

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: P1212004

Luminaire Tested: **GKO-PB1C-735-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212004
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-735-U-T1
Description: GEKKO WALL PACK 2500LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

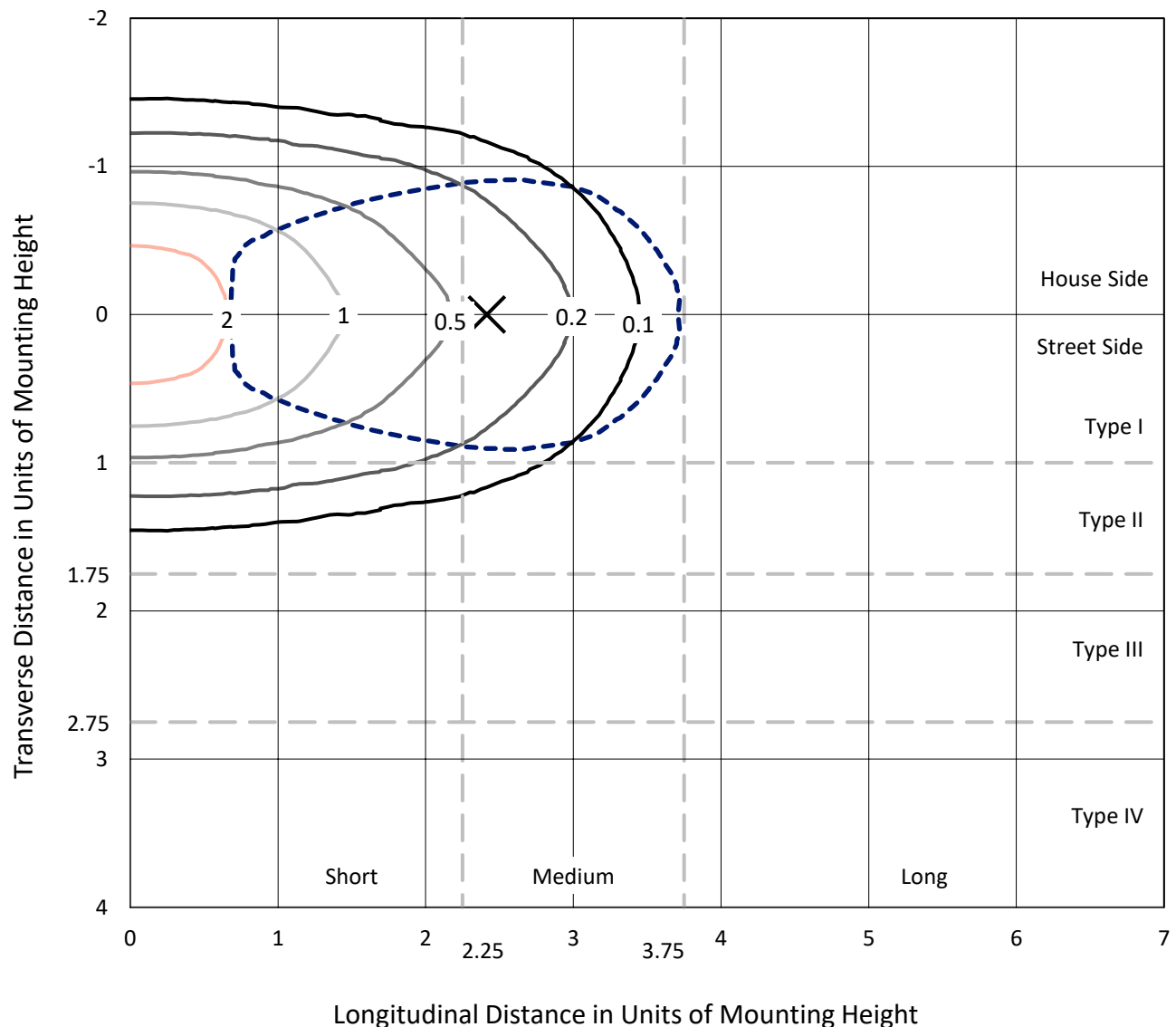
Lumens per Lamp: N/A
Luminaire Lumens: 2587.4 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 13%
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

