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: P1433467

Luminaire Tested: EHBR1-18-UNV-W-L935-UPL12

Issue Date: 3/20/2026

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:	P1433467
	REPORT IS A COMBINATION OF REPORTS P1431692 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-18-UNV-W-L935-UPL12
Description:	Elevate Round Highbay at, 19000 lumens, 3500K 90CRI LEDs with W lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17635.6 lumens
Efficiency:	N/A
Efficacy:	172.7 lumens/watt
Spacing Criteria (0/90/45):	1.54 / 1.54 / 1.31
Luminous Opening:	Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type:	Direct

Input Watts (W):	102.1
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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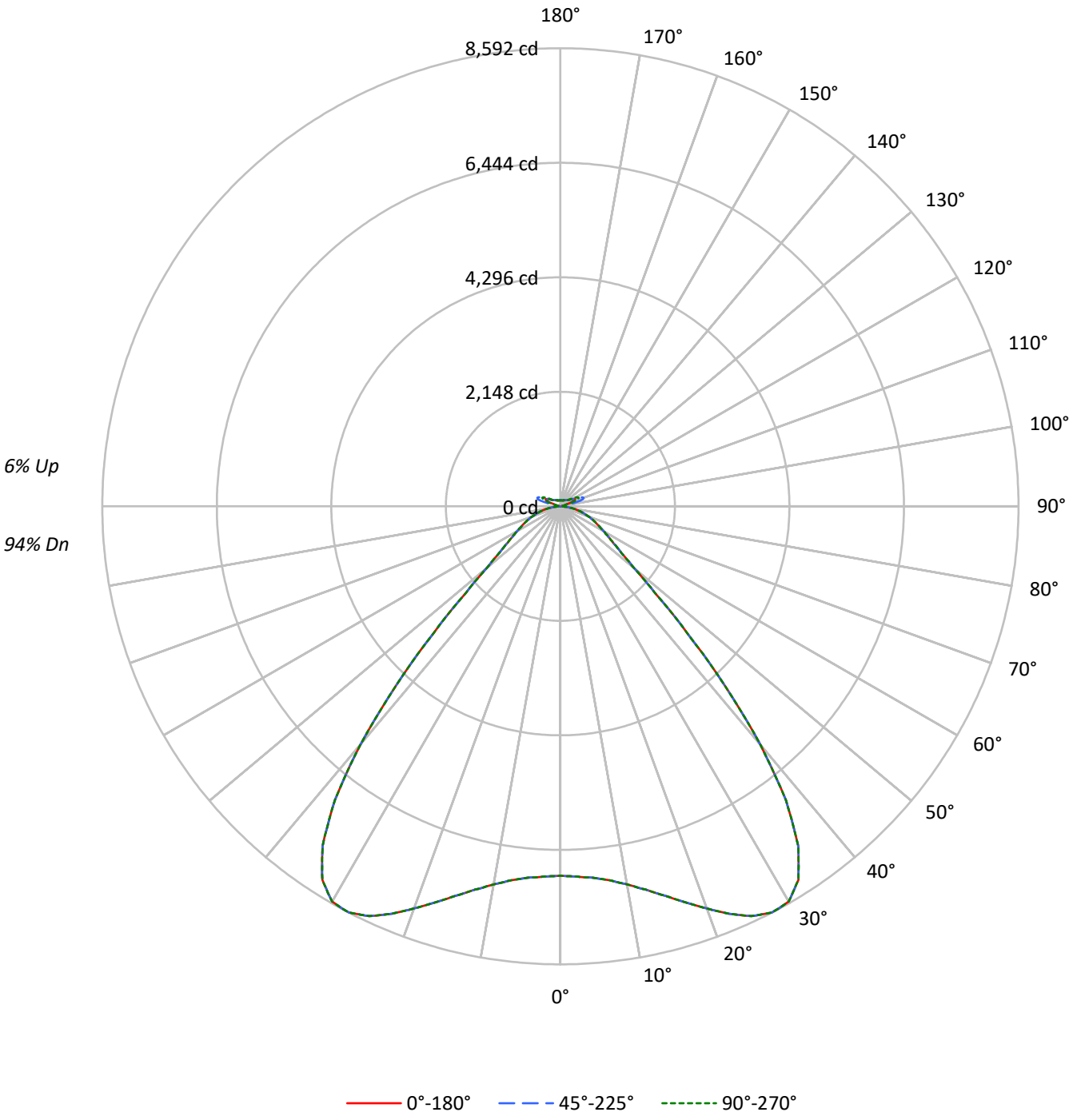
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	110	106	103	100	107	103	100	97	98	96	93	93	91	89	89	87	86	83
2	102	95	90	85	99	93	88	84	89	85	81	85	81	78	81	78	76	74
3	95	86	79	74	92	84	78	73	80	75	71	77	73	69	74	70	67	65
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	68	64	60	58
5	82	71	63	58	79	70	62	57	67	61	56	64	59	55	62	58	54	52
6	76	65	57	52	74	64	56	51	61	55	50	59	54	49	57	52	49	47
7	71	59	52	46	69	58	51	46	56	50	45	54	49	45	53	48	44	42
8	67	55	47	42	65	54	47	42	52	46	41	50	45	40	49	44	40	38
9	62	50	43	38	61	50	43	38	48	42	37	47	41	37	45	40	36	35
10	59	47	39	35	57	46	39	35	45	38	34	43	38	34	42	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32536	32536	32536
5°	32752	32752	32752
10°	33890	33890	33890
15°	36037	36037	36037
20°	39066	39066	39066
25°	42468	42468	42468
30°	44514	44514	44514
35°	42369	42369	42369
40°	33620	33620	33620
45°	20780	20780	20780
50°	12033	12033	12033
55°	9104	9104	9104
60°	7810	7810	7810
65°	7053	7053	7053
70°	6489	6489	6489
75°	5734	5734	5734
80°	4672	4672	4672
85°	2752	2752	2752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20780 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.1	3.8
10°-20°	2161.0	12.3
20°-30°	3900.8	22.1
30°-40°	4713.7	26.7
40°-50°	2693.0	15.3
50°-60°	1140.6	6.5
60°-70°	735.7	4.2
70°-80°	427.8	2.4
80°-90°	115.1	0.7
90°-100°	30.8	0.2
100°-110°	190.6	1.1
110°-120°	340.6	1.9
120°-130°	200.2	1.1
130°-140°	124.0	0.7
140°-150°	87.1	0.5
150°-160°	57.0	0.3
160°-170°	32.7	0.2
170°-180°	10.9	0.1
0°-30°	6735.9	38.2
0°-40°	11449.6	64.9
0°-60°	15283.2	86.7
0°-90°	16561.8	93.9
90°-120°	562.0	3.2
90°-150°	973.3	5.5
90°-180°	1074.0	6.1
0°-180°	17635.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6928	6928	6928	6928	6928	
5°	6993	6993	6993	6993	6993	674
15°	7560	7560	7560	7560	7560	2161
25°	8481	8481	8481	8481	8481	3901
35°	7776	7776	7776	7776	7776	4714
45°	3362	3362	3362	3362	3362	2693
55°	1230	1230	1230	1230	1230	1141
65°	736	736	736	736	736	736
75°	404	404	404	404	404	428
85°	95	95	95	95	95	109
90°	8	13	22	14	8	8
95°	14	23	50	25	16	13
105°	67	131	335	145	88	89
115°	306	322	396	379	377	282
125°	221	207	212	215	242	202
135°	163	158	164	154	153	127
145°	136	134	142	140	139	86
155°	120	119	124	124	124	56
165°	113	113	116	116	116	32
175°	112	112	114	114	114	11
180°	114	114	114	114	114	

