

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: P1057688

Luminaire Tested: **GAP-SA1A-750-U-RBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057688
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA1A-750-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 1xLight Square PACKAGE 70CRI
5000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3235.4 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

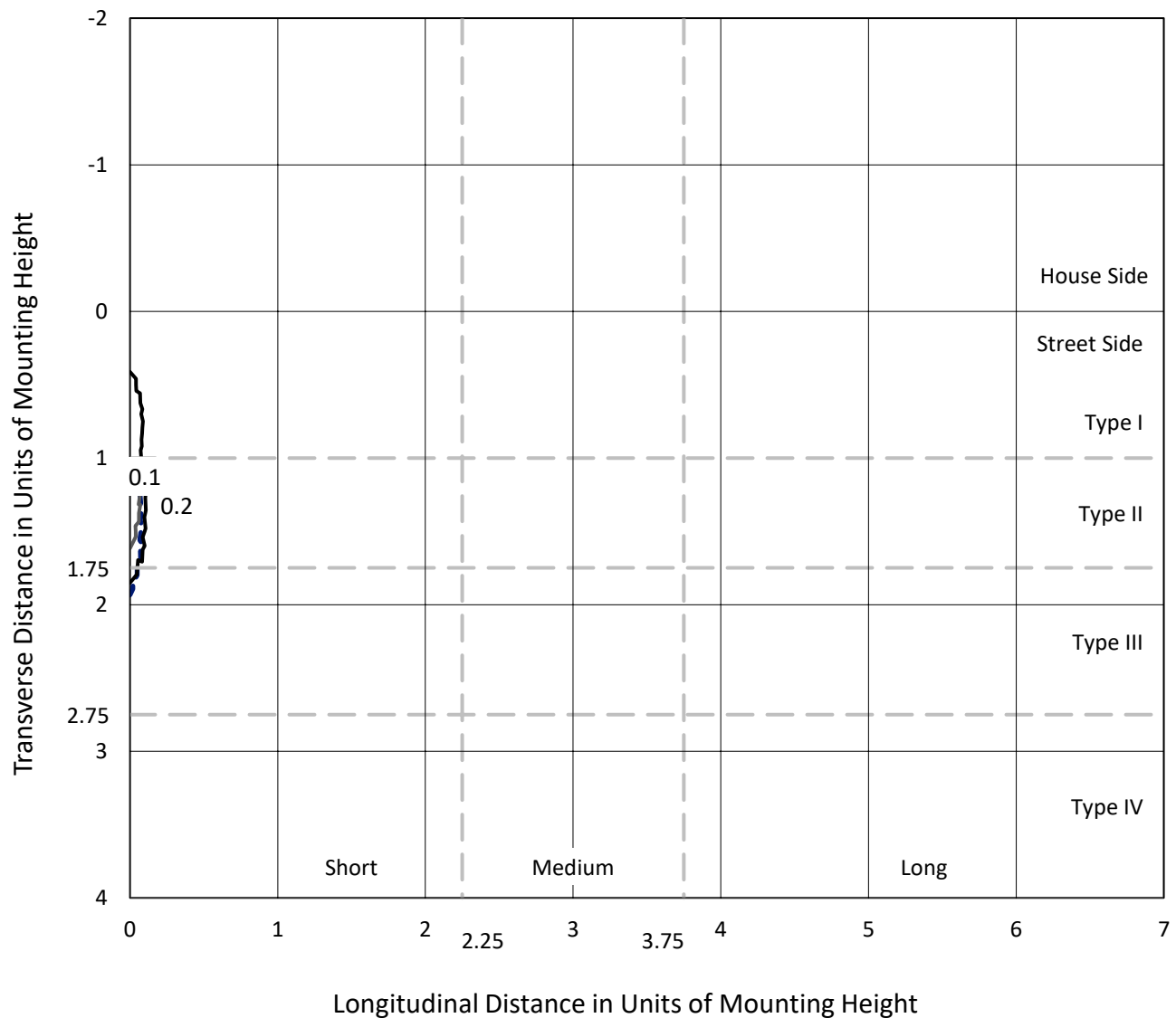


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

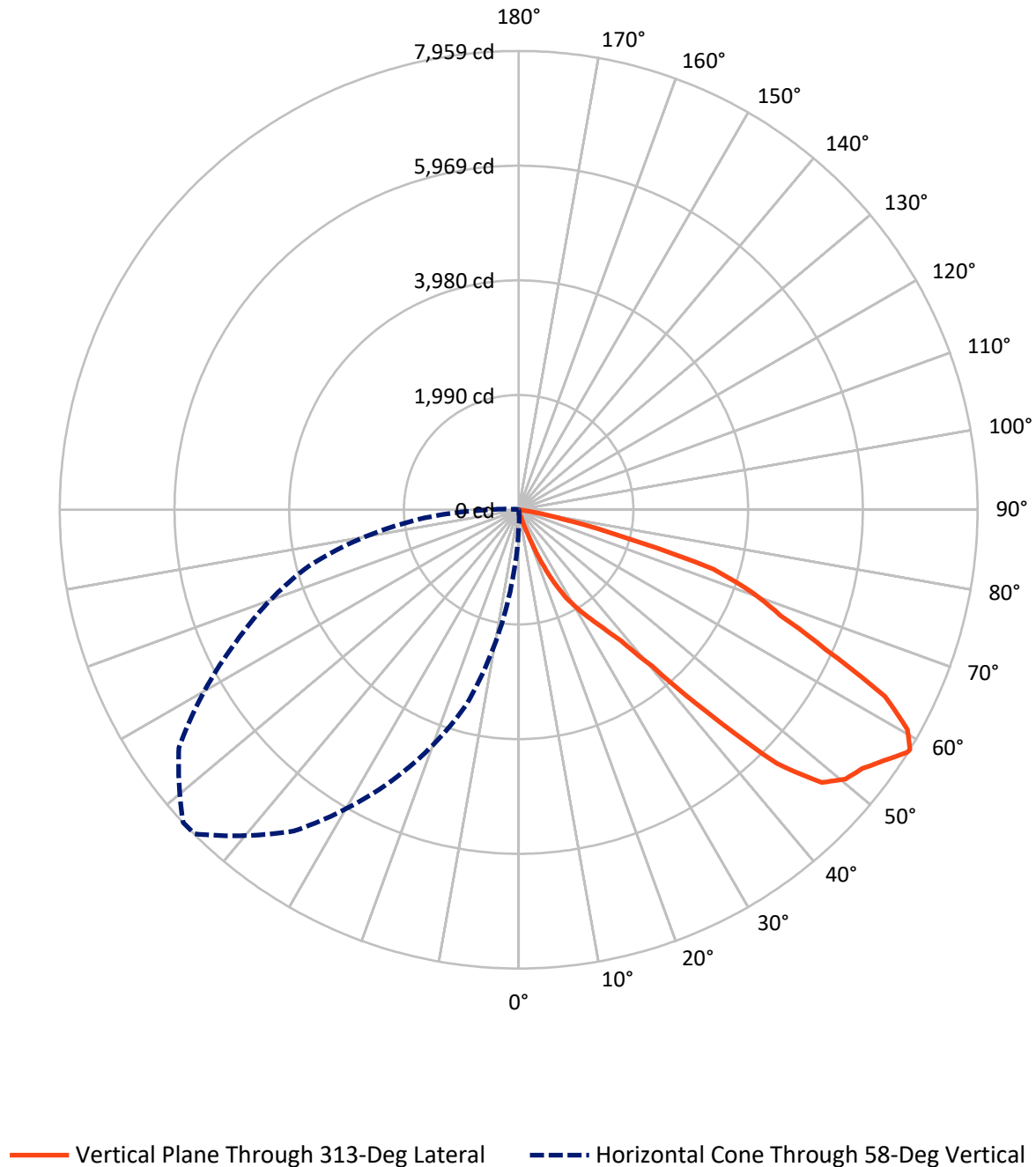


Based on 15 foot mounting height. Maximum calculated value = 0.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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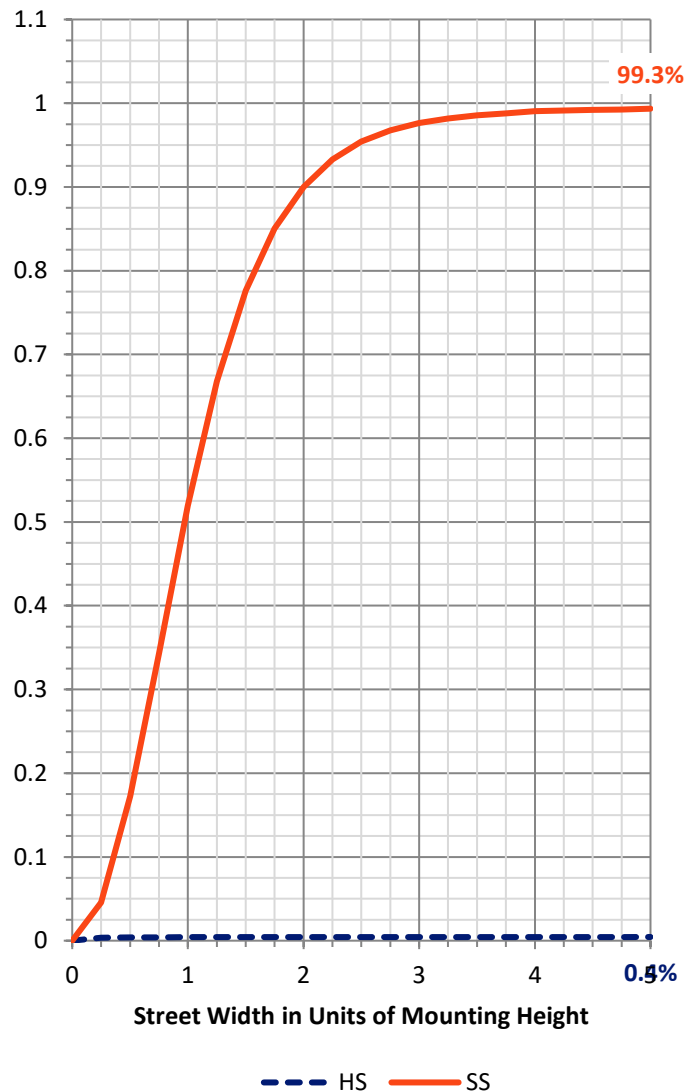
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14.5	0.0	14.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3220.9	0.0	3220.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	3235.4	0.0	3235.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	5.6	0.2
20°-30°	81.7	2.5
30°-40°	234.9	7.3
40°-50°	669.1	20.7
50°-60°	1052.5	32.5
60°-70°	897.5	27.7
70°-80°	286.3	8.8
80°-90°	7.3	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°	3235.4	100.0
0°-180°	3235.4	100.0



