

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: P1212006

Luminaire Tested: **GKO-PB1A-735-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212006
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1A-735-U-T1
Description: GEKKO WALL PACK 750LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE I
DISTRIBUTION OPTIC
Light Source: (10) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

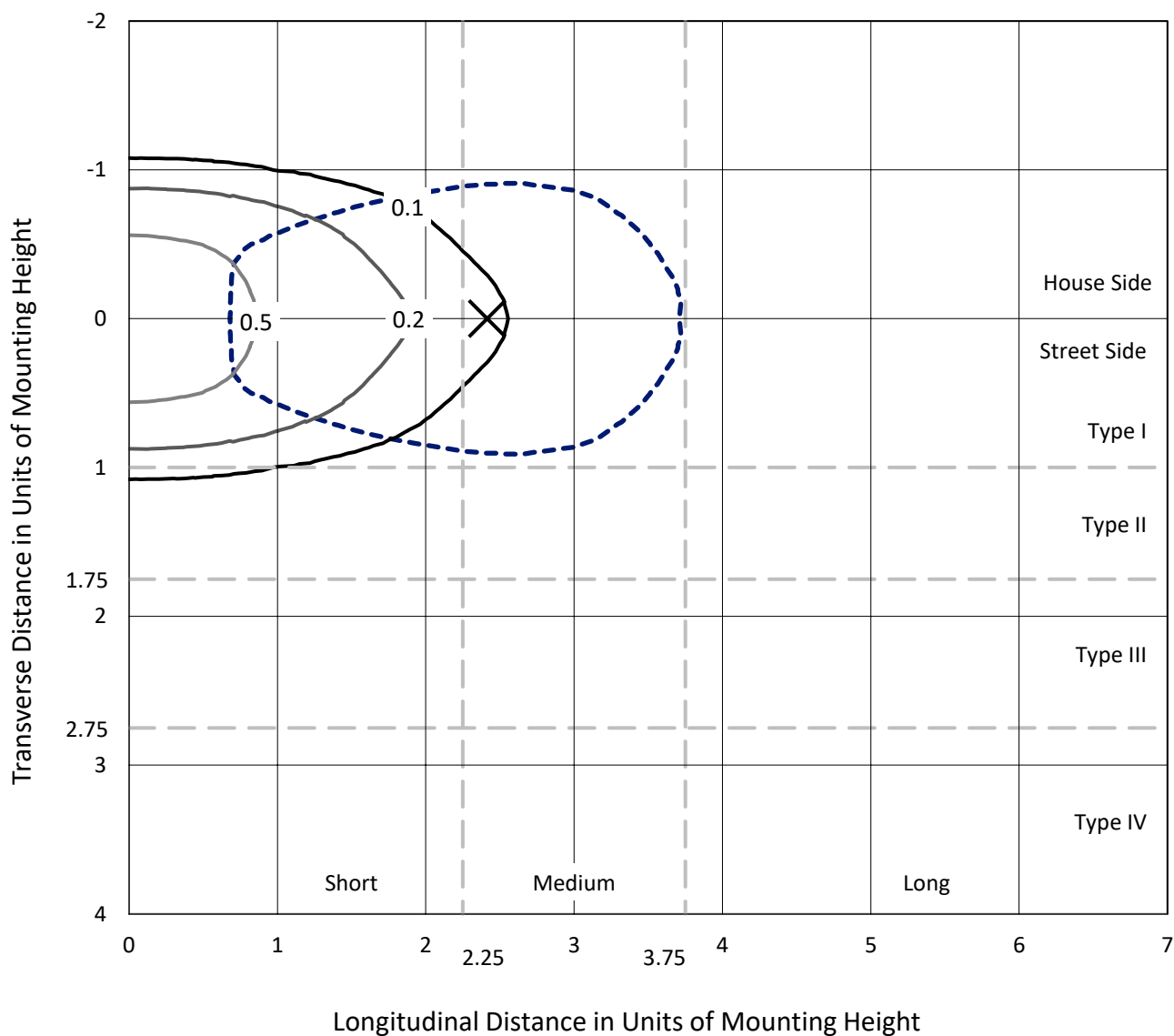
Lumens per Lamp: N/A
Luminaire Lumens: 774.3 lumens
Efficiency: N/A
Efficacy: 161.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U0 - G0

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

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Iso-Footcandle Lines of Horizontal Illumination