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TEST NUMBER: P1433467
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*6928.3*	6928.3	6928.3	6928.3	6928.3
2.5°	*6951.6*	6951.6	6951.6	6951.6	6951.6
5°	*6993.1*	6993.1	6993.1	6993.1	6993.1
7.5°	*7074.7*	7074.7	7074.7	7074.7	7074.7
10°	*7200.3*	7200.3	7200.3	7200.3	7200.3
12.5°	*7363.7*	7363.7	7363.7	7363.7	7363.7
15°	*7560.4*	7560.4	7560.4	7560.4	7560.4
17.5°	*7785.7*	7785.7	7785.7	7785.7	7785.7
20°	*8029.1*	8029.1	8029.1	8029.1	8029.1
22.5°	*8274.0*	8274.0	8274.0	8274.0	8274.0
25°	*8480.8*	8480.8	8480.8	8480.8	8480.8
27.5°	*8592.0*	*8592.0*	*8592.0*	*8592.0*	*8592.0*
30°	*8562.2*	8562.2	8562.2	8562.2	8562.2
32.5°	*8308.3*	8308.3	8308.3	8308.3	8308.3
35°	*7776.3*	7776.3	7776.3	7776.3	7776.3
37.5°	*6946.8*	6946.8	6946.8	6946.8	6946.8
40°	*5827.2*	5827.2	5827.2	5827.2	5827.2
42.5°	*4560.9*	4560.9	4560.9	4560.9	4560.9
45°	*3362.1*	3362.1	3362.1	3362.1	3362.1
47.5°	*2403.0*	2403.0	2403.0	2403.0	2403.0
50°	*1793.3*	1793.3	1793.3	1793.3	1793.3
52.5°	*1452.0*	1452.0	1452.0	1452.0	1452.0
55°	*1230.3*	1230.3	1230.3	1230.3	1230.3
57.5°	*1068.4*	1068.4	1068.4	1068.4	1068.4
60°	*938.9*	938.9	938.9	938.9	938.9
62.5°	*830.9*	830.9	830.9	830.9	830.9
65°	*736.2*	736.2	736.2	736.2	736.2
67.5°	*652.6*	652.6	652.6	652.6	652.6
70°	*569.4*	569.4	569.4	569.4	569.4
72.5°	*486.3*	486.3	486.3	486.3	486.3
75°	*403.9*	403.9	403.9	403.9	403.9
77.5°	*324.4*	324.4	324.4	324.4	324.4
80°	*245.8*	245.8	245.8	245.8	245.8
82.5°	*168.6*	168.6	168.6	168.6	168.6
85°	*94.6*	94.6	94.6	94.6	94.6
87.5°	*29.9*	29.9	29.9	29.9	29.9
90°	*8.4*	13.3	22.5	14.5	8.4
92.5°	*11.9*	19.8	35.6	18.5	10.6
95°	*14.0*	23.0	49.8	24.9	15.8
97.5°	*17.6*	25.5	57.2	30.4	24.3
100°	*23.0*	29.7	88.8	37.1	32.2
102.5°	*38.9*	62.6	188.1	69.3	48.7
105°	*66.9*	131.4	334.7	144.8	88.2
107.5°	*115.6*	234.9	441.2	256.2	166.8
110°	*215.7*	311.9	462.9	352.0	266.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*291.2*	335.0	443.4	388.5	347.1
115°	*306.4*	322.2	395.9	379.4	377.0
117.5°	*296.0*	294.2	336.2	341.1	364.3
120°	*274.2*	261.9	280.8	297.8	328.9
122.5°	*246.7*	232.1	240.6	253.4	284.5
125°	*221.4*	206.8	212.4	215.3	241.5
127.5°	*198.9*	189.2	192.2	188.6	205.0
130°	*184.0*	175.5	179.7	171.2	179.1
132.5°	*171.7*	166.2	171.1	160.8	163.2
135°	*162.9*	158.0	163.5	153.7	153.2
137.5°	*155.3*	151.0	156.4	149.2	147.3
140°	*148.5*	144.9	151.0	145.6	144.3
142.5°	*140.9*	138.5	145.8	142.1	140.9
145°	*135.7*	133.9	141.8	139.9	139.4
147.5°	*131.1*	129.9	137.2	136.6	136.6
150°	*126.9*	125.6	133.0	132.3	133.0
152.5°	*122.6*	121.4	128.1	127.4	128.1
155°	*119.8*	118.6	124.1	124.1	124.1
157.5°	*117.4*	116.7	121.1	121.1	121.1
160°	*115.8*	115.2	118.9	118.9	118.3
162.5°	*114.3*	113.7	117.9	117.3	117.3
165°	*113.0*	113.0	116.1	116.1	115.5
167.5°	*113.0*	112.5	115.5	115.5	114.9
170°	*112.5*	112.5	114.9	114.3	113.7
172.5°	*112.7*	112.7	115.2	114.6	113.9
175°	*112.4*	112.4	114.2	114.2	114.2
177.5°	*113.0*	113.0	114.2	114.2	113.6
180°	*113.8*	113.8	113.8	113.8	113.8