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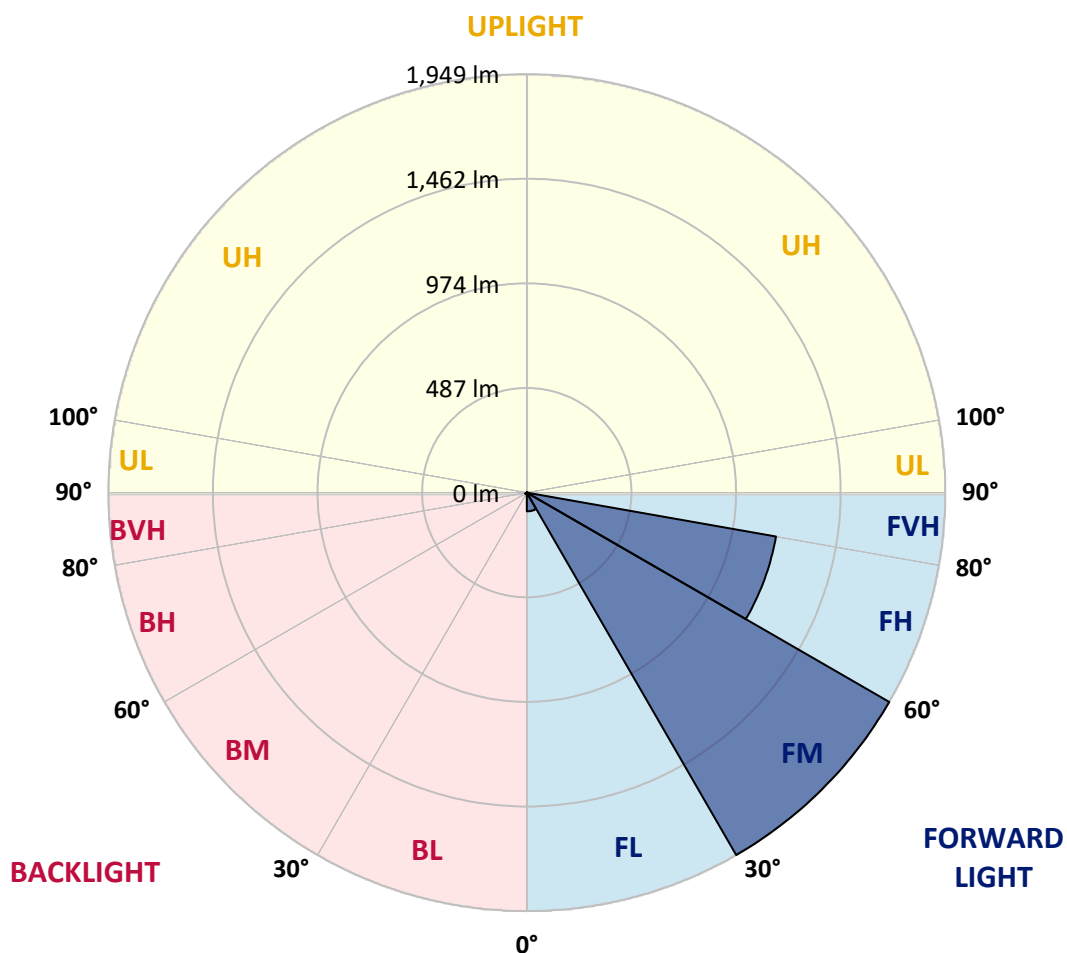
CATALOG NUMBER: GAP-SA1A-750-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.2	2.7			
FM	(30°-60°)	1948.7	60.2			
FH	(60°-80°)	1178.1	36.4			G1/1800
FVH	(80°-90°)	6.9	0.2			G0/10
BL	(0°-30°)	0.6	0.0	B0/110		
BM	(30°-60°)	7.7	0.2	B0/220		
BH	(60°-80°)	5.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	11.7	12.3	12.9	12.3	11.0	8.4	8.4	6.5	4.5	2.6	1.9
5°	12.9	12.9	12.9	12.3	11.0	8.4	7.8	5.8	3.9	2.6	1.3
7.5°	14.2	14.2	13.6	12.3	10.4	8.4	7.8	5.8	3.9	1.9	0.0
10°	15.5	15.5	14.2	12.9	10.4	7.8	7.1	5.2	3.2	1.3	0.0
12.5°	17.5	16.8	14.9	12.9	10.4	7.1	7.1	5.2	2.6	0.6	0.0
15°	20.1	18.1	15.5	12.9	9.7	7.1	6.5	4.5	1.9	0.0	0.0
17.5°	22.0	20.1	16.2	12.3	9.1	6.5	5.8	3.9	1.9	0.0	0.0
20°	24.0	20.7	16.2	12.3	9.1	5.8	5.2	3.2	0.6	0.0	0.0
22.5°	27.2	22.0	16.2	12.3	8.4	5.2	4.5	2.6	0.0	0.0	0.0
25°	33.7	23.3	16.2	11.7	7.8	4.5	3.9	1.3	0.0	0.0	0.0
27.5°	41.4	25.3	16.2	11.0	7.1	3.9	3.2	0.6	0.0	0.0	0.0
30°	49.9	27.2	16.2	11.0	6.5	3.2	2.6	0.0	0.0	0.0	0.0
32.5°	58.9	29.8	16.2	10.4	5.8	2.6	1.9	0.0	0.0	0.0	0.0
35°	75.8	33.7	16.2	10.4	5.2	1.9	1.3	0.0	0.0	0.0	0.0
37.5°	83.5	38.8	16.2	9.7	5.2	1.3	0.6	0.0	0.0	0.0	0.0
40°	86.8	37.6	15.5	9.7	4.5	0.6	0.0	0.0	0.0	0.0	0.0
42.5°	93.9	35.0	16.2	9.1	4.5	0.6	0.0	0.0	0.0	0.0	0.0
45°	114.6	35.0	17.5	9.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0
47.5°	198.8	36.3	16.8	9.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0
50°	327.0	42.7	16.2	9.7	4.5	0.6	0.0	0.0	0.0	0.0	0.0
52.5°	379.4	51.8	16.2	10.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0
55°	363.9	63.5	16.2	11.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	330.9	60.2	17.5	12.9	9.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	318.6	60.2	17.5	12.9	9.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	249.9	61.5	20.1	14.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	185.8	62.8	22.7	16.2	9.7	0.6	0.0	0.0	0.0	0.0	0.0
65°	137.9	65.4	24.0	18.8	9.1	1.3	0.0	0.0	0.0	0.0	0.0
67.5°	110.1	67.3	25.9	20.7	10.4	2.6	0.6	0.0	0.0	0.0	0.0
70°	94.5	64.7	27.8	21.4	9.7	3.9	1.9	0.0	0.0	0.0	0.0
72.5°	84.2	60.9	31.7	20.7	10.4	3.9	1.9	0.0	0.0	0.0	0.0
75°	75.8	55.7	36.3	20.1	10.4	3.9	2.6	0.0	0.0	0.0	0.0
77.5°	57.0	48.6	35.6	19.4	9.7	3.9	2.6	0.0	0.0	0.0	0.0
80°	28.5	32.4	31.1	17.5	7.8	3.2	2.6	0.6	0.0	0.0	0.0
82.5°	11.7	12.3	15.5	12.9	6.5	2.6	2.6	0.6	0.0	0.0	0.0
85°	1.3	2.6	4.5	5.2	4.5	2.6	2.6	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	2.6	3.9	3.2	1.9	1.3	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	0.6	1.3	1.3	1.3	1.9	1.9	2.6	3.2	3.2	3.2	3.9
5°	0.0	0.0	0.6	0.6	1.3	1.9	2.6	3.9	4.5	4.5	5.2
7.5°	0.0	0.0	0.0	0.6	1.3	1.9	2.6	3.9	5.2	5.8	6.5
10°	0.0	0.0	0.0	0.0	0.6	1.3	2.6	4.5	6.5	7.8	9.1
12.5°	0.0	0.0	0.0	0.0	0.0	0.6	2.6	5.2	7.8	9.7	11.0
15°	0.0	0.0	0.0	0.0	0.0	0.6	2.6	5.2	9.7	11.7	14.2
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.8	11.0	14.2	19.4
20°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8	12.3	17.5	29.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8	13.6	22.7	53.7
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.8	15.5	33.7	89.4
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.5	18.8	47.3	130.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.5	23.3	64.1	182.6
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.5	27.2	80.9	248.6
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	32.4	107.5	312.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	40.1	118.5	365.8
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	38.2	128.9	427.3
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	35.0	143.7	523.8
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	35.0	190.4	737.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	42.7	296.6	1127.3
