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: P1433132

Luminaire Tested: EHBR1-18-UNV-N-L930-UPL18

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:	P1433132
	REPORT IS A COMBINATION OF REPORTS P1431686 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-18-UNV-N-L930-UPL18
Description:	Elevate Round Highbay at, 19000 lumens, 3000K 90CRI LEDs with N lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18173.7 lumens
Efficiency:	N/A
Efficacy:	170.5 lumens/watt
Spacing Criteria (0/90/45):	0.82 / 0.82 / 0.8
Luminous Opening:	Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type:	Direct

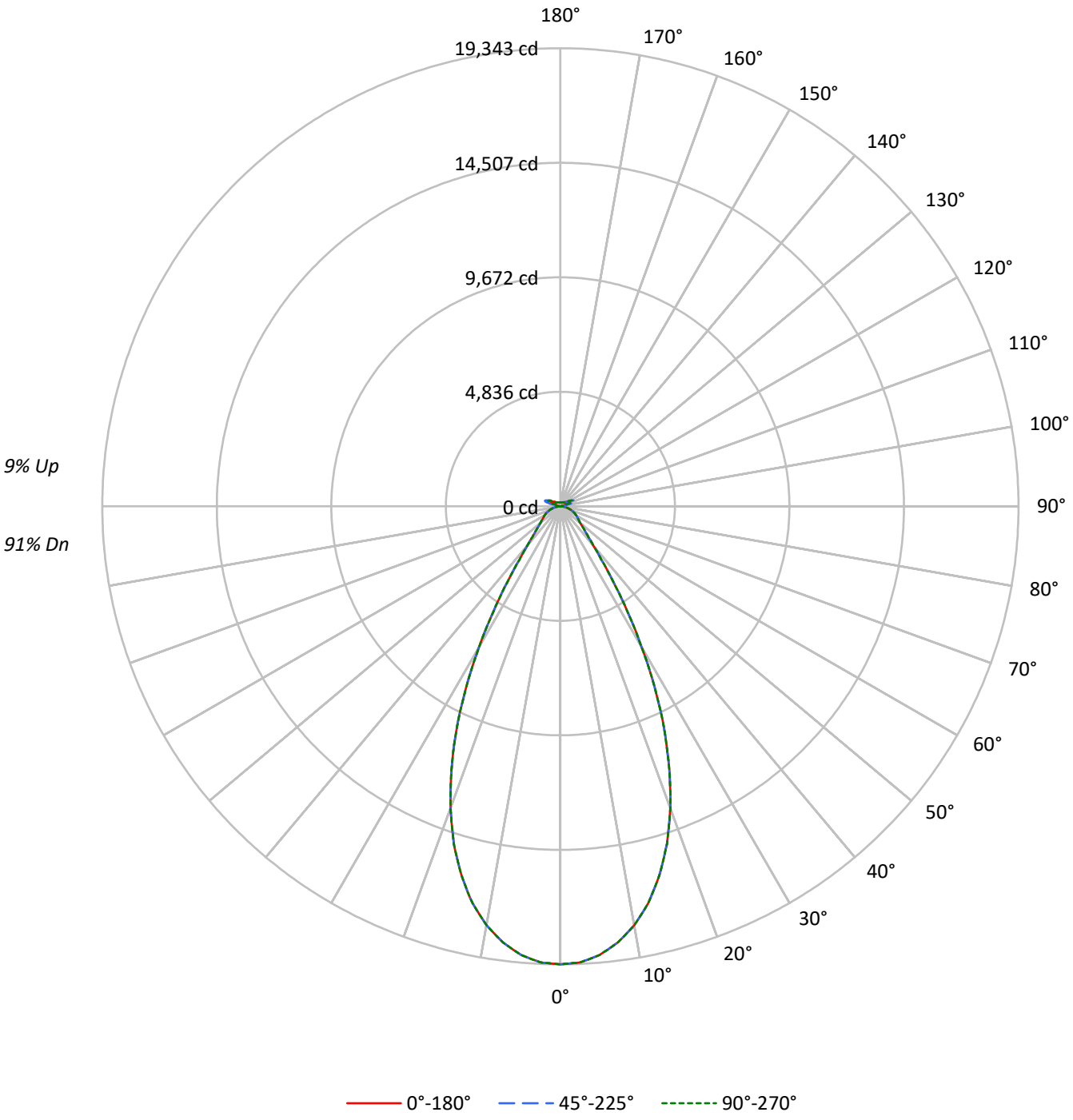
Input Watts (W):	106.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

TEST NUMBER: P1433132
CATALOG NUMBER: EHBR1-18-UNV-N-L930-UPL18

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1433132
CATALOG NUMBER: EHBR1-18-UNV-N-L930-UPL18

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	110	107	104	101	107	104	101	99	98	96	94	93	91	90	88	87	86	83
2	103	98	93	89	100	95	91	87	90	87	84	86	83	81	82	80	78	76
3	97	90	84	80	94	88	83	78	84	80	76	80	77	74	77	74	71	69
4	92	83	77	72	89	81	76	71	78	73	69	75	71	68	72	69	66	64
5	87	77	71	66	84	76	70	65	73	68	64	70	66	62	68	64	61	59
6	82	72	66	61	80	71	65	60	68	63	59	66	62	58	64	60	57	55
7	78	68	61	56	76	66	60	56	64	59	55	62	58	54	60	56	53	52
8	74	63	57	53	72	62	56	52	61	55	51	59	54	51	57	53	50	48
9	70	60	53	49	68	59	53	49	57	52	48	56	51	48	54	50	47	46
10	67	56	50	46	65	56	50	46	54	49	45	53	48	45	52	47	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90835	90835	90835
5°	89072	89072	89072
10°	84540	84540	84540
15°	76919	76919	76919
20°	65980	65980	65980
25°	51904	51904	51904
30°	35620	35620	35620
35°	21159	21159	21159
40°	12519	12519	12519
45°	8987	8987	8987
50°	7387	7387	7387
55°	6714	6714	6714
60°	6427	6427	6427
65°	6130	6130	6130
70°	5701	5701	5701
75°	5154	5154	5154
80°	4277	4277	4277
85°	2709	2709	2709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8987 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1433132
CATALOG NUMBER: EHBR1-18-UNV-N-L930-UPL18

