

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1212025

Luminaire Tested: **GKO-PB1B-830-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212025
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1B-830-U-T1
Description: GEKKO WALL PACK 1500LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

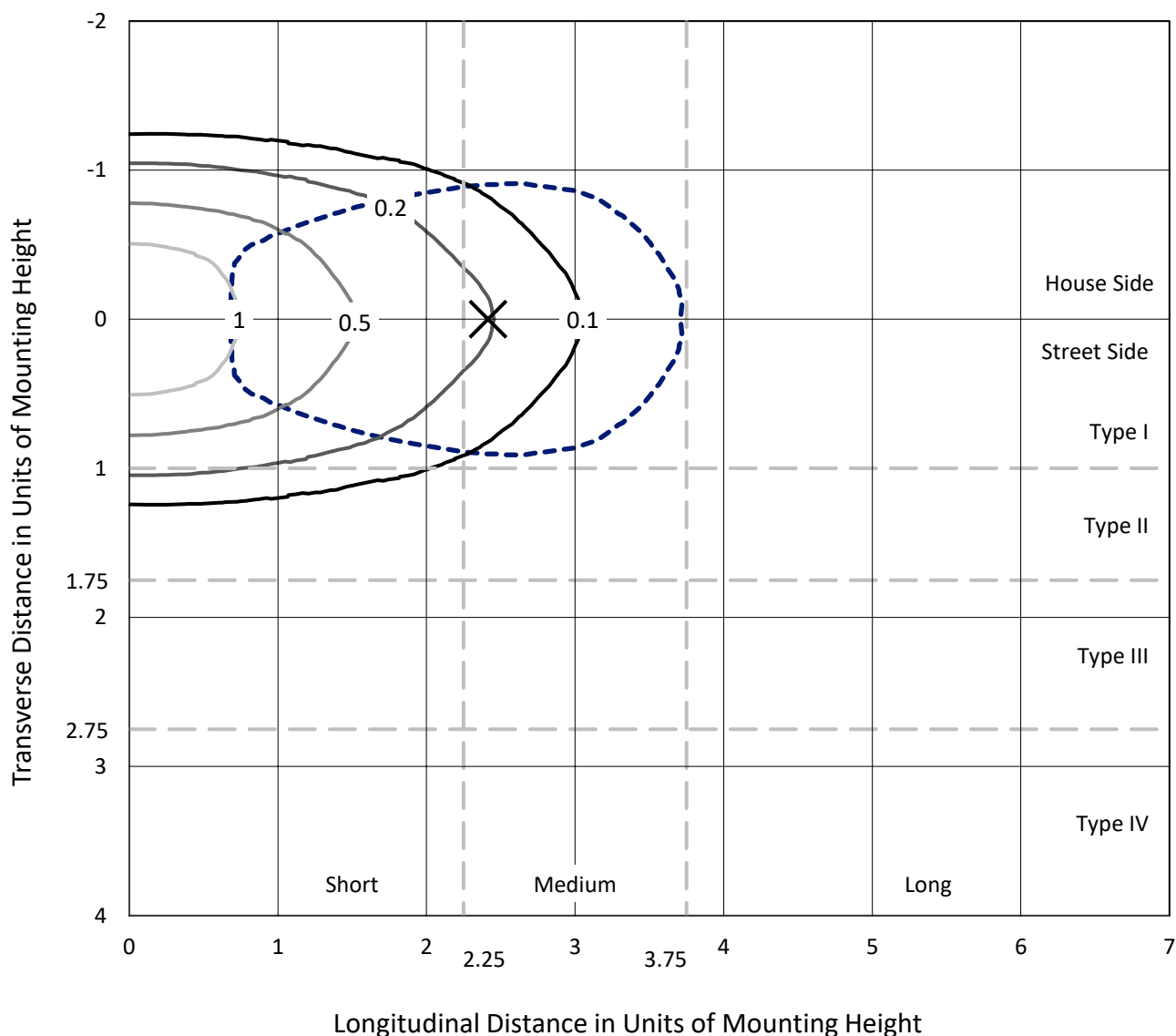
Lumens per Lamp: N/A
Luminaire Lumens: 1387.4 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 9.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 14%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1212025
 CATALOG NUMBER: GKO-PB1B-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

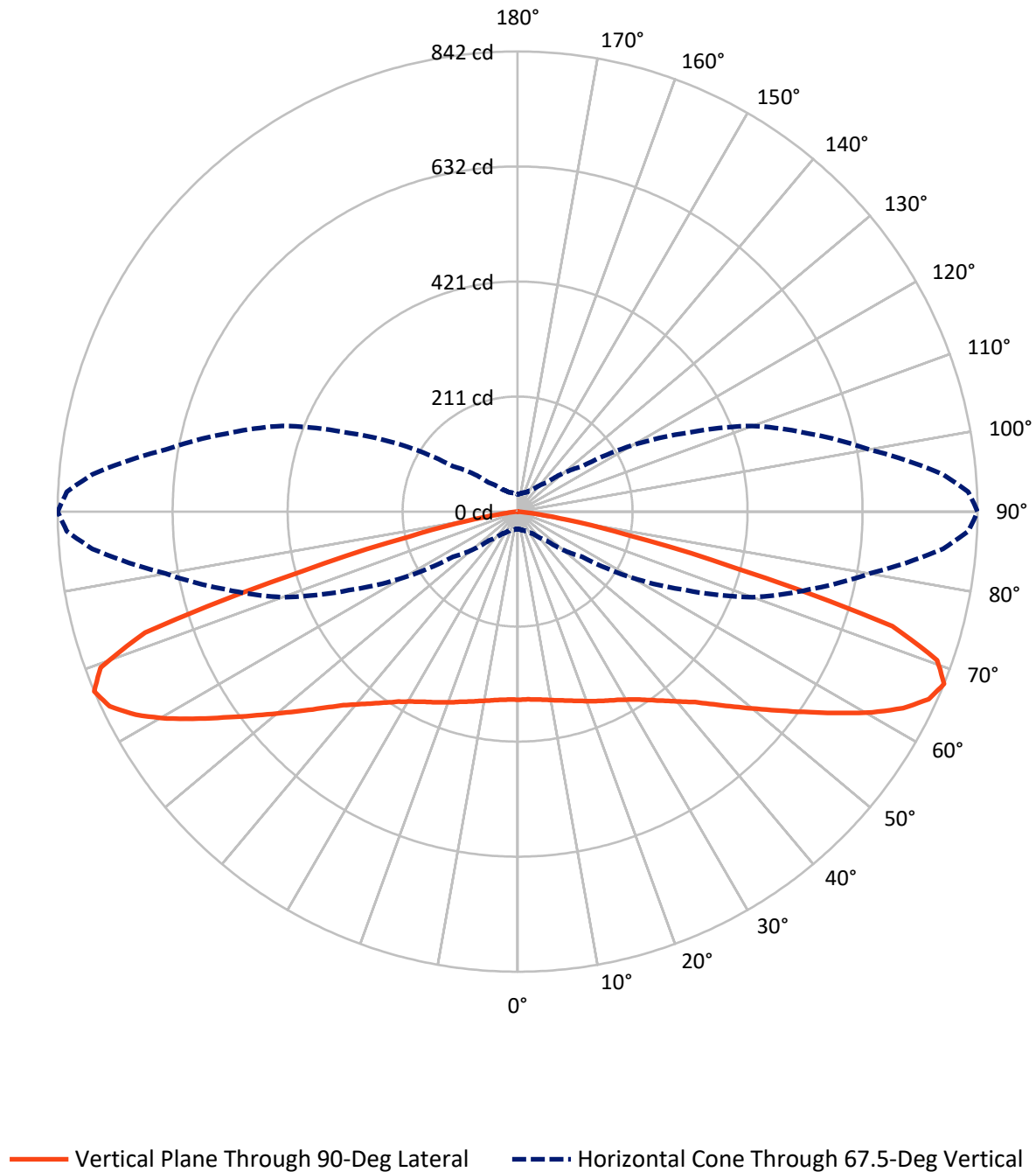
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type I - Short - N/A

