

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: P1065341

Luminaire Tested: **GLAN-SA8A-760-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065341
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-760-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
70CRI 5700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

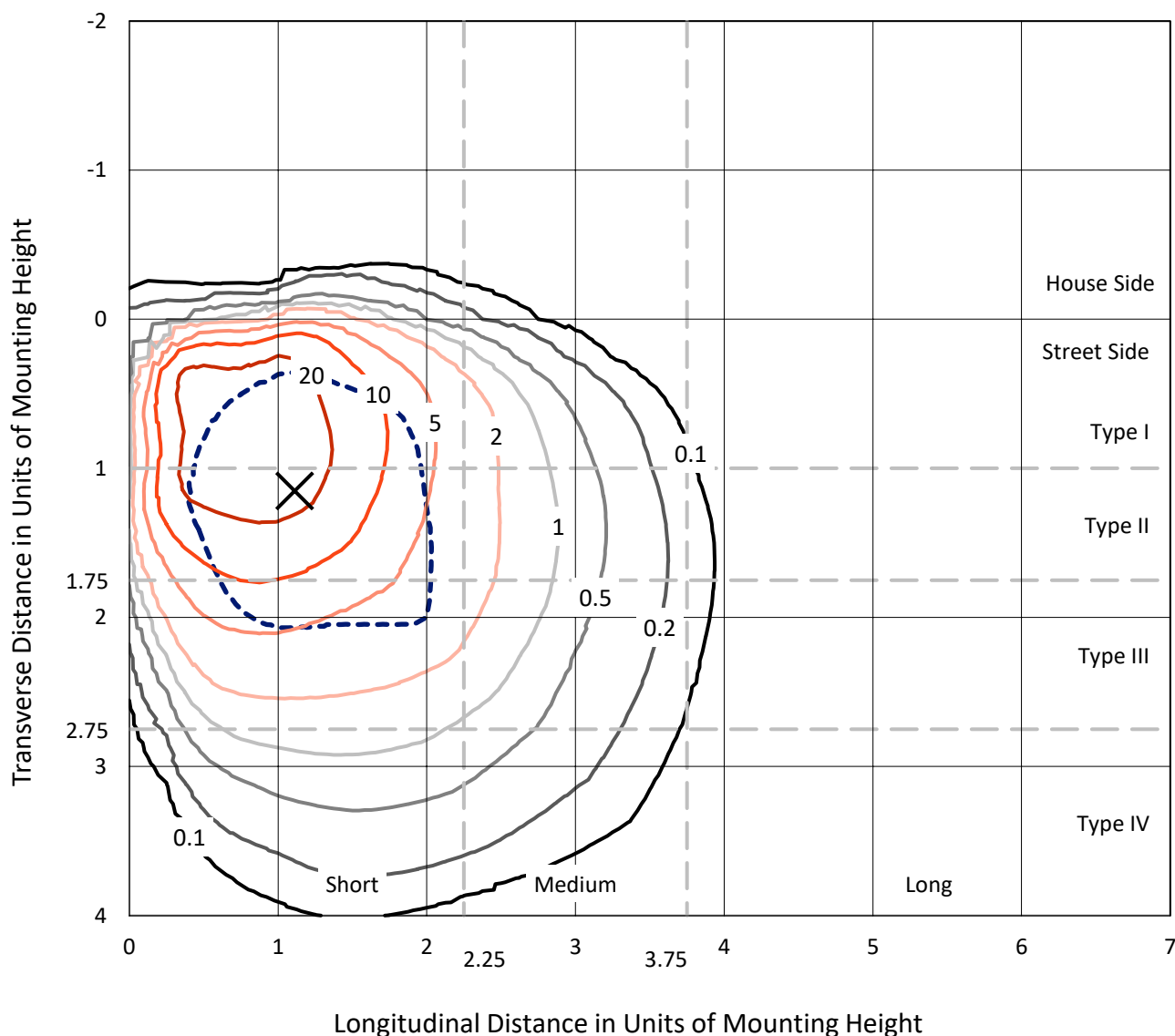
Lumens per Lamp: N/A
Luminaire Lumens: 26187.2 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 217.6
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

