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: METALUX

Report Number: P976749

Luminaire Tested: 24SR-LD2-C-53-UNV-L835-CD1-MR-U

Issue Date: 03/18/2025

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

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P976749
Test Lab:	INNOVATION CENTER(P3)
Issue Date:	03/18/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	24SR-LD2-C-53-UNV-L835-CD1-MR-U
Description:	METALUX SKYRIDGE 2x4 5300LM PACKAGE 80CRI 3500K TROFFER with Medium Red SKYTRIM
Light Source:	3500K CCT, 80+ CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2947.0 lumens
Efficiency:	N/A
Efficacy:	76.7 lumens/watt
Spacing Criteria (0/90/45):	1.28 / 2.27 / 2.06
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	38.4
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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TEST NUMBER: P976749
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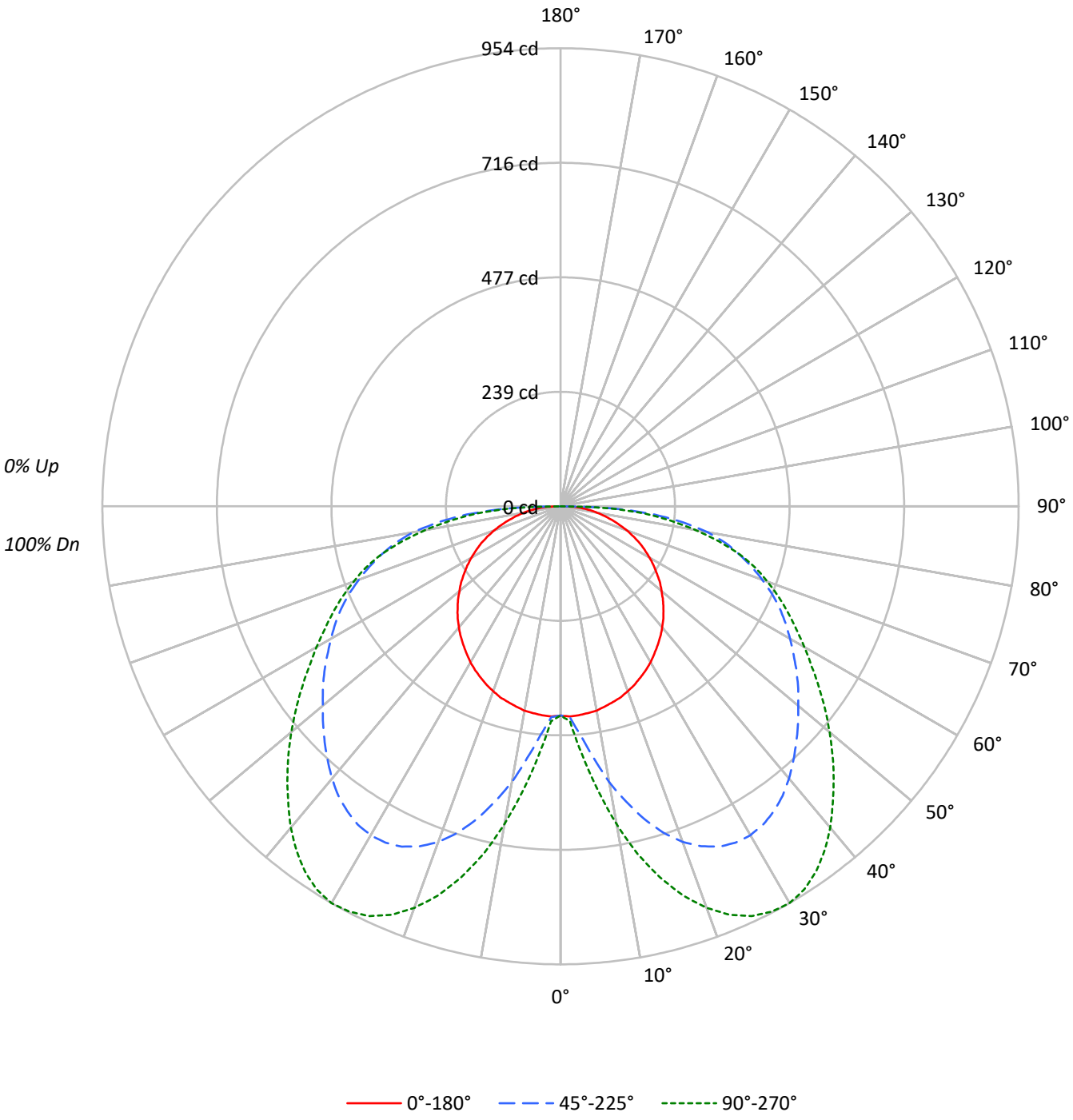
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	106	100	95	90	103	98	93	88	93	89	85	89	86	83	86	83	80	78
2	95	85	77	70	92	83	76	69	79	73	68	76	71	66	73	68	64	62
3	85	73	64	56	83	72	63	56	69	61	55	66	59	54	63	58	53	50
4	78	64	54	47	75	63	53	46	60	52	46	58	51	45	55	49	44	42
5	71	57	47	39	69	55	46	39	53	45	39	51	44	38	49	43	38	35
6	65	50	41	34	63	49	40	33	48	39	33	46	38	33	44	38	32	30
7	60	45	36	29	58	45	35	29	43	35	29	41	34	29	40	33	28	26
8	56	41	32	26	54	40	32	26	39	31	25	38	30	25	36	30	25	23
9	52	38	29	23	50	37	28	23	36	28	23	35	27	22	33	27	22	20
10	48	34	26	20	47	34	26	20	33	25	20	32	25	20	31	25	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	586	586	586
5°	590	645	702
10°	590	796	918
15°	588	940	1114
20°	586	1065	1274
25°	584	1161	1398
30°	583	1229	1482
35°	579	1273	1525
40°	578	1300	1535
45°	577	1321	1531
50°	575	1352	1531
55°	575	1408	1542
60°	576	1485	1579
65°	579	1604	1663
70°	579	1758	1802
75°	579	2000	2008
80°	604	2407	2215
85°	707	3020	2731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
Vertical Angle: 87.5°
Luminance: 3705 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	1.6
10°-20°	183.1	6.2
20°-30°	336.8	11.4
30°-40°	449.0	15.2
40°-50°	491.9	16.7
50°-60°	483.7	16.4
60°-70°	439.0	14.9
70°-80°	349.5	11.9
80°-90°	165.7	5.6
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°	568.3	19.3
0°-40°	1017.3	34.5
0°-60°	1993.0	67.6
0°-90°	2947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2947.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	437	441	478	509	520	42
15°	422	523	674	769	800	119
25°	394	579	782	899	942	182
35°	353	570	775	889	928	221
45°	303	514	694	778	804	234
55°	245	454	600	645	657	219
65°	182	392	504	514	522	180
75°	111	306	385	382	386	118
85°	46	165	196	177	177	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	435.6	435.6	435.6	435.6	435.6	435.6	435.6	435.6	435.6	435.6	435.6
2.5°	438.1	438.1	436.8	436.8	436.8	435.6	435.6	436.8	438.1	439.3	440.6
5°	436.8	436.8	436.8	436.8	438.1	443.1	449.3	458.0	465.3	477.8	483.9
7.5°	434.5	434.5	435.6	439.3	449.3	462.8	478.9	497.4	512.4	528.4	543.3
10°	432.0	432.0	434.5	446.8	466.6	490.1	513.6	537.1	558.1	582.9	601.4
12.5°	427.0	427.0	434.5	456.6	486.4	516.1	545.8	576.7	603.9	629.9	655.9
15°	422.0	422.0	436.8	467.8	504.9	540.8	575.4	611.4	643.5	674.5	701.7
17.5°	417.1	418.3	440.6	480.1	521.1	563.1	603.9	642.4	678.2	712.8	743.8
20°	409.6	412.1	443.1	488.8	534.6	581.7	625.1	667.0	706.7	743.8	776.0
22.5°	402.2	407.1	444.3	495.1	545.8	596.6	642.4	685.7	727.7	766.2	799.5
25°	393.5	399.8	445.5	498.8	553.2	605.2	653.4	699.2	742.5	782.1	815.6
27.5°	384.8	393.5	443.1	498.8	555.7	610.1	658.4	705.5	751.2	789.6	825.5
30°	*375.0*	*386.2*	*439.3*	*497.4*	*555.7*	*608.9*	*658.4*	*706.7*	*751.2*	*790.8*	*825.5*
32.5°	363.8	378.7	433.1	492.6	550.8	605.2	654.7	701.7	746.3	785.8	819.3
35°	352.7	368.8	425.8	485.1	543.3	596.6	644.7	691.9	735.2	774.8	808.1
37.5°	341.5	360.2	417.1	476.5	532.1	584.1	632.4	679.5	721.5	759.8	790.8
40°	329.2	349.0	406.0	464.1	519.8	569.2	617.6	662.0	703.0	740.2	769.8
42.5°	316.9	337.8	393.5	451.8	504.9	554.4	601.4	644.7	684.4	717.8	745.0
45°	303.2	325.5	381.2	436.8	488.8	538.4	584.1	625.1	663.4	694.4	719.0
47.5°	289.5	313.2	367.5	423.3	474.0	522.3	566.7	606.4	641.0	670.7	694.4
50°	274.7	299.5	354.0	408.5	459.1	506.1	549.4	586.6	620.1	646.0	668.4
52.5°	261.2	287.2	340.3	394.8	444.3	491.3	533.4	568.1	599.1	623.7	642.4
55°	245.1	273.5	328.0	381.2	430.6	476.5	516.1	549.4	577.9	600.2	616.4
57.5°	230.2	259.9	314.4	367.5	415.8	461.6	498.8	530.9	555.7	575.4	590.4
60°	214.1	246.2	300.7	354.0	402.2	446.8	482.6	512.4	535.9	551.9	564.4
62.5°	198.1	231.4	288.4	340.3	387.3	429.5	464.1	491.3	512.4	528.4	535.9
65°	181.9	216.6	273.5	326.7	372.5	412.1	445.5	471.5	490.1	503.8	508.6
67.5°	164.6	201.7	258.7	309.4	355.2	393.5	424.5	449.3	465.3	476.5	478.9
70°	147.3	184.4	241.4	292.0	335.3	371.3	402.2	423.3	439.3	446.8	449.3
72.5°	128.8	167.1	224.1	272.2	313.2	349.0	376.2	398.5	412.1	417.1	417.1
75°	111.4	148.4	204.2	250.1	289.5	323.0	349.0	368.8	381.2	384.8	383.7
77.5°	94.1	131.1	183.1	226.6	262.4	293.4	318.0	336.7	347.8	351.5	350.2
80°	78.0	112.6	158.4	199.2	231.4	259.9	282.2	302.0	311.9	310.7	303.2
82.5°	61.8	91.6	132.4	168.3	196.7	222.7	245.1	257.4	261.2	257.4	250.1
85°	45.8	69.3	102.8	131.1	154.8	175.8	189.4	198.1	199.2	195.6	189.4
87.5°	27.2	40.8	60.6	78.0	95.3	105.1	112.6	118.8	120.1	116.3	113.8
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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Scaled Data Report

