

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: P1065551

Luminaire Tested: **GLAN-SA6C-927-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065551
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
90CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18912.7 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 282.5
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

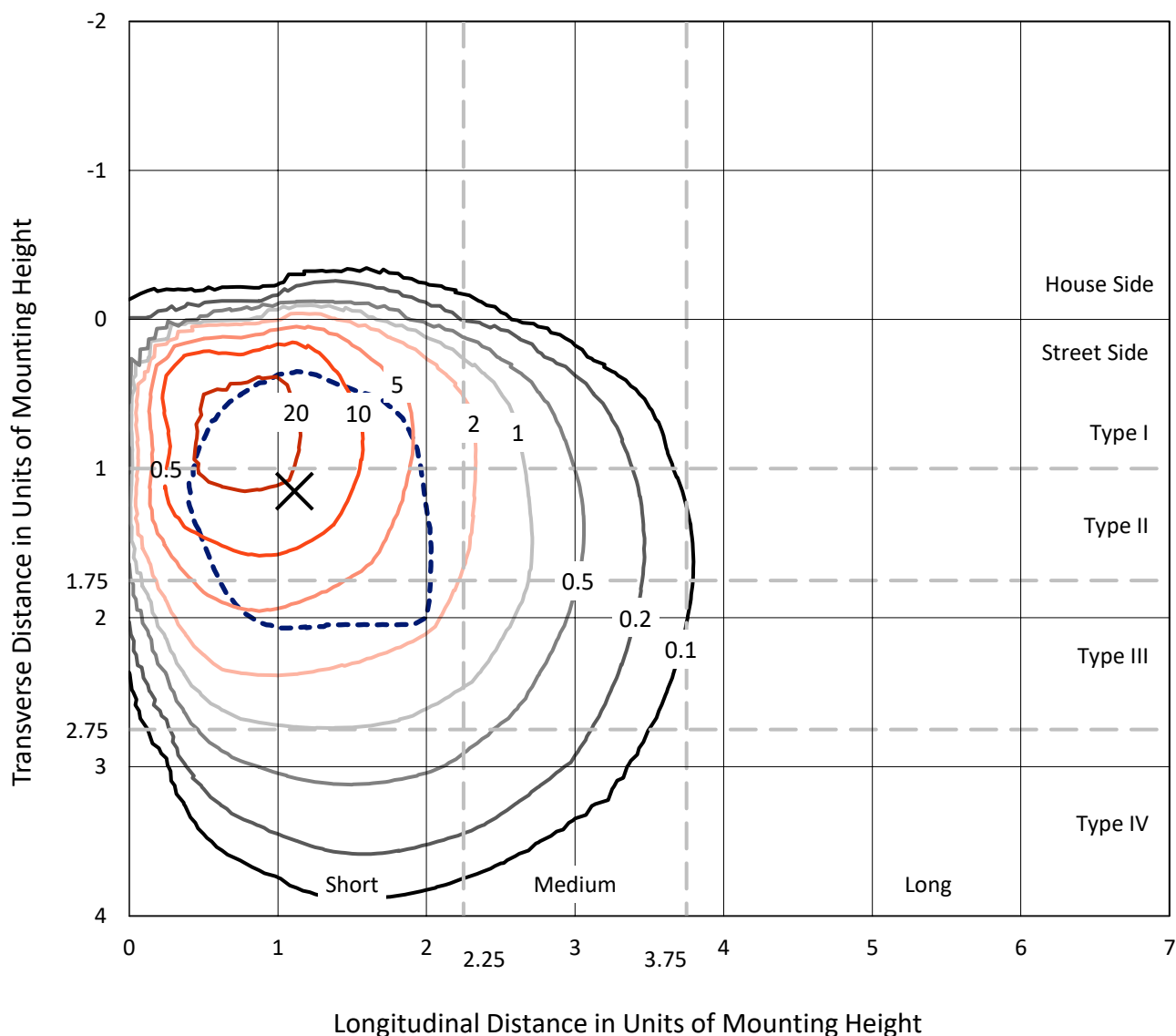
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