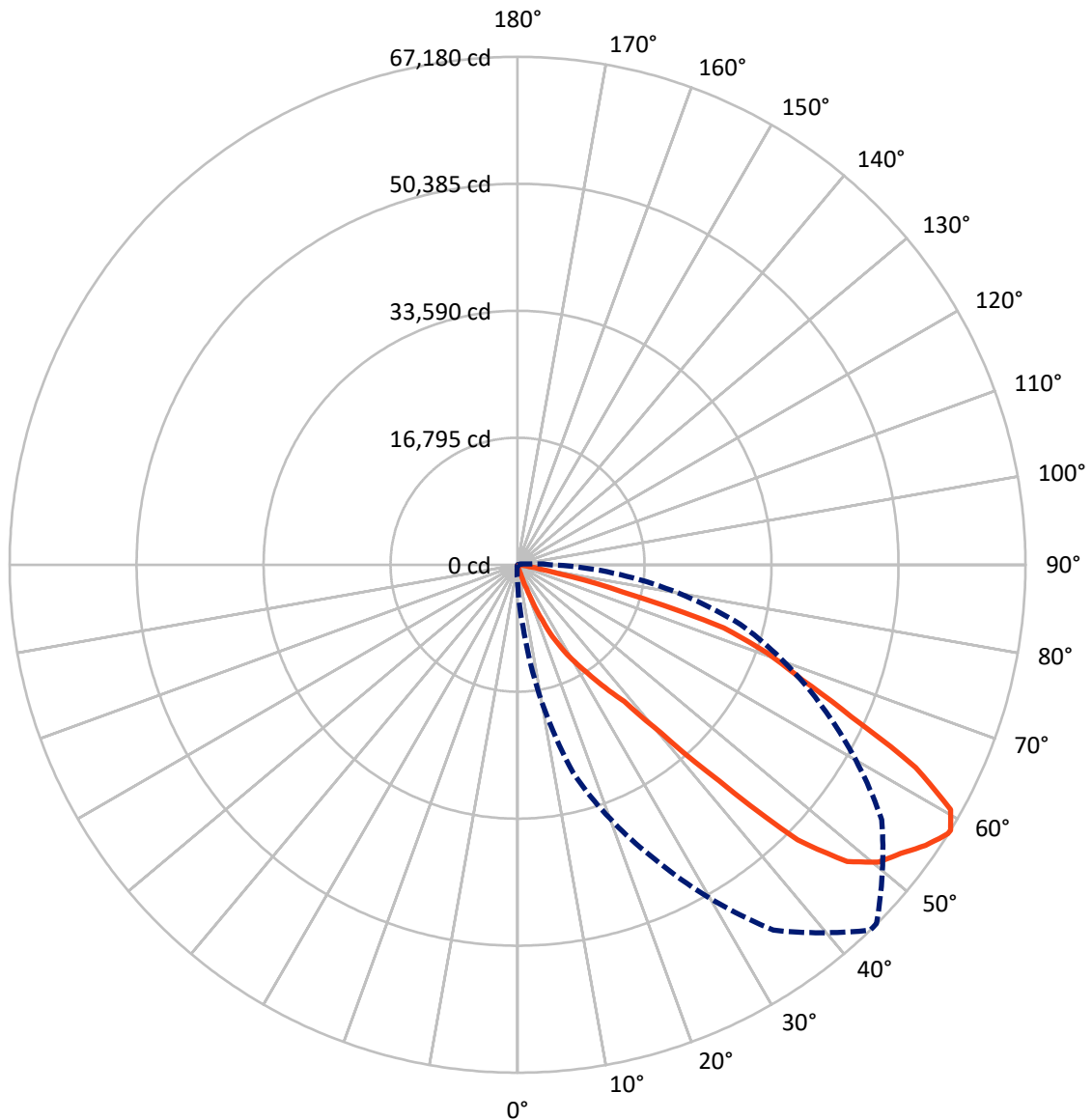
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 45.6 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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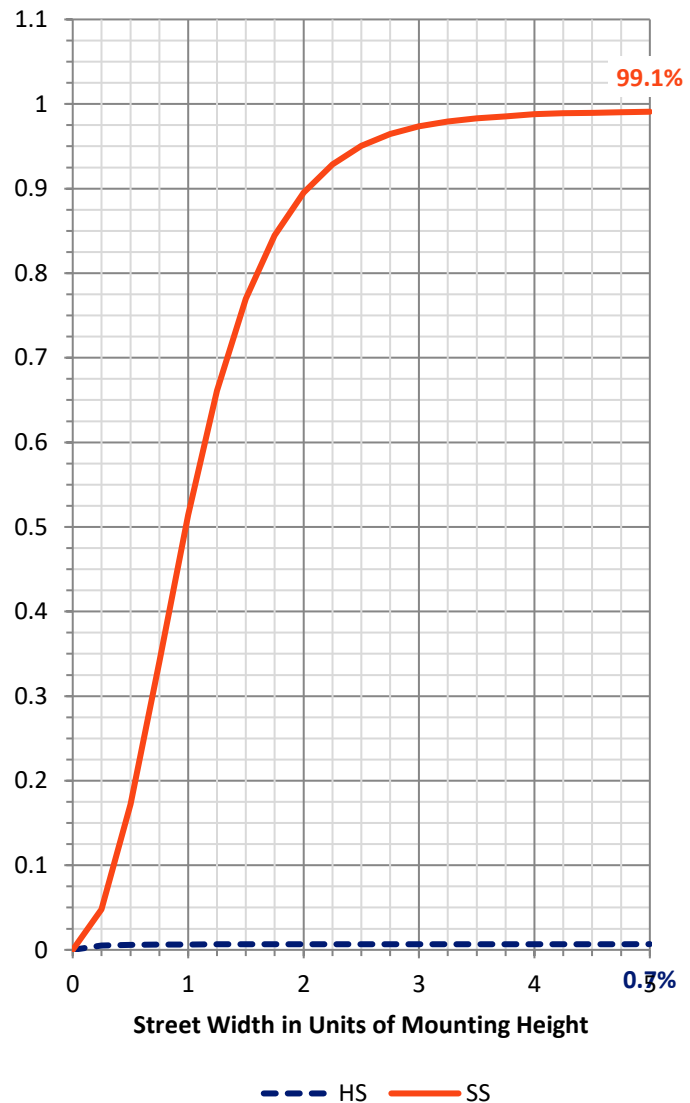
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	178.8	0.0	178.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	26008.4	0.0	26008.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	26187.2	0.0	26187.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.0
10°-20°	57.4	0.2
20°-30°	620.4	2.4
30°-40°	1834.7	7.0
40°-50°	5468.3	20.9
50°-60°	8676.9	33.1
60°-70°	7237.6	27.6
70°-80°	2232.2	8.5
80°-90°	49.6	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°	26187.2	100.0
0°-180°	26187.2	100.0