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1781.8	9.8
10°-20°	4472.5	24.6
20°-30°	4676.5	25.7
30°-40°	2533.9	13.9
40°-50°	1165.7	6.4
50°-60°	821.5	4.5
60°-70°	632.2	3.5
70°-80°	383.3	2.1
80°-90°	110.8	0.6
90°-100°	45.5	0.3
100°-110°	285.1	1.6
110°-120°	509.8	2.8
120°-130°	299.1	1.6
130°-140°	183.5	1.0
140°-150°	127.3	0.7
150°-160°	82.7	0.5
160°-170°	47.1	0.3
170°-180°	15.6	0.1
0°-30°	10930.8	60.1
0°-40°	13464.7	74.1
0°-60°	15451.8	85.0
0°-90°	16578.1	91.2
90°-120°	840.4	4.6
90°-150°	1450.2	8.0
90°-180°	1596.0	8.8
0°-180°	18173.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19343	19343	19343	19343	19343	
5°	19018	19018	19018	19018	19018	1782
15°	16137	16137	16137	16137	16137	4473
25°	10365	10365	10365	10365	10365	4676
35°	3884	3884	3884	3884	3884	2534
45°	1454	1454	1454	1454	1454	1166
55°	907	907	907	907	907	821
65°	640	640	640	640	640	632
75°	363	363	363	363	363	383
85°	93	93	93	93	93	103
90°	12	20	33	22	12	10
95°	20	34	74	36	23	19
105°	100	196	501	216	132	133
115°	458	482	593	568	564	422
125°	331	309	317	322	361	301
135°	241	234	242	227	226	189
145°	198	195	207	205	204	126
155°	174	172	180	180	180	81
165°	162	162	167	167	166	46
175°	161	161	164	164	164	15
180°	162	162	162	162	162	

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

Scaled Data Report

TEST NUMBER: P1433132
CATALOG NUMBER: EHBR1-18-UNV-N-L930-UPL18

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19342.6	19342.6	19342.6	19342.6	19342.6
2.5°	19274.1	19274.1	19274.1	19274.1	19274.1
5°	19018.2	19018.2	19018.2	19018.2	19018.2
7.5°	18581.3	18581.3	18581.3	18581.3	18581.3
10°	17961.6	17961.6	17961.6	17961.6	17961.6
12.5°	17160.6	17160.6	17160.6	17160.6	17160.6
15°	16137.3	16137.3	16137.3	16137.3	16137.3
17.5°	14950.2	14950.2	14950.2	14950.2	14950.2
20°	13560.8	13560.8	13560.8	13560.8	13560.8
22.5°	12014.0	12014.0	12014.0	12014.0	12014.0
25°	10365.2	10365.2	10365.2	10365.2	10365.2
27.5°	8617.2	8617.2	8617.2	8617.2	8617.2
30°	6851.4	6851.4	6851.4	6851.4	6851.4
32.5°	5258.2	5258.2	5258.2	5258.2	5258.2
35°	3883.5	3883.5	3883.5	3883.5	3883.5
37.5°	2851.4	2851.4	2851.4	2851.4	2851.4
40°	2169.9	2169.9	2169.9	2169.9	2169.9
42.5°	1740.0	1740.0	1740.0	1740.0	1740.0
45°	1454.1	1454.1	1454.1	1454.1	1454.1
47.5°	1248.0	1248.0	1248.0	1248.0	1248.0
50°	1100.9	1100.9	1100.9	1100.9	1100.9
52.5°	993.5	993.5	993.5	993.5	993.5
55°	907.3	907.3	907.3	907.3	907.3
57.5°	837.3	837.3	837.3	837.3	837.3
60°	772.6	772.6	772.6	772.6	772.6
62.5°	707.9	707.9	707.9	707.9	707.9
65°	639.8	639.8	639.8	639.8	639.8
67.5°	570.4	570.4	570.4	570.4	570.4
70°	500.2	500.2	500.2	500.2	500.2
72.5°	431.9	431.9	431.9	431.9	431.9
75°	363.1	363.1	363.1	363.1	363.1
77.5°	295.6	295.6	295.6	295.6	295.6
80°	225.0	225.0	225.0	225.0	225.0
82.5°	157.6	157.6	157.6	157.6	157.6
85°	93.1	93.1	93.1	93.1	93.1
87.5°	33.3	33.3	33.3	33.3	33.3
90°	12.4	19.7	33.4	21.6	12.4
92.5°	17.4	29.2	52.9	27.4	15.5
95°	20.1	33.8	74.0	36.5	22.8
97.5°	25.6	37.4	84.9	44.7	35.6
100°	33.8	43.8	132.4	54.8	47.5
102.5°	57.6	93.1	281.3	103.2	72.2
105°	99.5	196.4	501.4	216.5	131.5
107.5°	172.6	351.6	661.2	383.6	249.3
110°	322.4	466.7	693.2	527.0	399.1