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	55.0	455.2	1605.1
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	66.7	560.1	1882.3
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	80.3	560.7	1873.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	89.4	501.8	1690.6
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	88.7	485.6	1640.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.5	77.7	421.5	1431.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	10.4	68.0	302.4	1186.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	11.7	62.2	219.5	891.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	13.6	59.6	155.4	619.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	15.5	55.0	111.4	407.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	19.4	51.8	87.4	246.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	24.6	45.3	71.2	132.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.8	26.5	37.6	51.8	80.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	24.0	27.2	22.7	27.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	14.2	5.8	5.8	9.1
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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CATALOG NUMBER: GAP-SA1A-750-U-RBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	4.5	4.5	4.5	4.5	5.2	5.2	7.1	9.1	11.0	11.7
5°	5.8	6.5	7.1	7.1	7.1	7.8	9.1	10.4	12.3	12.9
7.5°	8.4	9.1	10.4	10.4	10.4	11.0	11.7	12.9	14.2	14.2
10°	11.0	12.9	13.6	14.2	14.9	14.9	14.9	15.5	16.2	15.5
12.5°	14.9	17.5	20.7	21.4	21.4	21.4	20.7	19.4	18.1	17.5
15°	20.7	28.5	38.8	42.7	40.8	36.3	31.7	24.6	21.4	20.1
17.5°	38.2	77.7	141.2	156.0	152.8	131.4	77.1	37.6	25.3	22.0
20°	103.0	251.2	414.4	453.9	474.6	393.0	227.3	87.4	31.1	24.0
22.5°	222.1	521.9	808.7	911.0	917.5	738.1	442.2	177.4	44.7	27.2
25°	357.4	834.6	1225.7	1324.8	1326.7	1137.6	707.1	287.5	68.0	33.7
27.5°	547.8	1170.0	1607.7	1690.0	1688.7	1497.0	1021.7	439.0	95.2	41.4
30°	742.7	1431.6	1859.6	1961.9	1971.6	1742.4	1284.6	618.4	124.3	49.9
32.5°	935.6	1625.2	2089.5	2225.4	2217.0	1959.3	1467.9	765.3	174.2	58.9
35°	1087.8	1790.3	2343.9	2511.0	2517.5	2197.6	1630.4	907.8	216.9	75.8
37.5°	1217.9	2003.3	2682.6	2875.5	2883.9	2494.1	1800.7	1047.6	253.8	83.5
40°	1378.5	2353.0	3243.3	3570.9	3572.2	3047.1	2106.9	1204.3	303.7	86.8
42.5°	1739.2	3102.1	4338.9	4809.6	4850.4	4194.5	2803.0	1544.3	382.0	93.9
45°	2460.5	4089.6	5736.2	6278.1	6329.9	5622.2	3996.3	2329.0	554.3	114.6
47.5°	3318.4	4948.2	6548.1	7070.0	7104.3	6297.5	4795.3	3236.8	943.4	198.8
50°	3846.1	5266.1	6846.6	7344.5	7350.4	6519.6	5045.9	3708.2	1344.2	327.0
52.5°	4009.9	5306.9	6858.3	7460.4	7477.3	6493.7	5080.2	3803.4	1511.3	379.4
55°	3943.2	5282.9	6981.3	7681.9	7700.0	6599.3	5056.9	3699.1	1432.9	363.9
57.5°	3791.1	5376.1	7183.3	7944.8	7944.8	6794.2	5143.0	3524.3	1241.2	330.9
58°	3768.4	5399.5	7194.3	7959.0	7953.2	6806.5	5178.7	3499.1	1199.2	318.6
60°	3737.3	5471.3	7112.7	7748.6	7731.7	6719.7	5243.4	3476.4	995.2	249.9
62.5°	3692.0	5309.5	6518.3	7129.6	7086.2	6111.7	5057.6	3343.7	742.7	185.8
65°	3459.6	4711.8	5433.8	5857.2	5843.6	5027.8	4353.1	2995.3	534.8	137.9
67.5°	2916.3	3688.8	4389.4	4899.6	4902.8	4104.5	3404.5	2393.8	363.9	110.1
70°	2051.3	2720.8	3731.5	4299.4	4325.3	3442.7	2522.0	1595.4	240.2	94.5
72.5°	1225.1	2055.1	3102.8	3534.0	3520.4	2856.7	1871.3	951.2	146.3	84.2
75°	593.8	1228.3	1568.2	1818.8	1808.5	1429.0	997.1	466.2	106.8	75.8
77.5°	161.2	377.5	607.3	789.9	811.3	572.4	327.0	125.0	66.7	57.0
80°	54.4	116.5	198.1	269.4	276.5	247.3	123.0	44.0	29.1	28.5
82.5°	20.7	28.5	36.3	32.4	32.4	33.7	26.5	18.8	13.6	11.7
85°	0.0	0.0	0.6	1.3	1.3	1.9	1.9	1.9	1.3	1.3
87.5°	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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-6