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TEST NUMBER: P1433467
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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	16.11	17.31	16.58	17.75	18.22	16.11	17.31	16.58	17.75	18.22
	3H	17.61	18.68	18.09	19.13	19.65	17.61	18.68	18.09	19.13	19.65
	4H	18.17	19.17	18.67	19.64	20.17	18.17	19.17	18.67	19.64	20.17
	6H	18.55	19.47	19.07	19.96	20.50	18.55	19.47	19.07	19.96	20.50
	8H	18.65	19.52	19.18	20.03	20.58	18.65	19.52	19.18	20.03	20.58
	12H	18.69	19.52	19.22	20.02	20.60	18.69	19.52	19.22	20.02	20.60
4H	2H	16.55	17.55	17.06	18.02	18.56	16.55	17.55	17.06	18.02	18.56
	3H	18.27	19.09	18.79	19.61	20.16	18.27	19.09	18.79	19.61	20.16
	4H	18.95	19.69	19.49	20.22	20.80	18.95	19.69	19.49	20.22	20.80
	6H	19.45	20.08	20.01	20.64	21.25	19.45	20.08	20.01	20.64	21.25
	8H	19.58	20.17	20.15	20.73	21.34	19.58	20.17	20.15	20.73	21.34
	12H	19.64	20.16	20.22	20.75	21.37	19.64	20.16	20.22	20.75	21.37
8H	4H	19.15	19.75	19.72	20.30	20.91	19.15	19.75	19.72	20.30	20.91
	6H	19.75	20.23	20.35	20.84	21.46	19.75	20.23	20.35	20.84	21.46
	8H	19.93	20.37	20.55	20.99	21.62	19.93	20.37	20.55	20.99	21.62
	12H	20.04	20.43	20.66	21.02	21.73	20.04	20.43	20.66	21.02	21.73
12H	4H	19.15	19.68	19.73	20.26	20.88	19.15	19.68	19.73	20.26	20.88
	6H	19.76	20.20	20.38	20.82	21.45	19.76	20.20	20.38	20.82	21.45
	8H	19.99	20.37	20.60	20.97	21.68	19.99	20.37	20.60	20.97	21.68

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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: SP1-2506-472-6

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L935-N

Data in this report applies to families of products including EHBR-60-L935-N

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

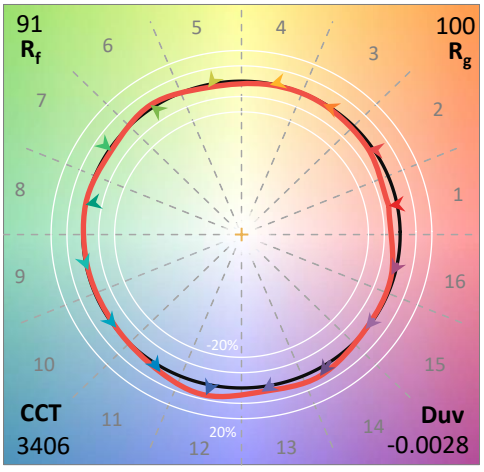
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/05/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**EHBR-60-L935-N**
Description:	Elevate Round Highbay at, 60000 lumens, 3500K 90CRI LEDs with N lens

Spectral Parameters

CCT (K):	3406	CRI (Ra):	94.6		
CIE u':	0.2394	R1:	96.6	R9:	63.8
CIE v':	0.5094	R2:	98.4	R10:	94.7
Duv:	-0.0028	R3:	98.1	R11:	96.6
CIE x:	0.4076	R4:	95.8	R12:	80.9
CIE y:	0.3856	R5:	96.2	R13:	97.4
CIE z:	0.2068	R6:	95.4	R14:	98.3
Peak Wavelength (nm):	630	R7:	91.8	R15:	93.1
Dominant Wavelength (nm):	582	R8:	84.4		
Purity:	38.0517				

