

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: P1066763

Luminaire Tested: **NVN-SA6C-730-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066763
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA6C-730-U-LBC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
70CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26078.8 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 279.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

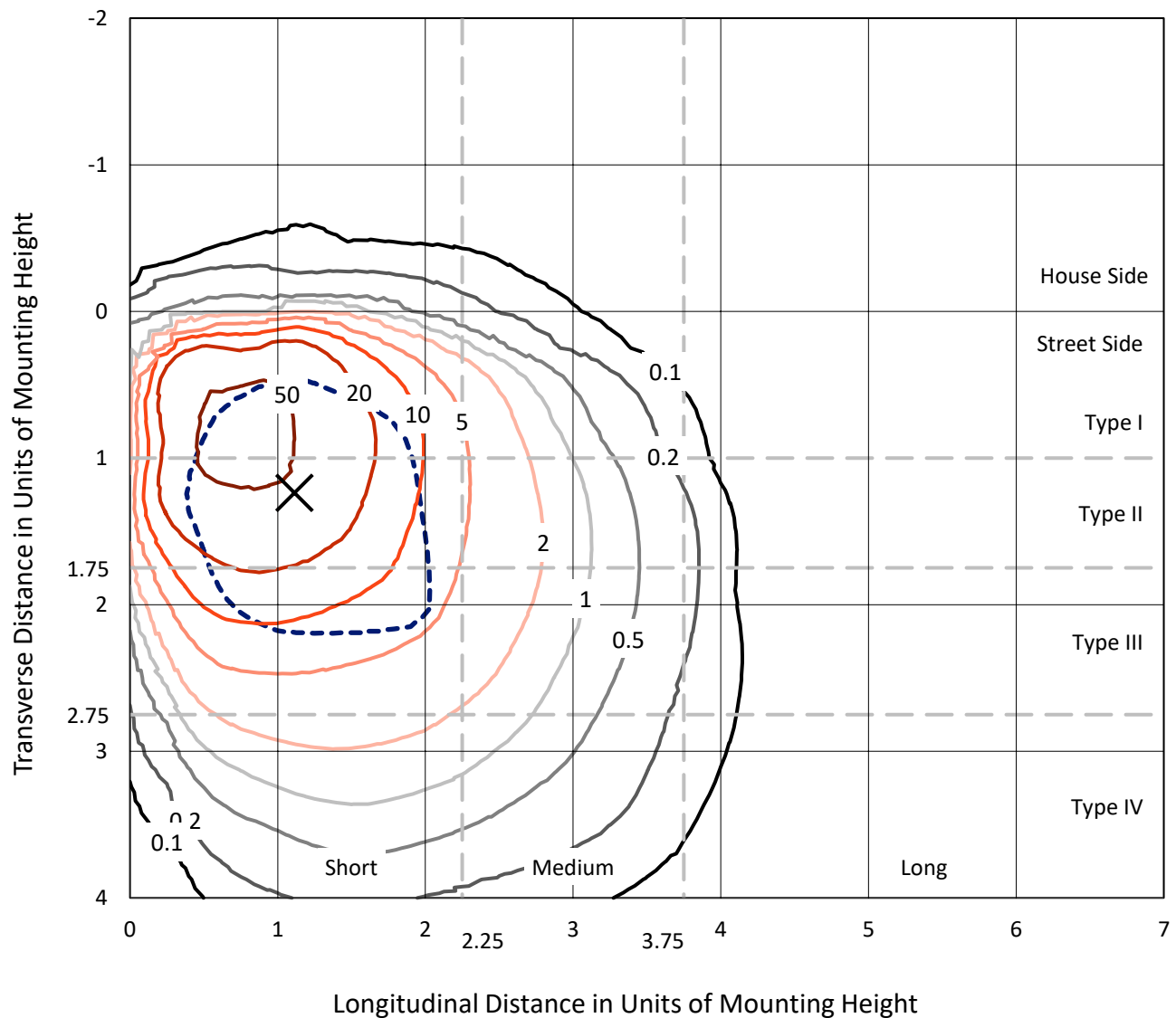


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

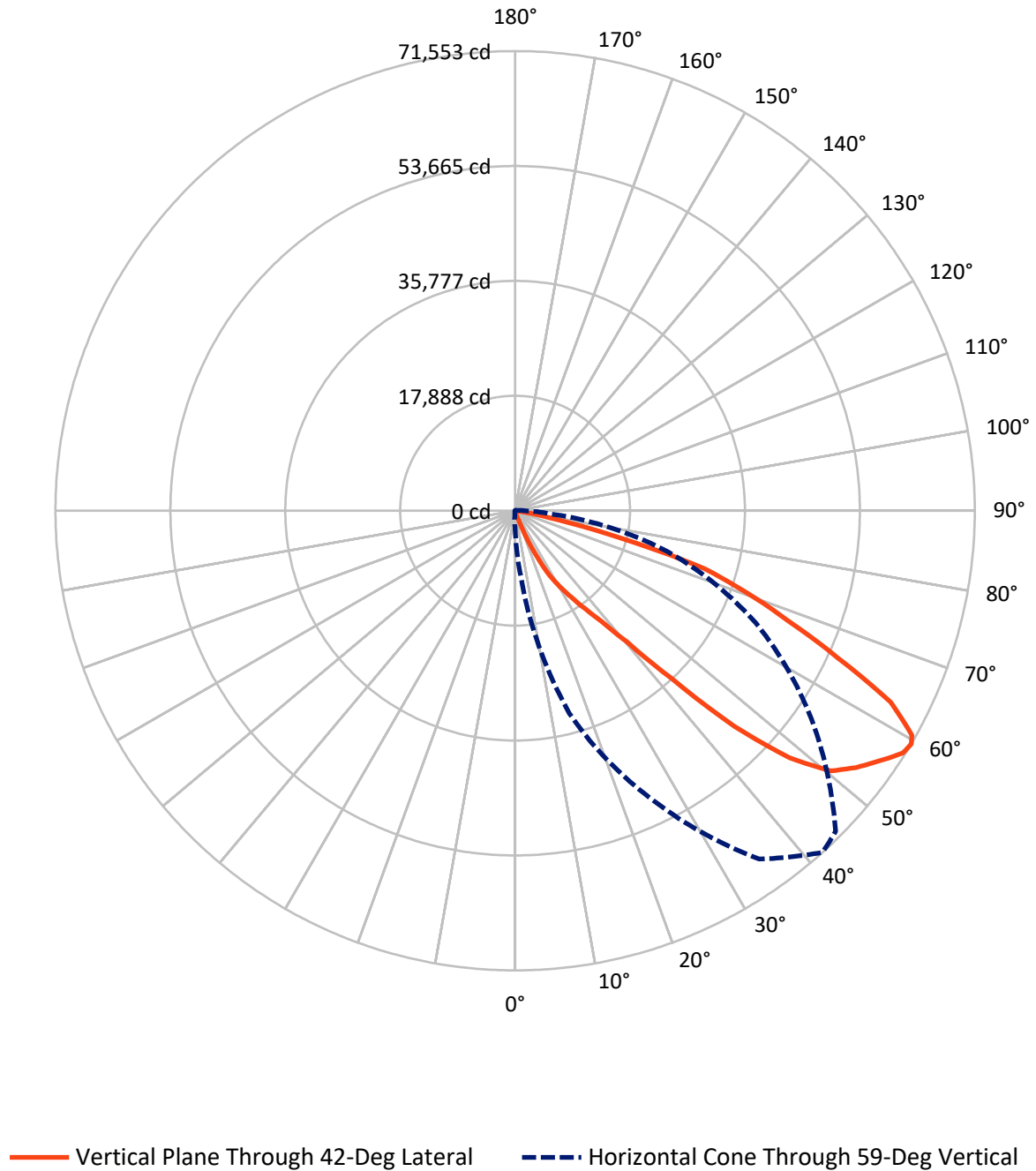


Based on 15 foot mounting height. Maximum calculated value = 77.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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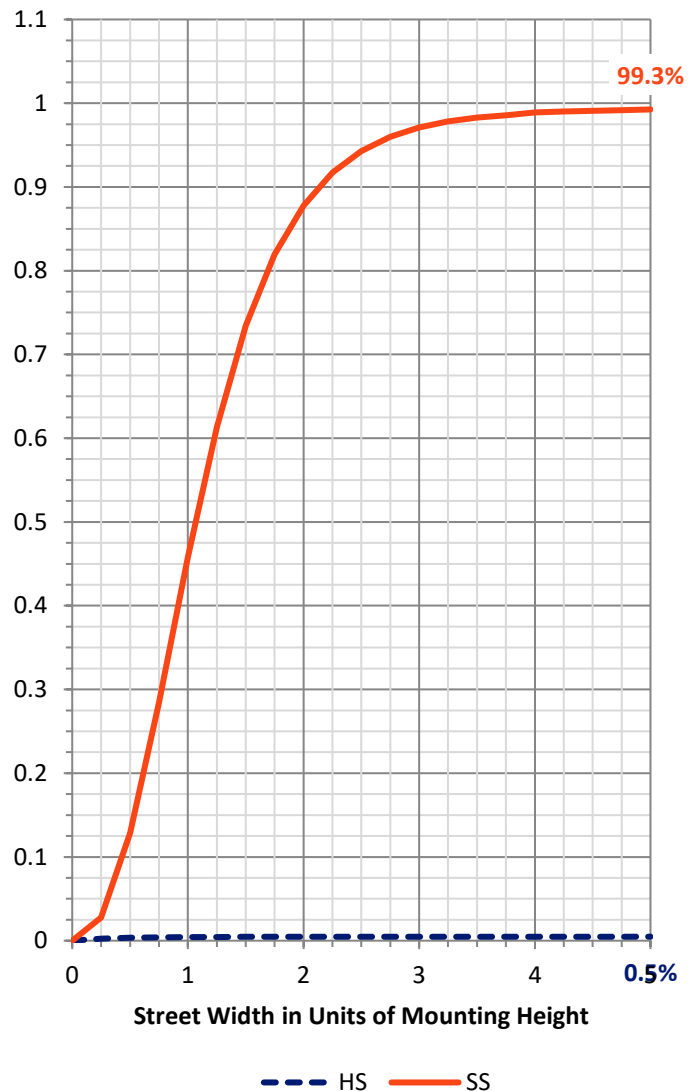
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	125.7	0.0	125.7
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	25953.1	0.0	25953.1
	% Fixture	99.5	0.0	99.5
Total	Lumens	26078.8	0.0	26078.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.0
10°-20°	38.0	0.1
20°-30°	486.4	1.9
30°-40°	1640.0	6.3
40°-50°	4953.6	19.0
50°-60°	8744.2	33.5
60°-70°	7699.5	29.5
70°-80°	2450.8	9.4
80°-90°	58.6	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°	26078.8	100.0
0°-180°	26078.8	100.0



