

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: McGRAW-EDISON

Report Number: P1049598

Luminaire Tested: **GALN-SA8B-730-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049598
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8B-730-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 8xLight Square PACKAGE
70CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31657.5 lumens
Efficiency: N/A
Efficacy: 111.9 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): 282.8
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

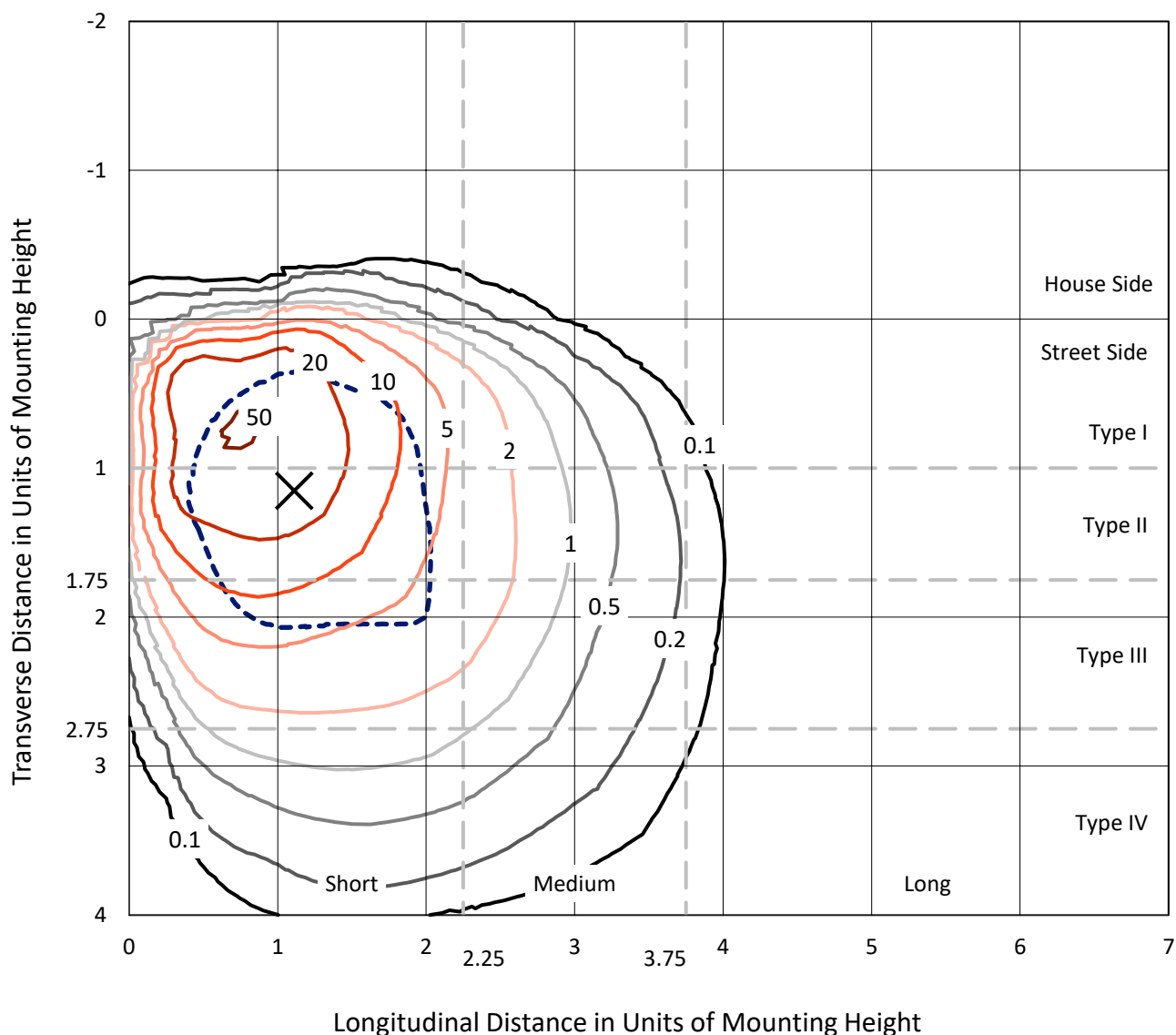
REPORT NUMBER: P1049598

CATALOG NUMBER: GALN-SA8B-730-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