Rf:	91.3
Rg:	100



Test Conditions

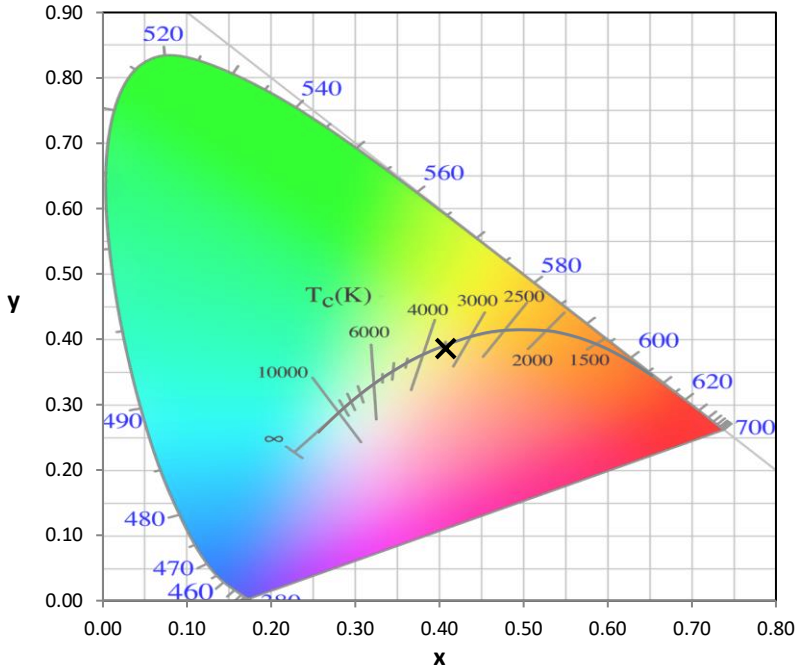
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-6

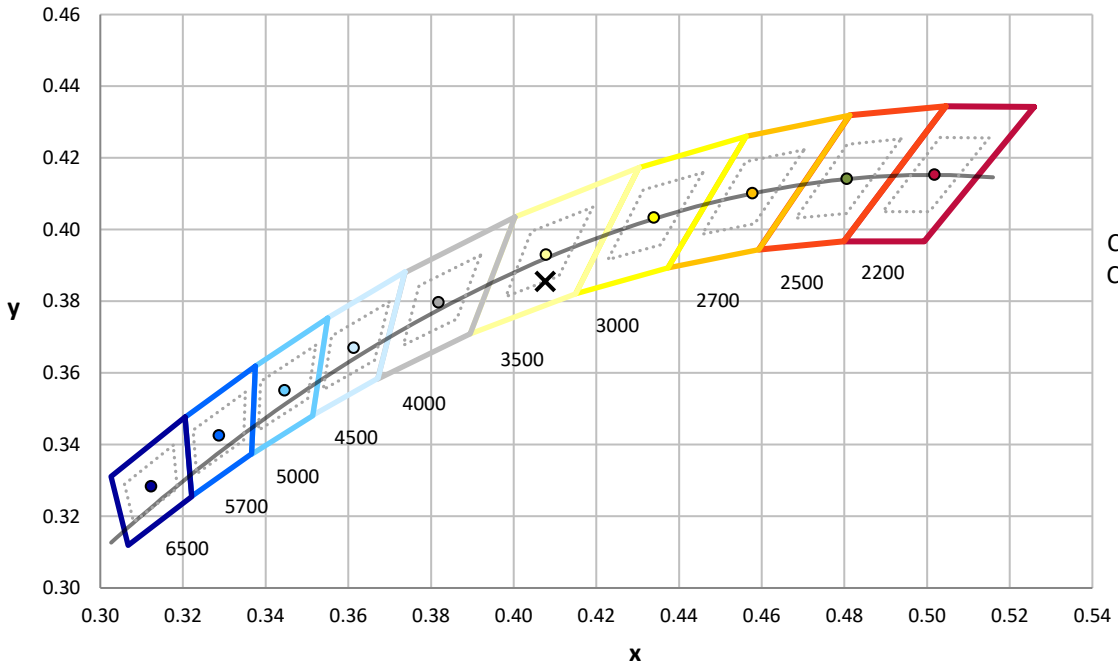
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-6