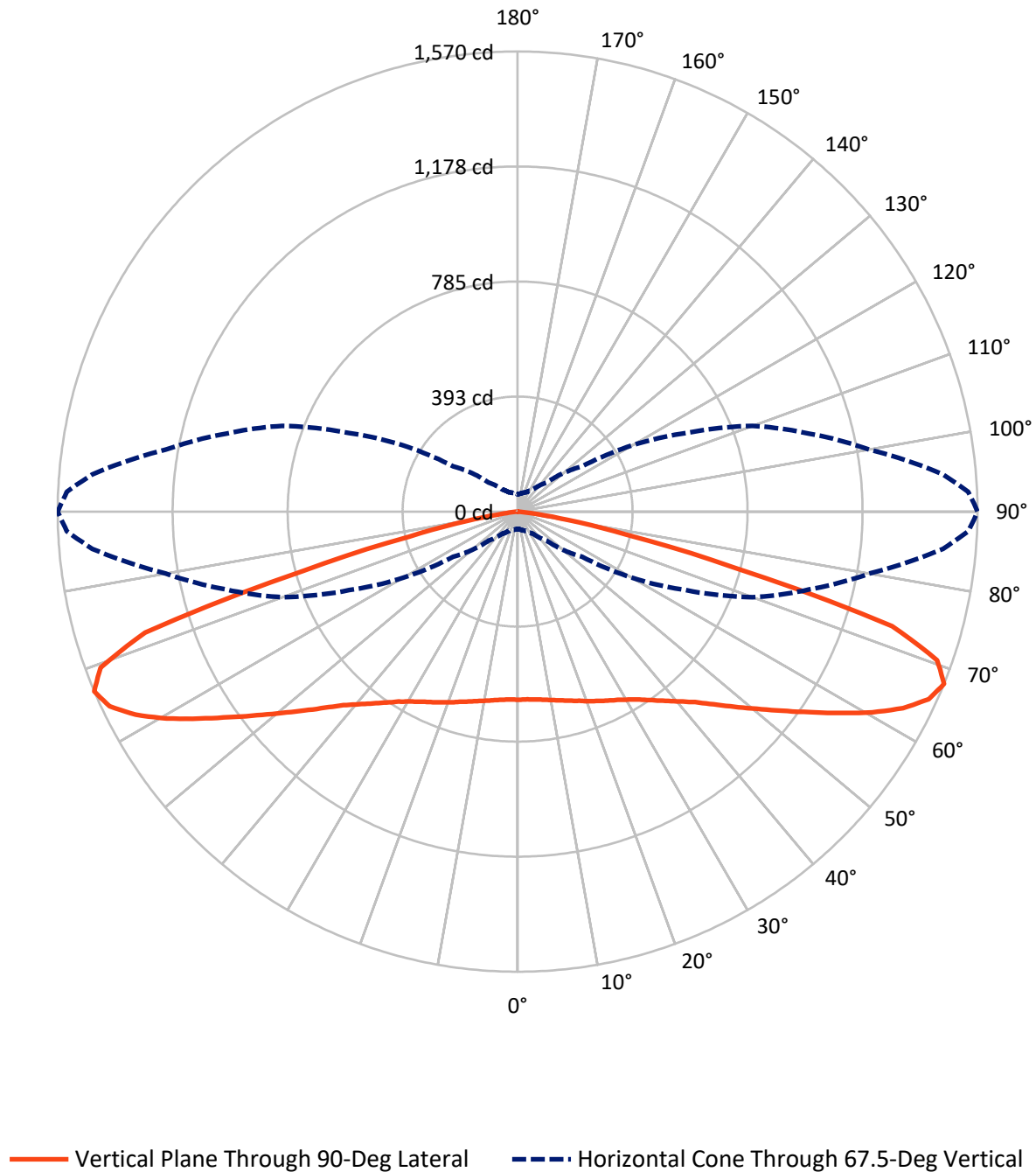
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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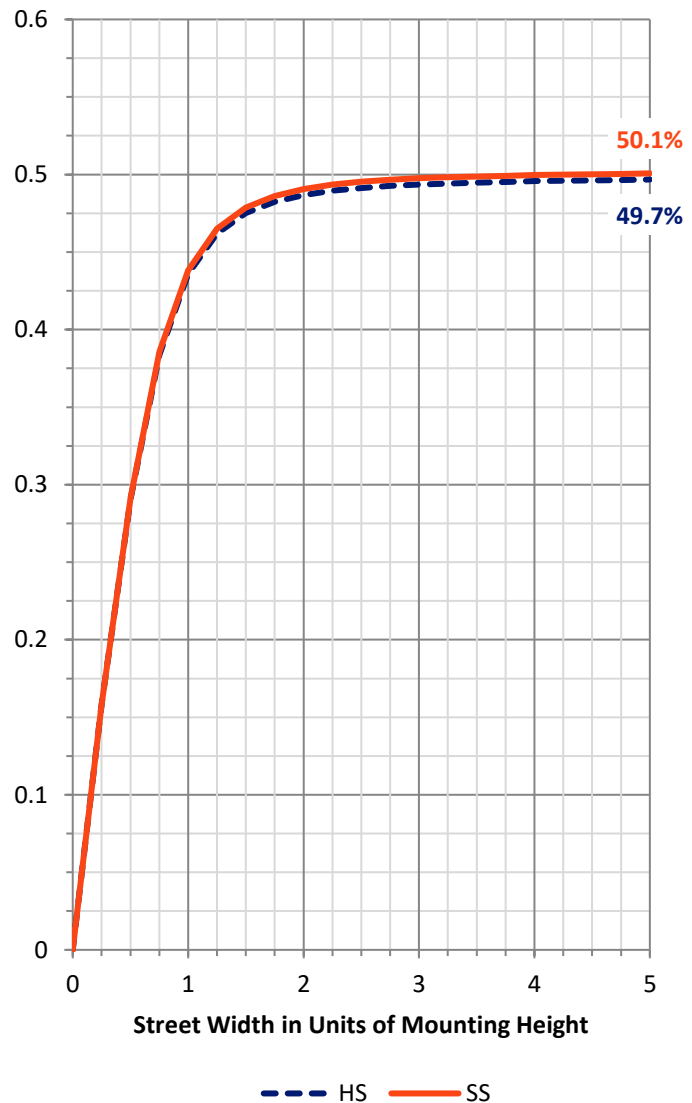
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1293.7	0.0	1293.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1293.7	0.0	1293.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2587.4	0.0	2587.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	2.4
10°-20°	185.6	7.2
20°-30°	308.5	11.9
30°-40°	409.9	15.8
40°-50°	462.1	17.9
50°-60°	475.2	18.4
60°-70°	449.0	17.4
70°-80°	219.8	8.5
80°-90°	15.7	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°	2587.4	100.0
0°-180°	2587.4	100.0



