

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: P972406

Luminaire Tested: **GKO-PB1A-727-U-T1**

Issue Date: 02/27/2025

Test Information

Test Method: LM-79-08
Report Number: P972406
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1A-727-U-T1
Description: GEKKO WALL PACK 750LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 744.3 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 4.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 16%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

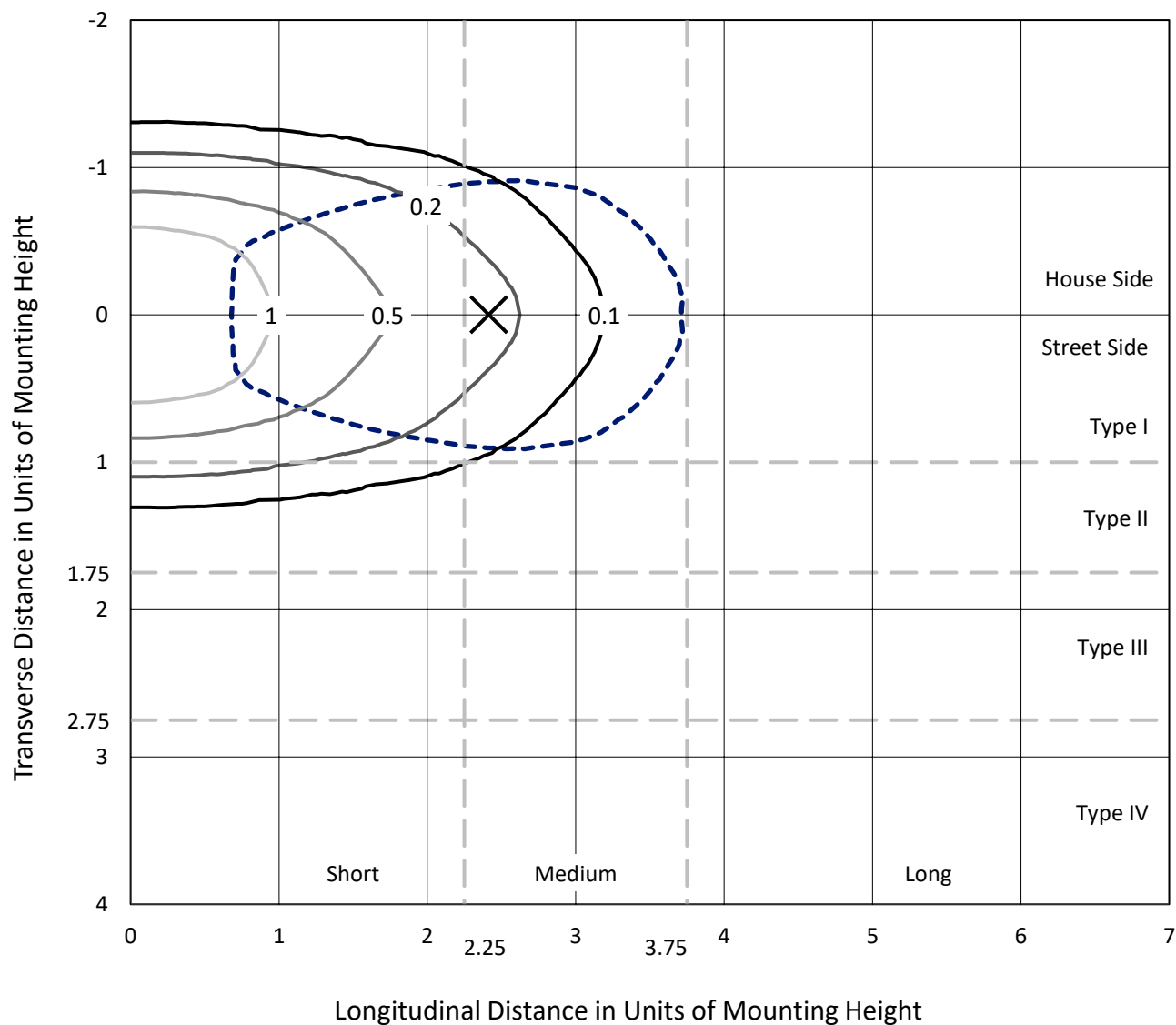
REPORT NUMBER: P972406

CATALOG NUMBER: GKO-PB1A-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

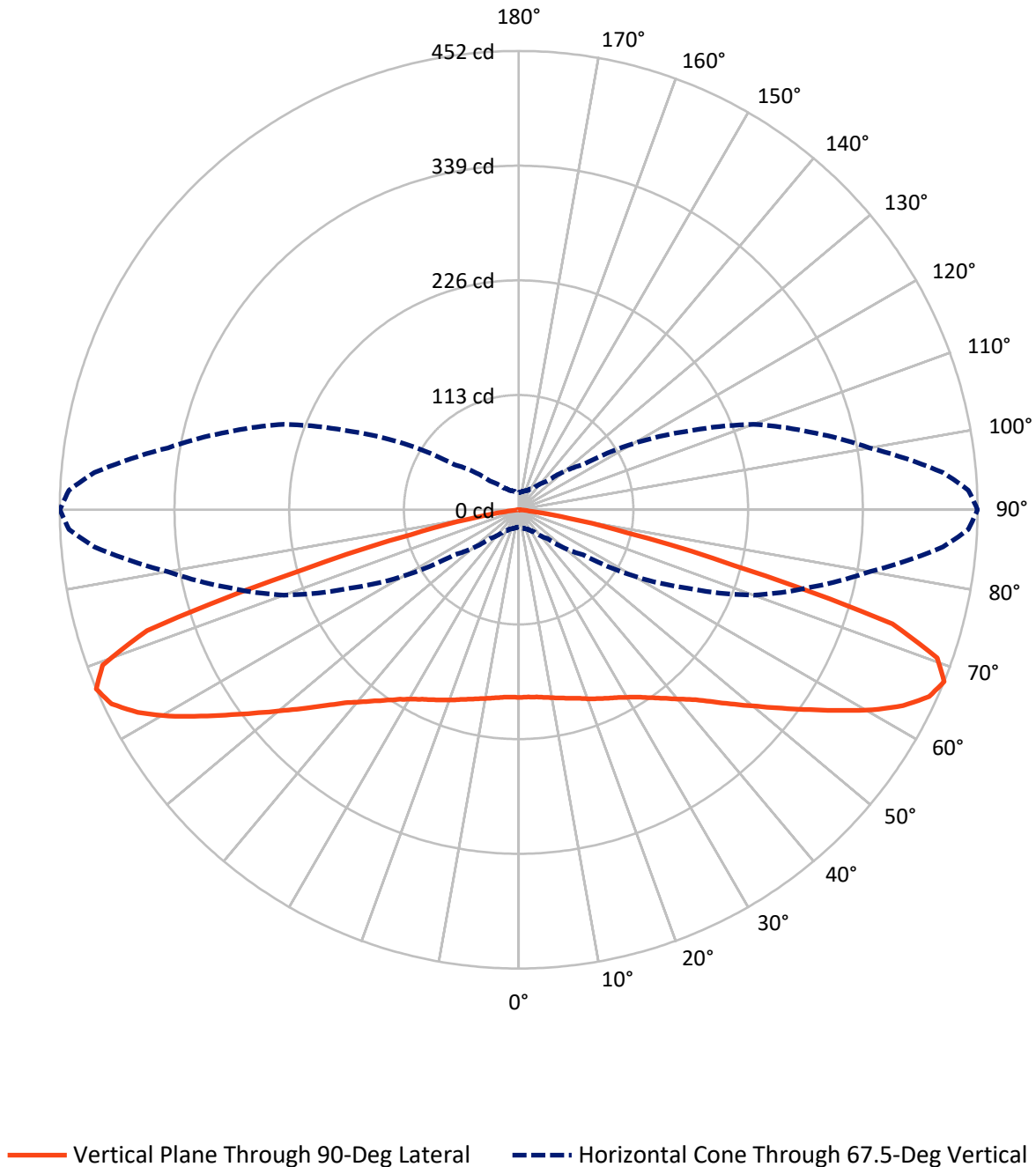


