

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: P1212005

Luminaire Tested: **GKO-PB1B-735-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212005
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1B-735-U-T1
Description: GEKKO WALL PACK 1500LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

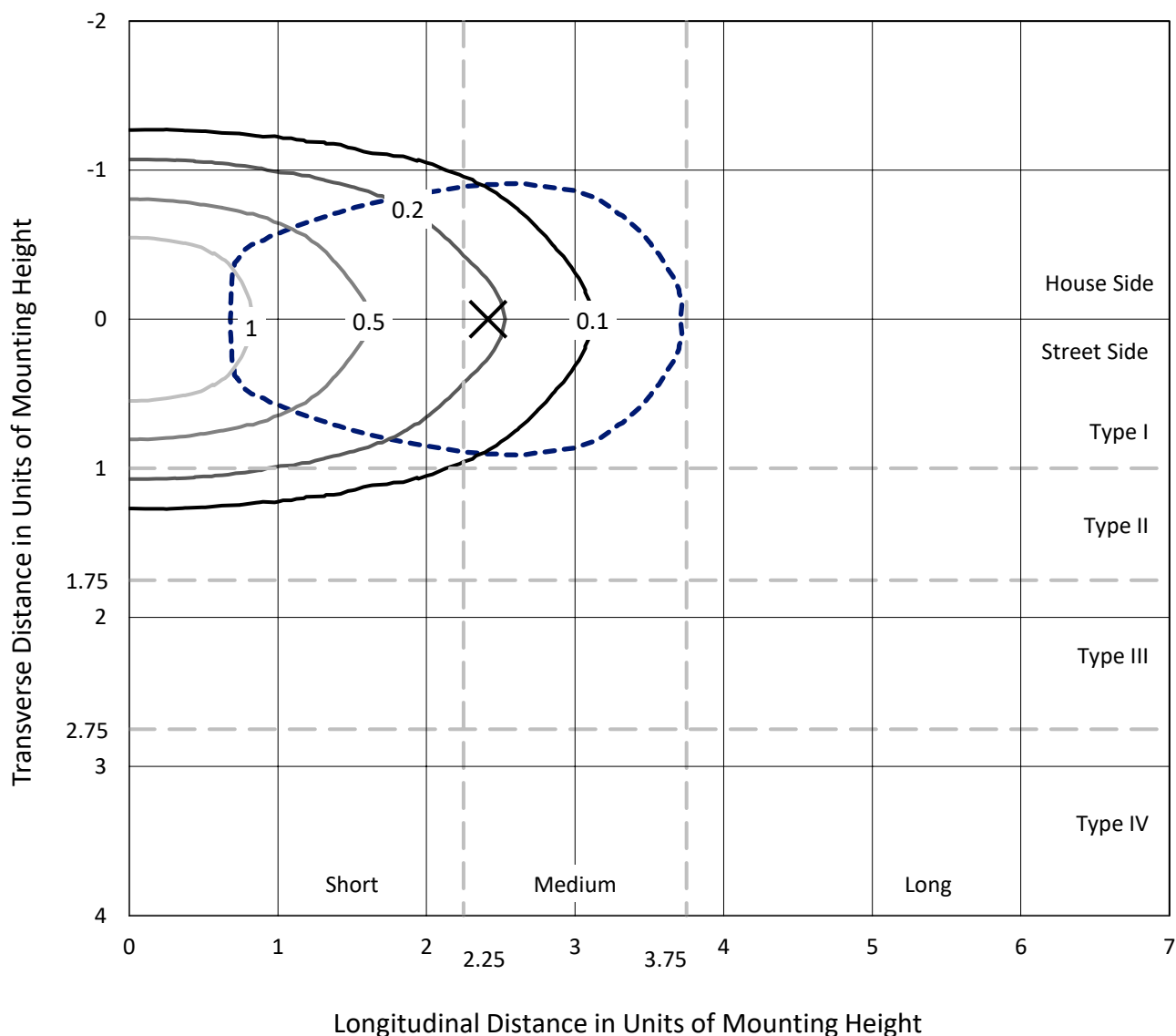
Lumens per Lamp: N/A
Luminaire Lumens: 1507.3 lumens
Efficiency: N/A
Efficacy: 162.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 9.3
Input Voltage (V): 120
Input Current (A_{in}): 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: P1212005
 CATALOG NUMBER: GKO-PB1B-735-U-T1