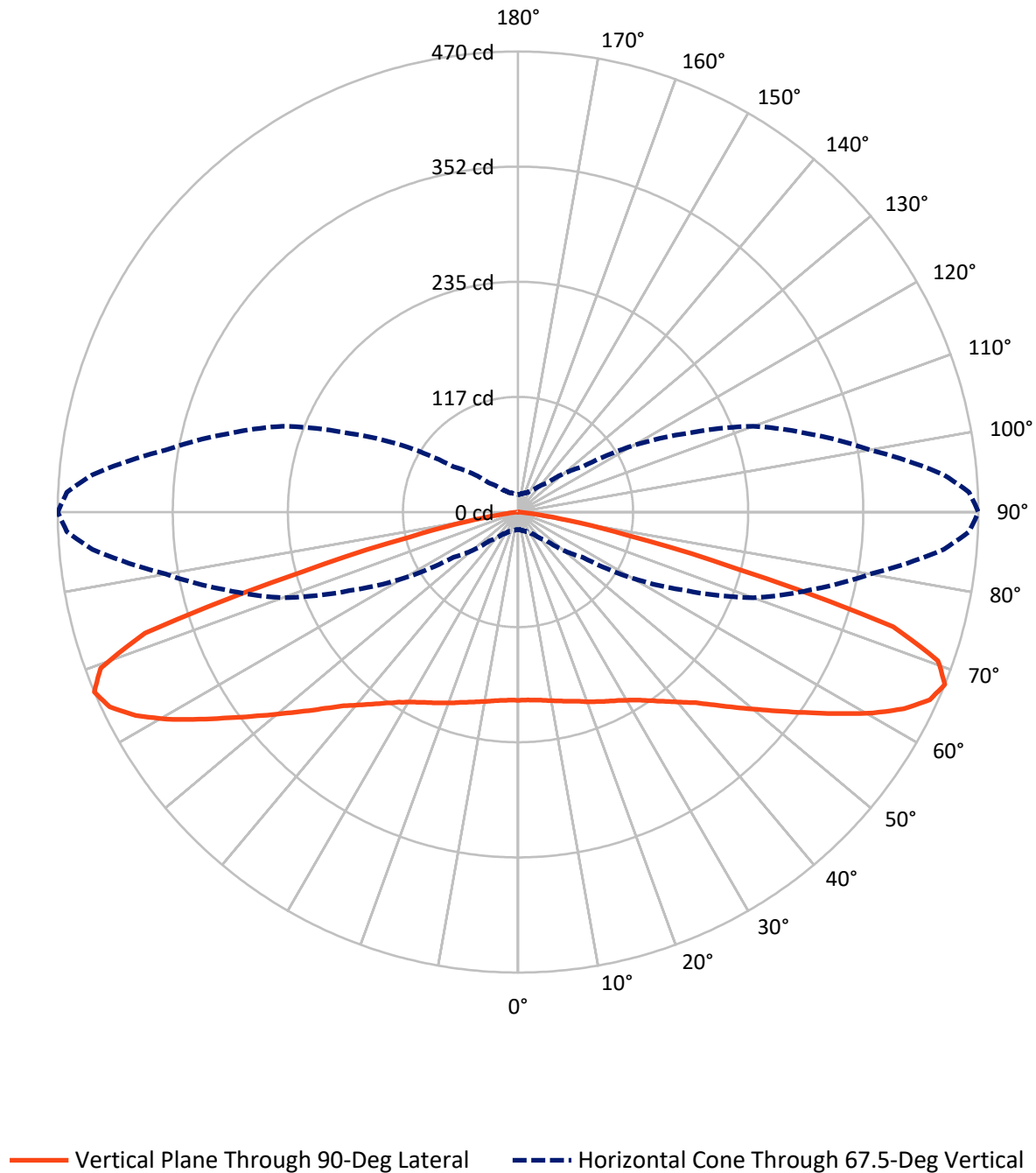
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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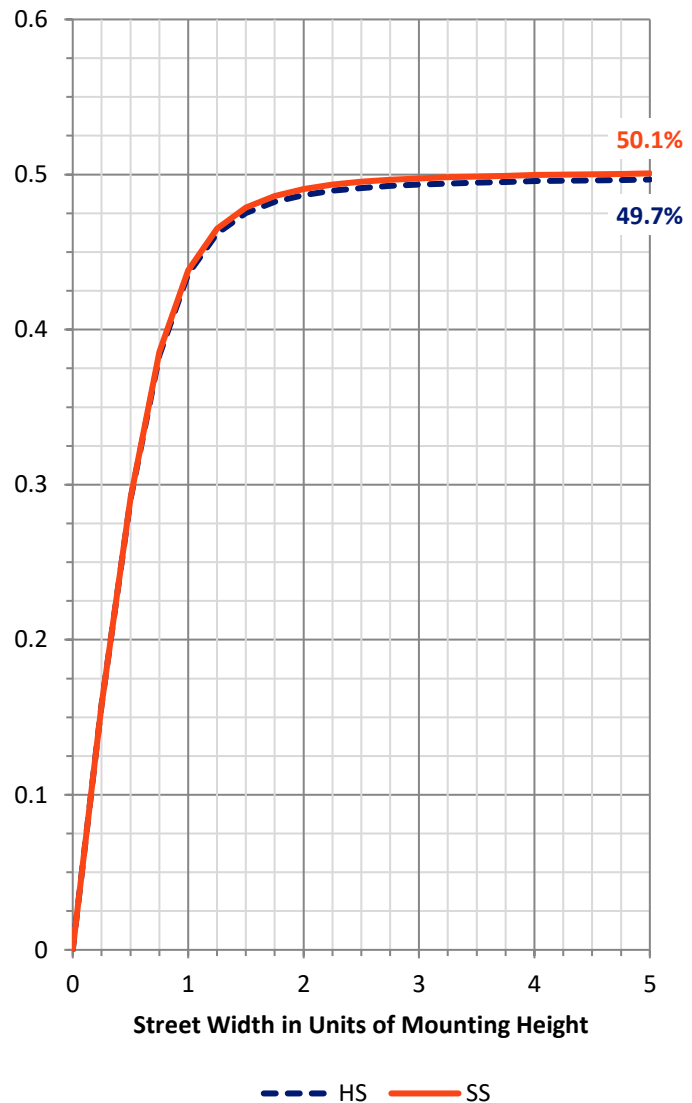
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.2	0.0	387.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	387.2	0.0	387.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	774.3	0.0	774.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	2.4
10°-20°	55.5	7.2
20°-30°	92.3	11.9
30°-40°	122.7	15.8
40°-50°	138.3	17.9
50°-60°	142.2	18.4
60°-70°	134.4	17.4
70°-80°	65.8	8.5
80°-90°	4.7	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°	774.3	100.0
0°-180°	774.3	100.0