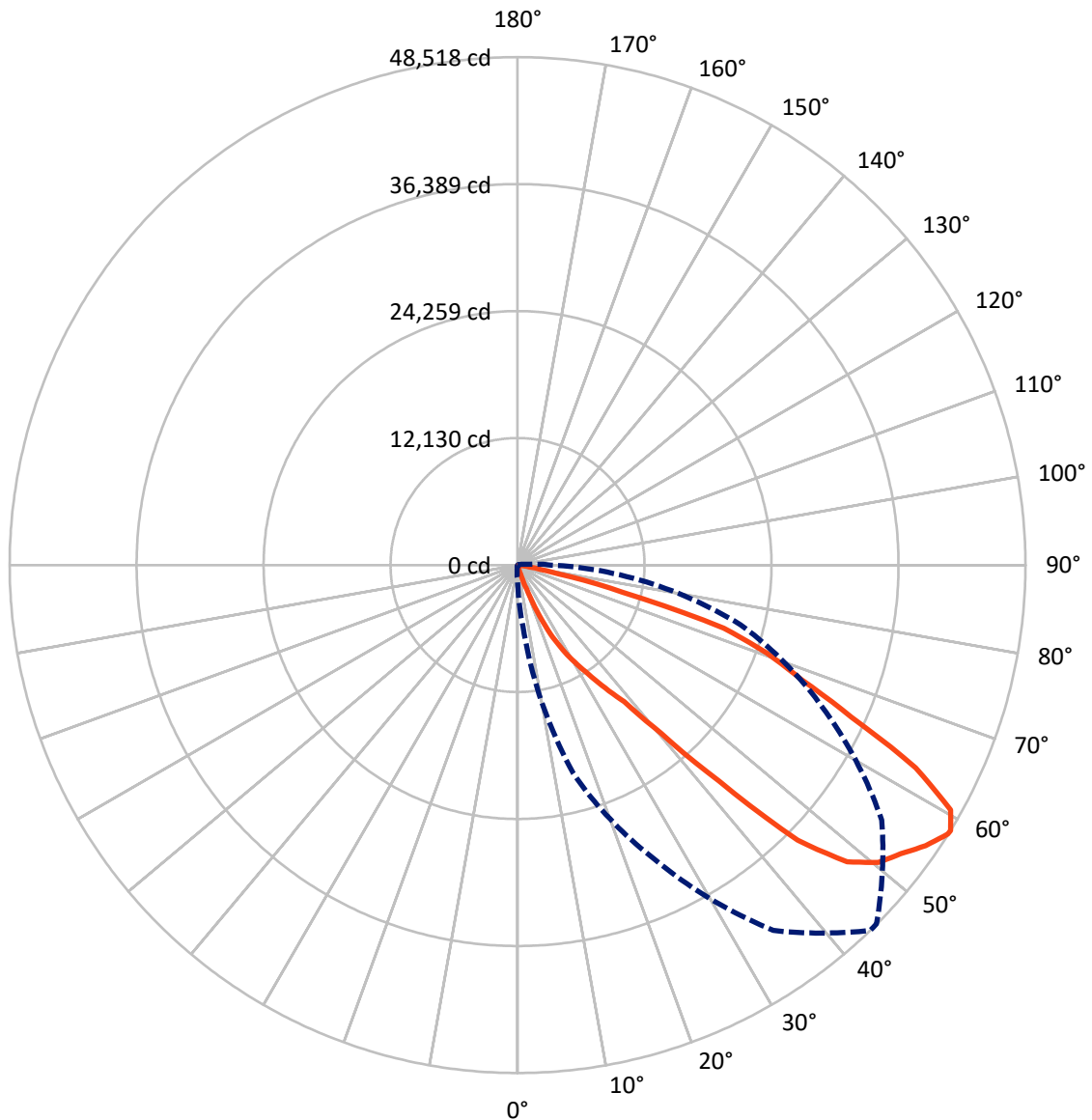


Based on 20 foot mounting height. Maximum calculated value = 32.9 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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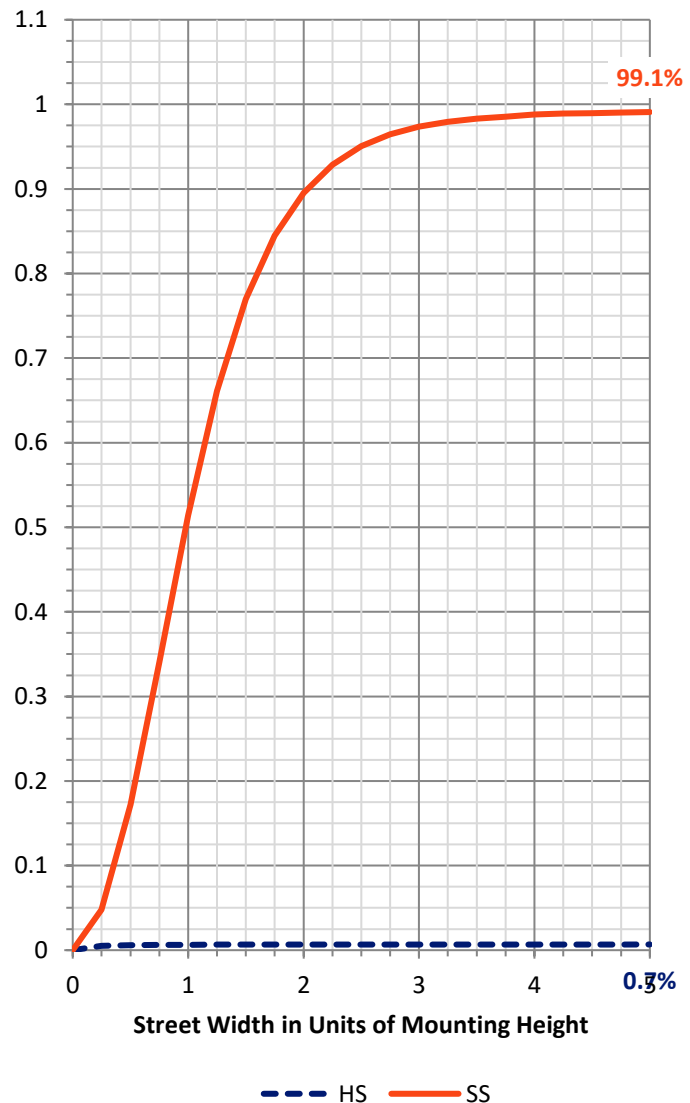
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	129.1	0.0	129.1
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	18783.5	0.0	18783.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	18912.7	0.0	18912.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.0
10°-20°	41.5	0.2
20°-30°	448.0	2.4
30°-40°	1325.0	7.0
40°-50°	3949.3	20.9
50°-60°	6266.5	33.1
60°-70°	5227.0	27.6
70°-80°	1612.1	8.5
80°-90°	35.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18912.7	100.0
0°-180°	18912.7	100.0