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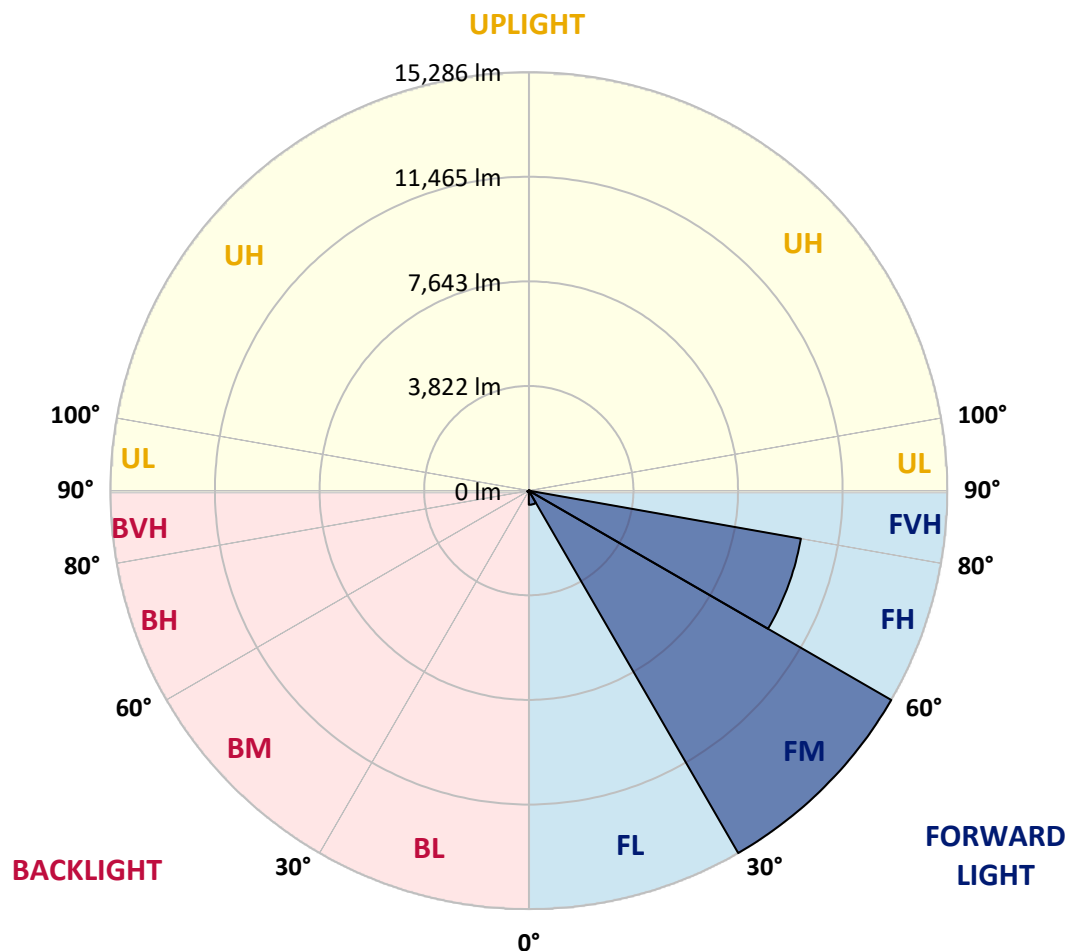
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	518.1	2.0			
FM	(30°-60°)	15286.5	58.6			
FH	(60°-80°)	10092.7	38.7			G4/12000
FVH	(80°-90°)	55.8	0.2			G1/100
BL	(0°-30°)	14.0	0.1	B0/110		
BM	(30°-60°)	51.3	0.2	B0/220		
BH	(60°-80°)	57.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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°	42°	45°	55°	65°	75°	85°
0°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2.5°	114.5	114.5	106.3	98.1	89.9	81.8	81.8	81.8	73.6	73.6	65.4
5°	130.8	130.8	122.6	114.5	114.5	106.3	106.3	98.1	89.9	89.9	81.8
7.5°	139.0	139.0	139.0	139.0	130.8	130.8	130.8	122.6	114.5	106.3	98.1
10°	147.2	155.4	163.5	163.5	163.5	163.5	163.5	155.4	139.0	130.8	114.5
12.5°	163.5	171.7	188.1	204.4	204.4	212.6	204.4	196.2	179.9	155.4	130.8
15°	179.9	196.2	220.8	253.5	286.2	294.4	294.4	269.8	237.1	188.1	155.4
17.5°	204.4	228.9	294.4	400.7	515.1	605.1	605.1	539.7	376.1	245.3	179.9
20°	220.8	269.8	474.2	964.8	1471.8	1847.9	1774.3	1569.9	842.2	384.3	196.2
22.5°	245.3	343.4	1005.7	2534.7	3924.8	4611.6	4448.1	3376.9	1888.8	686.8	237.1
25°	278.0	498.8	1995.1	4750.6	7293.5	8037.6	7931.3	6304.1	3442.3	1152.9	302.5
27.5°	343.4	735.9	3197.0	7203.6	10760.4	11398.1	11357.3	9231.3	5502.8	1856.1	392.5
30°	433.4	1071.1	4742.4	9787.3	13058.0	13703.9	13499.5	11373.6	7424.3	2837.3	506.9
32.5°	539.7	1496.3	6140.6	11692.5	15175.7	16026.1	15780.8	13237.9	8969.7	3671.3	752.2
35°	703.2	1913.3	7522.4	13376.9	17620.5	18699.8	18291.0	15159.4	10302.5	4611.6	907.6
37.5°	785.0	2158.6	8789.8	15208.4	20367.8	21839.6	21528.9	17587.8	11659.8	5813.5	1112.0
40°	793.1	2453.0	10106.2	17596.0	24251.7	26876.4	26320.4	21757.8	14186.3	7358.9	1430.9
42.5°	817.7	2894.5	11815.1	21667.9	31880.4	35649.8	35020.2	29427.5	19918.1	10457.8	2027.8
45°	932.1	3728.5	15298.4	29280.3	42354.6	47882.0	47154.3	40114.2	27923.0	16287.7	3458.7
47.5°	1332.8	5609.1	21406.3	37497.7	53065.9	57473.1	57293.2	48536.1	35175.6	22264.8	5862.6
50°	2142.3	8609.9	28356.3	44406.9	59885.2	63670.9	63221.2	52052.0	39312.9	26344.9	7514.3
52.5°	2861.8	11479.9	32722.6	46949.8	61921.1	66434.6	65886.8	53335.7	40400.4	27546.9	7972.2
55°	3041.7	12518.3	34022.7	47734.8	63270.3	68773.1	67980.0	54194.3	40539.4	26688.3	7211.7
57.5°	2951.7	11537.1	33180.5	48503.4	65150.9	71177.0	70122.2	55870.5	41005.5	25232.9	6001.6
59°	2796.4	10327.0	32657.2	49116.6	66189.3	71553.1	70563.8	56238.4	41316.2	24570.6	5265.7
60°	2616.5	9509.3	32248.4	49517.3	66123.9	70964.4	69942.3	56066.7	41438.8	23998.2	4914.1
62.5°	2019.6	7587.9	31659.7	49231.1	61994.7	65592.4	65011.9	51864.0	39640.0	22166.7	3875.7
65°	1569.9	5805.4	29501.1	43908.2	52755.2	55175.5	54995.6	43916.3	33360.4	19108.6	2796.4
67.5°	1242.8	4235.5	24946.7	35559.9	42444.6	45886.9	45756.1	35649.8	25322.8	14603.3	2011.4
70°	1013.9	3017.2	17105.4	26811.0	33949.1	38282.7	38094.6	28691.6	18765.2	9264.0	1463.6
72.5°	858.5	1929.7	10376.1	20212.5	28331.8	30809.3	30261.5	23147.9	13646.7	5044.9	1161.1
75°	727.7	1185.6	5143.1	12600.1	16876.4	16860.1	16312.2	12256.7	7326.2	2469.3	924.0
77.5°	588.7	834.0	2019.6	3458.7	5322.9	6590.3	6484.0	4341.8	2191.3	719.5	572.4
80°	384.3	392.5	539.7	948.5	1463.6	1619.0	1839.7	1324.6	637.8	343.4	237.1
82.5°	171.7	188.1	245.3	310.7	310.7	286.2	253.5	188.1	139.0	114.5	57.2
85°	40.9	57.2	40.9	49.1	40.9	32.7	32.7	16.4	0.0	0.0	0.0
87.5°	8.2	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2.5°	65.4	65.4	65.4	57.2	57.2	57.2	49.1	49.1	49.1	40.9	40.9
5°	81.8	73.6	65.4	65.4	57.2	57.2	49.1	40.9	40.9	40.9	32.7
7.5°	89.9	81.8	73.6	65.4	57.2	49.1	49.1	40.9	32.7	32.7	32.7
10°	106.3	98.1	81.8	65.4	57.2	49.1	40.9	40.9	32.7	24.5	24.5
12.5°	122.6	106.3	89.9	73.6	57.2	49.1	40.9	40.9	32.7	24.5	16.4
15°	139.0	122.6	98.1	73.6	57.2	49.1	40.9	40.9	24.5	16.4	8.2
17.5°	155.4	130.8	98.1	81.8	57.2	49.1	40.9	32.7	16.4	8.2	0.0
20°	163.5	139.0	106.3	81.8	57.2	49.1	40.9	24.5	8.2	0.0	0.0
22.5°	179.9	155.4	114.5	81.8	57.2	40.9	24.5	8.2	0.0	0.0	0.0
25°	212.6	163.5	114.5	81.8	57.2	40.9	16.4	0.0	0.0	0.0	0.0
27.5°	237.1	179.9	114.5	81.8	57.2	32.7	8.2	0.0	0.0	0.0	0.0
30°	278.0	196.2	122.6	81.8	57.2	24.5	8.2	0.0	0.0	0.0	0.0
32.5°	343.4	212.6	122.6	81.8	49.1	24.5	0.0	0.0	0.0	0.0	0.0
35°	417.0	245.3	122.6	81.8	49.1	24.5	0.0	0.0	0.0	0.0	0.0
37.5°	425.2	261.7	122.6	81.8	49.1	16.4	0.0	0.0	0.0	0.0	0.0
40°	441.5	245.3	130.8	81.8	49.1	16.4	0.0	0.0	0.0	0.0	0.0
42.5°	506.9	228.9	139.0	81.8	49.1	16.4	0.0	0.0	0.0	0.0	0.0
45°	752.2	237.1	139.0	89.9	49.1	24.5	0.0	0.0	0.0	0.0	0.0
47.5°	1308.3	245.3	130.8	89.9	49.1	24.5	0.0	0.0	0.0	0.0	0.0