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type I - Short - N/A

REPORT NUMBER: P972406

CATALOG NUMBER: GKO-PB1A-727-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P972406

CATALOG NUMBER: GKO-PB1A-727-U-T1

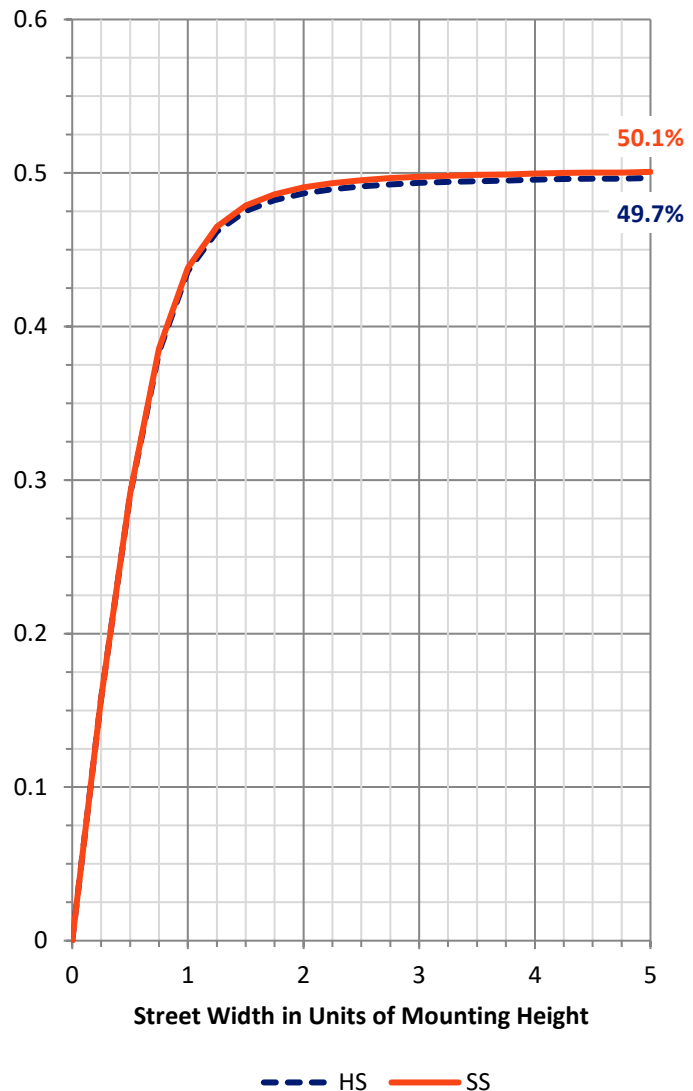
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	372.1	0.0	372.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	372.1	0.0	372.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	744.3	0.0	744.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	2.4
10°-20°	53.4	7.2
20°-30°	88.8	11.9
30°-40°	117.9	15.8
40°-50°	132.9	17.9
50°-60°	136.7	18.4
60°-70°	129.2	17.4
70°-80°	63.2	8.5
80°-90°	4.5	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°	744.3	100.0
0°-180°	744.3	100.0



