

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: P1212034

Luminaire Tested: **GKO-PB1C-835-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212034
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-835-U-T1
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

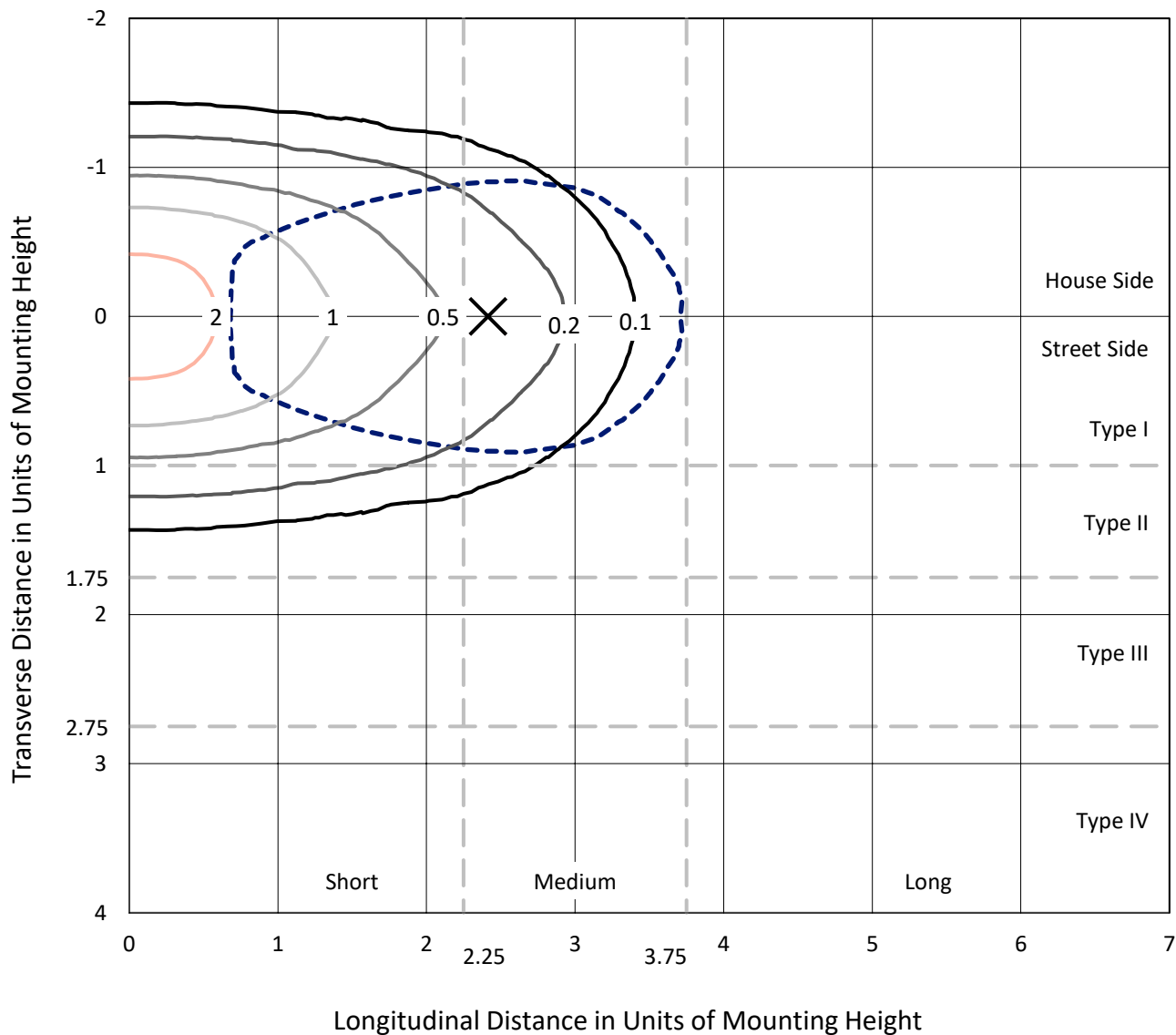
Lumens per Lamp: N/A
Luminaire Lumens: 2419.4 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