50°	1676.2	286.2	130.8	98.1	57.2	16.4	0.0	0.0	0.0	0.0	0.0
52.5°	1782.5	335.2	130.8	106.3	73.6	8.2	0.0	0.0	0.0	0.0	0.0
55°	1733.4	392.5	139.0	114.5	89.9	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1602.6	425.2	147.2	122.6	98.1	0.0	0.0	0.0	0.0	0.0	0.0
59°	1463.6	449.7	171.7	130.8	98.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	1349.1	474.2	179.9	139.0	98.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1087.5	506.9	196.2	163.5	81.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	948.5	531.5	204.4	179.9	73.6	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	866.7	547.8	220.8	188.1	65.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	801.3	539.7	237.1	179.9	57.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	727.7	515.1	286.2	163.5	49.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	654.1	466.1	310.7	147.2	32.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	474.2	392.5	286.2	130.8	16.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	204.4	212.6	204.4	98.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	40.9	49.1	40.9	24.5	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°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2.5°	40.9	40.9	40.9	40.9	49.1	49.1	65.4	81.8	98.1	106.3	106.3
5°	32.7	32.7	32.7	32.7	32.7	40.9	49.1	65.4	89.9	98.1	98.1
7.5°	24.5	24.5	24.5	24.5	24.5	24.5	40.9	57.2	81.8	89.9	98.1
10°	24.5	16.4	16.4	8.2	8.2	16.4	24.5	49.1	73.6	81.8	89.9
12.5°	16.4	8.2	8.2	0.0	0.0	8.2	16.4	40.9	65.4	73.6	81.8
15°	8.2	0.0	0.0	0.0	0.0	0.0	8.2	32.7	57.2	65.4	81.8
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	49.1	65.4	73.6
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	40.9	57.2	65.4
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	32.7	49.1	57.2
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	32.7	40.9
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	24.5	32.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	24.5	32.7
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4	24.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4	24.5
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4	16.4
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
59°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	16.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	8.2
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):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2.5°	114.5	114.5	106.3	98.1	98.1	98.1	106.3	114.5	114.5	114.5
5°	106.3	106.3	98.1	98.1	98.1	98.1	106.3	122.6	130.8	130.8
7.5°	106.3	106.3	98.1	98.1	98.1	98.1	106.3	122.6	130.8	139.0
10°	98.1	98.1	98.1	98.1	89.9	98.1	106.3	122.6	147.2	147.2
12.5°	98.1	98.1	98.1	98.1	89.9	98.1	114.5	130.8	155.4	163.5
15°	98.1	98.1	98.1	89.9	89.9	98.1	114.5	139.0	163.5	179.9
17.5°	89.9	98.1	98.1	89.9	89.9	98.1	114.5	139.0	179.9	204.4
20°	81.8	89.9	98.1	89.9	89.9	89.9	114.5	139.0	188.1	220.8
22.5°	73.6	81.8	89.9	89.9	81.8	89.9	114.5	147.2	204.4	245.3
25°	65.4	73.6	73.6	81.8	81.8	89.9	114.5	147.2	212.6	278.0
27.5°	49.1	57.2	65.4	73.6	73.6	89.9	114.5	155.4	228.9	343.4
30°	40.9	49.1	57.2	65.4	73.6	89.9	114.5	155.4	245.3	433.4
32.5°	40.9	49.1	57.2	65.4	73.6	81.8	114.5	163.5	269.8	539.7
35°	32.7	40.9	49.1	65.4	65.4	81.8	114.5	163.5	294.4	703.2
37.5°	32.7	40.9	49.1	65.4	65.4	81.8	114.5	163.5	359.8	785.0
40°	24.5	32.7	40.9	65.4	65.4	81.8	122.6	171.7	367.9	793.1
42.5°	24.5	32.7	40.9	57.2	65.4	81.8	122.6	171.7	343.4	817.7
45°	24.5	32.7	40.9	65.4	73.6	89.9	122.6	179.9	335.2	932.1
47.5°	24.5	32.7	40.9	65.4	81.8	89.9	122.6	179.9	343.4	1332.8
50°	24.5	32.7	40.9	65.4	89.9	89.9	122.6	179.9	376.1	2142.3
52.5°	16.4	24.5	32.7	57.2	73.6	98.1	130.8	171.7	400.7	2861.8
55°	16.4	16.4	24.5	49.1	65.4	106.3	139.0	171.7	466.1	3041.7
57.5°	16.4	16.4	24.5	40.9	57.2	114.5	147.2	171.7	539.7	2951.7
59°	16.4	16.4	24.5	40.9	57.2	114.5	147.2	171.7	539.7	2951.7
60°	16.4	16.4	16.4	32.7	49.1	114.5	155.4	188.1	556.0	2616.5
62.5°	8.2	8.2	8.2	32.7	40.9	114.5	171.7	228.9	572.4	2019.6
65°	16.4	16.4	8.2	24.5	40.9	98.1	196.2	245.3	580.5	1569.9
67.5°	16.4	16.4	16.4	32.7	40.9	98.1	204.4	253.5	580.5	1242.8
70°	16.4	16.4	16.4	32.7	49.1	98.1	204.4	261.7	572.4	1013.9
72.5°	16.4	16.4	16.4	32.7	49.1	89.9	188.1	269.8	547.8	858.5
75°	16.4	16.4	16.4	24.5	40.9	81.8	179.9	294.4	498.8	727.7
77.5°	16.4	16.4	16.4	16.4	32.7	65.4	163.5	327.1	441.5	588.7
80°	24.5	16.4	16.4	16.4	24.5	57.2	155.4	318.9	367.9	384.3
82.5°	24.5	16.4	16.4	8.2	16.4	40.9	122.6	245.3	188.1	171.7
85°	16.4	16.4	16.4	8.2	8.2	24.5	57.2	73.6	57.2	40.9
87.5°	16.4	16.4	16.4	8.2	8.2	8.2	8.2	8.2	8.2	8.2
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: SP1-2407-184-4