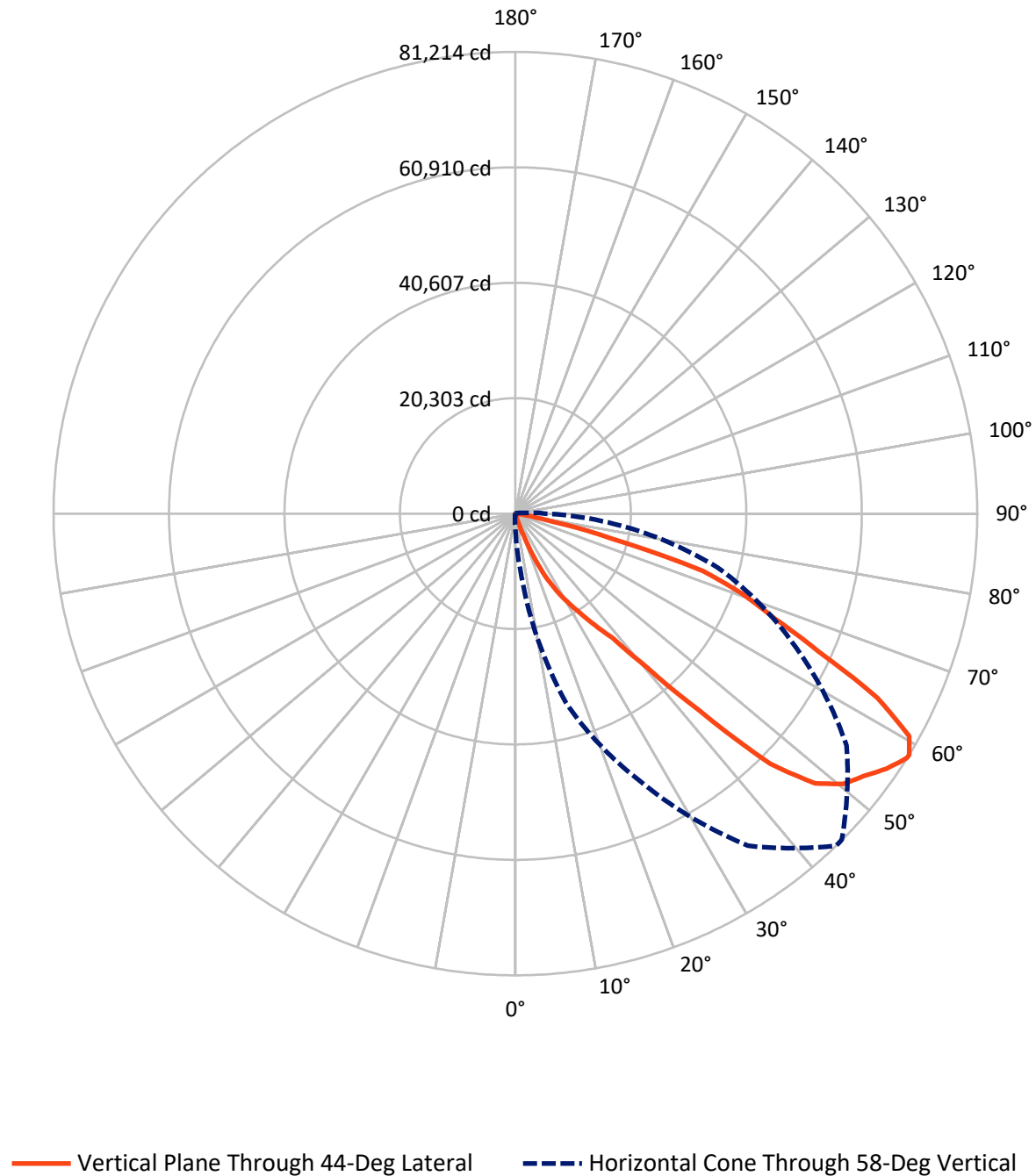


Based on 20 foot mounting height. Maximum calculated value = 55.1 fc

Type III - Short - N/A

REPORT NUMBER: P1049598
CATALOG NUMBER: GALN-SA8B-730-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049598

CATALOG NUMBER: GALN-SA8B-730-U-LBC

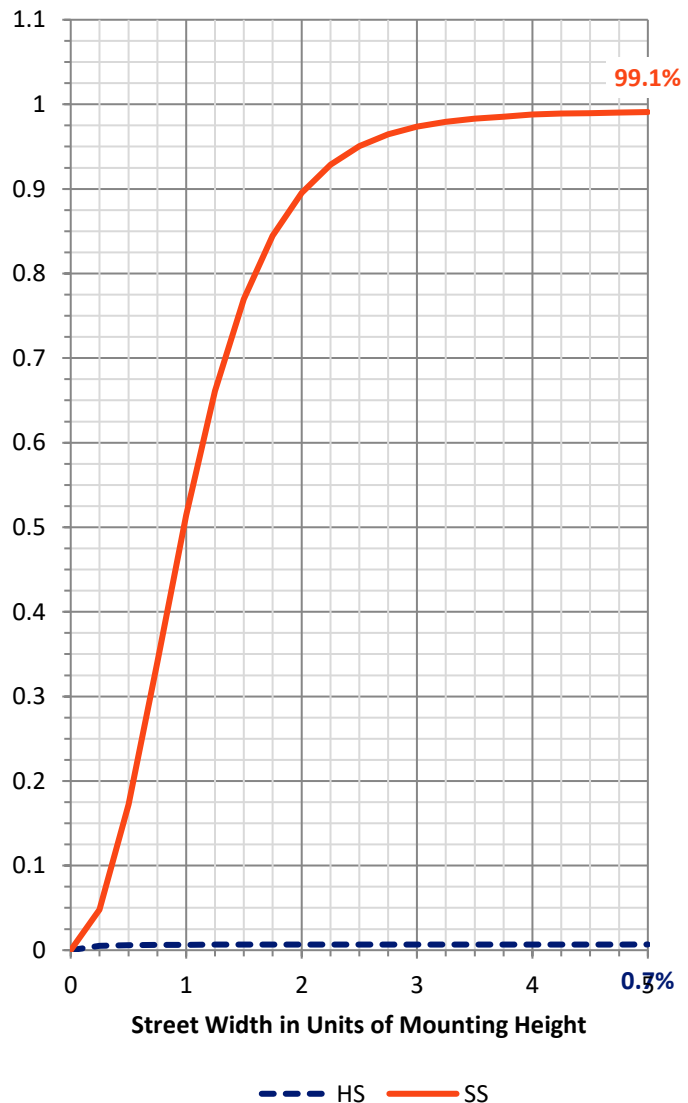
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	216.2	0.0	216.2
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	31441.4	0.0	31441.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	31657.5	0.0	31657.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.0
10°-20°	69.4	0.2
20°-30°	750.0	2.4
30°-40°	2217.9	7.0
40°-50°	6610.6	20.9
50°-60°	10489.4	33.1
60°-70°	8749.4	27.6
70°-80°	2698.5	8.5
80°-90°	59.9	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°	31657.5	100.0
0°-180°	31657.5	100.0



REPORT NUMBER: P1049598

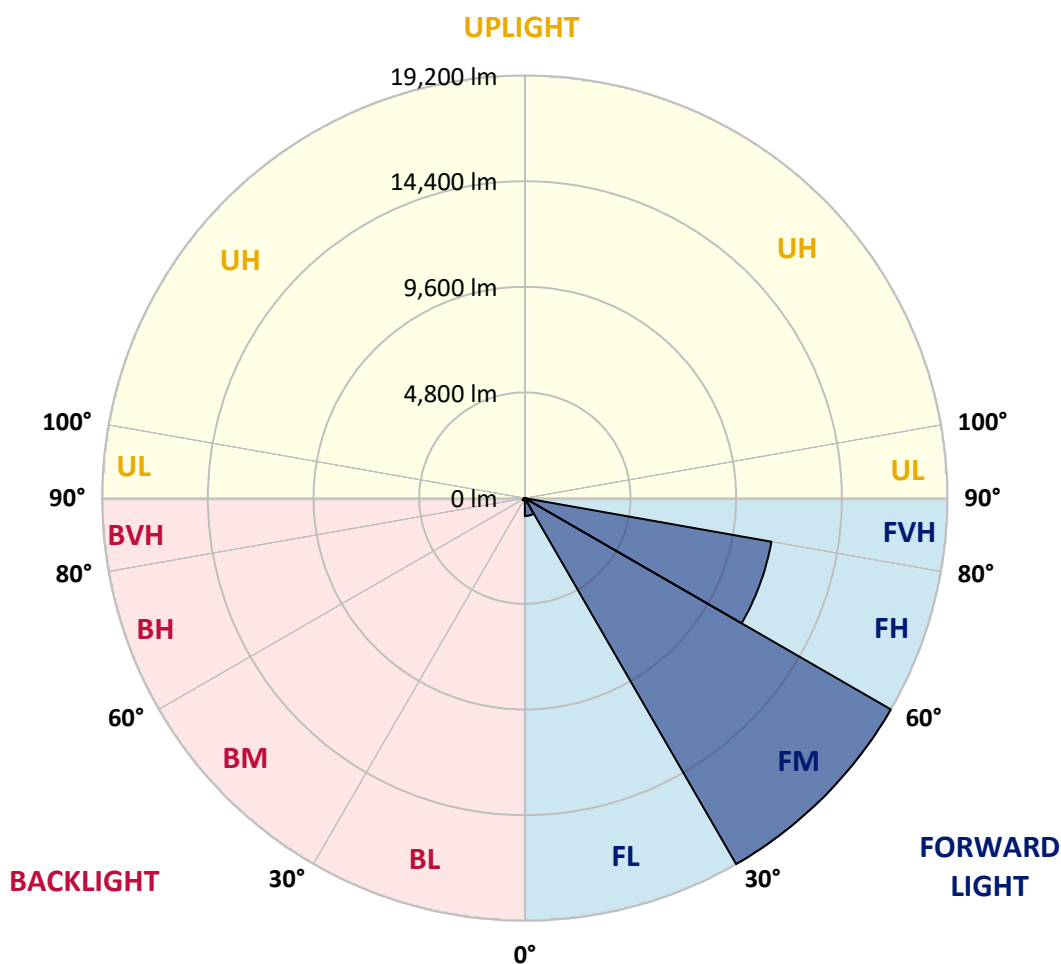
CATALOG NUMBER: GALN-SA8B-730-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	810.6	2.6			
FM	(30°-60°)	19199.6	60.6			
FH	(60°-80°)	11374.1	35.9			G4/12000
FVH	(80°-90°)	57.0	0.2			G1/100
BL	(0°-30°)	21.1	0.1	B0/110		
BM	(30°-60°)	118.3	0.4	B0/220		
BH	(60°-80°)	73.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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-G4