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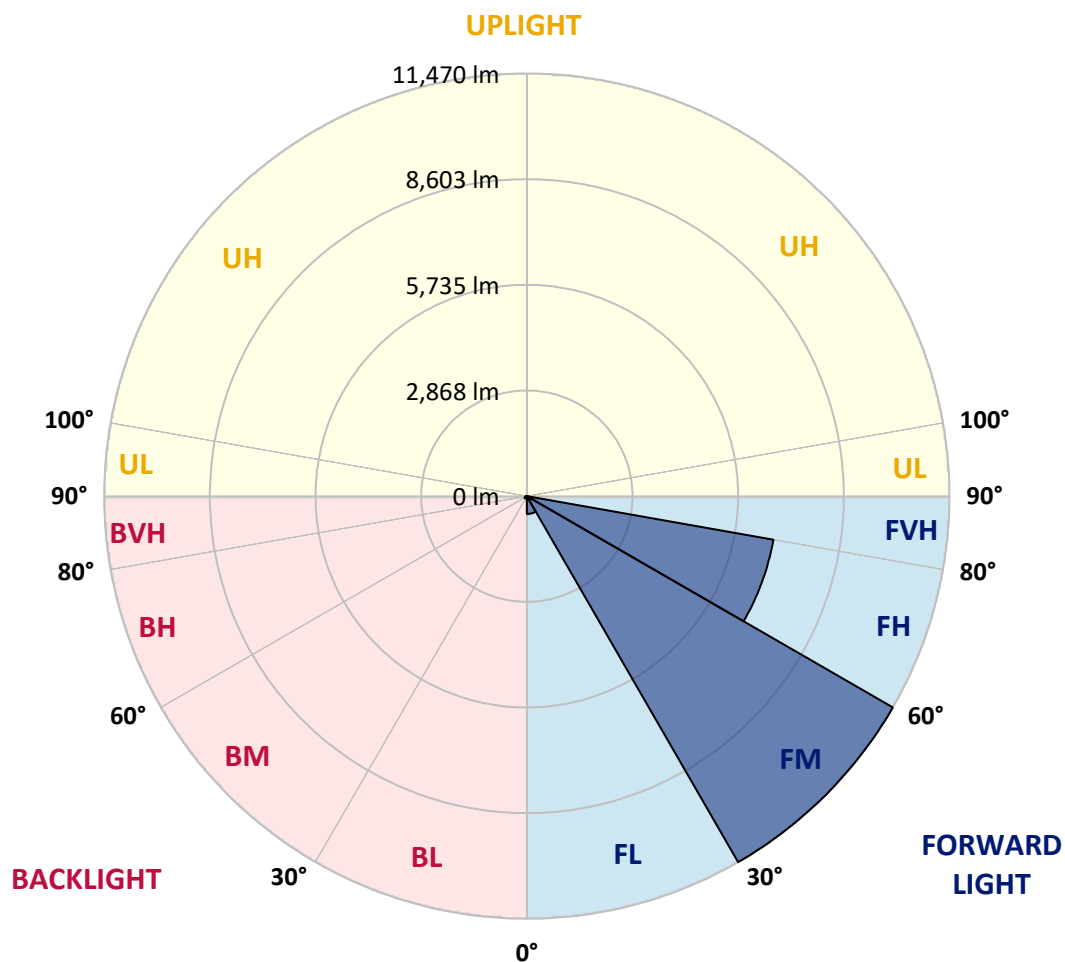
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.3	2.6			
FM	(30°-60°)	11470.1	60.6			
FH	(60°-80°)	6795.0	35.9			G3/7500
FVH	(80°-90°)	34.1	0.2			G1/100
BL	(0°-30°)	12.6	0.1	B0/110		
BM	(30°-60°)	70.7	0.4	B0/220		
BH	(60°-80°)	44.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2.5°	107.2	107.2	102.9	97.2	91.4	85.7	84.3	81.4	80.0	78.6
5°	111.4	111.4	110.0	105.7	100.0	95.7	95.7	91.4	88.6	85.7
7.5°	114.3	115.7	118.6	117.2	114.3	110.0	110.0	107.2	102.9	95.7
10°	118.6	122.9	128.6	131.4	132.9	132.9	131.4	130.0	122.9	112.9
12.5°	122.9	131.4	145.7	160.0	168.6	180.0	178.6	175.7	157.2	135.7
15°	131.4	144.3	174.3	215.7	280.0	320.0	335.7	321.5	260.0	182.9
17.5°	141.4	162.9	252.9	451.5	740.1	877.2	960.1	892.9	591.5	347.2
20°	151.4	198.6	470.0	1170.1	1920.2	2368.8	2493.1	2298.8	1475.8	661.5
22.5°	168.6	278.6	952.9	2418.8	4137.5	4810.4	4937.6	4316.1	2787.4	1305.8
25°	204.3	404.3	1643.0	3941.8	6174.8	7310.6	7257.8	6443.4	4521.8	2085.9
27.5°	255.7	588.6	2484.5	5600.5	8126.4	9127.9	9247.9	8240.7	6027.6	3067.4
30°	330.0	815.8	3387.4	6929.2	9690.8	10773.8	10793.8	9752.2	7374.9	3928.9
32.5°	401.5	1030.1	4177.5	8213.5	11232.4	12419.6	12508.2	11226.7	8380.7	4826.1
35°	455.8	1170.1	4977.6	9342.2	12786.8	14422.6	14416.9	12895.4	9572.2	5627.6
37.5°	460.0	1310.1	5701.9	10496.6	14755.5	16587.1	16768.6	15091.3	11012.4	6619.1
40°	450.0	1467.3	6619.1	12296.7	18303.0	21113.2	21273.2	19158.8	13901.2	8316.4
42.5°	461.5	1740.1	8107.8	15621.3	24193.5	28229.5	28538.1	26315.1	19211.6	11779.6
45°	521.5	2253.0	11226.7	21183.2	32589.9	37510.3	37407.4	34205.7	25390.7	17051.4
47.5°	720.1	3508.9	15849.9	26596.5	37956.0	42337.8	42426.4	38513.2	28996.7	21104.6
50°	1107.2	5369.0	19734.5	29458.2	40263.4	44659.5	44576.6	40054.8	30366.8	23100.5
52.5°	1440.1	6714.9	21683.3	30462.6	40559.1	45806.7	45801.0	40460.5	30579.7	23272.0
55°	1523.0	6816.3	21699.0	30516.9	41222.0	47308.3	47496.9	41459.2	30855.5	22523.3
57.5°	1490.1	6034.8	20793.2	30831.2	42402.1	48469.8	48479.8	42426.4	31555.5	22064.7
58°	1461.6	5911.9	20610.3	31009.8	42605.0	48518.4	48494.1	42470.7	32125.6	22047.6
60°	1301.5	5133.3	19897.4	31465.5	42303.6	47521.1	47294.0	41503.5	32041.3	21871.8
62.5°	1022.9	4004.6	19195.9	30938.3	39071.9	42693.6	42787.9	36744.5	29209.6	20847.5
65°	814.4	2984.5	17732.9	27138.0	32174.1	35060.1	35411.5	29879.7	24380.6	17652.9
67.5°	648.6	2157.3	14875.5	21606.1	25459.3	29261.0	29516.8	25086.4	18888.7	13525.4
70°	527.2	1458.7	10268.0	15801.3	20998.9	25273.6	25289.3	20840.3	14098.3	8862.2
72.5°	467.2	1010.1	5960.5	11523.8	17027.1	20594.6	20178.8	16911.4	10835.2	5249.0
75°	404.3	670.1	2923.1	7044.9	10323.7	10393.7	10552.3	7844.9	5416.2	2495.9
77.5°	332.9	475.8	1151.5	1924.4	3096.0	3963.2	4110.3	3114.5	1801.6	614.3
80°	228.6	225.7	310.0	590.0	885.8	1110.1	1035.8	801.5	471.5	235.7
82.5°	98.6	107.2	140.0	168.6	137.2	132.9	127.2	81.4	62.9	48.6
85°	31.4	28.6	30.0	30.0	24.3	18.6	18.6	8.6	0.0	0.0
87.5°	15.7	12.9	12.9	11.4	7.1	2.9	1.4	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