Test Date: 10/10/2024

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

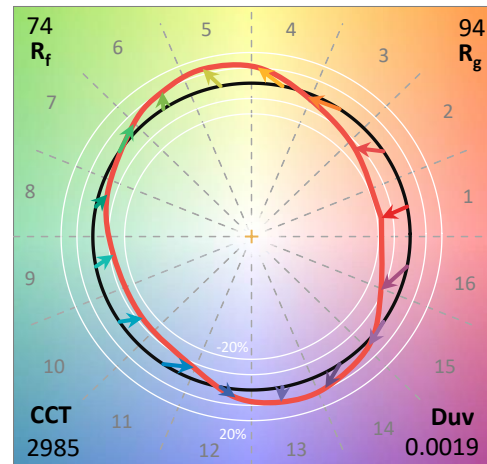
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

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

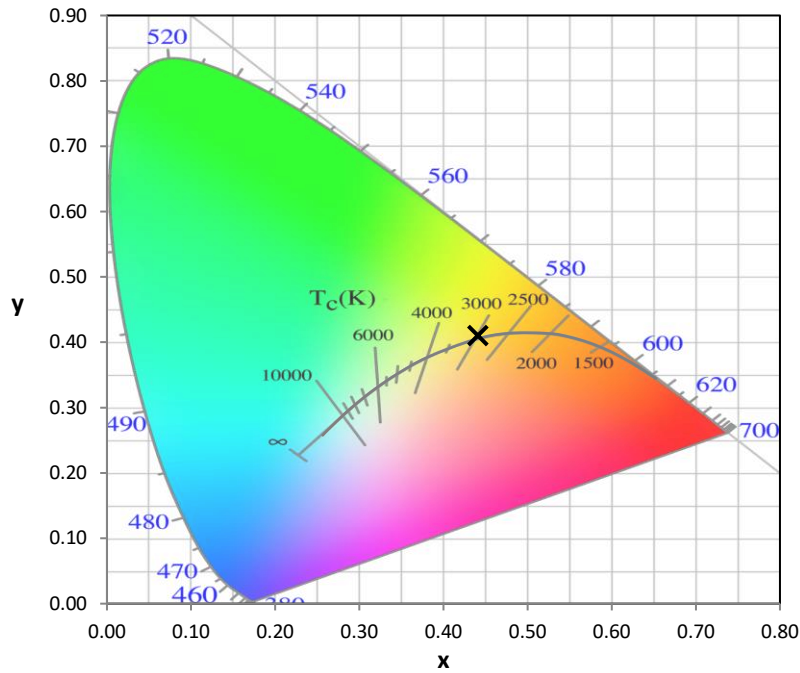
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

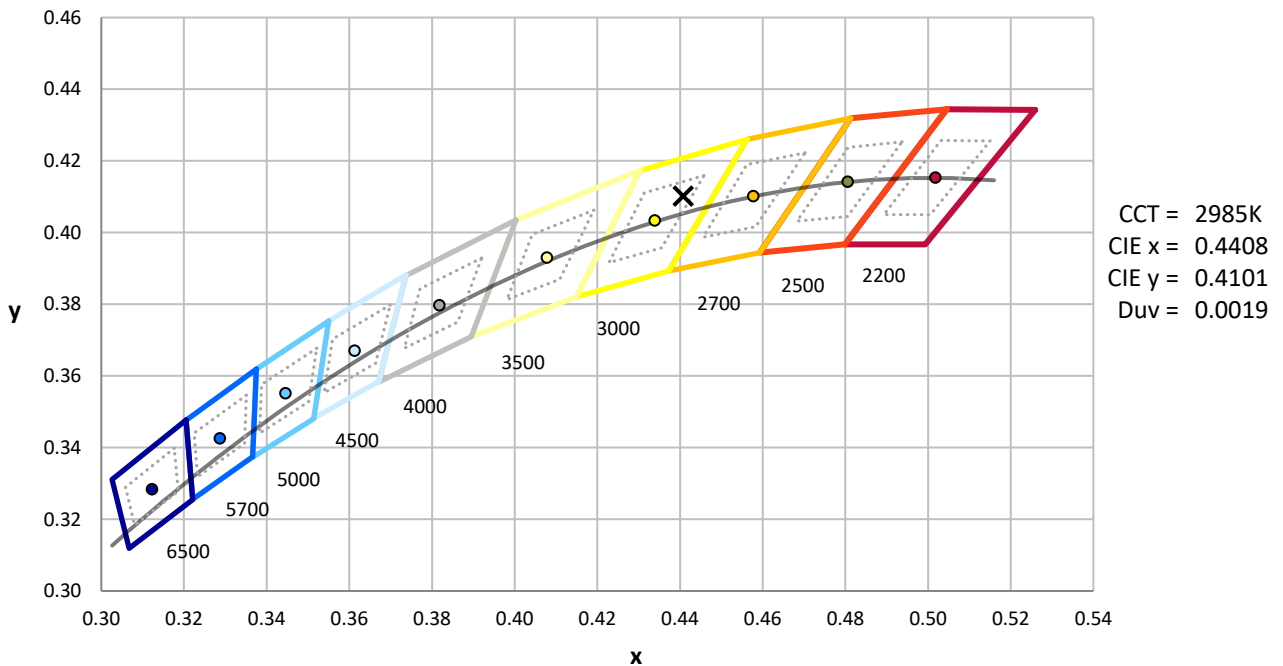
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



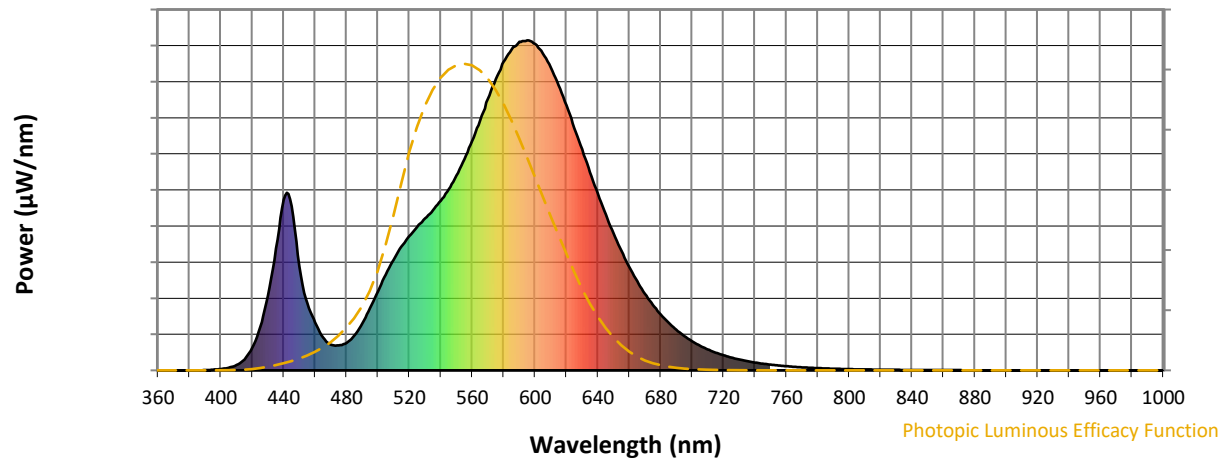
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