Type III Short



REPORT NUMBER: P1049598

CATALOG NUMBER: GALN-SA8B-730-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	179.4	179.4	172.2	162.6	153.1	143.5	141.1	136.3	133.9	131.5
5°	186.5	186.5	184.1	177.0	167.4	160.2	160.2	153.1	148.3	143.5
7.5°	191.3	193.7	198.5	196.1	191.3	184.1	184.1	179.4	172.2	160.2
10°	198.5	205.7	215.2	220.0	222.4	222.4	220.0	217.6	205.7	188.9
12.5°	205.7	220.0	243.9	267.8	282.2	301.3	298.9	294.1	263.1	227.2
15°	220.0	241.5	291.8	361.1	468.7	535.7	562.0	538.1	435.2	306.1
17.5°	236.8	272.6	423.3	755.7	1238.8	1468.4	1607.1	1494.7	990.1	581.1
20°	253.5	332.4	786.8	1958.6	3214.1	3965.0	4173.1	3847.9	2470.4	1107.2
22.5°	282.2	466.3	1595.1	4048.7	6925.7	8052.0	8264.9	7224.6	4665.7	2185.8
25°	342.0	676.8	2750.2	6598.0	10335.9	12237.1	12148.6	10785.5	7569.0	3491.5
27.5°	428.1	985.3	4158.7	9374.5	13602.6	15279.0	15479.9	13793.9	10089.6	5134.5
30°	552.4	1365.5	5670.1	11598.6	16221.3	18034.0	18067.5	16324.1	12344.7	6576.5
32.5°	672.0	1724.2	6992.6	13748.5	18801.6	20788.9	20937.2	18792.1	14028.3	8078.3
35°	762.9	1958.6	8331.8	15637.7	21403.5	24141.8	24132.2	21585.3	16022.8	9420.0
37.5°	770.0	2193.0	9544.3	17570.0	24699.0	27764.8	28068.5	25261.0	18433.4	11079.6
40°	753.3	2456.0	11079.6	20583.3	30637.0	35341.0	35608.8	32069.5	23268.9	13920.7
42.5°	772.4	2912.8	13571.5	26148.2	40496.9	47252.8	47769.4	44048.3	32157.9	19717.6
45°	872.9	3771.3	18792.1	35458.1	54551.5	62787.7	62615.5	57256.3	42501.0	28542.1
47.5°	1205.3	5873.4	26530.8	44519.4	63533.9	70868.5	71016.7	64466.5	48537.0	35326.6
50°	1853.4	8987.1	33033.2	49309.5	67396.1	74754.6	74615.9	67046.9	50830.4	38667.5
52.5°	2410.6	11239.9	36295.2	50990.7	67891.1	76674.9	76665.4	67726.1	51186.8	38954.5
55°	2549.3	11409.6	36321.5	51081.5	69000.7	79188.3	79504.0	69397.7	51648.3	37701.3
57.5°	2494.3	10101.5	34805.3	51607.7	70976.1	81132.6	81149.3	71016.7	52820.1	36933.7
58°	2446.5	9895.9	34499.2	51906.6	71315.7	81213.9	81173.3	71090.9	53774.3	36905.0
60°	2178.6	8592.5	33305.8	52669.5	70811.1	79544.7	79164.4	69471.9	53633.2	36610.8
62.5°	1712.3	6703.3	32131.6	51787.0	65401.6	71463.9	71621.8	61505.9	48893.4	34896.2
65°	1363.1	4995.8	29682.8	45425.7	53855.6	58686.4	59274.7	50015.0	40810.2	29548.9
67.5°	1085.7	3611.1	24899.9	36166.0	42615.8	48979.5	49407.5	41991.6	31617.5	22639.9
70°	882.4	2441.7	17187.4	26449.5	35149.6	42304.9	42331.2	34884.2	23598.9	14834.2
72.5°	782.0	1690.8	9977.2	19289.5	28501.4	34472.9	33777.0	28307.7	18136.8	8786.2
75°	676.8	1121.6	4892.9	11792.3	17280.7	17397.9	17663.3	13131.5	9066.0	4177.9
77.5°	557.2	796.4	1927.5	3221.3	5182.3	6633.9	6880.2	5213.4	3015.6	1028.3
80°	382.6	377.9	518.9	987.7	1482.7	1858.2	1733.8	1341.6	789.2	394.6
82.5°	165.0	179.4	234.4	282.2	229.6	222.4	212.8	136.3	105.2	81.3
85°	52.6	47.8	50.2	50.2	40.7	31.1	31.1	14.3	0.0	0.0
87.5°	26.3	21.5	21.5	19.1	12.0	4.8	2.4	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