Test Date: 10/10/2024

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

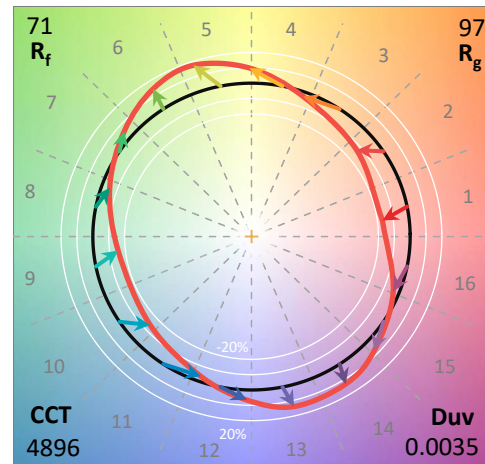
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

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



Test Conditions

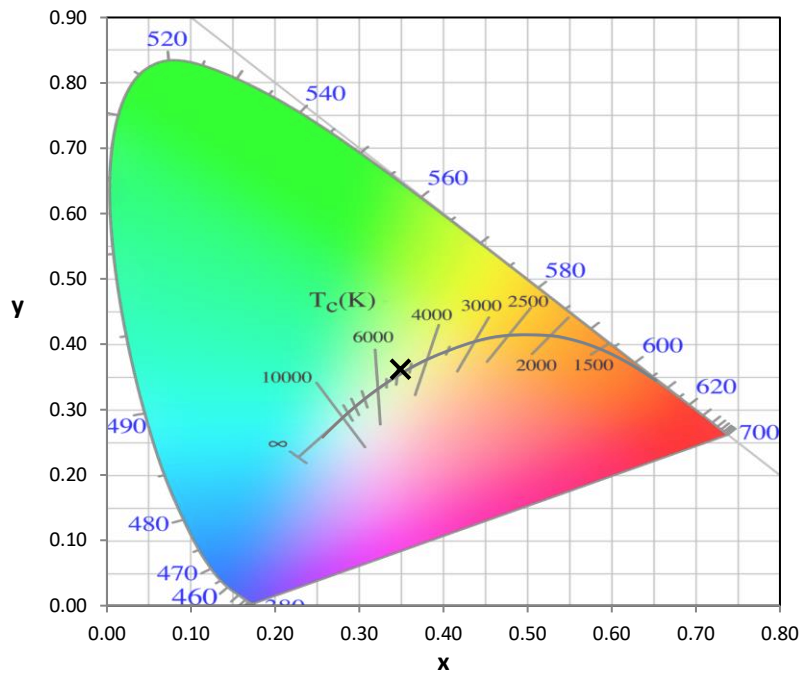
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

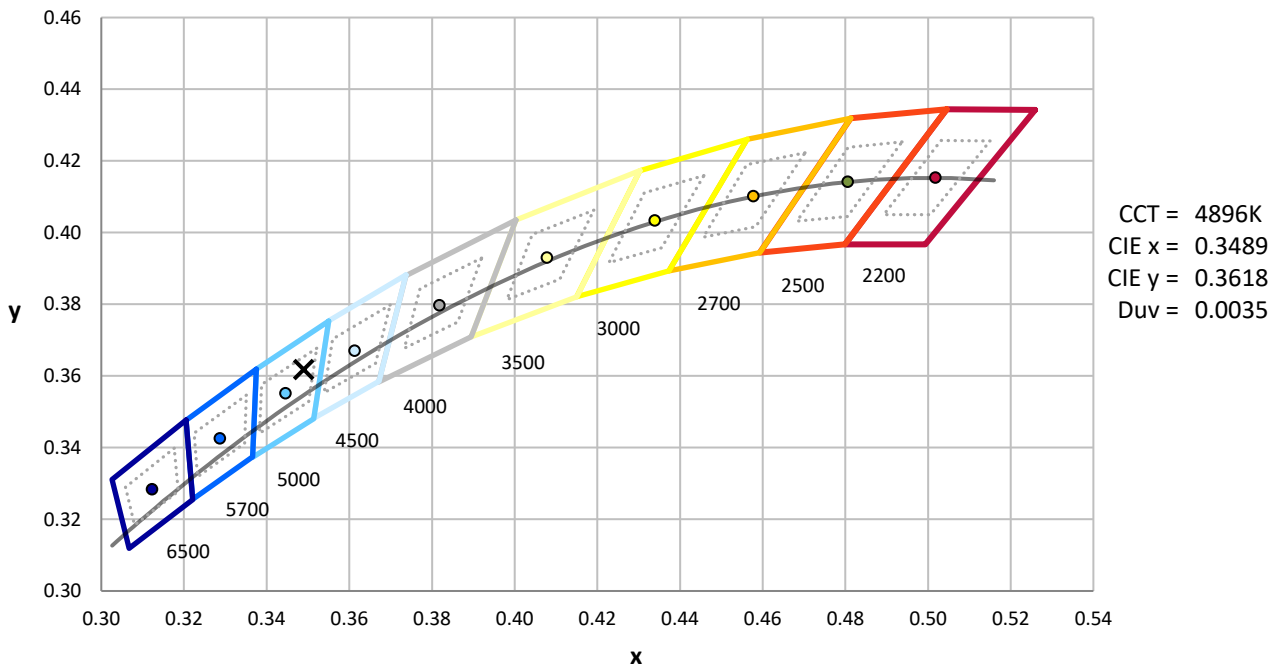
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



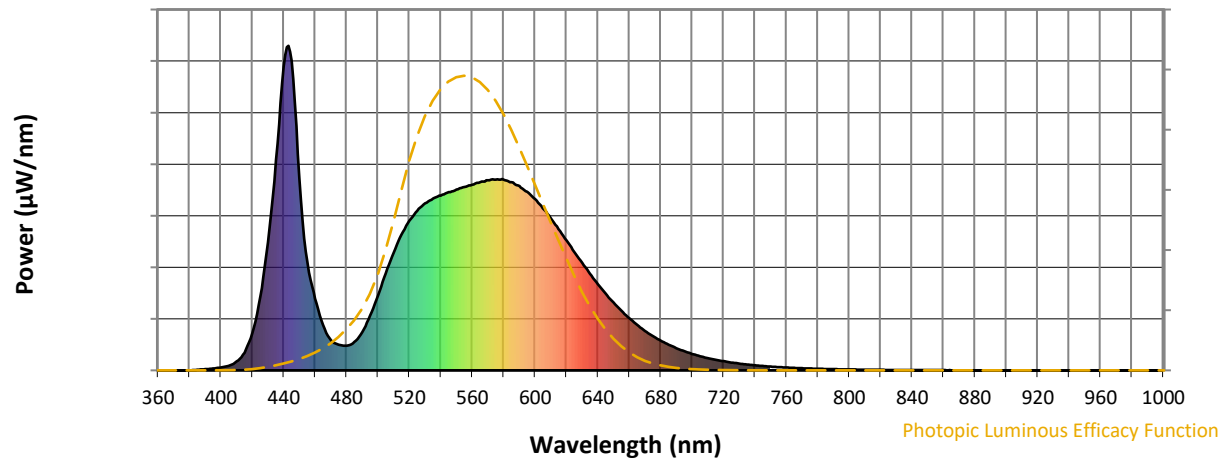
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