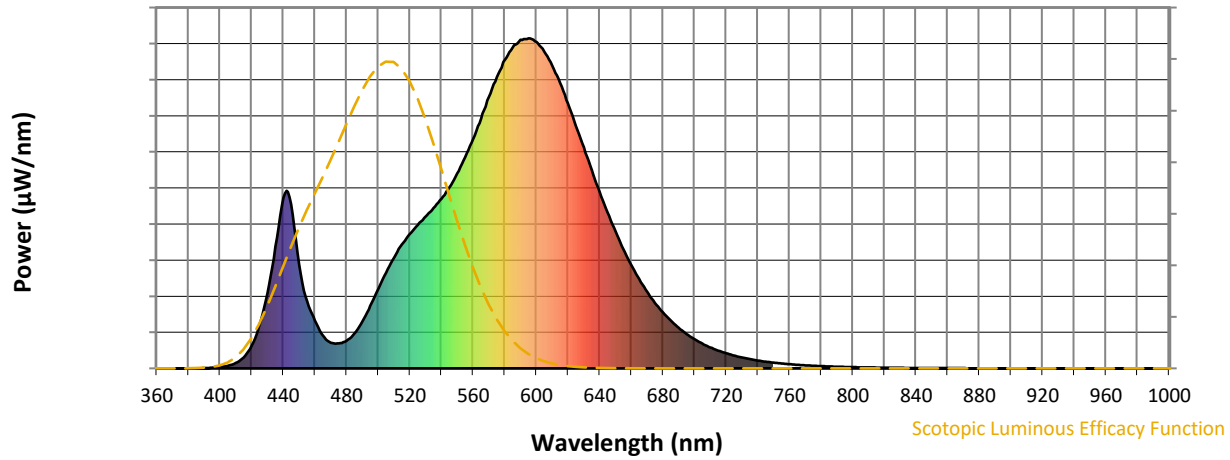


Photopic Lumens: NR

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	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



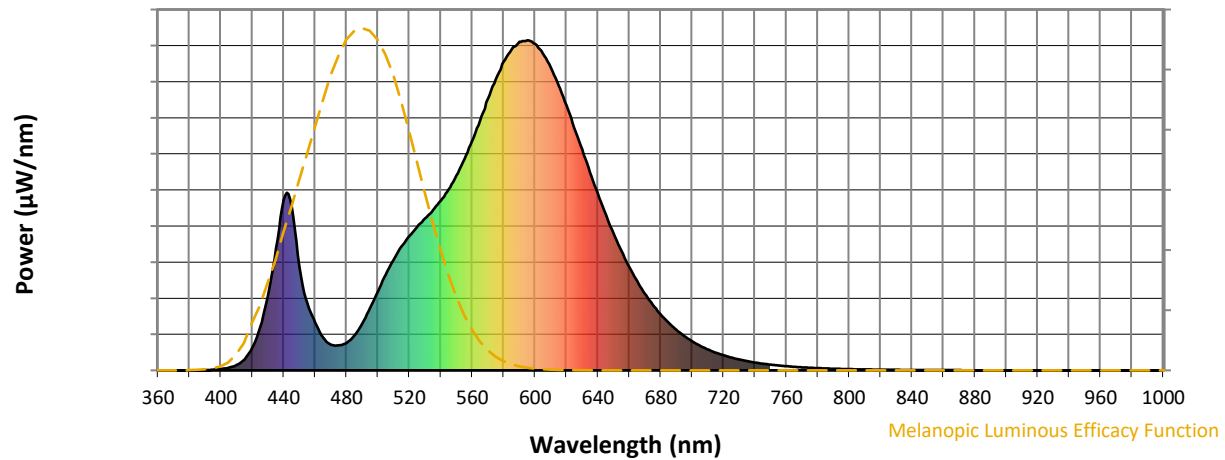
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

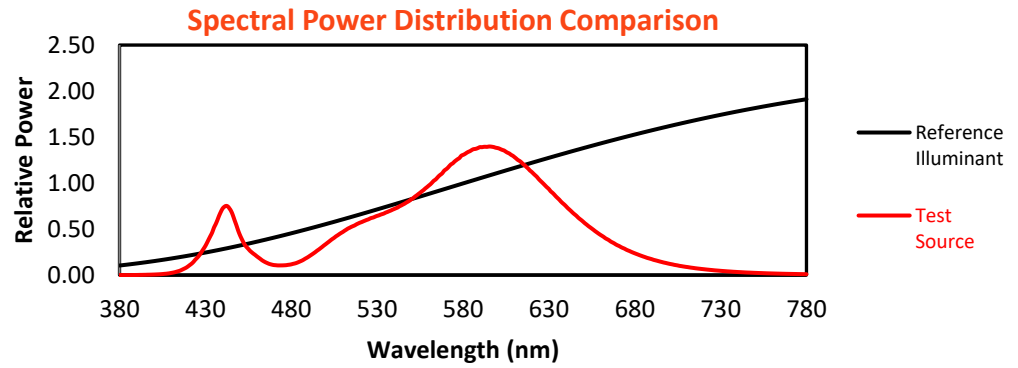
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	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