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

Scaled Data Report

TEST NUMBER: P1433132
CATALOG NUMBER: EHBR1-18-UNV-N-L930-UPL18

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*435.7*	501.4	664.0	581.8	519.7
115°	*458.5*	482.3	592.8	568.1	564.4
117.5°	*443.0*	440.2	503.2	510.5	545.3
120°	*410.1*	391.8	420.2	445.7	492.3
122.5°	*369.0*	347.1	359.8	379.0	425.6
125°	*330.6*	308.7	316.9	321.5	360.7
127.5°	*296.8*	282.2	286.8	281.3	305.9
130°	*274.0*	261.2	267.6	254.9	266.7
132.5°	*254.9*	246.6	253.9	238.4	242.0
135°	*241.1*	233.8	242.0	227.4	226.5
137.5°	*229.3*	222.9	231.1	220.1	217.3
140°	*218.3*	212.8	222.0	213.7	211.9
142.5°	*206.4*	202.7	213.7	208.3	206.4
145°	*198.2*	195.4	207.4	204.6	203.7
147.5°	*190.9*	189.1	200.1	199.1	199.1
150°	*184.5*	182.7	193.6	192.8	193.6
152.5°	*178.1*	176.3	186.3	185.4	186.3
155°	*173.5*	171.7	179.9	179.9	179.9
157.5°	*169.9*	169.0	175.4	175.4	175.4
160°	*167.2*	166.2	171.7	171.7	170.8
162.5°	*164.4*	163.5	169.9	169.0	169.0
165°	*162.5*	162.5	167.2	167.2	166.2
167.5°	*162.5*	161.7	166.2	166.2	165.3
170°	*161.7*	161.7	165.3	164.4	163.5
172.5°	*161.7*	161.7	165.3	164.4	163.5
175°	*160.8*	160.8	163.5	163.5	163.5
177.5°	*161.7*	161.7	163.5	163.5	162.5
180°	*162.5*	162.5	162.5	162.5	162.5

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

Scaled Data Report

TEST NUMBER: P1433132
CATALOG NUMBER: EHBR1-18-UNV-N-L930-UPL18

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	14.38	15.42	14.90	15.91	16.45	14.38	15.42	14.90	15.91	16.45
	3H	16.16	17.08	16.69	17.59	18.17	16.16	17.08	16.69	17.59	18.17
	4H	16.82	17.68	17.37	18.20	18.80	16.82	17.68	17.37	18.20	18.80
	6H	17.28	18.07	17.84	18.61	19.21	17.28	18.07	17.84	18.61	19.21
	8H	17.40	18.15	17.98	18.70	19.32	17.40	18.15	17.98	18.70	19.32
	12H	17.45	18.17	18.03	18.71	19.35	17.45	18.17	18.03	18.71	19.35
4H	2H	14.92	15.78	15.48	16.31	16.90	14.92	15.78	15.48	16.31	16.90
	3H	16.89	17.60	17.46	18.17	18.78	16.89	17.60	17.46	18.17	18.78
	4H	17.66	18.30	18.25	18.88	19.53	17.66	18.30	18.25	18.88	19.53
	6H	18.23	18.79	18.84	19.39	20.06	18.23	18.79	18.84	19.39	20.06
	8H	18.39	18.91	19.01	19.51	20.18	18.39	18.91	19.01	19.51	20.18
	12H	18.47	18.92	19.10	19.56	20.23	18.47	18.92	19.10	19.56	20.23
8H	4H	17.89	18.41	18.51	19.01	19.68	17.89	18.41	18.51	19.01	19.68
	6H	18.57	18.99	19.22	19.64	20.32	18.57	18.99	19.22	19.64	20.32
	8H	18.80	19.17	19.46	19.82	20.52	18.80	19.17	19.46	19.82	20.52
	12H	18.93	19.26	19.59	19.90	20.66	18.93	19.26	19.59	19.90	20.66
12H	4H	17.89	18.34	18.52	18.97	19.65	17.89	18.34	18.52	18.97	19.65
	6H	18.60	18.97	19.26	19.63	20.32	18.60	18.97	19.26	19.63	20.32
	8H	18.86	19.18	19.52	19.82	20.59	18.86	19.18	19.52	19.82	20.59

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

Metalux

Report Number: SP1-2506-472-5

Test Date: 08/01/2025

Luminaire Tested: EHBR-60-L930-N

Data in this report applies to families of products including EHBR-60-L930-N

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

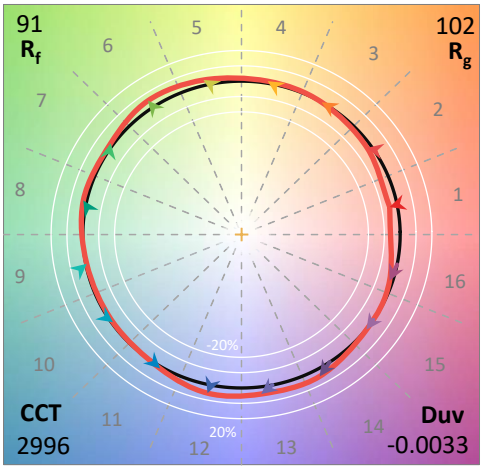
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-5
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-L930-N**
Description:	Elevate Round Highbay at, 60000 lumens, 3000K 90CRI LEDs with N lens

Spectral Parameters

CCT (K):	2996
CIE u':	0.2519
CIE v':	0.5169
Duv:	-0.0033
CIE x:	0.4325
CIE y:	0.3945
CIE z:	0.1730
Peak Wavelength (nm):	630
Dominant Wavelength (nm):	584
Purity:	48.21818
Rf:	91.3
Rg:	102

CRI (Ra):	94.4
R1:	96.8
R2:	98.1
R3:	97.8
R4:	95.6
R5:	96.9
R6:	95.7
R7:	90.9
R8:	83.0
R9:	61.4
R10:	94.4
R11:	95.7
R12:	88.5
R13:	97.3
R14:	97.8
R15:	92.3