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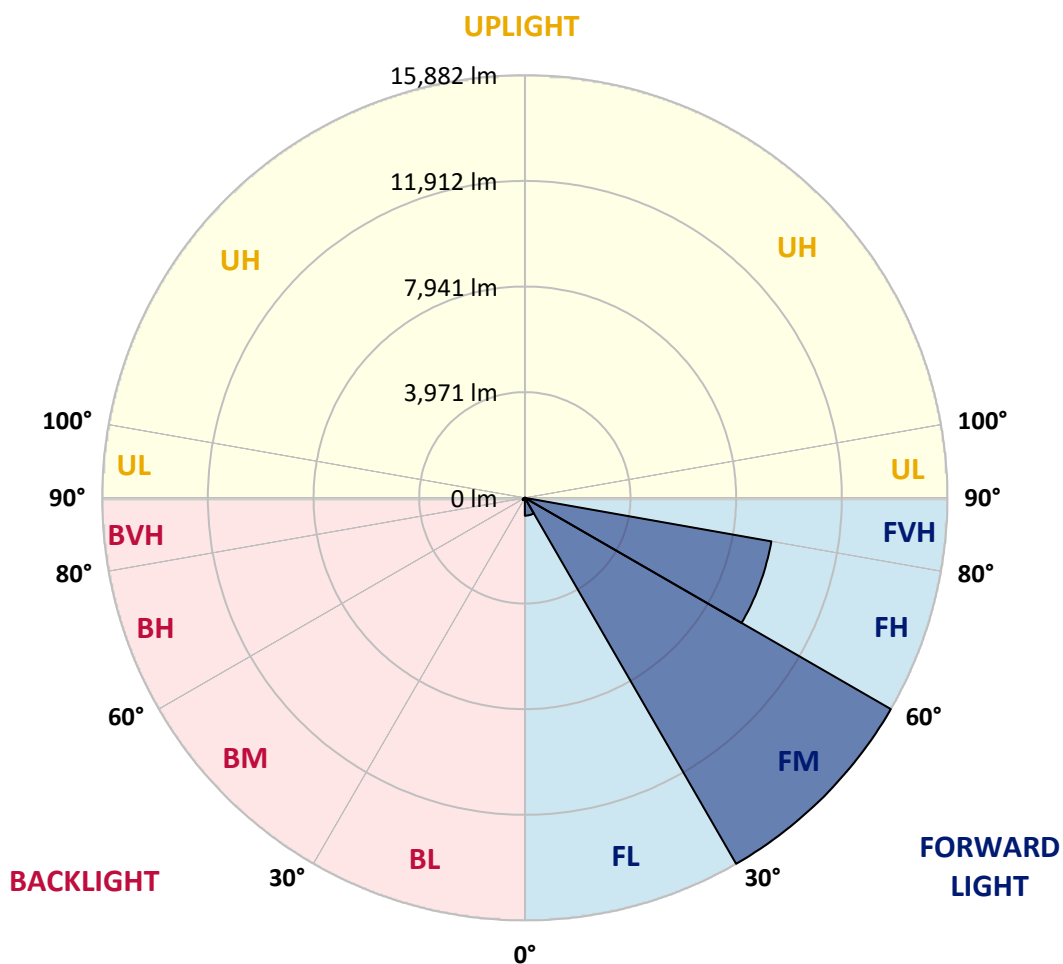
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	670.5	2.6			
FM	(30°-60°)	15882.0	60.6			
FH	(60°-80°)	9408.7	35.9			G4/12000
FVH	(80°-90°)	47.2	0.2			G1/100
BL	(0°-30°)	17.5	0.1	B0/110		
BM	(30°-60°)	97.9	0.4	B0/220		
BH	(60°-80°)	61.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	148.4	148.4	142.4	134.5	126.6	118.7	116.7	112.8	110.8	108.8	106.8
5°	154.3	154.3	152.3	146.4	138.5	132.5	132.5	126.6	122.6	118.7	114.7
7.5°	158.3	160.2	164.2	162.2	158.3	152.3	152.3	148.4	142.4	132.5	126.6
10°	164.2	170.1	178.0	182.0	184.0	182.0	182.0	180.0	170.1	156.3	140.5
12.5°	170.1	182.0	201.8	221.6	233.4	247.3	247.3	243.3	217.6	187.9	160.2
15°	182.0	199.8	241.3	298.7	387.7	443.1	464.9	445.1	360.0	253.2	186.0
17.5°	195.8	225.5	350.1	625.1	1024.7	1214.6	1329.4	1236.4	819.0	480.7	233.4
20°	209.7	275.0	650.8	1620.2	2658.7	3279.9	3452.0	3183.0	2043.5	915.9	346.2
22.5°	233.4	385.8	1319.5	3349.1	5728.9	6660.7	6836.7	5976.2	3859.5	1808.1	520.3
25°	282.9	559.8	2275.0	5457.9	8549.9	10122.6	10049.4	8921.8	6261.1	2888.2	791.3
27.5°	354.1	815.0	3440.1	7754.6	11252.1	12638.9	12805.0	11410.4	8346.1	4247.2	1123.6
30°	457.0	1129.6	4690.4	9594.4	13418.3	14917.8	14945.5	13503.3	10211.6	5440.1	1531.1
32.5°	555.9	1426.3	5784.3	11372.8	15552.8	17196.7	17319.3	15544.9	11604.3	6682.4	1885.2
35°	631.1	1620.2	6892.1	12935.6	17705.1	19970.2	19962.2	17855.4	13254.1	7792.2	2375.8
37.5°	637.0	1814.0	7895.1	14534.0	20431.1	22967.2	23218.4	20896.0	15248.1	9165.1	2977.2
40°	623.1	2031.6	9165.1	17026.6	25343.0	29234.2	29455.7	26528.0	19248.1	11515.2	3916.9
42.5°	639.0	2409.5	11226.4	21629.9	33499.2	39087.7	39515.0	36436.9	26601.2	16310.4	5592.4
45°	722.1	3119.7	15544.9	29331.1	45125.2	51938.2	51795.8	47362.6	35157.0	23610.1	8907.9
47.5°	997.0	4858.5	21946.4	36826.6	52555.4	58622.6	58745.3	53326.9	40150.0	29222.3	13372.8
50°	1533.1	7434.2	27325.2	40789.0	55750.3	61837.3	61722.5	55461.4	42047.1	31985.9	16108.7
52.5°	1994.0	9297.6	30023.5	42179.7	56159.8	63425.8	63417.8	56023.3	42341.9	32223.3	16450.9
55°	2108.8	9438.1	30045.2	42254.8	57077.6	65504.9	65766.0	57406.0	42723.7	31186.7	15163.1
57.5°	2063.3	8356.0	28791.0	42690.0	58711.7	67113.2	67127.0	58745.3	43693.0	30551.7	13030.6
58°	2023.7	8185.9	28537.8	42937.3	58992.6	67180.4	67146.8	58806.6	44482.3	30527.9	12696.2
60°	1802.2	7107.8	27550.7	43568.4	58575.2	65799.6	65485.1	57467.4	44365.6	30284.6	11012.8
62.5°	1416.4	5545.0	26579.4	42838.4	54100.4	59115.2	59245.8	50877.9	40444.8	28866.2	9028.6
65°	1127.6	4132.5	24553.7	37576.3	44549.6	48545.6	49032.2	41372.5	33758.4	24442.9	6656.7
67.5°	898.1	2987.1	20597.3	29916.7	35251.9	40516.0	40870.1	34735.6	26154.1	18727.8	4729.9
70°	730.0	2019.8	14217.5	21879.1	29075.9	34994.8	35016.5	28856.3	19521.1	12270.9	2967.3
72.5°	646.9	1398.6	8253.1	15956.3	23576.5	28516.1	27940.4	23416.2	15002.8	7268.0	1768.5
75°	559.8	927.8	4047.4	9754.6	14294.6	14391.6	14611.1	10862.4	7499.4	3456.0	1060.3
77.5°	460.9	658.7	1594.4	2664.7	4286.8	5487.6	5691.3	4312.5	2494.5	850.6	565.8
80°	316.5	312.6	429.3	817.0	1226.5	1537.1	1434.2	1109.8	652.8	326.4	201.8
82.5°	136.5	148.4	193.9	233.4	189.9	184.0	176.1	112.8	87.0	67.3	41.5
85°	43.5	39.6	41.5	41.5	33.6	25.7	25.7	11.9	0.0	0.0	0.0
87.5°	21.8	17.8	17.8	15.8	9.9	4.0	2.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	104.8	104.8	100.9	96.9	95.0	91.0	89.0	87.0	85.1	83.1	81.1
5°	110.8	108.8	102.9	96.9	91.0	85.1	81.1	77.2	73.2	71.2	69.2
7.5°	120.7	116.7	104.8	95.0	87.0	79.1	75.2	69.2	65.3	59.3	57.4
10°	132.5	124.6	108.8	96.9	85.1	75.2	69.2	63.3	57.4	49.5	47.5
12.5°	148.4	134.5	114.7	95.0	81.1	69.2	63.3	55.4	49.5	43.5	39.6
15°	162.2	144.4	116.7	95.0	77.2	63.3	55.4	47.5	41.5	33.6	29.7
17.5°	182.0	152.3	114.7	89.0	71.2	55.4	47.5	41.5	31.7	19.8	15.8
20°	215.6	158.3	110.8	83.1	61.3	45.5	35.6	27.7	13.8	4.0	0.0
22.5°	269.0	174.1	106.8	75.2	53.4	35.6	23.7	9.9	0.0	0.0	0.0
25°	371.9	201.8	106.8	71.2	47.5	25.7	7.9	0.0	0.0	0.0	0.0
27.5°	494.6	239.4	106.8	61.3	37.6	13.8	0.0	0.0	0.0	0.0	0.0
30°	619.2	280.9	106.8	53.4	29.7	2.0	0.0	0.0	0.0	0.0	0.0
32.5°	737.9	316.5	108.8	45.5	19.8	0.0	0.0	0.0	0.0	0.0	0.0
35°	858.5	322.5	106.8	39.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1012.8	310.6	100.9	35.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	1246.3	316.5	95.0	33.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1677.5	342.2	87.0	33.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	2900.1	458.9	79.1	35.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4797.2	824.9	77.2	35.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6122.6	1038.6	81.1	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6112.7	1157.3	85.1	39.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0