TEST NUMBER: P976749
CATALOG NUMBER: 24SR-LD2-C-53-UNV-L835-CD1-MR-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	435.6	435.6	435.6	435.6	435.6	435.6	435.6	*435.6*
2.5°	441.8	443.1	444.3	446.8	445.5	446.8	446.8	*448.0*
5°	492.6	499.9	504.9	512.4	512.4	516.1	517.3	*519.8*
7.5°	554.4	564.4	575.4	586.6	587.9	594.1	596.6	*596.6*
10°	617.6	631.2	644.7	657.2	660.9	668.4	672.0	*672.0*
12.5°	674.5	689.4	707.8	721.5	726.5	735.2	740.2	*741.3*
15°	724.0	742.5	761.2	776.0	784.6	793.3	798.3	*799.5*
17.5°	766.2	788.3	808.1	823.0	833.0	842.8	848.9	*850.3*
20°	799.5	824.3	844.1	860.1	871.3	883.6	888.6	*889.8*
22.5°	825.5	848.9	871.3	888.6	900.9	913.4	919.6	*920.8*
25°	842.8	867.6	889.8	908.4	922.1	933.1	939.4	*941.7*
27.5°	852.8	878.8	900.9	918.3	931.9	944.2	950.4	*951.7*
30°	*853.9*	*879.9*	*902.3*	*919.6*	*933.1*	*945.6*	*951.7*	*954.2*
32.5°	847.8	873.8	894.8	912.1	925.7	936.9	943.1	*945.6*
35°	835.5	860.1	881.1	897.3	909.6	919.6	926.9	*928.2*
37.5°	818.1	841.6	860.1	874.9	887.4	897.3	903.4	*903.4*
40°	794.5	816.8	833.0	846.5	858.9	866.3	873.8	*873.8*
42.5°	768.5	789.6	804.5	816.8	825.5	834.1	839.1	*839.1*
45°	741.3	758.7	773.5	783.5	792.1	798.3	804.5	*804.5*
47.5°	714.2	729.0	740.2	750.0	757.5	763.7	768.5	*768.5*
50°	685.7	699.2	707.8	716.5	722.8	727.7	731.5	*731.5*
52.5°	657.2	668.4	674.5	681.9	686.9	691.9	694.4	*694.4*
55°	629.9	637.4	642.4	648.5	652.2	654.7	657.2	*657.2*
57.5°	600.2	605.2	610.1	613.9	616.4	618.7	621.2	*620.1*
60°	570.6	574.2	577.9	580.4	582.9	585.4	586.6	*586.6*
62.5°	540.8	542.1	543.3	548.3	550.8	551.9	553.2	*553.2*
65°	511.1	511.1	512.4	516.1	518.6	521.1	522.3	*522.3*
67.5°	478.9	480.1	481.4	485.1	486.4	488.8	491.3	*491.3*
70°	446.8	448.0	448.0	451.8	453.0	455.5	458.0	*458.0*
72.5°	415.8	415.8	415.8	418.3	420.8	423.3	425.8	*425.8*
75°	381.2	381.2	381.2	383.7	383.7	384.8	387.3	*386.2*
77.5°	344.0	340.3	336.7	335.3	335.3	336.7	337.8	*337.8*
80°	295.9	290.9	288.4	285.9	284.7	285.9	287.2	*285.9*
82.5°	245.1	238.9	235.2	233.9	233.9	233.9	235.2	*232.7*
85°	185.6	179.4	176.9	176.9	175.8	175.8	175.8	*176.9*
87.5°	111.4	107.6	104.0	105.1	104.0	102.8	104.0	*106.5*
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*