REPORT NUMBER: P972406

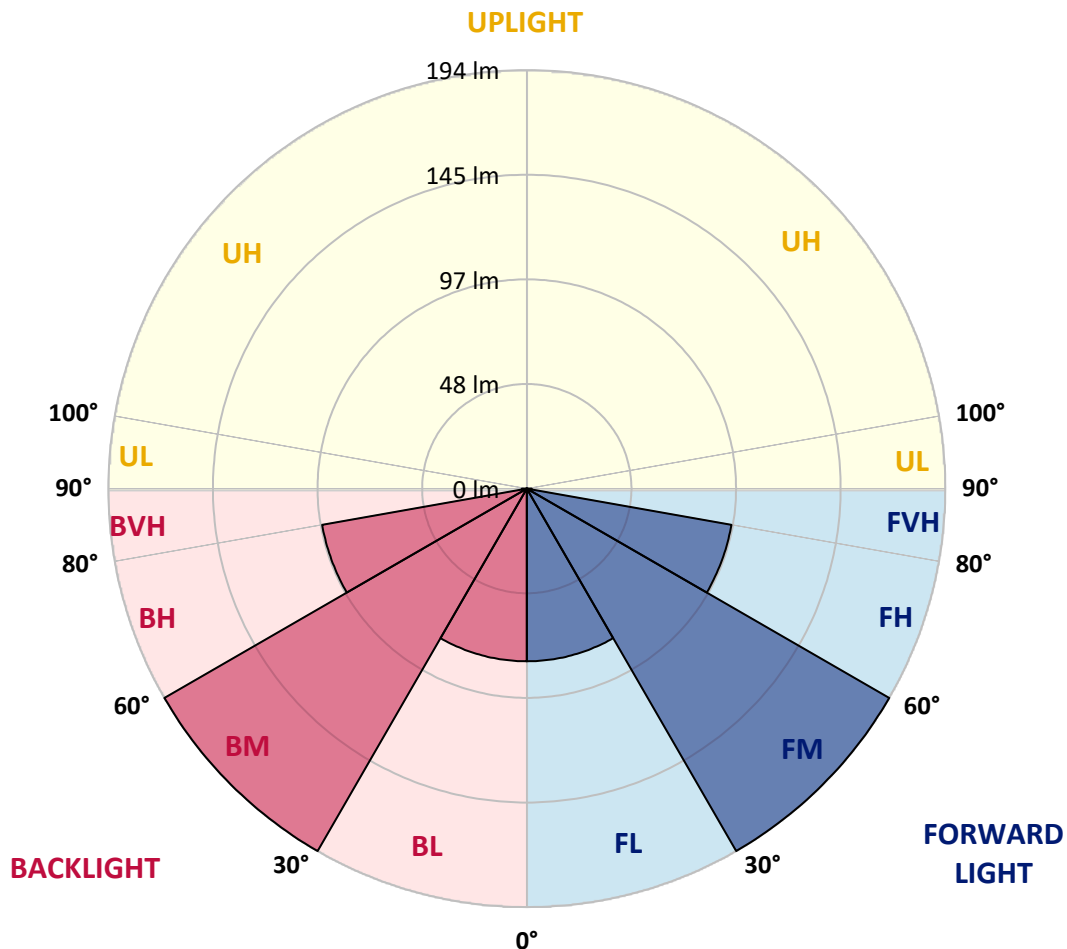
CATALOG NUMBER: GKO-PB1A-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.9	10.7			
FM	(30°-60°)	193.8	26.0			
FH	(60°-80°)	96.2	12.9			G0/660
FVH	(80°-90°)	2.3	0.3			G0/10
BL	(0°-30°)	79.9	10.7	B0/110		
BM	(30°-60°)	193.8	26.0	B0/220		
BH	(60°-80°)	96.2	12.9	B0/110		G0/110
BVH	(80°-90°)	2.3	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type I Short



REPORT NUMBER: P972406

CATALOG NUMBER: GKO-PB1A-727-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7	184.7
2.5°	184.8	185.1	184.6	184.6	184.8	185.0	185.0	185.1	184.8	184.8	184.7
5°	184.8	185.0	184.7	184.7	185.0	185.4	185.2	185.5	185.5	185.4	185.4
7.5°	184.7	185.0	184.7	184.8	185.2	186.1	186.1	186.1	186.3	186.6	186.6
10°	184.6	184.8	185.0	185.1	185.6	186.9	187.2	187.3	187.7	188.1	188.1
12.5°	183.9	184.1	184.6	185.1	186.1	187.7	188.3	188.7	189.4	189.8	190.0
15°	182.9	183.0	184.0	185.1	186.6	188.7	189.8	190.5	191.4	192.0	192.4
17.5°	181.5	181.7	183.2	184.8	187.0	189.9	191.7	192.8	193.7	194.6	195.1
20°	179.7	180.2	181.9	184.6	187.7	191.1	193.7	195.7	196.6	197.4	198.3
22.5°	177.6	178.0	180.2	183.9	188.4	192.8	196.2	198.7	199.9	201.0	202.0
25°	174.3	174.8	177.4	182.2	188.7	194.6	199.0	202.1	203.2	204.6	205.4
27.5°	169.2	169.6	172.8	178.9	187.8	196.5	202.1	205.8	207.1	208.6	209.4
30°	161.2	162.0	165.9	173.6	185.8	198.0	205.8	209.5	211.0	212.5	213.6
32.5°	150.9	152.2	156.4	166.3	181.8	198.5	209.8	214.1	216.0	217.6	219.0
35°	138.2	139.4	144.5	157.0	175.5	197.4	213.8	219.3	221.6	223.8	225.4
37.5°	123.6	124.7	130.9	145.2	166.4	194.0	216.9	225.0	228.2	231.1	233.3
40°	108.9	110.2	116.9	132.1	155.5	187.4	218.3	231.3	235.3	239.0	241.8
42.5°	93.0	94.5	102.1	118.3	142.7	178.4	217.2	237.5	242.5	247.5	251.6
45°	78.9	79.2	87.4	103.0	128.7	166.7	213.4	243.4	250.1	257.3	263.2
47.5°	65.3	65.9	73.0	88.5	114.2	153.5	206.4	248.1	258.8	268.0	276.6
50°	53.2	53.9	60.4	74.2	99.6	139.1	196.9	250.8	266.2	278.7	290.8
52.5°	43.4	44.2	49.5	61.7	84.9	124.0	185.2	251.2	272.9	289.4	305.4
55°	36.1	36.6	40.8	50.5	70.8	108.4	171.9	249.2	277.3	299.0	320.4
57.5°	30.5	31.0	33.9	41.6	58.0	92.3	155.7	244.4	279.6	307.4	335.5
60°	26.5	26.9	29.0	34.4	47.8	77.3	138.3	235.9	279.0	312.6	348.0
62.5°	23.6	23.7	25.5	29.4	39.4	63.0	118.7	223.1	273.3	313.3	356.5
65°	21.0	21.1	22.2	25.0	32.4	50.6	98.2	205.5	262.6	308.5	357.7
67.5°	17.0	17.3	18.9	21.0	26.6	40.1	77.4	182.5	245.9	296.0	350.7
70°	13.6	13.7	15.4	17.7	21.7	31.6	59.4	151.5	219.7	275.7	332.6
72.5°	10.2	10.4	11.9	14.3	17.7	24.4	42.9	114.6	175.6	232.4	289.7
75°	8.1	8.2	8.8	11.0	13.7	18.5	29.0	69.4	105.8	143.8	177.6
77.5°	6.9	7.0	7.0	8.5	10.2	12.5	15.4	27.6	44.7	63.7	84.4
80°	5.6	5.9	5.4	6.3	7.3	7.3	7.1	13.2	21.1	29.9	39.2
82.5°	4.1	4.4	4.1	4.4	4.4	4.0	3.7	4.9	6.7	9.2	10.0
85°	2.9	3.0	3.3	3.0	2.9	2.3	1.8	1.4	0.8	1.0	1.4
87.5°	1.9	2.3	2.7	2.6	2.2	1.8	1.2	0.8	0.4	0.5	0.5
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: P972406