REPORT NUMBER: P1212025
CATALOG NUMBER: GKO-PB1B-830-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212025

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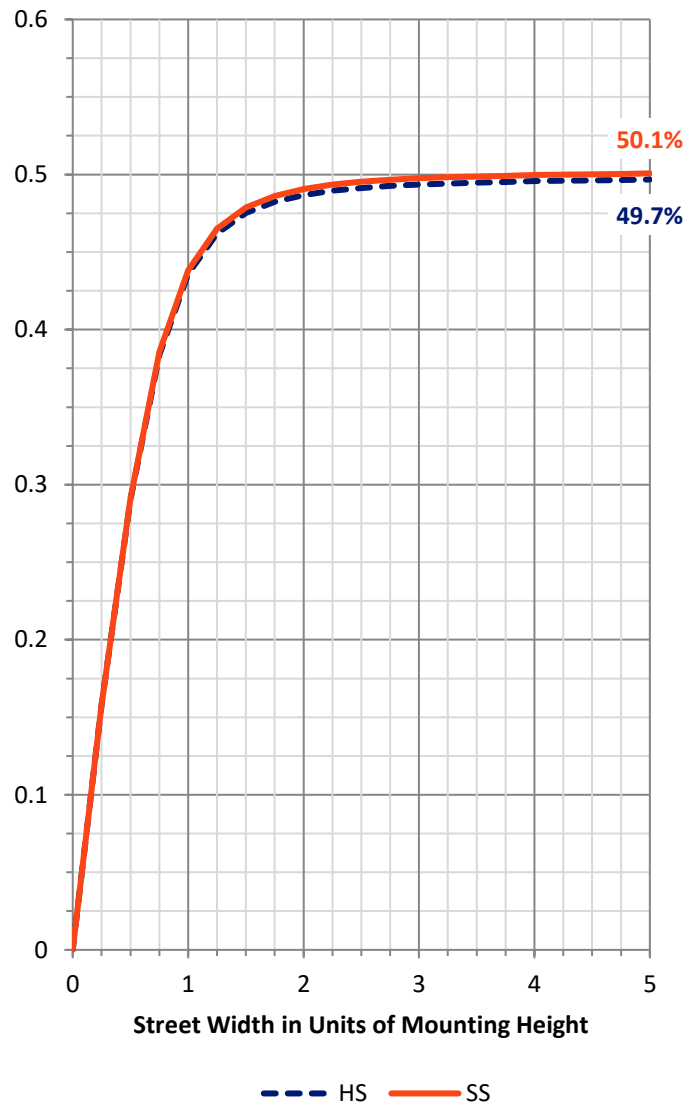
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	693.7	0.0	693.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	693.7	0.0	693.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	1387.4	0.0	1387.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	2.4
10°-20°	99.5	7.2
20°-30°	165.4	11.9
30°-40°	219.8	15.8
40°-50°	247.8	17.9
50°-60°	254.8	18.4
60°-70°	240.8	17.4
70°-80°	117.9	8.5
80°-90°	8.4	0.6
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°-90°	1387.4	100.0
0°-180°	1387.4	100.0