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Scaled Data Report

TEST NUMBER: P976749
CATALOG NUMBER: 24SR-LD2-C-53-UNV-L835-CD1-MR-U

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	11.3	13.1	11.7	13.4	13.8	14.3	16.1	14.7	16.4	16.7
	3H	13.3	15.0	13.7	15.3	15.6	16.8	18.5	17.2	18.8	19.2
	4H	14.1	15.7	14.5	16.0	16.4	18.0	19.6	18.4	19.9	20.3
	6H	14.7	16.2	15.1	16.5	16.9	19.1	20.6	19.5	20.9	21.3
	8H	14.9	16.3	15.4	16.7	17.1	19.6	21.0	20.0	21.4	21.8
	12H	15.1	16.5	15.5	16.8	17.3	20.0	21.4	20.4	21.7	22.2
4H	2H	13.1	14.7	13.5	15.0	15.4	15.1	16.6	15.5	17.0	17.3
	3H	15.6	16.9	16.0	17.3	17.7	17.9	19.2	18.3	19.6	20.0
	4H	16.7	17.9	17.1	18.3	18.8	19.3	20.5	19.7	20.9	21.3
	6H	17.6	18.7	18.1	19.1	19.6	20.5	21.6	21.0	22.0	22.5
	8H	17.9	19.0	18.4	19.4	19.9	21.1	22.1	21.5	22.5	23.0
	12H	18.2	19.1	18.7	19.6	20.1	21.6	22.5	22.1	23.0	23.5
8H	4H	17.9	18.9	18.3	19.3	19.8	19.8	20.8	20.3	21.3	21.7
	6H	19.2	20.1	19.7	20.6	21.0	21.3	22.2	21.8	22.6	23.1
	8H	19.8	20.6	20.3	21.1	21.6	22.0	22.8	22.5	23.3	23.7
	12H	20.3	21.0	20.8	21.5	22.0	22.6	23.3	23.1	23.8	24.4
12H	4H	18.1	19.0	18.6	19.5	20.0	19.9	20.9	20.4	21.3	21.8
	6H	19.6	20.4	20.1	20.9	21.4	21.5	22.3	22.0	22.7	23.3
	8H	20.4	21.1	20.9	21.6	22.1	22.3	23.0	22.8	23.5	24.0

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-457-6

Test Date: 07/01/2025

Luminaire Tested: 24SR-LD2-64-C-UNV-L935-CD1-U

Data in this report applies to families of products including 24SR-LD2-64-C-UNV-L935-CD1-U

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

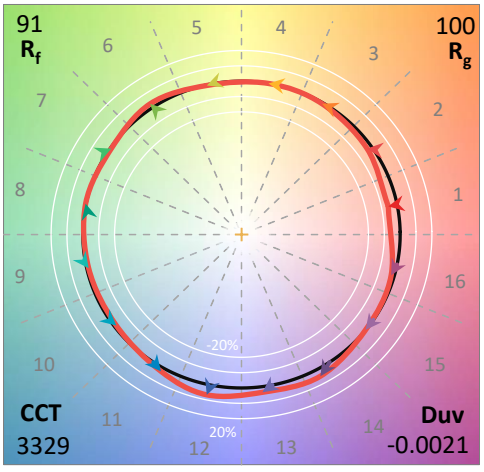
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-457-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	07/02/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**24SR-LD2-64-C-UNV-L935-CD1-U**
Description:	2X4 SKYRIDGE 6400LM Fixture with new LTN chip

Spectral Parameters

CCT (K):	3329
CIE u':	0.2411
CIE v':	0.5118
Duv:	-0.0021
CIE x:	0.4128
CIE y:	0.3894
CIE z:	0.1979
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	582
Purity:	40.74075
Rf:	91.4
Rg:	100.2

CRI (Ra):	93.9				
R1:	95.4	R9:	60.5		
R2:	97.4	R10:	92.5		
R3:	97.7	R11:	95.9		
R4:	94.9	R12:	82.0		
R5:	95.1	R13:	96.0		
R6:	95.7	R14:	98.0		
R7:	91.7	R15:	91.5		
R8:	83.2				



