

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: CORELITE

Report Number: P1215894

Luminaire Tested: 24-ID2-25-CFD2-L935-U

Issue Date: 12/5/2025

Test Information

Test Method: LM-79-2019
Report Number: P1215894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2506-458-28)
Test Lab: INNOVATION CENTER
Issue Date: 12/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24-ID2-25-CFD2-L935-U
Description: 2X4 IN DEPTH TROFFER WITH 2INCH CUBE DROP LENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

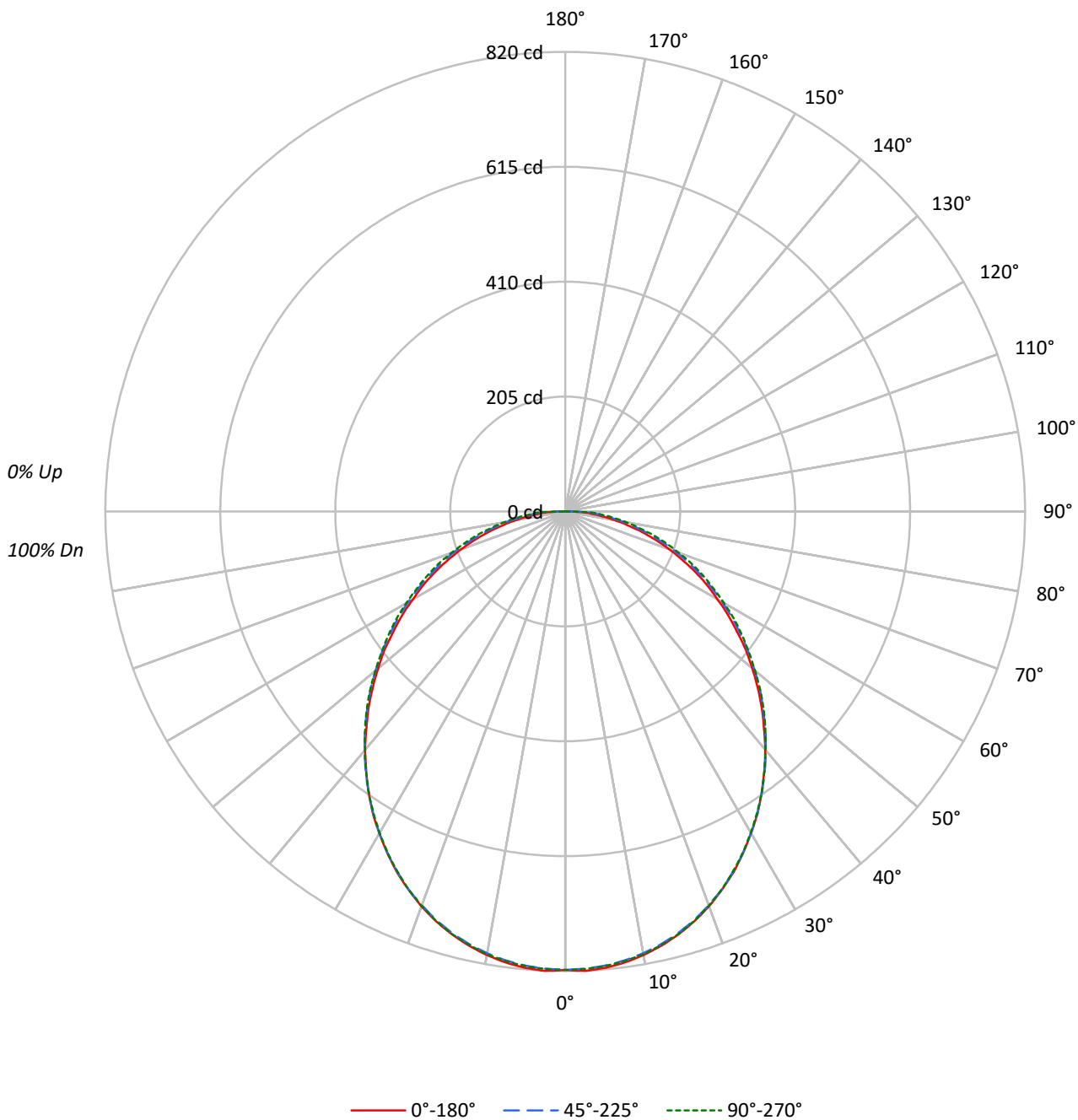
Lumens per Lamp: N/A
Luminaire Lumens: 2219.2 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.16')
CIE Type: Direct

Input Watts (W): 21.8
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: 24 FT



TEST NUMBER: P1215894
CATALOG NUMBER: 24-ID2-25-CFD2-L935-U

Luminous Intensity Polar Plot





TEST NUMBER: P1215894
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	37	31	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1101	1101	1101
5°	1100	1091	1092
10°	1090	1077	1081
15°	1077	1061	1064
20°	1058	1039	1042
25°	1035	1012	1014
30°	1007	982	983
35°	976	947	951
40°	943	912	914
45°	907	875	882
50°	870	838	844
55°	830	798	810
60°	789	759	774
65°	752	714	738
70°	699	669	694
75°	641	604	647
80°	566	539	589
85°	495	471	532

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 907 cd/sqm



TEST NUMBER: P1215894
 CATALOG NUMBER: 24-ID2-25-CFD2-L935-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	3.5
10°-20°	219.6	9.9
20°-30°	326.3	14.7
30°-40°	382.3	17.2
40°-50°	384.9	17.3
50°-60°	341.1	15.4
60°-70°	262.4	11.8
70°-80°	162.3	7.3
80°-90°	62.9	2.8
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°-30°	623.3	28.1
0°-40°	1005.6	45.3
0°-60°	1731.6	78.0
0°-90°	2219.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	817	815	813	813	814	78
15°	781	779	779	778	780	220
25°	710	709	709	708	708	327
35°	611	611	611	611	611	382
45°	496	498	499	500	501	382
55°	374	378	382	385	385	335
65°	256	260	265	270	272	253
75°	142	147	153	161	162	150
85°	47	53	60	65	66	51
90°	0	0	0	0	0	