REPORT NUMBER: P1049598

CATALOG NUMBER: GALN-SA8B-730-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
138.7	0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
129.1	2.5°	126.7	126.7	122.0	117.2	114.8	110.0	107.6	105.2	102.8	100.4
138.7	5°	133.9	131.5	124.4	117.2	110.0	102.8	98.0	93.3	88.5	86.1
153.1	7.5°	145.9	141.1	126.7	114.8	105.2	95.7	90.9	83.7	78.9	71.7
169.8	10°	160.2	150.7	131.5	117.2	102.8	90.9	83.7	76.5	69.4	59.8
193.7	12.5°	179.4	162.6	138.7	114.8	98.0	83.7	76.5	67.0	59.8	52.6
224.8	15°	196.1	174.6	141.1	114.8	93.3	76.5	67.0	57.4	50.2	40.7
282.2	17.5°	220.0	184.1	138.7	107.6	86.1	67.0	57.4	50.2	38.3	23.9
418.5	20°	260.7	191.3	133.9	100.4	74.1	55.0	43.0	33.5	16.7	4.8
629.0	22.5°	325.2	210.4	129.1	90.9	64.6	43.0	28.7	12.0	0.0	0.0
956.6	25°	449.6	243.9	129.1	86.1	57.4	31.1	9.6	0.0	0.0	0.0
1358.3	27.5°	597.9	289.4	129.1	74.1	45.4	16.7	0.0	0.0	0.0	0.0
1851.0	30°	748.5	339.6	129.1	64.6	35.9	2.4	0.0	0.0	0.0	0.0
2279.1	32.5°	892.0	382.6	131.5	55.0	23.9	0.0	0.0	0.0	0.0	0.0
2872.1	35°	1037.9	389.8	129.1	47.8	14.3	0.0	0.0	0.0	0.0	0.0
3599.1	37.5°	1224.4	375.5	122.0	43.0	7.2	0.0	0.0	0.0	0.0	0.0
4735.1	40°	1506.6	382.6	114.8	40.7	2.4	0.0	0.0	0.0	0.0	0.0
6760.7	42.5°	2028.0	413.7	105.2	40.7	0.0	0.0	0.0	0.0	0.0	0.0
10768.7	45°	3505.9	554.8	95.7	43.0	0.0	0.0	0.0	0.0	0.0	0.0
16166.3	47.5°	5799.3	997.2	93.3	43.0	0.0	0.0	0.0	0.0	0.0	0.0
19473.6	50°	7401.6	1255.5	98.0	45.4	0.0	0.0	0.0	0.0	0.0	0.0
19887.4	52.5°	7389.6	1399.0	102.8	47.8	9.6	0.0	0.0	0.0	0.0	0.0
18330.5	55°	6569.3	1425.3	110.0	52.6	31.1	0.0	0.0	0.0	0.0	0.0
15752.5	57.5°	5490.8	1301.0	126.7	64.6	57.4	0.0	0.0	0.0	0.0	0.0
15348.4	58°	5299.5	1243.6	131.5	67.0	62.2	0.0	0.0	0.0	0.0	0.0
13313.2	60°	4342.9	1014.0	167.4	83.7	83.7	0.0	0.0	0.0	0.0	0.0
10914.6	62.5°	2998.9	884.8	191.3	107.6	86.1	0.0	0.0	0.0	0.0	0.0
8047.3	65°	2121.2	798.7	208.1	114.8	69.4	0.0	0.0	0.0	0.0	0.0
5718.0	67.5°	1585.5	736.6	229.6	117.2	35.9	0.0	0.0	0.0	0.0	0.0
3587.2	70°	1214.9	691.1	282.2	124.4	9.6	0.0	0.0	0.0	0.0	0.0
2138.0	72.5°	990.1	638.5	342.0	129.1	0.0	0.0	0.0	0.0	0.0	0.0
1281.8	75°	820.3	576.3	330.0	141.1	0.0	0.0	0.0	0.0	0.0	0.0
684.0	77.5°	545.3	447.2	301.3	141.1	0.0	0.0	0.0	0.0	0.0	0.0
243.9	80°	191.3	177.0	234.4	124.4	0.0	0.0	0.0	0.0	0.0	0.0
50.2	82.5°	28.7	23.9	33.5	43.0	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

REPORT NUMBER: P1049598

CATALOG NUMBER: GALN-SA8B-730-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
138.7	0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
98.0	2.5°	98.0	98.0	95.7	98.0	98.0	102.8	114.8	131.5	150.7	157.8
83.7	5°	81.3	78.9	76.5	76.5	76.5	83.7	93.3	112.4	133.9	143.5
69.4	7.5°	67.0	64.6	62.2	59.8	59.8	64.6	76.5	98.0	119.6	129.1
57.4	10°	55.0	50.2	47.8	45.4	45.4	50.2	62.2	83.7	107.6	117.2
47.8	12.5°	45.4	38.3	33.5	31.1	28.7	35.9	47.8	67.0	93.3	105.2
35.9	15°	31.1	23.9	16.7	14.3	12.0	19.1	31.1	52.6	78.9	93.3
19.1	17.5°	16.7	7.2	2.4	0.0	0.0	4.8	14.3	38.3	64.6	76.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.1	47.8	59.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	28.7	40.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	21.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8
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	7.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	19.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049598

CATALOG NUMBER: GALN-SA8B-730-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
138.7	0°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
165.0	2.5°	169.8	167.4	162.6	157.8	157.8	157.8	165.0	172.2	179.4	179.4
148.3	5°	157.8	157.8	155.4	150.7	150.7	153.1	162.6	174.6	184.1	186.5
136.3	7.5°	145.9	150.7	145.9	143.5	145.9	148.3	157.8	172.2	186.5	191.3
126.7	10°	138.7	141.1	141.1	138.7	138.7	143.5	153.1	172.2	191.3	198.5
114.8	12.5°	129.1	133.9	131.5	131.5	131.5	136.3	148.3	169.8	196.1	205.7
102.8	15°	119.6	126.7	126.7	124.4	124.4	126.7	143.5	167.4	203.3	220.0
88.5	17.5°	110.0	117.2	119.6	114.8	114.8	119.6	136.3	167.4	208.1	236.8
71.7	20°	90.9	102.8	110.0	102.8	102.8	107.6	124.4	157.8	210.4	253.5
52.6	22.5°	71.7	83.7	93.3	90.9	90.9	93.3	114.8	150.7	212.8	282.2
31.1	25°	52.6	64.6	71.7	76.5	76.5	83.7	105.2	145.9	222.4	342.0
14.3	27.5°	31.1	45.4	55.0	59.8	62.2	71.7	98.0	141.1	239.1	428.1
0.0	30°	14.3	26.3	38.3	47.8	47.8	64.6	90.9	136.3	260.7	552.4
0.0	32.5°	0.0	12.0	19.1	33.5	35.9	52.6	83.7	131.5	291.8	672.0
0.0	35°	0.0	0.0	9.6	26.3	26.3	43.0	76.5	126.7	339.6	762.9
0.0	37.5°	0.0	0.0	0.0	19.1	21.5	38.3	74.1	124.4	349.2	770.0
0.0	40°	0.0	0.0	0.0	14.3	16.7	35.9	74.1	126.7	315.7	753.3
0.0	42.5°	0.0	0.0	0.0	9.6	12.0	35.9	74.1	131.5	284.6	772.4
0.0	45°	0.0	0.0	0.0	7.2	9.6	38.3	71.7	129.1	267.8	872.9
0.0	47.5°	0.0	0.0	0.0	9.6	14.3	38.3	69.4	126.7	270.2	1205.3
0.0	50°	0.0	0.0	0.0	12.0	16.7	38.3	71.7	122.0	296.5	1853.4
0.0	52.5°	0.0	0.0	0.0	9.6	14.3	43.0	78.9	119.6	322.8	2410.6
0.0	55°	0.0	0.0	0.0	2.4	7.2	55.0	86.1	119.6	363.5	2549.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	62.2	98.0	126.7	430.5	2494.3
0.0	58°	0.0	0.0	0.0	0.0	0.0	62.2	100.4	126.7	435.2	2446.5
0.0	60°	0.0	0.0	0.0	0.0	0.0	62.2	110.0	141.1	468.7	2178.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	52.6	131.5	177.0	487.9	1712.3
0.0	65°	0.0	0.0	0.0	0.0	0.0	43.0	155.4	193.7	502.2	1363.1
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	40.7	160.2	196.1	509.4	1085.7
0.0	70°	0.0	0.0	0.0	0.0	0.0	43.0	157.8	210.4	533.3	882.4
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	47.8	143.5	232.0	533.3	782.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	50.2	133.9	260.7	485.5	676.8
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	47.8	131.5	303.7	432.9	557.2
0.0	80°	4.8	7.2	7.2	4.8	4.8	40.7	129.1	308.5	368.3	382.6
2.4	82.5°	14.3	19.1	16.7	12.0	12.0	35.9	114.8	258.3	191.3	165.0
14.3	85°	26.3	31.1	31.1	26.3	26.3	33.5	71.7	93.3	64.6	52.6
26.3	87.5°	35.9	40.7	40.7	35.9	35.9	33.5	31.1	28.7	26.3	26.3
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