Test Conditions

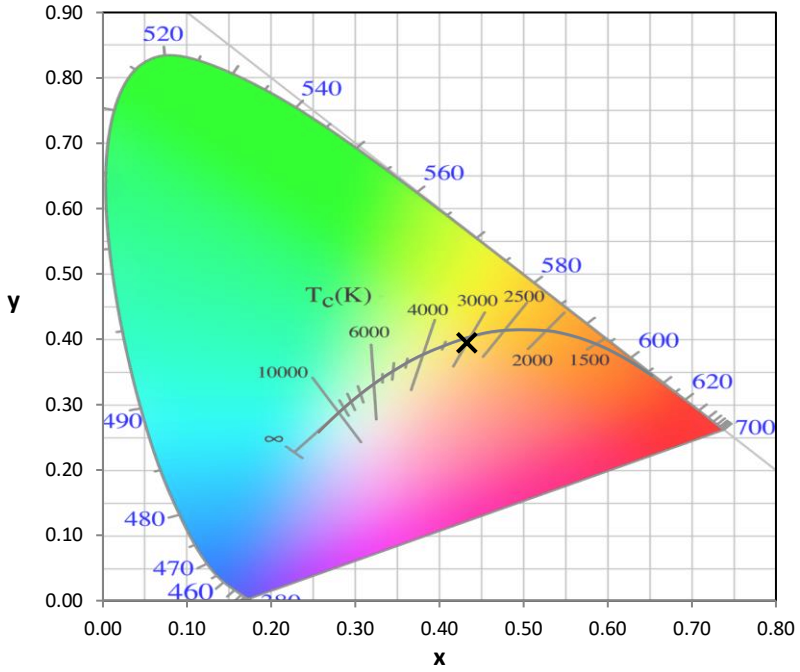
Stabilization Time:	40M
Operation Time:	1H 40M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-5

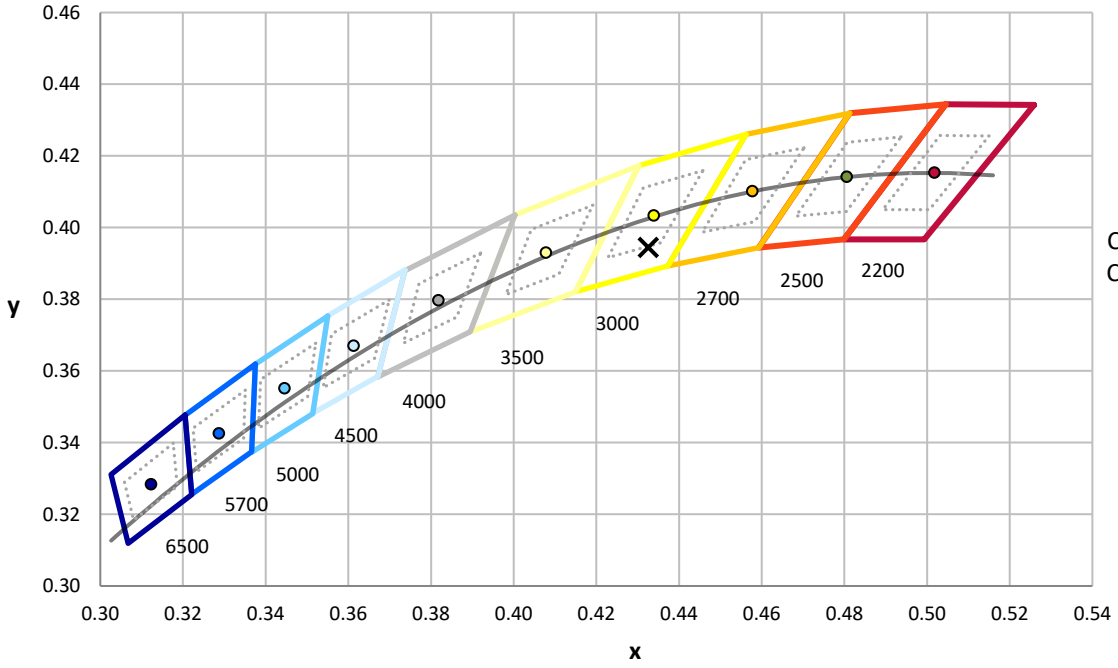
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-5