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
82.9	0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
77.1	2.5°	75.7	75.7	72.9	70.0	68.6	65.7	64.3	62.9	61.4	60.0
82.9	5°	80.0	78.6	74.3	70.0	65.7	61.4	58.6	55.7	52.9	51.4
91.4	7.5°	87.2	84.3	75.7	68.6	62.9	57.1	54.3	50.0	47.1	42.9
101.4	10°	95.7	90.0	78.6	70.0	61.4	54.3	50.0	45.7	41.4	35.7
115.7	12.5°	107.2	97.2	82.9	68.6	58.6	50.0	45.7	40.0	35.7	31.4
134.3	15°	117.2	104.3	84.3	68.6	55.7	45.7	40.0	34.3	30.0	24.3
168.6	17.5°	131.4	110.0	82.9	64.3	51.4	40.0	34.3	30.0	22.9	14.3
250.0	20°	155.7	114.3	80.0	60.0	44.3	32.9	25.7	20.0	10.0	2.9
375.7	22.5°	194.3	125.7	77.1	54.3	38.6	25.7	17.1	7.1	0.0	0.0
571.5	25°	268.6	145.7	77.1	51.4	34.3	18.6	5.7	0.0	0.0	0.0
811.5	27.5°	357.2	172.9	77.1	44.3	27.1	10.0	0.0	0.0	0.0	0.0
1105.8	30°	447.2	202.9	77.1	38.6	21.4	1.4	0.0	0.0	0.0	0.0
1361.5	32.5°	532.9	228.6	78.6	32.9	14.3	0.0	0.0	0.0	0.0	0.0
1715.9	35°	620.1	232.9	77.1	28.6	8.6	0.0	0.0	0.0	0.0	0.0
2150.2	37.5°	731.5	224.3	72.9	25.7	4.3	0.0	0.0	0.0	0.0	0.0
2828.8	40°	900.1	228.6	68.6	24.3	1.4	0.0	0.0	0.0	0.0	0.0
4038.9	42.5°	1211.5	247.2	62.9	24.3	0.0	0.0	0.0	0.0	0.0	0.0
6433.4	45°	2094.5	331.5	57.1	25.7	0.0	0.0	0.0	0.0	0.0	0.0
9658.0	47.5°	3464.6	595.8	55.7	25.7	0.0	0.0	0.0	0.0	0.0	0.0
11633.8	50°	4421.8	750.1	58.6	27.1	0.0	0.0	0.0	0.0	0.0	0.0
11881.0	52.5°	4414.7	835.8	61.4	28.6	5.7	0.0	0.0	0.0	0.0	0.0
10950.9	55°	3924.6	851.5	65.7	31.4	18.6	0.0	0.0	0.0	0.0	0.0
9410.8	57.5°	3280.3	777.2	75.7	38.6	34.3	0.0	0.0	0.0	0.0	0.0
9169.3	58°	3166.0	742.9	78.6	40.0	37.1	0.0	0.0	0.0	0.0	0.0
7953.5	60°	2594.5	605.8	100.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0
6520.5	62.5°	1791.6	528.6	114.3	64.3	51.4	0.0	0.0	0.0	0.0	0.0
4807.5	65°	1267.2	477.2	124.3	68.6	41.4	0.0	0.0	0.0	0.0	0.0
3416.0	67.5°	947.2	440.0	137.2	70.0	21.4	0.0	0.0	0.0	0.0	0.0
2143.0	70°	725.8	412.9	168.6	74.3	5.7	0.0	0.0	0.0	0.0	0.0
1277.3	72.5°	591.5	381.5	204.3	77.1	0.0	0.0	0.0	0.0	0.0	0.0
765.8	75°	490.0	344.3	197.2	84.3	0.0	0.0	0.0	0.0	0.0	0.0
408.6	77.5°	325.7	267.2	180.0	84.3	0.0	0.0	0.0	0.0	0.0	0.0
145.7	80°	114.3	105.7	140.0	74.3	0.0	0.0	0.0	0.0	0.0	0.0
30.0	82.5°	17.1	14.3	20.0	25.7	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°
82.9	0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
58.6	2.5°	58.6	58.6	57.1	58.6	58.6	61.4	68.6	78.6	90.0	94.3
50.0	5°	48.6	47.1	45.7	45.7	45.7	50.0	55.7	67.1	80.0	85.7
41.4	7.5°	40.0	38.6	37.1	35.7	35.7	38.6	45.7	58.6	71.4	77.1
34.3	10°	32.9	30.0	28.6	27.1	27.1	30.0	37.1	50.0	64.3	70.0
28.6	12.5°	27.1	22.9	20.0	18.6	17.1	21.4	28.6	40.0	55.7	62.9
21.4	15°	18.6	14.3	10.0	8.6	7.1	11.4	18.6	31.4	47.1	55.7
11.4	17.5°	10.0	4.3	1.4	0.0	0.0	2.9	8.6	22.9	38.6	45.7
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	28.6	35.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	17.1	24.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	12.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	4.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	11.4
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°
82.9	0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
98.6	2.5°	101.4	100.0	97.2	94.3	94.3	94.3	98.6	102.9	107.2	107.2
88.6	5°	94.3	94.3	92.9	90.0	90.0	91.4	97.2	104.3	110.0	111.4
81.4	7.5°	87.2	90.0	87.2	85.7	87.2	88.6	94.3	102.9	111.4	114.3
75.7	10°	82.9	84.3	84.3	82.9	82.9	85.7	91.4	102.9	114.3	118.6
68.6	12.5°	77.1	80.0	78.6	78.6	78.6	81.4	88.6	101.4	117.2	122.9
61.4	15°	71.4	75.7	75.7	74.3	74.3	75.7	85.7	100.0	121.4	131.4
52.9	17.5°	65.7	70.0	71.4	68.6	68.6	71.4	81.4	100.0	124.3	141.4
42.9	20°	54.3	61.4	65.7	61.4	61.4	64.3	74.3	94.3	125.7	151.4
31.4	22.5°	42.9	50.0	55.7	54.3	54.3	55.7	68.6	90.0	127.2	168.6
18.6	25°	31.4	38.6	42.9	45.7	45.7	50.0	62.9	87.2	132.9	204.3
8.6	27.5°	18.6	27.1	32.9	35.7	37.1	42.9	58.6	84.3	142.9	255.7
0.0	30°	8.6	15.7	22.9	28.6	28.6	38.6	54.3	81.4	155.7	330.0
0.0	32.5°	0.0	7.1	11.4	20.0	21.4	31.4	50.0	78.6	174.3	401.5
0.0	35°	0.0	0.0	5.7	15.7	15.7	25.7	45.7	75.7	202.9	455.8
0.0	37.5°	0.0	0.0	0.0	11.4	12.9	22.9	44.3	74.3	208.6	460.0
0.0	40°	0.0	0.0	0.0	8.6	10.0	21.4	44.3	75.7	188.6	450.0
0.0	42.5°	0.0	0.0	0.0	5.7	7.1	21.4	44.3	78.6	170.0	461.5
0.0	45°	0.0	0.0	0.0	4.3	5.7	22.9	42.9	77.1	160.0	521.5
0.0	47.5°	0.0	0.0	0.0	5.7	8.6	22.9	41.4	75.7	161.4	720.1
0.0	50°	0.0	0.0	0.0	7.1	10.0	22.9	42.9	72.9	177.2	1107.2
0.0	52.5°	0.0	0.0	0.0	5.7	8.6	25.7	47.1	71.4	192.9	1440.1
0.0	55°	0.0	0.0	0.0	1.4	4.3	32.9	51.4	71.4	217.2	1523.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	37.1	58.6	75.7	257.2	1490.1
0.0	58°	0.0	0.0	0.0	0.0	0.0	37.1	60.0	75.7	260.0	1461.6
0.0	60°	0.0	0.0	0.0	0.0	0.0	37.1	65.7	84.3	280.0	1301.5
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	31.4	78.6	105.7	291.5	1022.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	25.7	92.9	115.7	300.0	814.4
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	24.3	95.7	117.2	304.3	648.6
0.0	70°	0.0	0.0	0.0	0.0	0.0	25.7	94.3	125.7	318.6	527.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	28.6	85.7	138.6	318.6	467.2
0.0	75°	0.0	0.0	0.0	0.0	0.0	30.0	80.0	155.7	290.0	404.3
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	28.6	78.6	181.4	258.6	332.9
0.0	80°	2.9	4.3	4.3	2.9	2.9	24.3	77.1	184.3	220.0	228.6
1.4	82.5°	8.6	11.4	10.0	7.1	7.1	21.4	68.6	154.3	114.3	98.6
8.6	85°	15.7	18.6	18.6	15.7	15.7	20.0	42.9	55.7	38.6	31.4
15.7	87.5°	21.4	24.3	24.3	21.4	21.4	20.0	18.6	17.1	15.7	15.7
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