REPORT NUMBER: P1212025

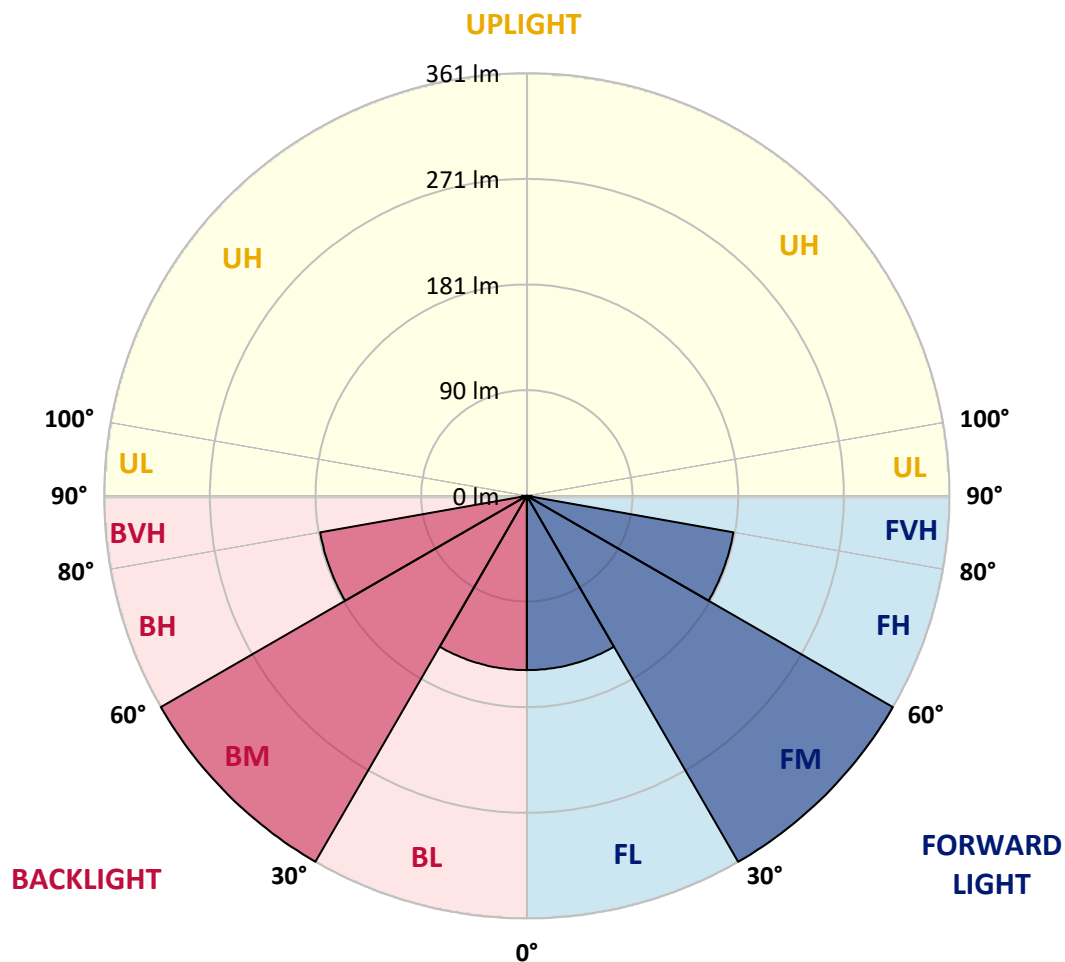
CATALOG NUMBER: GKO-PB1B-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.0	10.7			
FM	(30°-60°)	361.2	26.0			
FH	(60°-80°)	179.3	12.9			G0/660
FVH	(80°-90°)	4.2	0.3			G0/10
BL	(0°-30°)	149.0	10.7	B1/500		
BM	(30°-60°)	361.2	26.0	B1/1000		
BH	(60°-80°)	179.3	12.9	B1/500		G1/500
BVH	(80°-90°)	4.2	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short



REPORT NUMBER: P1212025

CATALOG NUMBER: GKO-PB1B-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3
2.5°	344.5	345.0	344.0	344.0	344.5	344.8	344.8	345.0	344.5	344.5	344.3
5°	344.5	344.8	344.3	344.3	344.8	345.5	345.3	345.8	345.8	345.5	345.5
7.5°	344.3	344.8	344.3	344.5	345.3	346.8	346.8	346.8	347.3	347.9	347.9
10°	344.0	344.5	344.8	345.0	346.1	348.4	348.9	349.1	349.9	350.7	350.7
12.5°	342.7	343.2	344.0	345.0	346.8	349.9	350.9	351.7	353.0	353.7	354.2
15°	340.9	341.2	343.0	345.0	347.9	351.7	353.7	355.0	356.8	357.8	358.6
17.5°	338.4	338.6	341.5	344.5	348.6	354.0	357.3	359.4	361.2	362.7	363.7
20°	335.1	335.8	339.2	344.0	349.9	356.3	361.2	364.7	366.5	368.1	369.6
22.5°	331.0	331.7	335.8	342.7	351.2	359.4	365.8	370.4	372.7	374.7	376.5
25°	324.8	325.9	330.7	339.7	351.7	362.7	370.9	376.8	378.8	381.4	382.9
27.5°	315.4	316.1	322.0	333.5	350.2	366.3	376.8	383.7	386.0	388.8	390.3
30°	300.5	302.1	309.2	323.6	346.3	369.1	383.7	390.6	393.4	396.2	398.2
32.5°	281.3	283.7	291.6	310.0	338.9	370.1	391.1	399.0	402.6	405.7	408.2
35°	257.6	259.9	269.3	292.6	327.1	368.1	398.5	408.7	413.1	417.2	420.2
37.5°	230.5	232.5	244.0	270.6	310.3	361.7	404.4	419.5	425.3	430.7	434.8
40°	203.1	205.4	217.9	246.3	289.8	349.4	406.9	431.2	438.7	445.6	450.7
42.5°	173.4	176.2	190.3	220.5	266.0	332.5	404.9	442.7	452.0	461.4	469.1
45°	147.1	147.6	162.9	192.1	239.9	310.8	397.7	453.7	466.3	479.6	490.6
47.5°	121.7	122.8	136.1	165.0	212.8	286.2	384.7	462.4	482.4	499.5	515.6
50°	99.2	100.5	112.5	138.4	185.7	259.4	367.0	467.6	496.2	519.5	542.0
52.5°	80.8	82.4	92.3	115.1	158.3	231.2	345.3	468.3	508.7	539.4	569.3
55°	67.3	68.3	76.0	94.1	132.0	202.1	320.5	464.5	516.9	557.3	597.2
57.5°	56.8	57.8	63.2	77.5	108.2	172.1	290.3	455.5	521.3	572.9	625.4
60°	49.4	50.1	54.0	64.2	89.0	144.0	257.8	439.7	520.0	582.7	648.6
62.5°	44.0	44.2	47.6	54.7	73.4	117.4	221.2	415.9	509.5	583.9	664.5
65°	39.1	39.4	41.4	46.6	60.4	94.4	183.1	383.1	489.5	575.0	666.8
67.5°	31.7	32.2	35.3	39.1	49.6	74.7	144.3	340.2	458.3	551.7	653.8
70°	25.3	25.6	28.6	33.0	40.4	58.8	110.7	282.4	409.5	513.8	620.0
72.5°	18.9	19.4	22.3	26.6	33.0	45.5	80.1	213.6	327.4	433.3	539.9
75°	15.1	15.3	16.4	20.5	25.6	34.5	54.0	129.4	197.2	268.0	331.0
77.5°	12.8	13.0	13.0	15.9	18.9	23.3	28.6	51.4	83.4	118.7	157.3
80°	10.5	11.0	10.0	11.8	13.6	13.6	13.3	24.6	39.4	55.8	73.2
82.5°	7.7	8.2	7.7	8.2	8.2	7.4	6.9	9.2	12.5	17.1	18.7
85°	5.4	5.6	6.1	5.6	5.4	4.3	3.3	2.6	1.5	1.8	2.6
87.5°	3.6	4.3	5.1	4.9	4.1	3.3	2.3	1.5	0.8	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212025
 CATALOG NUMBER: GKO-PB1B-830-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	344.3	344.3	344.3
2.5°	344.5	344.3	344.0
5°	345.8	345.5	345.3
7.5°	347.6	347.6	347.6
10°	350.4	350.9	350.9
12.5°	354.0	354.5	354.5
15°	358.3	358.6	359.1
17.5°	363.7	364.0	364.0
20°	370.1	369.8	370.4
22.5°	376.5	376.5	376.5
25°	383.1	383.1	383.1
27.5°	390.8	390.8	390.3
30°	399.3	399.3	399.3
32.5°	409.5	409.7	410.0
35°	422.5	423.0	423.8
37.5°	437.4	438.7	439.4
40°	455.0	455.5	456.8
42.5°	474.7	476.2	476.5
45°	499.3	501.8	502.8
47.5°	528.2	531.8	533.5
50°	560.4	564.5	567.0
52.5°	595.4	602.1	605.2
55°	632.8	644.3	647.6
57.5°	675.0	690.6	695.2
60°	716.4	738.4	745.8
62.5°	751.7	782.7	791.9
65°	776.5	813.9	827.4
67.5°	781.6	825.9	842.0
70°	750.9	796.2	814.9
72.5°	653.0	693.9	717.2
75°	385.7	415.1	408.0
77.5°	193.6	202.1	203.3
80°	84.9	90.0	92.1
82.5°	21.0	21.5	24.3
85°	2.8	3.3	3.1
87.5°	1.0	1.0	1.3
90°	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP3-2511-595-4