TEST NUMBER: P1215894
 CATALOG NUMBER: 24-ID2-25-CFD2-L935-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	818.0	818.0	818.0	818.0	818.0
2.5°	820.5	818.0	816.5	815.5	817.1
5°	817.4	814.9	813.4	812.7	814.3
7.5°	811.8	809.3	808.1	807.8	809.3
10°	803.7	801.2	800.3	800.0	802.2
12.5°	793.5	791.3	790.7	791.0	792.2
15°	781.3	779.1	778.8	778.5	780.4
17.5°	766.4	764.5	764.5	763.9	765.8
20°	749.6	747.4	747.7	747.4	748.6
22.5°	730.3	729.0	730.0	729.7	730.0
25°	710.1	708.8	708.8	708.5	708.5
27.5°	687.0	686.7	686.7	685.8	686.1
30°	662.8	663.1	662.8	662.5	661.8
32.5°	638.5	637.9	637.9	637.9	636.9
35°	611.1	611.4	611.1	611.4	611.4
37.5°	583.1	585.0	584.4	585.0	583.4
40°	555.1	555.7	556.4	556.4	555.4
42.5°	524.6	528.0	528.3	528.3	528.3
45°	496.0	497.5	499.1	499.7	500.7
47.5°	465.5	468.3	471.1	470.5	471.7
50°	435.3	439.0	440.9	442.5	441.5
52.5°	406.1	408.2	411.4	413.2	412.9
55°	374.0	378.4	381.5	384.9	384.9
57.5°	344.8	349.7	352.2	356.3	356.9
60°	313.6	319.2	323.3	327.0	327.3
62.5°	286.0	289.7	294.0	299.3	298.4
65°	256.4	260.1	265.1	270.1	271.6
67.5°	225.9	231.2	237.1	242.1	244.3
70°	197.3	202.9	209.7	214.7	215.3
72.5°	169.3	175.2	180.8	187.0	188.6
75°	141.6	146.6	153.1	160.6	161.5
77.5°	113.9	120.7	127.3	134.1	134.4
80°	89.6	95.2	103.0	109.2	110.5
82.5°	66.0	72.2	79.7	86.2	86.8
85°	46.7	52.6	60.1	65.3	66.0
87.5°	31.4	37.3	44.2	49.5	50.1
90°	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	11.07	12.71	11.43	13.02	13.34	11.34	12.98	11.71	13.30	13.61
	3H	12.78	14.27	13.16	14.59	14.95	13.23	14.72	13.61	15.05	15.41
	4H	13.42	14.82	13.82	15.17	15.54	14.00	15.40	14.39	15.75	16.12
	6H	13.88	15.18	14.29	15.55	15.94	14.62	15.92	15.03	16.29	16.68
	8H	14.03	15.27	14.45	15.66	16.06	14.87	16.11	15.29	16.50	16.90
	12H	14.14	15.33	14.57	15.71	16.14	15.08	16.27	15.51	16.66	17.08
4H	2H	11.71	13.11	12.10	13.46	13.83	11.93	13.33	12.32	13.67	14.05
	3H	13.65	14.83	14.06	15.23	15.63	14.04	15.22	14.45	15.62	16.02
	4H	14.41	15.48	14.84	15.90	16.33	14.94	16.01	15.37	16.43	16.86
	6H	15.01	15.95	15.46	16.39	16.84	15.71	16.65	16.17	17.09	17.55
	8H	15.20	16.09	15.66	16.53	16.99	16.03	16.91	16.48	17.35	17.81
	12H	15.36	16.16	15.84	16.63	17.10	16.31	17.10	16.79	17.58	18.04
8H	4H	14.77	15.65	15.22	16.09	16.55	15.23	16.11	15.69	16.56	17.02
	6H	15.49	16.23	15.98	16.71	17.19	16.14	16.88	16.64	17.37	17.84
	8H	15.77	16.43	16.27	16.93	17.42	16.55	17.21	17.06	17.72	18.20
	12H	16.01	16.59	16.51	17.08	17.64	16.94	17.53	17.45	18.02	18.58
12H	4H	14.82	15.61	15.30	16.09	16.56	15.26	16.06	15.74	16.53	17.00
	6H	15.57	16.24	16.08	16.74	17.23	16.20	16.86	16.71	17.37	17.85
	8H	15.92	16.51	16.42	17.00	17.56	16.67	17.26	17.18	17.75	18.31

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

Corelite

Report Number: SP1-2506-458-10

Test Date: 08/26/2025

Luminaire Tested: 22ID2-55-CFR1-L935-U

Data in this report applies to families of products including 22ID2-55-CFR1-L935-U

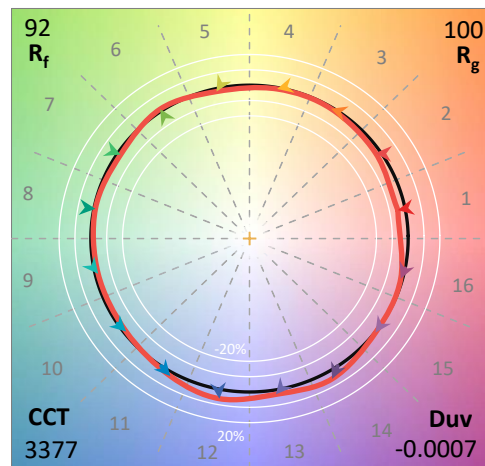
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-458-10
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/27/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Corelite
 Catalog Number: **22ID2-55-CFR1-L935-U**
 Description: 2X2 CGTX WITH INDEPTH FRAME AND CFR1 LENS - 5500 LUMEN 3500K 90CRI