Test Conditions

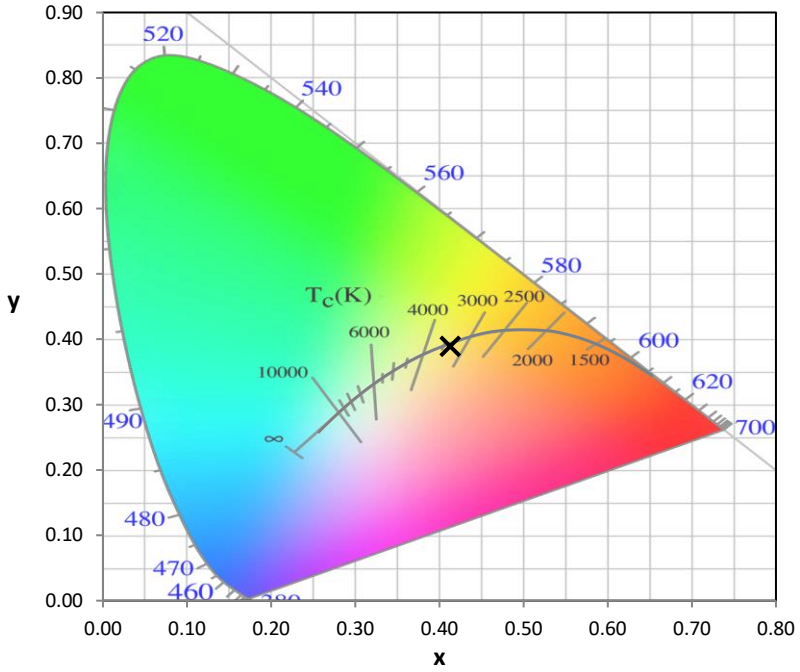
Stabilization Time:	48M
Operation Time:	1H 48M
Sphere Temperature (°C):	24.0

REPORT NUMBER: SP1-2506-457-6

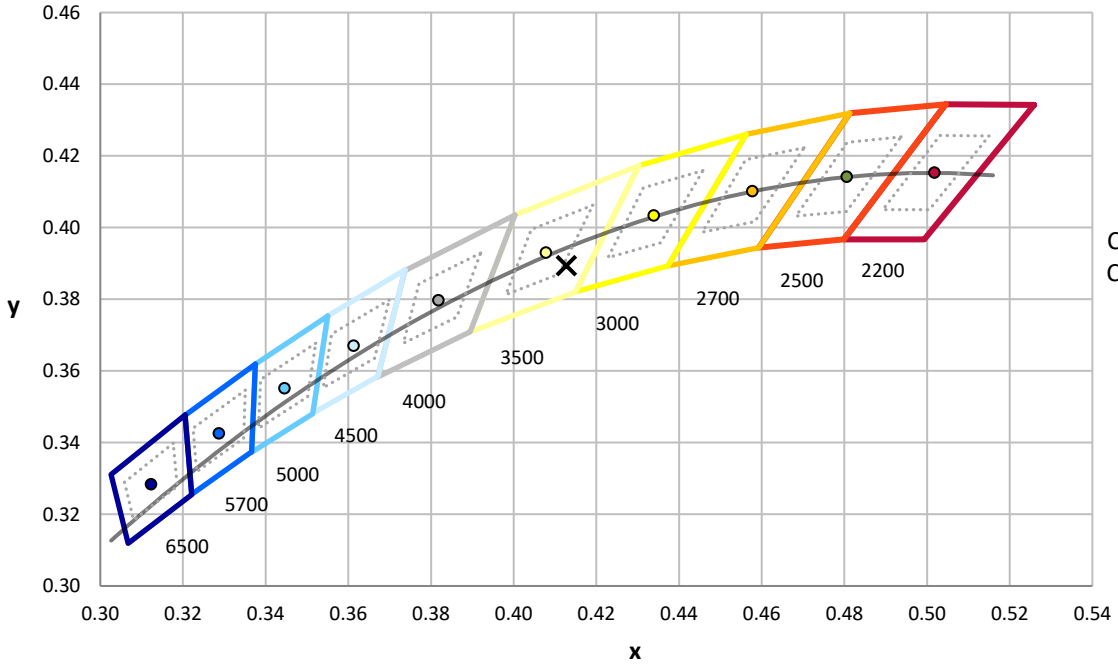
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2506-457-6

CIE 1931 Chromaticity Diagram



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



CCT = 3329K
CIE x = 0.4128
CIE y = 0.3894
Duv = -0.0021

Point lies inside the ANSI 3500K 7-step quadrangle

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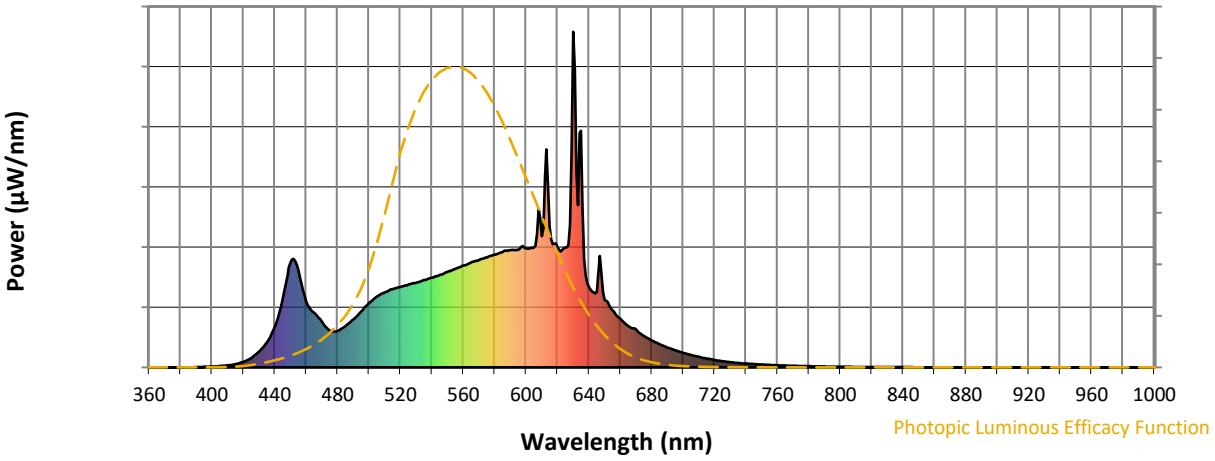
Photopic Flux vs. Wavelength



