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: P1432759

Luminaire Tested: EHBR1-48-UNV-N-L835-UPL30

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:	P1432759
	REPORT IS A COMBINATION OF REPORTS P1431848 AND P1431635
Test Lab:	INNOVATION CENTER
Issue Date:	3/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	EHBR1-48-UNV-N-L835-UPL30
Description:	Elevate Round Highbay at, 48000 lumens, 3500K 80CRI LEDs with N lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	49532.2 lumens
Efficiency:	N/A
Efficacy:	176.5 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

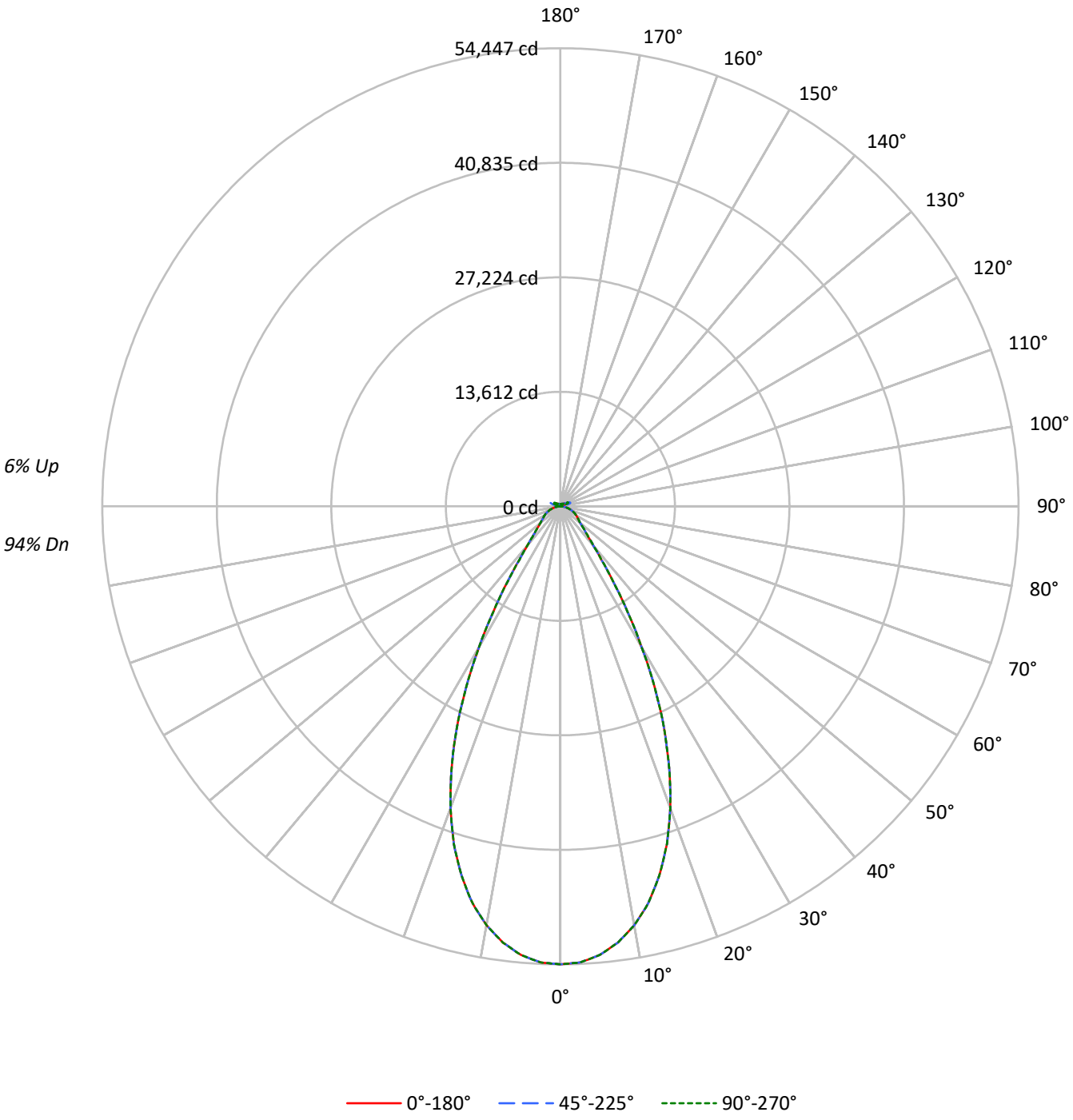
Input Watts (W):	280.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

TEST NUMBER: P1432759
CATALOG NUMBER: EHBR1-48-UNV-N-L835-UPL30

Luminous Intensity Polar Plot



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

Scaled Data Report

TEST NUMBER: P1432759
CATALOG NUMBER: EHBR1-48-UNV-N-L835-UPL30

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	97	97	97	94
1	111	108	105	102	108	105	102	100	100	98	96	95	93	92	91	89	88	86
2	104	99	94	90	101	96	92	88	92	89	86	88	85	83	85	82	80	78
3	98	91	85	81	96	89	84	79	85	81	77	82	79	76	79	76	74	72
4	93	84	78	73	90	82	77	72	80	75	71	77	73	69	74	71	68	66
5	87	78	72	67	85	77	71	66	74	69	65	72	68	64	70	66	63	61
6	83	73	66	62	81	72	66	61	70	64	60	68	63	60	66	62	59	57
7	79	68	62	57	77	67	61	57	66	60	56	64	59	56	62	58	55	53
8	75	64	58	54	73	64	57	53	62	57	53	60	56	52	59	55	52	50
9	71	61	54	50	69	60	54	50	59	53	49	57	52	49	56	52	48	47
10	68	57	51	47	66	57	51	47	55	50	47	54	50	46	53	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	255686	255686	255686
5°	250722	250722	250722
10°	237965	237965	237965
15°	216517	216517	216517
20°	185724	185724	185724
25°	146101	146101	146101
30°	100263	100263	100263
35°	59560	59560	59560
40°	35240	35240	35240
45°	25297	25297	25297
50°	20794	20794	20794
55°	18898	18898	18898
60°	18091	18091	18091
65°	17255	17255	17255
70°	16047	16047	16047
75°	14507	14507	14507
80°	12040	12040	12040
85°	7623	7623	7623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 25297 cd/sqm