Spectral Parameters

CCT (K): 3377
 CIE u': 0.2392
 CIE v': 0.5128
 Duv: -0.0007
 CIE x: 0.4116
 CIE y: 0.3922
 CIE z: 0.1962
 Peak Wavelength (nm): 618
 Dominant Wavelength (nm): 581
 Purity: 41.24368
 Rf: 91.8
 Rg: 99.6

CRI (Ra):	93.6		
R1:	94.1	R9:	64.2
R2:	96.6	R10:	91.1
R3:	97.5	R11:	94.7
R4:	94.0	R12:	78.5
R5:	93.6	R13:	95.0
R6:	94.8	R14:	98.1
R7:	93.4	R15:	91.0
R8:	84.8		



Test Conditions

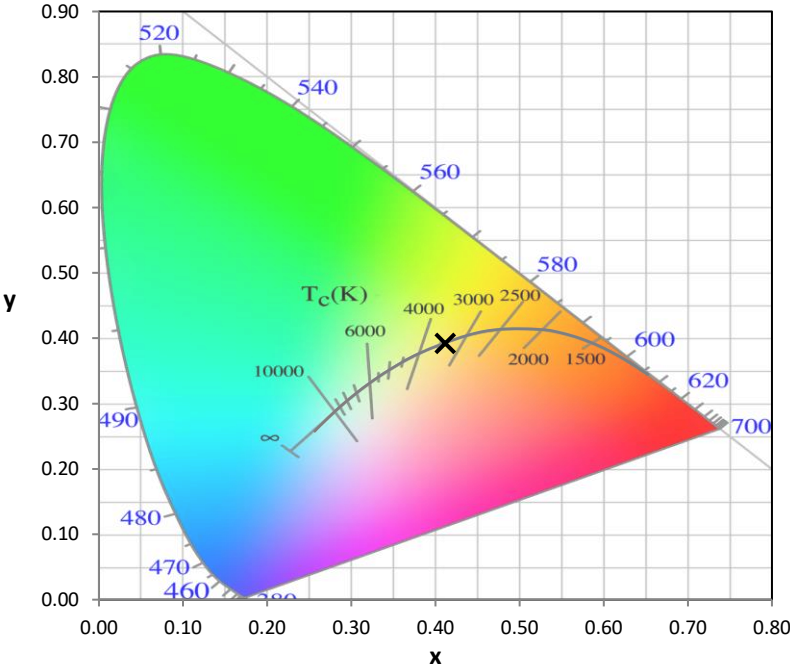
Stabilization Time: 32M
 Operation Time: 1H 32M
 Sphere Temperature (°C): 25.2

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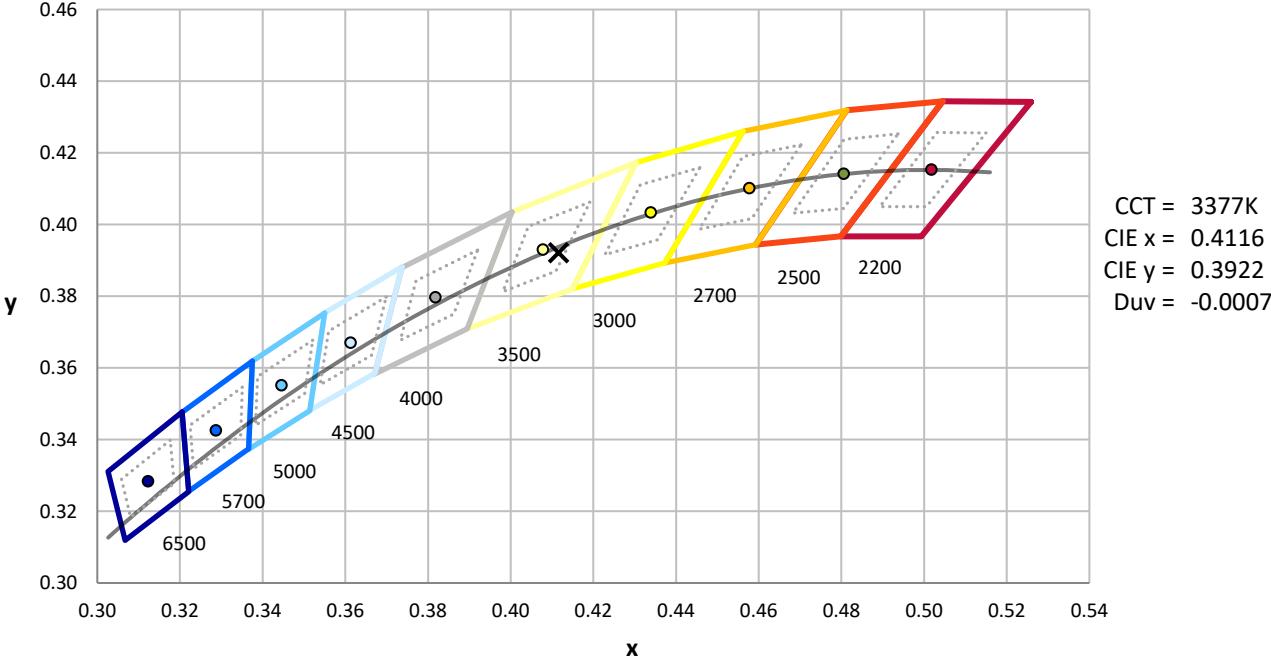
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

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CIE 1931 Chromaticity Diagram