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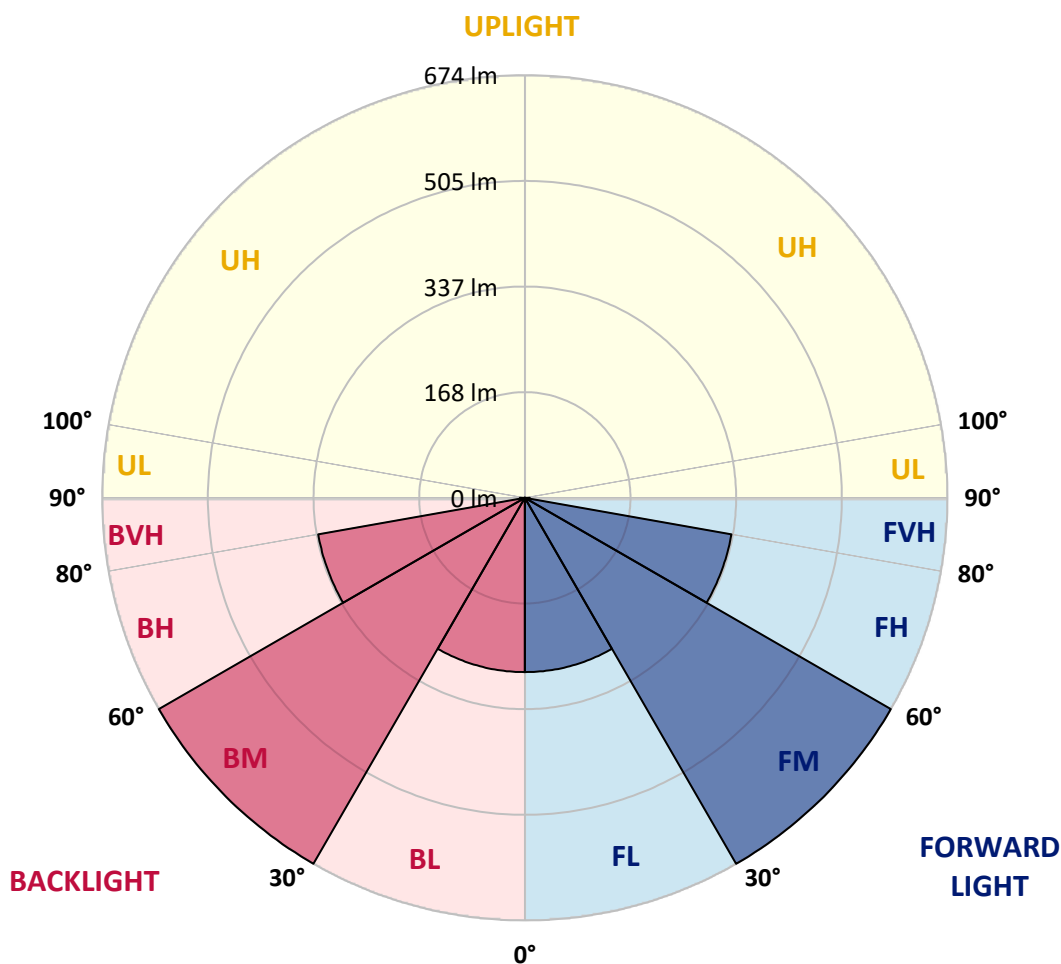
CATALOG NUMBER: GKO-PB1C-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.8	10.7			
FM	(30°-60°)	673.6	26.0			
FH	(60°-80°)	334.4	12.9			G0/660
FVH	(80°-90°)	7.9	0.3			G0/10
BL	(0°-30°)	277.8	10.7	B1/500		
BM	(30°-60°)	673.6	26.0	B1/1000		
BH	(60°-80°)	334.4	12.9	B1/500		G1/500
BVH	(80°-90°)	7.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0	642.0
2.5°	642.5	643.5	641.6	641.6	642.5	643.0	643.0	643.5	642.5	642.5	642.0
5°	642.5	643.0	642.0	642.0	643.0	644.4	643.9	644.9	644.9	644.4	644.4
7.5°	642.0	643.0	642.0	642.5	643.9	646.8	646.8	646.8	647.8	648.7	648.7
10°	641.6	642.5	643.0	643.5	645.4	649.7	650.6	651.1	652.5	654.0	654.0
12.5°	639.2	640.1	641.6	643.5	646.8	652.5	654.4	655.9	658.2	659.7	660.6
15°	635.8	636.3	639.6	643.5	648.7	655.9	659.7	662.1	665.4	667.3	668.7
17.5°	631.1	631.5	636.8	642.5	650.1	660.2	666.4	670.2	673.5	676.4	678.3
20°	624.9	626.3	632.5	641.6	652.5	664.4	673.5	680.2	683.5	686.4	689.3
22.5°	617.2	618.7	626.3	639.2	654.9	670.2	682.1	690.7	695.0	698.8	702.1
25°	605.8	607.7	616.7	633.4	655.9	676.4	691.6	702.6	706.4	711.2	714.1
27.5°	588.1	589.6	600.5	622.0	653.0	683.1	702.6	715.5	719.8	725.0	727.9
30°	560.5	563.3	576.7	603.4	645.8	688.3	715.5	728.4	733.6	738.9	742.7
32.5°	524.7	529.0	543.8	578.1	632.0	690.2	729.3	744.1	750.8	756.5	761.3
35°	480.3	484.6	502.3	545.7	610.1	686.4	743.2	762.2	770.3	778.0	783.7
37.5°	429.8	433.6	455.0	504.7	578.6	674.5	754.1	782.3	793.2	803.3	810.9
40°	378.7	383.0	406.4	459.3	540.4	651.6	758.9	804.2	818.0	830.9	840.5
42.5°	323.4	328.6	354.9	411.2	496.1	620.1	755.1	825.7	842.8	860.5	874.8
45°	274.3	275.2	303.8	358.2	447.4	579.5	741.7	846.2	869.6	894.4	914.9
47.5°	227.0	229.0	253.8	307.7	396.9	533.8	717.4	862.4	899.6	931.6	961.6
50°	185.1	187.5	209.9	258.1	346.3	483.7	684.5	871.9	925.4	968.8	1010.7
52.5°	150.7	153.6	172.2	214.6	295.3	431.2	643.9	873.4	948.7	1006.0	1061.8
55°	125.4	127.4	141.7	175.5	246.1	376.8	597.7	866.2	964.0	1039.4	1113.8
57.5°	105.9	107.8	117.8	144.5	201.8	321.0	541.4	849.5	972.1	1068.5	1166.2
60°	92.1	93.5	100.6	119.7	166.0	268.5	480.8	819.9	969.7	1086.6	1209.7
62.5°	82.0	82.5	88.7	102.1	136.9	218.9	412.6	775.6	950.2	1089.0	1239.2
65°	73.0	73.5	77.3	86.8	112.6	176.0	341.5	714.5	913.0	1072.3	1243.5
67.5°	59.1	60.1	65.8	73.0	92.5	139.3	269.0	634.4	854.8	1028.9	1219.2
70°	47.2	47.7	53.4	61.5	75.4	109.7	206.5	526.6	763.7	958.3	1156.2
72.5°	35.3	36.3	41.5	49.6	61.5	84.9	149.3	398.3	610.5	808.0	1006.9
75°	28.1	28.6	30.5	38.2	47.7	64.4	100.6	241.4	367.8	499.9	617.2
77.5°	23.8	24.3	24.3	29.6	35.3	43.4	53.4	95.9	155.5	221.3	293.3
80°	19.6	20.5	18.6	21.9	25.3	25.3	24.8	45.8	73.5	104.0	136.4
82.5°	14.3	15.3	14.3	15.3	15.3	13.8	12.9	17.2	23.4	32.0	34.8
85°	10.0	10.5	11.4	10.5	10.0	8.1	6.2	4.8	2.9	3.3	4.8
87.5°	6.7	8.1	9.5	9.1	7.6	6.2	4.3	2.9	1.4	1.9	1.9
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°	642.0	642.0	642.0
2.5°	642.5	642.0	641.6
5°	644.9	644.4	643.9
7.5°	648.2	648.2	648.2
10°	653.5	654.4	654.4
12.5°	660.2	661.1	661.1
15°	668.3	668.7	669.7
17.5°	678.3	678.8	678.8
20°	690.2	689.7	690.7
22.5°	702.1	702.1	702.1
25°	714.5	714.5	714.5
27.5°	728.8	728.8	727.9
30°	744.6	744.6	744.6
32.5°	763.7	764.1	764.6
35°	788.0	788.9	790.4
37.5°	815.7	818.0	819.5
40°	848.6	849.5	851.9
42.5°	885.3	888.2	888.6
45°	931.1	935.9	937.8
47.5°	985.0	991.7	995.0
50°	1045.1	1052.7	1057.5
52.5°	1110.4	1122.8	1128.6
55°	1180.1	1201.5	1207.7
57.5°	1258.8	1287.9	1296.5
60°	1336.1	1377.1	1390.9
62.5°	1401.9	1459.6	1476.8
65°	1448.1	1517.8	1543.1
67.5°	1457.7	1540.2	1570.3
70°	1400.4	1484.9	1519.7
72.5°	1217.8	1294.1	1337.5
75°	719.3	774.2	760.8
77.5°	361.1	376.8	379.2
80°	158.4	167.9	171.7
82.5°	39.1	40.1	45.3
85°	5.2	6.2	5.7
87.5°	1.9	1.9	2.4
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