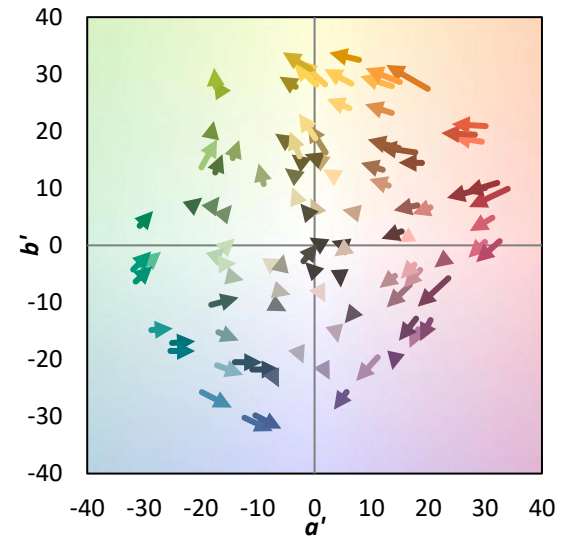
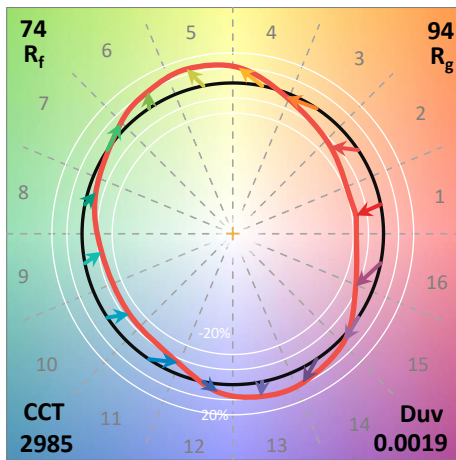
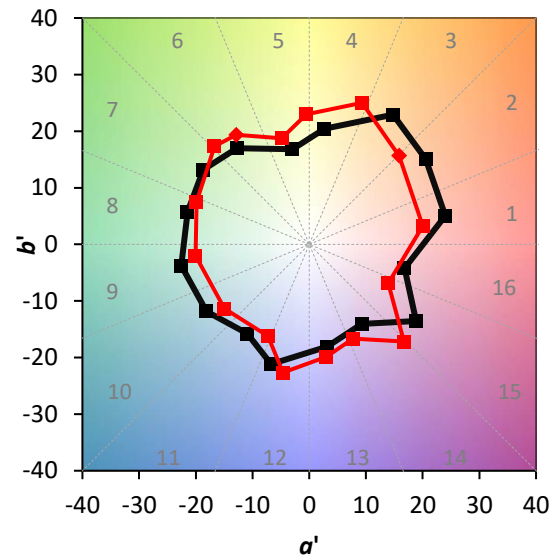
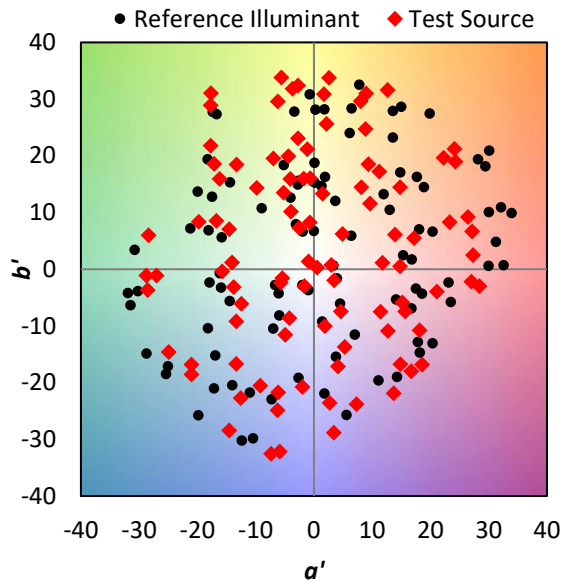
TM-30-18