CATALOG NUMBER: GKO-PB1A-727-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	184.7	184.7	184.7
2.5°	184.8	184.7	184.6
5°	185.5	185.4	185.2
7.5°	186.5	186.5	186.5
10°	188.0	188.3	188.3
12.5°	189.9	190.2	190.2
15°	192.2	192.4	192.6
17.5°	195.1	195.3	195.3
20°	198.5	198.4	198.7
22.5°	202.0	202.0	202.0
25°	205.5	205.5	205.5
27.5°	209.7	209.7	209.4
30°	214.2	214.2	214.2
32.5°	219.7	219.8	220.0
35°	226.7	227.0	227.4
37.5°	234.6	235.3	235.7
40°	244.1	244.4	245.1
42.5°	254.7	255.5	255.6
45°	267.8	269.2	269.8
47.5°	283.3	285.3	286.2
50°	300.6	302.8	304.2
52.5°	319.4	323.0	324.6
55°	339.5	345.6	347.4
57.5°	362.1	370.5	372.9
60°	384.3	396.1	400.1
62.5°	403.3	419.9	424.8
65°	416.6	436.6	443.9
67.5°	419.3	443.1	451.7
70°	402.9	427.1	437.2
72.5°	350.3	372.3	384.7
75°	206.9	222.7	218.9
77.5°	103.9	108.4	109.1
80°	45.6	48.3	49.4
82.5°	11.3	11.5	13.0
85°	1.5	1.8	1.6
87.5°	0.5	0.5	0.7
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: SP2-2501-321-3

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-727-U-T4W

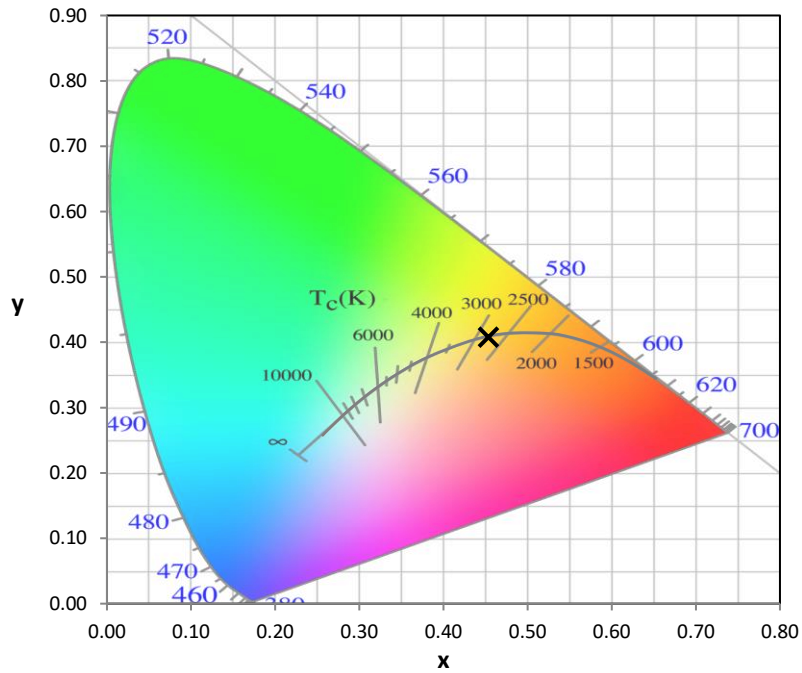
Data in this report applies to families of products including GKO-PB1E-727-U-T4W