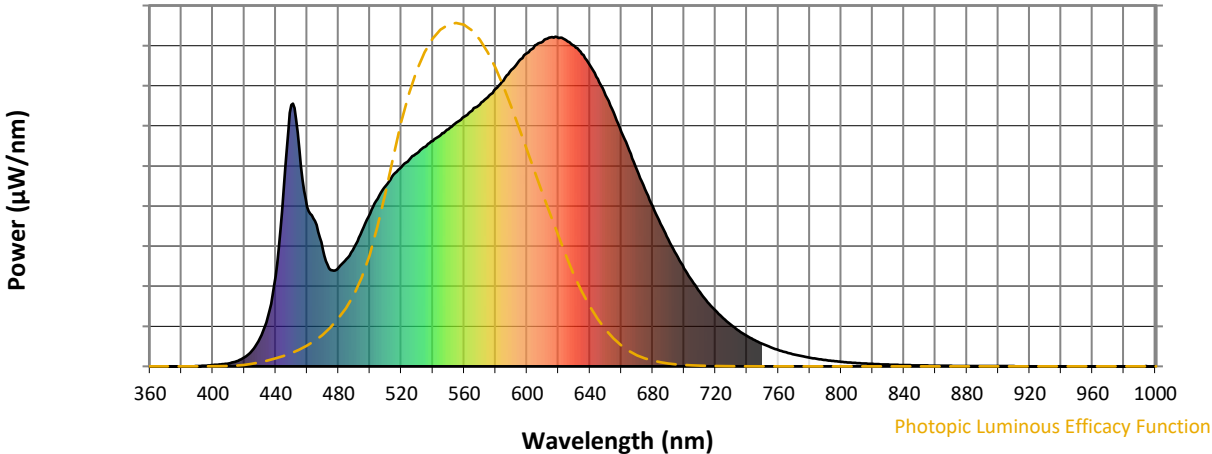
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

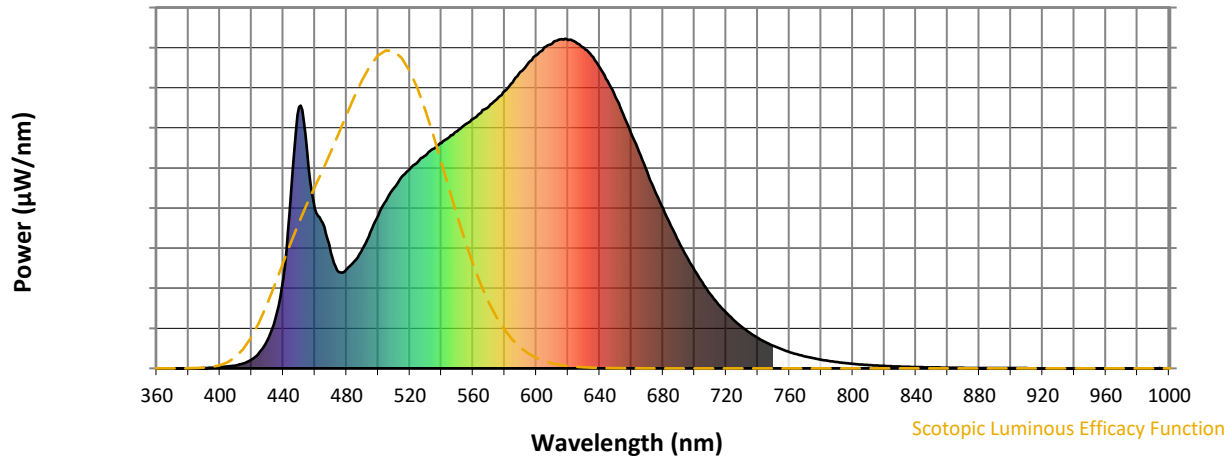


Photopic Lumens: NR

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	362	NR	620	996	NR	750	68	NR	880	1	NR
365	0	NR	495	412	NR	625	989	NR	755	58	NR	885	1	NR
370	0	NR	500	463	NR	630	973	NR	760	49	NR	890	1	NR
375	0	NR	505	509	NR	635	947	NR	765	42	NR	895	1	NR
380	0	NR	510	548	NR	640	914	NR	770	36	NR	900	1	NR
385	0	NR	515	582	NR	645	872	NR	775	31	NR	905	1	NR
390	1	NR	520	605	NR	650	822	NR	780	26	NR	910	1	NR
395	2	NR	525	626	NR	655	770	NR	785	22	NR	915	1	NR
400	4	NR	530	646	NR	660	712	NR	790	19	NR	920	0	NR
405	6	NR	535	666	NR	665	656	NR	795	16	NR	925	0	NR
410	9	NR	540	683	NR	670	596	NR	800	14	NR	930	0	NR
415	15	NR	545	702	NR	675	538	NR	805	12	NR	935	0	NR
420	27	NR	550	720	NR	680	486	NR	810	10	NR	940	0	NR
425	48	NR	555	740	NR	685	432	NR	815	9	NR	945	0	NR
430	85	NR	560	757	NR	690	385	NR	820	7	NR	950	0	NR
435	152	NR	565	776	NR	695	339	NR	825	6	NR	955	0	NR
440	274	NR	570	794	NR	700	297	NR	830	5	NR	960	0	NR
445	536	NR	575	816	NR	705	260	NR	835	5	NR	965	0	NR
450	793	NR	580	842	NR	710	225	NR	840	4	NR	970	0	NR
455	659	NR	585	867	NR	715	194	NR	845	3	NR	975	0	NR
460	484	NR	590	899	NR	720	169	NR	850	3	NR	980	0	NR
465	441	NR	595	927	NR	725	146	NR	855	2	NR	985	0	NR
470	353	NR	600	950	NR	730	125	NR	860	2	NR	990	0	NR
475	293	NR	605	974	NR	735	107	NR	865	2	NR	995	0	NR
480	300	NR	610	986	NR	740	92	NR	870	2	NR	1000	0	NR
485	325	NR	615	998	NR	745	79	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