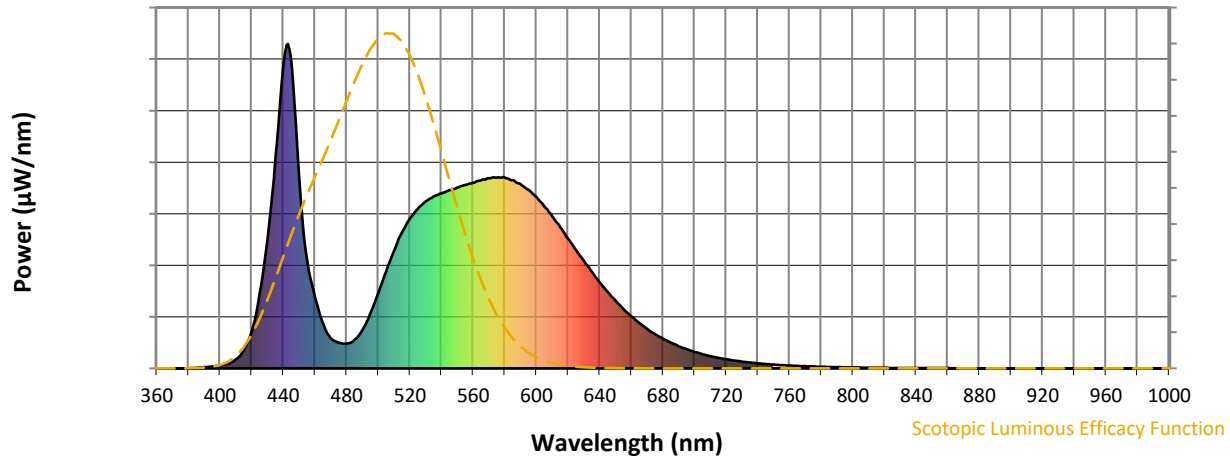


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



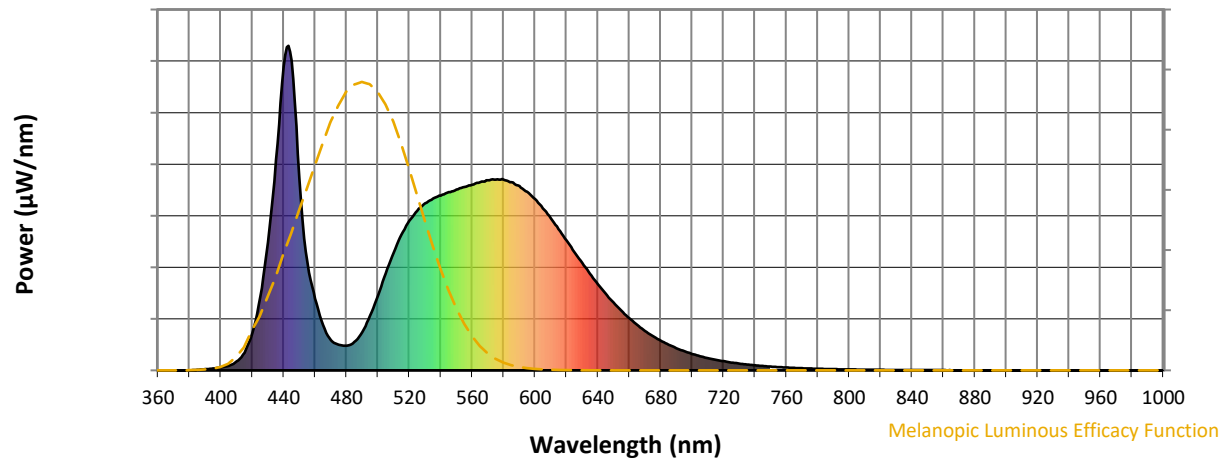
Scotopic Lumens: NR

S/P: 1.7

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

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

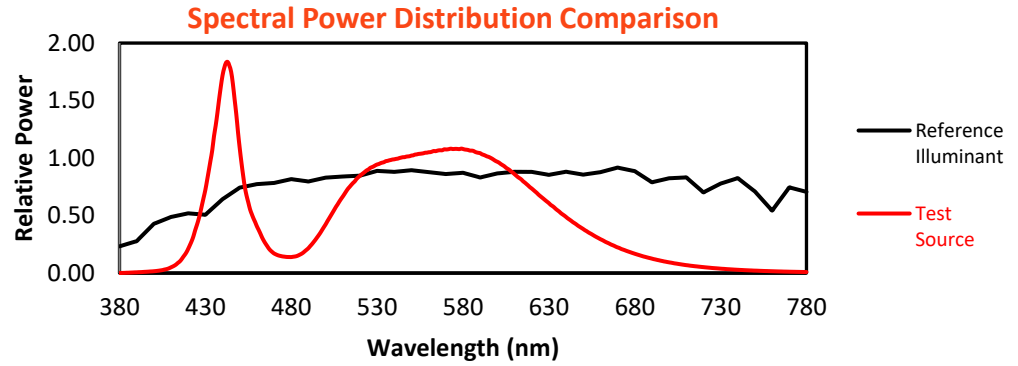
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630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