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: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

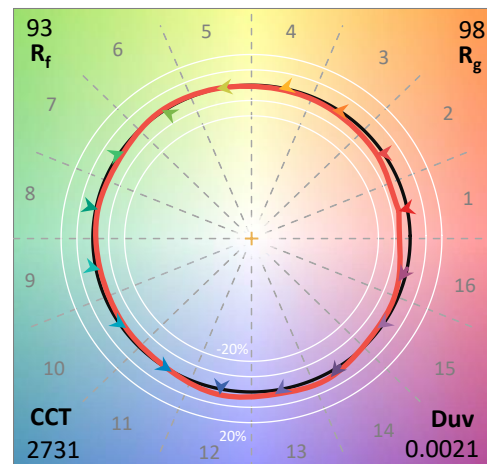
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-13
 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-927-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2731
 CIE u' : 0.2605
 CIE v' : 0.5298
 Duv: 0.0021
 CIE x: 0.4610
 CIE y: 0.4166
 CIE z: 0.1224
 Peak Wavelength (nm): 622
 Dominant Wavelength (nm): 583
 Purity: 63.43685
 R_f: 92.6
 R_g: 98

CRI (Ra): 91.8
 R1: 91.4
 R2: 95.1
 R3: 97.6
 R4: 92.3
 R5: 91.1
 R6: 94.7
 R7: 92.3
 R8: 80.0
 R9: 54.7
 R10: 87.7
 R11: 92.9
 R12: 84.0
 R13: 92.2
 R14: 97.8
 R15: 86.8



Test Conditions

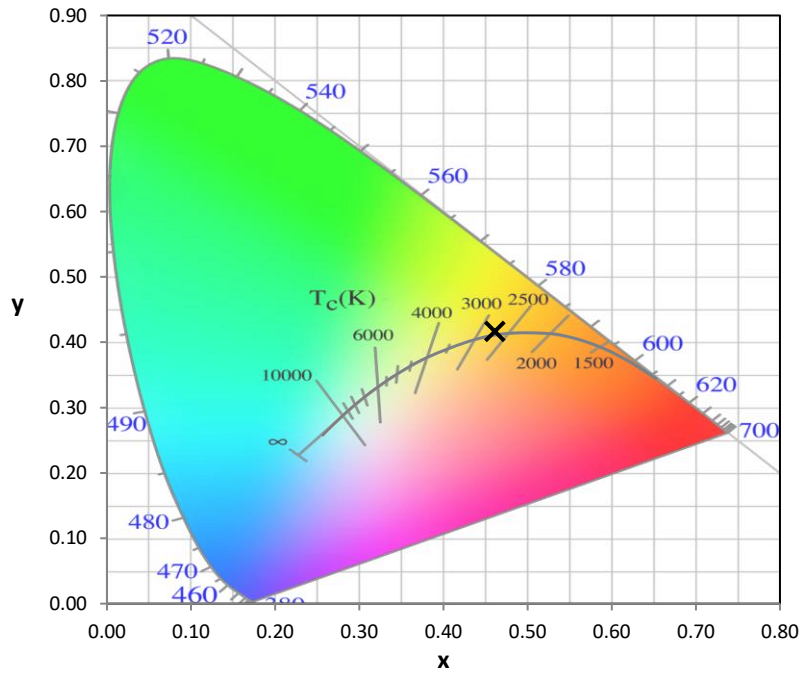
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

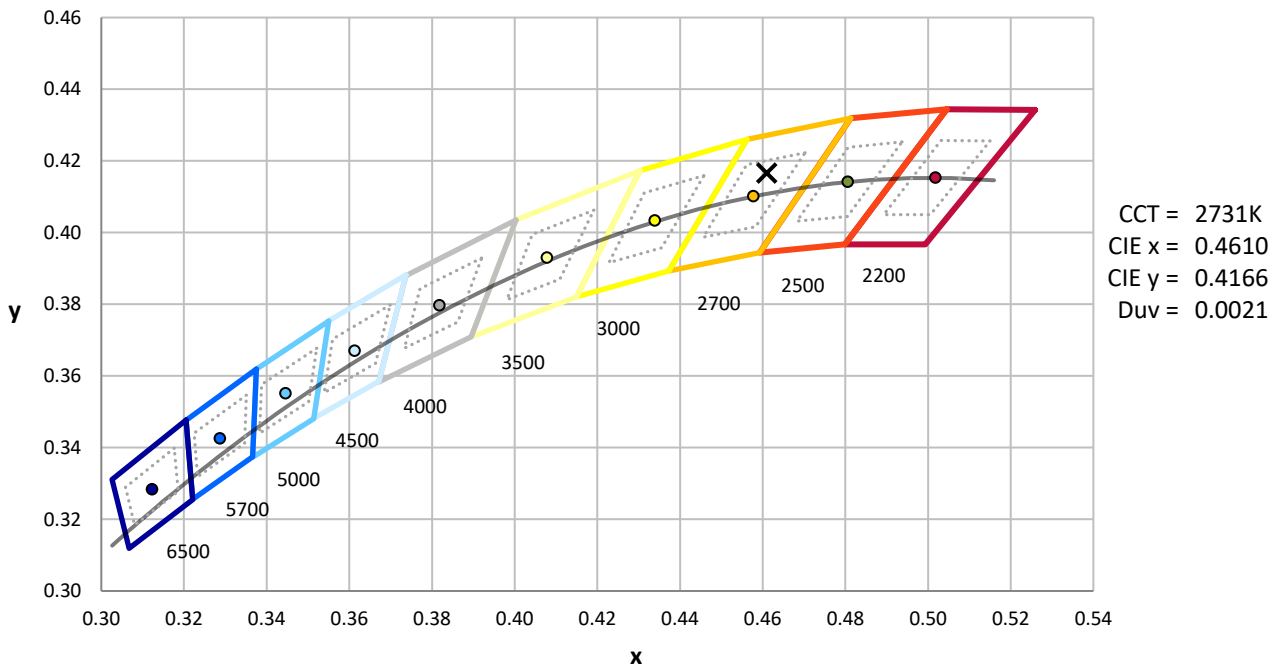
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-13