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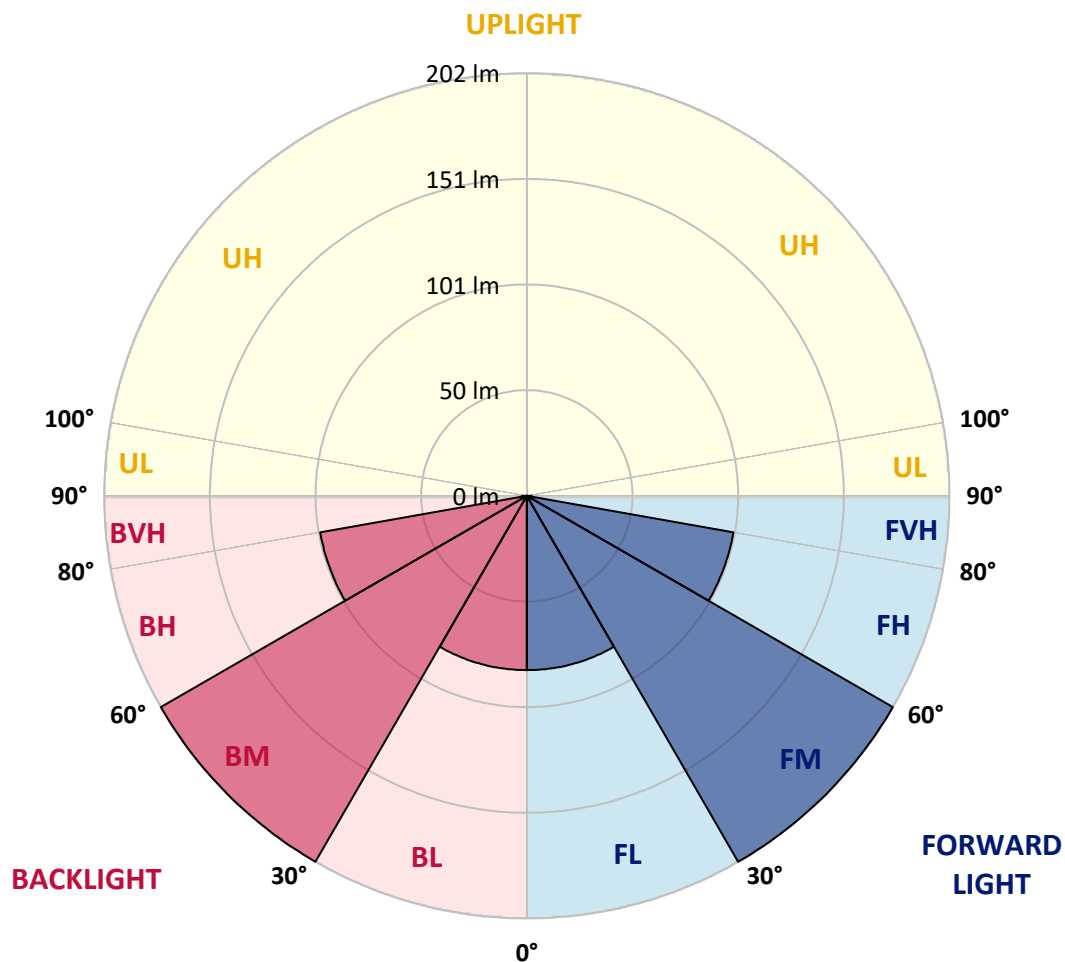
CATALOG NUMBER: GKO-PB1A-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.1	10.7			
FM	(30°-60°)	201.6	26.0			
FH	(60°-80°)	100.1	12.9			G0/660
FVH	(80°-90°)	2.4	0.3			G0/10
BL	(0°-30°)	83.1	10.7	B0/110		
BM	(30°-60°)	201.6	26.0	B0/220		
BH	(60°-80°)	100.1	12.9	B0/110		G0/110
BVH	(80°-90°)	2.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
2.5°	192.3	192.6	192.0	192.0	192.3	192.4	192.4	192.6	192.3	192.3	192.1
5°	192.3	192.4	192.1	192.1	192.4	192.9	192.7	193.0	193.0	192.9	192.9
7.5°	192.1	192.4	192.1	192.3	192.7	193.6	193.6	193.6	193.9	194.1	194.1
10°	192.0	192.3	192.4	192.6	193.1	194.4	194.7	194.9	195.3	195.7	195.7
12.5°	191.3	191.6	192.0	192.6	193.6	195.3	195.9	196.3	197.0	197.4	197.7
15°	190.3	190.4	191.4	192.6	194.1	196.3	197.4	198.1	199.1	199.7	200.1
17.5°	188.9	189.0	190.6	192.3	194.6	197.6	199.4	200.6	201.6	202.4	203.0
20°	187.0	187.4	189.3	192.0	195.3	198.9	201.6	203.6	204.6	205.4	206.3
22.5°	184.7	185.1	187.4	191.3	196.0	200.6	204.1	206.7	208.0	209.1	210.1
25°	181.3	181.9	184.6	189.6	196.3	202.4	207.0	210.3	211.4	212.8	213.7
27.5°	176.0	176.4	179.7	186.1	195.4	204.4	210.3	214.1	215.4	217.0	217.8
30°	167.7	168.6	172.6	180.6	193.3	206.0	214.1	218.0	219.6	221.1	222.3
32.5°	157.0	158.3	162.7	173.0	189.1	206.6	218.3	222.7	224.7	226.4	227.8
35°	143.8	145.0	150.3	163.3	182.6	205.4	222.4	228.1	230.5	232.8	234.5
37.5°	128.6	129.8	136.2	151.0	173.2	201.9	225.7	234.1	237.4	240.4	242.7
40°	113.3	114.6	121.6	137.5	161.7	195.0	227.1	240.7	244.8	248.7	251.5
42.5°	96.8	98.4	106.2	123.1	148.5	185.6	226.0	247.1	252.2	257.5	261.8
45°	82.1	82.4	90.9	107.2	133.9	173.4	222.0	253.2	260.2	267.7	273.8
47.5°	68.0	68.5	75.9	92.1	118.8	159.7	214.7	258.1	269.2	278.8	287.8
50°	55.4	56.1	62.8	77.2	103.6	144.8	204.8	261.0	276.9	289.9	302.5