CIE 1931 Chromaticity Diagram



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

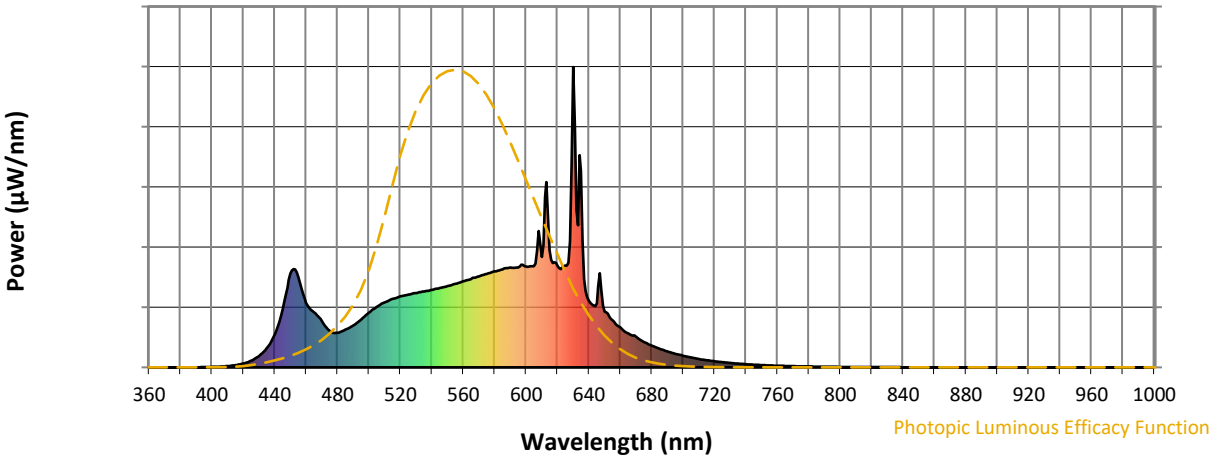


CCT = 3406K
CIE x = 0.4076
CIE y = 0.3856
Duv = -0.0028

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-6

Photopic Flux vs. Wavelength

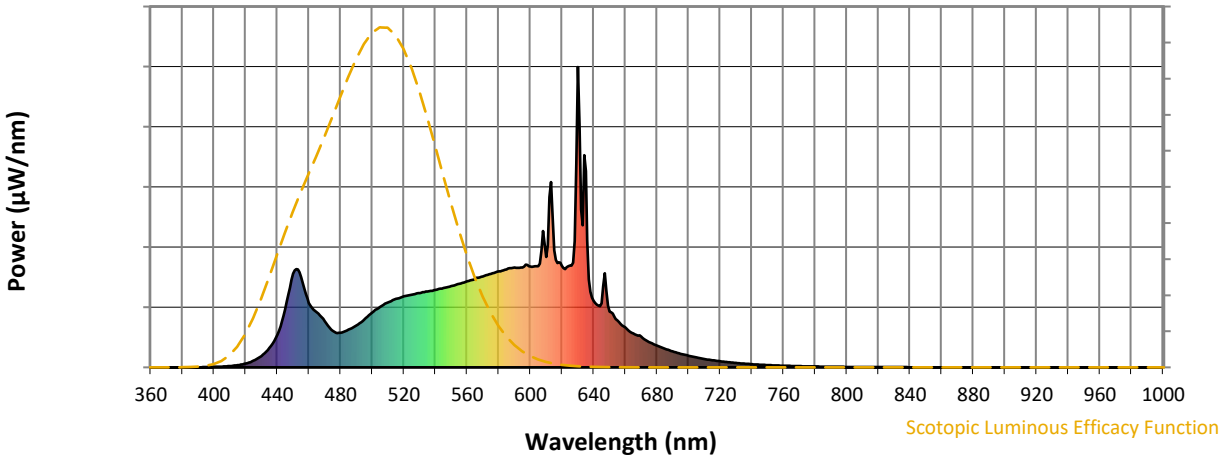


Photopic Lumens: NR

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Scotopic Flux vs. Wavelength

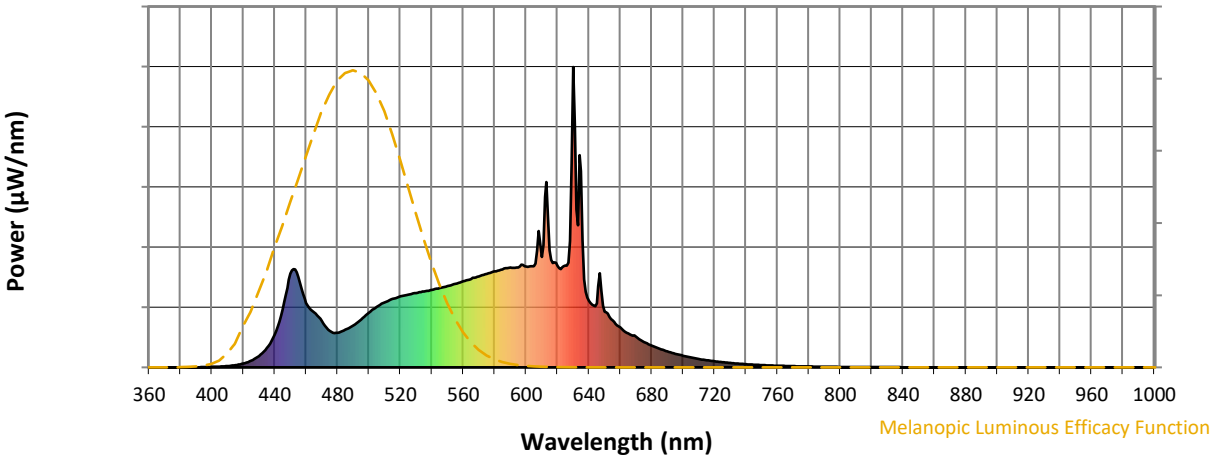


Scotopic Lumens: NR **S/P: 1.62**

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.3**

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	140	NR	620	338	NR	750	8	NR	880	0	NR
365	0	NR	495	159	NR	625	339	NR	755	7	NR	885	0	NR
370	0	NR	500	182	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	202	NR	635	653	NR	765	5	NR	895	0	NR
380	0	NR	510	216	NR	640	222	NR	770	4	NR	900	0	NR
385	0	NR	515	228	NR	645	214	NR	775	3	NR	905	0	NR
390	0	NR	520	236	NR	650	185	NR	780	3	NR	910	0	NR
395	1	NR	525	242	NR	655	157	NR	785	3	NR	915	0	NR
400	2	NR	530	248	NR	660	133	NR	790	2	NR	920	0	NR
405	3	NR	535	253	NR	665	113	NR	795	2	NR	925	0	NR
410	4	NR	540	258	NR	670	103	NR	800	2	NR	930	0	NR
415	7	NR	545	264	NR	675	85	NR	805	1	NR	935	0	NR
420	13	NR	550	270	NR	680	72	NR	810	1	NR	940	0	NR
425	22	NR	555	278	NR	685	62	NR	815	1	NR	945	0	NR
430	38	NR	560	286	NR	690	53	NR	820	1	NR	950	0	NR
435	65	NR	565	295	NR	695	45	NR	825	1	NR	955	0	NR
440	108	NR	570	303	NR	700	39	NR	830	1	NR	960	0	NR
445	193	NR	575	311	NR	705	33	NR	835	1	NR	965	0	NR
450	312	NR	580	319	NR	710	28	NR	840	1	NR	970	0	NR
455	300	NR	585	326	NR	715	24	NR	845	0	NR	975	0	NR
460	214	NR	590	332	NR	720	20	NR	850	0	NR	980	0	NR
465	184	NR	595	333	NR	725	17	NR	855	0	NR	985	0	NR
470	153	NR	600	336	NR	730	15	NR	860	0	NR	990	0	NR
475	122	NR	605	337	NR	735	12	NR	865	0	NR	995	0	NR
480	115	NR	610	367	NR	740	10	NR	870	0	NR	1000	0	NR
485	125	NR	615	390	NR	745	9	NR	875	0	NR			