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

Scaled Data Report

TEST NUMBER: P1432759
CATALOG NUMBER: EHBR1-48-UNV-N-L835-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5015.4	10.1
10°-20°	12589.5	25.4
20°-30°	13163.6	26.6
30°-40°	7132.4	14.4
40°-50°	3281.3	6.6
50°-60°	2312.4	4.7
60°-70°	1779.5	3.6
70°-80°	1078.8	2.2
80°-90°	309.0	0.6
90°-100°	82.0	0.2
100°-110°	512.8	1.0
110°-120°	917.0	1.9
120°-130°	538.1	1.1
130°-140°	330.1	0.7
140°-150°	228.9	0.5
150°-160°	148.7	0.3
160°-170°	84.8	0.2
170°-180°	28.0	0.1
0°-30°	30768.4	62.1
0°-40°	37900.9	76.5
0°-60°	43494.5	87.8
0°-90°	46661.8	94.2
90°-120°	1511.9	3.1
90°-150°	2608.9	5.3
90°-180°	2870.0	5.8
0°-180°	49532.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	54447	54447	54447	54447	54447	
5°	53533	53533	53533	53533	53533	5015
15°	45424	45424	45424	45424	45424	12589
25°	29176	29176	29176	29176	29176	13164
35°	10931	10931	10931	10931	10931	7132
45°	4093	4093	4093	4093	4093	3281
55°	2554	2554	2554	2554	2554	2312
65°	1801	1801	1801	1801	1801	1780
75°	1022	1022	1022	1022	1022	1079
85°	262	262	262	262	262	291
90°	23	36	61	39	23	23
95°	36	61	133	66	41	35
105°	179	353	902	389	237	240
115°	825	868	1066	1022	1015	760
125°	595	555	570	578	649	542
135°	434	421	435	409	408	339
145°	357	352	373	368	366	226
155°	312	309	324	324	324	146
165°	292	292	301	301	299	84
175°	289	289	294	294	294	28
180°	292	292	292	292	292	

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

Scaled Data Report

TEST NUMBER: P1432759
CATALOG NUMBER: EHBR1-48-UNV-N-L835-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	54446.6	54446.6	54446.6	54446.6	54446.6
2.5°	54253.5	54253.5	54253.5	54253.5	54253.5
5°	53533.2	53533.2	53533.2	53533.2	53533.2
7.5°	52303.5	52303.5	52303.5	52303.5	52303.5
10°	50559.0	50559.0	50559.0	50559.0	50559.0
12.5°	48304.5	48304.5	48304.5	48304.5	48304.5
15°	45424.1	45424.1	45424.1	45424.1	45424.1
17.5°	42082.4	42082.4	42082.4	42082.4	42082.4
20°	38171.7	38171.7	38171.7	38171.7	38171.7
22.5°	33817.5	33817.5	33817.5	33817.5	33817.5
25°	29176.3	29176.3	29176.3	29176.3	29176.3
27.5°	24256.1	24256.1	24256.1	24256.1	24256.1
30°	19285.5	19285.5	19285.5	19285.5	19285.5
32.5°	14801.0	14801.0	14801.0	14801.0	14801.0
35°	10931.3	10931.3	10931.3	10931.3	10931.3
37.5°	8026.2	8026.2	8026.2	8026.2	8026.2
40°	6108.0	6108.0	6108.0	6108.0	6108.0
42.5°	4897.7	4897.7	4897.7	4897.7	4897.7
45°	4093.0	4093.0	4093.0	4093.0	4093.0
47.5°	3513.0	3513.0	3513.0	3513.0	3513.0
50°	3099.0	3099.0	3099.0	3099.0	3099.0
52.5°	2796.6	2796.6	2796.6	2796.6	2796.6
55°	2553.9	2553.9	2553.9	2553.9	2553.9
57.5°	2357.0	2357.0	2357.0	2357.0	2357.0
60°	2174.8	2174.8	2174.8	2174.8	2174.8
62.5°	1992.6	1992.6	1992.6	1992.6	1992.6
65°	1801.0	1801.0	1801.0	1801.0	1801.0
67.5°	1605.7	1605.7	1605.7	1605.7	1605.7
70°	1408.0	1408.0	1408.0	1408.0	1408.0
72.5°	1215.7	1215.7	1215.7	1215.7	1215.7
75°	1021.9	1021.9	1021.9	1021.9	1021.9
77.5°	831.9	831.9	831.9	831.9	831.9
80°	633.4	633.4	633.4	633.4	633.4
82.5°	443.4	443.4	443.4	443.4	443.4
85°	262.0	262.0	262.0	262.0	262.0
87.5°	93.8	93.8	93.8	93.8	93.8
90°	22.9	36.1	60.7	39.4	22.9
92.5°	31.2	52.6	95.3	49.3	27.9
95°	36.2	60.8	133.0	65.7	41.1
97.5°	46.0	67.4	152.8	80.5	64.1
100°	60.8	78.8	238.3	98.6	85.4
102.5°	103.5	167.6	506.0	185.7	129.8
105°	179.1	353.3	902.0	389.4	236.6
107.5°	310.5	632.5	1189.5	690.0	448.5
110°	580.0	839.6	1247.0	948.0	718.0