55°	5434.2	1179.0	91.0	43.5	25.7	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	4542.0	1076.2	104.8	53.4	47.5	0.0	0.0	0.0	0.0	0.0	0.0
58°	4383.7	1028.7	108.8	55.4	51.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	3592.5	838.8	138.5	69.2	69.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2480.7	731.9	158.3	89.0	71.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1754.7	660.7	172.1	95.0	57.4	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1311.6	609.3	189.9	96.9	29.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	1004.9	571.7	233.4	102.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	819.0	528.2	282.9	106.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	678.5	476.8	273.0	116.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	451.0	369.9	249.3	116.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	158.3	146.4	193.9	102.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.7	19.8	27.7	35.6	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°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	81.1	81.1	79.1	81.1	81.1	85.1	95.0	108.8	124.6	130.6	136.5
5°	67.3	65.3	63.3	63.3	63.3	69.2	77.2	93.0	110.8	118.7	122.6
7.5°	55.4	53.4	51.4	49.5	49.5	53.4	63.3	81.1	98.9	106.8	112.8
10°	45.5	41.5	39.6	37.6	37.6	41.5	51.4	69.2	89.0	96.9	104.8
12.5°	37.6	31.7	27.7	25.7	23.7	29.7	39.6	55.4	77.2	87.0	95.0
15°	25.7	19.8	13.8	11.9	9.9	15.8	25.7	43.5	65.3	77.2	85.1
17.5°	13.8	5.9	2.0	0.0	0.0	4.0	11.9	31.7	53.4	63.3	73.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	39.6	49.5	59.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	23.7	33.6	43.5
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	17.8	25.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	11.9
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	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	11.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.8	21.8
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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CATALOG NUMBER: GLAN-SA8A-760-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2.5°	140.5	138.5	134.5	130.6	130.6	130.6	136.5	142.4	148.4	148.4
5°	130.6	130.6	128.6	124.6	124.6	126.6	134.5	144.4	152.3	154.3
7.5°	120.7	124.6	120.7	118.7	120.7	122.6	130.6	142.4	154.3	158.3
10°	114.7	116.7	116.7	114.7	114.7	118.7	126.6	142.4	158.3	164.2
12.5°	106.8	110.8	108.8	108.8	108.8	112.8	122.6	140.5	162.2	170.1
15°	98.9	104.8	104.8	102.9	102.9	104.8	118.7	138.5	168.1	182.0
17.5°	91.0	96.9	98.9	95.0	95.0	98.9	112.8	138.5	172.1	195.8
20°	75.2	85.1	91.0	85.1	85.1	89.0	102.9	130.6	174.1	209.7
22.5°	59.3	69.2	77.2	75.2	75.2	77.2	95.0	124.6	176.1	233.4
25°	43.5	53.4	59.3	63.3	63.3	69.2	87.0	120.7	184.0	282.9
27.5°	25.7	37.6	45.5	49.5	51.4	59.3	81.1	116.7	197.8	354.1
30°	11.9	21.8	31.7	39.6	39.6	53.4	75.2	112.8	215.6	457.0
32.5°	0.0	9.9	15.8	27.7	29.7	43.5	69.2	108.8	241.3	555.9
35°	0.0	0.0	7.9	21.8	21.8	35.6	63.3	104.8	280.9	631.1
37.5°	0.0	0.0	0.0	15.8	17.8	31.7	61.3	102.9	288.8	637.0
40°	0.0	0.0	0.0	11.9	13.8	29.7	61.3	104.8	261.1	623.1
42.5°	0.0	0.0	0.0	7.9	9.9	29.7	61.3	108.8	235.4	639.0
45°	0.0	0.0	0.0	5.9	7.9	31.7	59.3	106.8	221.6	722.1
47.5°	0.0	0.0	0.0	7.9	11.9	31.7	57.4	104.8	223.5	997.0
50°	0.0	0.0	0.0	9.9	13.8	31.7	59.3	100.9	245.3	1533.1
52.5°	0.0	0.0	0.0	7.9	11.9	35.6	65.3	98.9	267.1	1994.0
55°	0.0	0.0	0.0	2.0	5.9	45.5	71.2	98.9	300.7	2108.8
57.5°	0.0	0.0	0.0	0.0	0.0	51.4	81.1	104.8	356.1	2063.3
58°	0.0	0.0	0.0	0.0	0.0	51.4	83.1	104.8	360.0	2023.7
60°	0.0	0.0	0.0	0.0	0.0	51.4	91.0	116.7	387.7	1802.2
62.5°	0.0	0.0	0.0	0.0	0.0	43.5	108.8	146.4	403.6	1416.4
65°	0.0	0.0	0.0	0.0	0.0	35.6	128.6	160.2	415.4	1127.6
67.5°	0.0	0.0	0.0	0.0	0.0	33.6	132.5	162.2	421.4	898.1
70°	0.0	0.0	0.0	0.0	0.0	35.6	130.6	174.1	441.1	730.0
72.5°	0.0	0.0	0.0	0.0	0.0	39.6	118.7	191.9	441.1	646.9
75°	0.0	0.0	0.0	0.0	0.0	41.5	110.8	215.6	401.6	559.8
77.5°	0.0	0.0	0.0	0.0	0.0	39.6	108.8	251.2	358.1	460.9
80°	4.0	5.9	5.9	4.0	4.0	33.6	106.8	255.2	304.6	316.5
82.5°	11.9	15.8	13.8	9.9	9.9	29.7	95.0	213.6	158.3	136.5
85°	21.8	25.7	25.7	21.8	21.8	27.7	59.3	77.2	53.4	43.5
87.5°	29.7	33.6	33.6	29.7	29.7	27.7	25.7	23.7	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