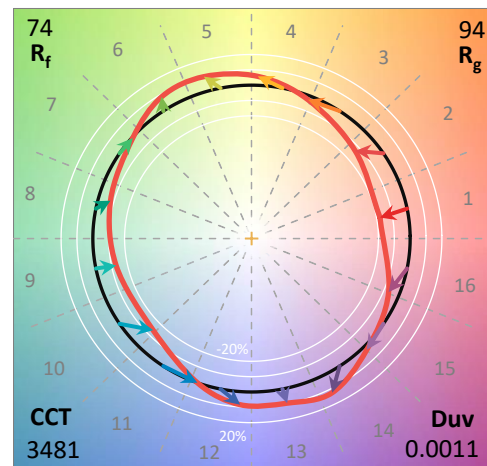
Data in this report applies to families of products including GKO-PB1C

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

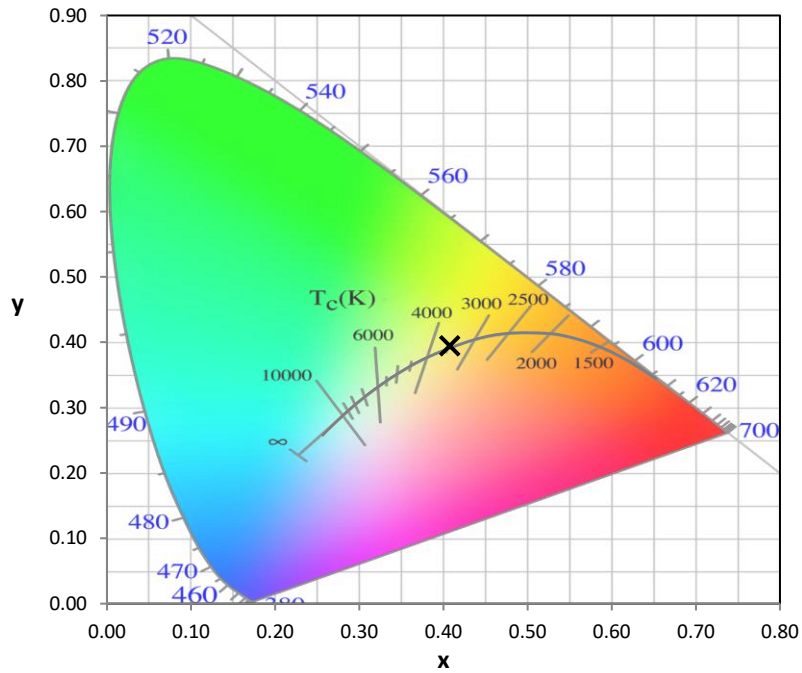
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.1