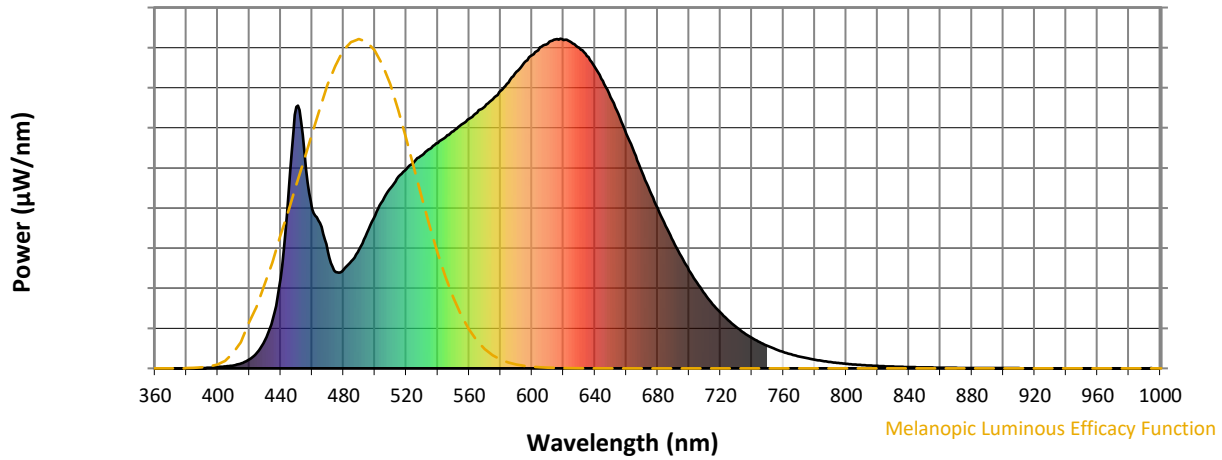
Scotopic Lumens: NR

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	362	NR	620	996	NR	750	68	NR	880	1	NR
365	0	NR	495	412	NR	625	989	NR	755	58	NR	885	1	NR
370	0	NR	500	463	NR	630	973	NR	760	49	NR	890	1	NR
375	0	NR	505	509	NR	635	947	NR	765	42	NR	895	1	NR
380	0	NR	510	548	NR	640	914	NR	770	36	NR	900	1	NR
385	0	NR	515	582	NR	645	872	NR	775	31	NR	905	1	NR
390	1	NR	520	605	NR	650	822	NR	780	26	NR	910	1	NR
395	2	NR	525	626	NR	655	770	NR	785	22	NR	915	1	NR
400	4	NR	530	646	NR	660	712	NR	790	19	NR	920	0	NR
405	6	NR	535	666	NR	665	656	NR	795	16	NR	925	0	NR
410	9	NR	540	683	NR	670	596	NR	800	14	NR	930	0	NR
415	15	NR	545	702	NR	675	538	NR	805	12	NR	935	0	NR
420	27	NR	550	720	NR	680	486	NR	810	10	NR	940	0	NR
425	48	NR	555	740	NR	685	432	NR	815	9	NR	945	0	NR
430	85	NR	560	757	NR	690	385	NR	820	7	NR	950	0	NR
435	152	NR	565	776	NR	695	339	NR	825	6	NR	955	0	NR
440	274	NR	570	794	NR	700	297	NR	830	5	NR	960	0	NR
445	536	NR	575	816	NR	705	260	NR	835	5	NR	965	0	NR
450	793	NR	580	842	NR	710	225	NR	840	4	NR	970	0	NR
455	659	NR	585	867	NR	715	194	NR	845	3	NR	975	0	NR
460	484	NR	590	899	NR	720	169	NR	850	3	NR	980	0	NR
465	441	NR	595	927	NR	725	146	NR	855	2	NR	985	0	NR
470	353	NR	600	950	NR	730	125	NR	860	2	NR	990	0	NR
475	293	NR	605	974	NR	735	107	NR	865	2	NR	995	0	NR
480	300	NR	610	986	NR	740	92	NR	870	2	NR	1000	0	NR
485	325	NR	615	998	NR	745	79	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



