

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P1357377

Luminaire Tested: 6ASL4-5-1-35-UNV

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-6)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 6ASL4-5-1-35-UNV
Description: 6FT 500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS 1 ROW
Light Source: -
Ballast/Driver: -

Summary

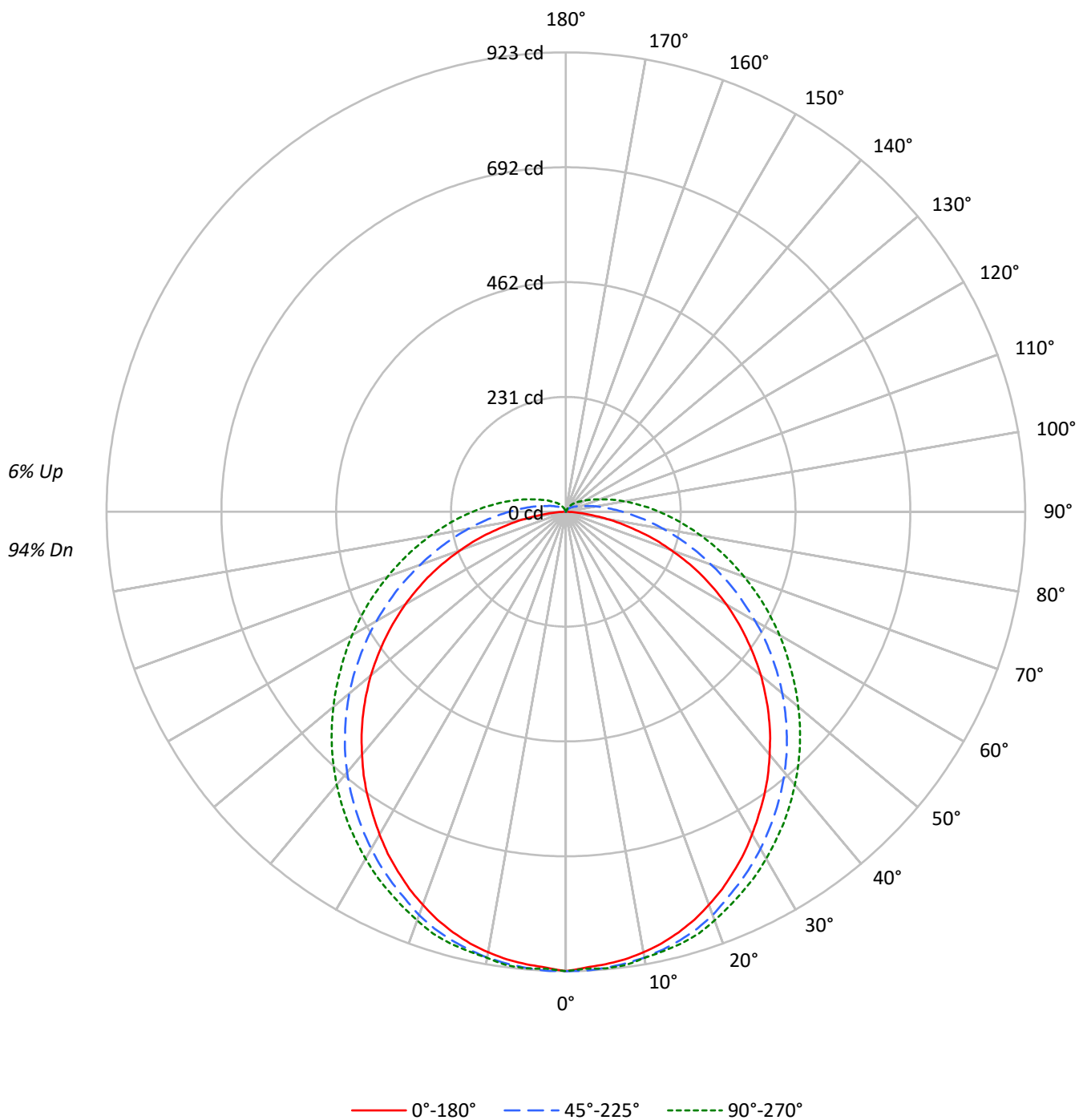
Lumens per Lamp: N/A
Luminaire Lumens: 3090.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 5.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 25.8
Input Voltage (V): NR
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: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108		102	102	102		96
1	106	100	95	91	102	97	93	89	92	88	85		87	84	81		82
2	95	86	79	73	92	84	77	71	79	74	69		75	70	66		71
3	87	76	67	60	84	73	65	59	69	63	57		66	60	55		62
4	79	67	57	50	76	65	56	50	62	54	48		58	52	47		56
5	73	59	50	43	70	58	49	43	55	47	42		52	46	41		50
6	67	53	44	38	65	52	43	37	50	42	36		47	41	35		45
7	62	48	39	33	60	47	39	33	45	37	32		43	36	31		41
8	58	44	35	29	56	43	35	29	41	34	29		39	33	28		38
9	54	40	32	26	52	39	32	26	38	31	26		36	30	25		35
10	51	37	29	24	49	36	29	24	35	28	23		34	27	23		32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4985	4985	4985
5°	4939	4887	4860
10°	4915	4790	4732
15°	4869	4687	4633
20°	4800	4569	4510
25°	4715	4427	4377
30°	4622	4298	4253
35°	4529	4165	4128
40°	4426	4032	4000
45°	4326	3886	3870
50°	4211	3734	3733
55°	4067	3562	3596
60°	3908	3382	3475
65°	3704	3192	3355
70°	3383	2994	3238
75°	2966	2819	3148
80°	2395	2670	3092
85°	1457	2576	3113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	2.8
10°-20°	250.9	8.1
20°-30°	379.3	12.3
30°-40°	458.5	14.8
40°-50°	482.1	15.6
50°-60°	449.1	14.5
60°-70°	369.0	11.9
70°-80°	261.9	8.5
80°-90°	157.9	5.1
90°-100°	88.4	2.9
100°-110°	49.0	1.6
110°-120°	27.3	0.9
120°-130°	15.7	0.5
130°-140°	8.6	0.3
140°-150°	3.8	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	717.6	23.2
0°-40°	1176.2	38.1
0°-60°	2107.4	68.2
0°-90°	2896.2	93.7
90°-120°	164.7	5.3
90°-150°	192.9	6.2
90°-180°	194.0	6.3
0°-180°	3090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	912	921	920	919	921	87
15°	875	886	891	895	898	247
25°	798	812	824	835	842	368
35°	695	713	735	754	763	435
45°	576	597	628	654	665	444
55°	443	468	504	538	552	396
65°	301	328	375	419	438	297
75°	151	190	253	305	327	162
85°	28	81	152	209	230	35
90°	0	48	114	167	187	1
95°	0	28	84	132	150	0
105°	0	10	44	79	94	0
115°	0	5	27	48	57	0
125°	0	3	17	31	36	0
135°	0	1	10	20	25	0
145°	1	0	4	12	15	1
155°	1	1	0	3	4	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	923.0	923.0	923.0	923.0	923.0
2.5°	916.7	925.0	923.0	918.8	918.8
5°	912.5	920.9	919.8	918.8	920.9
7.5°	907.3	915.6	915.6	916.7	918.8
10°	898.9	909.4	909.4	909.4	910.4
12.5°	888.5	898.9	901.0	902.1	904.2
15°	874.9	886.4	890.6	894.8	897.9
17.5°	859.3	870.8	878.1	883.3	888.5
20°	840.5	853.0	862.4	868.7	873.9
22.5°	820.6	833.2	842.6	852.0	858.2
25°	797.7	812.3	823.8	835.3	841.5