52.5°	45.1	46.0	51.5	64.2	88.4	129.0	192.7	261.4	283.9	301.1	317.8
55°	37.5	38.1	42.4	52.5	73.7	112.8	178.9	259.2	288.5	311.1	333.3
57.5°	31.7	32.3	35.3	43.3	60.4	96.1	162.0	254.2	290.9	319.8	349.0
60°	27.6	28.0	30.1	35.8	49.7	80.4	143.9	245.4	290.2	325.2	362.0
62.5°	24.6	24.7	26.6	30.5	41.0	65.5	123.5	232.1	284.4	325.9	370.9
65°	21.8	22.0	23.1	26.0	33.7	52.7	102.2	213.8	273.2	320.9	372.2
67.5°	17.7	18.0	19.7	21.8	27.7	41.7	80.5	189.9	255.8	307.9	364.9
70°	14.1	14.3	16.0	18.4	22.6	32.8	61.8	157.6	228.5	286.8	346.0
72.5°	10.6	10.8	12.4	14.8	18.4	25.4	44.7	119.2	182.7	241.8	301.4
75°	8.4	8.6	9.1	11.4	14.3	19.3	30.1	72.2	110.1	149.6	184.7
77.5°	7.1	7.3	7.3	8.9	10.6	13.0	16.0	28.7	46.5	66.2	87.8
80°	5.9	6.1	5.6	6.6	7.6	7.6	7.4	13.7	22.0	31.1	40.8
82.5°	4.3	4.6	4.3	4.6	4.6	4.1	3.9	5.1	7.0	9.6	10.4
85°	3.0	3.1	3.4	3.1	3.0	2.4	1.9	1.4	0.9	1.0	1.4
87.5°	2.0	2.4	2.9	2.7	2.3	1.9	1.3	0.9	0.4	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	192.1	192.1	192.1
2.5°	192.3	192.1	192.0
5°	193.0	192.9	192.7
7.5°	194.0	194.0	194.0
10°	195.6	195.9	195.9
12.5°	197.6	197.9	197.9
15°	200.0	200.1	200.4
17.5°	203.0	203.1	203.1
20°	206.6	206.4	206.7
22.5°	210.1	210.1	210.1
25°	213.8	213.8	213.8
27.5°	218.1	218.1	217.8
30°	222.8	222.8	222.8
32.5°	228.5	228.7	228.8
35°	235.8	236.1	236.5
37.5°	244.1	244.8	245.2
40°	254.0	254.2	255.0
42.5°	264.9	265.8	265.9
45°	278.7	280.1	280.7
47.5°	294.8	296.8	297.8
50°	312.8	315.1	316.5
52.5°	332.3	336.0	337.8
55°	353.2	359.6	361.4
57.5°	376.7	385.4	388.0
60°	399.8	412.1	416.3
62.5°	419.5	436.8	442.0
65°	433.4	454.2	461.8
67.5°	436.3	460.9	469.9
70°	419.1	444.4	454.8
72.5°	364.4	387.3	400.3
75°	215.3	231.7	227.7
77.5°	108.1	112.8	113.5
80°	47.4	50.2	51.4
82.5°	11.7	12.0	13.6
85°	1.6	1.9	1.7
87.5°	0.6	0.6	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: SP1-2511-595-2