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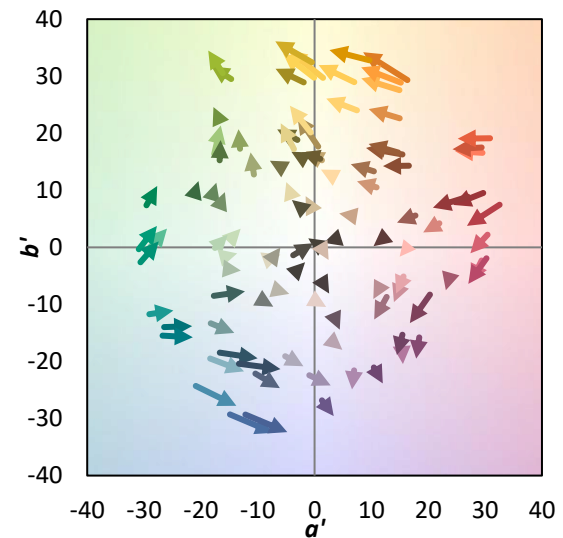
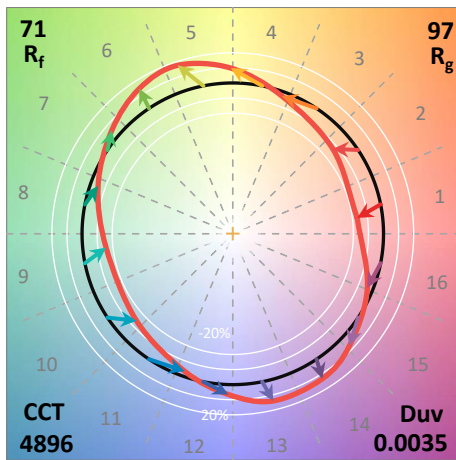
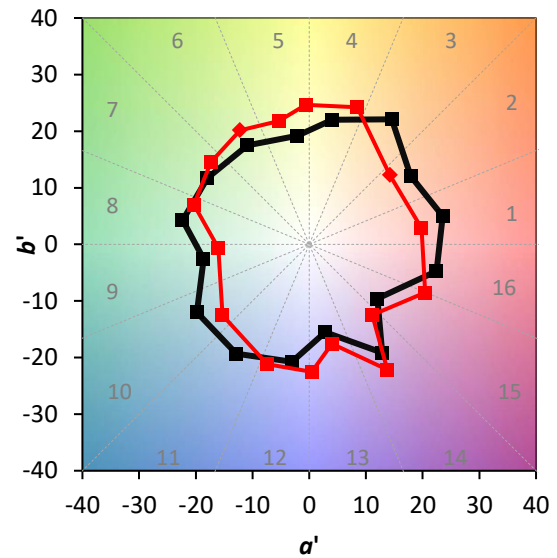
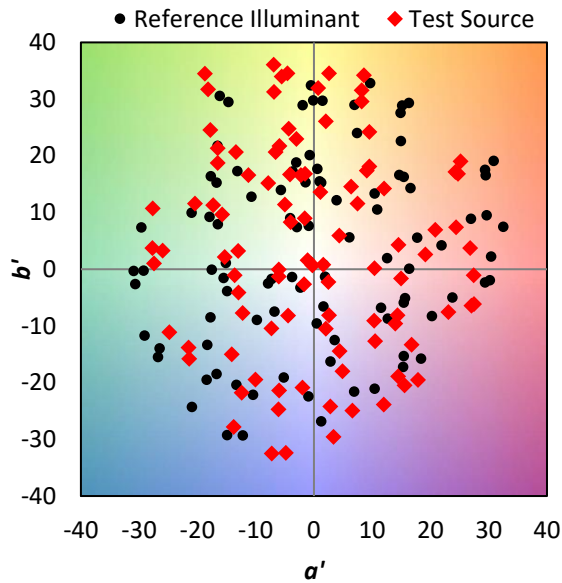
TM-30-18