27.5°	774.7	789.3	803.9	817.5	824.8
30°	748.6	765.3	782.0	797.7	805.0
32.5°	721.5	739.2	759.0	775.7	784.1
35°	695.3	713.1	735.0	753.8	763.2
37.5°	667.2	684.9	710.0	730.8	740.2
40°	636.9	656.7	683.9	705.8	716.2
42.5°	607.6	627.5	656.7	680.7	691.2
45°	576.3	597.2	627.5	653.6	665.1
47.5°	544.0	565.9	598.3	625.4	637.9
50°	511.6	534.6	568.0	597.2	609.7
52.5°	477.1	501.2	536.7	568.0	581.5
55°	442.7	467.7	504.3	537.7	552.3
57.5°	408.2	433.3	473.0	508.5	524.1
60°	372.7	398.8	439.6	478.2	495.9
62.5°	336.2	363.3	406.1	447.9	466.7
65°	300.7	327.8	374.8	418.7	438.5
67.5°	263.1	292.3	342.5	388.4	409.3
70°	224.5	257.9	311.1	360.2	381.1
72.5°	190.0	224.5	281.9	332.0	353.9
75°	151.4	190.0	252.7	304.9	326.8
77.5°	118.0	159.7	225.5	278.8	300.7
80°	84.6	130.5	199.4	253.7	275.6
82.5°	54.3	104.4	175.4	230.7	251.6
85°	28.2	81.4	152.4	208.8	229.7
87.5°	8.4	62.6	131.6	186.9	207.8
90°	0.0	48.0	113.8	167.1	186.9
92.5°	0.0	36.5	98.1	149.3	169.1
95°	0.0	28.2	83.5	131.6	150.3
97.5°	0.0	21.9	72.0	115.9	134.7
100°	0.0	17.7	61.6	102.3	120.1
102.5°	0.0	14.6	53.2	90.8	106.5
105°	0.0	10.4	43.9	79.3	94.0
107.5°	0.0	7.3	38.6	70.0	82.5
110°	0.0	6.3	34.5	60.6	73.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	5.2	30.3	54.3	64.7
115°	0.0	5.2	27.1	48.0	57.4
117.5°	0.0	4.2	23.0	42.8	51.2
120°	0.0	4.2	20.9	38.6	45.9
122.5°	0.0	3.1	18.8	34.5	41.8
125°	0.0	3.1	16.7	31.3	36.5
127.5°	0.0	2.1	14.6	28.2	33.4
130°	0.0	2.1	13.6	25.1	30.3
132.5°	0.0	1.0	12.5	23.0	27.1
135°	0.0	1.0	10.4	19.8	25.1
137.5°	0.0	0.0	9.4	17.7	21.9
140°	0.0	0.0	7.3	15.7	19.8
142.5°	1.0	0.0	6.3	13.6	16.7
145°	1.0	0.0	4.2	11.5	14.6
147.5°	1.0	1.0	3.1	9.4	11.5
150°	1.0	1.0	2.1	6.3	9.4
152.5°	1.0	1.0	1.0	4.2	6.3
155°	1.0	1.0	0.0	3.1	4.2
157.5°	1.0	1.0	0.0	1.0	2.1
160°	1.0	1.0	0.0	0.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.00	16.55	15.46	16.99	17.46	17.01	18.56	17.47	19.00	19.47
	3H	16.49	17.90	16.96	18.35	18.86	19.43	20.84	19.90	21.30	21.81
	4H	16.96	18.30	17.45	18.77	19.30	20.61	21.95	21.10	22.42	22.94
	6H	17.24	18.49	17.75	18.97	19.51	21.83	23.08	22.34	23.56	24.10
	8H	17.29	18.49	17.81	19.00	19.54	22.47	23.66	22.98	24.17	24.71
	12H	17.30	18.45	17.83	18.95	19.53	23.17	24.32	23.70	24.82	25.40
4H	2H	15.87	17.21	16.36	17.68	18.20	17.44	18.78	17.93	19.25	19.77
	3H	17.59	18.74	18.10	19.25	19.80	20.09	21.23	20.59	21.74	22.29
	4H	18.19	19.24	18.72	19.76	20.34	21.43	22.47	21.96	23.00	23.58
	6H	18.59	19.51	19.13	20.06	20.65	22.84	23.77	23.39	24.32	24.91
	8H	18.68	19.55	19.23	20.10	20.70	23.58	24.45	24.13	25.00	25.61
	12H	18.72	19.51	19.30	20.09	20.70	24.41	25.20	24.99	25.78	26.39
8H	4H	18.85	19.72	19.40	20.27	20.87	21.64	22.51	22.19	23.06	23.66
	6H	19.42	20.15	20.00	20.75	21.36	23.22	23.96	23.80	24.55	25.16
	8H	19.60	20.26	20.19	20.86	21.49	24.10	24.76	24.69	25.37	25.99
	12H	19.70	20.30	20.30	20.89	21.58	25.11	25.70	25.71	26.29	26.99
12H	4H	19.03	19.82	19.61	20.40	21.01	21.65	22.44	22.22	23.02	23.63
	6H	19.70	20.36	20.29	20.96	21.59	23.26	23.92	23.85	24.52	25.15
	8H	19.97	20.56	20.56	21.15	21.84	24.20	24.79	24.80	25.39	26.08