CIE 1931 Chromaticity Diagram



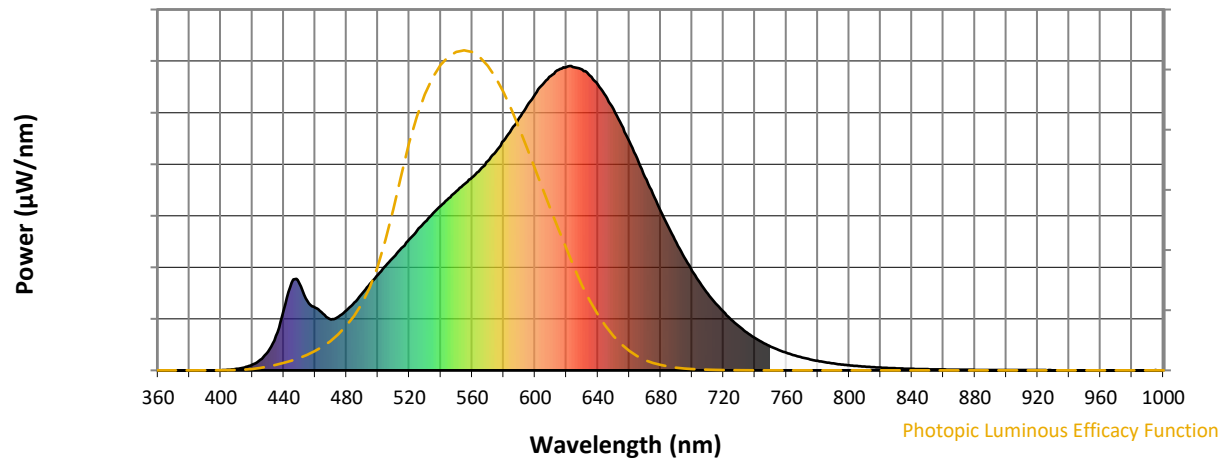
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

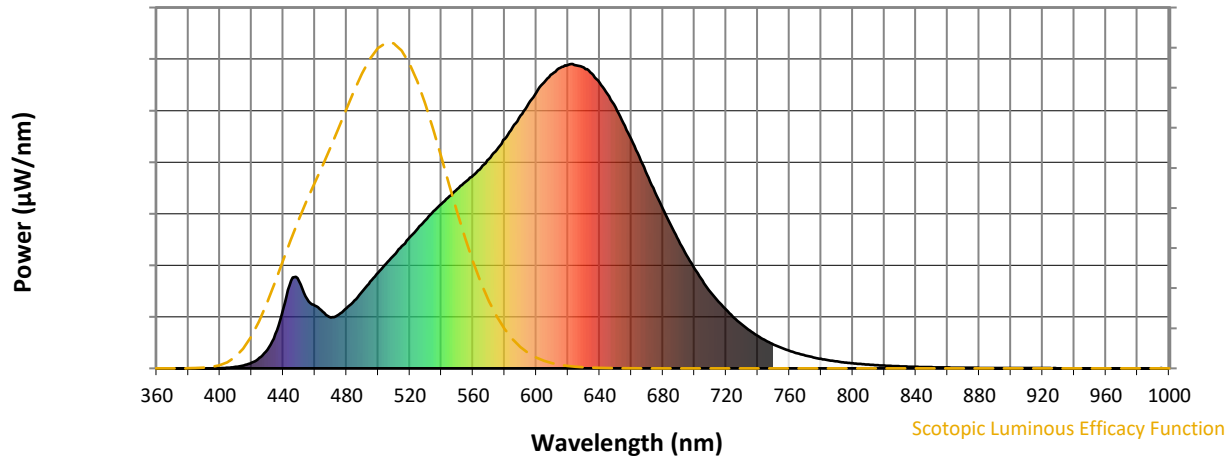


Photopic Lumens: NR

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

Scotopic Flux vs. Wavelength



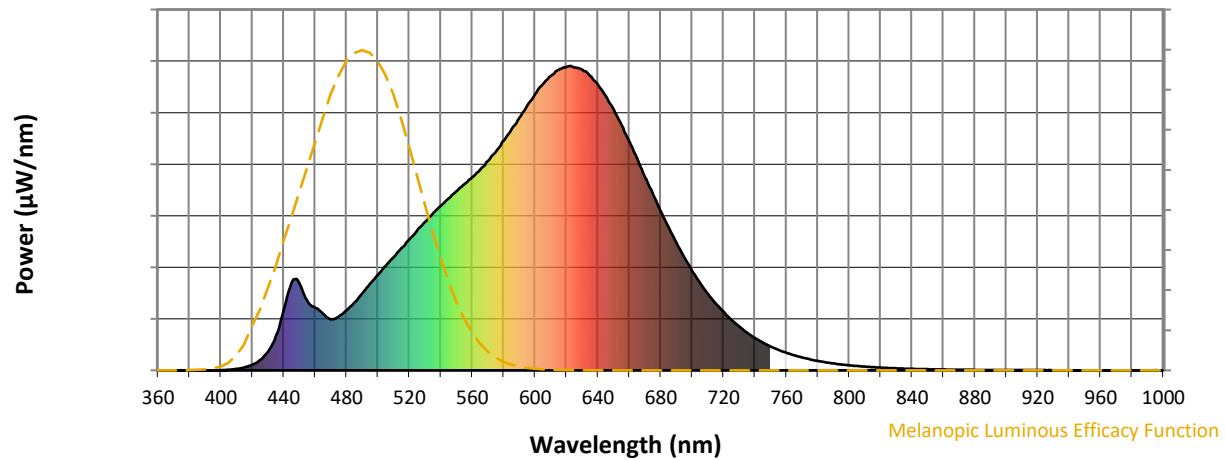
Scotopic Lumens: NR

S/P: 1.27

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.38

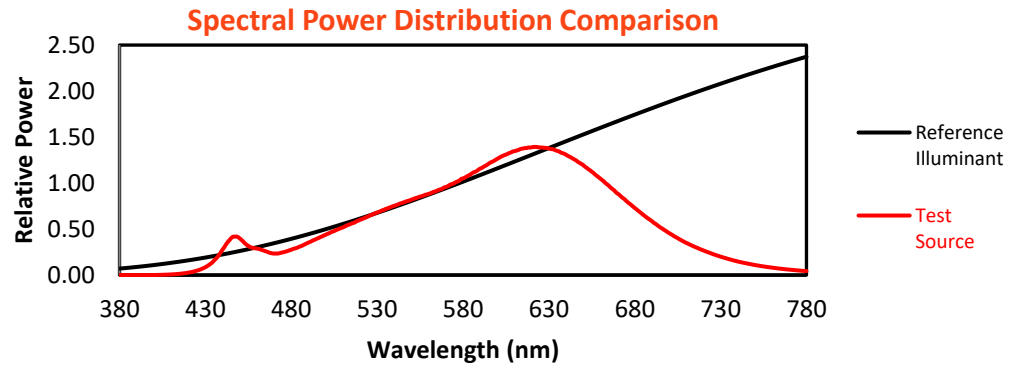
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