CIE 1931 Chromaticity Diagram



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

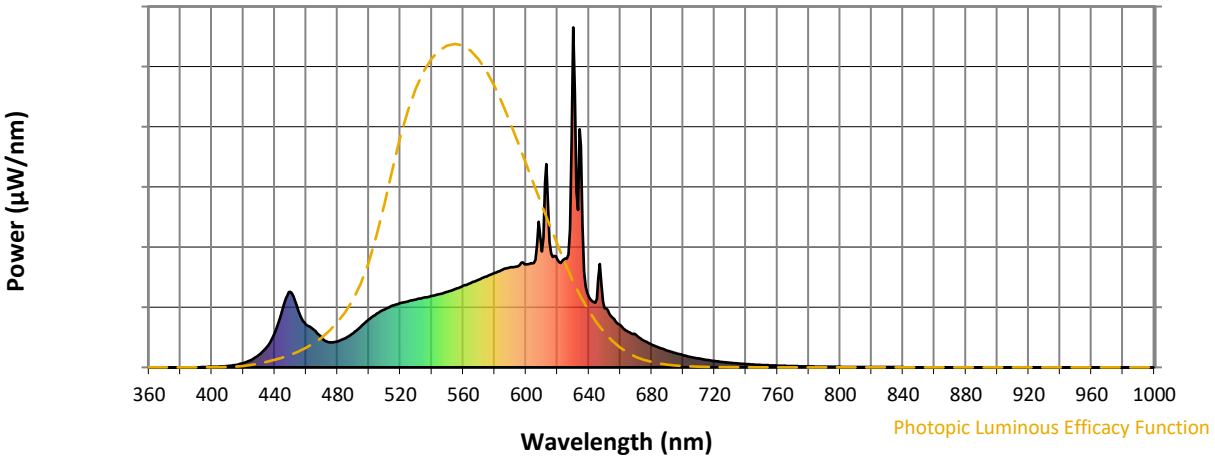


CCT = 2996K
CIE x = 0.4325
CIE y = 0.3945
Duv = -0.0033

Point lies inside the ANSI 3000K 7-step quadrangle

REPORT NUMBER: SP1-2506-472-5

Photopic Flux vs. Wavelength

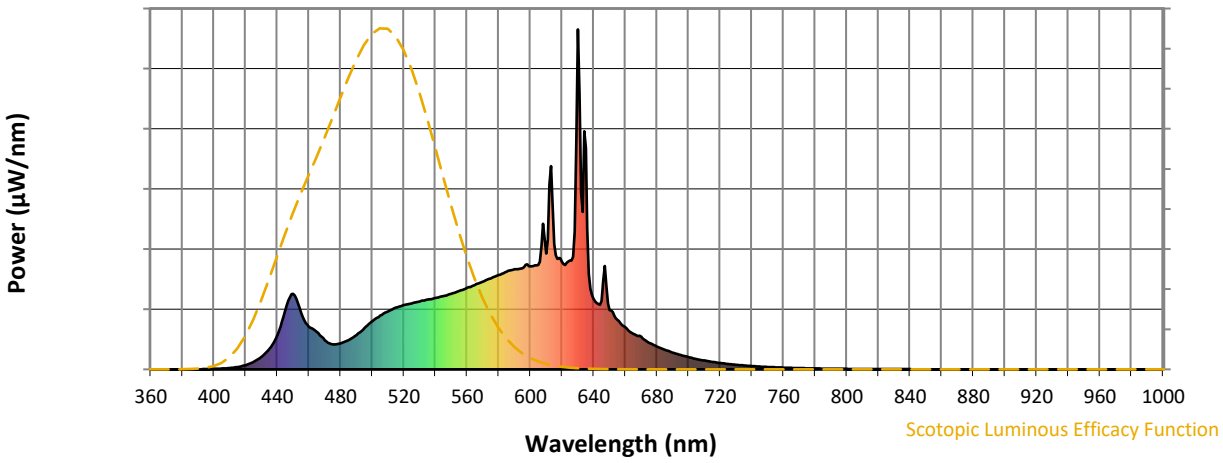


Photopic Lumens: NR

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Scotopic Flux vs. Wavelength

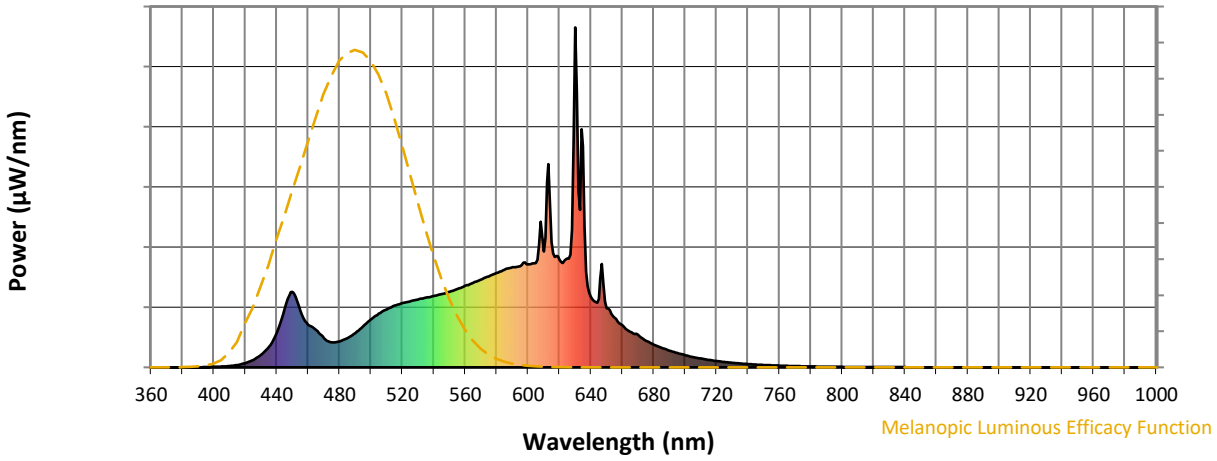


Scotopic Lumens: NR **S/P: 1.44**

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.85**

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	101	NR	620	317	NR	750	7	NR	880	0	NR
365	0	NR	495	121	NR	625	320	NR	755	6	NR	885	0	NR
370	0	NR	500	141	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	158	NR	635	651	NR	765	4	NR	895	0	NR
380	0	NR	510	171	NR	640	207	NR	770	4	NR	900	0	NR
385	0	NR	515	182	NR	645	201	NR	775	3	NR	905	0	NR
390	0	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	146	NR	785	2	NR	915	0	NR
400	1	NR	530	199	NR	660	124	NR	790	2	NR	920	0	NR
405	3	NR	535	205	NR	665	105	NR	795	2	NR	925	0	NR
410	4	NR	540	210	NR	670	96	NR	800	1	NR	930	0	NR
415	7	NR	545	216	NR	675	79	NR	805	1	NR	935	0	NR
420	13	NR	550	222	NR	680	67	NR	810	1	NR	940	0	NR
425	22	NR	555	230	NR	685	58	NR	815	1	NR	945	0	NR
430	37	NR	560	240	NR	690	49	NR	820	1	NR	950	0	NR
435	60	NR	565	248	NR	695	42	NR	825	1	NR	955	0	NR
440	101	NR	570	258	NR	700	36	NR	830	1	NR	960	0	NR
445	172	NR	575	268	NR	705	30	NR	835	1	NR	965	0	NR
450	223	NR	580	278	NR	710	26	NR	840	1	NR	970	0	NR
455	167	NR	585	287	NR	715	22	NR	845	0	NR	975	0	NR
460	126	NR	590	295	NR	720	19	NR	850	0	NR	980	0	NR
465	111	NR	595	298	NR	725	16	NR	855	0	NR	985	0	NR
470	86	NR	600	303	NR	730	14	NR	860	0	NR	990	0	NR
475	74	NR	605	307	NR	735	12	NR	865	0	NR	995	0	NR
480	77	NR	610	341	NR	740	10	NR	870	0	NR	1000	0	NR
485	86	NR	615	368	NR	745	8	NR	875	0	NR			