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

Scaled Data Report

TEST NUMBER: P1432759
CATALOG NUMBER: EHBR1-48-UNV-N-L835-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	*783.7*	902.0	1194.5	1046.6	934.9
115°	*824.7*	867.5	1066.3	1022.0	1015.4
117.5°	*796.8*	792.0	905.3	918.4	980.9
120°	*737.7*	704.9	755.8	801.8	885.5
122.5°	*663.8*	624.3	647.4	681.8	765.7
125°	*594.7*	555.4	570.1	578.3	649.0
127.5°	*534.0*	507.6	515.9	506.0	550.4
130°	*492.9*	469.9	481.4	458.4	479.7
132.5°	*458.4*	443.6	456.7	428.8	435.4
135°	*433.8*	420.6	435.4	409.1	407.5
137.5°	*412.4*	400.9	415.7	395.9	391.0
140°	*392.6*	382.8	399.2	384.5	381.2
142.5°	*371.3*	364.7	384.5	374.6	371.3
145°	*356.6*	351.6	373.0	368.0	366.4
147.5°	*343.4*	340.1	359.9	358.2	358.2
150°	*331.9*	328.6	348.3	346.7	348.3
152.5°	*320.4*	317.1	335.1	333.5	335.1
155°	*312.1*	308.9	323.7	323.7	323.7
157.5°	*305.6*	303.9	315.4	315.4	315.4
160°	*300.7*	299.1	308.9	308.9	307.2
162.5°	*295.8*	294.1	305.6	303.9	303.9
165°	*292.5*	292.5	300.7	300.7	299.1
167.5°	*292.5*	290.8	299.1	299.1	297.4
170°	*290.8*	290.8	297.4	295.8	294.1
172.5°	*290.8*	290.8	297.4	295.8	294.1
175°	*289.2*	289.2	294.1	294.1	294.1
177.5°	*290.8*	290.8	294.1	294.1	292.5
180°	*292.5*	292.5	292.5	292.5	292.5

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

Scaled Data Report

TEST NUMBER: P1432759
CATALOG NUMBER: EHBR1-48-UNV-N-L835-UPL30

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	18.22	19.30	18.69	19.73	20.20	18.22	19.30	18.69	19.73	20.20
	3H	20.00	20.96	20.48	21.41	21.92	20.00	20.96	20.48	21.41	21.92
	4H	20.66	21.55	21.16	22.02	22.55	20.66	21.55	21.16	22.02	22.55
	6H	21.12	21.94	21.63	22.42	22.96	21.12	21.94	21.63	22.42	22.96
	8H	21.24	22.01	21.77	22.52	23.07	21.24	22.01	21.77	22.52	23.07
	12H	21.29	22.03	21.83	22.53	23.10	21.29	22.03	21.83	22.53	23.10
4H	2H	18.76	19.65	19.27	20.12	20.65	18.76	19.65	19.27	20.12	20.65
	3H	20.73	21.47	21.25	21.99	22.53	20.73	21.47	21.25	21.99	22.53
	4H	21.50	22.17	22.04	22.70	23.28	21.50	22.17	22.04	22.70	23.28
	6H	22.08	22.65	22.64	23.20	23.80	22.08	22.65	22.64	23.20	23.80
	8H	22.23	22.77	22.80	23.32	23.93	22.23	22.77	22.80	23.32	23.93
	12H	22.31	22.78	22.90	23.37	23.98	22.31	22.78	22.90	23.37	23.98
8H	4H	21.73	22.27	22.30	22.82	23.42	21.73	22.27	22.30	22.82	23.42
	6H	22.42	22.85	23.02	23.45	24.06	22.42	22.85	23.02	23.45	24.06
	8H	22.64	23.02	23.26	23.63	24.26	22.64	23.02	23.26	23.63	24.26
	12H	22.78	23.11	23.39	23.70	24.41	22.78	23.11	23.39	23.70	24.41
12H	4H	21.73	22.20	22.32	22.78	23.39	21.73	22.20	22.32	22.78	23.39
	6H	22.44	22.82	23.06	23.44	24.06	22.44	22.82	23.06	23.44	24.06
	8H	22.70	23.04	23.32	23.63	24.33	22.70	23.04	23.32	23.63	24.33

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: SP1-2506-472-3

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L835-N

Data in this report applies to families of products including EHBR-60-L835-N

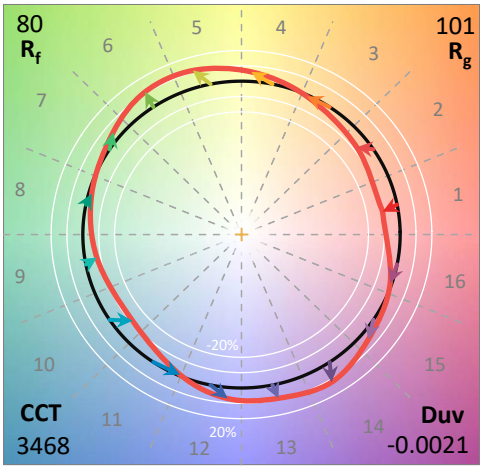
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2506-472-3
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-L835-N**
Description:	Elevate Round Highbay at, 60000 lumens, 3500K 80CRI LEDs with N lens

Spectral Parameters

CCT (K):	3468	CRI (Ra):	82.1		
CIE u':	0.2375	R1:	82.9	R9:	27.6
CIE v':	0.5091	R2:	85.6	R10:	63.8
Duv:	-0.0021	R3:	85.9	R11:	81.2
CIE x:	0.4049	R4:	82.8	R12:	57.2
CIE y:	0.3856	R5:	81.0	R13:	82.6
CIE z:	0.2095	R6:	79.7	R14:	91.0
Peak Wavelength (nm):	630	R7:	86.5	R15:	79.4
Dominant Wavelength (nm):	581	R8:	72.1		
Purity:	37.24544				
Rf:	80.1				
Rg:	101				