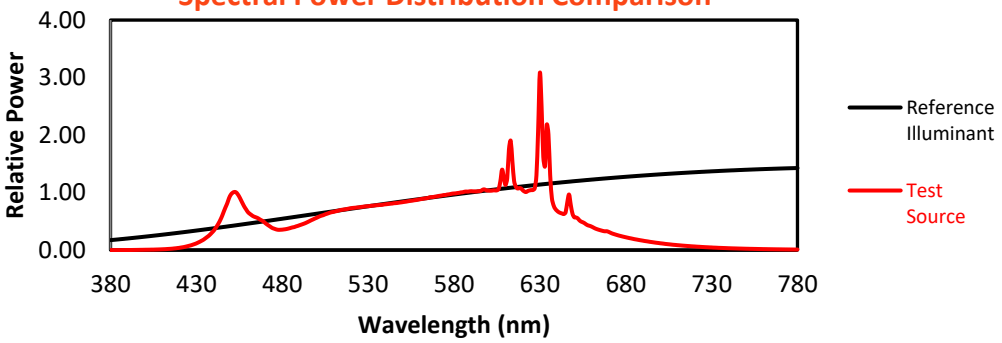
REPORT NUMBER: SP1-2506-472-6

TM-30-18

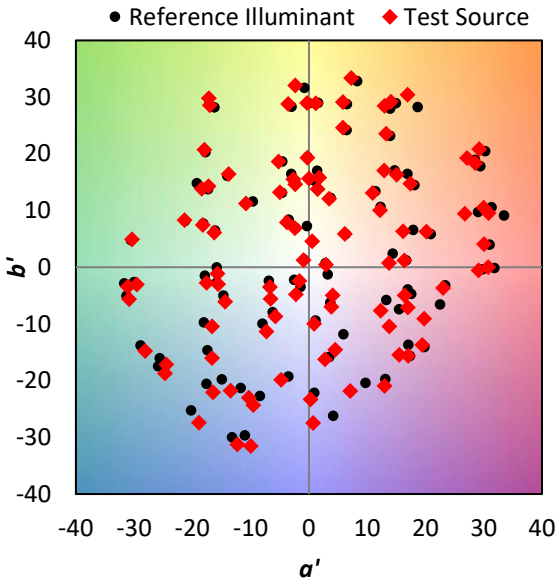
Summary

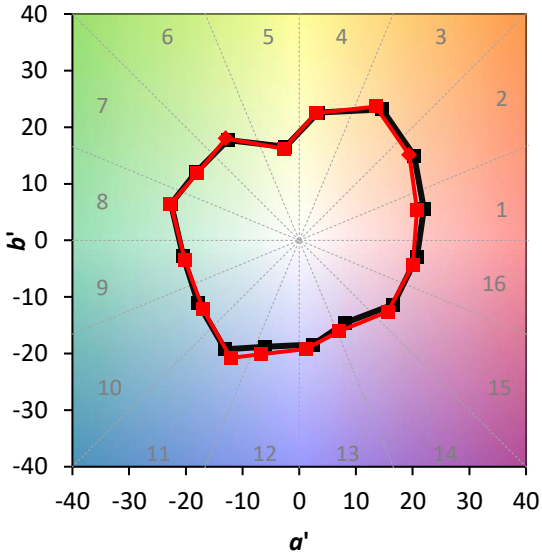
R_f = 91.3
R_g = 100
CIE R_a = 94.6
R_9 = 63.8