Iso-Footcandle Lines of Horizontal Illumination

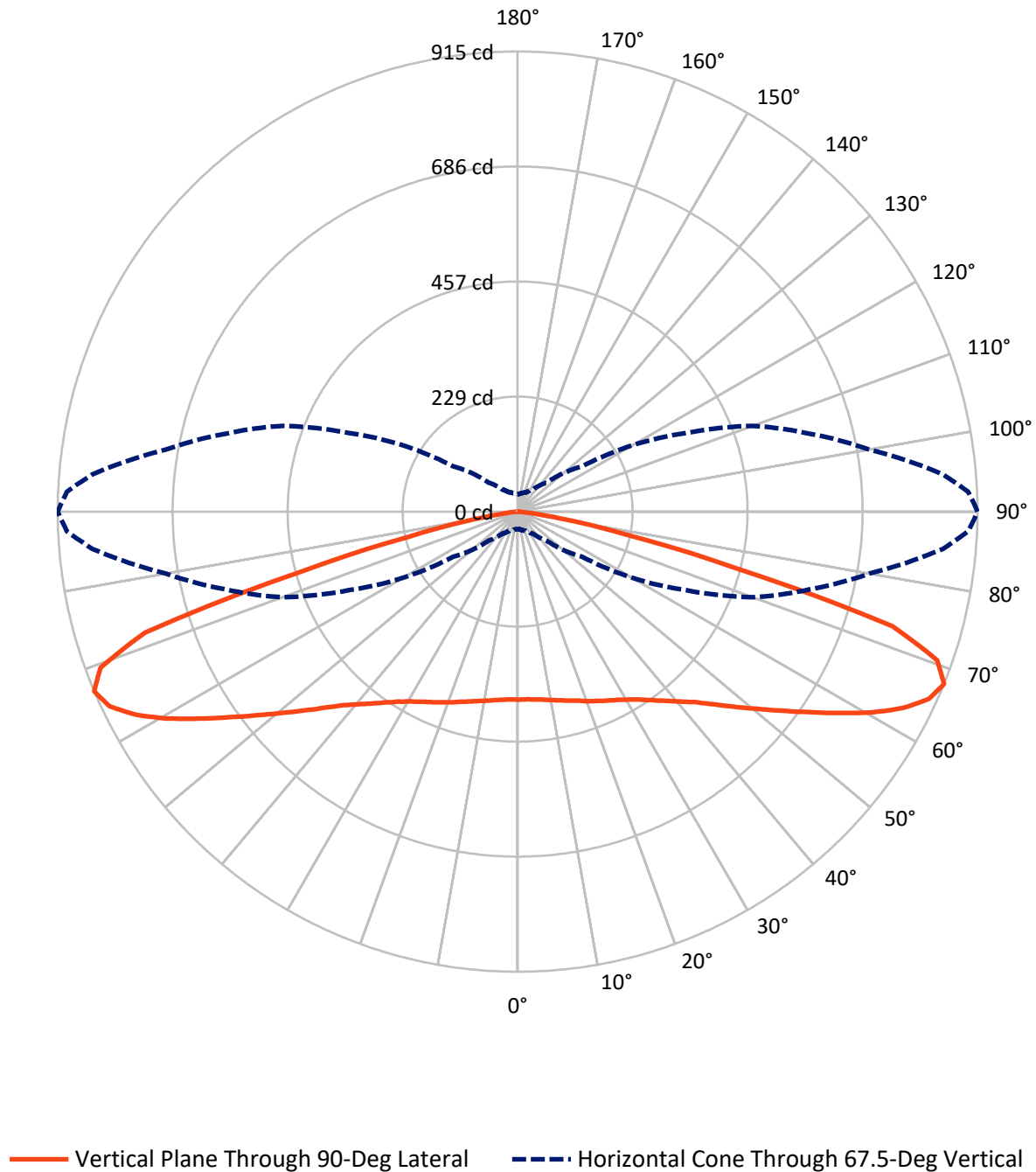
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type I - Short - N/A