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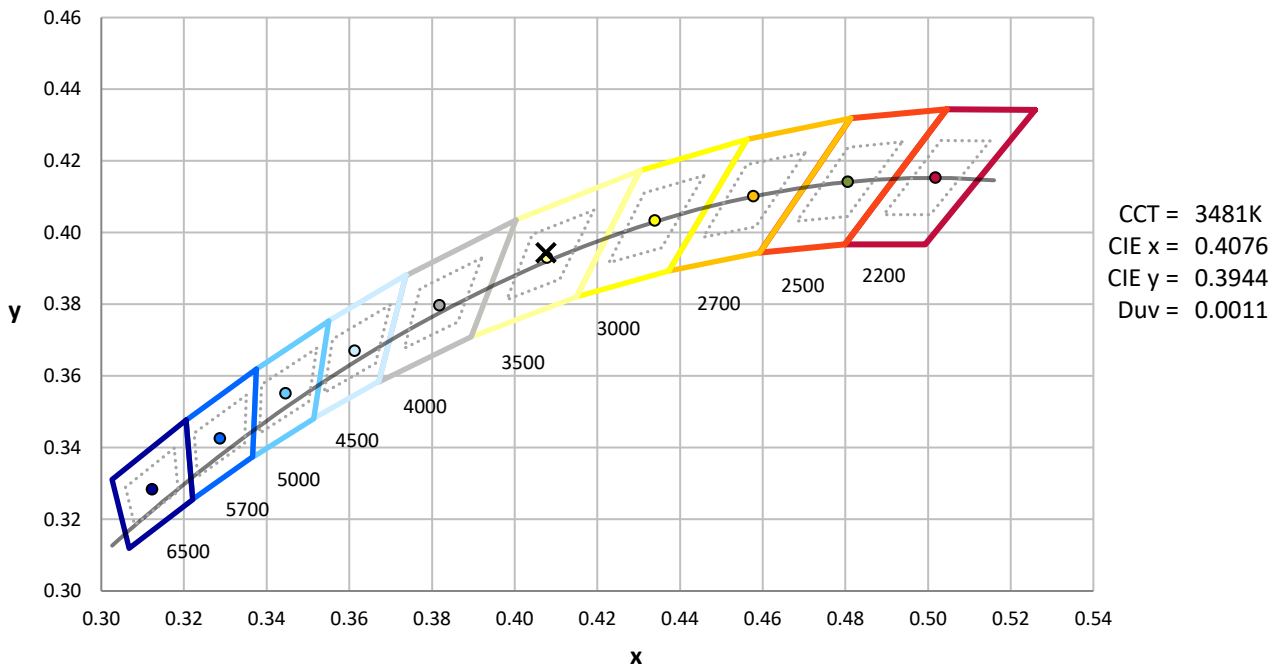
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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



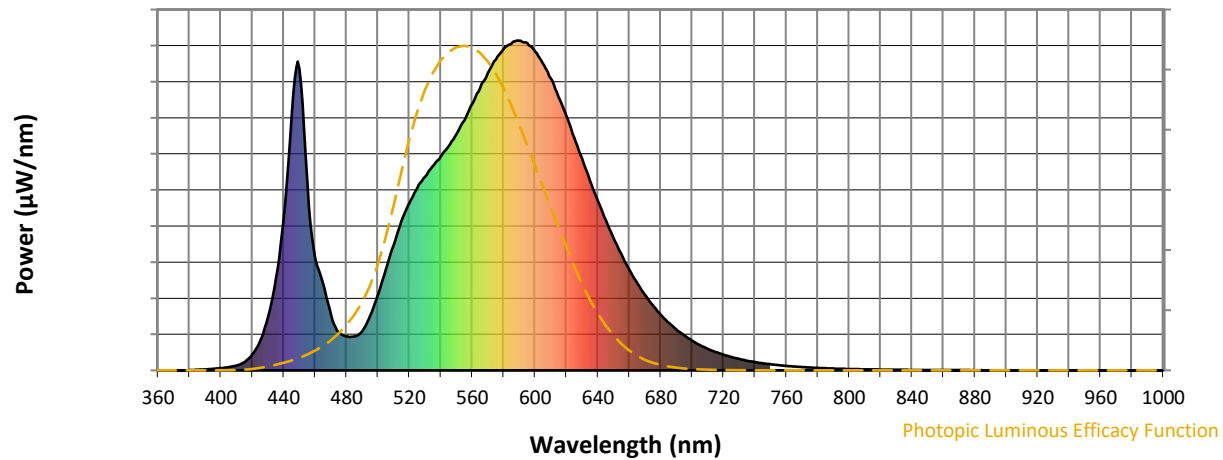
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

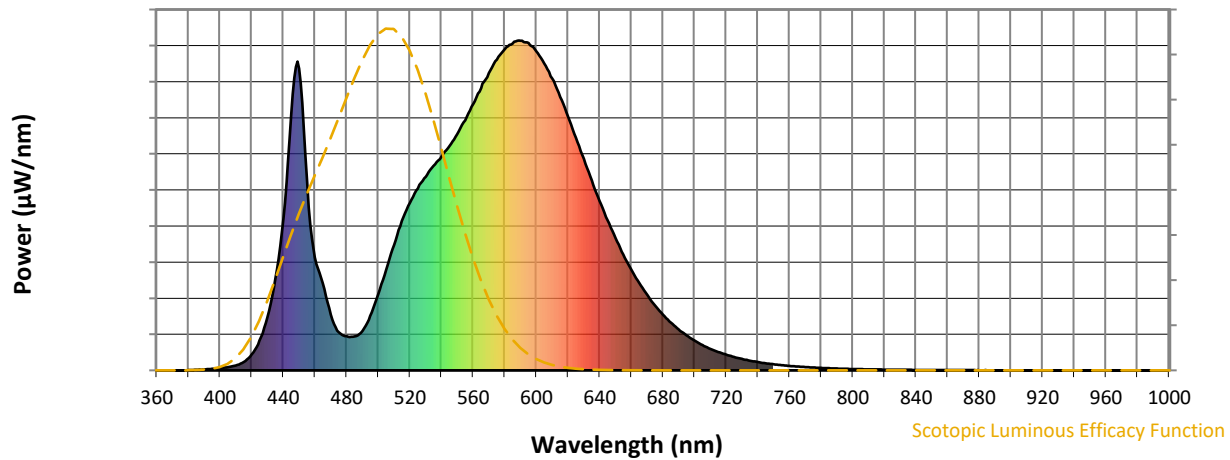


Photopic Lumens: NR

λ (nm)	Power W ^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			

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Scotopic Flux vs. Wavelength