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

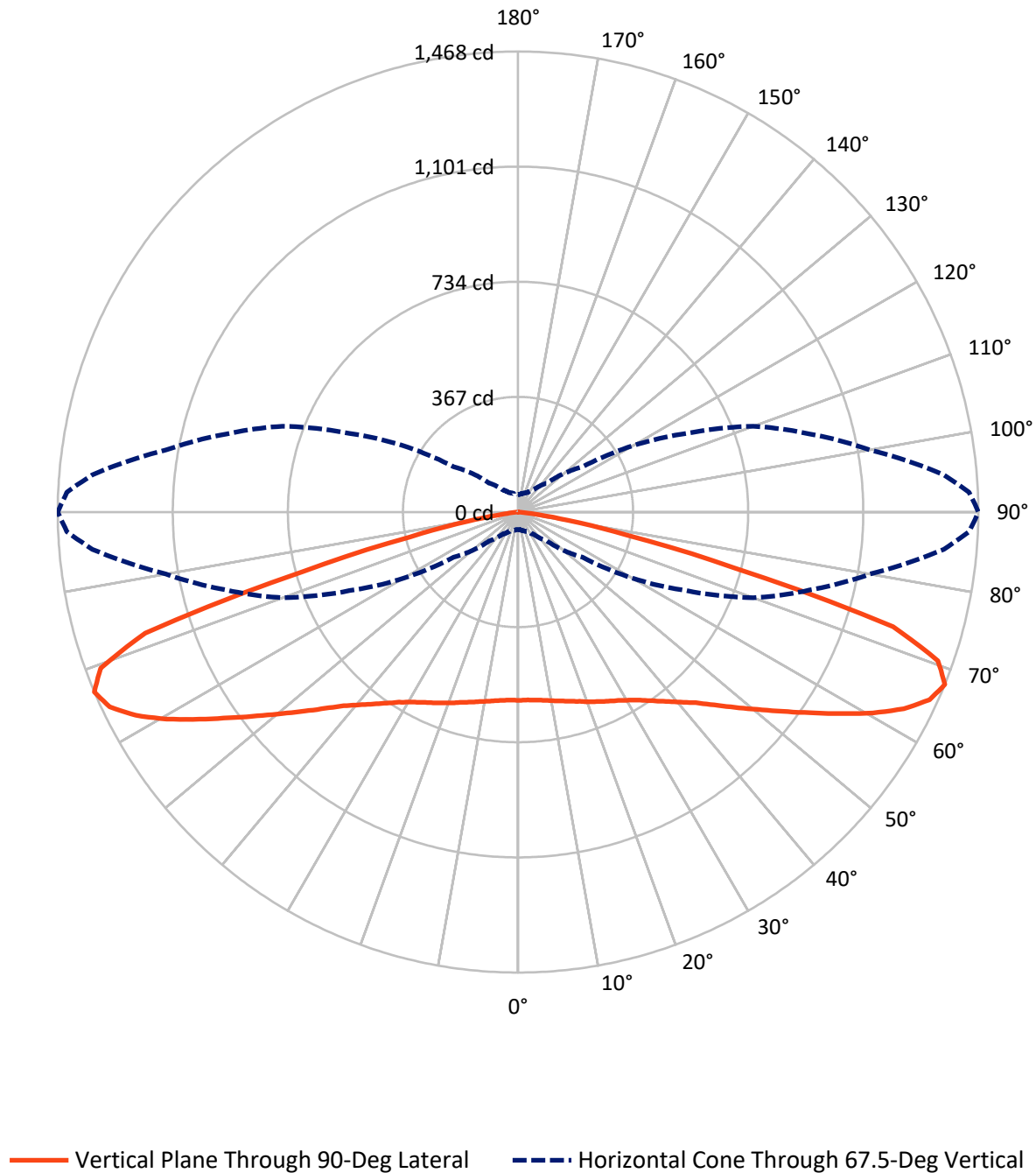
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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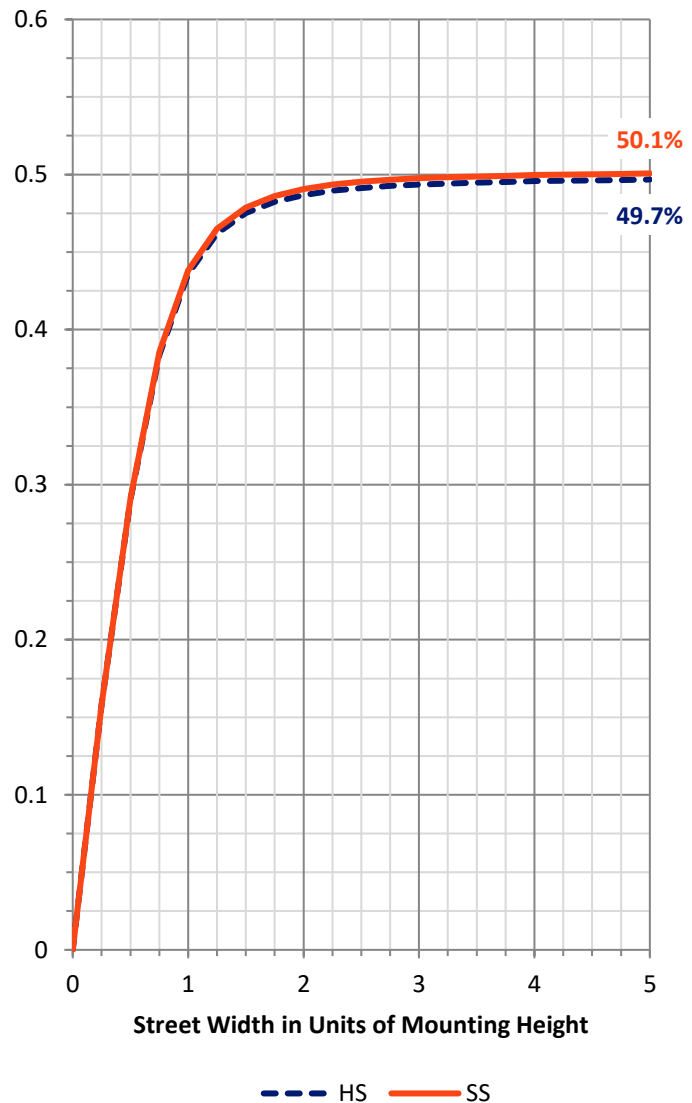
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1209.7	0.0	1209.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1209.7	0.0	1209.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2419.4	0.0	2419.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	2.4
10°-20°	173.5	7.2
20°-30°	288.5	11.9
30°-40°	383.3	15.8
40°-50°	432.1	17.9
50°-60°	444.3	18.4
60°-70°	419.9	17.4
70°-80°	205.5	8.5
80°-90°	14.7	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°	2419.4	100.0
0°-180°	2419.4	100.0