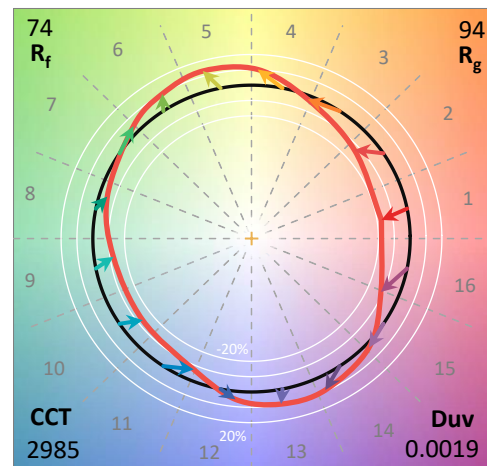
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

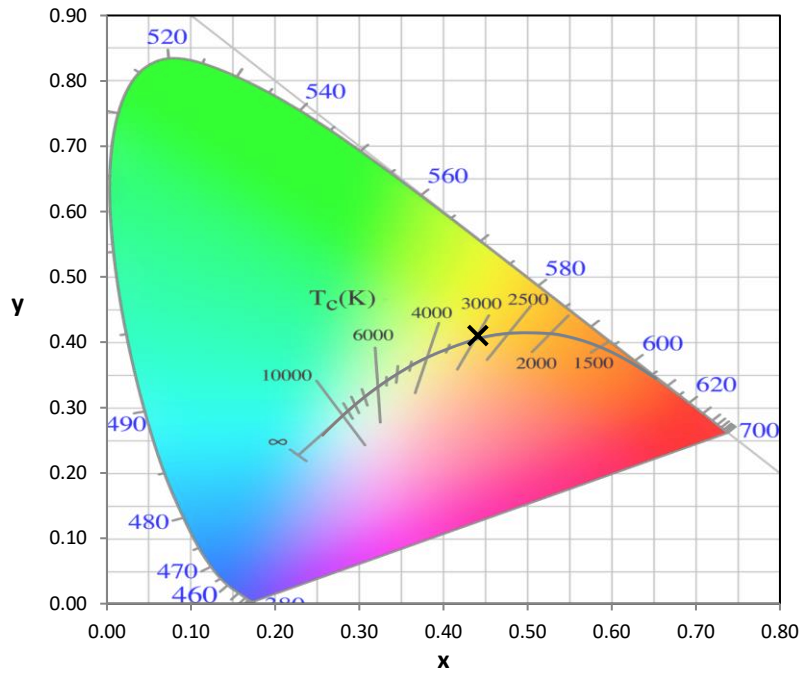
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

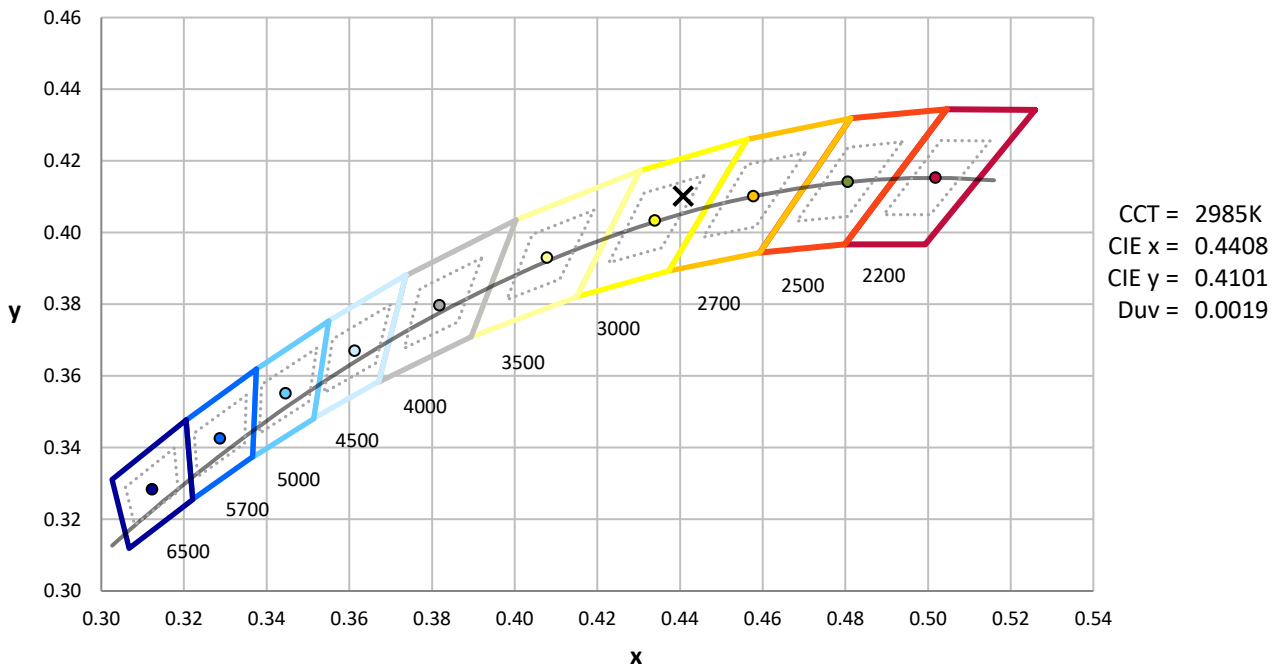
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