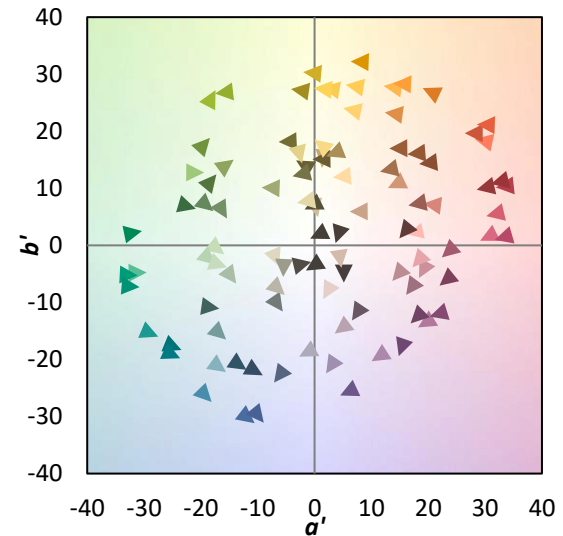
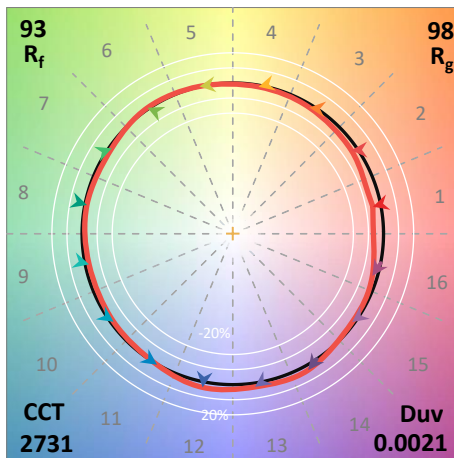
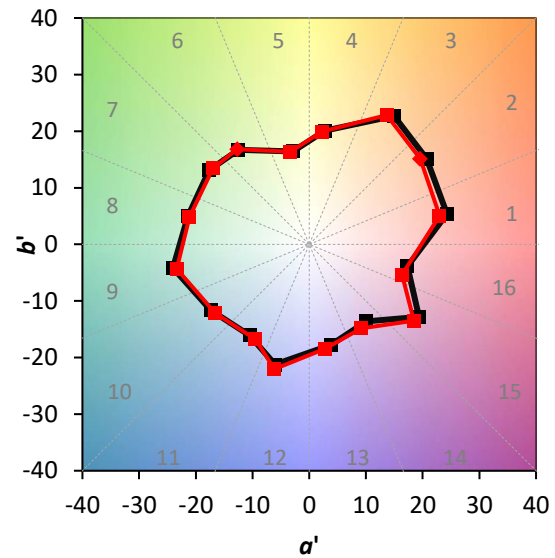
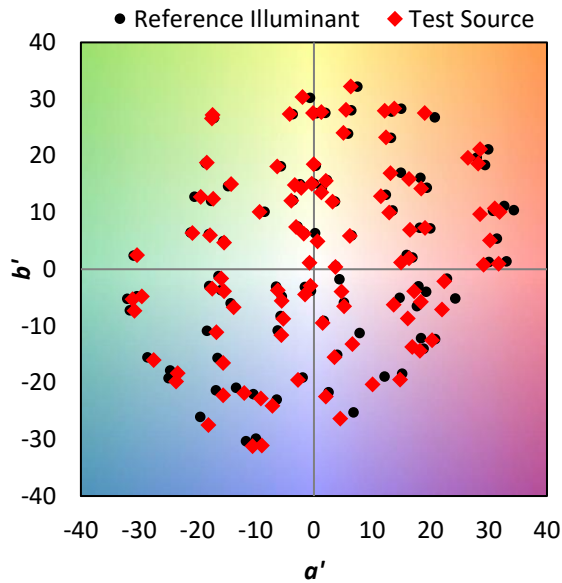
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98$
 $CIE R_a = 91.8$
 $R_9 = 54.7$