Coefficient of Utilization



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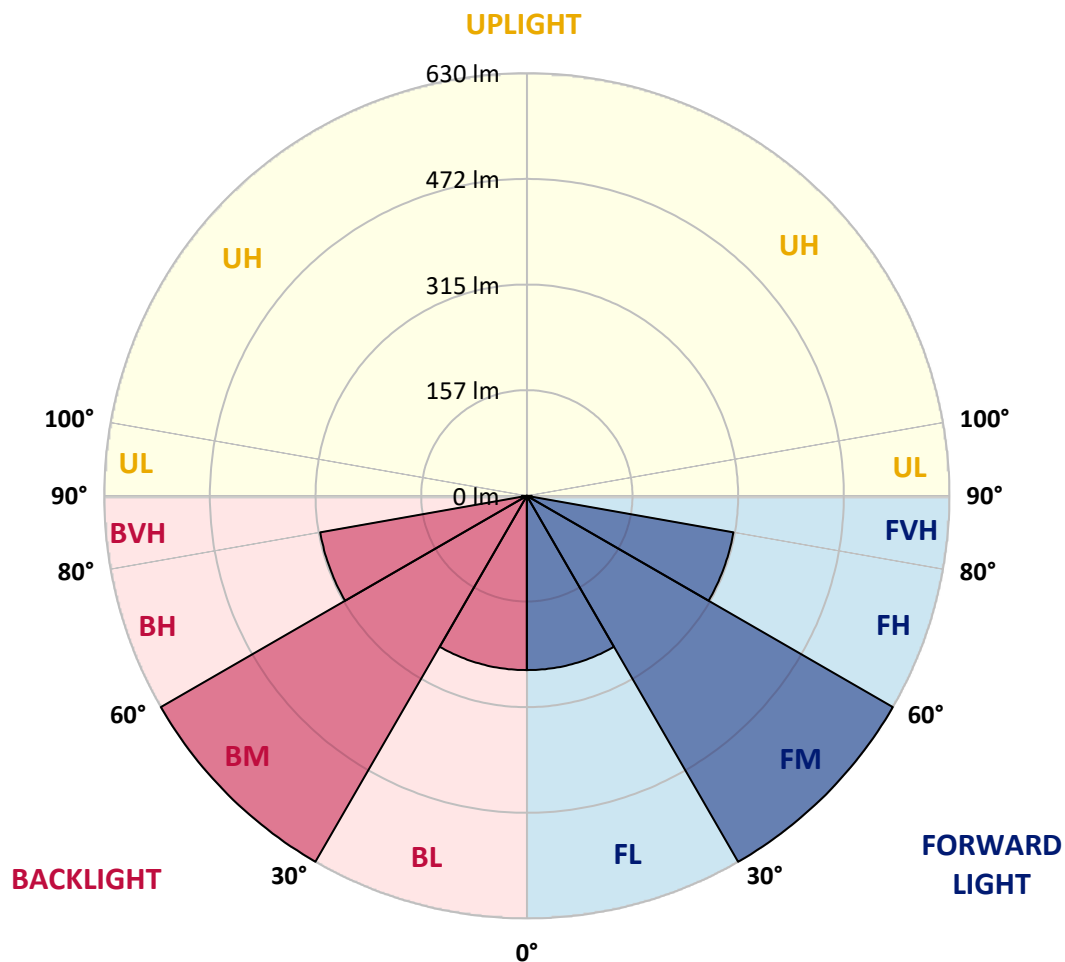
CATALOG NUMBER: GKO-PB1C-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.8	10.7			
FM	(30°-60°)	629.8	26.0			
FH	(60°-80°)	312.7	12.9			G0/660
FVH	(80°-90°)	7.4	0.3			G0/10
BL	(0°-30°)	259.8	10.7	B1/500		
BM	(30°-60°)	629.8	26.0	B1/1000		
BH	(60°-80°)	312.7	12.9	B1/500		G1/500
BVH	(80°-90°)	7.4	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
2.5°	600.8	601.7	599.9	599.9	600.8	601.2	601.2	601.7	600.8	600.8	600.3
5°	600.8	601.2	600.3	600.3	601.2	602.6	602.1	603.0	603.0	602.6	602.6
7.5°	600.3	601.2	600.3	600.8	602.1	604.8	604.8	604.8	605.7	606.6	606.6
10°	599.9	600.8	601.2	601.7	603.5	607.5	608.4	608.8	610.2	611.5	611.5
12.5°	597.7	598.6	599.9	601.7	604.8	610.2	611.9	613.3	615.5	616.9	617.7
15°	594.5	595.0	598.1	601.7	606.6	613.3	616.9	619.1	622.2	624.0	625.3
17.5°	590.1	590.5	595.4	600.8	607.9	617.3	623.1	626.7	629.8	632.5	634.2
20°	584.3	585.6	591.4	599.9	610.2	621.3	629.8	636.0	639.2	641.8	644.5
22.5°	577.2	578.5	585.6	597.7	612.4	626.7	637.8	645.8	649.9	653.4	656.5
25°	566.5	568.2	576.7	592.3	613.3	632.5	646.7	657.0	660.6	665.0	667.7
27.5°	549.9	551.3	561.5	581.6	610.6	638.7	657.0	669.0	673.0	678.0	680.6
30°	524.1	526.8	539.2	564.2	603.9	643.6	669.0	681.1	686.0	690.9	694.5
32.5°	490.6	494.6	508.5	540.6	591.0	645.4	682.0	695.8	702.0	707.4	711.9
35°	449.1	453.2	469.7	510.3	570.5	641.8	694.9	712.7	720.3	727.5	732.8
37.5°	401.9	405.4	425.5	471.9	541.0	630.7	705.2	731.5	741.7	751.1	758.2
40°	354.1	358.2	380.0	429.5	505.3	609.3	709.6	752.0	764.9	777.0	785.9
42.5°	302.4	307.3	331.8	384.5	463.9	579.8	706.1	772.1	788.1	804.6	818.0
45°	256.5	257.4	284.1	335.0	418.4	541.9	693.6	791.2	813.1	836.3	855.5
47.5°	212.3	214.1	237.3	287.7	371.1	499.1	670.8	806.4	841.2	871.1	899.2
50°	173.1	175.3	196.3	241.3	323.8	452.3	640.0	815.3	865.3	905.9	945.1