Test Date: 01/09/2026

Luminaire Tested: GKO-PB1C-735-U-T4W

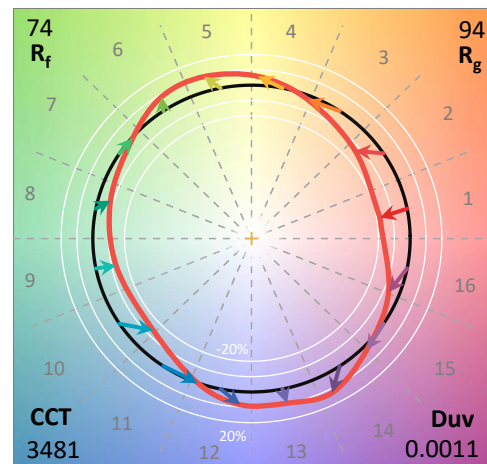
Data in this report applies to families of products including GKO-PB1C

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-595-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/09/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-735-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3481	CRI (Ra):	71.1		
CIE u':	0.2357	R1:	67.5	R9:	-37.9
CIE v':	0.5131	R2:	79.5	R10:	52.4
Duv:	0.0011	R3:	90.0	R11:	64.5
CIE x:	0.4076	R4:	69.0	R12:	43.0
CIE y:	0.3944	R5:	67.0	R13:	69.5
CIE z:	0.1981	R6:	71.2	R14:	94.3
Peak Wavelength (nm):	589	R7:	78.9	R15:	59.3
Dominant Wavelength (nm):	580	R8:	45.9		
Purity:	40.6853				
Rf:	73.8				
Rg:	93.8				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.1

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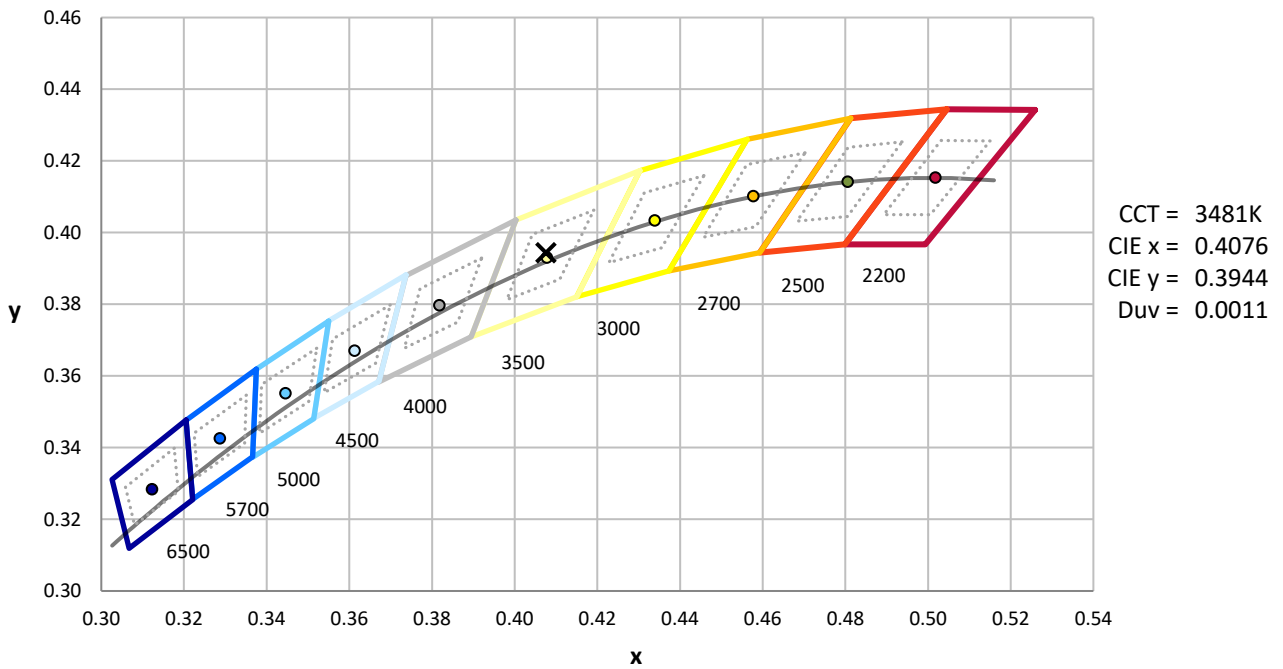
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

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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	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230	NR	630	641	NR	760	14	NR	890	0	NR
375	0	NR	505	305	NR	635	575	NR	765	12	NR	895	0	NR
380	1	NR	510	380	NR	640	513	NR	770	10	NR	900	0	NR
385	2	NR	515	453	NR	645	455	NR	775	9	NR	905	0	NR
390	3	NR	520	507	NR	650	401	NR	780	7	NR	910	0	NR
395	5	NR	525	551	NR	655	351	NR	785	6	NR	915	0	NR
400	7	NR	530	587	NR	660	305	NR	790	5	NR	920	0	NR
405	10	NR	535	620	NR	665	265	NR	795	5	NR	925	0	NR
410	15	NR	540	648	NR	670	229	NR	800	4	NR	930	0	NR
415	25	NR	545	680	NR	675	197	NR	805	4	NR	935	0	NR
420	48	NR	550	716	NR	680	169	NR	810	3	NR	940	0	NR
425	90	NR	555	757	NR	685	145	NR	815	3	NR	945	0	NR
430	161	NR	560	807	NR	690	124	NR	820	2	NR	950	0	NR
435	279	NR	565	856	NR	695	106	NR	825	2	NR	955	0	NR
440	460	NR	570	901	NR	700	90	NR	830	2	NR	960	0	NR
445	771	NR	575	942	NR	705	77	NR	835	2	NR	965	0	NR
450	915	NR	580	974	NR	710	65	NR	840	1	NR	970	0	NR
455	572	NR	585	991	NR	715	56	NR	845	1	NR	975	0	NR
460	342	NR	590	999	NR	720	48	NR	850	1	NR	980	0	NR
465	264	NR	595	992	NR	725	40	NR	855	1	NR	985	0	NR
470	169	NR	600	966	NR	730	35	NR	860	1	NR	990	0	NR
475	115	NR	605	931	NR	735	29	NR	865	1	NR	995	0	NR
480	103	NR	610	885	NR	740	25	NR	870	1	NR	1000	0	NR
485	103	NR	615	829	NR	745	21	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.36