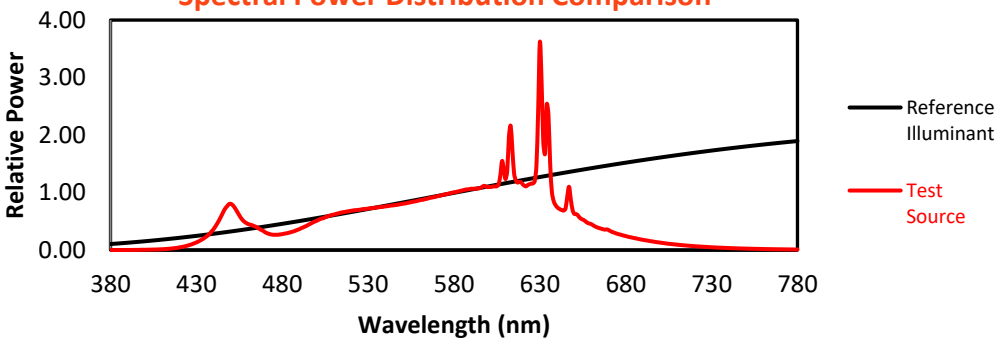
REPORT NUMBER: SP1-2506-472-5

TM-30-18

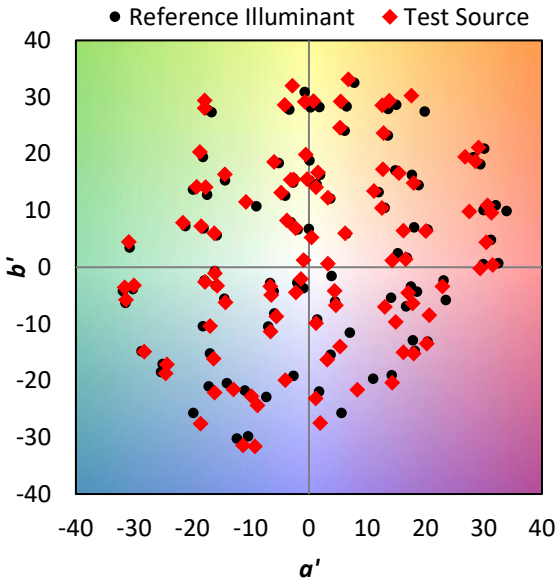
Summary

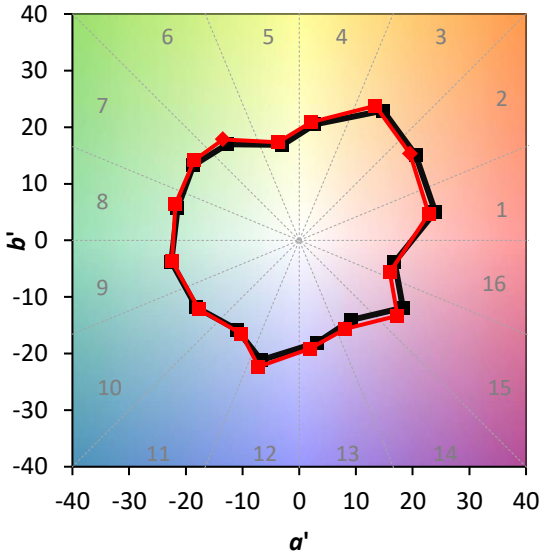
R_f = 91.3
R_g = 102
CIE R_a = 94.4
R_9 = 61.4