Test Conditions

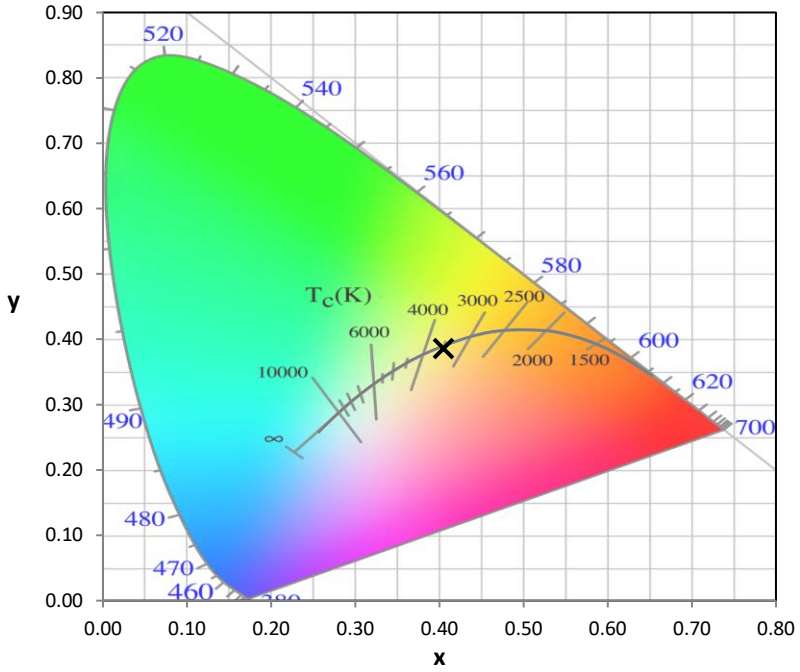
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2506-472-3

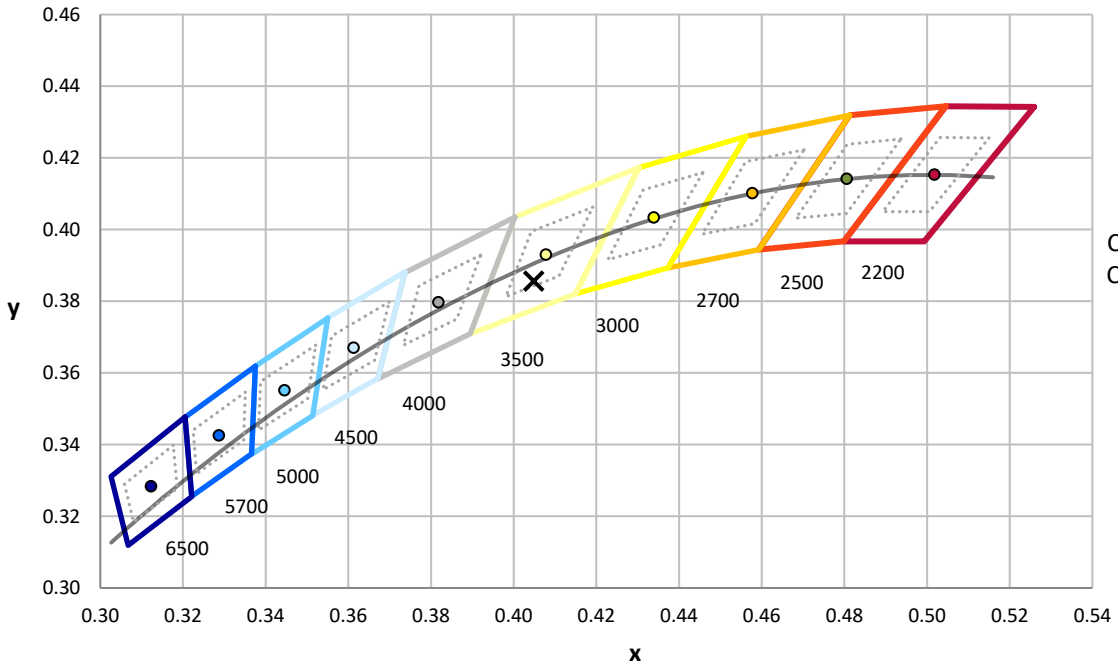
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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: SP1-2506-472-3