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	143	NR	620	358	NR	750	9	NR	880	0	NR
365	0	NR	495	166	NR	625	357	NR	755	7	NR	885	0	NR
370	0	NR	500	191	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	210	NR	635	705	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	239	NR	770	5	NR	900	0	NR
385	0	NR	515	233	NR	645	226	NR	775	4	NR	905	0	NR
390	1	NR	520	240	NR	650	201	NR	780	3	NR	910	0	NR
395	2	NR	525	246	NR	655	170	NR	785	3	NR	915	0	NR
400	3	NR	530	251	NR	660	145	NR	790	2	NR	920	0	NR
405	4	NR	535	260	NR	665	123	NR	795	2	NR	925	0	NR
410	6	NR	540	267	NR	670	113	NR	800	2	NR	930	0	NR
415	9	NR	545	276	NR	675	93	NR	805	2	NR	935	0	NR
420	16	NR	550	284	NR	680	80	NR	810	1	NR	940	0	NR
425	28	NR	555	294	NR	685	69	NR	815	1	NR	945	0	NR
430	46	NR	560	303	NR	690	59	NR	820	1	NR	950	0	NR
435	75	NR	565	313	NR	695	51	NR	825	1	NR	955	0	NR
440	120	NR	570	319	NR	700	43	NR	830	1	NR	960	0	NR
445	203	NR	575	327	NR	705	37	NR	835	1	NR	965	0	NR
450	311	NR	580	336	NR	710	31	NR	840	1	NR	970	0	NR
455	290	NR	585	344	NR	715	26	NR	845	1	NR	975	0	NR
460	197	NR	590	349	NR	720	22	NR	850	0	NR	980	0	NR
465	163	NR	595	350	NR	725	18	NR	855	0	NR	985	0	NR
470	135	NR	600	355	NR	730	15	NR	860	0	NR	990	0	NR
475	110	NR	605	357	NR	735	13	NR	865	0	NR	995	0	NR
480	108	NR	610	391	NR	740	11	NR	870	0	NR	1000	0	NR
485	123	NR	615	421	NR	745	10	NR	875	0	NR			

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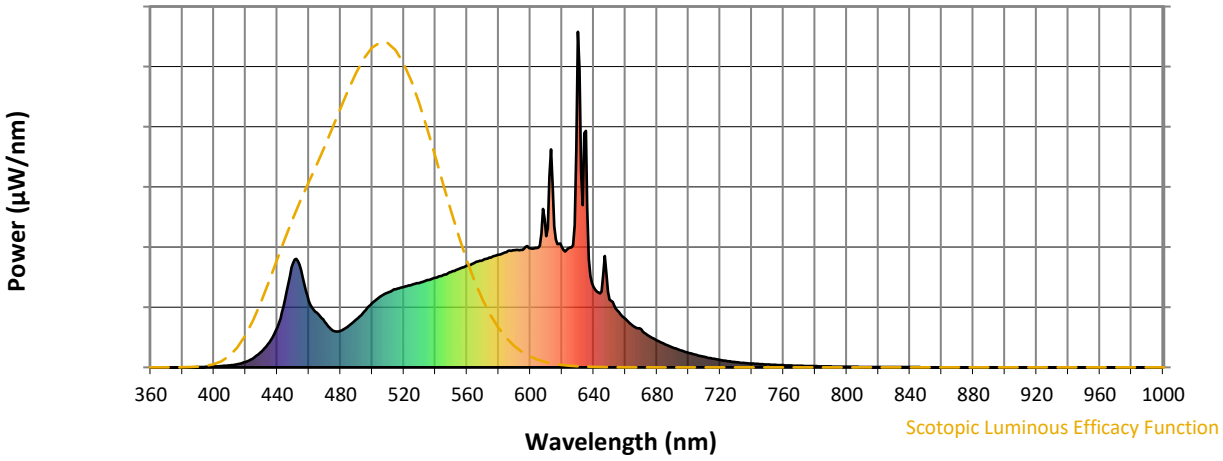
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.57**

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	143	NR	620	358	NR	750	9	NR	880	0	NR
365	0	NR	495	166	NR	625	357	NR	755	7	NR	885	0	NR
370	0	NR	500	191	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	210	NR	635	705	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	239	NR	770	5	NR	900	0	NR
385	0	NR	515	233	NR	645	226	NR	775	4	NR	905	0	NR
390	1	NR	520	240	NR	650	201	NR	780	3	NR	910	0	NR
395	2	NR	525	246	NR	655	170	NR	785	3	NR	915	0	NR
400	3	NR	530	251	NR	660	145	NR	790	2	NR	920	0	NR
405	4	NR	535	260	NR	665	123	NR	795	2	NR	925	0	NR
410	6	NR	540	267	NR	670	113	NR	800	2	NR	930	0	NR
415	9	NR	545	276	NR	675	93	NR	805	2	NR	935	0	NR
420	16	NR	550	284	NR	680	80	NR	810	1	NR	940	0	NR
425	28	NR	555	294	NR	685	69	NR	815	1	NR	945	0	NR
430	46	NR	560	303	NR	690	59	NR	820	1	NR	950	0	NR
435	75	NR	565	313	NR	695	51	NR	825	1	NR	955	0	NR
440	120	NR	570	319	NR	700	43	NR	830	1	NR	960	0	NR
445	203	NR	575	327	NR	705	37	NR	835	1	NR	965	0	NR
450	311	NR	580	336	NR	710	31	NR	840	1	NR	970	0	NR
455	290	NR	585	344	NR	715	26	NR	845	1	NR	975	0	NR
460	197	NR	590	349	NR	720	22	NR	850	0	NR	980	0	NR
465	163	NR	595	350	NR	725	18	NR	855	0	NR	985	0	NR
470	135	NR	600	355	NR	730	15	NR	860	0	NR	990	0	NR
475	110	NR	605	357	NR	735	13	NR	865	0	NR	995	0	NR
480	108	NR	610	391	NR	740	11	NR	870	0	NR	1000	0	NR
485	123	NR	615	421	NR	745	10	NR	875	0	NR			

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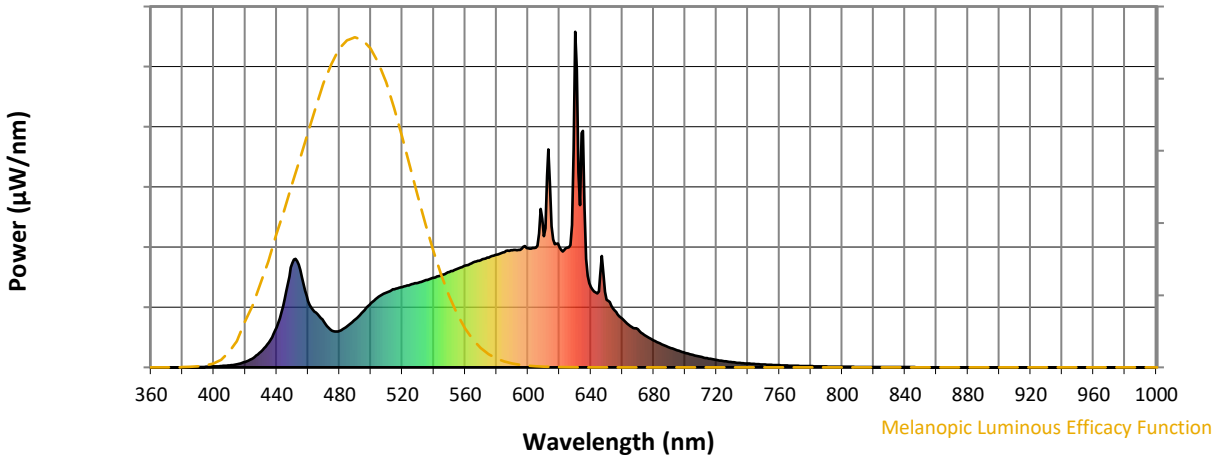
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.17**