52.5°	140.9	143.6	161.0	200.7	276.1	403.2	602.1	816.7	887.1	940.7	992.8
55°	117.3	119.1	132.5	164.1	230.1	352.4	558.9	810.0	901.4	971.9	1041.5
57.5°	99.0	100.8	110.2	135.1	188.7	300.2	506.2	794.4	909.0	999.1	1090.5
60°	86.1	87.4	94.1	112.0	155.2	251.1	449.6	766.7	906.8	1016.0	1131.1
62.5°	76.7	77.2	83.0	95.4	128.0	204.7	385.8	725.2	888.5	1018.3	1158.8
65°	68.2	68.7	72.3	81.2	105.3	164.6	319.4	668.1	853.7	1002.7	1162.8
67.5°	55.3	56.2	61.6	68.2	86.5	130.2	251.6	593.2	799.3	962.1	1140.0
70°	44.2	44.6	50.0	57.5	70.5	102.6	193.1	492.4	714.1	896.1	1081.2
72.5°	33.0	33.9	38.8	46.4	57.5	79.4	139.6	372.4	570.9	755.6	941.6
75°	26.3	26.8	28.5	35.7	44.6	60.2	94.1	225.7	343.9	467.4	577.2
77.5°	22.3	22.7	22.7	27.7	33.0	40.6	50.0	89.7	145.4	207.0	274.3
80°	18.3	19.2	17.4	20.5	23.6	23.6	23.2	42.8	68.7	97.2	127.6
82.5°	13.4	14.3	13.4	14.3	14.3	12.9	12.0	16.1	21.9	29.9	32.6
85°	9.4	9.8	10.7	9.8	9.4	7.6	5.8	4.5	2.7	3.1	4.5
87.5°	6.2	7.6	8.9	8.5	7.1	5.8	4.0	2.7	1.3	1.8	1.8
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°	600.3	600.3	600.3
2.5°	600.8	600.3	599.9
5°	603.0	602.6	602.1
7.5°	606.1	606.1	606.1
10°	611.1	611.9	611.9
12.5°	617.3	618.2	618.2
15°	624.9	625.3	626.2
17.5°	634.2	634.7	634.7
20°	645.4	645.0	645.8
22.5°	656.5	656.5	656.5
25°	668.1	668.1	668.1
27.5°	681.5	681.5	680.6
30°	696.2	696.2	696.2
32.5°	714.1	714.5	715.0
35°	736.8	737.7	739.1
37.5°	762.7	764.9	766.3
40°	793.5	794.4	796.6
42.5°	827.8	830.5	830.9
45°	870.6	875.1	876.9
47.5°	921.0	927.3	930.4
50°	977.2	984.4	988.8
52.5°	1038.3	1049.9	1055.3
55°	1103.5	1123.5	1129.3
57.5°	1177.1	1204.3	1212.3
60°	1249.3	1287.7	1300.6
62.5°	1310.9	1364.8	1380.9
65°	1354.1	1419.2	1442.9
67.5°	1363.0	1440.2	1468.3
70°	1309.5	1388.5	1421.0
72.5°	1138.7	1210.1	1250.7
75°	672.6	723.9	711.4
77.5°	337.6	352.4	354.6
80°	148.1	157.0	160.6
82.5°	36.6	37.5	42.4
85°	4.9	5.8	5.4
87.5°	1.8	1.8	2.2
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: SP1-2511-595-3