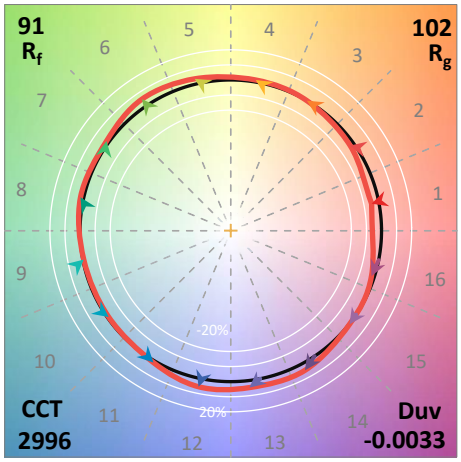
Spectral Power Distribution Comparison

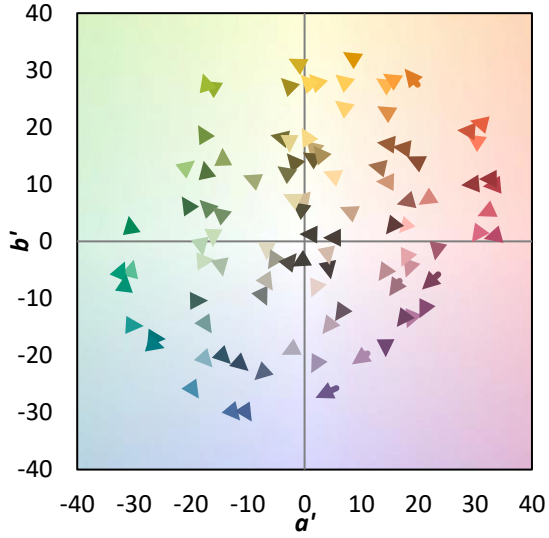


Color Vector Graphics







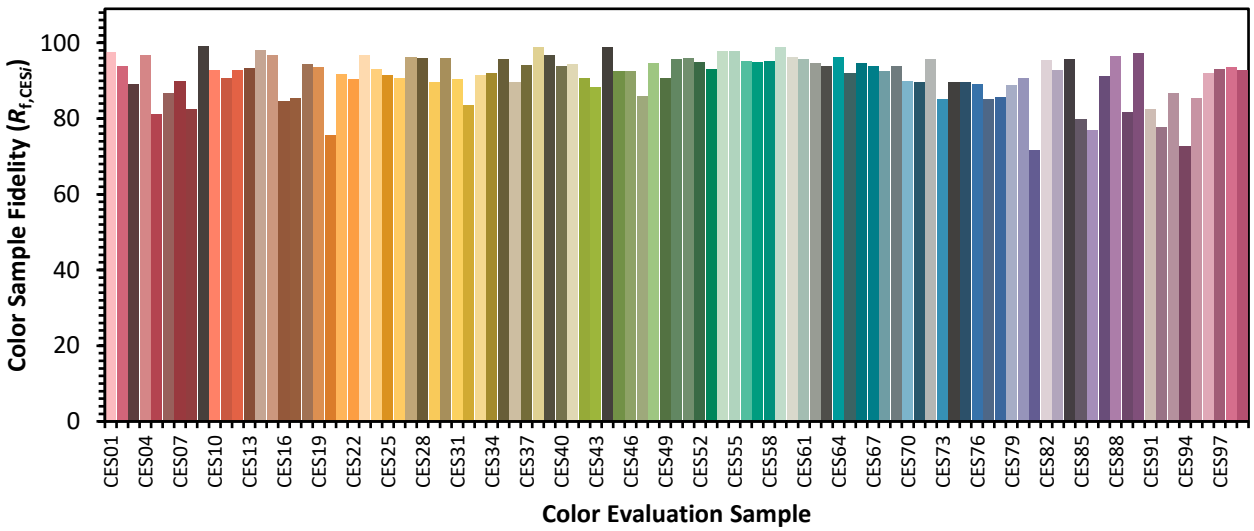


REPORT NUMBER: SP1-2506-472-5

TM-30-18

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

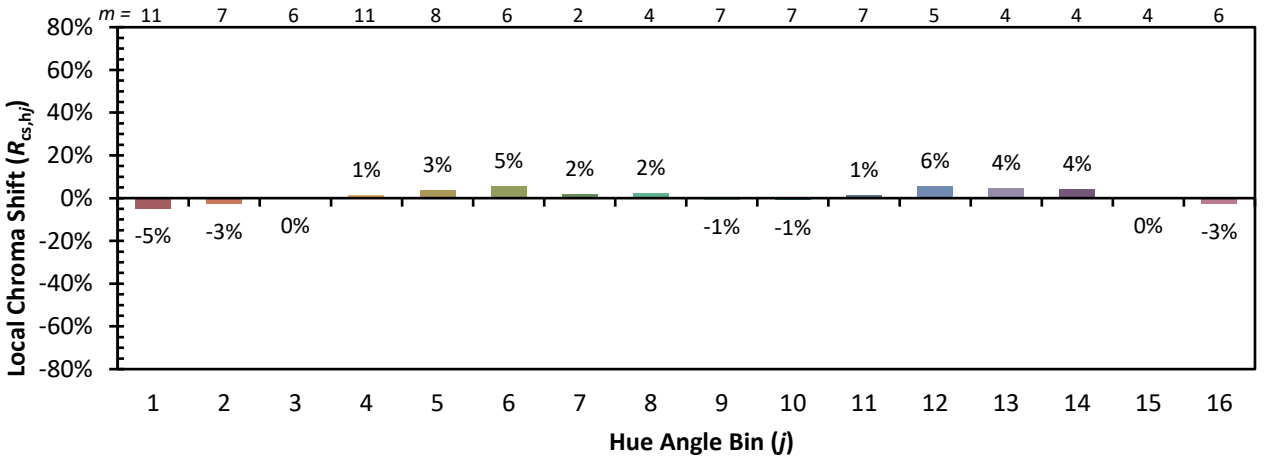
CES01 = 86	CES26 = 91	CES51 = 96	CES76 = 89
CES02 = 63	CES27 = 96	CES52 = 95	CES77 = 85
CES03 = 32	CES28 = 96	CES53 = 93	CES78 = 86
CES04 = 70	CES29 = 90	CES54 = 98	CES79 = 89
CES05 = 51	CES30 = 96	CES55 = 98	CES80 = 91
CES06 = 51	CES31 = 90	CES56 = 95	CES81 = 72
CES07 = 44	CES32 = 84	CES57 = 95	CES82 = 95
CES08 = 42	CES33 = 91	CES58 = 95	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 99	CES84 = 96
CES10 = 76	CES35 = 96	CES60 = 96	CES85 = 80
CES11 = 59	CES36 = 90	CES61 = 96	CES86 = 77
CES12 = 65	CES37 = 94	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 99	CES63 = 94	CES88 = 96
CES14 = 74	CES39 = 97	CES64 = 96	CES89 = 82
CES15 = 72	CES40 = 94	CES65 = 92	CES90 = 97
CES16 = 48	CES41 = 94	CES66 = 95	CES91 = 82
CES17 = 50	CES42 = 91	CES67 = 94	CES92 = 78
CES18 = 57	CES43 = 88	CES68 = 93	CES93 = 87
CES19 = 72	CES44 = 99	CES69 = 94	CES94 = 73
CES20 = 67	CES45 = 93	CES70 = 90	CES95 = 85
CES21 = 86	CES46 = 93	CES71 = 90	CES96 = 92
CES22 = 79	CES47 = 86	CES72 = 96	CES97 = 93
CES23 = 92	CES48 = 95	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 93
CES25 = 72	CES50 = 96	CES75 = 90	