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

Report Prepared for

Cooper Lighting Solutions

Fail-Safe

Report Number: SP1-2511-597-1

Test Date: 11/17/2025

Luminaire Tested: 4ASL-2-35-UNV-OPL-1_600mA

Data in this report applies to families of products including 4ASL

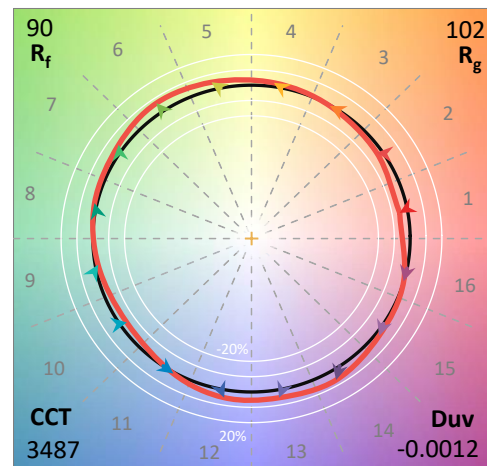
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-597-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 11/18/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Fail-Safe
 Catalog Number: **4ASL-2-35-UNV-OPL-1_600mA**
 Description: 2foot 4ASL LED LUMINAIRE WITH OPL LENS AND 3500K LEDS with 1 rows at 600mA

Spectral Parameters

CCT (K): 3487
 CIE u' : 0.2366
 CIE v' : 0.5099
 Duv: -0.0012
 CIE x: 0.4047
 CIE y: 0.3876
 CIE z: 0.2077
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 581
 Purity: 37.79273
 R_f: 90
 R_g: 102.4

CRI (Ra): 92.5
 R1: 94.7
 R2: 94.3
 R3: 92.9
 R4: 93.3
 R5: 93.9
 R6: 93.4
 R7: 92.5
 R8: 85.2
 R9: 61.3
 R10: 85.5
 R11: 93.7
 R12: 80.8
 R13: 94.3
 R14: 95.1
 R15: 90.9



Test Conditions

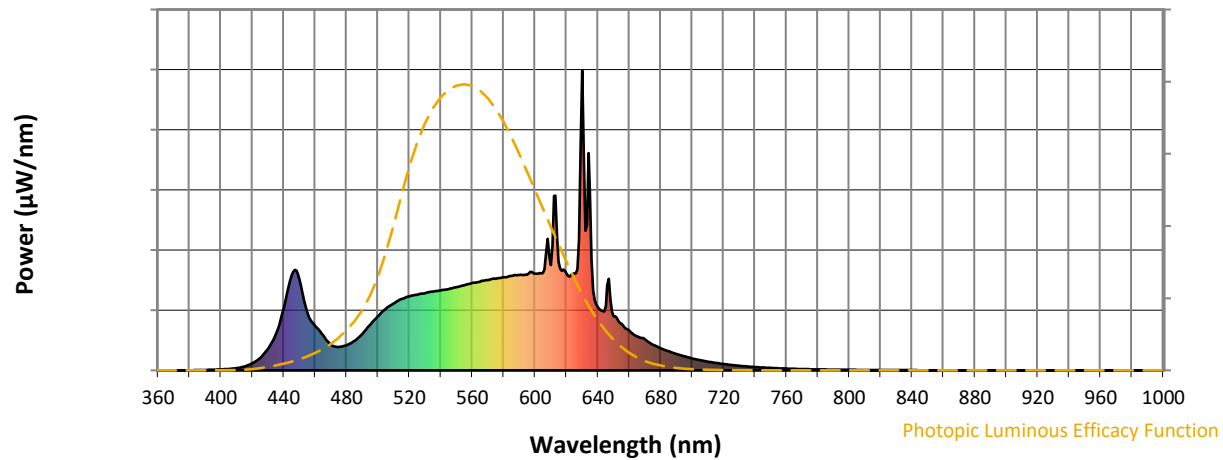
Stabilization Time: 31M
 Operation Time: 1H 31M
 Sphere Temperature (°C): 24.1