Test Date: 01/09/2026

Luminaire Tested: GKO-PB1C-835-U-T4W

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

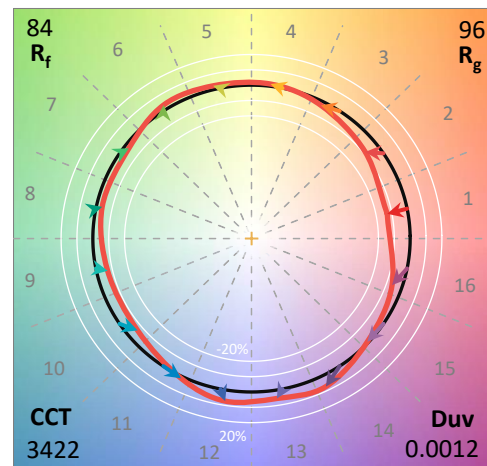
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-595-3
 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-835-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3422
 CIE u' : 0.2372
 CIE v' : 0.5144
 Duv: 0.0012
 CIE x: 0.4111
 CIE y: 0.3962
 CIE z: 0.1928
 Peak Wavelength (nm): 598
 Dominant Wavelength (nm): 580
 Purity: 42.28884
 R_f: 83.9
 R_g: 95.8

CRI (Ra): 81.5
 R1: 79.2
 R2: 88.7
 R3: 96.3
 R4: 80.3
 R5: 79.7
 R6: 85.6
 R7: 83.5
 R8: 58.4
 R9: -1.4
 R10: 74.4
 R11: 79.7
 R12: 66.0
 R13: 81.3
 R14: 98.3
 R15: 71.2



Test Conditions

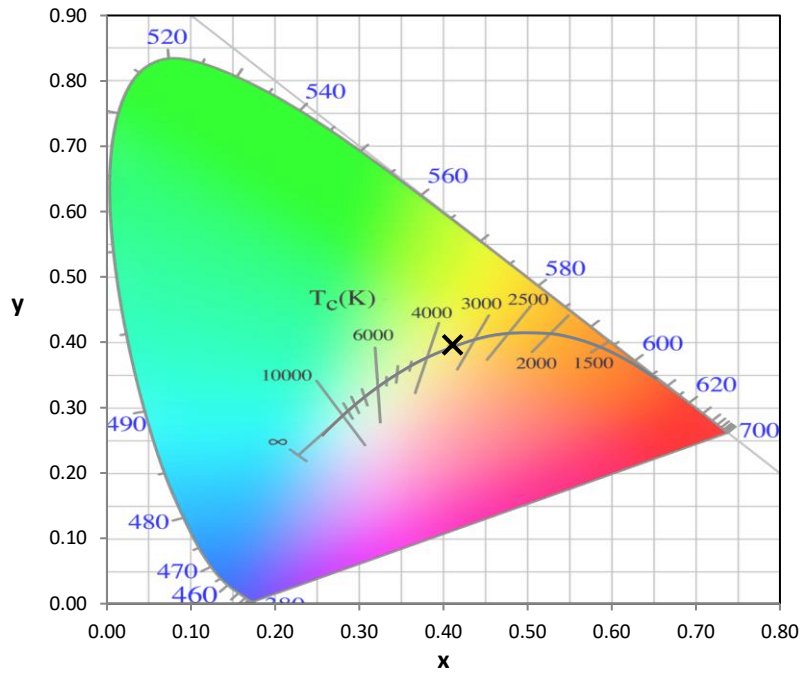
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.1