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	143	NR	620	358	NR	750	9	NR	880	0	NR
365	0	NR	495	166	NR	625	357	NR	755	7	NR	885	0	NR
370	0	NR	500	191	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	210	NR	635	705	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	239	NR	770	5	NR	900	0	NR
385	0	NR	515	233	NR	645	226	NR	775	4	NR	905	0	NR
390	1	NR	520	240	NR	650	201	NR	780	3	NR	910	0	NR
395	2	NR	525	246	NR	655	170	NR	785	3	NR	915	0	NR
400	3	NR	530	251	NR	660	145	NR	790	2	NR	920	0	NR
405	4	NR	535	260	NR	665	123	NR	795	2	NR	925	0	NR
410	6	NR	540	267	NR	670	113	NR	800	2	NR	930	0	NR
415	9	NR	545	276	NR	675	93	NR	805	2	NR	935	0	NR
420	16	NR	550	284	NR	680	80	NR	810	1	NR	940	0	NR
425	28	NR	555	294	NR	685	69	NR	815	1	NR	945	0	NR
430	46	NR	560	303	NR	690	59	NR	820	1	NR	950	0	NR
435	75	NR	565	313	NR	695	51	NR	825	1	NR	955	0	NR
440	120	NR	570	319	NR	700	43	NR	830	1	NR	960	0	NR
445	203	NR	575	327	NR	705	37	NR	835	1	NR	965	0	NR
450	311	NR	580	336	NR	710	31	NR	840	1	NR	970	0	NR
455	290	NR	585	344	NR	715	26	NR	845	1	NR	975	0	NR
460	197	NR	590	349	NR	720	22	NR	850	0	NR	980	0	NR
465	163	NR	595	350	NR	725	18	NR	855	0	NR	985	0	NR
470	135	NR	600	355	NR	730	15	NR	860	0	NR	990	0	NR
475	110	NR	605	357	NR	735	13	NR	865	0	NR	995	0	NR
480	108	NR	610	391	NR	740	11	NR	870	0	NR	1000	0	NR
485	123	NR	615	421	NR	745	10	NR	875	0	NR			

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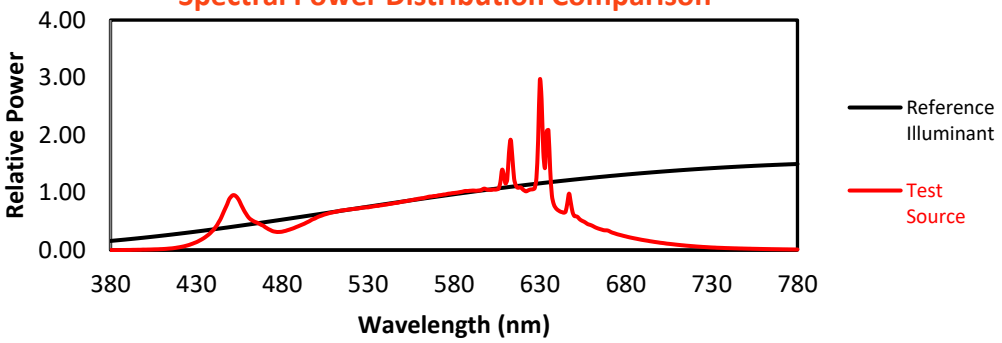
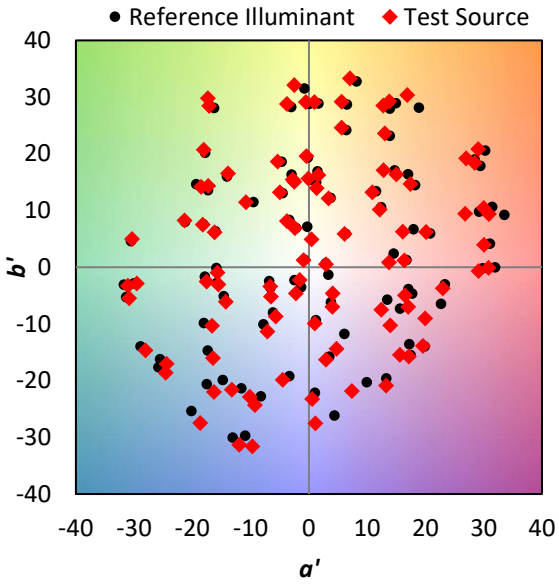
Summary

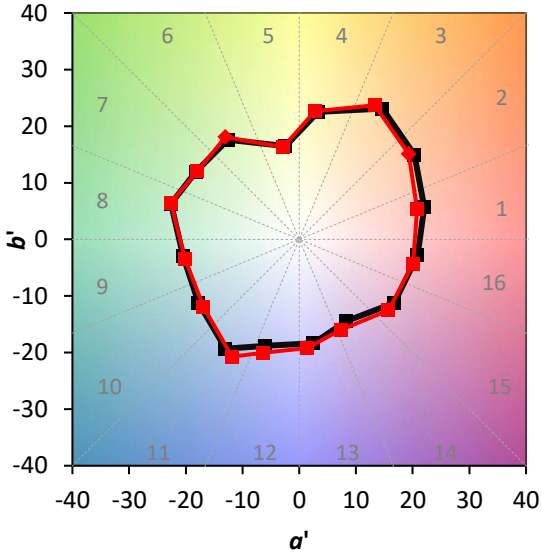
R_f = 91.4
R_g = 100.2
CIE R_a = 93.9
R_9 = 60.5