REPORT NUMBER: SP2-2501-321-3

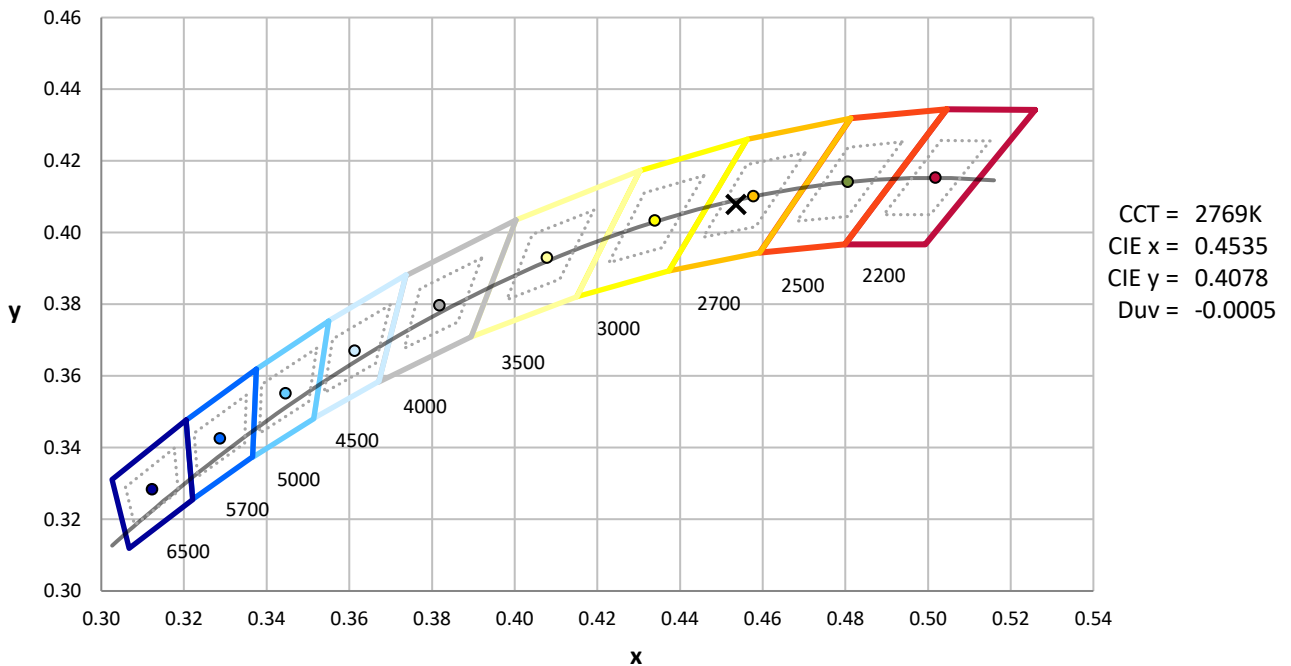
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP2-2501-321-3

CIE 1931 Chromaticity Diagram



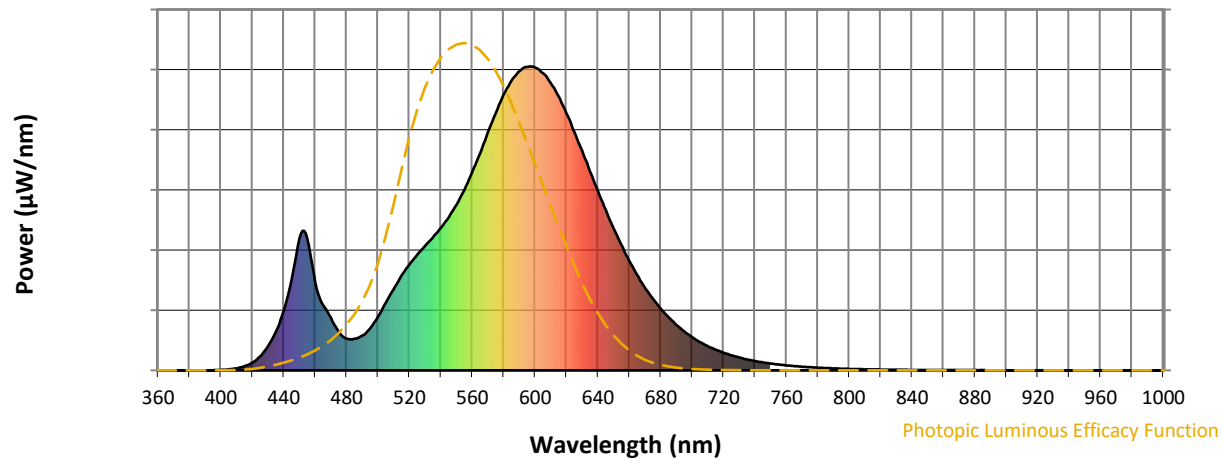
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-3

Photopic Flux vs. Wavelength

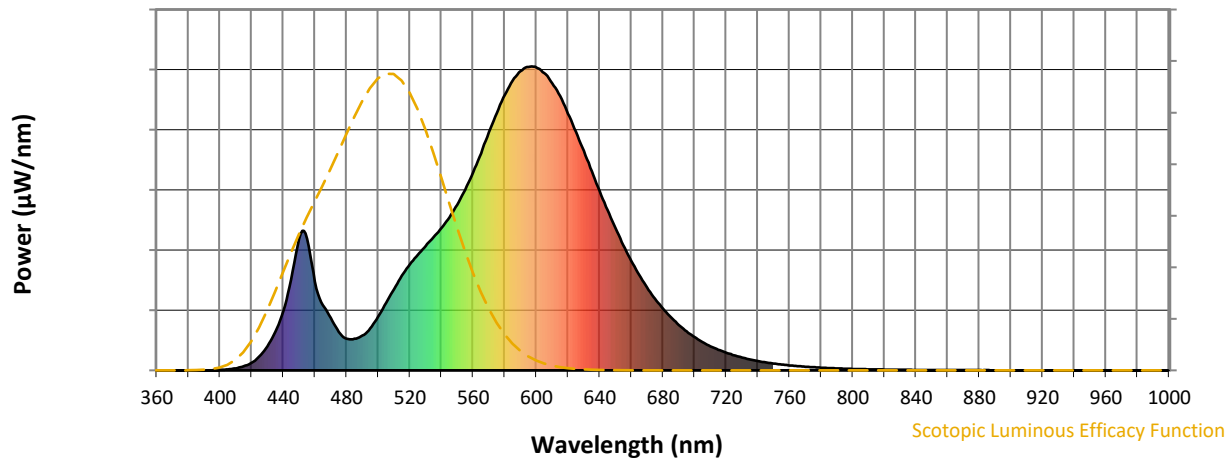


Photopic Lumens: NR

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	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Scotopic Flux vs. Wavelength