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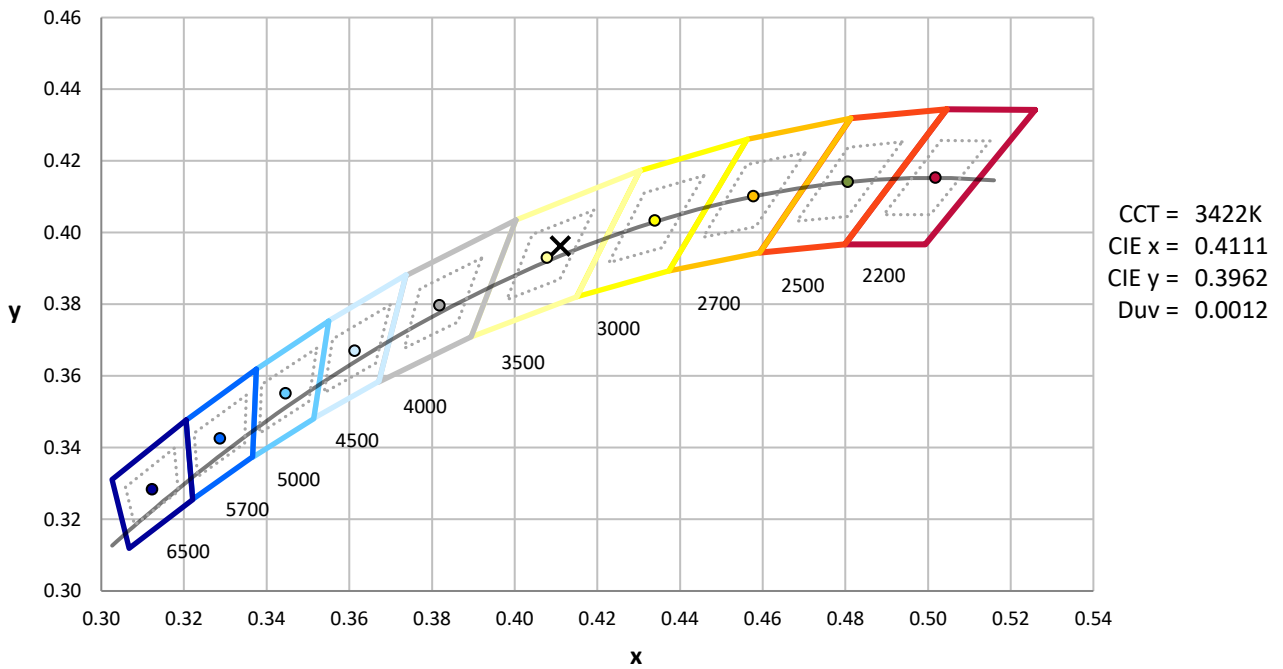
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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



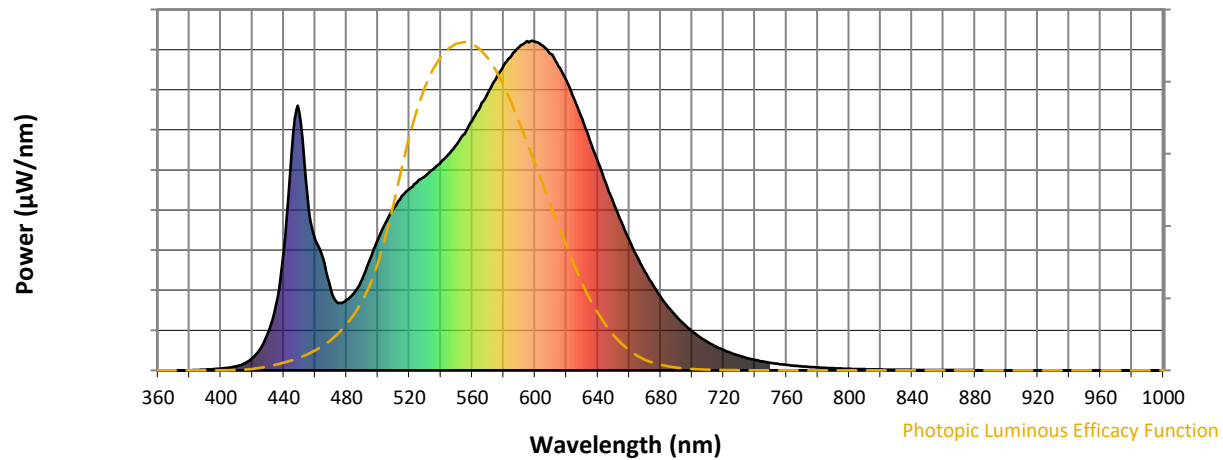
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength