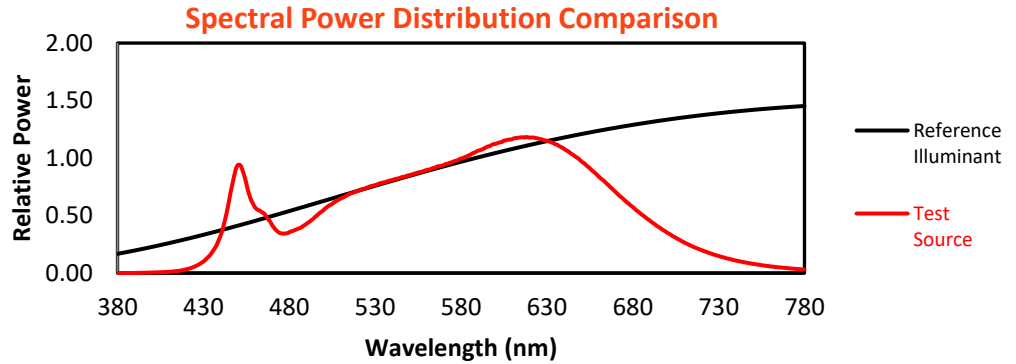
Melanopic Lumens: NR

M/P: 3.19

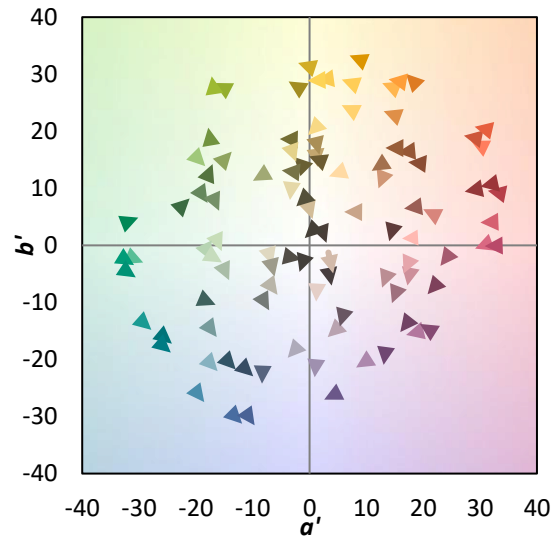
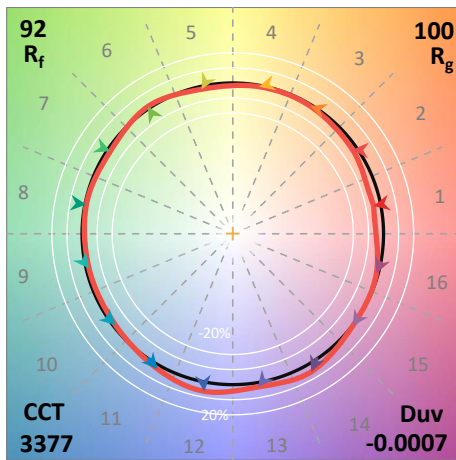
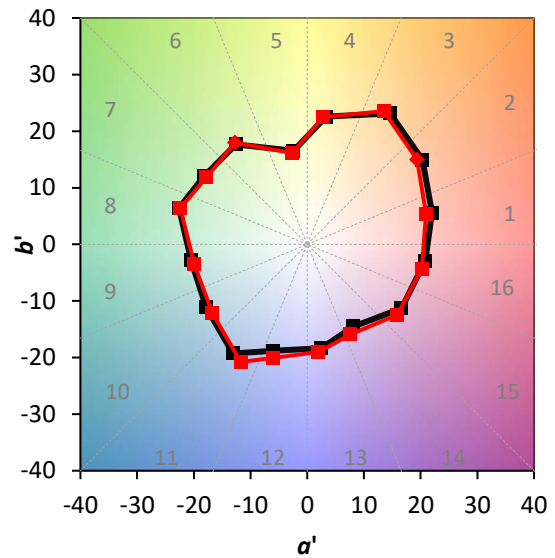
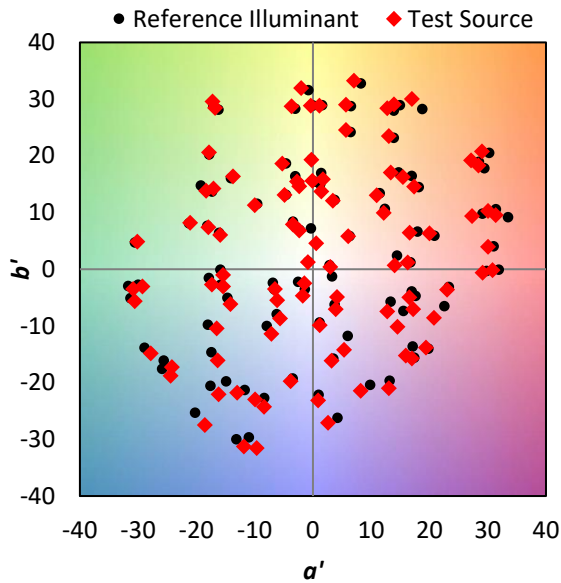
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	362	NR	620	996	NR	750	68	NR	880	1	NR
365	0	NR	495	412	NR	625	989	NR	755	58	NR	885	1	NR
370	0	NR	500	463	NR	630	973	NR	760	49	NR	890	1	NR
375	0	NR	505	509	NR	635	947	NR	765	42	NR	895	1	NR
380	0	NR	510	548	NR	640	914	NR	770	36	NR	900	1	NR
385	0	NR	515	582	NR	645	872	NR	775	31	NR	905	1	NR
390	1	NR	520	605	NR	650	822	NR	780	26	NR	910	1	NR
395	2	NR	525	626	NR	655	770	NR	785	22	NR	915	1	NR
400	4	NR	530	646	NR	660	712	NR	790	19	NR	920	0	NR
405	6	NR	535	666	NR	665	656	NR	795	16	NR	925	0	NR
410	9	NR	540	683	NR	670	596	NR	800	14	NR	930	0	NR
415	15	NR	545	702	NR	675	538	NR	805	12	NR	935	0	NR
420	27	NR	550	720	NR	680	486	NR	810	10	NR	940	0	NR
425	48	NR	555	740	NR	685	432	NR	815	9	NR	945	0	NR
430	85	NR	560	757	NR	690	385	NR	820	7	NR	950	0	NR
435	152	NR	565	776	NR	695	339	NR	825	6	NR	955	0	NR
440	274	NR	570	794	NR	700	297	NR	830	5	NR	960	0	NR
445	536	NR	575	816	NR	705	260	NR	835	5	NR	965	0	NR
450	793	NR	580	842	NR	710	225	NR	840	4	NR	970	0	NR
455	659	NR	585	867	NR	715	194	NR	845	3	NR	975	0	NR
460	484	NR	590	899	NR	720	169	NR	850	3	NR	980	0	NR
465	441	NR	595	927	NR	725	146	NR	855	2	NR	985	0	NR
470	353	NR	600	950	NR	730	125	NR	860	2	NR	990	0	NR
475	293	NR	605	974	NR	735	107	NR	865	2	NR	995	0	NR
480	300	NR	610	986	NR	740	92	NR	870	2	NR	1000	0	NR
485	325	NR	615	998	NR	745	79	NR	875	1	NR			