CIE 1931 Chromaticity Diagram



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

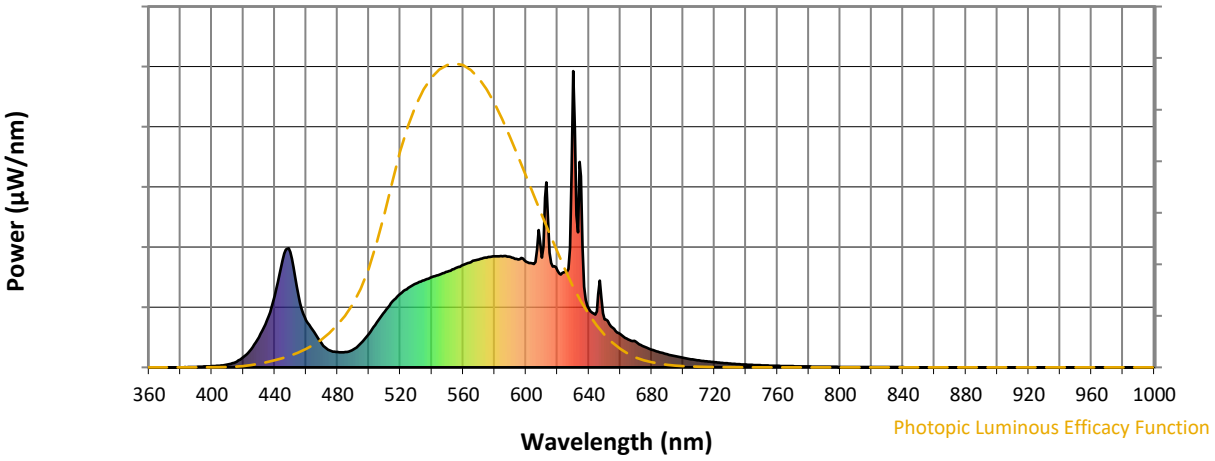


CCT = 3468K
CIE x = 0.4049
CIE y = 0.3856
Duv = -0.0021

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-3

Photopic Flux vs. Wavelength

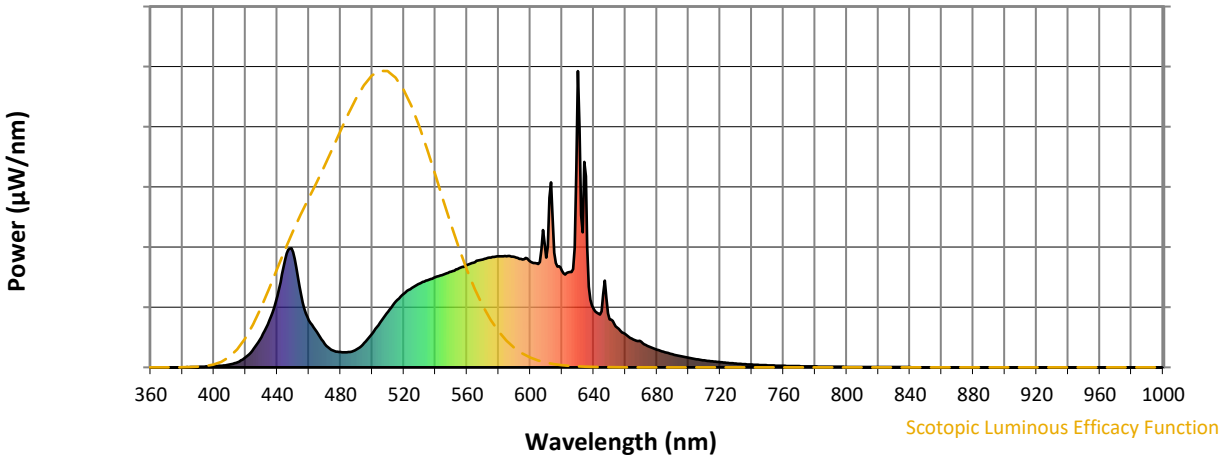


Photopic Lumens: NR

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	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-3

Scotopic Flux vs. Wavelength

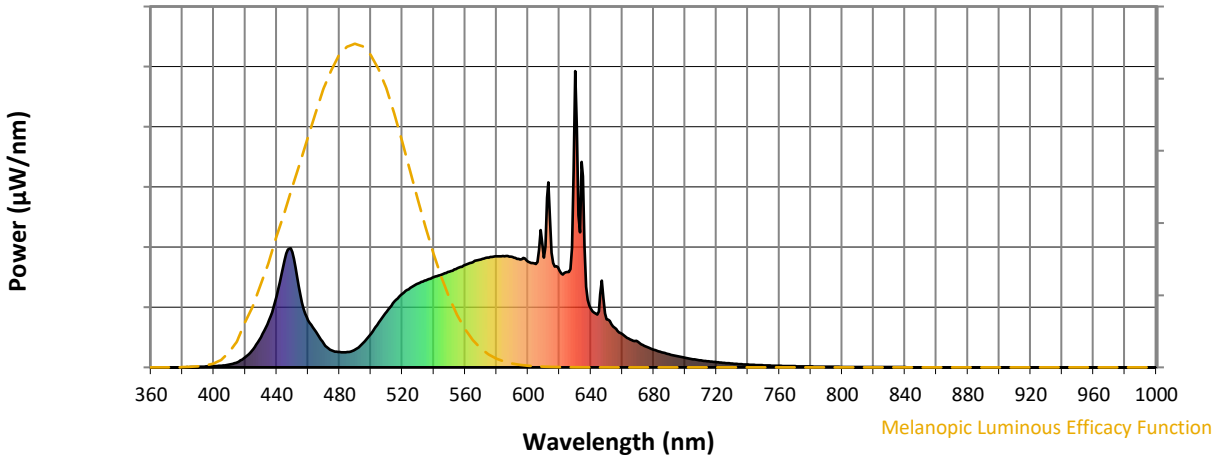


Scotopic Lumens: NR **S/P: 1.43**

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	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.75**

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	60	NR	620	327	NR	750	7	NR	880	0	NR
365	0	NR	495	82	NR	625	322	NR	755	6	NR	885	0	NR
370	0	NR	500	114	NR	630	1000	NR	760	5	NR	890	0	NR
375	0	NR	505	152	NR	635	645	NR	765	4	NR	895	0	NR
380	0	NR	510	189	NR	640	197	NR	770	4	NR	900	0	NR
385	1	NR	515	222	NR	645	189	NR	775	3	NR	905	0	NR
390	2	NR	520	248	NR	650	163	NR	780	3	NR	910	0	NR
395	3	NR	525	268	NR	655	134	NR	785	2	NR	915	0	NR
400	4	NR	530	283	NR	660	113	NR	790	2	NR	920	0	NR
405	6	NR	535	294	NR	665	94	NR	795	2	NR	925	0	NR
410	9	NR	540	305	NR	670	87	NR	800	2	NR	930	0	NR
415	18	NR	545	314	NR	675	70	NR	805	1	NR	935	0	NR
420	34	NR	550	323	NR	680	60	NR	810	1	NR	940	0	NR
425	62	NR	555	335	NR	685	51	NR	815	1	NR	945	0	NR
430	102	NR	560	346	NR	690	44	NR	820	1	NR	950	0	NR
435	159	NR	565	356	NR	695	38	NR	825	1	NR	955	0	NR
440	241	NR	570	364	NR	700	32	NR	830	1	NR	960	0	NR
445	363	NR	575	371	NR	705	28	NR	835	1	NR	965	0	NR
450	389	NR	580	375	NR	710	24	NR	840	1	NR	970	0	NR
455	245	NR	585	375	NR	715	20	NR	845	0	NR	975	0	NR
460	158	NR	590	373	NR	720	17	NR	850	0	NR	980	0	NR
465	120	NR	595	364	NR	725	15	NR	855	0	NR	985	0	NR
470	79	NR	600	357	NR	730	13	NR	860	0	NR	990	0	NR
475	57	NR	605	349	NR	735	11	NR	865	0	NR	995	0	NR
480	51	NR	610	371	NR	740	9	NR	870	0	NR	1000	0	NR
485	51	NR	615	387	NR	745	8	NR	875	0	NR			