REPORT NUMBER: SP1-2511-597-1

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

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Photopic Flux vs. Wavelength

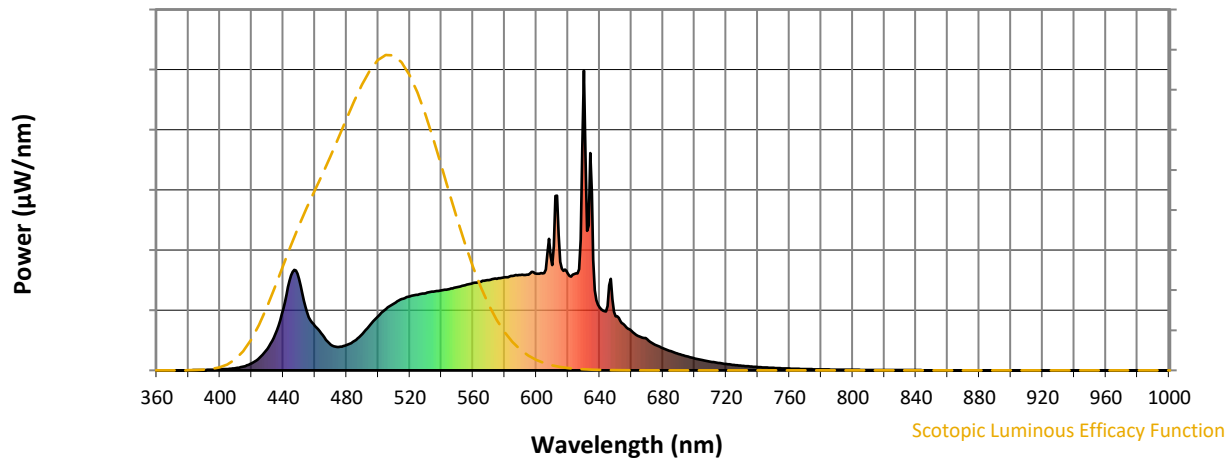


Photopic Lumens: NR

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	122	NR	620	322	NR	750	8	NR	880	0	NR
365	0	NR	495	152	NR	625	323	NR	755	7	NR	885	0	NR
370	0	NR	500	180	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	205	NR	635	589	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	210	NR	770	4	NR	900	0	NR
385	1	NR	515	238	NR	645	214	NR	775	4	NR	905	0	NR
390	1	NR	520	247	NR	650	181	NR	780	3	NR	910	0	NR
395	2	NR	525	252	NR	655	155	NR	785	3	NR	915	0	NR
400	3	NR	530	258	NR	660	133	NR	790	2	NR	920	0	NR
405	5	NR	535	262	NR	665	113	NR	795	2	NR	925	0	NR
410	7	NR	540	267	NR	670	104	NR	800	2	NR	930	0	NR
415	13	NR	545	271	NR	675	86	NR	805	2	NR	935	0	NR
420	24	NR	550	277	NR	680	74	NR	810	1	NR	940	0	NR
425	42	NR	555	284	NR	685	64	NR	815	1	NR	945	0	NR
430	72	NR	560	291	NR	690	55	NR	820	1	NR	950	0	NR
435	122	NR	565	296	NR	695	47	NR	825	1	NR	955	0	NR
440	207	NR	570	301	NR	700	40	NR	830	1	NR	960	0	NR
445	317	NR	575	306	NR	705	34	NR	835	1	NR	965	0	NR
450	304	NR	580	310	NR	710	29	NR	840	1	NR	970	0	NR
455	193	NR	585	315	NR	715	25	NR	845	1	NR	975	0	NR
460	149	NR	590	318	NR	720	21	NR	850	0	NR	980	0	NR
465	117	NR	595	320	NR	725	18	NR	855	0	NR	985	0	NR
470	85	NR	600	322	NR	730	15	NR	860	0	NR	990	0	NR
475	78	NR	605	325	NR	735	13	NR	865	0	NR	995	0	NR
480	84	NR	610	351	NR	740	11	NR	870	0	NR	1000	0	NR
485	98	NR	615	362	NR	745	10	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