Summary

$R_f = 91.8$
 $R_g = 99.6$
 $CIE R_a = 93.6$
 $R_9 = 64.2$

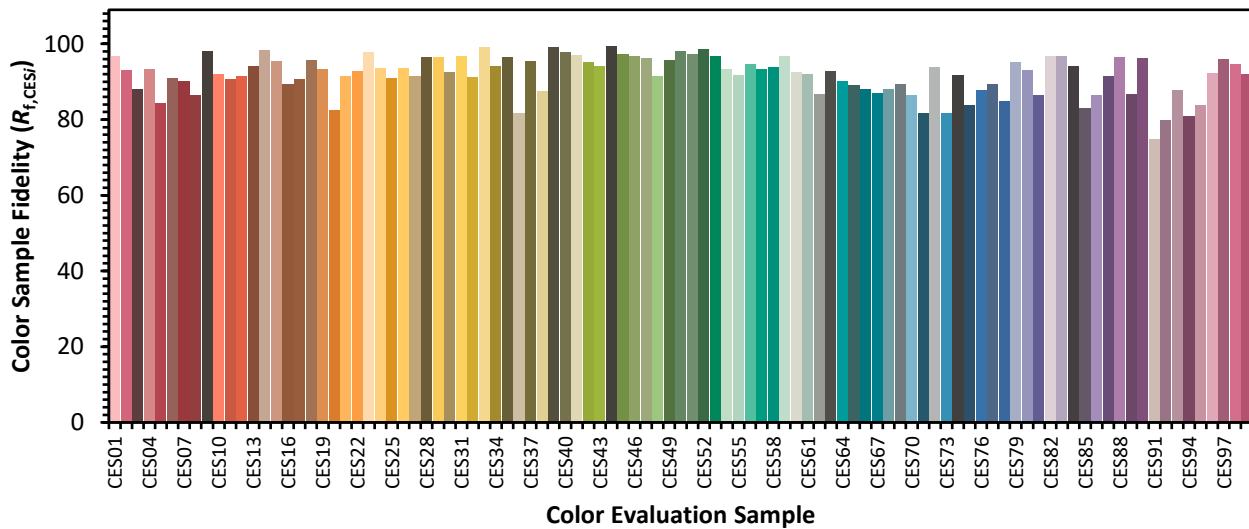


Color Vector Graphics

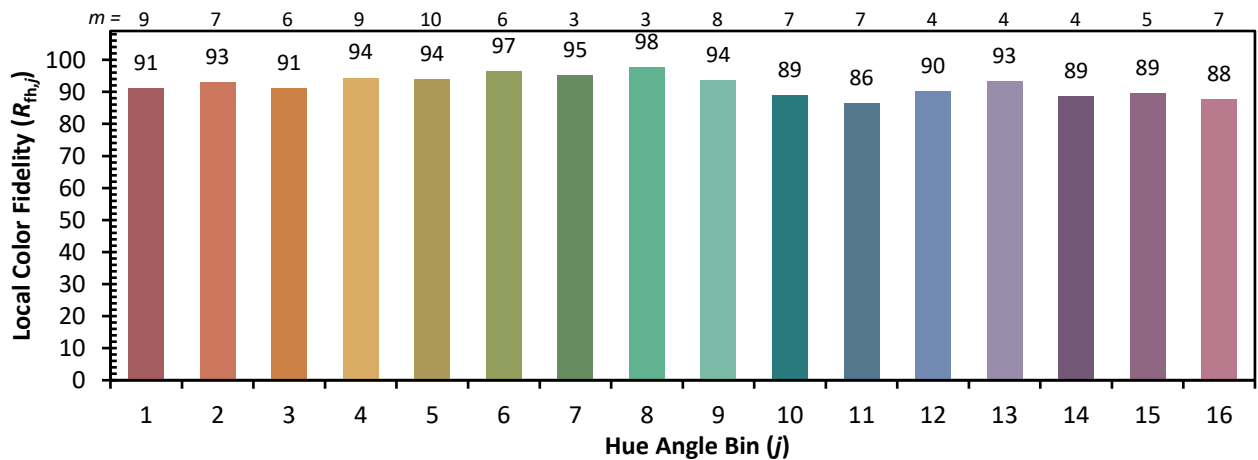
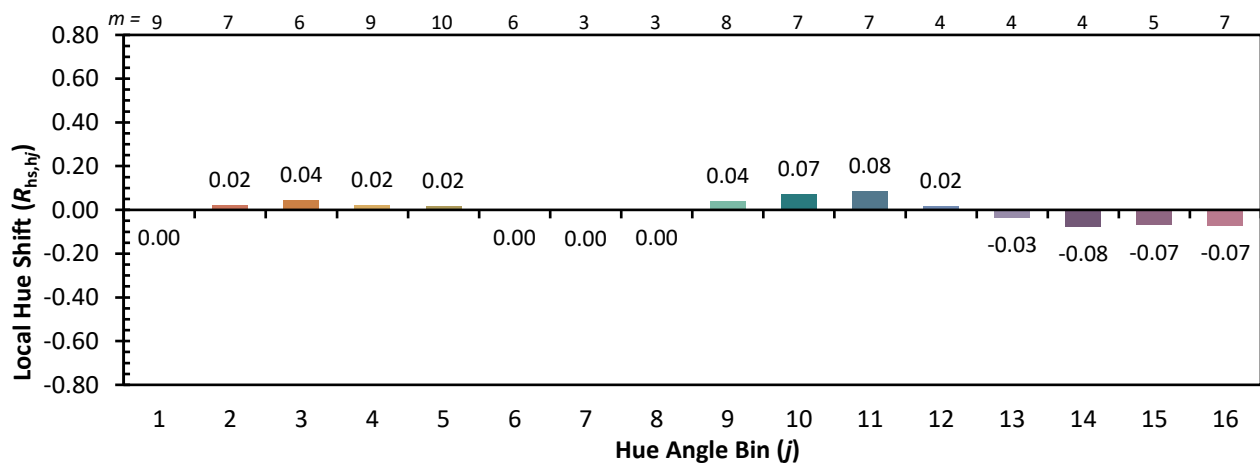
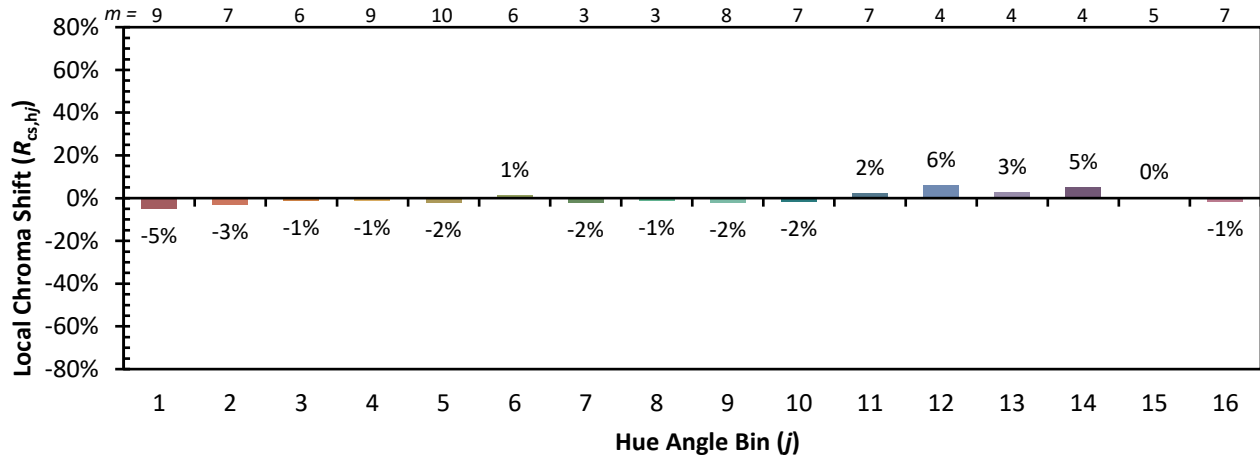


