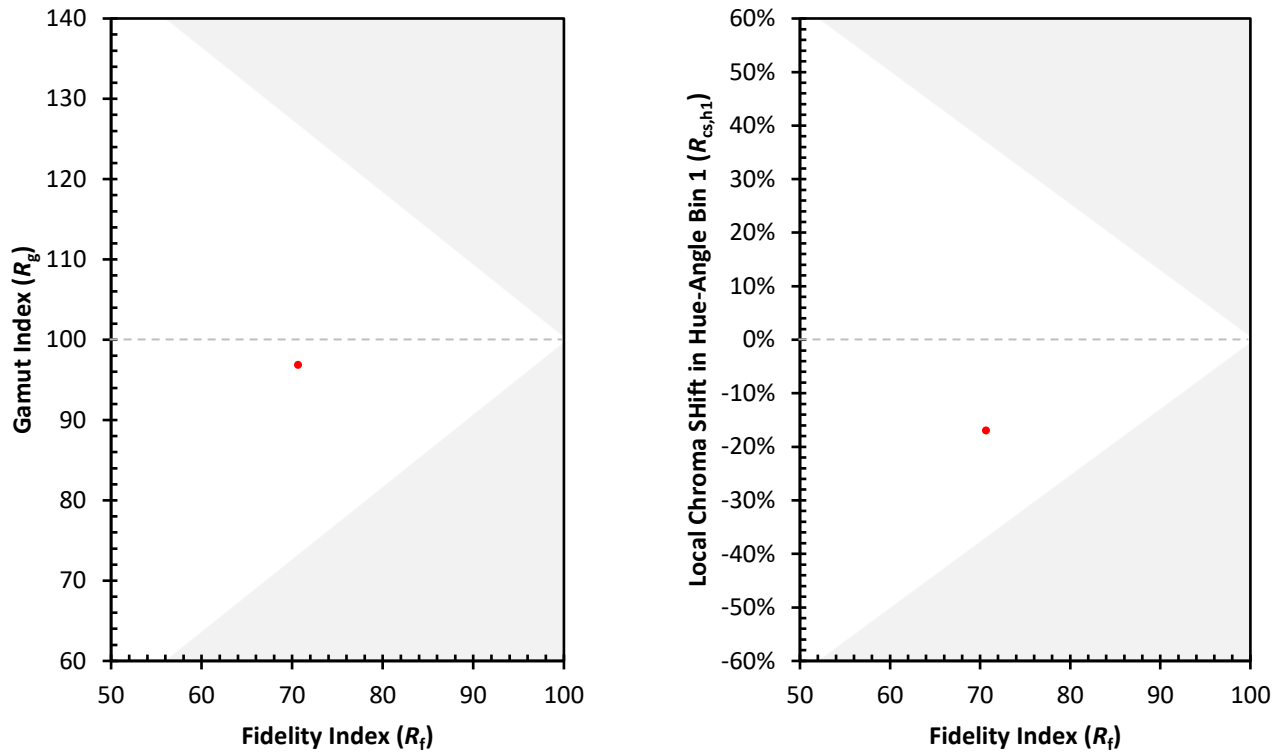
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)