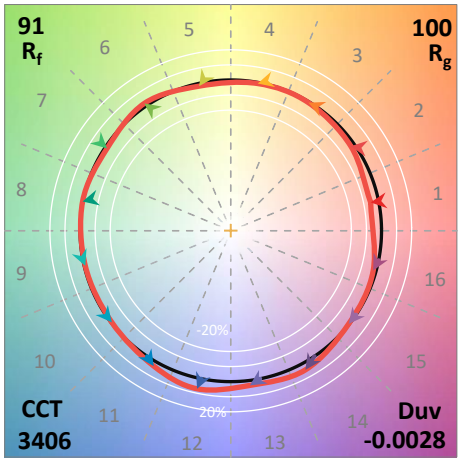
Spectral Power Distribution Comparison

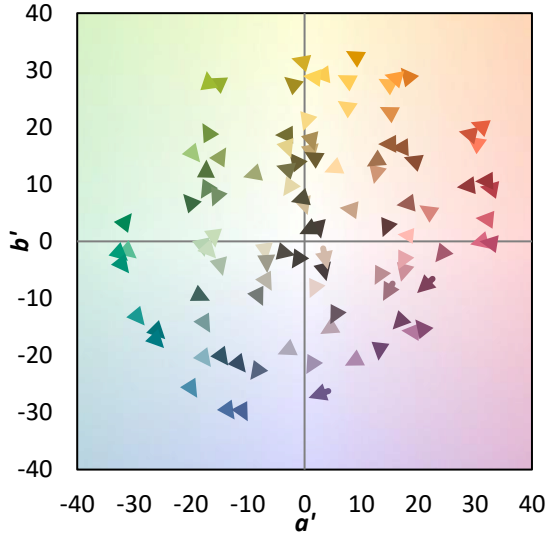


Color Vector Graphics







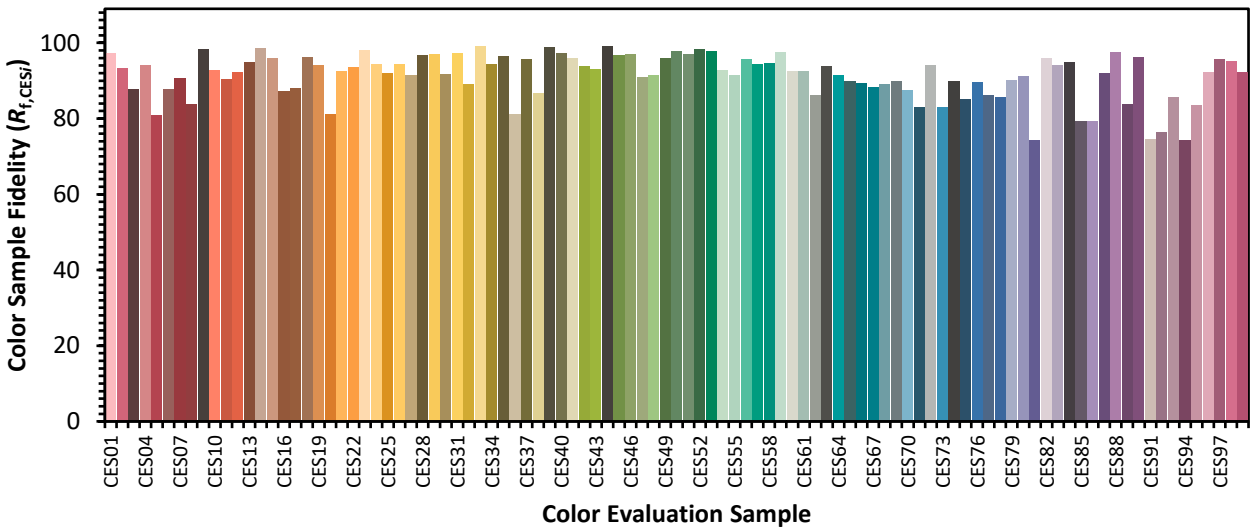


REPORT NUMBER: SP1-2506-472-6

TM-30-18

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

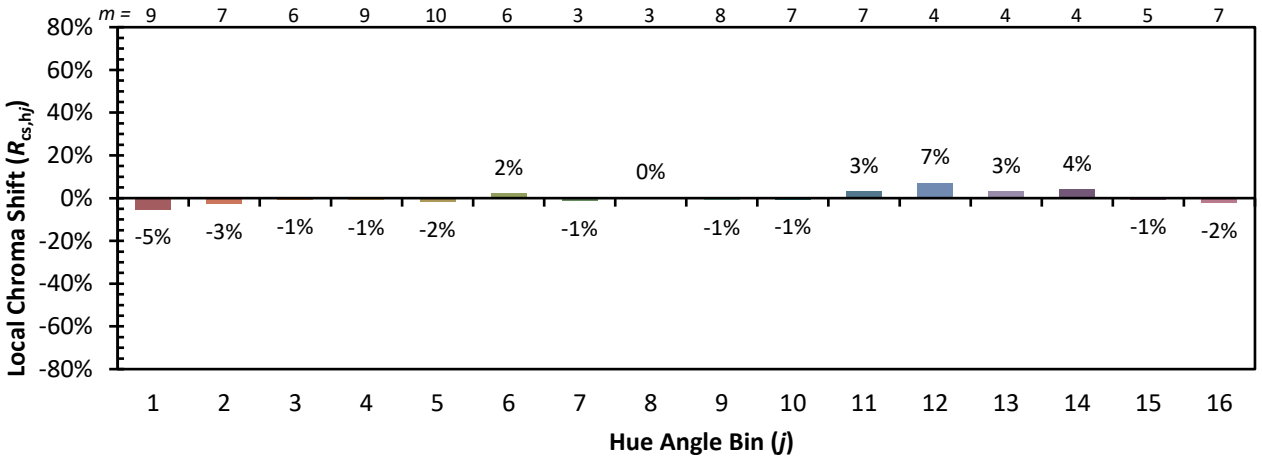
CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 90
CES02 = 63	CES27 = 92	CES52 = 98	CES77 = 86
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 90
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 97	CES56 = 96	CES81 = 74
CES07 = 43	CES32 = 89	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 92	CES85 = 79
CES11 = 58	CES36 = 81	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 96	CES62 = 86	CES87 = 92
CES13 = 44	CES38 = 87	CES63 = 94	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 75
CES17 = 49	CES42 = 94	CES67 = 88	CES92 = 76
CES18 = 56	CES43 = 93	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 90	CES94 = 74
CES20 = 67	CES45 = 97	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 90	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 85	