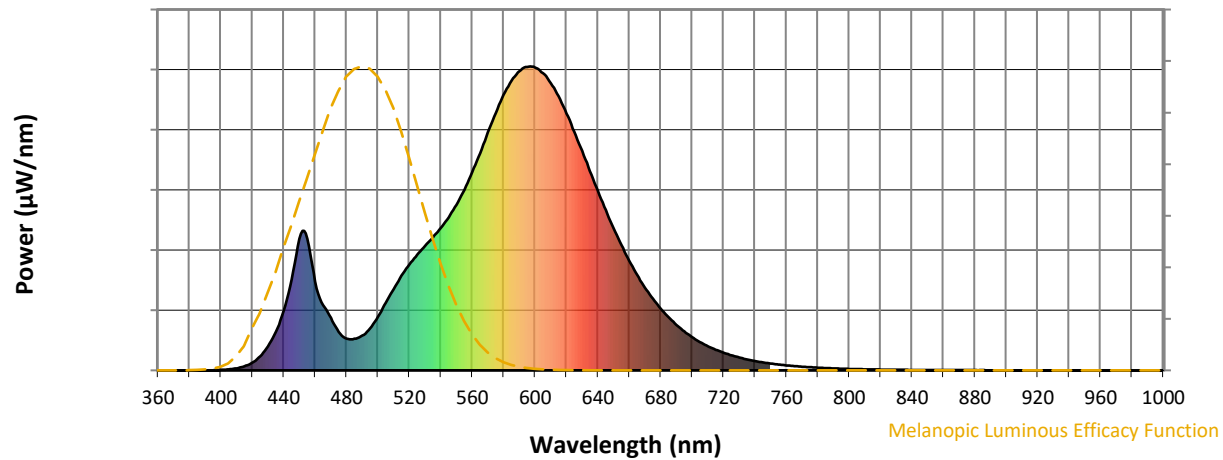
Scotopic Lumens: NR

S/P: 1.14

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	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.08

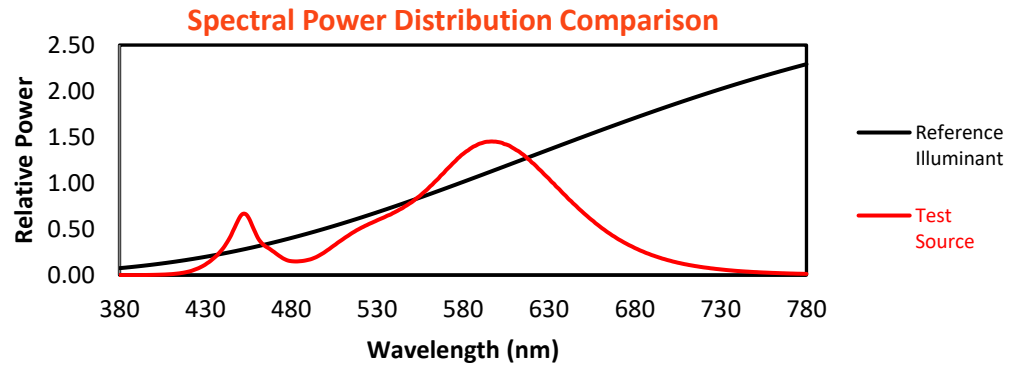
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

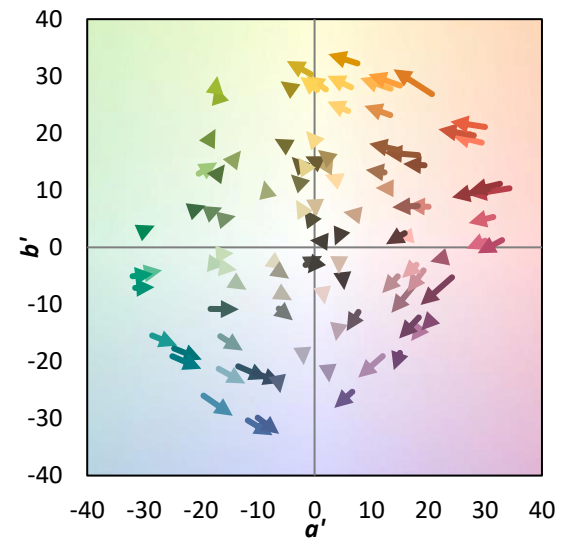
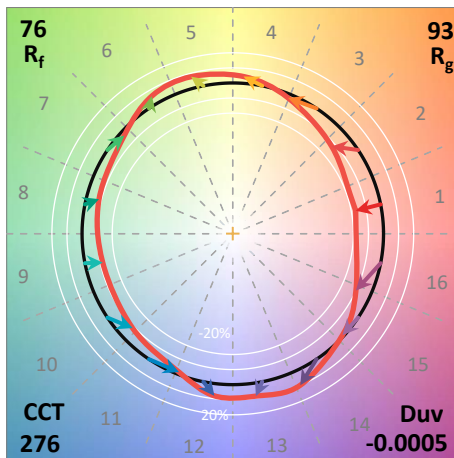
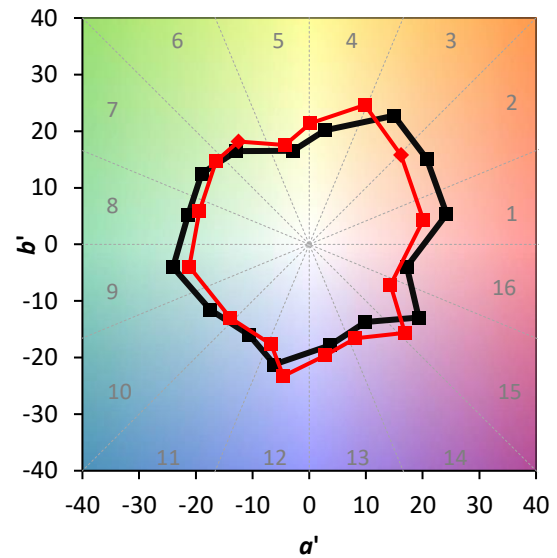
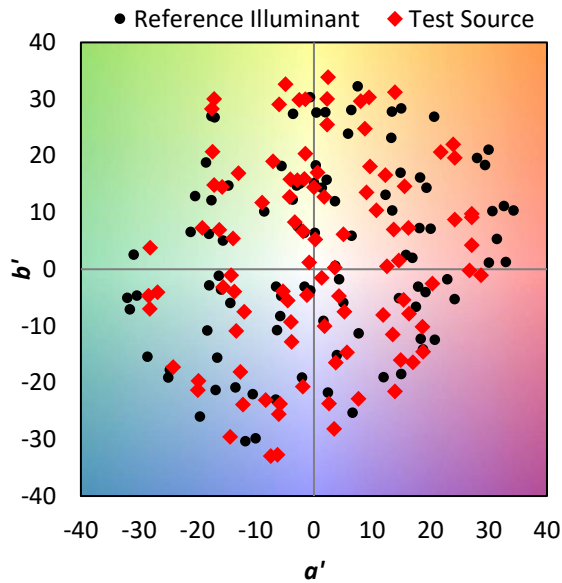
TM-30-18