Individual Sample Fidelity Index ($R_{f,i}$)

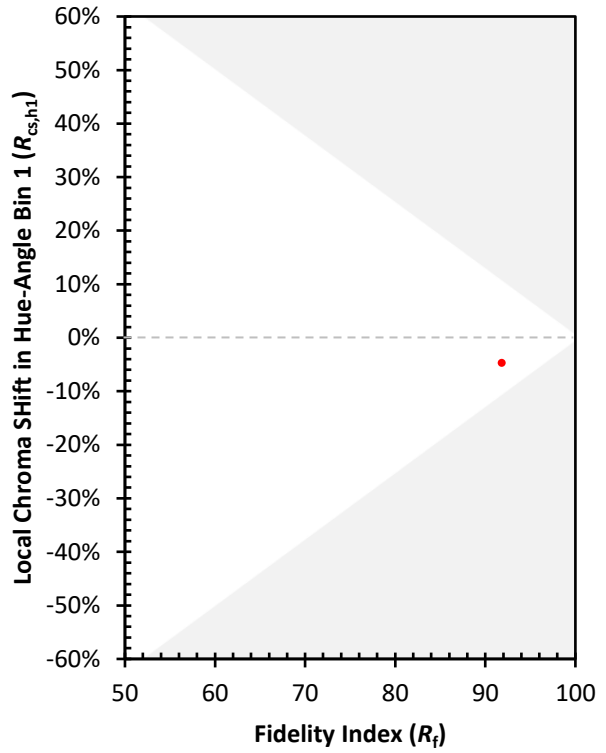
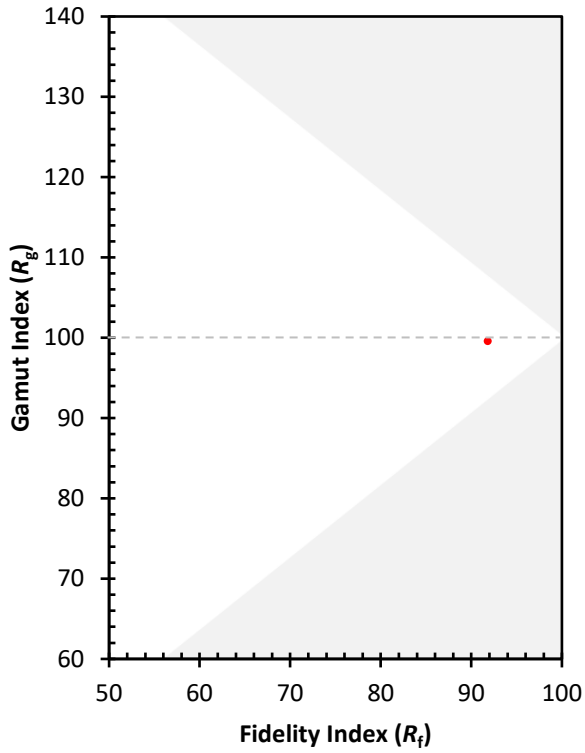
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 88
CES02 = 62	CES27 = 92	CES52 = 99	CES77 = 89
CES03 = 31	CES28 = 96	CES53 = 97	CES78 = 85
CES04 = 70	CES29 = 96	CES54 = 93	CES79 = 95
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 93
CES06 = 51	CES31 = 97	CES56 = 95	CES81 = 86
CES07 = 43	CES32 = 91	CES57 = 93	CES82 = 97
CES08 = 42	CES33 = 99	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 94	CES59 = 97	CES84 = 94
CES10 = 75	CES35 = 96	CES60 = 92	CES85 = 83
CES11 = 58	CES36 = 82	CES61 = 92	CES86 = 86
CES12 = 64	CES37 = 95	CES62 = 87	CES87 = 91
CES13 = 43	CES38 = 87	CES63 = 93	CES88 = 97
CES14 = 74	CES39 = 99	CES64 = 90	CES89 = 87
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 97	CES66 = 88	CES91 = 75
CES17 = 50	CES42 = 95	CES67 = 87	CES92 = 80
CES18 = 56	CES43 = 94	CES68 = 88	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 81
CES20 = 67	CES45 = 97	CES70 = 86	CES95 = 84
CES21 = 86	CES46 = 97	CES71 = 82	CES96 = 92
CES22 = 78	CES47 = 96	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 92	CES73 = 82	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 92	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 84	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)