REPORT NUMBER: P1212005
CATALOG NUMBER: GKO-PB1B-735-U-T1

Luminous Intensity Polar Plot



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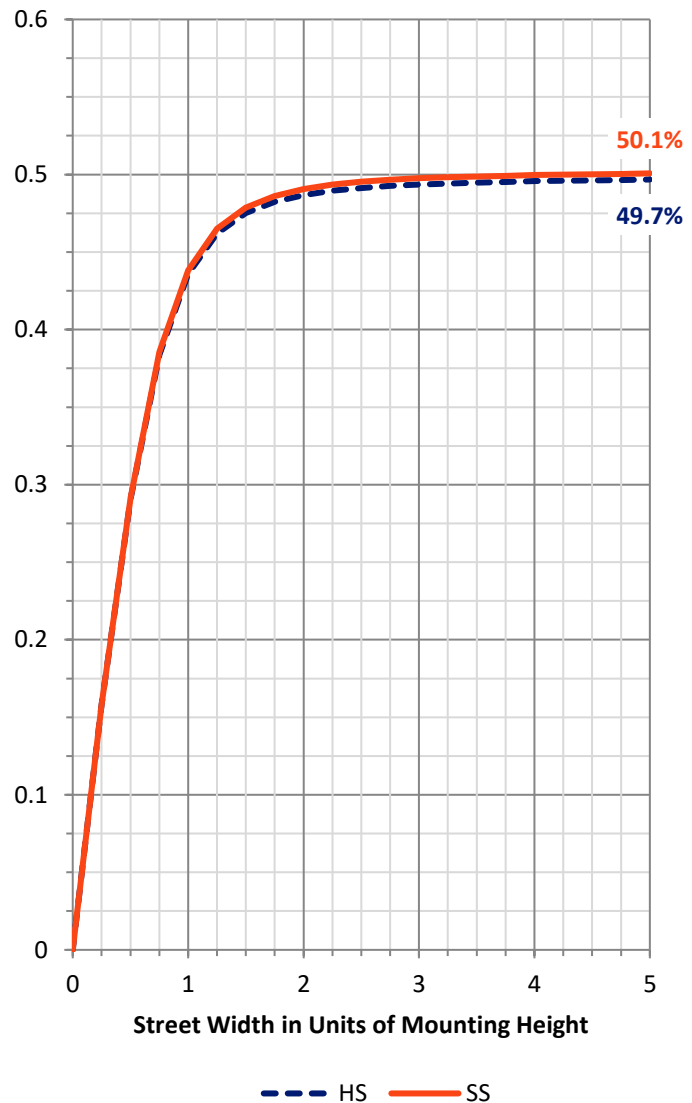
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	753.6	0.0	753.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	753.6	0.0	753.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1507.3	0.0	1507.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	2.4
10°-20°	108.1	7.2
20°-30°	179.7	11.9
30°-40°	238.8	15.8
40°-50°	269.2	17.9
50°-60°	276.8	18.4
60°-70°	261.6	17.4
70°-80°	128.1	8.5
80°-90°	9.2	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°	1507.3	100.0
0°-180°	1507.3	100.0



REPORT NUMBER: P1212005

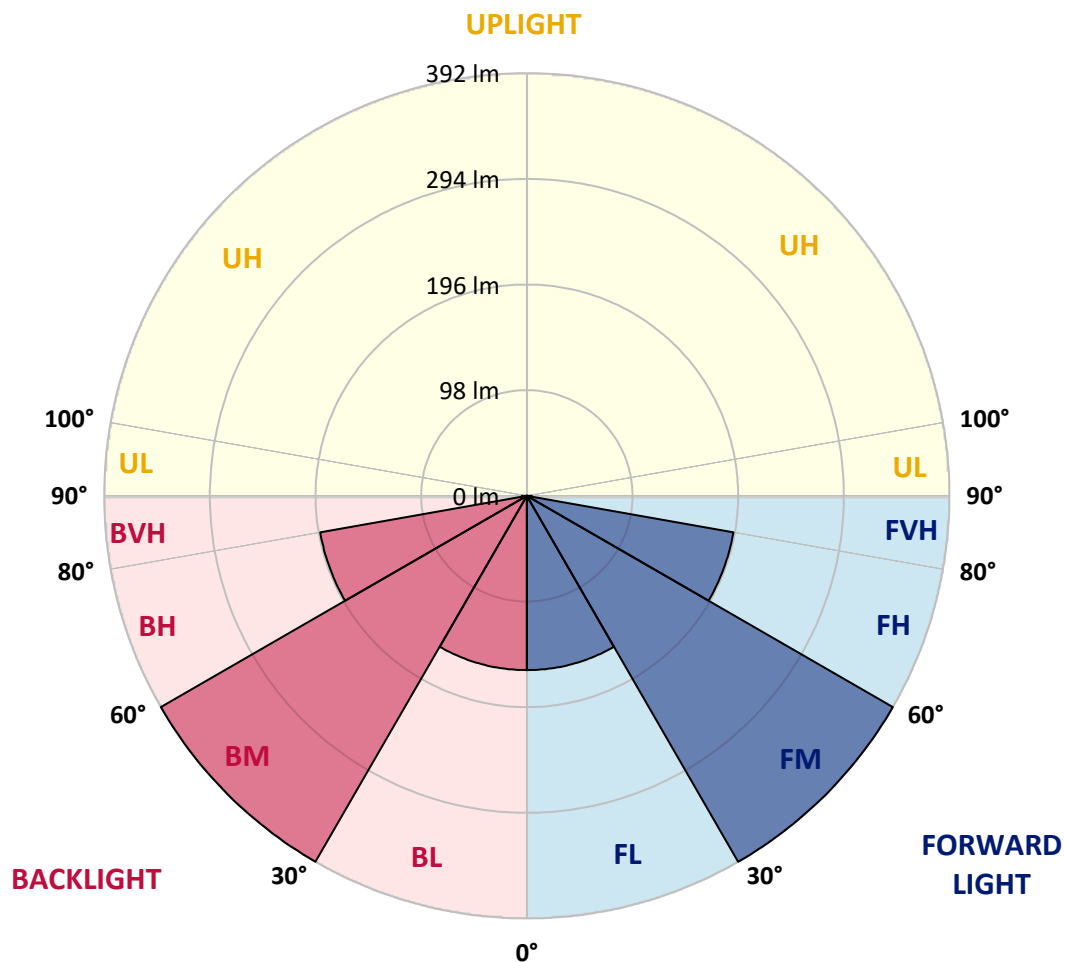
CATALOG NUMBER: GKO-PB1B-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.9	10.7			
FM	(30°-60°)	392.4	26.0			
FH	(60°-80°)	194.8	12.9			G0/660
FVH	(80°-90°)	4.6	0.3			G0/10
BL	(0°-30°)	161.9	10.7	B1/500		
BM	(30°-60°)	392.4	26.0	B1/1000		
BH	(60°-80°)	194.8	12.9	B1/500		G1/500
BVH	(80°-90°)	4.6	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: P1212005