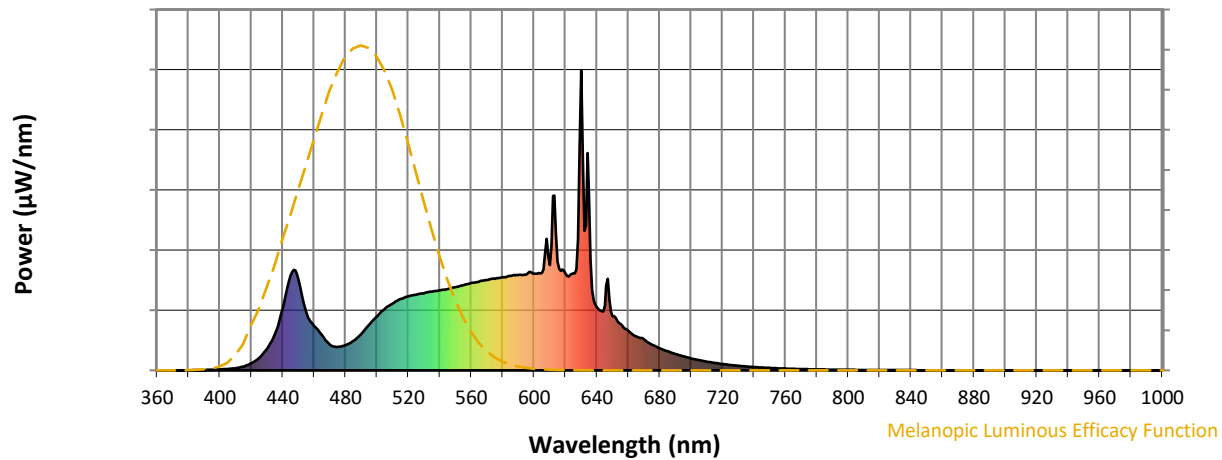
Scotopic Lumens: NR

S/P: 1.58

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	122	NR	620	322	NR	750	8	NR	880	0	NR
365	0	NR	495	152	NR	625	323	NR	755	7	NR	885	0	NR
370	0	NR	500	180	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	205	NR	635	589	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	210	NR	770	4	NR	900	0	NR
385	1	NR	515	238	NR	645	214	NR	775	4	NR	905	0	NR
390	1	NR	520	247	NR	650	181	NR	780	3	NR	910	0	NR
395	2	NR	525	252	NR	655	155	NR	785	3	NR	915	0	NR
400	3	NR	530	258	NR	660	133	NR	790	2	NR	920	0	NR
405	5	NR	535	262	NR	665	113	NR	795	2	NR	925	0	NR
410	7	NR	540	267	NR	670	104	NR	800	2	NR	930	0	NR
415	13	NR	545	271	NR	675	86	NR	805	2	NR	935	0	NR
420	24	NR	550	277	NR	680	74	NR	810	1	NR	940	0	NR
425	42	NR	555	284	NR	685	64	NR	815	1	NR	945	0	NR
430	72	NR	560	291	NR	690	55	NR	820	1	NR	950	0	NR
435	122	NR	565	296	NR	695	47	NR	825	1	NR	955	0	NR
440	207	NR	570	301	NR	700	40	NR	830	1	NR	960	0	NR
445	317	NR	575	306	NR	705	34	NR	835	1	NR	965	0	NR
450	304	NR	580	310	NR	710	29	NR	840	1	NR	970	0	NR
455	193	NR	585	315	NR	715	25	NR	845	1	NR	975	0	NR
460	149	NR	590	318	NR	720	21	NR	850	0	NR	980	0	NR
465	117	NR	595	320	NR	725	18	NR	855	0	NR	985	0	NR
470	85	NR	600	322	NR	730	15	NR	860	0	NR	990	0	NR
475	78	NR	605	325	NR	735	13	NR	865	0	NR	995	0	NR
480	84	NR	610	351	NR	740	11	NR	870	0	NR	1000	0	NR
485	98	NR	615	362	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.15

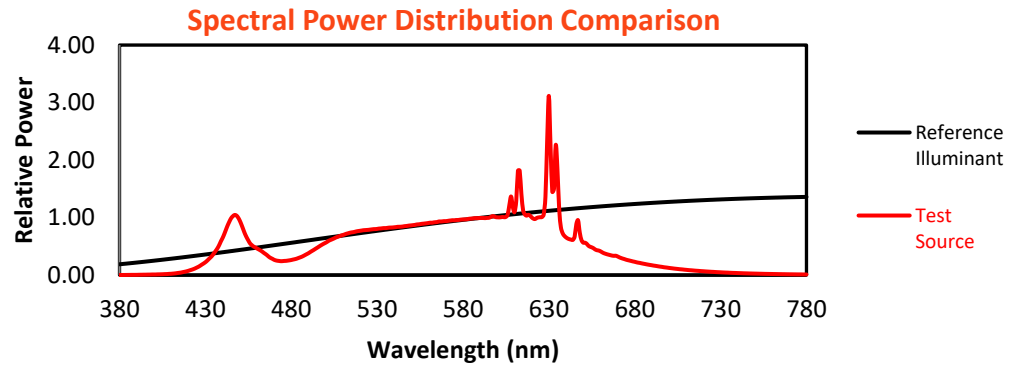
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	122	NR	620	322	NR	750	8	NR	880	0	NR
365	0	NR	495	152	NR	625	323	NR	755	7	NR	885	0	NR
370	0	NR	500	180	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	205	NR	635	589	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	210	NR	770	4	NR	900	0	NR
385	1	NR	515	238	NR	645	214	NR	775	4	NR	905	0	NR
390	1	NR	520	247	NR	650	181	NR	780	3	NR	910	0	NR
395	2	NR	525	252	NR	655	155	NR	785	3	NR	915	0	NR
400	3	NR	530	258	NR	660	133	NR	790	2	NR	920	0	NR
405	5	NR	535	262	NR	665	113	NR	795	2	NR	925	0	NR
410	7	NR	540	267	NR	670	104	NR	800	2	NR	930	0	NR
415	13	NR	545	271	NR	675	86	NR	805	2	NR	935	0	NR
420	24	NR	550	277	NR	680	74	NR	810	1	NR	940	0	NR
425	42	NR	555	284	NR	685	64	NR	815	1	NR	945	0	NR
430	72	NR	560	291	NR	690	55	NR	820	1	NR	950	0	NR
435	122	NR	565	296	NR	695	47	NR	825	1	NR	955	0	NR
440	207	NR	570	301	NR	700	40	NR	830	1	NR	960	0	NR
445	317	NR	575	306	NR	705	34	NR	835	1	NR	965	0	NR
450	304	NR	580	310	NR	710	29	NR	840	1	NR	970	0	NR
455	193	NR	585	315	NR	715	25	NR	845	1	NR	975	0	NR
460	149	NR	590	318	NR	720	21	NR	850	0	NR	980	0	NR
465	117	NR	595	320	NR	725	18	NR	855	0	NR	985	0	NR
470	85	NR	600	322	NR	730	15	NR	860	0	NR	990	0	NR
475	78	NR	605	325	NR	735	13	NR	865	0	NR	995	0	NR
480	84	NR	610	351	NR	740	11	NR	870	0	NR	1000	0	NR
485	98	NR	615	362	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2511-597-1