Summary

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

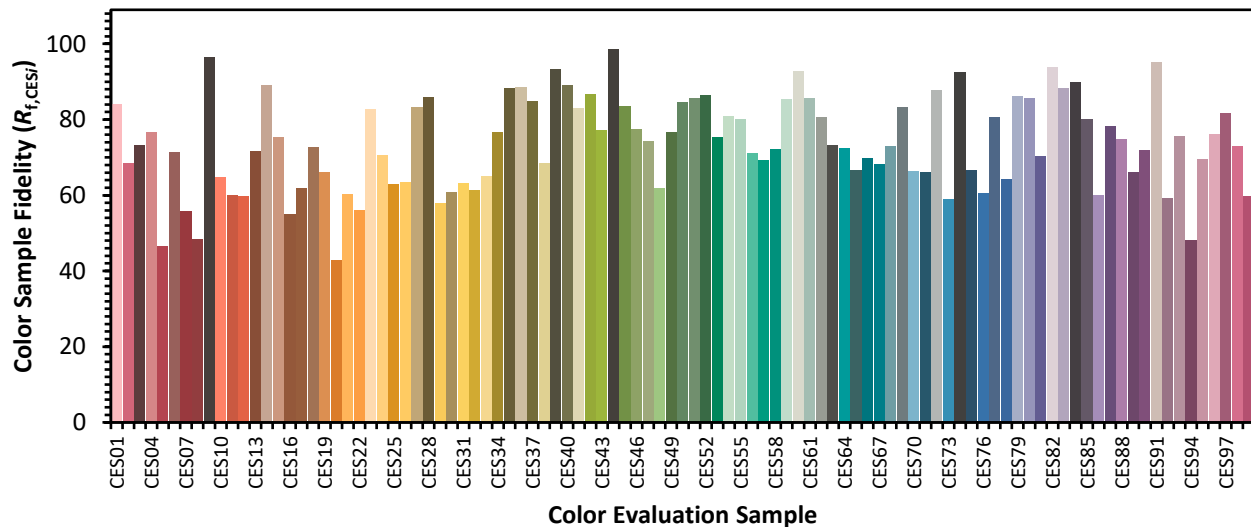


Color Vector Graphics

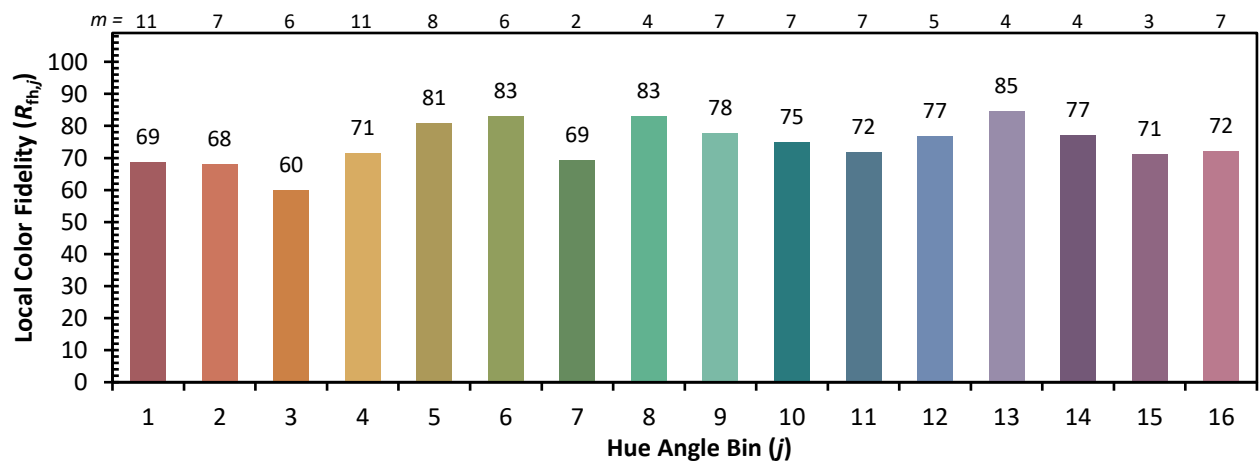
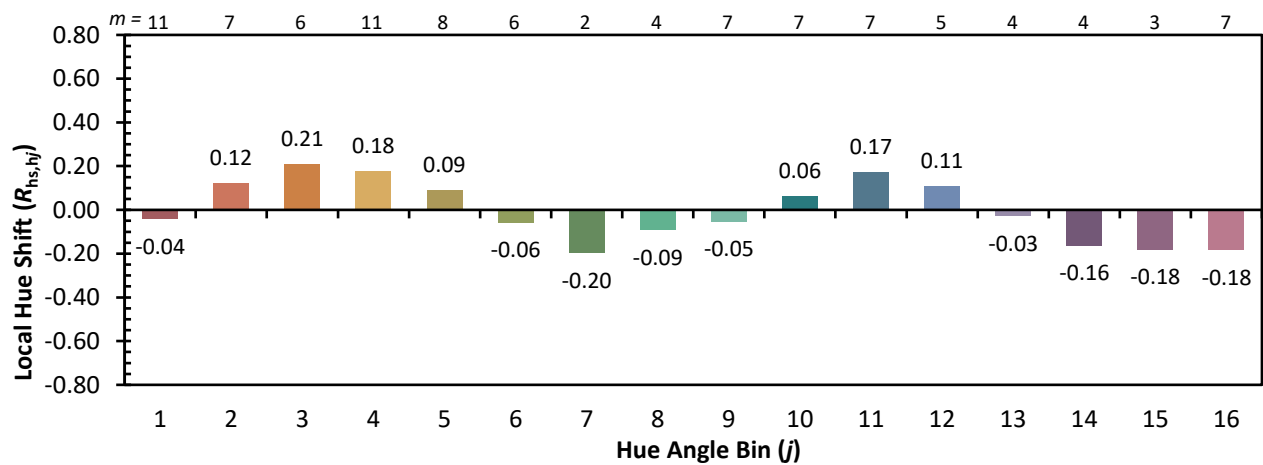
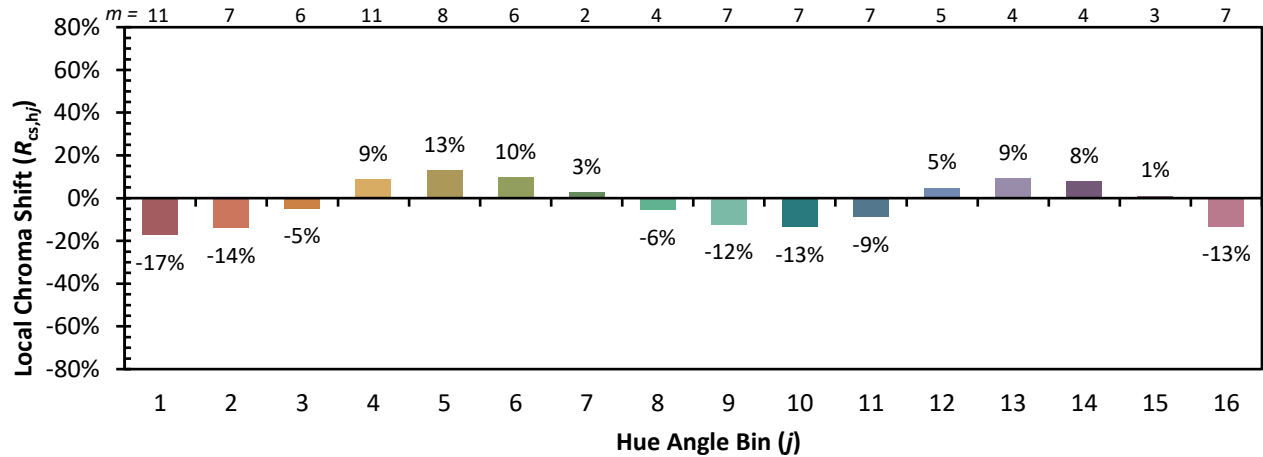