CATALOG NUMBER: GKO-PB1B-735-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0	374.0
2.5°	374.3	374.9	373.7	373.7	374.3	374.6	374.6	374.9	374.3	374.3	374.0
5°	374.3	374.6	374.0	374.0	374.6	375.4	375.1	375.7	375.7	375.4	375.4
7.5°	374.0	374.6	374.0	374.3	375.1	376.8	376.8	376.8	377.4	377.9	377.9
10°	373.7	374.3	374.6	374.9	376.0	378.5	379.0	379.3	380.1	381.0	381.0
12.5°	372.4	372.9	373.7	374.9	376.8	380.1	381.2	382.1	383.5	384.3	384.9
15°	370.4	370.7	372.6	374.9	377.9	382.1	384.3	385.7	387.6	388.8	389.6
17.5°	367.6	367.9	371.0	374.3	378.7	384.6	388.2	390.4	392.4	394.0	395.1
20°	364.0	364.9	368.5	373.7	380.1	387.1	392.4	396.3	398.2	399.9	401.5
22.5°	359.6	360.4	364.9	372.4	381.5	390.4	397.4	402.4	404.9	407.1	409.0
25°	352.9	354.0	359.3	369.0	382.1	394.0	402.9	409.3	411.5	414.3	416.0
27.5°	342.6	343.5	349.8	362.4	380.4	397.9	409.3	416.8	419.3	422.4	424.0
30°	326.5	328.2	336.0	351.5	376.2	401.0	416.8	424.3	427.4	430.4	432.7
32.5°	305.7	308.2	316.8	336.8	368.2	402.1	424.9	433.5	437.4	440.7	443.5
35°	279.8	282.3	292.6	317.9	355.4	399.9	432.9	444.0	448.8	453.2	456.6
37.5°	250.4	252.6	265.1	294.0	337.1	392.9	439.3	455.7	462.1	467.9	472.4
40°	220.6	223.1	236.8	267.6	314.8	379.6	442.1	468.5	476.6	484.1	489.6
42.5°	188.4	191.5	206.7	239.5	289.0	361.2	439.9	481.0	491.0	501.3	509.6
45°	159.8	160.3	177.0	208.7	260.6	337.6	432.1	493.0	506.6	521.0	533.0
47.5°	132.3	133.4	147.8	179.2	231.2	310.9	417.9	502.4	524.1	542.7	560.2
50°	107.8	109.2	122.3	150.3	201.7	281.8	398.8	508.0	539.1	564.4	588.8
52.5°	87.8	89.5	100.3	125.0	172.0	251.2	375.1	508.8	552.7	586.0	618.6
55°	73.1	74.2	82.5	102.3	143.4	219.5	348.2	504.6	561.6	605.5	648.8
57.5°	61.7	62.8	68.6	84.2	117.5	187.0	315.4	494.9	566.3	622.4	679.4
60°	53.6	54.5	58.6	69.7	96.7	156.4	280.1	477.7	564.9	633.0	704.7
62.5°	47.8	48.1	51.7	59.5	79.8	127.5	240.4	451.8	553.5	634.4	721.9
65°	42.5	42.8	45.0	50.6	65.6	102.5	199.0	416.3	531.9	624.7	724.4
67.5°	34.5	35.0	38.3	42.5	53.9	81.1	156.7	369.6	498.0	599.4	710.3
70°	27.5	27.8	31.1	35.8	43.9	63.9	120.3	306.8	444.9	558.3	673.6
72.5°	20.6	21.1	24.2	28.9	35.8	49.5	87.0	232.0	355.7	470.7	586.6
75°	16.4	16.7	17.8	22.2	27.8	37.5	58.6	140.6	214.2	291.2	359.6
77.5°	13.9	14.2	14.2	17.2	20.6	25.3	31.1	55.9	90.6	128.9	170.9
80°	11.4	11.9	10.8	12.8	14.7	14.7	14.4	26.7	42.8	60.6	79.5
82.5°	8.3	8.9	8.3	8.9	8.9	8.1	7.5	10.0	13.6	18.6	20.3
85°	5.8	6.1	6.7	6.1	5.8	4.7	3.6	2.8	1.7	1.9	2.8
87.5°	3.9	4.7	5.6	5.3	4.4	3.6	2.5	1.7	0.8	1.1	1.1
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: P1212005
 CATALOG NUMBER: GKO-PB1B-735-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	374.0	374.0	374.0
2.5°	374.3	374.0	373.7
5°	375.7	375.4	375.1
7.5°	377.6	377.6	377.6
10°	380.7	381.2	381.2
12.5°	384.6	385.1	385.1
15°	389.3	389.6	390.1
17.5°	395.1	395.4	395.4
20°	402.1	401.8	402.4
22.5°	409.0	409.0	409.0
25°	416.3	416.3	416.3
27.5°	424.6	424.6	424.0
30°	433.8	433.8	433.8
32.5°	444.9	445.2	445.4
35°	459.1	459.6	460.4
37.5°	475.2	476.6	477.4
40°	494.3	494.9	496.3
42.5°	515.7	517.4	517.7
45°	542.4	545.2	546.3
47.5°	573.8	577.7	579.7
50°	608.8	613.3	616.1
52.5°	646.9	654.1	657.5
55°	687.5	700.0	703.6
57.5°	733.3	750.3	755.3
60°	778.3	802.2	810.3
62.5°	816.7	850.3	860.3
65°	843.6	884.2	898.9
67.5°	849.2	897.3	914.8
70°	815.8	865.0	885.3
72.5°	709.4	753.9	779.2
75°	419.0	451.0	443.2
77.5°	210.4	219.5	220.9
80°	92.3	97.8	100.0
82.5°	22.8	23.3	26.4
85°	3.1	3.6	3.3
87.5°	1.1	1.1	1.4
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