Test Date: 11/12/2025

Luminaire Tested: GKO-PB1C-830-U-T4W

Data in this report applies to families of products including GKO-PB1C-830*

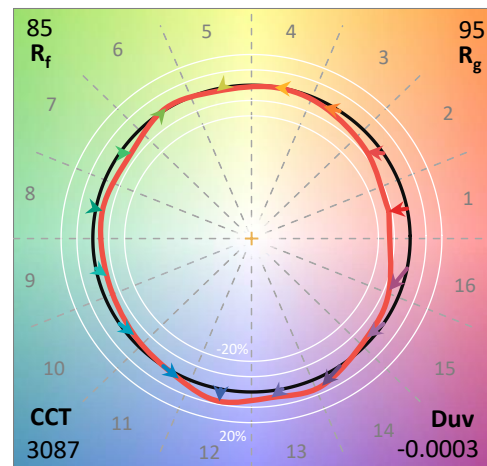
Test Information

Test Method: LM-79-2019
 Report Number: SP3-2511-595-4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP3 - 3M SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/27/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-830-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3087
 CIE u' : 0.2477
 CIE v' : 0.5192
 Duv: -0.0003
 CIE x: 0.4305
 CIE y: 0.4010
 CIE z: 0.1685
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 582
 Purity: 49.5752
 Rf: 84.7
 Rg: 94.9

CRI (Ra): 82.7
 R1: 81.5
 R2: 92.1
 R3: 95.2
 R4: 80.4
 R5: 81.9
 R6: 90.5
 R7: 82.0
 R8: 58.3
 R9: 5.8
 R10: 82.0
 R11: 80.1
 R12: 71.1
 R13: 84.2
 R14: 98.1
 R15: 73.7



Test Conditions

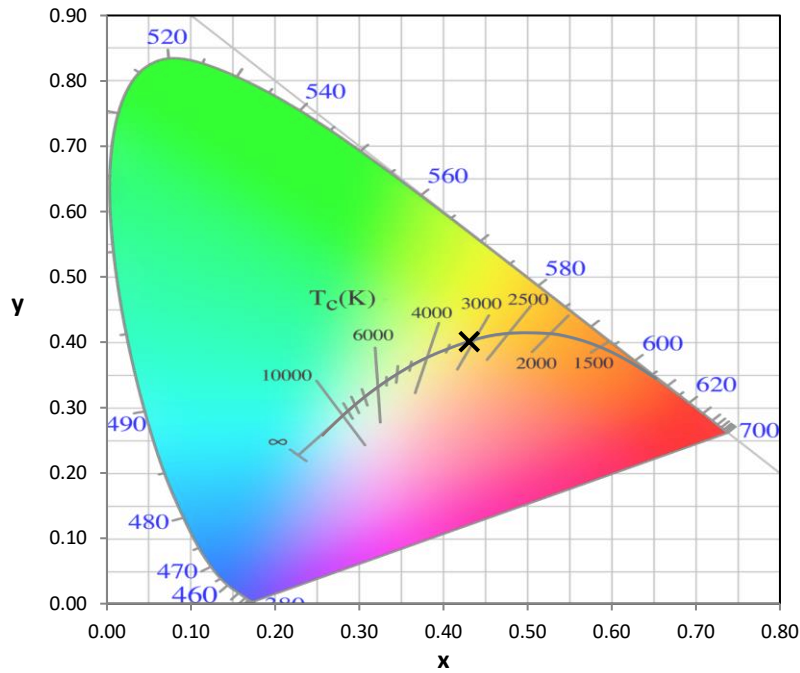
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP3-2511-595-4