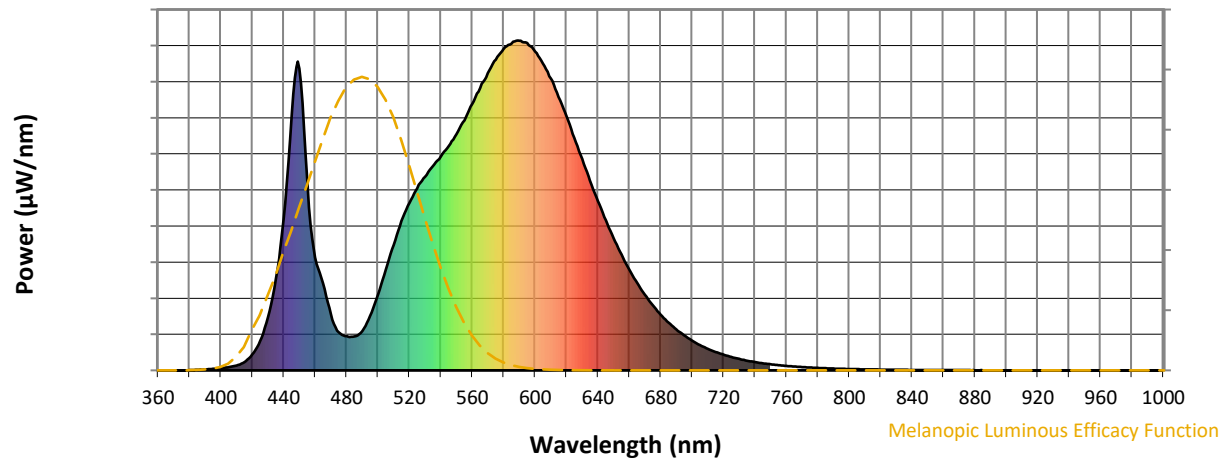
Scotopic Lumens: NR

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

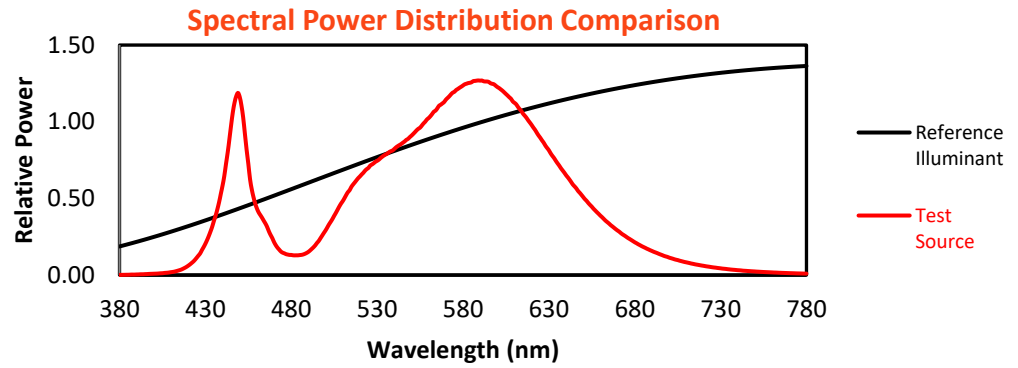
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230	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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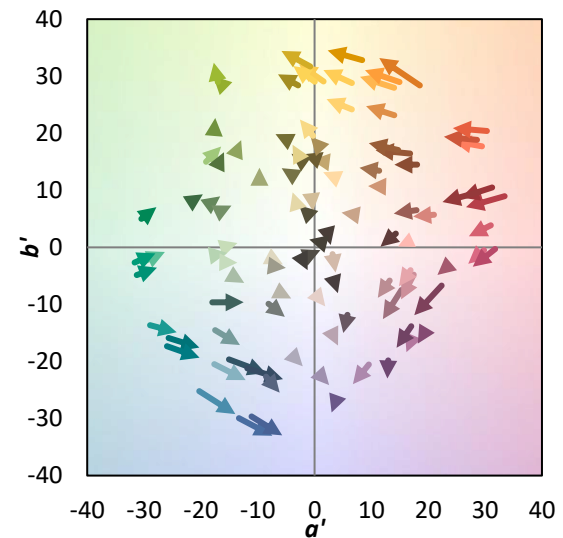
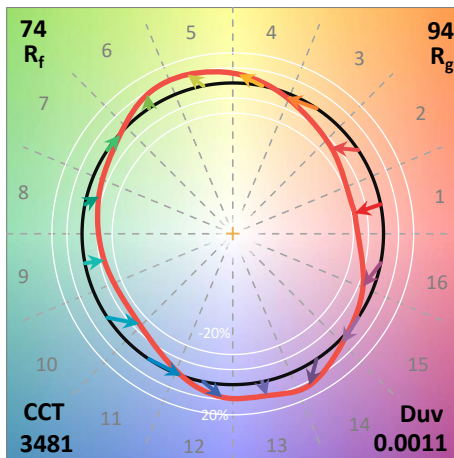
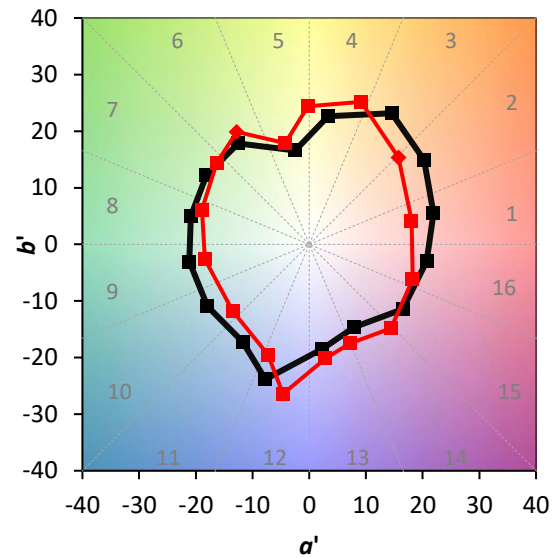
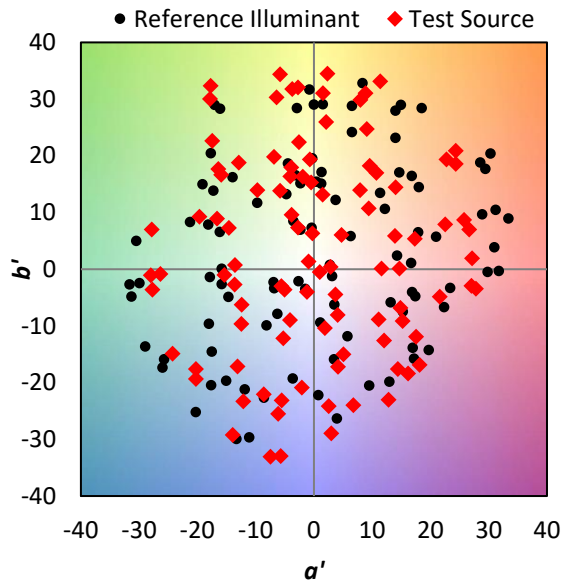
TM-30-18