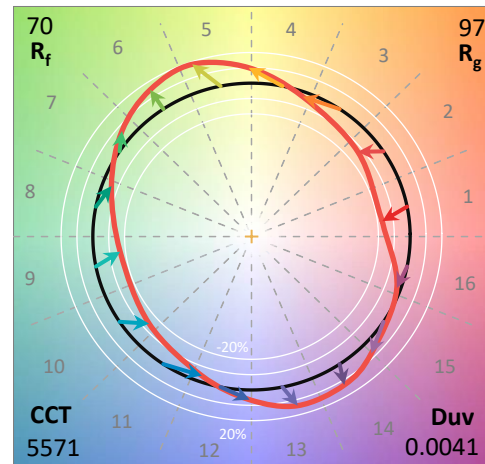
Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

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	CRI (Ra):	69.9		
CIE u':	0.2033	R1:	68.8	R9:	-35.4
CIE v':	0.4806	R2:	72.5	R10:	36.7
Duv:	0.0041	R3:	76.8	R11:	73.9
CIE x:	0.3308	R4:	72.0	R12:	47.8
CIE y:	0.3476	R5:	70.9	R13:	68.0
CIE z:	0.3216	R6:	65.6	R14:	87.0
Peak Wavelength (nm):	442	R7:	75.5	R15:	59.8
Dominant Wavelength (nm):	544	R8:	56.8		
Purity:	3.635698				
Rf:	70.4				
Rg:	97.1				



Test Conditions

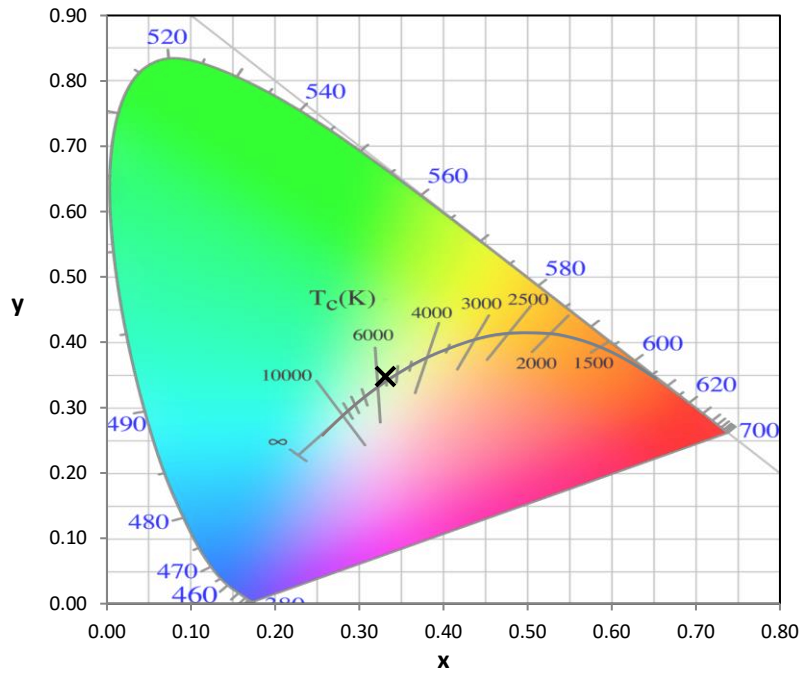
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

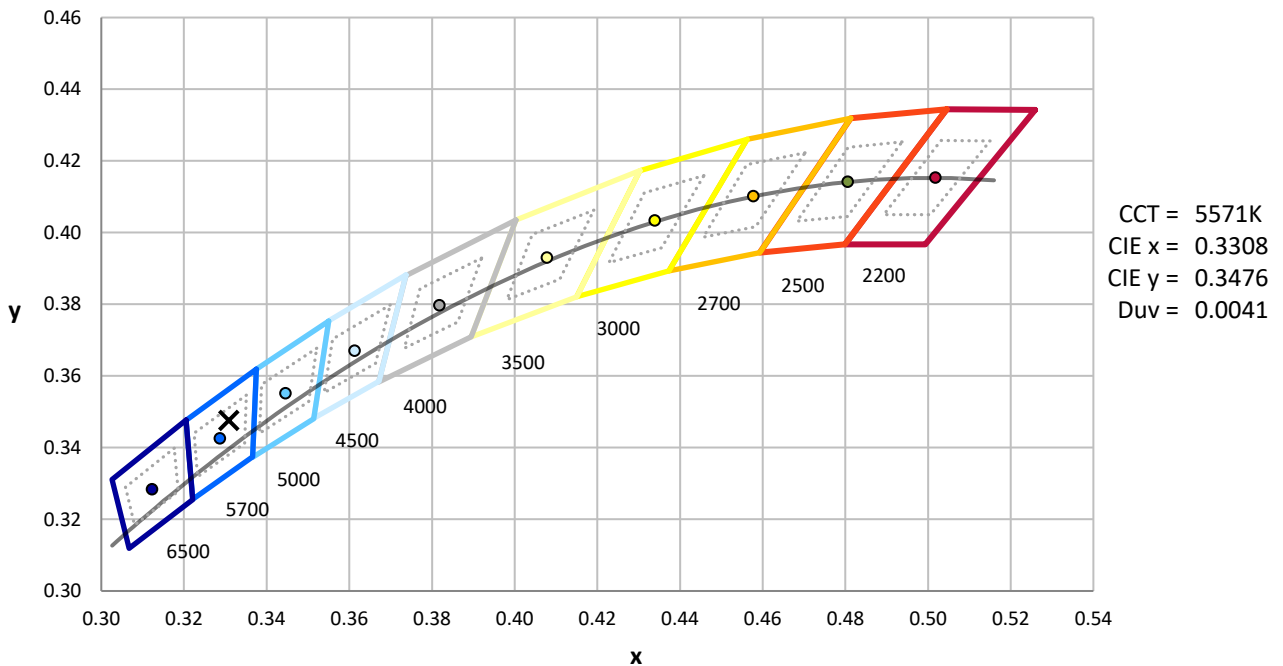
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



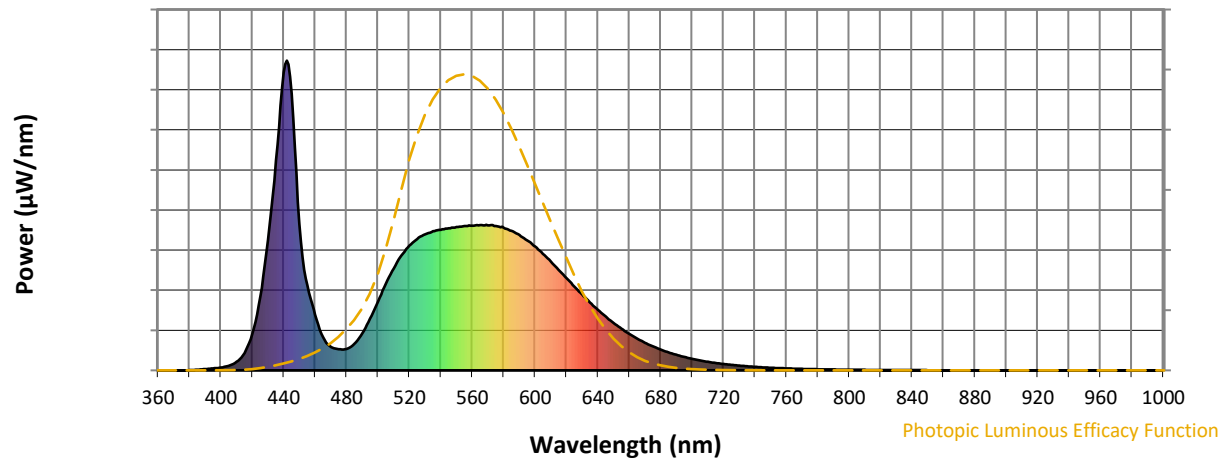
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