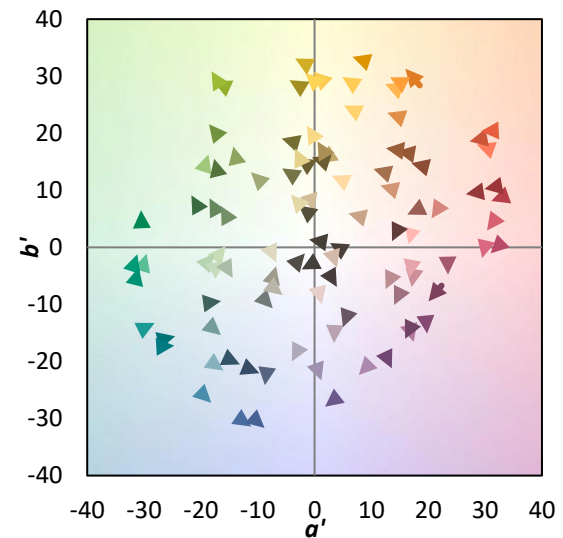
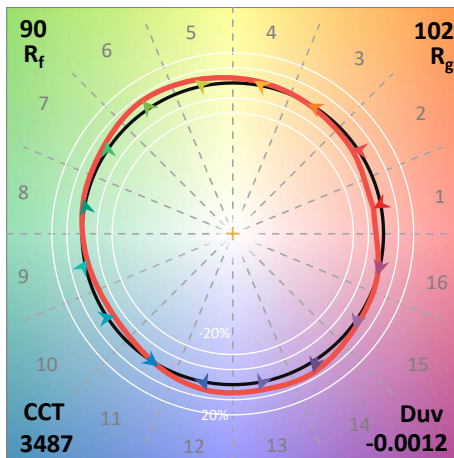
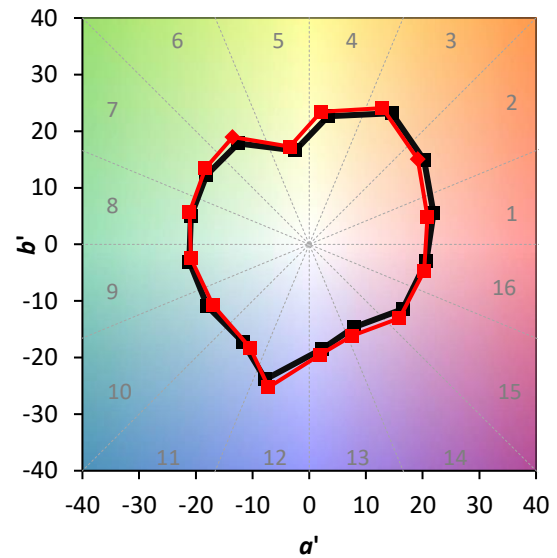
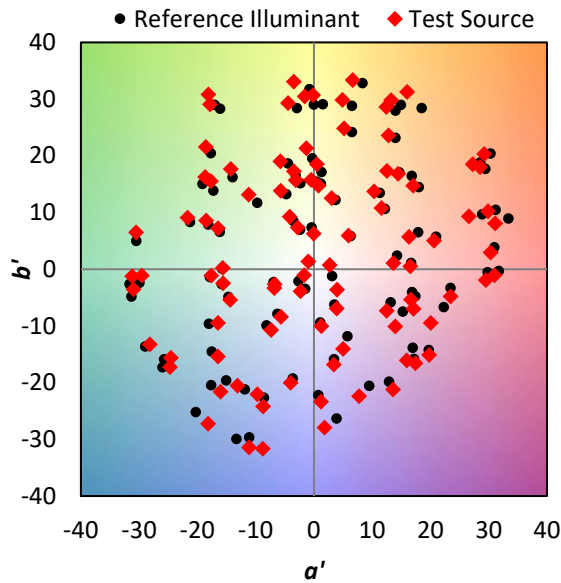
TM-30-18