Summary

$R_f = 75.7$
 $R_g = 93.2$
 $CIE R_a = 71.7$
 $R_g = -34.5$

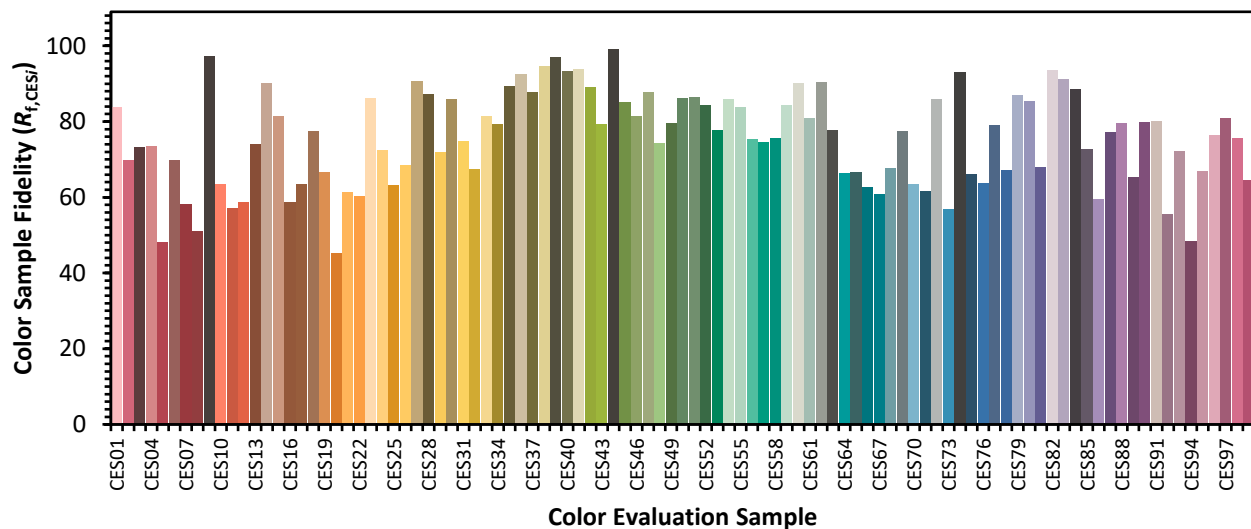


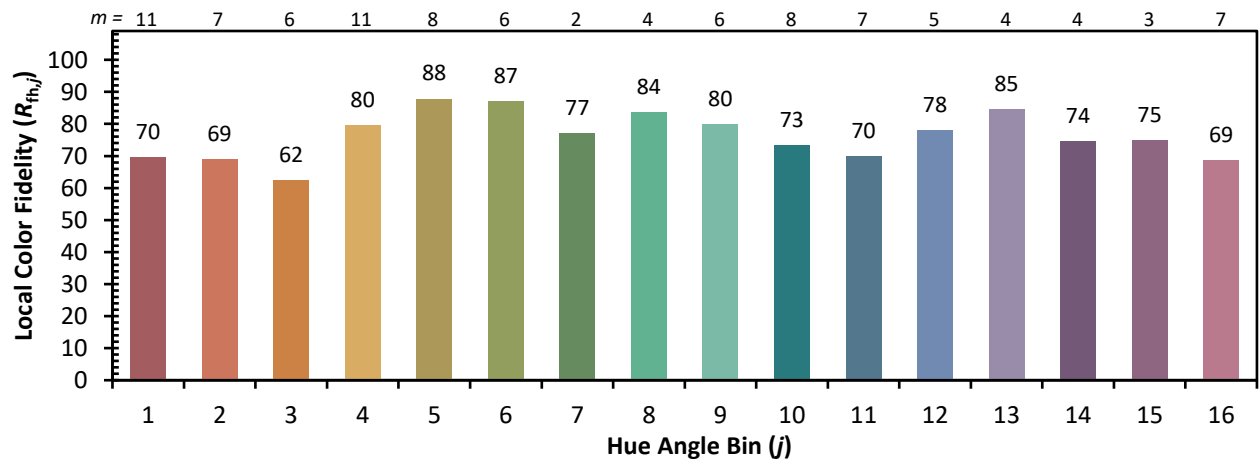
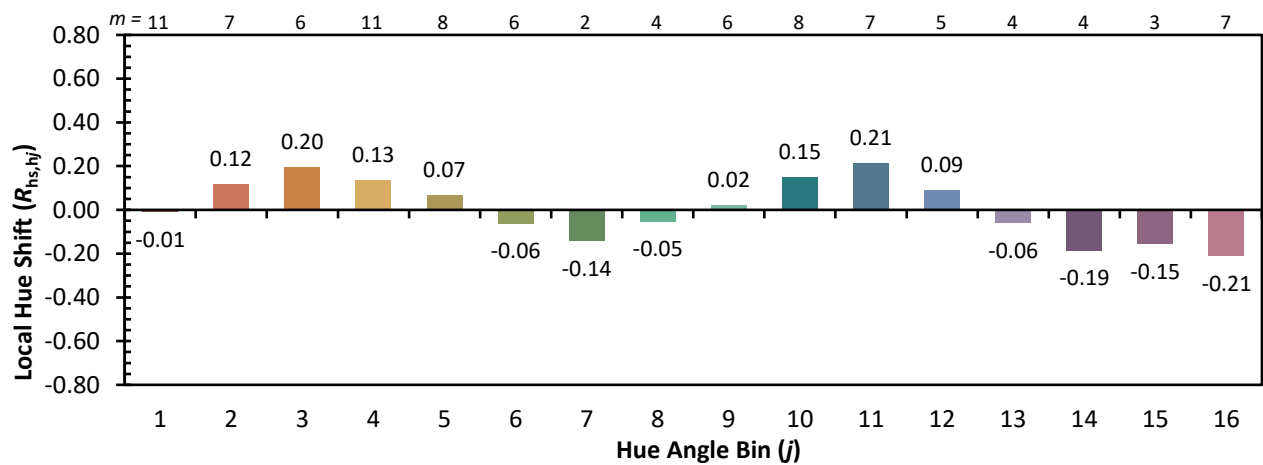
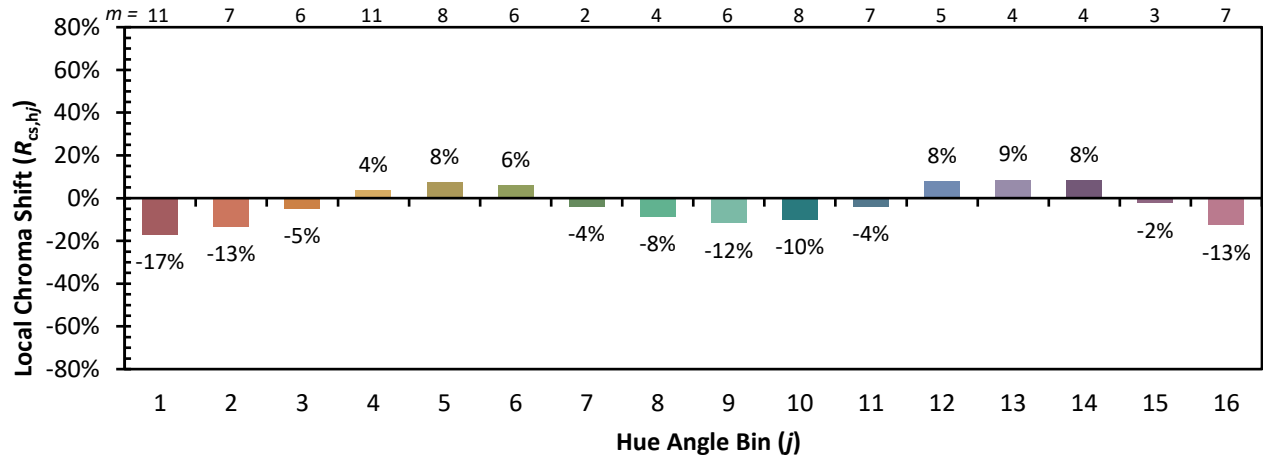
Color Vector Graphics