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	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230	NR	630	641	NR	760	14	NR	890	0	NR
375	0	NR	505	305	NR	635	575	NR	765	12	NR	895	0	NR
380	1	NR	510	380	NR	640	513	NR	770	10	NR	900	0	NR
385	2	NR	515	453	NR	645	455	NR	775	9	NR	905	0	NR
390	3	NR	520	507	NR	650	401	NR	780	7	NR	910	0	NR
395	5	NR	525	551	NR	655	351	NR	785	6	NR	915	0	NR
400	7	NR	530	587	NR	660	305	NR	790	5	NR	920	0	NR
405	10	NR	535	620	NR	665	265	NR	795	5	NR	925	0	NR
410	15	NR	540	648	NR	670	229	NR	800	4	NR	930	0	NR
415	25	NR	545	680	NR	675	197	NR	805	4	NR	935	0	NR
420	48	NR	550	716	NR	680	169	NR	810	3	NR	940	0	NR
425	90	NR	555	757	NR	685	145	NR	815	3	NR	945	0	NR
430	161	NR	560	807	NR	690	124	NR	820	2	NR	950	0	NR
435	279	NR	565	856	NR	695	106	NR	825	2	NR	955	0	NR
440	460	NR	570	901	NR	700	90	NR	830	2	NR	960	0	NR
445	771	NR	575	942	NR	705	77	NR	835	2	NR	965	0	NR
450	915	NR	580	974	NR	710	65	NR	840	1	NR	970	0	NR
455	572	NR	585	991	NR	715	56	NR	845	1	NR	975	0	NR
460	342	NR	590	999	NR	720	48	NR	850	1	NR	980	0	NR
465	264	NR	595	992	NR	725	40	NR	855	1	NR	985	0	NR
470	169	NR	600	966	NR	730	35	NR	860	1	NR	990	0	NR
475	115	NR	605	931	NR	735	29	NR	865	1	NR	995	0	NR
480	103	NR	610	885	NR	740	25	NR	870	1	NR	1000	0	NR
485	103	NR	615	829	NR	745	21	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.56

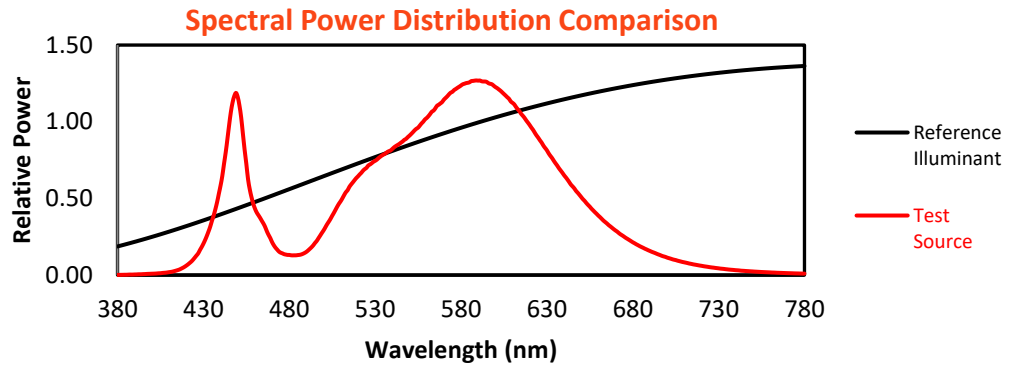
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230	NR	630	641	NR	760	14	NR	890	0	NR
375	0	NR	505	305	NR	635	575	NR	765	12	NR	895	0	NR
380	1	NR	510	380	NR	640	513	NR	770	10	NR	900	0	NR
385	2	NR	515	453	NR	645	455	NR	775	9	NR	905	0	NR
390	3	NR	520	507	NR	650	401	NR	780	7	NR	910	0	NR
395	5	NR	525	551	NR	655	351	NR	785	6	NR	915	0	NR
400	7	NR	530	587	NR	660	305	NR	790	5	NR	920	0	NR
405	10	NR	535	620	NR	665	265	NR	795	5	NR	925	0	NR
410	15	NR	540	648	NR	670	229	NR	800	4	NR	930	0	NR
415	25	NR	545	680	NR	675	197	NR	805	4	NR	935	0	NR
420	48	NR	550	716	NR	680	169	NR	810	3	NR	940	0	NR
425	90	NR	555	757	NR	685	145	NR	815	3	NR	945	0	NR
430	161	NR	560	807	NR	690	124	NR	820	2	NR	950	0	NR
435	279	NR	565	856	NR	695	106	NR	825	2	NR	955	0	NR
440	460	NR	570	901	NR	700	90	NR	830	2	NR	960	0	NR
445	771	NR	575	942	NR	705	77	NR	835	2	NR	965	0	NR
450	915	NR	580	974	NR	710	65	NR	840	1	NR	970	0	NR
455	572	NR	585	991	NR	715	56	NR	845	1	NR	975	0	NR
460	342	NR	590	999	NR	720	48	NR	850	1	NR	980	0	NR
465	264	NR	595	992	NR	725	40	NR	855	1	NR	985	0	NR
470	169	NR	600	966	NR	730	35	NR	860	1	NR	990	0	NR
475	115	NR	605	931	NR	735	29	NR	865	1	NR	995	0	NR
480	103	NR	610	885	NR	740	25	NR	870	1	NR	1000	0	NR
485	103	NR	615	829	NR	745	21	NR	875	1	NR			