Individual Sample Fidelity Index ($R_{f,i}$)

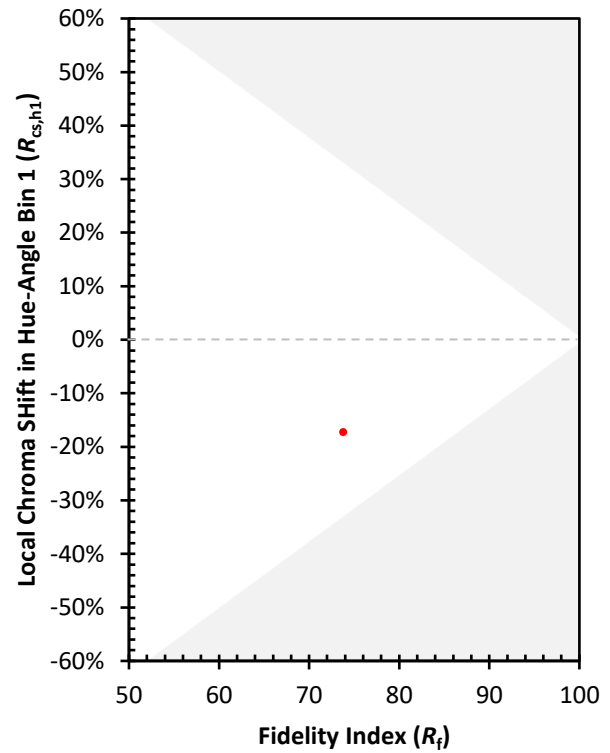
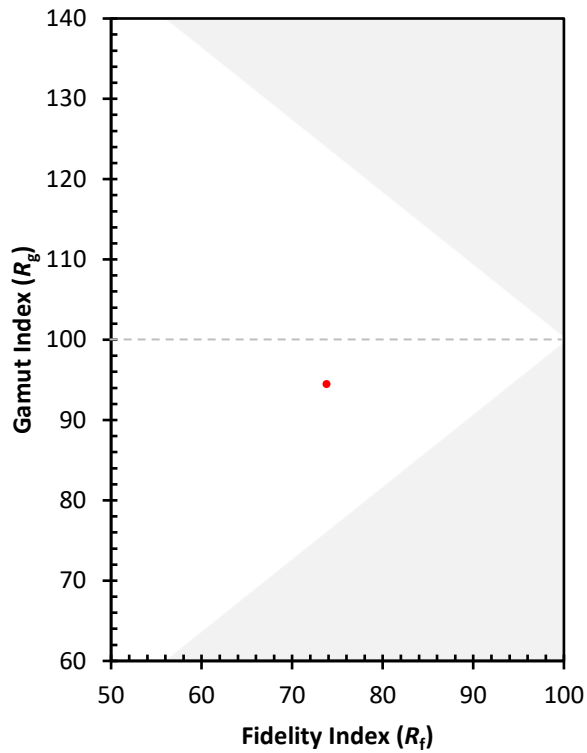
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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)