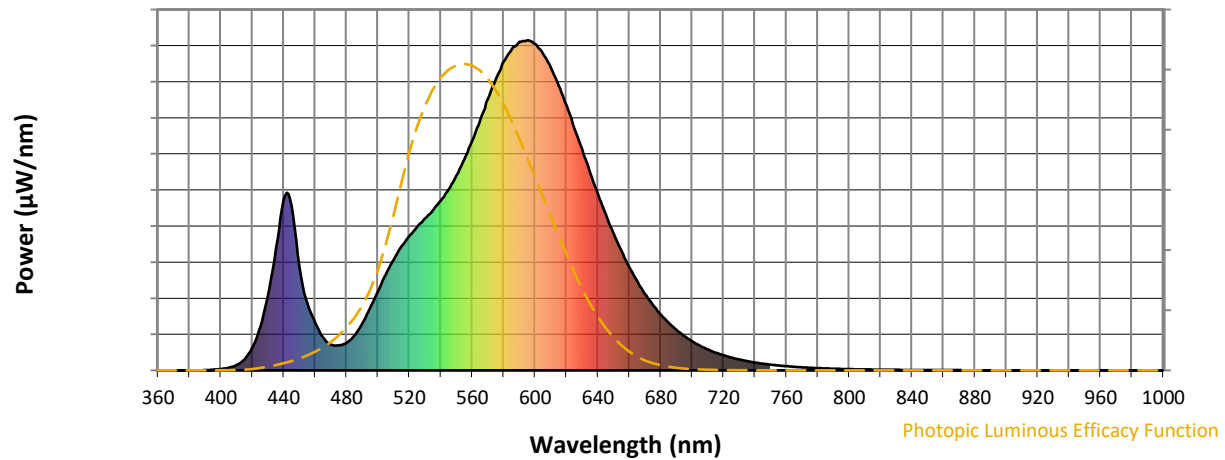
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

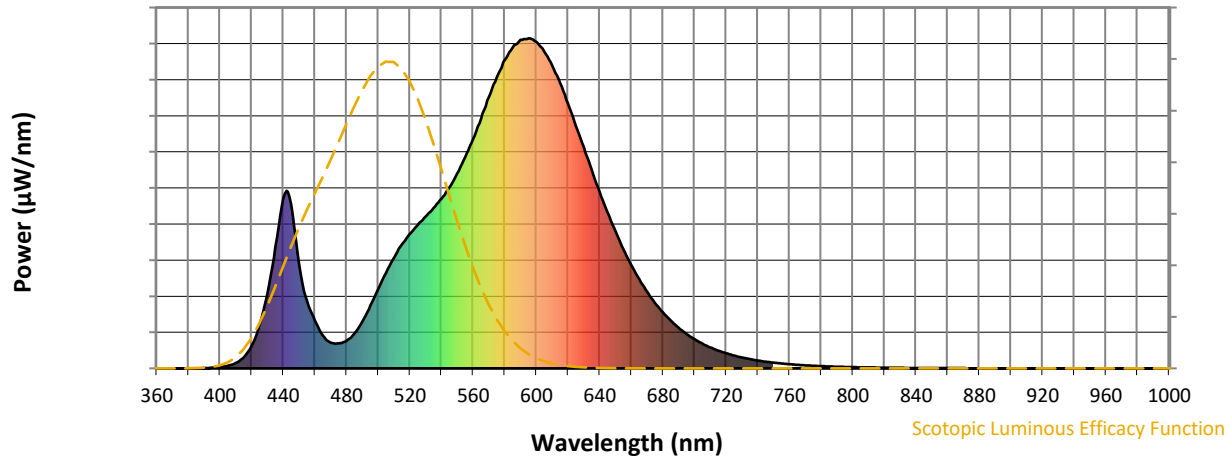


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



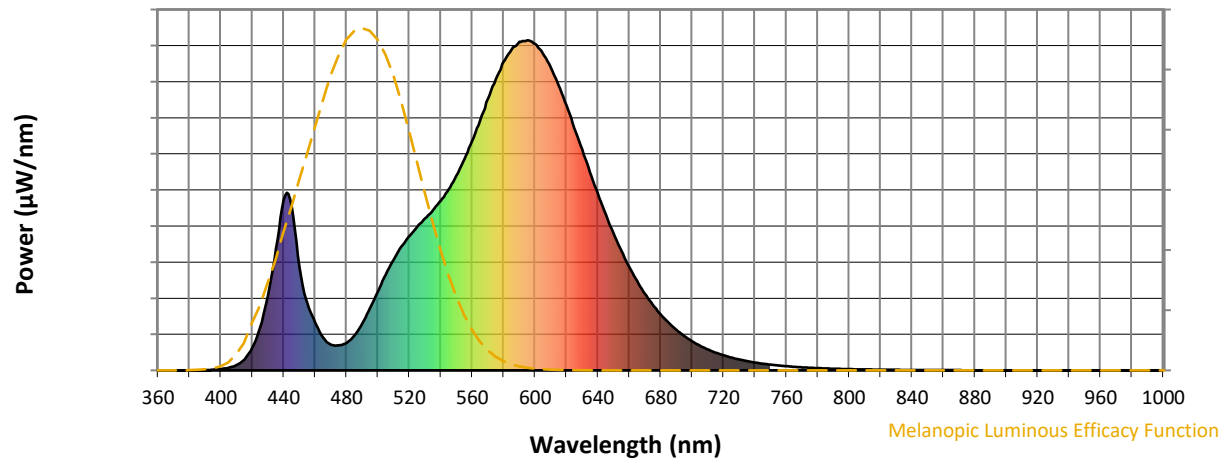
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

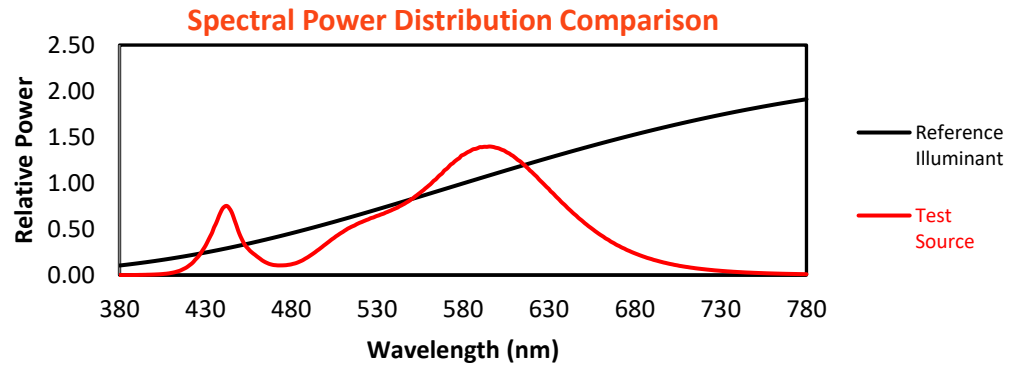
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