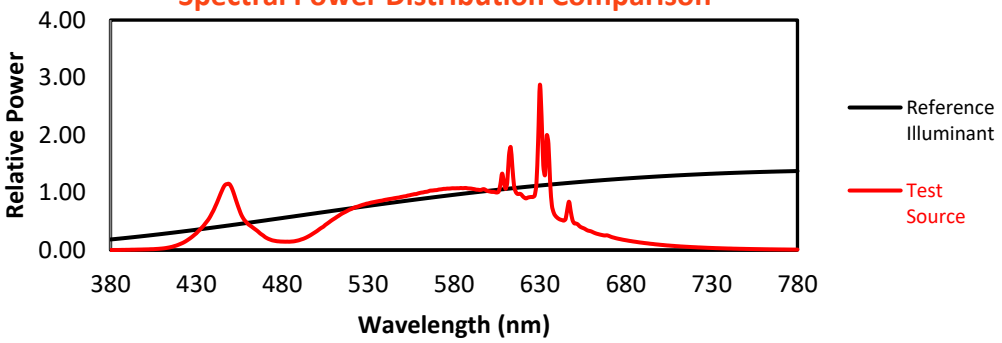
REPORT NUMBER: SP1-2506-472-3

TM-30-18

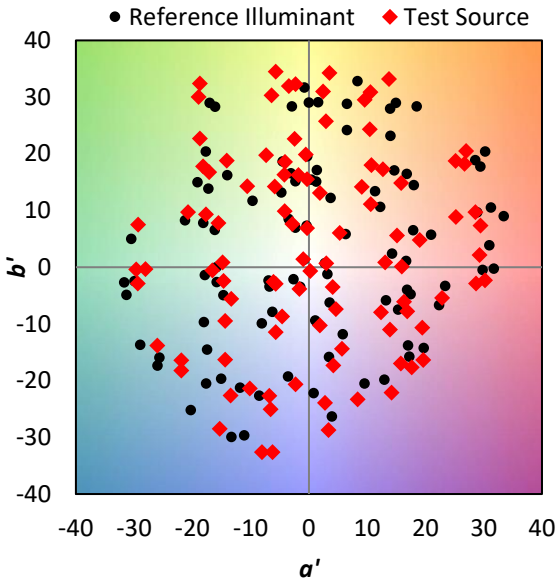
Summary

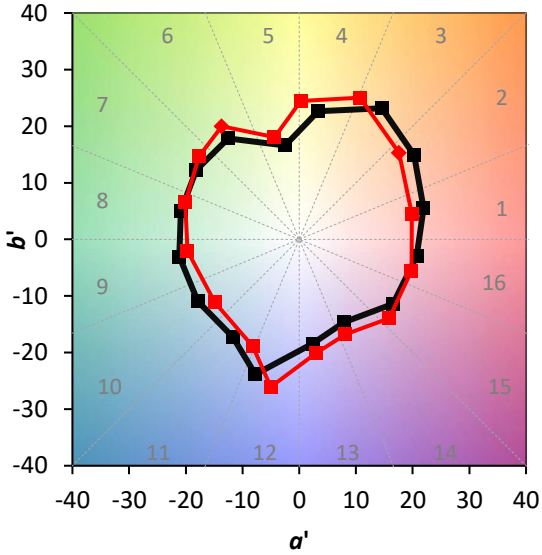
R_f = 80.1
R_g = 101
CIE R_a = 82.1
R_9 = 27.6