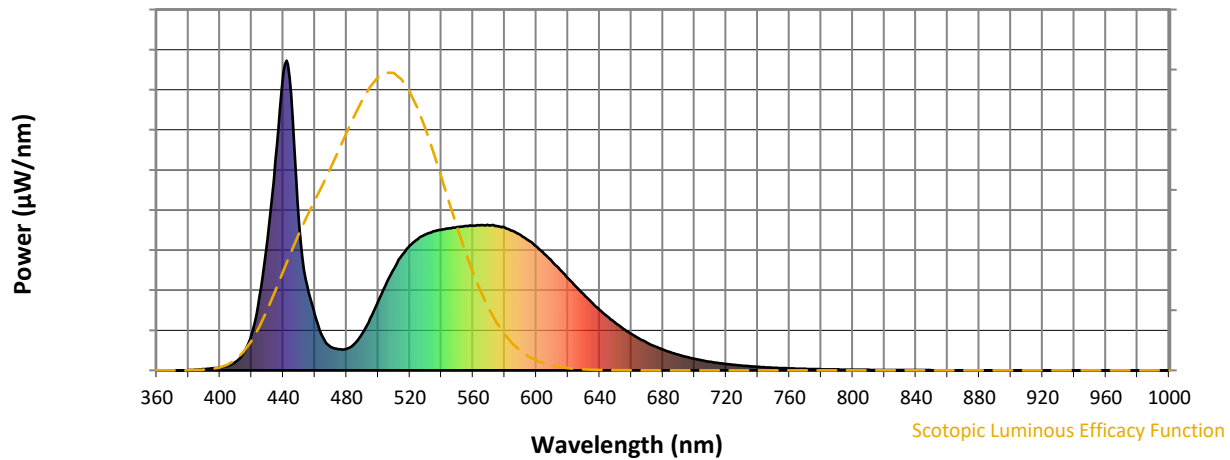


Photopic Lumens: NR

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



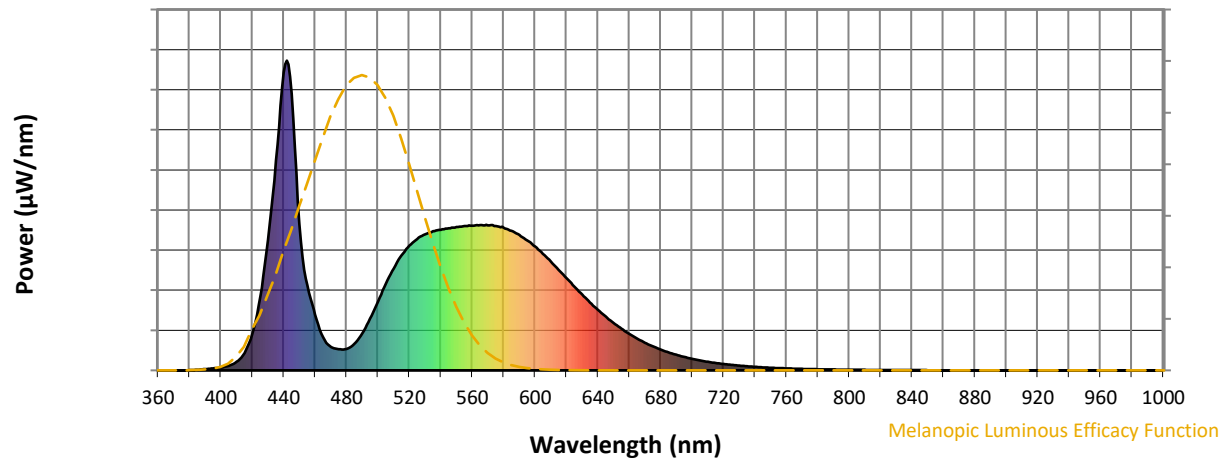
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.71

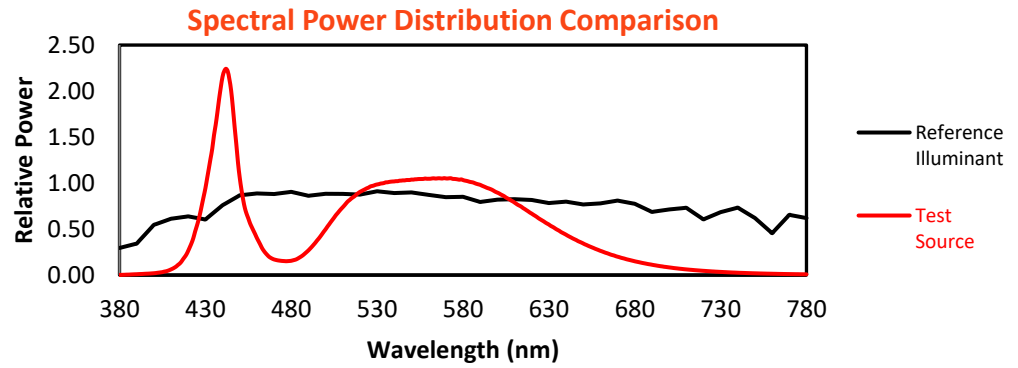
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	120	NR	620	298	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