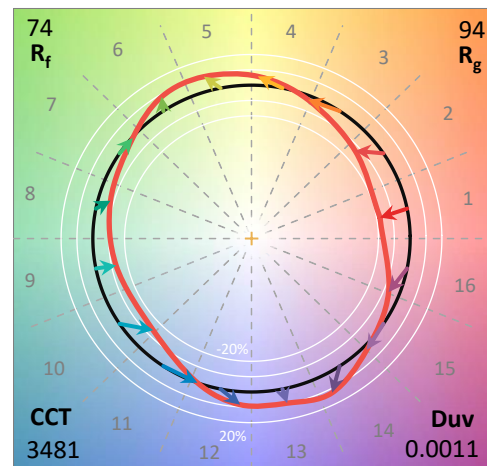
Data in this report applies to families of products including GKO-PB1C

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

REPORT NUMBER: SP1-2511-595-2

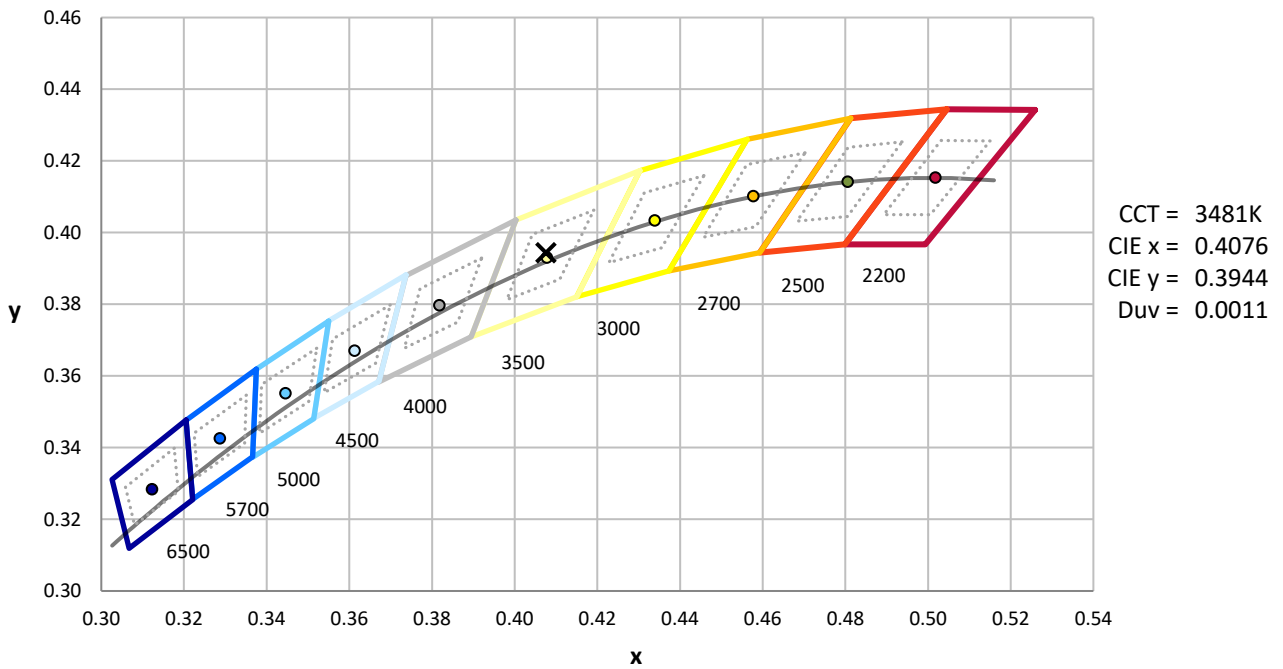
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