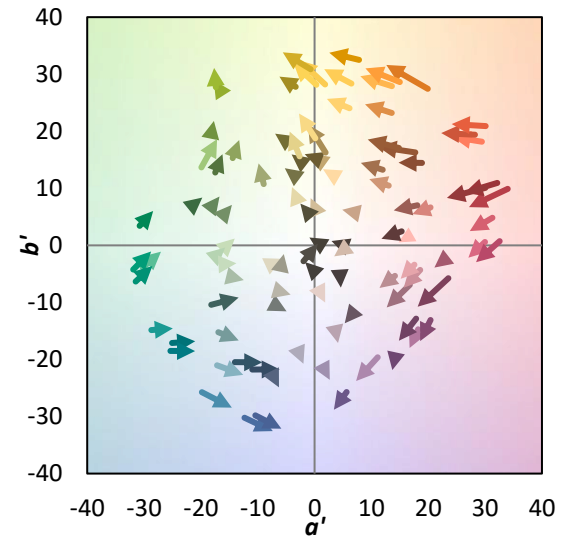
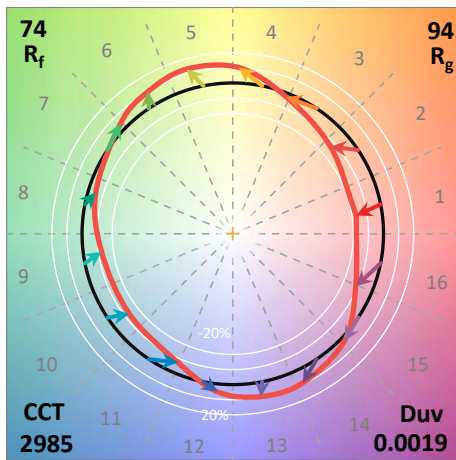
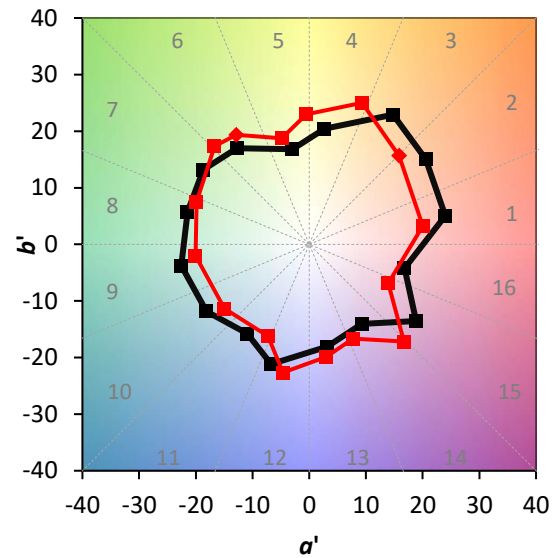
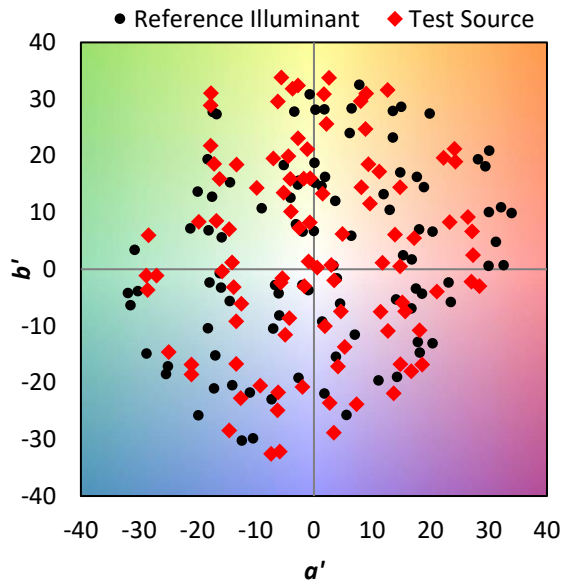
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE\ R_a = 70.8$
 $R_g = -43.2$