Summary

$R_f = 90$
 $R_g = 102.4$
 CIE $R_a = 92.5$
 $R_9 = 61.3$

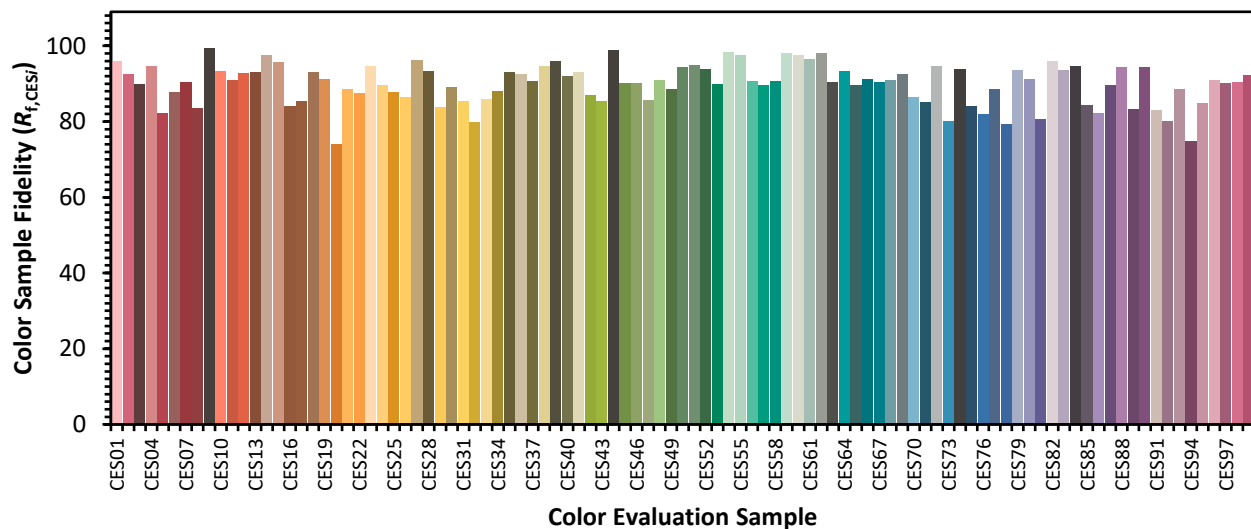


Color Vector Graphics

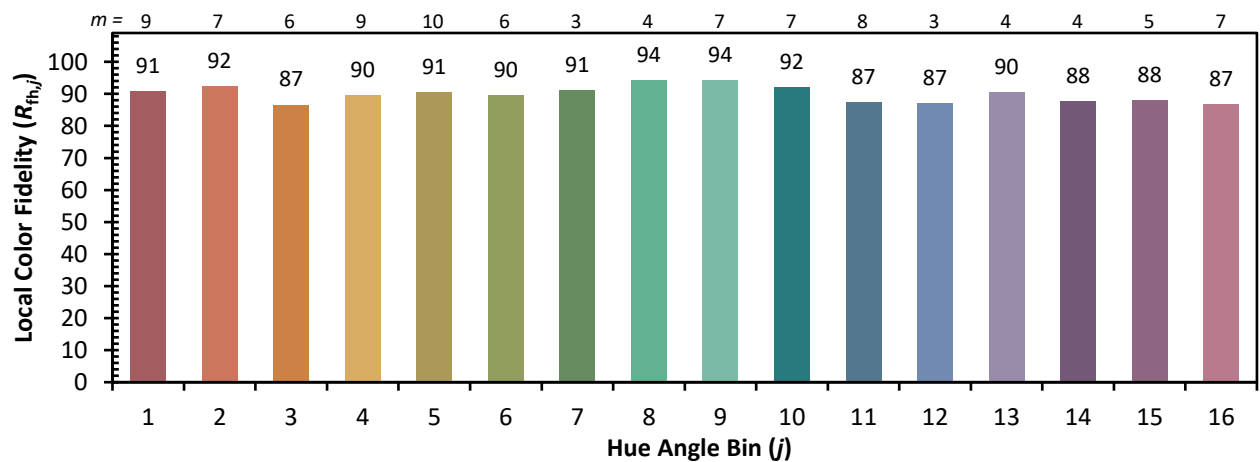
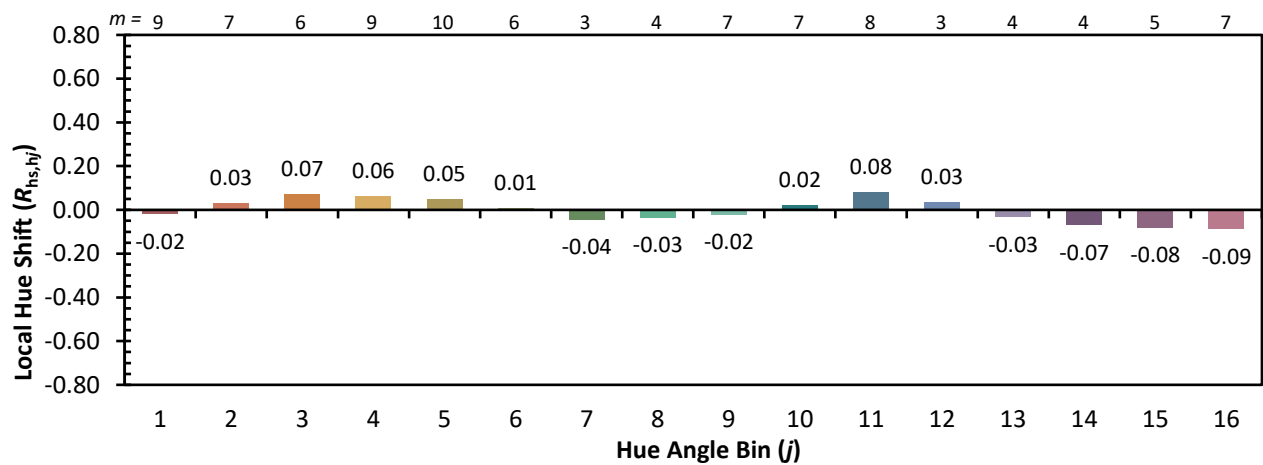
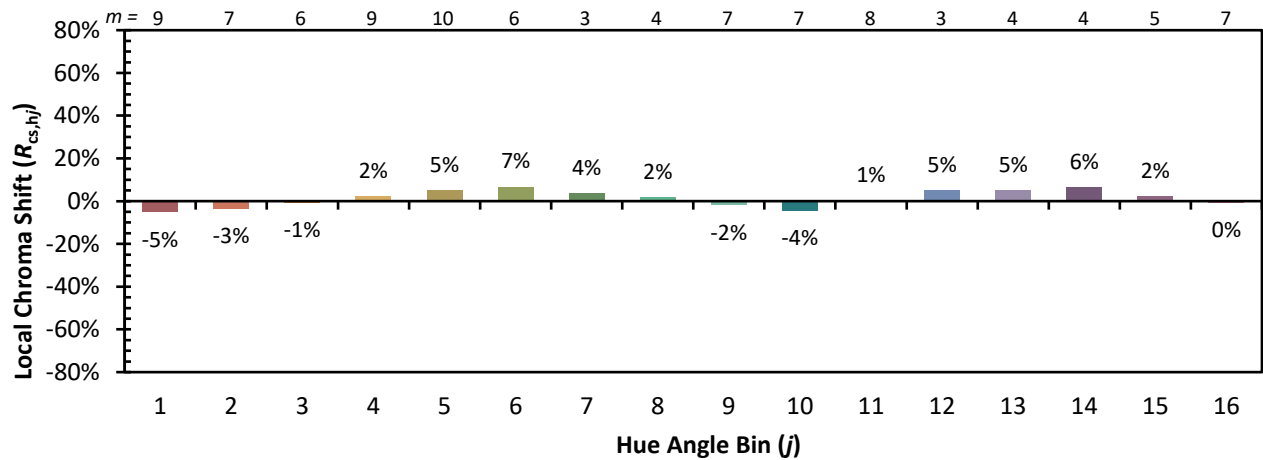