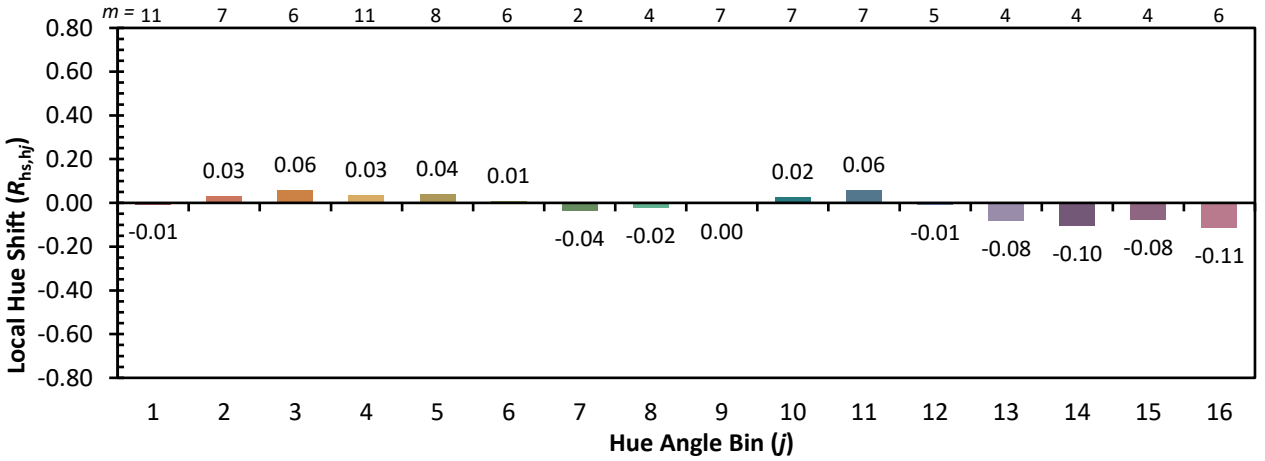


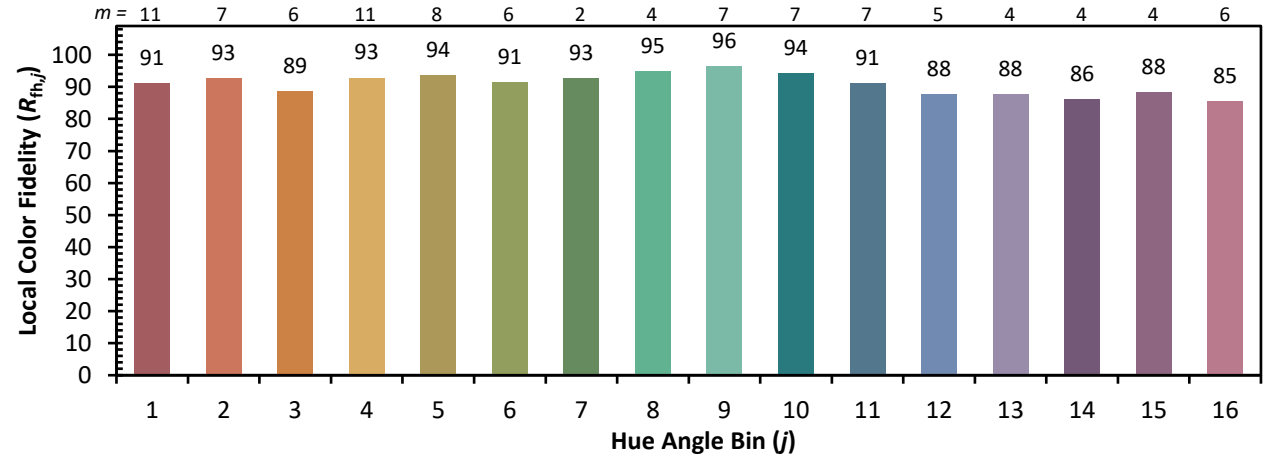
REPORT NUMBER: SP1-2506-472-5

TM-30-18

Color Rendition by Hue-Angle Bin



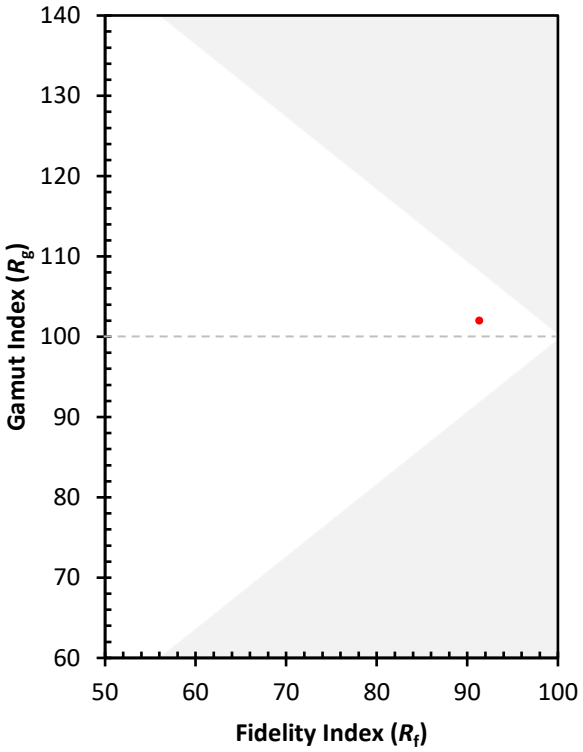


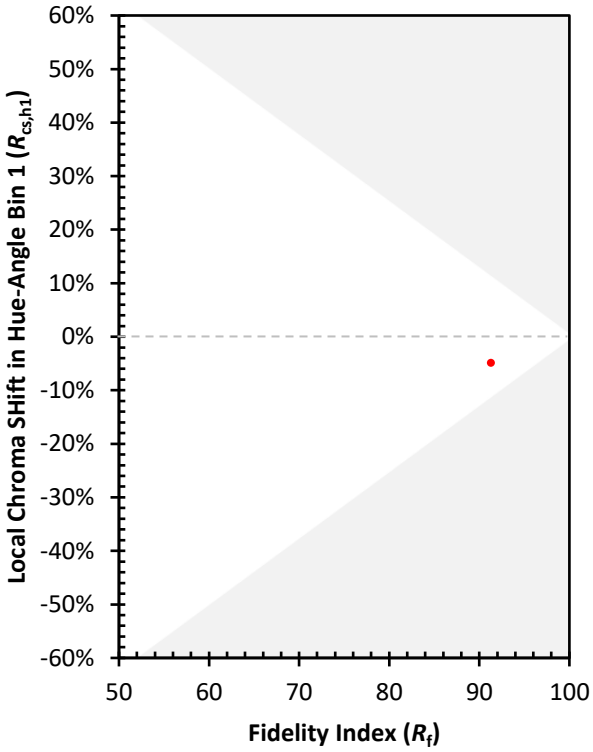


REPORT NUMBER: SP1-2506-472-5

TM-30-18

Measure Comparisons





(END OF REPORT)