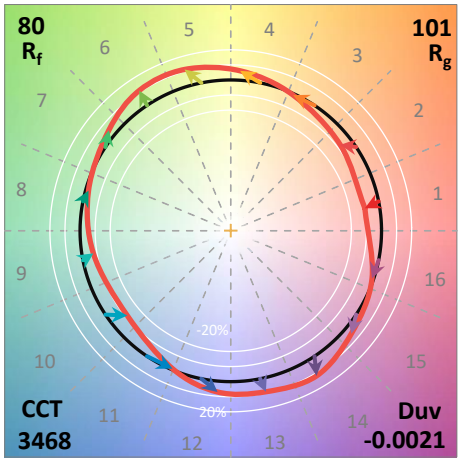
Spectral Power Distribution Comparison

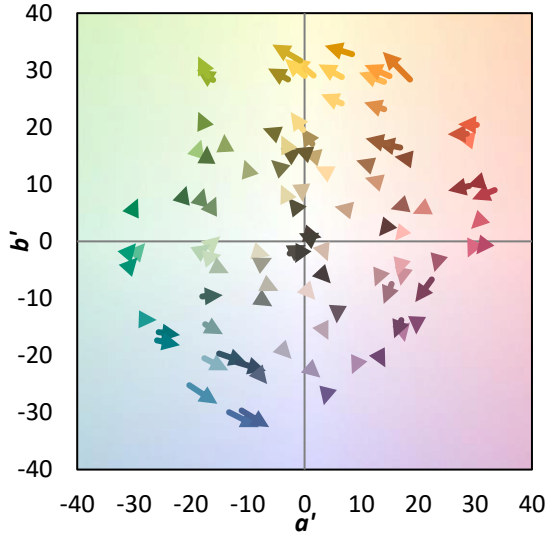


Color Vector Graphics







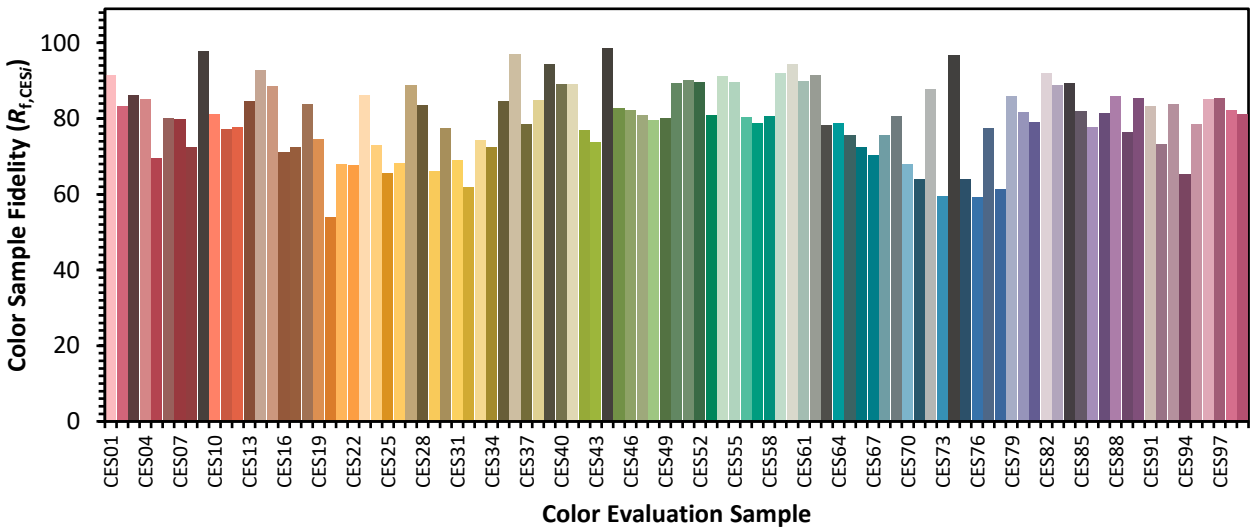


REPORT NUMBER: SP1-2506-472-3

TM-30-18

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

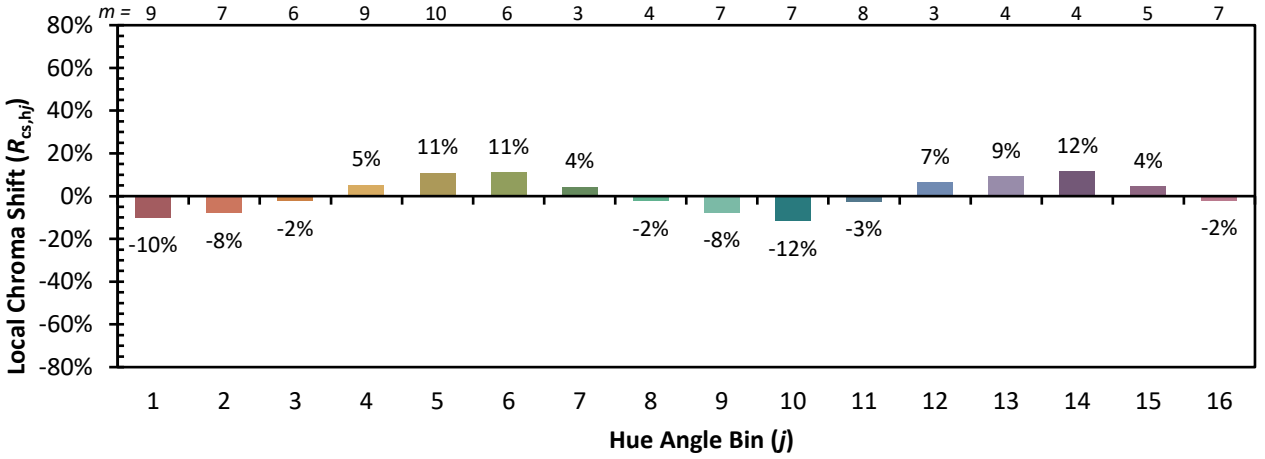
CES01 = 86	CES26 = 68	CES51 = 90	CES76 = 59
CES02 = 62	CES27 = 89	CES52 = 90	CES77 = 78
CES03 = 31	CES28 = 84	CES53 = 81	CES78 = 61
CES04 = 70	CES29 = 66	CES54 = 91	CES79 = 86
CES05 = 49	CES30 = 77	CES55 = 90	CES80 = 82
CES06 = 51	CES31 = 69	CES56 = 80	CES81 = 79
CES07 = 42	CES32 = 62	CES57 = 79	CES82 = 92
CES08 = 41	CES33 = 74	CES58 = 81	CES83 = 89
CES09 = 29	CES34 = 72	CES59 = 92	CES84 = 89
CES10 = 75	CES35 = 85	CES60 = 94	CES85 = 82
CES11 = 58	CES36 = 97	CES61 = 90	CES86 = 78
CES12 = 64	CES37 = 79	CES62 = 92	CES87 = 82
CES13 = 43	CES38 = 85	CES63 = 78	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 79	CES89 = 76
CES15 = 71	CES40 = 89	CES65 = 76	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 73	CES91 = 83
CES17 = 49	CES42 = 77	CES67 = 70	CES92 = 73
CES18 = 56	CES43 = 74	CES68 = 76	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 81	CES94 = 65
CES20 = 66	CES45 = 83	CES70 = 68	CES95 = 79
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 85
CES22 = 78	CES47 = 81	CES72 = 88	CES97 = 85
CES23 = 92	CES48 = 80	CES73 = 60	CES98 = 82
CES24 = 91	CES49 = 80	CES74 = 97	CES99 = 81
CES25 = 72	CES50 = 89	CES75 = 64	