REPORT NUMBER: SP1-2511-595-2

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

REPORT NUMBER: SP1-2511-595-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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			

REPORT NUMBER: SP1-2511-595-2

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			

REPORT NUMBER: SP1-2511-595-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.56

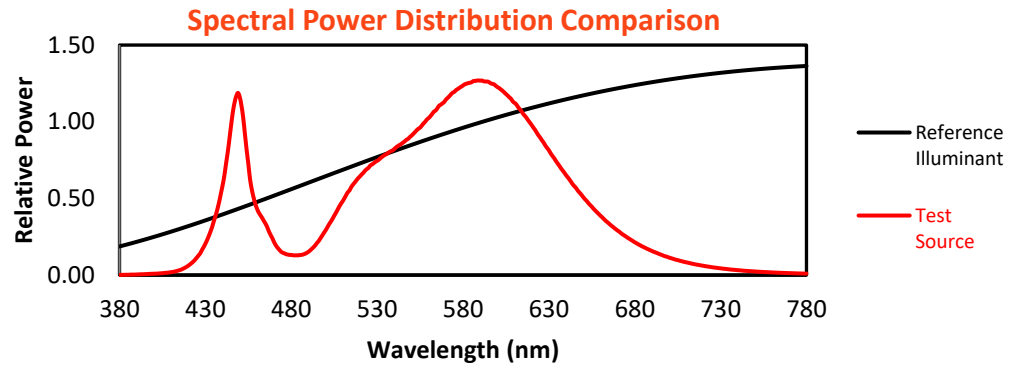
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230	NR	630	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			

REPORT NUMBER: SP1-2511-595-2

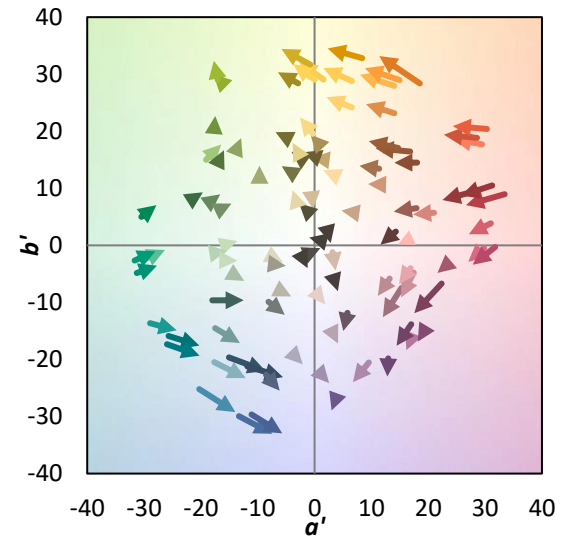
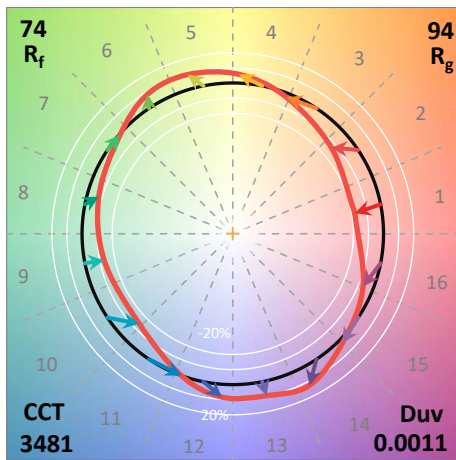
TM-30-18