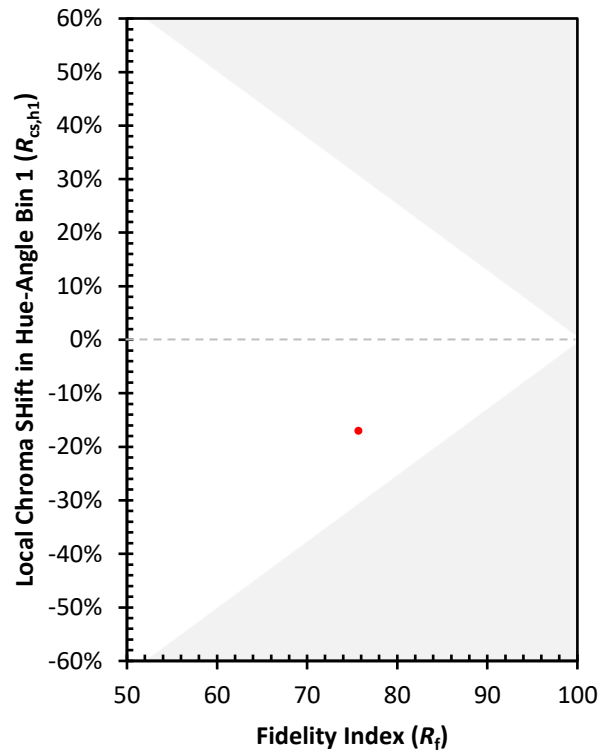
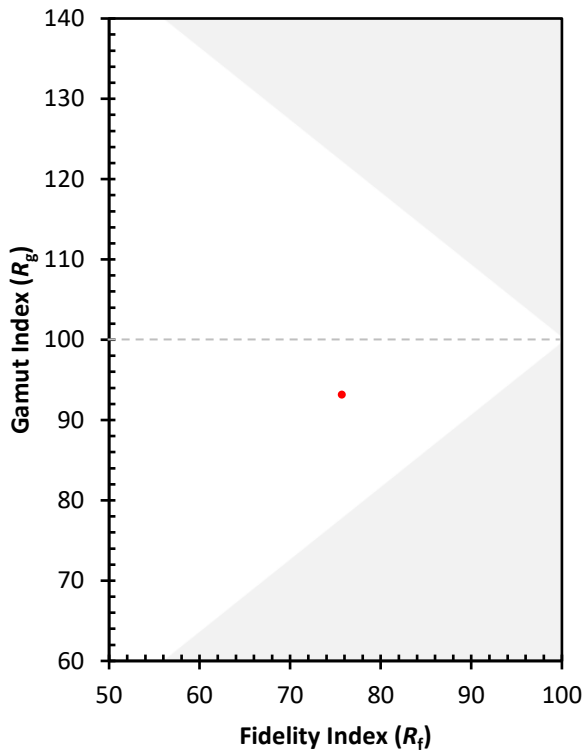
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 94
CES08 = 41	CES33 = 81	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 73
CES11 = 60	CES36 = 92	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 95	CES63 = 78	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 67	CES90 = 80
CES16 = 48	CES41 = 94	CES66 = 63	CES91 = 80
CES17 = 50	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 79	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 77	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 62	CES96 = 76
CES22 = 80	CES47 = 88	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 57	CES98 = 76
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)