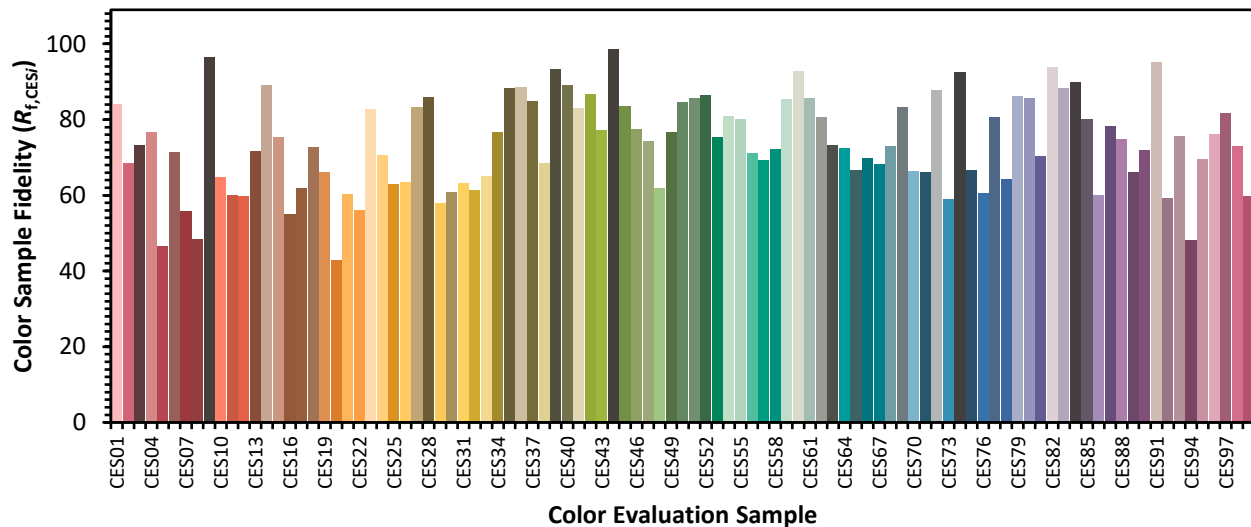


Color Vector Graphics

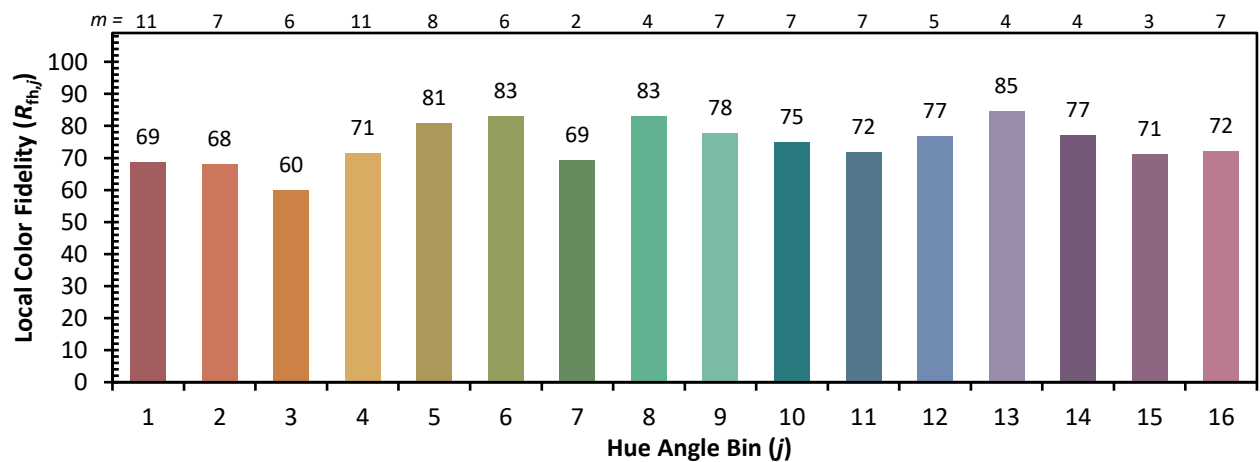
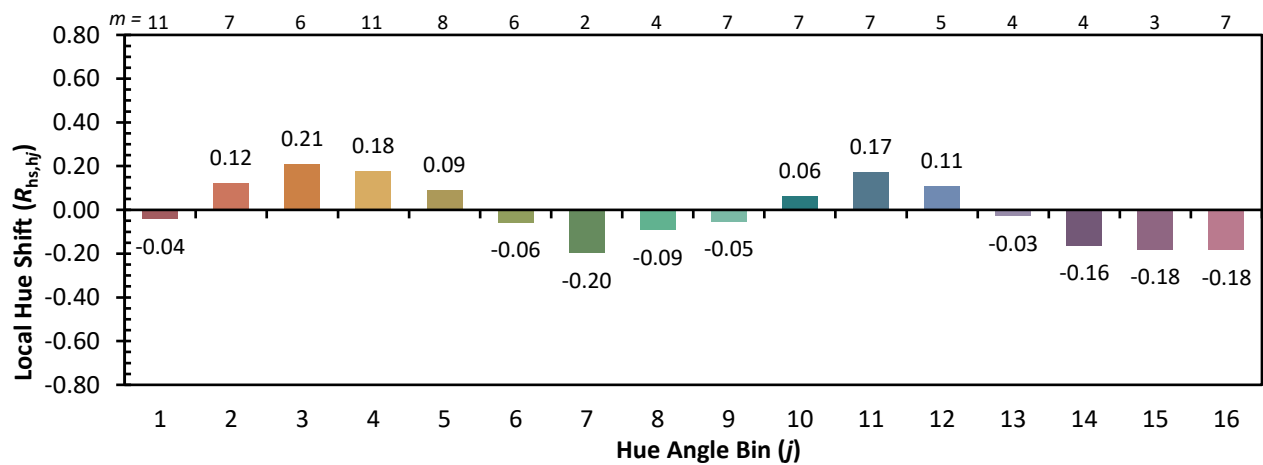
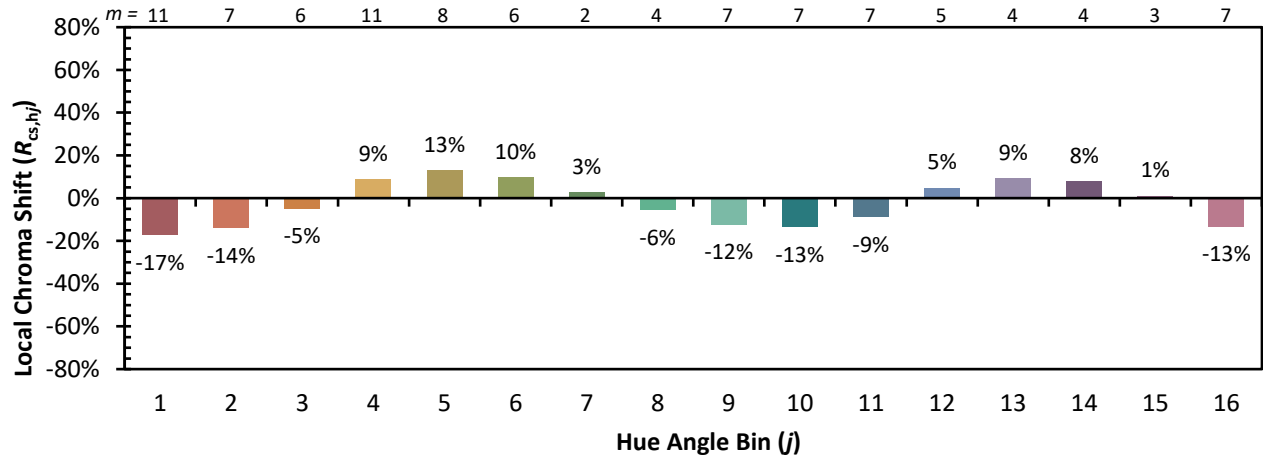


Individual Sample Fidelity Index ($R_{f,i}$)

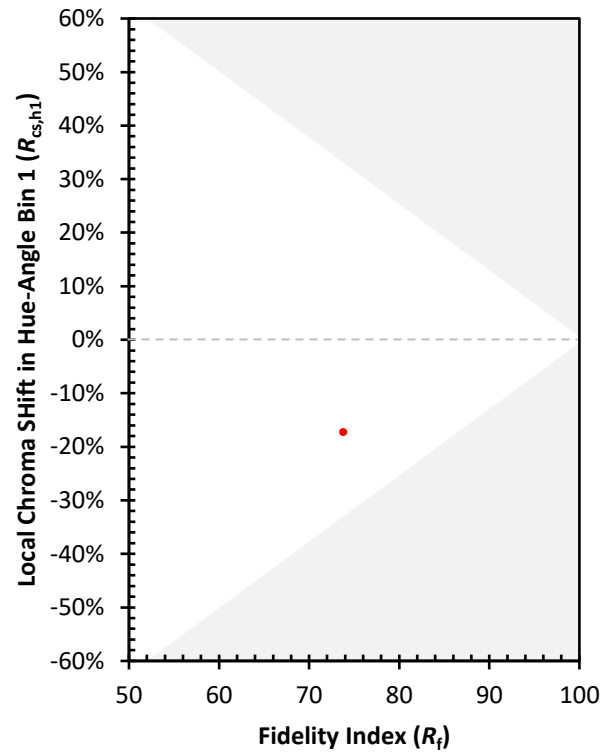
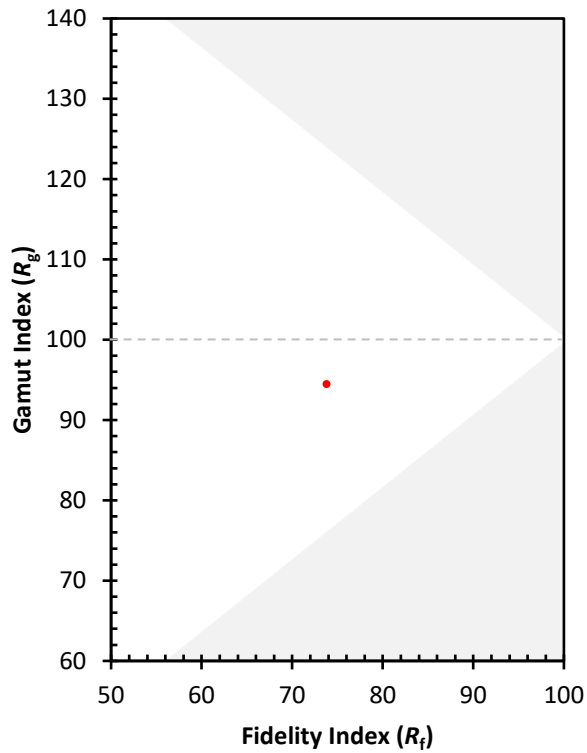
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)