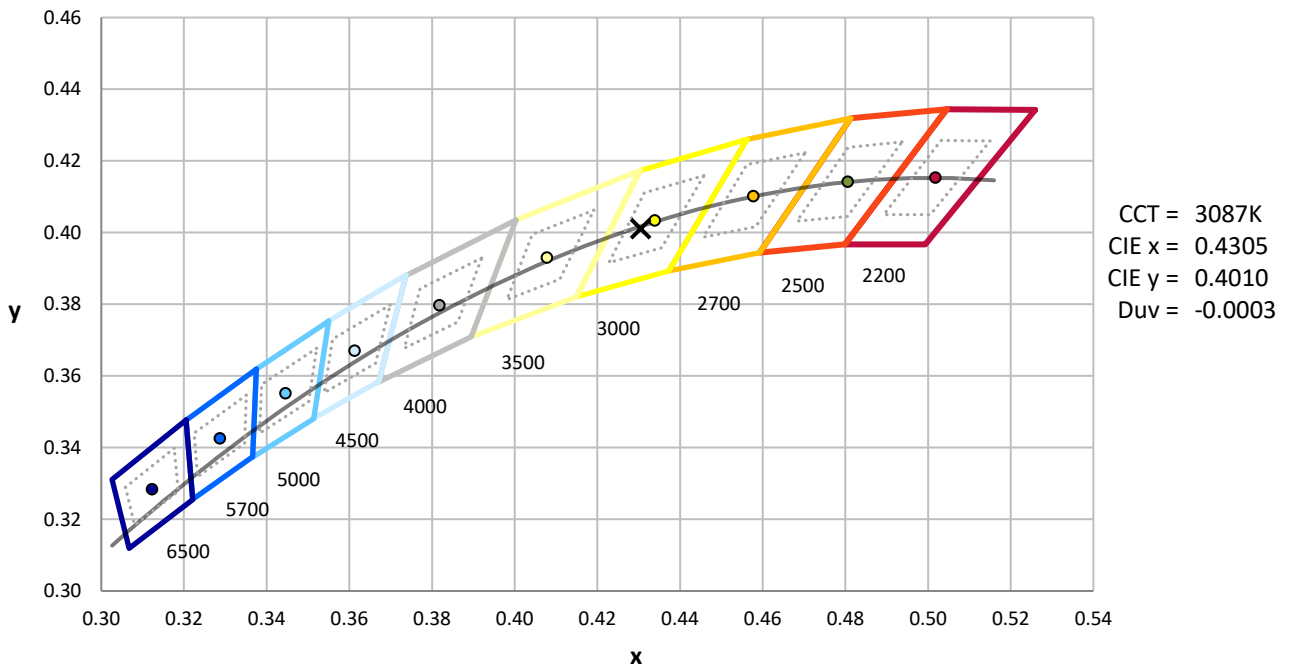
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

REPORT NUMBER: SP3-2511-595-4

CIE 1931 Chromaticity Diagram



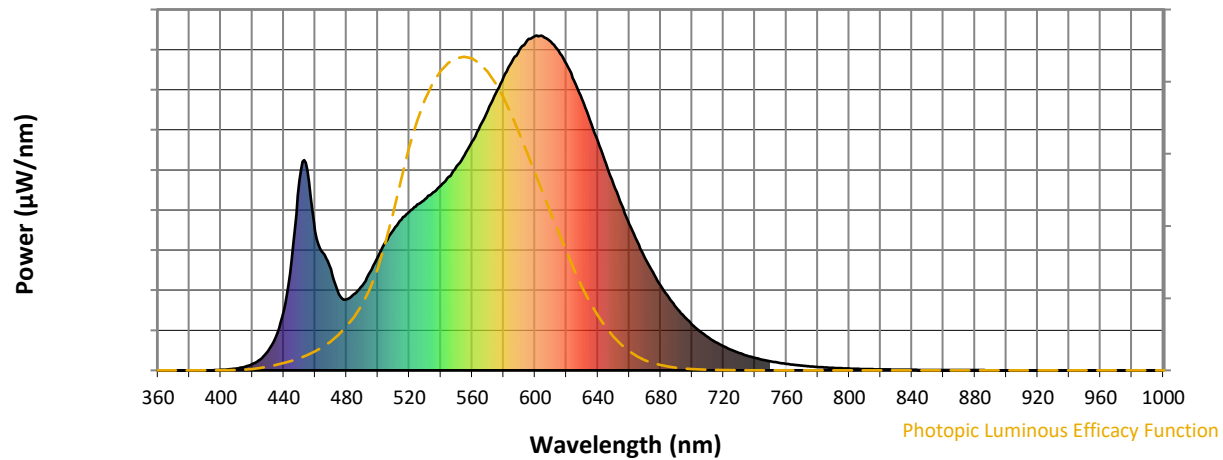
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP3-2511-595-4