Summary

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

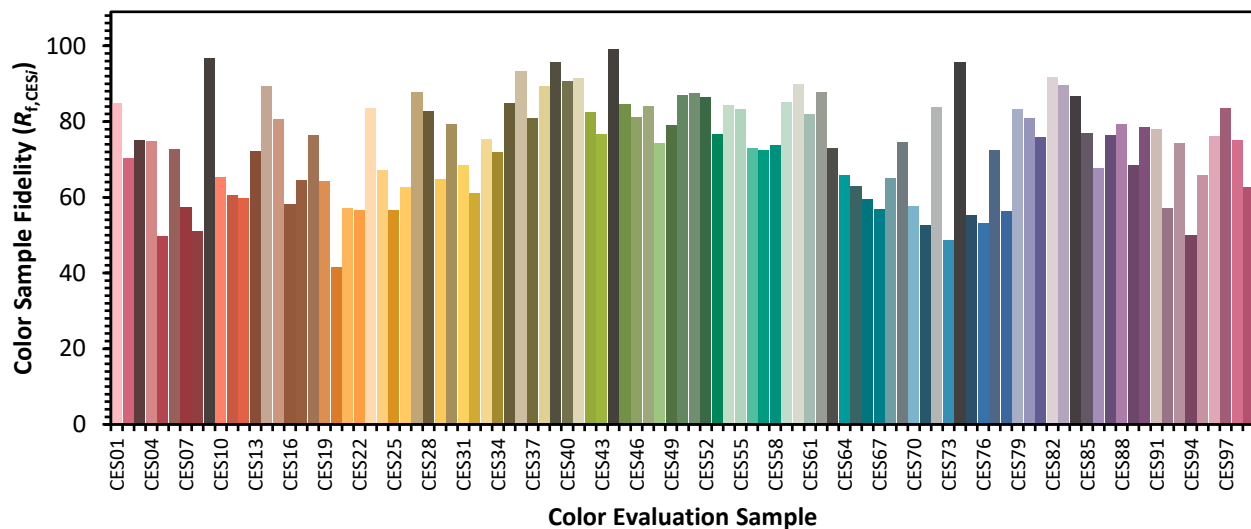


Color Vector Graphics

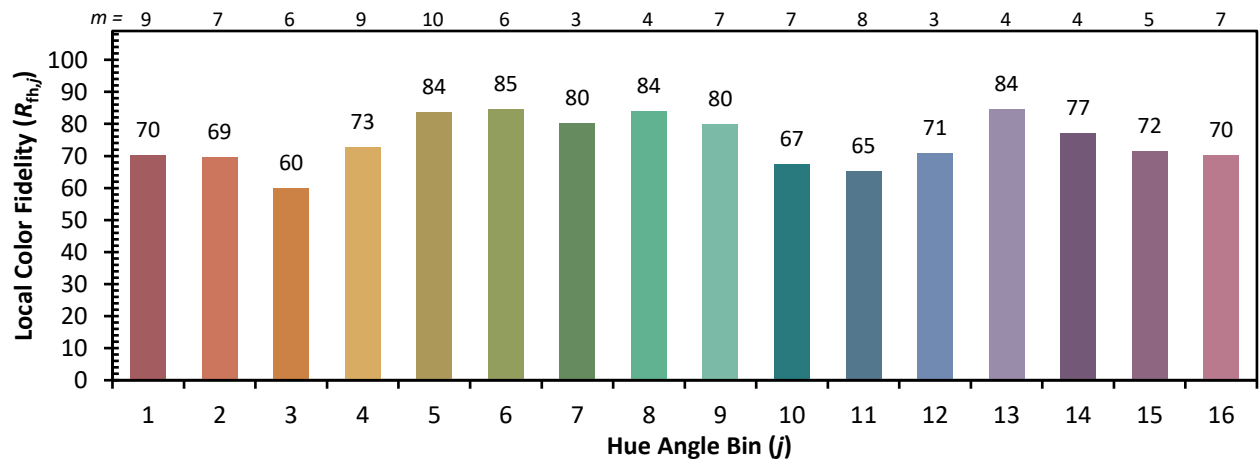
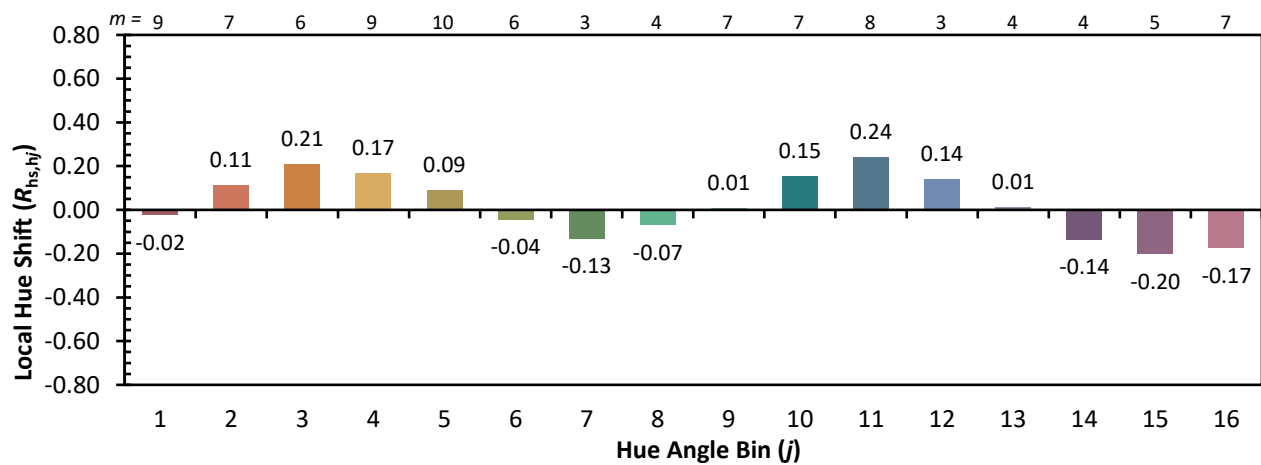
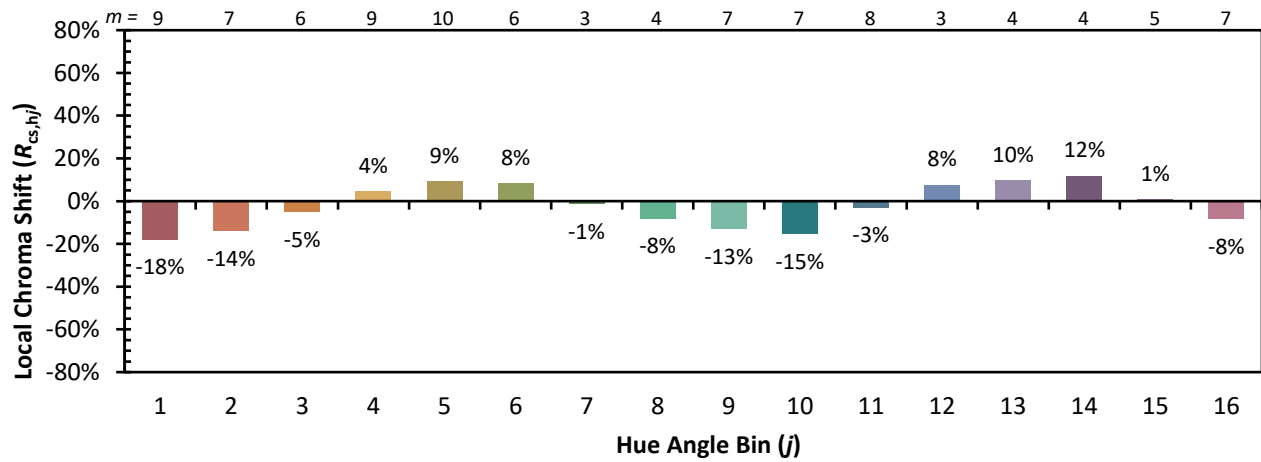