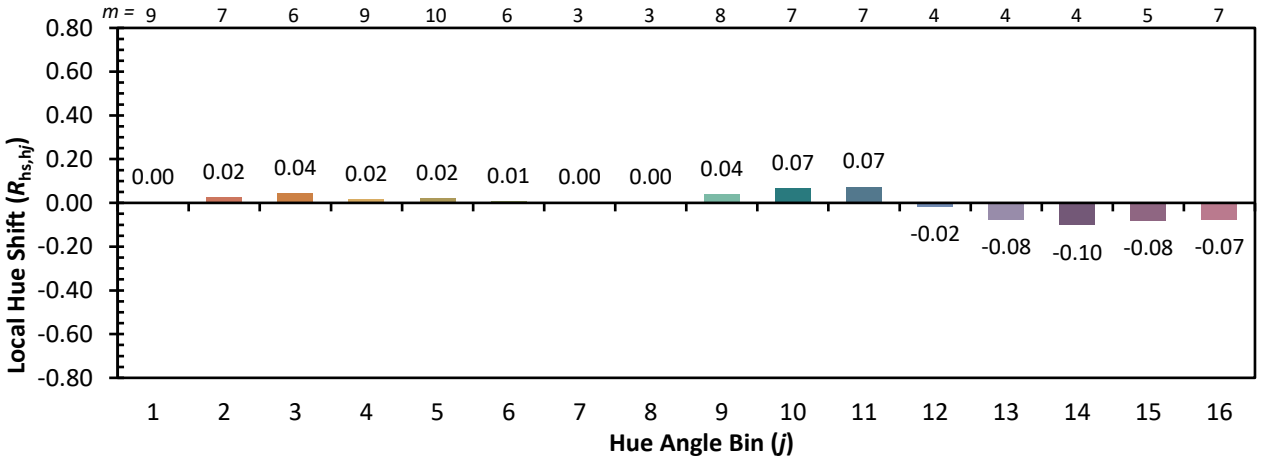


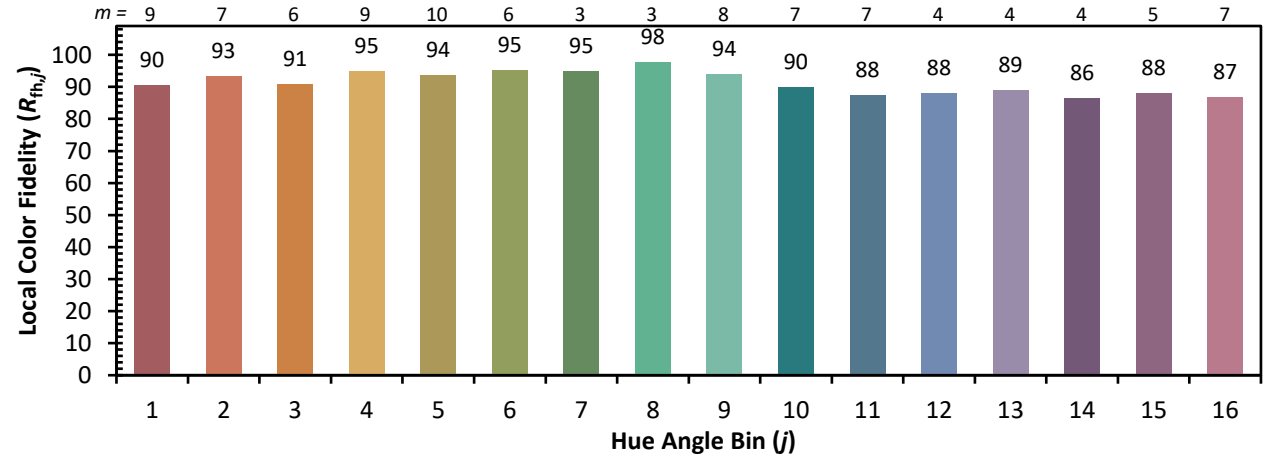
REPORT NUMBER: SP1-2506-472-6

TM-30-18

Color Rendition by Hue-Angle Bin



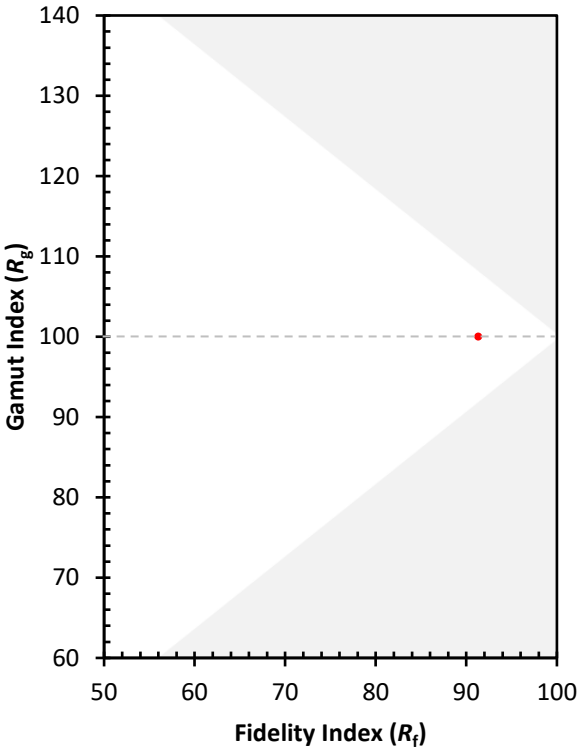


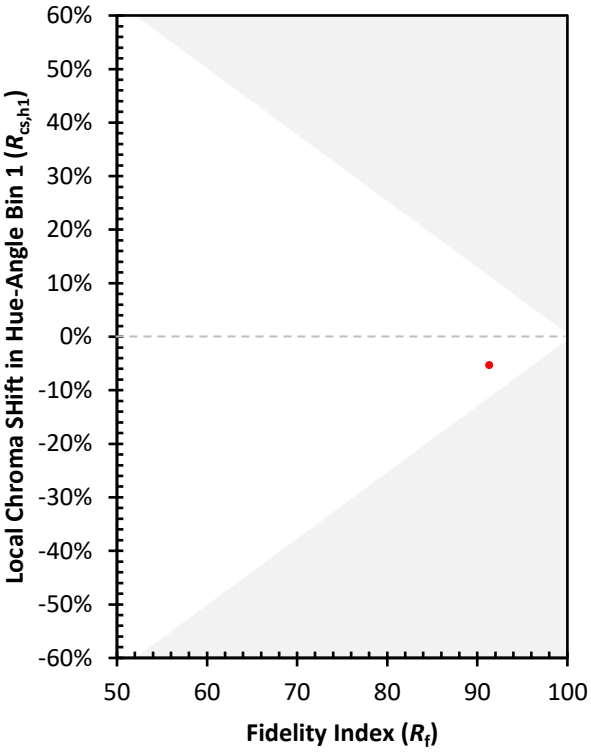


REPORT NUMBER: SP1-2506-472-6

TM-30-18

Measure Comparisons





(END OF REPORT)