Photopic Flux vs. Wavelength

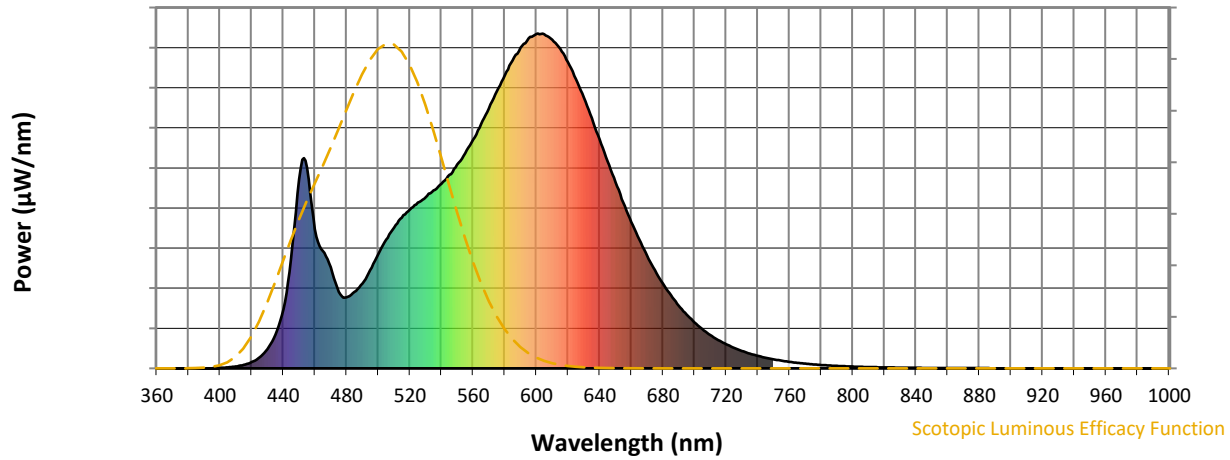


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP3-2511-595-4

Scotopic Flux vs. Wavelength



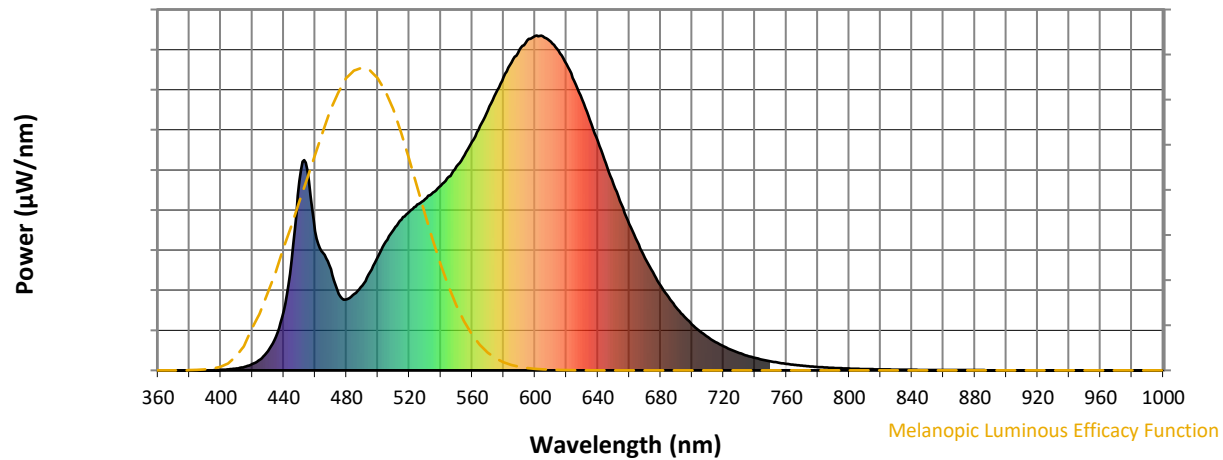
Scotopic Lumens: NR

S/P: 1.4

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP3-2511-595-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.74

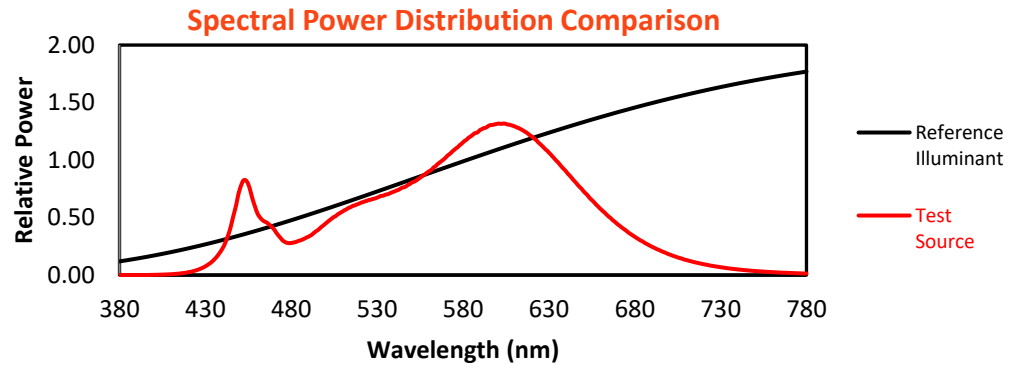
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

REPORT NUMBER: SP3-2511-595-4

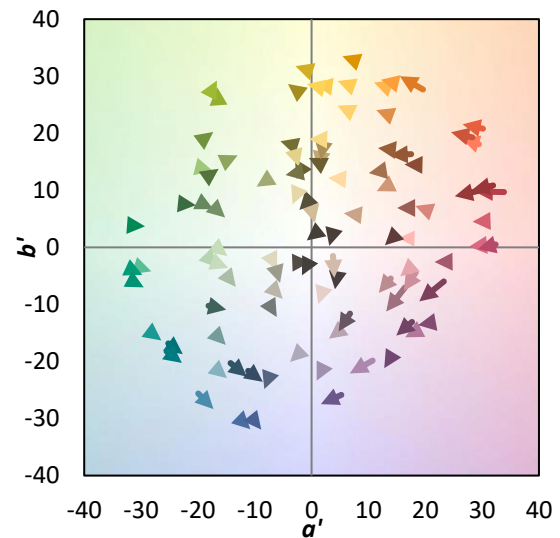
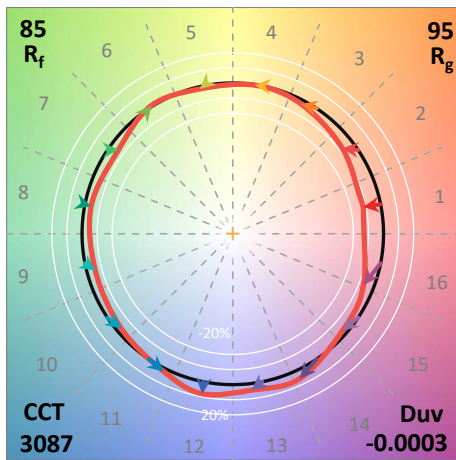
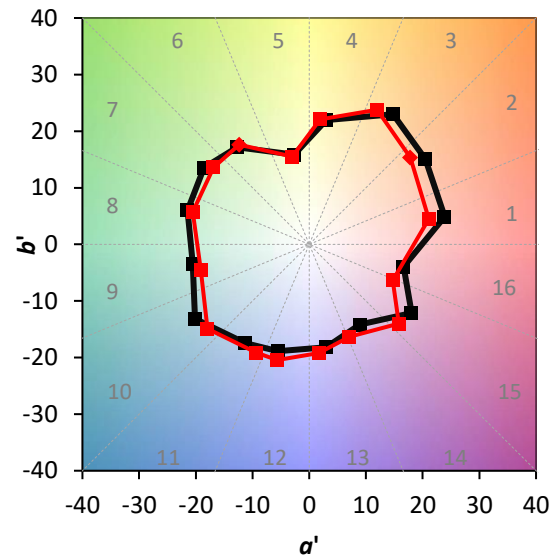
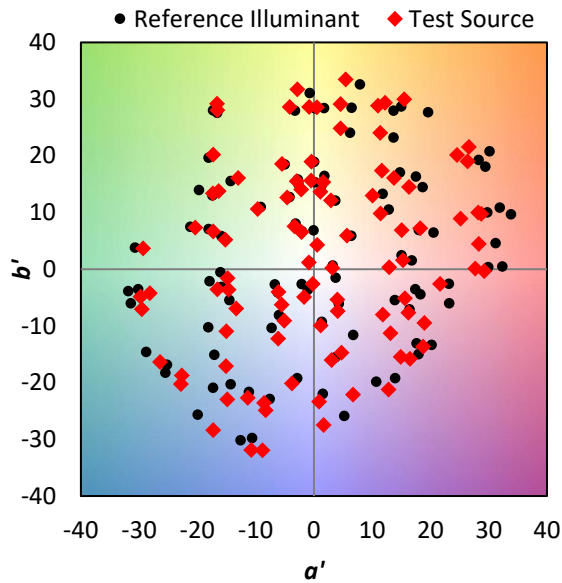
TM-30-18