Summary

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



Color Vector Graphics

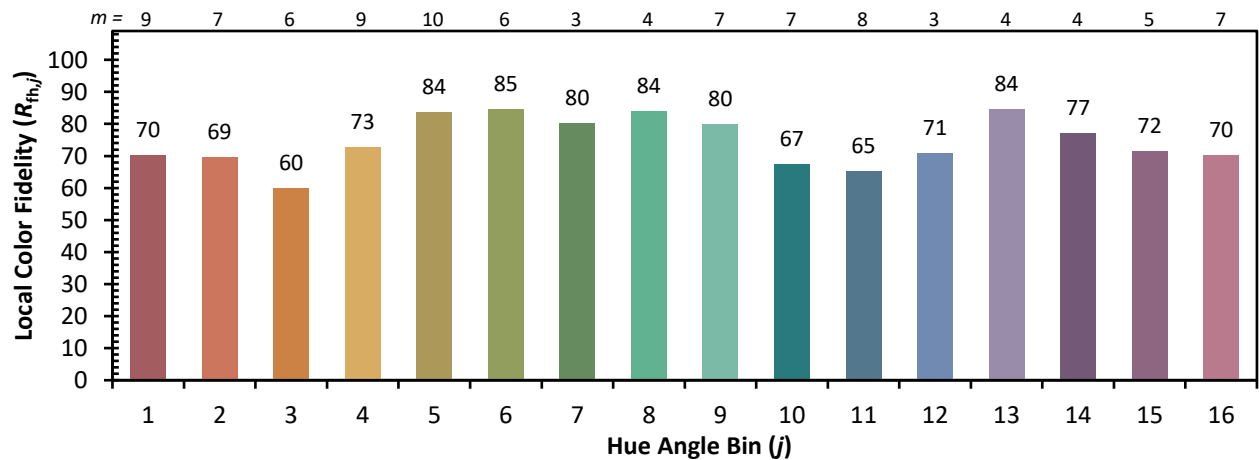
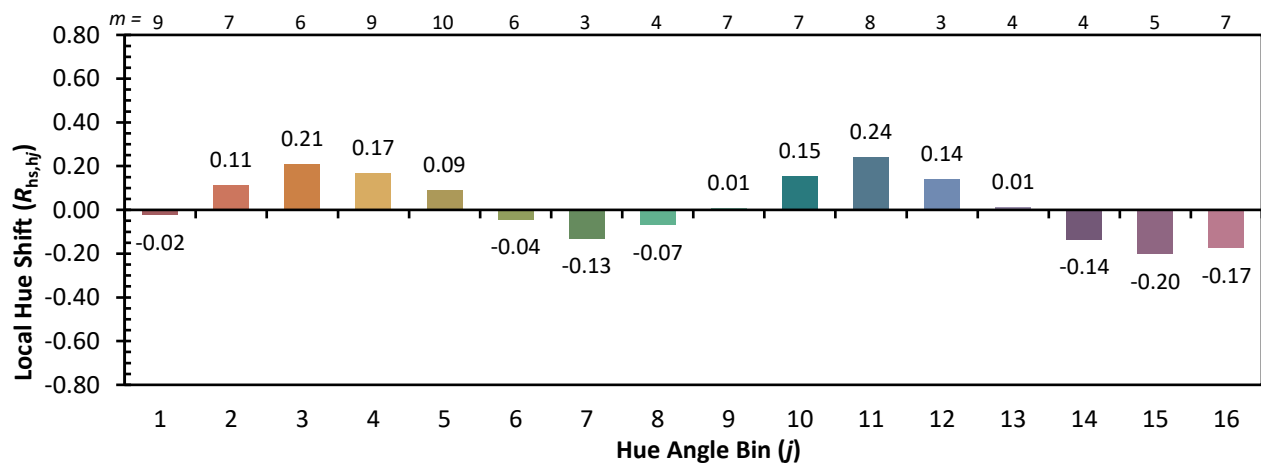
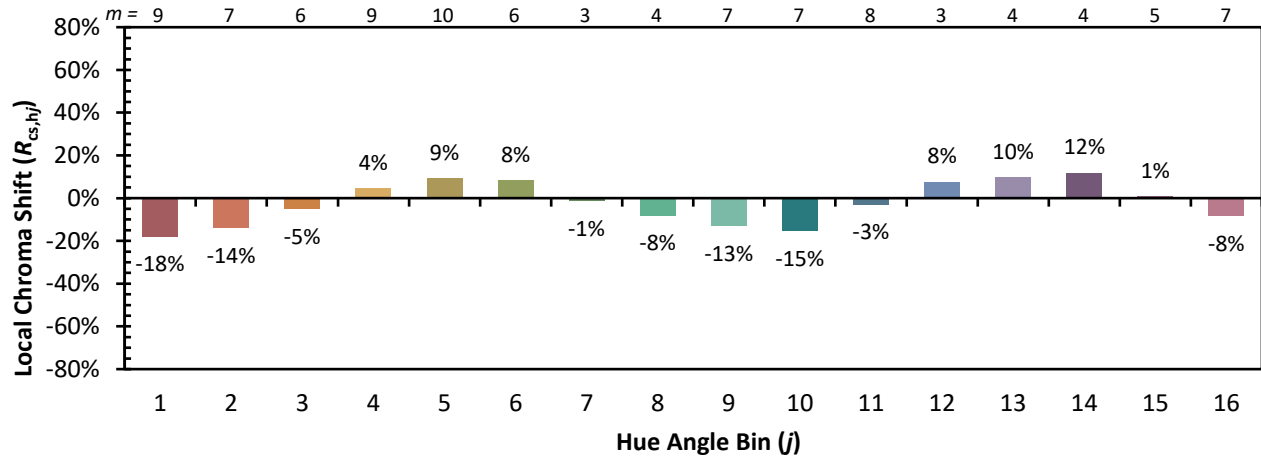