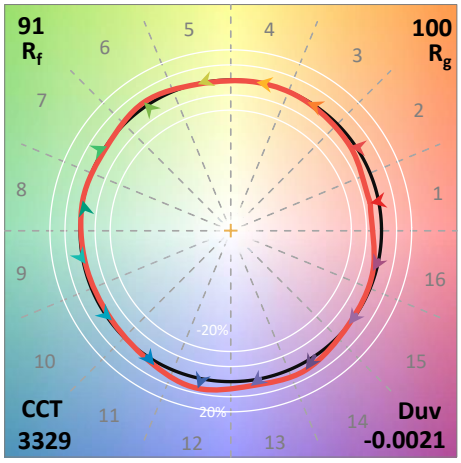
Spectral Power Distribution Comparison

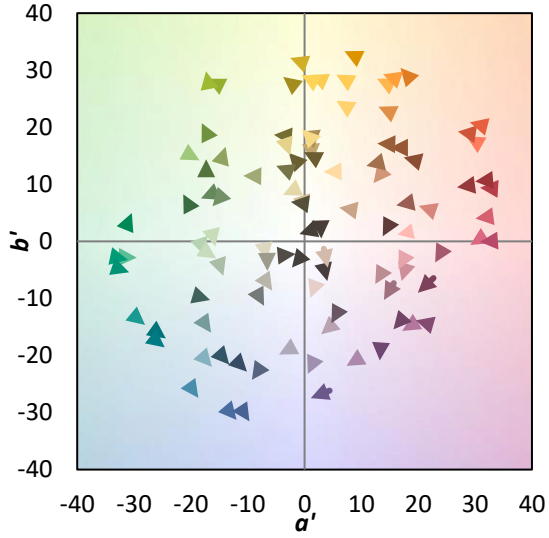


Color Vector Graphics









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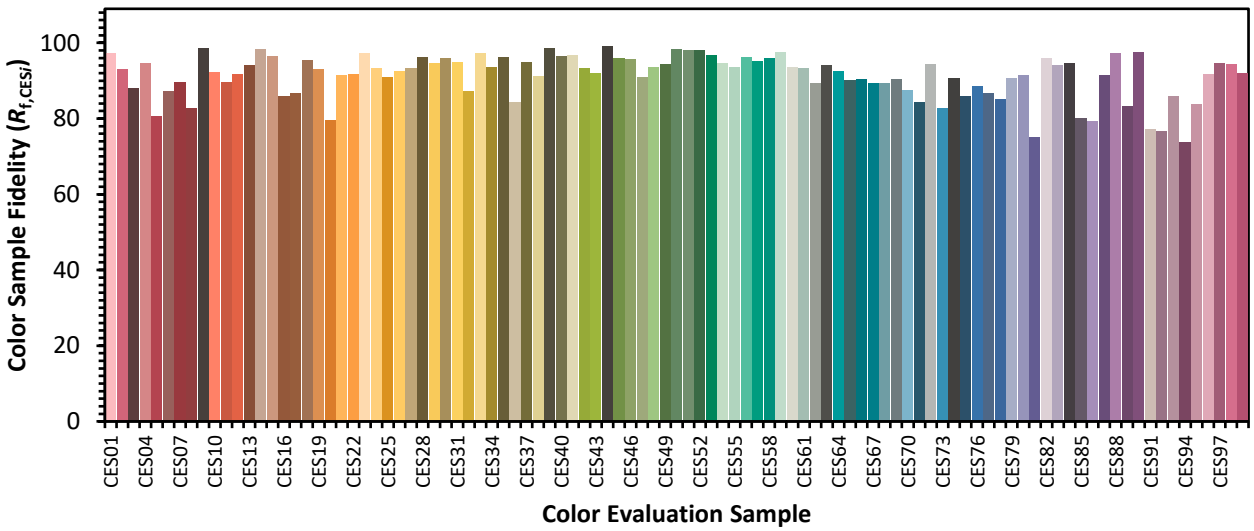
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 93	CES51 = 98	CES76 = 88
CES02 = 63	CES27 = 93	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 96	CES53 = 97	CES78 = 85
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 91
CES05 = 50	CES30 = 96	CES55 = 94	CES80 = 92
CES06 = 51	CES31 = 95	CES56 = 96	CES81 = 75
CES07 = 43	CES32 = 87	CES57 = 95	CES82 = 96
CES08 = 42	CES33 = 97	CES58 = 96	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 96	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 84	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 95	CES62 = 89	CES87 = 91
CES13 = 44	CES38 = 91	CES63 = 94	CES88 = 97
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 83
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 98
CES16 = 48	CES41 = 97	CES66 = 90	CES91 = 77
CES17 = 49	CES42 = 93	CES67 = 89	CES92 = 77
CES18 = 56	CES43 = 92	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 91	CES94 = 74
CES20 = 67	CES45 = 96	CES70 = 88	CES95 = 84
CES21 = 86	CES46 = 96	CES71 = 84	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 94	CES73 = 83	CES98 = 94
CES24 = 90	CES49 = 94	CES74 = 91	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 86	