Summary

$R_f = 84.7$
 $R_g = 94.9$
 $CIE R_a = 82.7$
 $R_9 = 5.8$

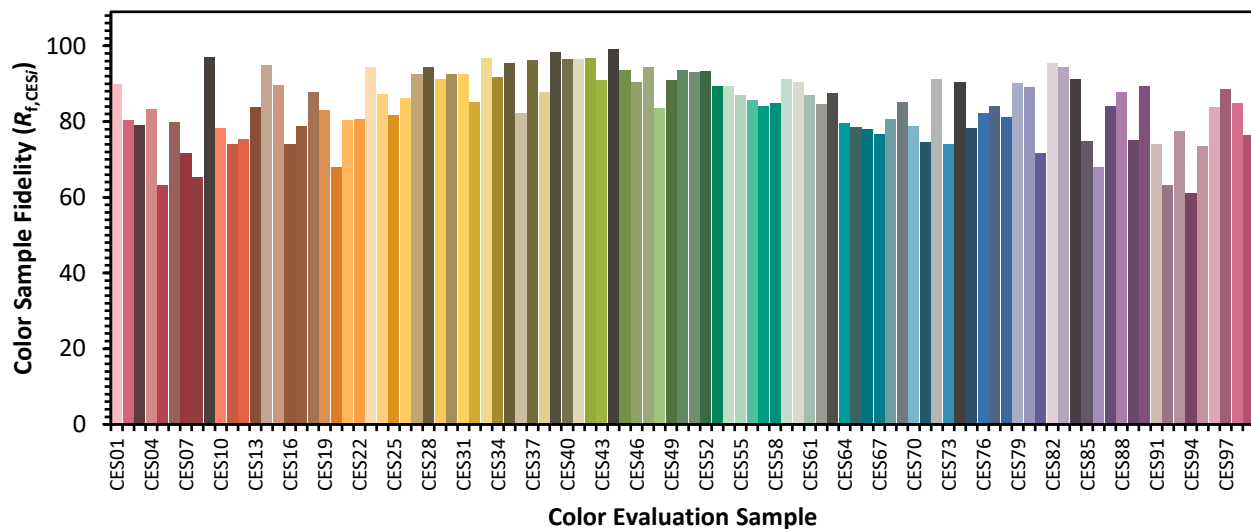


Color Vector Graphics

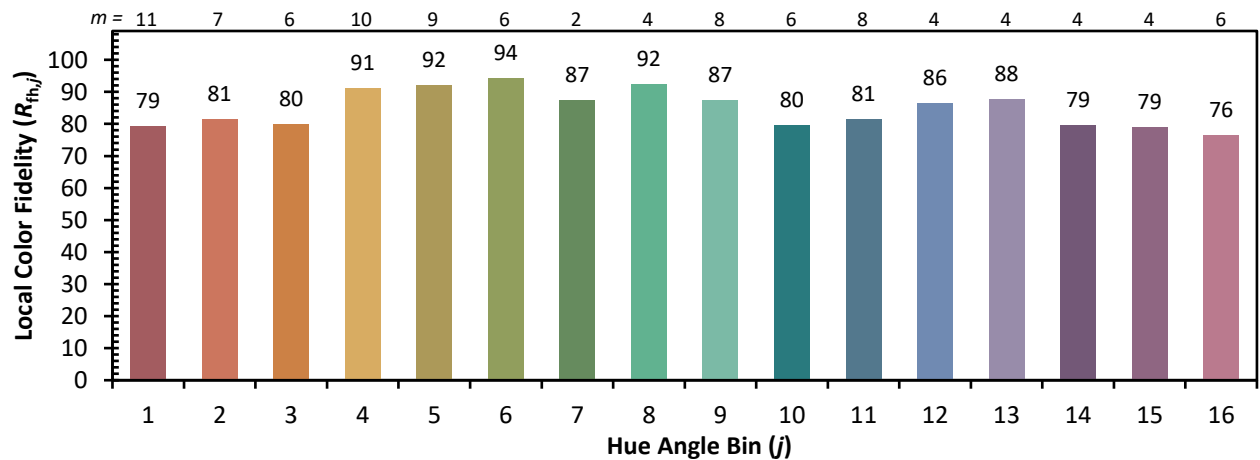
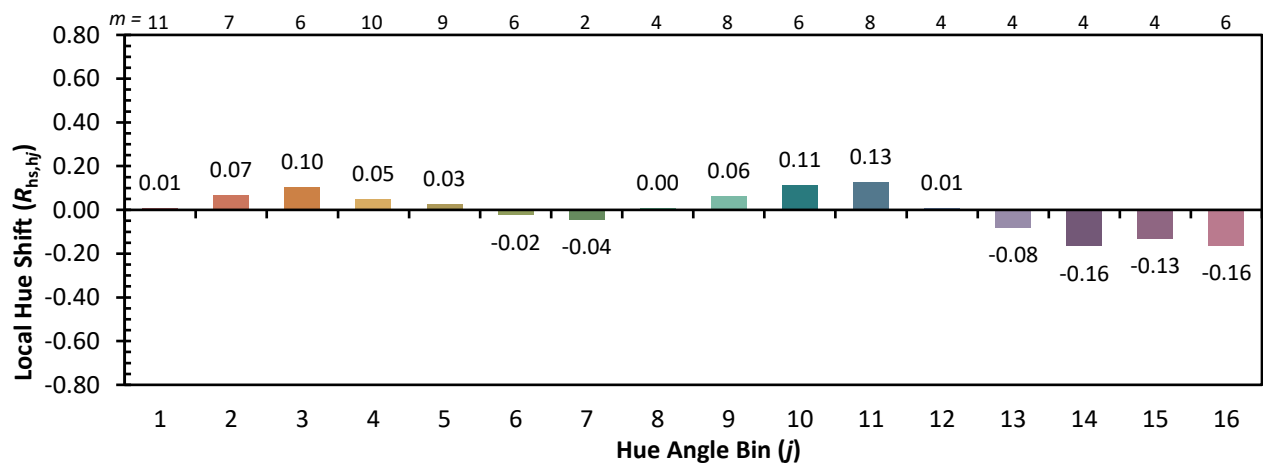
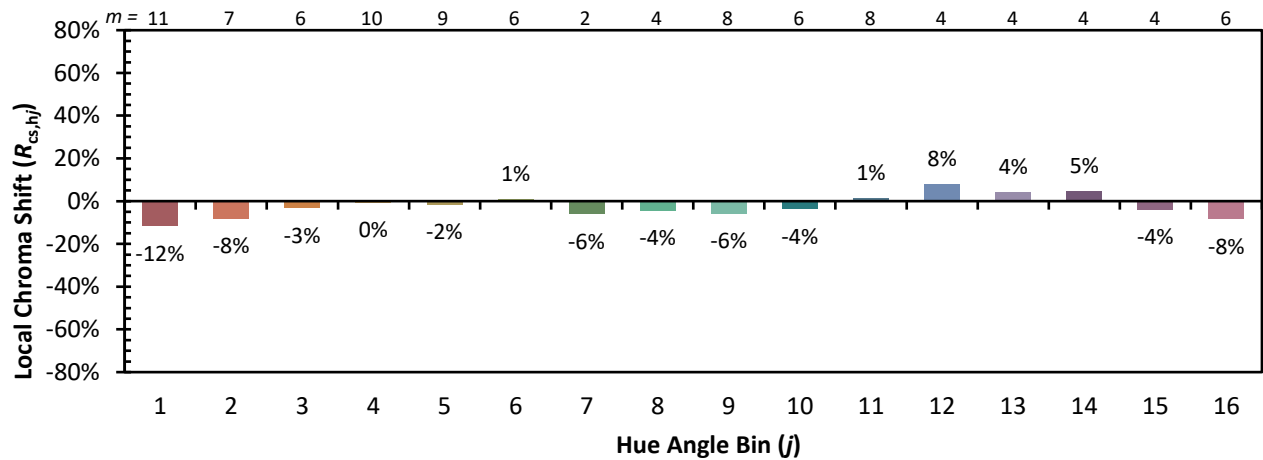