Summary

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

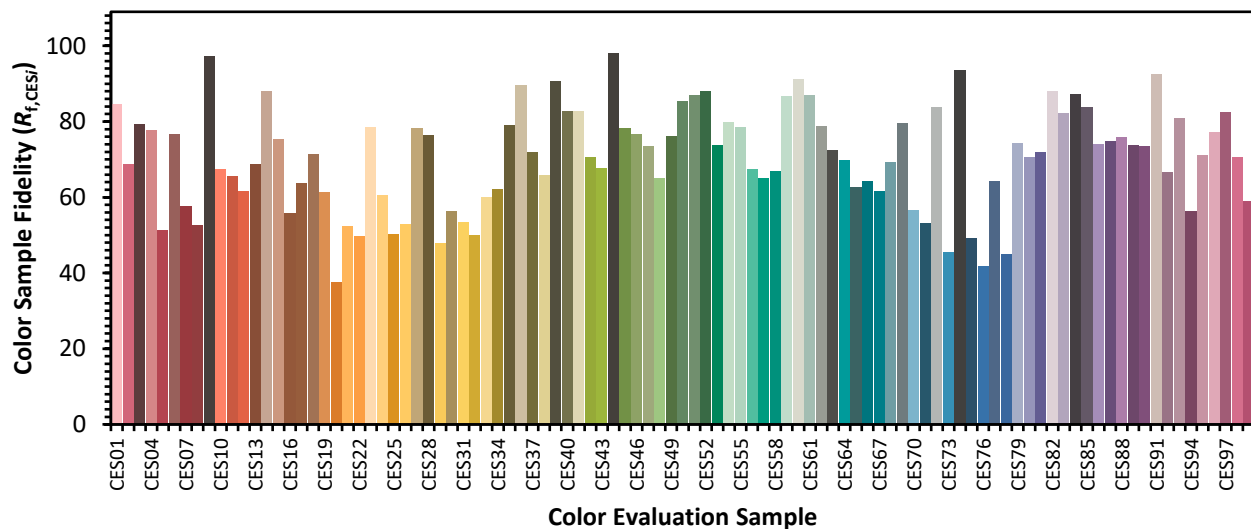


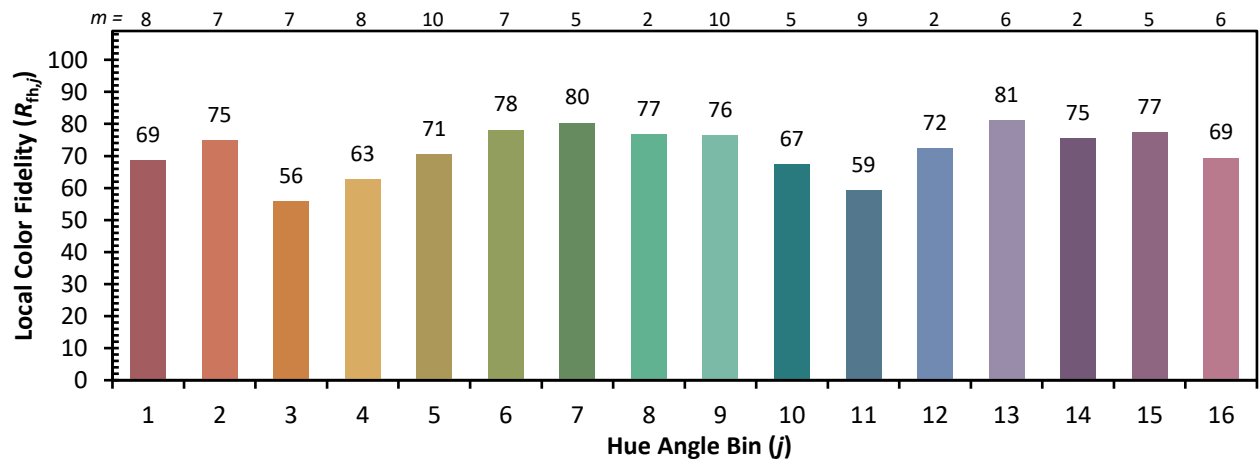
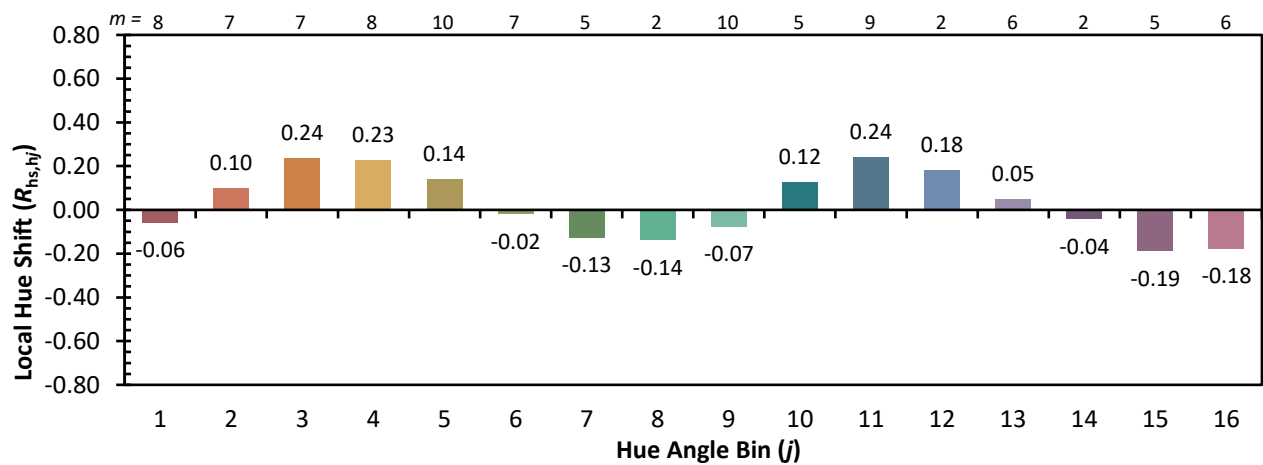
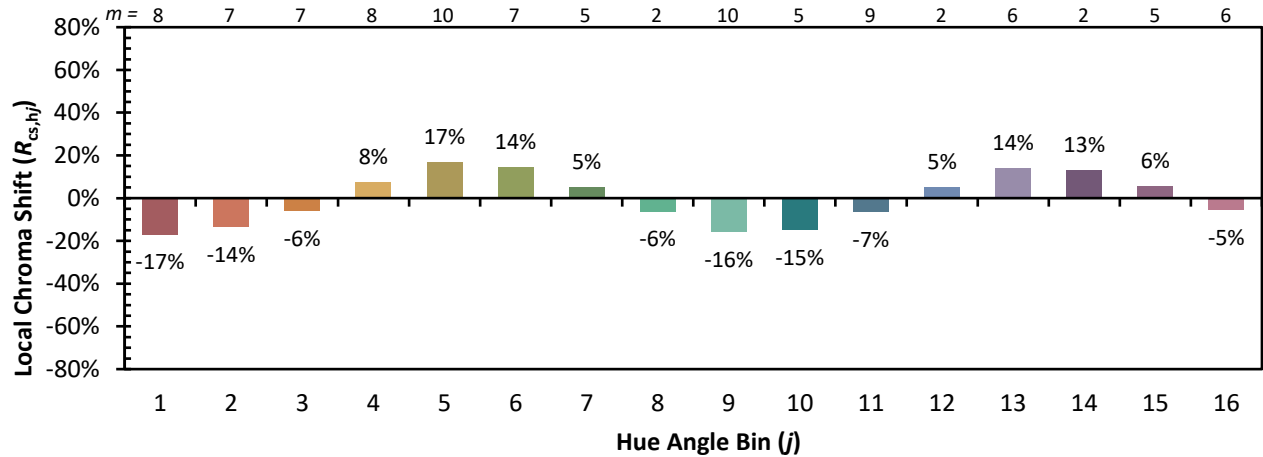
Color Vector Graphics