Individual Sample Fidelity Index ($R_{f,i}$)

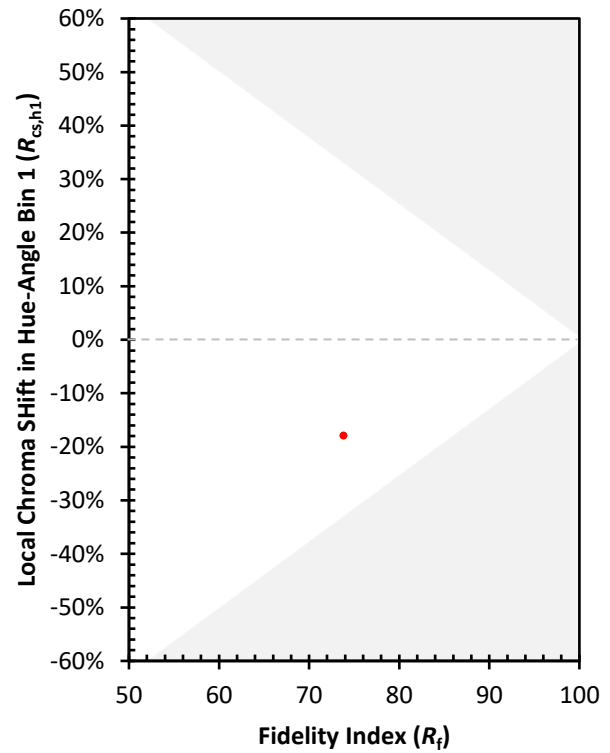
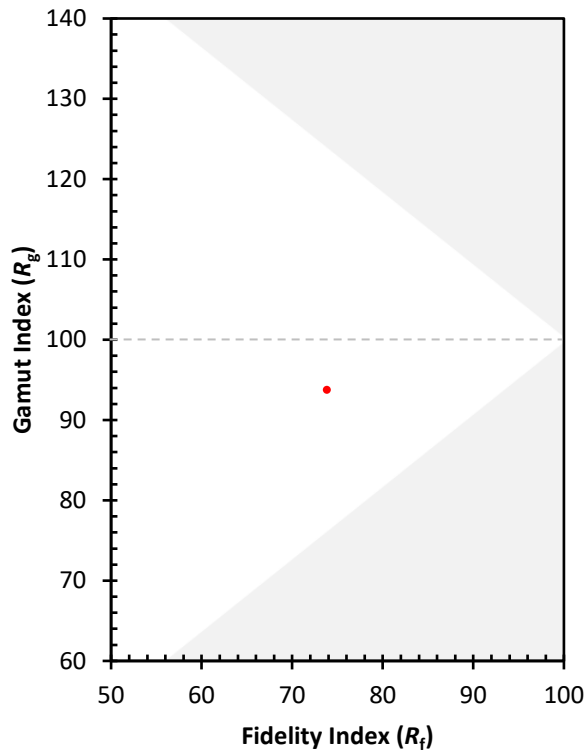
CES01 = 86	CES26 = 63	CES51 = 88	CES76 = 53
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 73
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 56
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 83
CES05 = 48	CES30 = 79	CES55 = 83	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 73	CES81 = 76
CES07 = 40	CES32 = 61	CES57 = 72	CES82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