Individual Sample Fidelity Index ($R_{f,i}$)

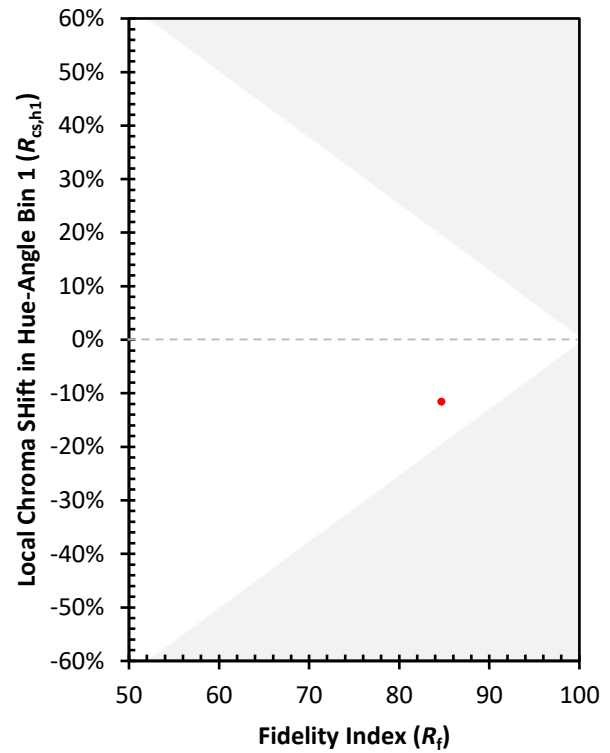
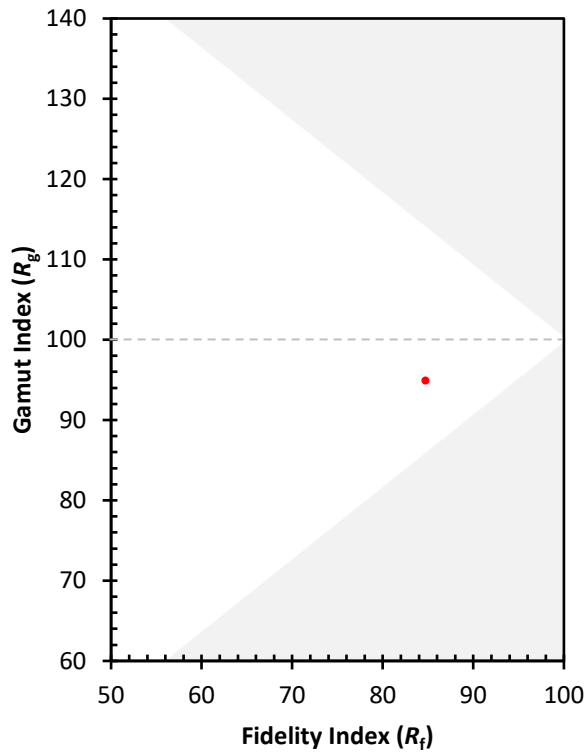
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CES02 = 63	CES27 = 93	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 89	CES78 = 81
CES04 = 70	CES29 = 91	CES54 = 89	CES79 = 90
CES05 = 49	CES30 = 93	CES55 = 87	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 86	CES81 = 72
CES07 = 42	CES32 = 85	CES57 = 84	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 85	CES83 = 94
CES09 = 29	CES34 = 92	CES59 = 91	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 82	CES61 = 87	CES86 = 68
CES12 = 65	CES37 = 96	CES62 = 85	CES87 = 84
CES13 = 43	CES38 = 88	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 80	CES89 = 75
CES15 = 72	CES40 = 96	CES65 = 79	CES90 = 89
CES16 = 47	CES41 = 96	CES66 = 78	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 77	CES92 = 63
CES18 = 56	CES43 = 91	CES68 = 81	CES93 = 77
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 61
CES20 = 66	CES45 = 93	CES70 = 79	CES95 = 74
CES21 = 87	CES46 = 90	CES71 = 75	CES96 = 84
CES22 = 79	CES47 = 94	CES72 = 91	CES97 = 89
CES23 = 92	CES48 = 84	CES73 = 74	CES98 = 85
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 77
CES25 = 72	CES50 = 93	CES75 = 78	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)