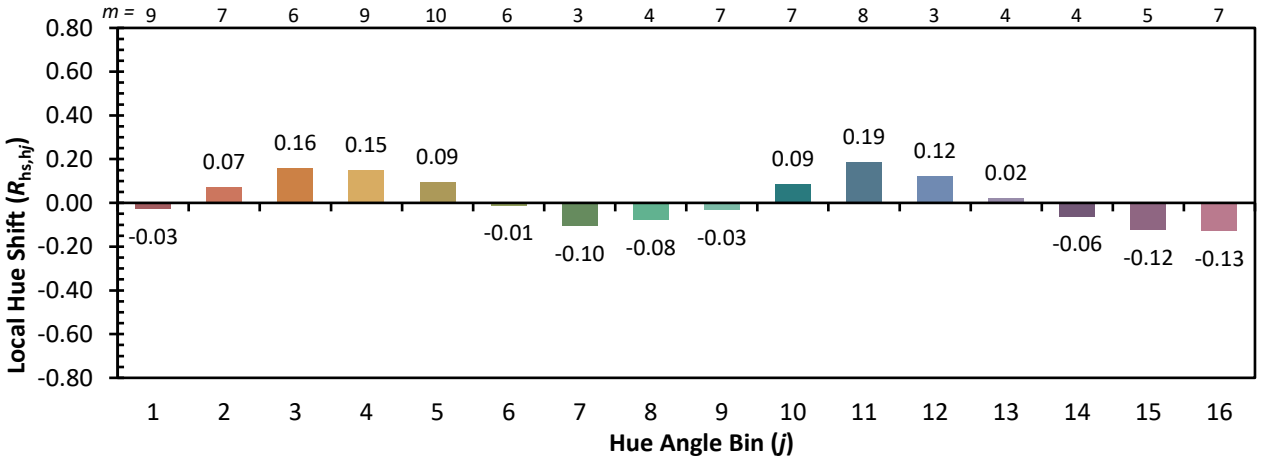


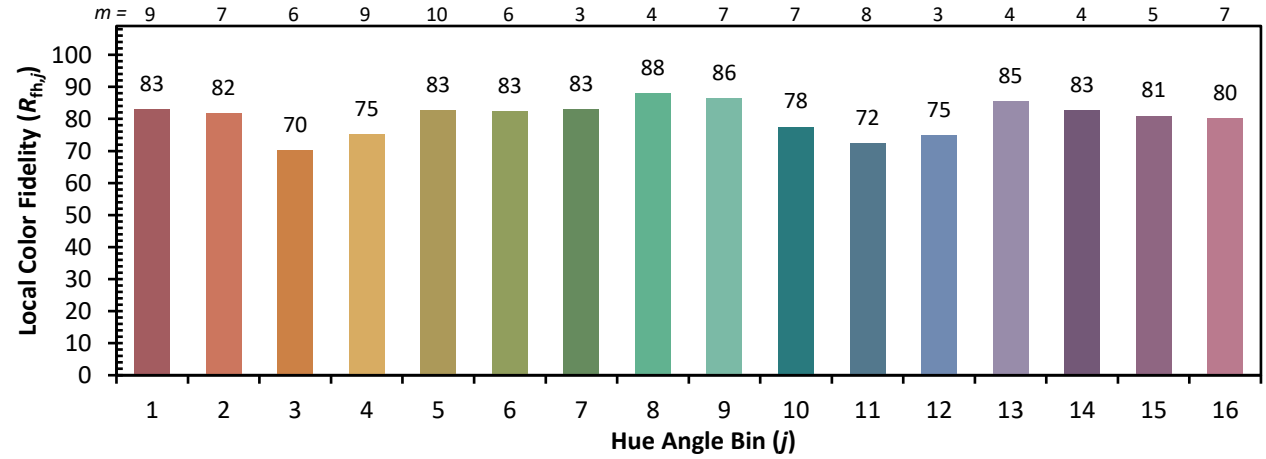
REPORT NUMBER: SP1-2506-472-3

TM-30-18

Color Rendition by Hue-Angle Bin



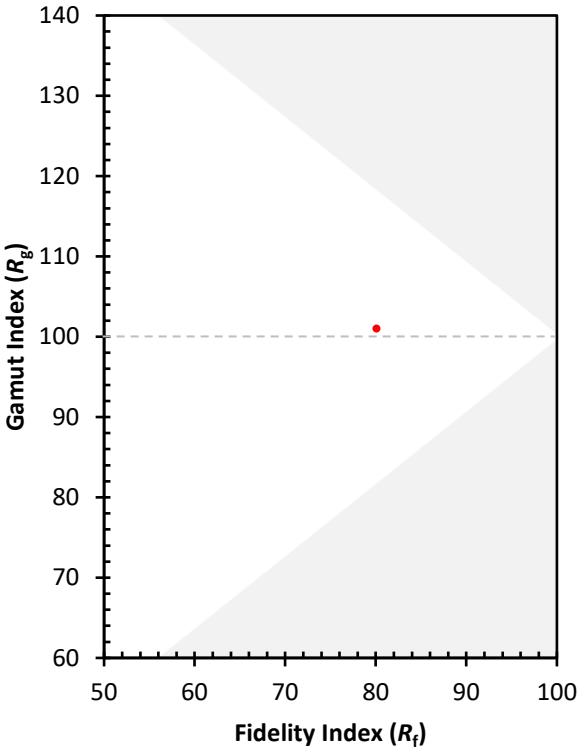


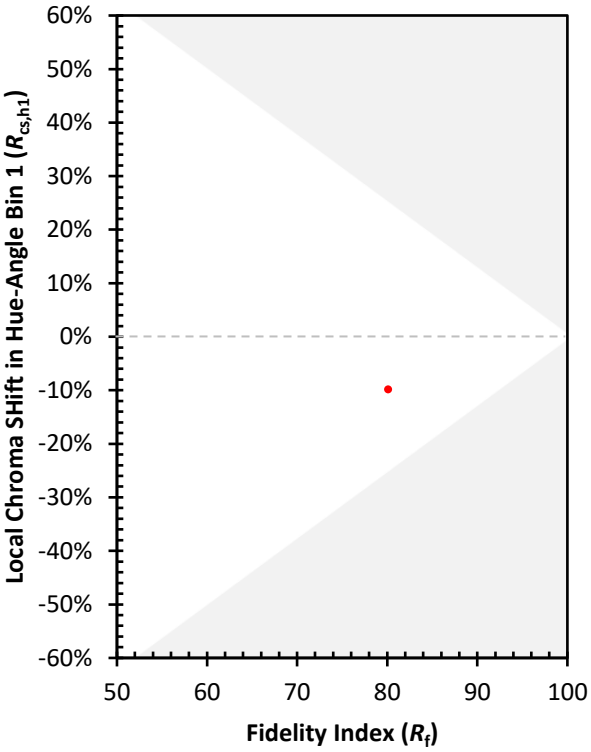


REPORT NUMBER: SP1-2506-472-3

TM-30-18

Measure Comparisons





(END OF REPORT)