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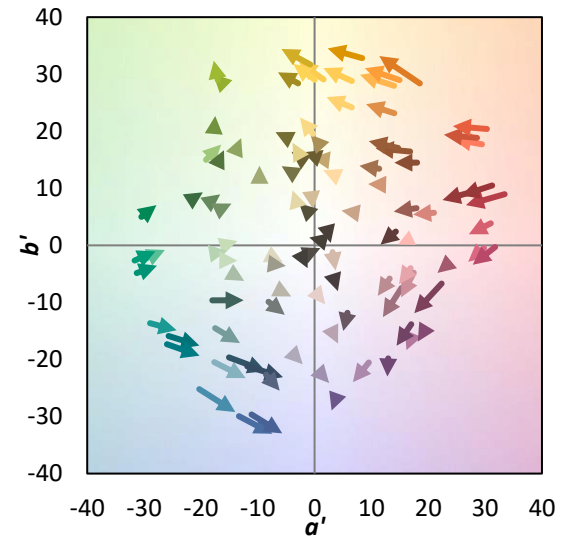
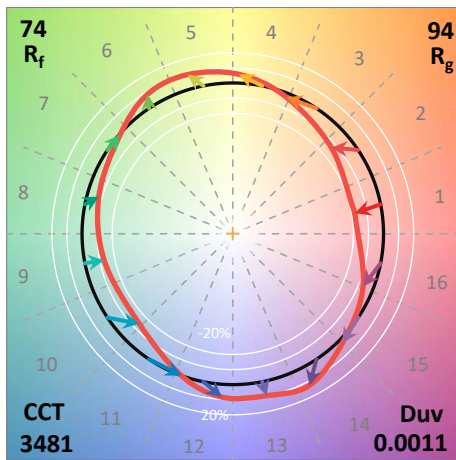
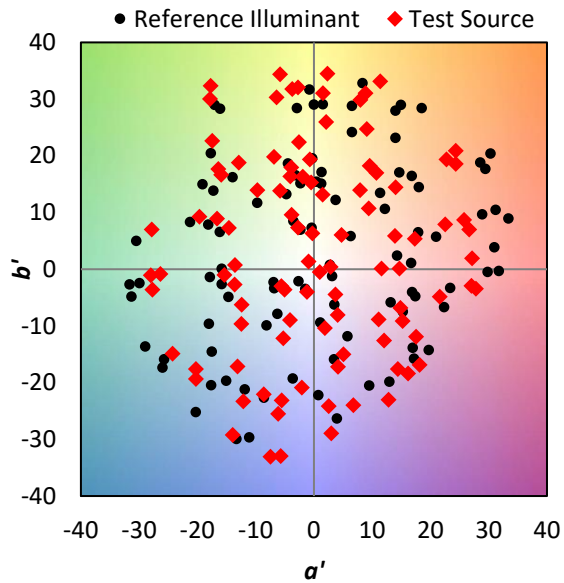
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 93.8$
 $CIE R_a = 71.1$
 $R_g = -37.9$