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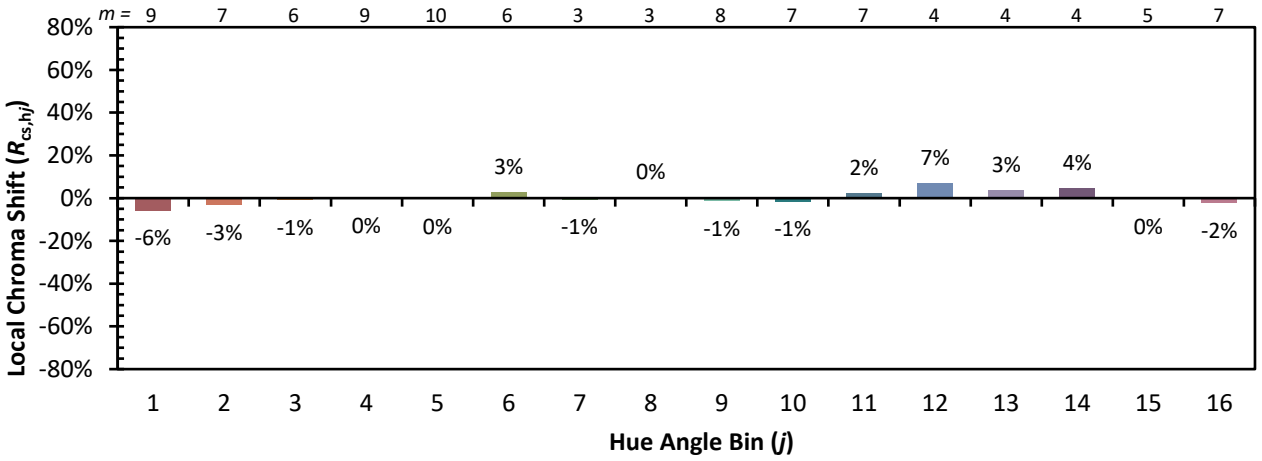
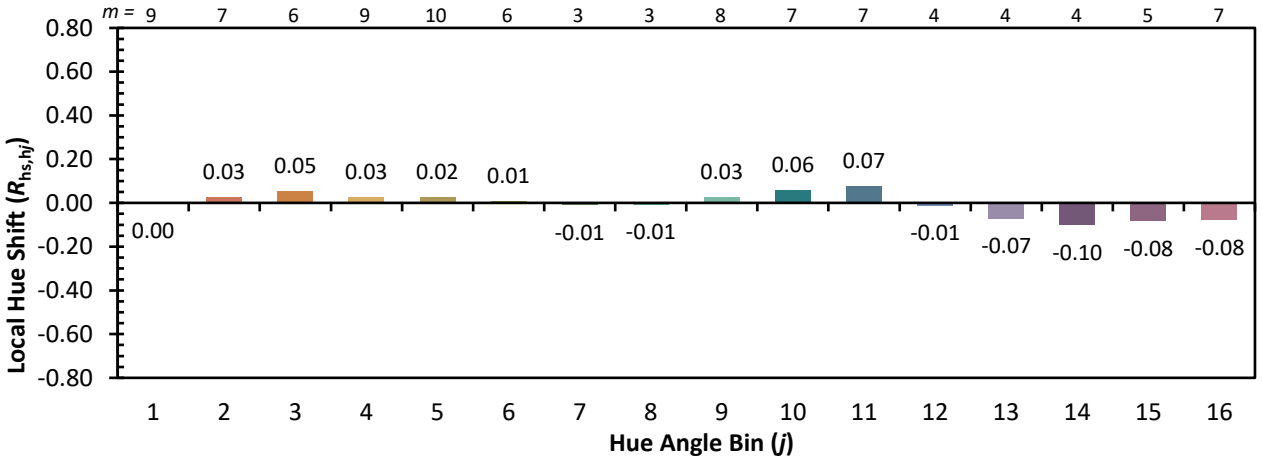
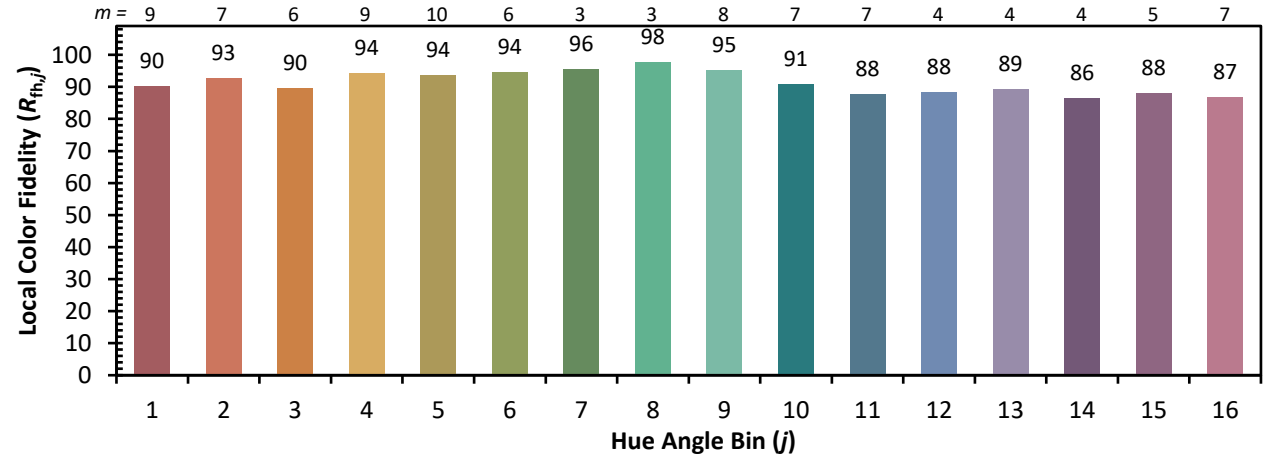
Color Rendition by Hue-Angle Bin







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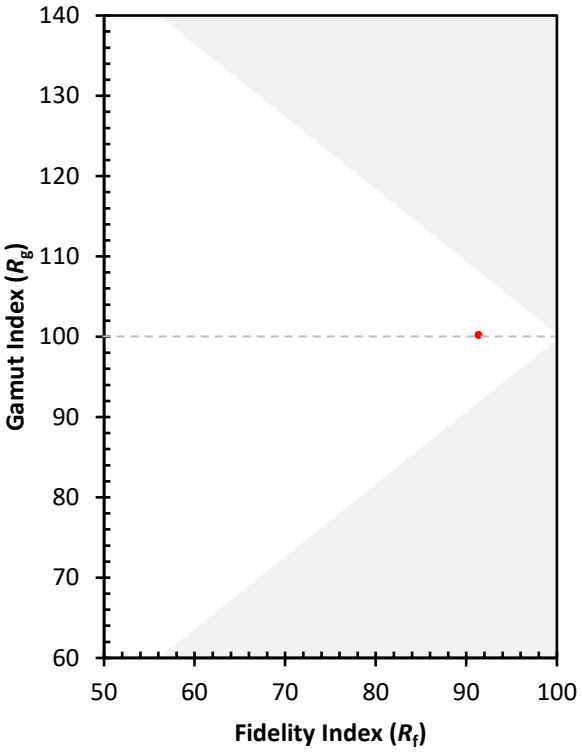
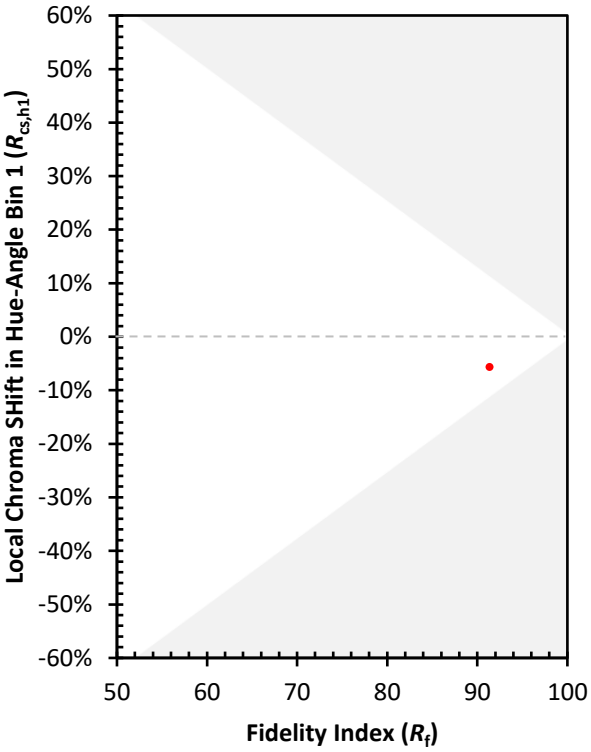
Measure Comparisons





(END OF REPORT)