Individual Sample Fidelity Index ($R_{f,i}$)

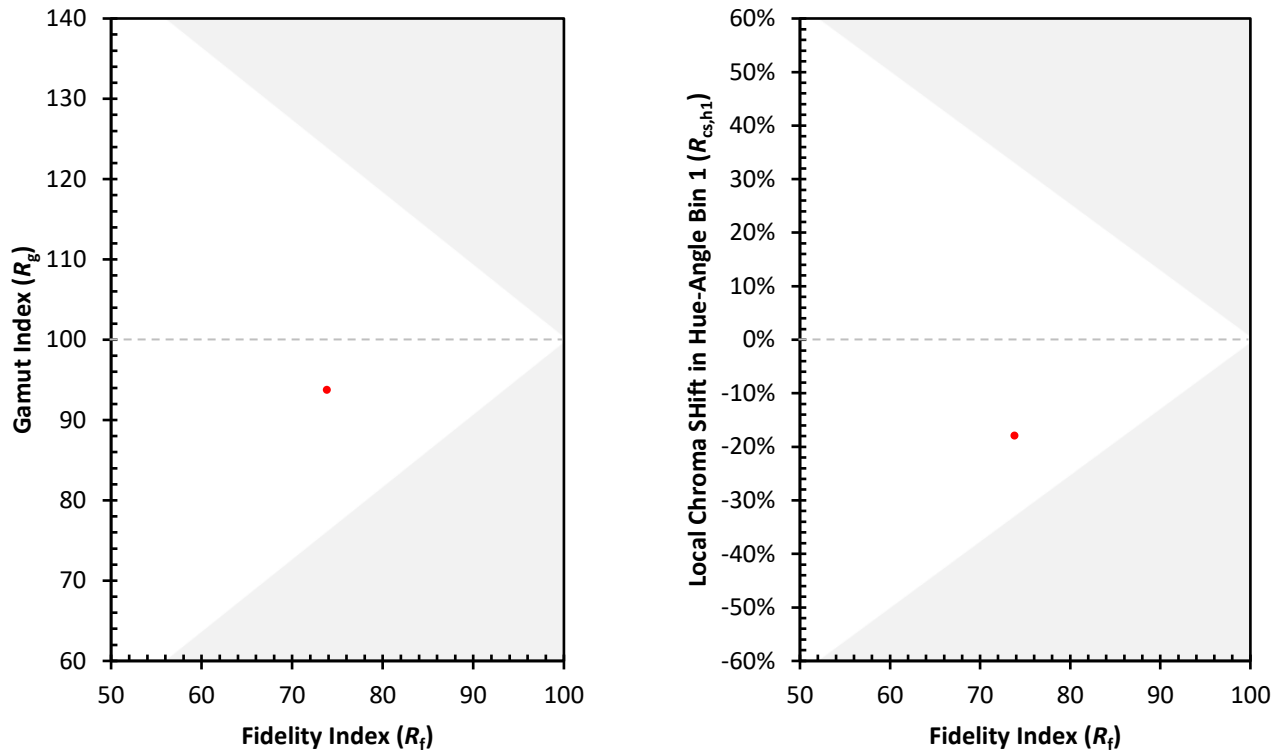
CES01 = 86	CES26 = 63	CES51 = 88	CES76 = 53
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 73
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 56
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 83
CES05 = 48	CES30 = 79	CES55 = 83	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 73	CES81 = 76
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 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)