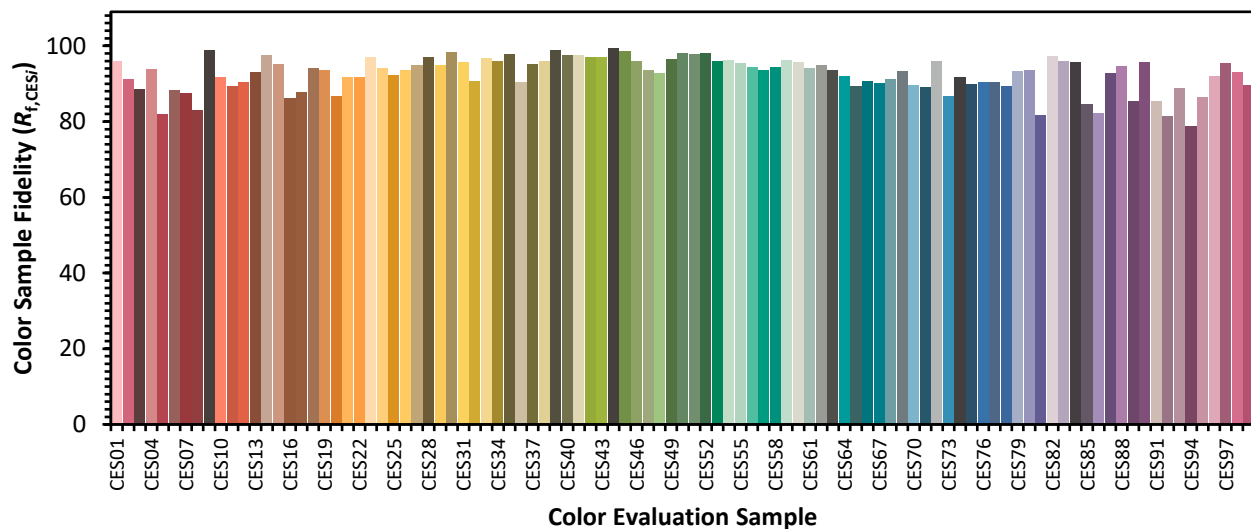


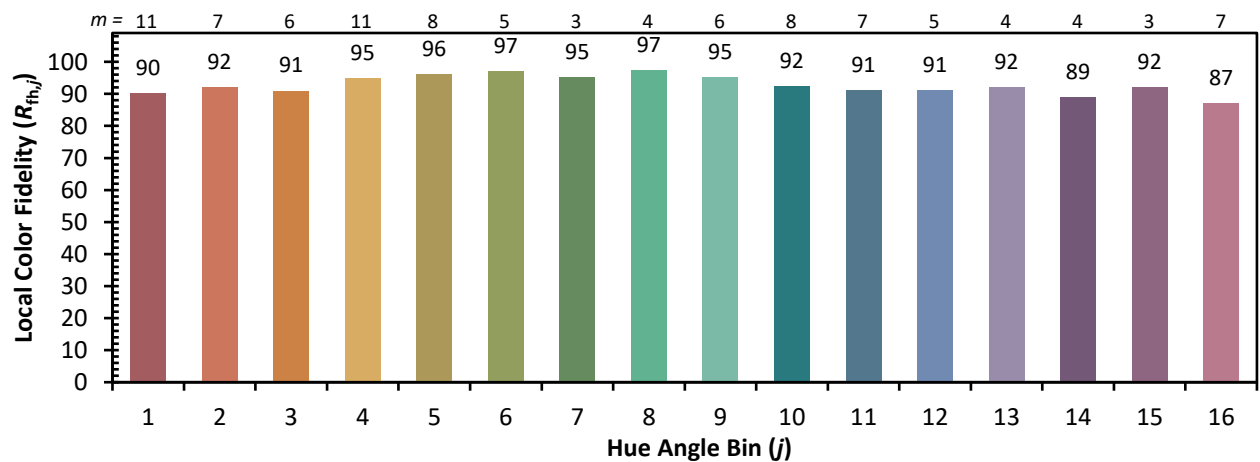
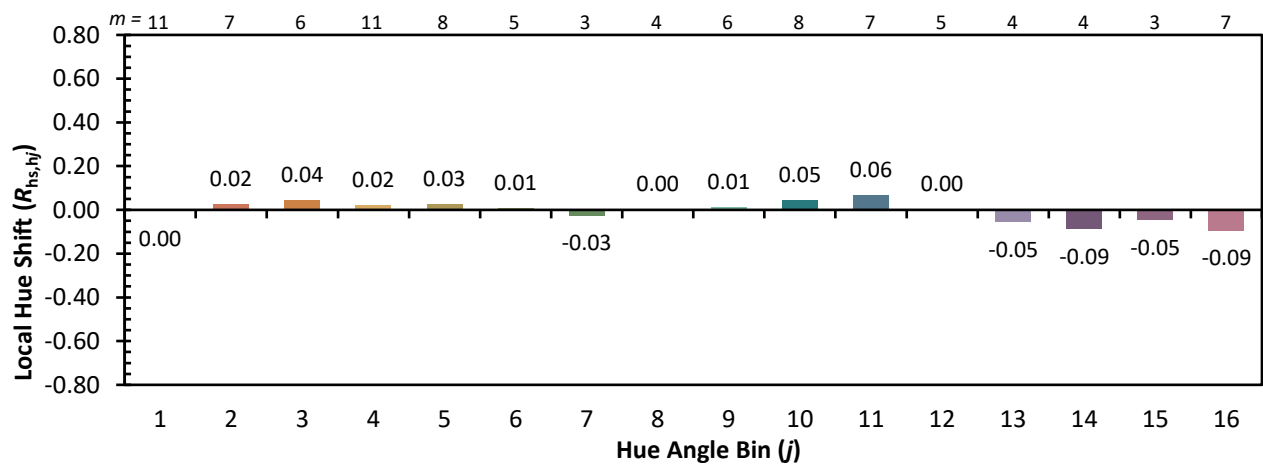
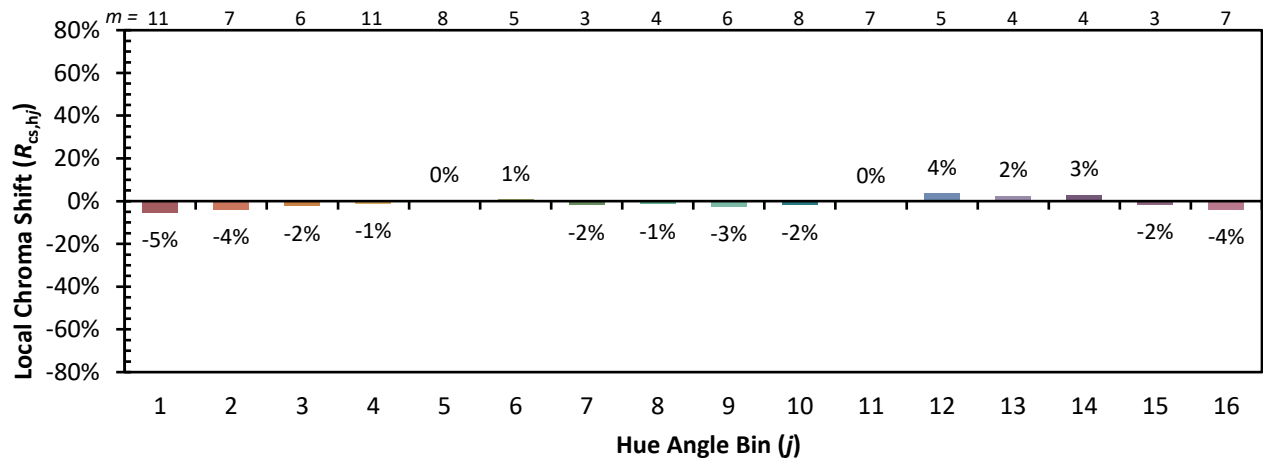
Color Vector Graphics



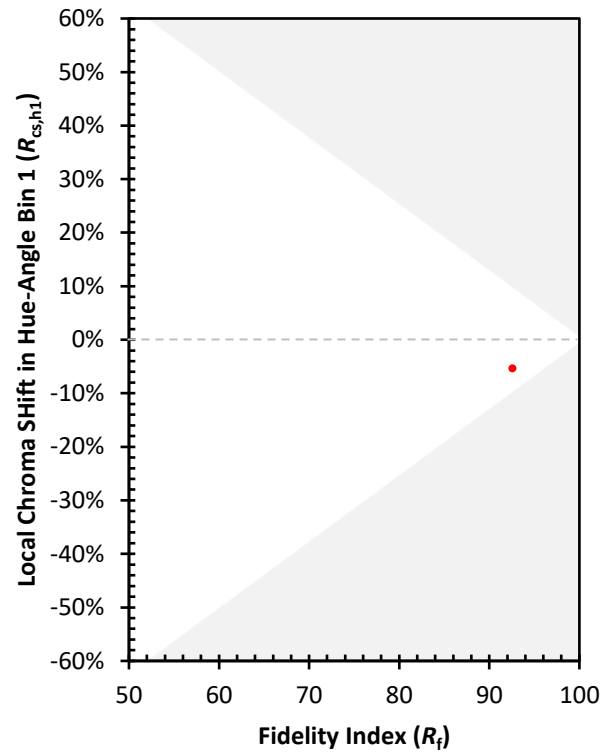
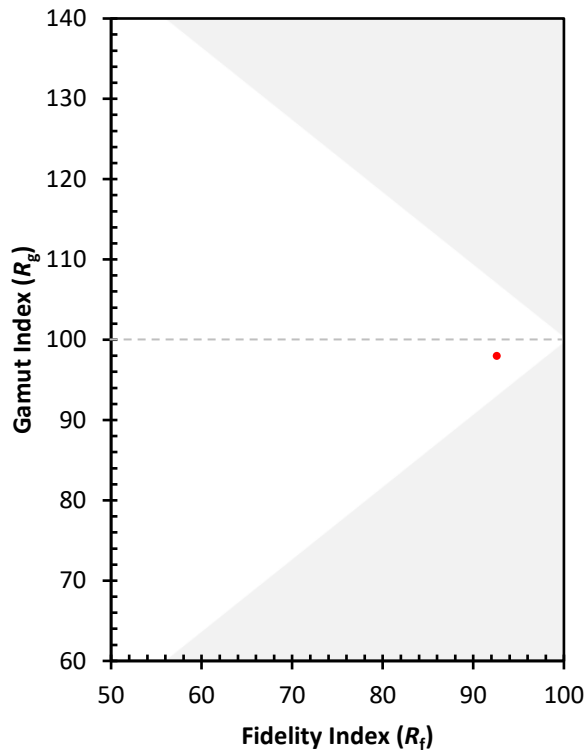
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)