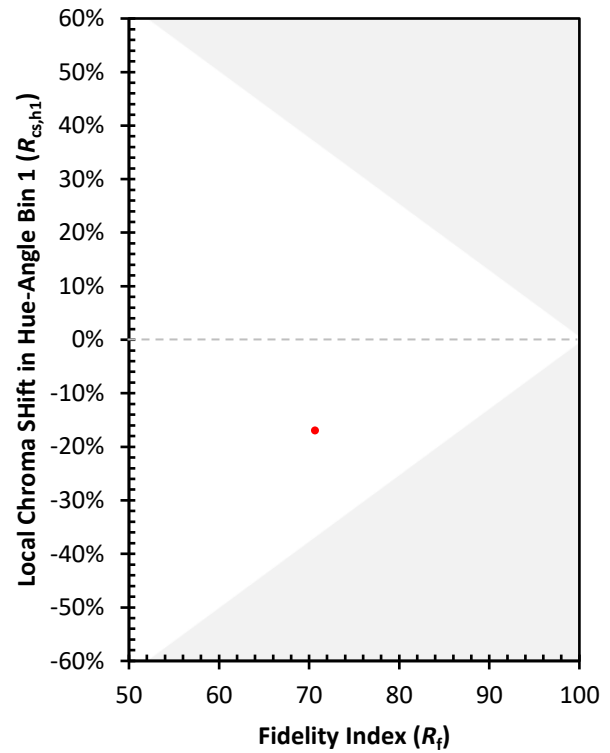
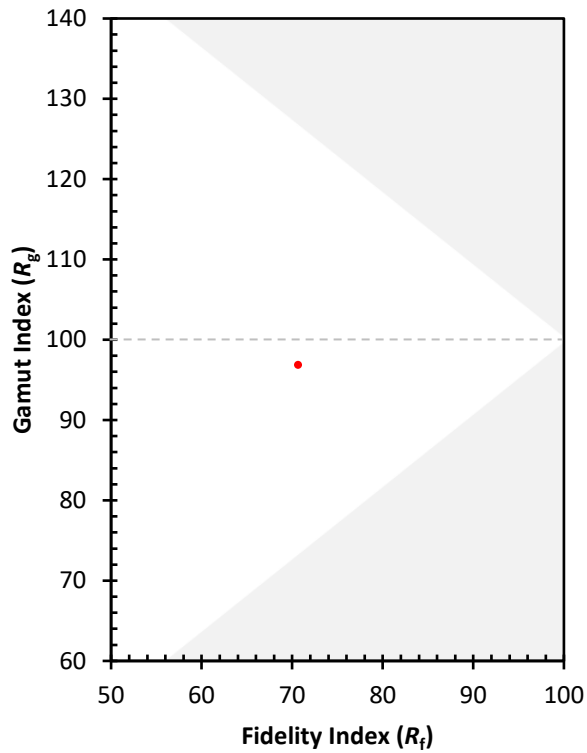
Individual Sample Fidelity Index ($R_{f,i}$)

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



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)