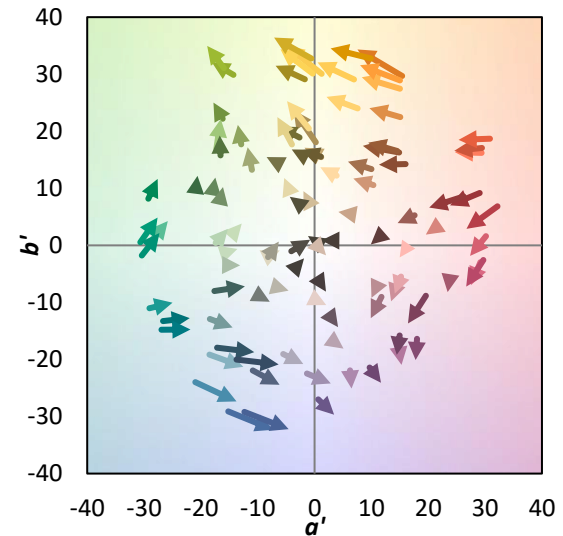
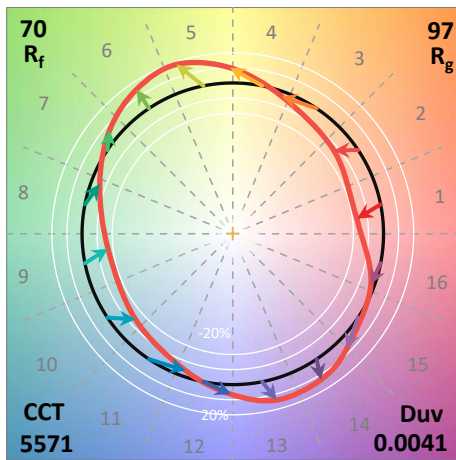
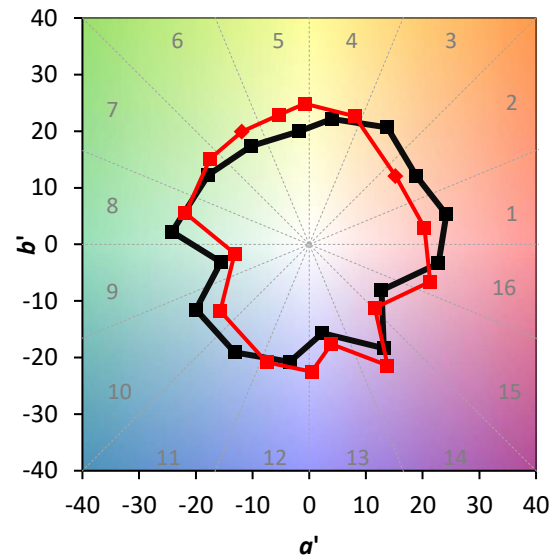
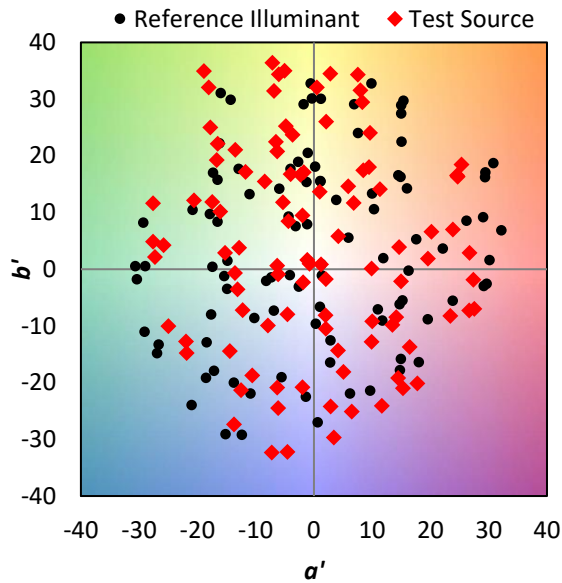
TM-30-18