Color Vector Graphics

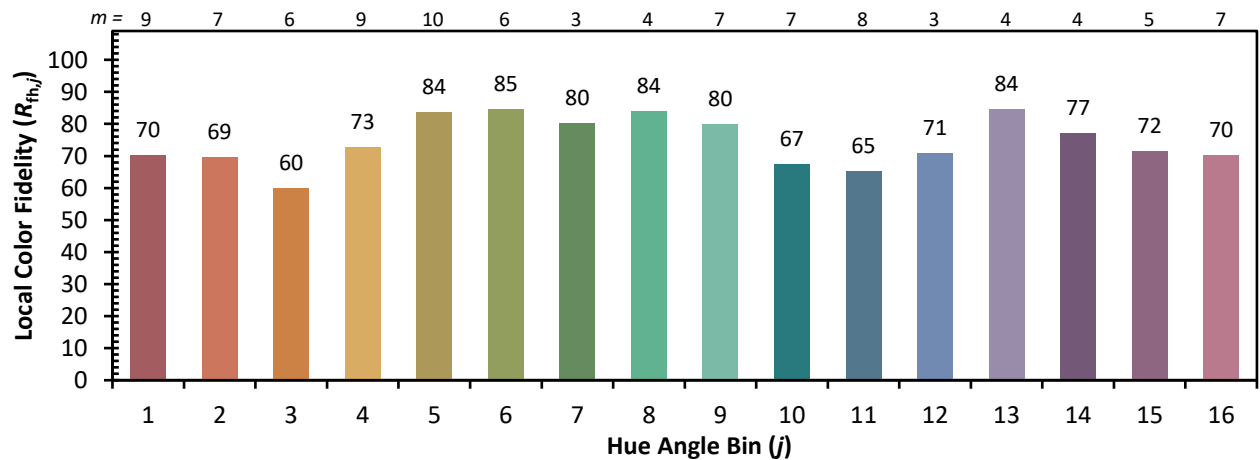
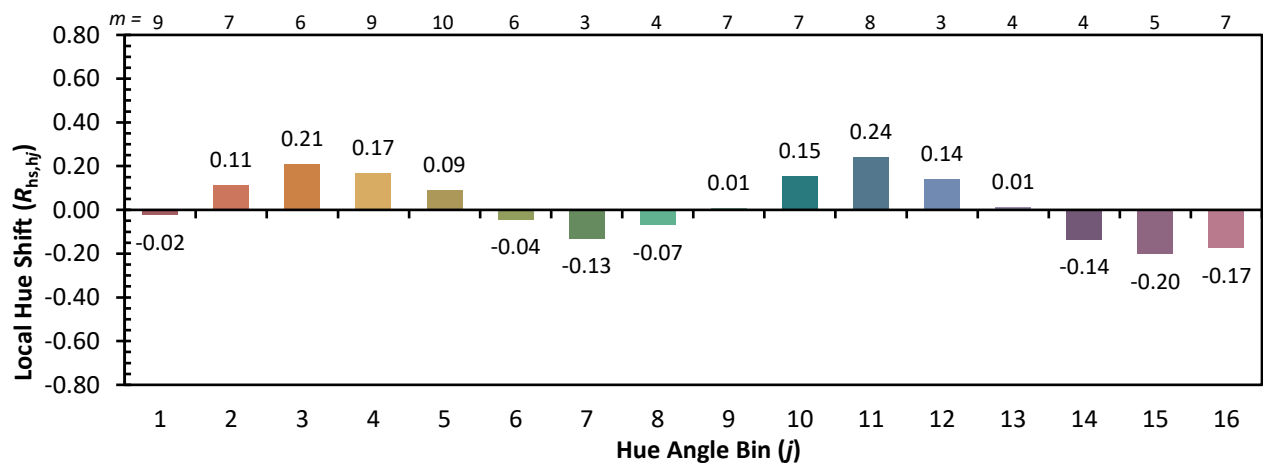
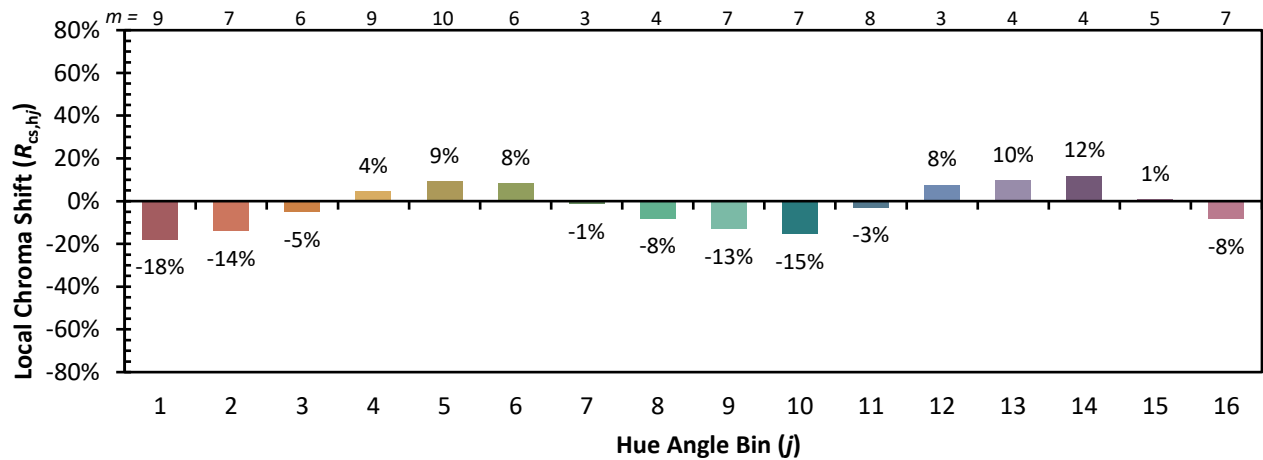


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 63	CES51 = 88	CES76 = 53
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 73
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 56
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 83
CES05 = 48	CES30 = 79	CES55 = 83	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 73	CES81 = 76
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 92
CES08 = 39	CES33 = 75	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 87
CES10 = 75	CES35 = 85	CES60 = 90	CES85 = 77
CES11 = 58	CES36 = 93	CES61 = 82	CES86 = 68
CES12 = 64	CES37 = 81	CES62 = 88	CES87 = 77
CES13 = 42	CES38 = 89	CES63 = 73	CES88 = 79
CES14 = 74	CES39 = 96	CES64 = 66	CES89 = 68
CES15 = 71	CES40 = 91	CES65 = 63	CES90 = 79
CES16 = 47	CES41 = 92	CES66 = 60	CES91 = 78
CES17 = 50	CES42 = 83	CES67 = 57	CES92 = 57
CES18 = 56	CES43 = 77	CES68 = 65	CES93 = 74
CES19 = 72	CES44 = 99	CES69 = 75	CES94 = 50
CES20 = 65	CES45 = 85	CES70 = 58	CES95 = 66
CES21 = 87	CES46 = 81	CES71 = 53	CES96 = 76
CES22 = 79	CES47 = 84	CES72 = 84	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 49	CES98 = 75
CES24 = 91	CES49 = 79	CES74 = 96	CES99 = 63
CES25 = 72	CES50 = 87	CES75 = 55	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)