Individual Sample Fidelity Index ($R_{f,i}$)

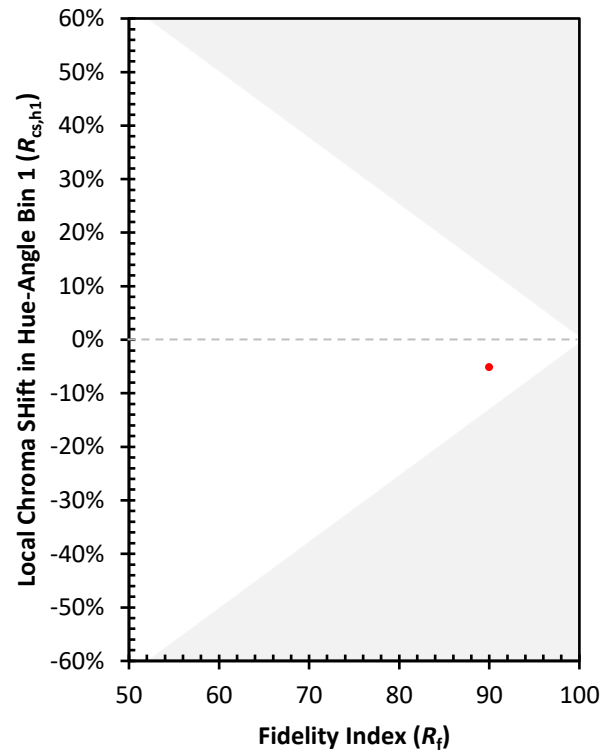
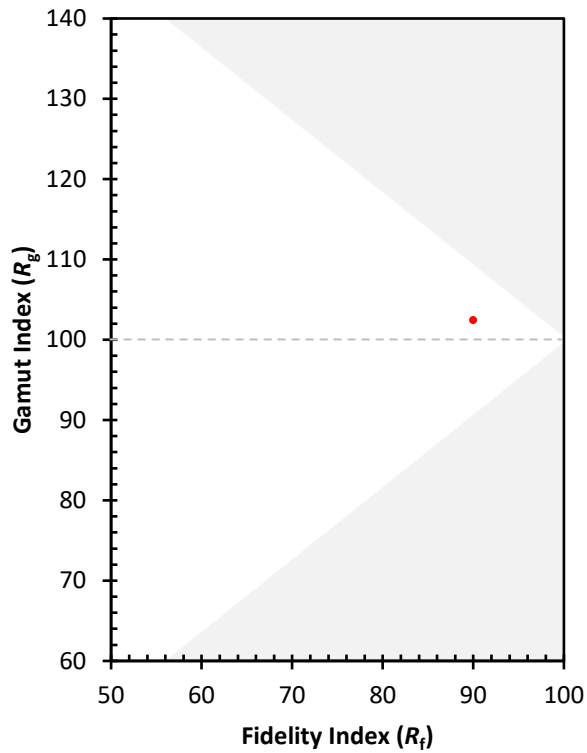
CES01 = 86	CES26 = 87	CES51 = 95	CES76 = 82
CES02 = 62	CES27 = 96	CES52 = 94	CES77 = 89
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 79
CES04 = 70	CES29 = 84	CES54 = 98	CES79 = 93
CES05 = 50	CES30 = 89	CES55 = 97	CES80 = 91
CES06 = 51	CES31 = 85	CES56 = 91	CES81 = 81
CES07 = 43	CES32 = 80	CES57 = 90	CES82 = 96
CES08 = 41	CES33 = 86	CES58 = 91	CES83 = 94
CES09 = 29	CES34 = 88	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 93	CES60 = 97	CES85 = 84
CES11 = 58	CES36 = 93	CES61 = 96	CES86 = 82
CES12 = 64	CES37 = 91	CES62 = 98	CES87 = 90
CES13 = 43	CES38 = 95	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 96	CES64 = 93	CES89 = 83
CES15 = 71	CES40 = 92	CES65 = 90	CES90 = 94
CES16 = 47	CES41 = 93	CES66 = 91	CES91 = 83
CES17 = 49	CES42 = 87	CES67 = 91	CES92 = 80
CES18 = 56	CES43 = 85	CES68 = 91	CES93 = 89
CES19 = 71	CES44 = 99	CES69 = 93	CES94 = 75
CES20 = 66	CES45 = 90	CES70 = 87	CES95 = 85
CES21 = 86	CES46 = 90	CES71 = 85	CES96 = 91
CES22 = 78	CES47 = 86	CES72 = 95	CES97 = 90
CES23 = 91	CES48 = 91	CES73 = 80	CES98 = 91
CES24 = 90	CES49 = 88	CES74 = 94	CES99 = 92
CES25 = 71	CES50 = 94	CES75 = 84	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)