Summary

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

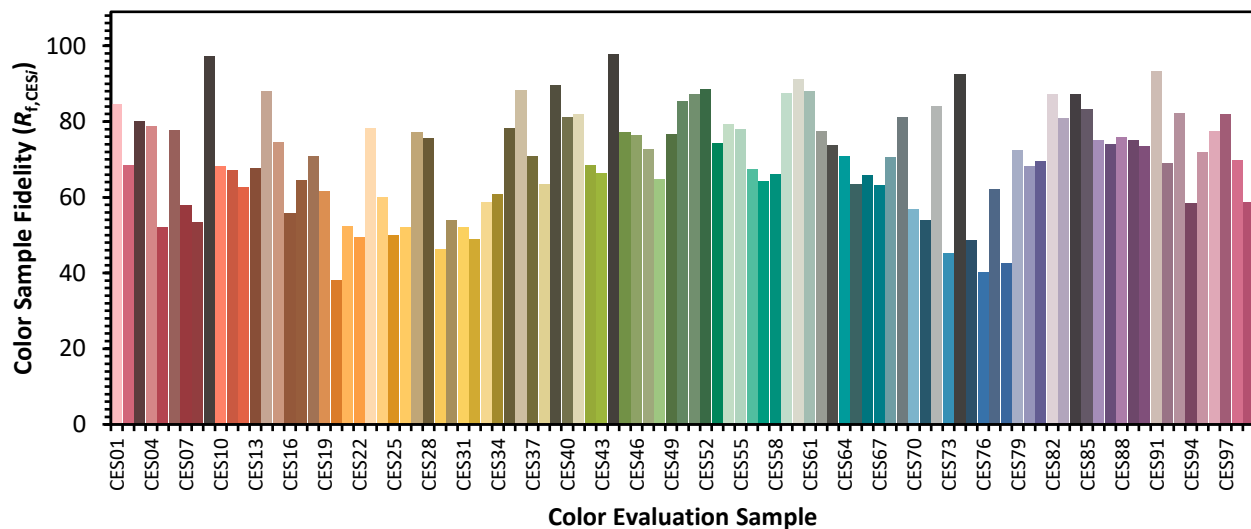


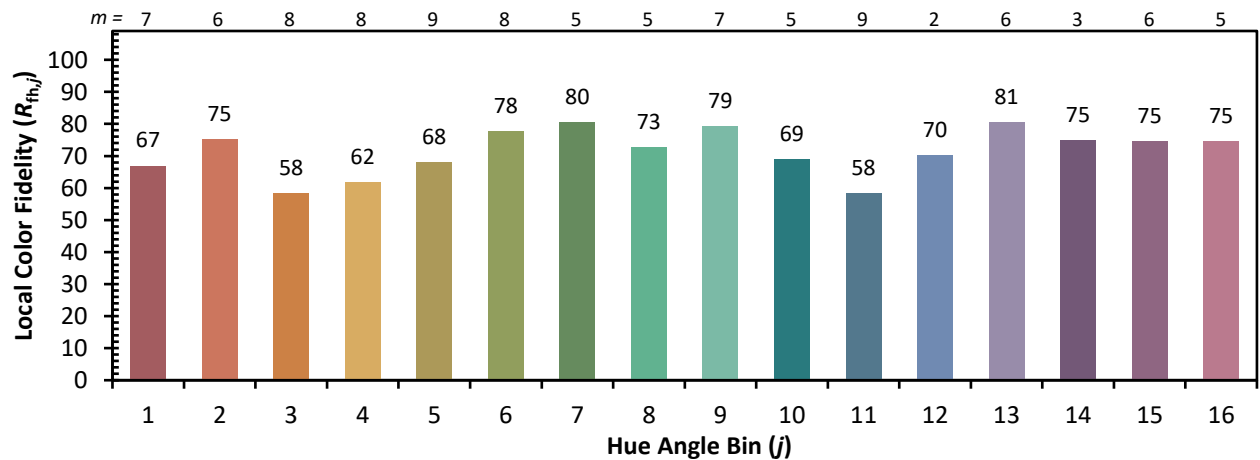
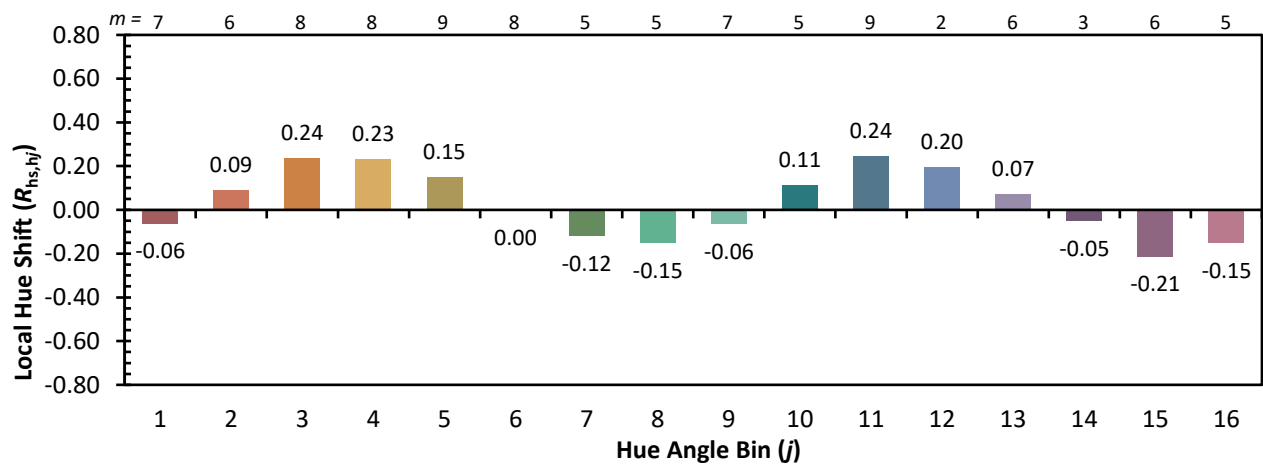
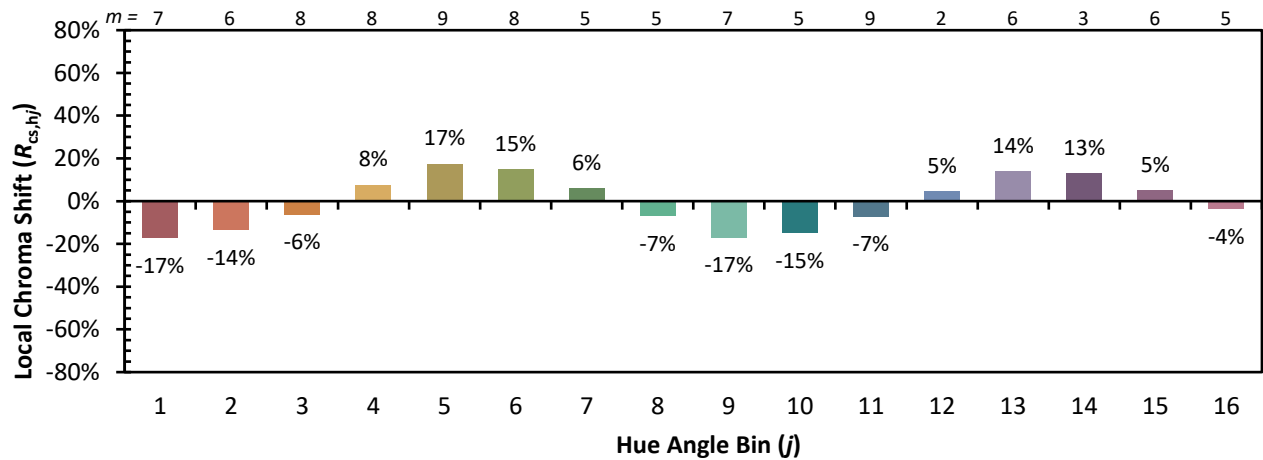
Color Vector Graphics



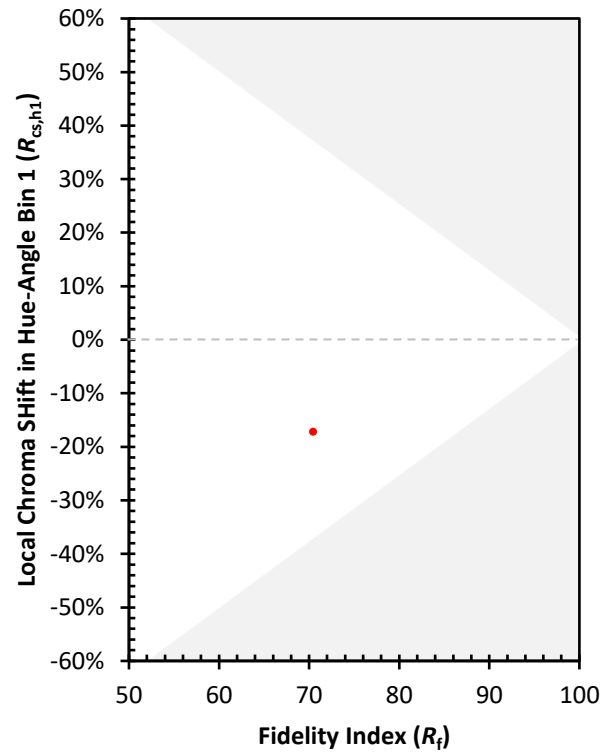
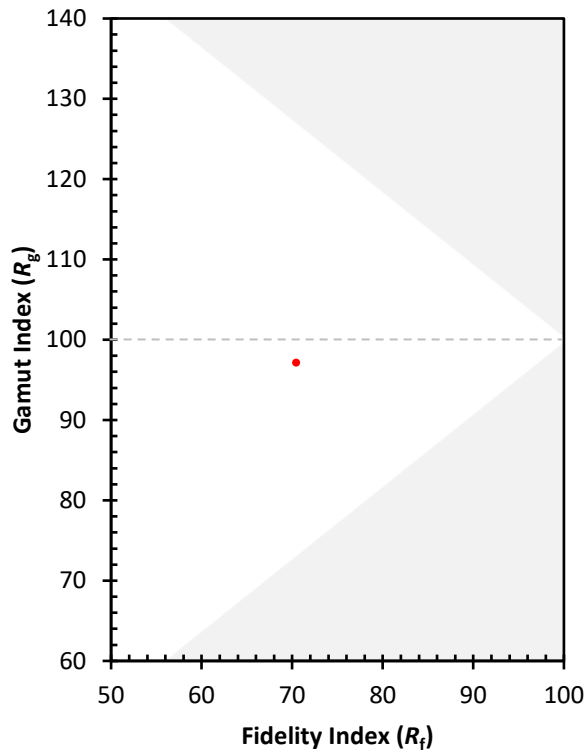
Individual Sample Fidelity Index ($R_{f,i}$)

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	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)