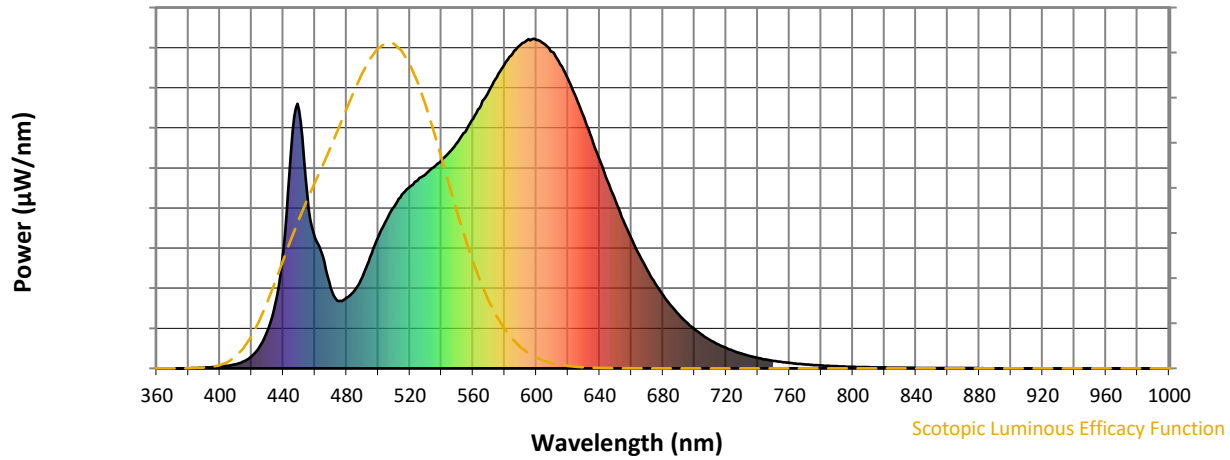


Photopic Lumens: NR

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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



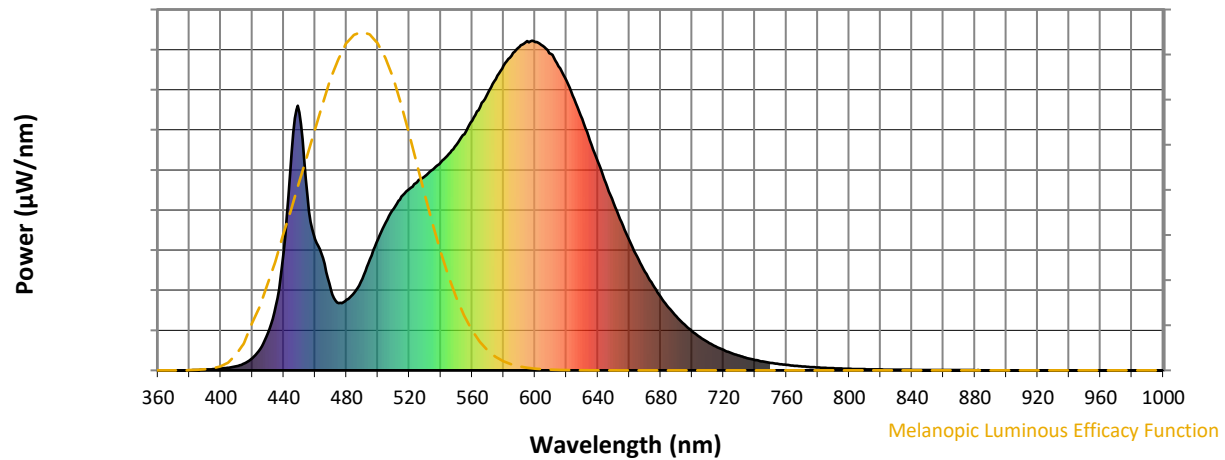
Scotopic Lumens: NR

S/P: 1.48

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	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.92

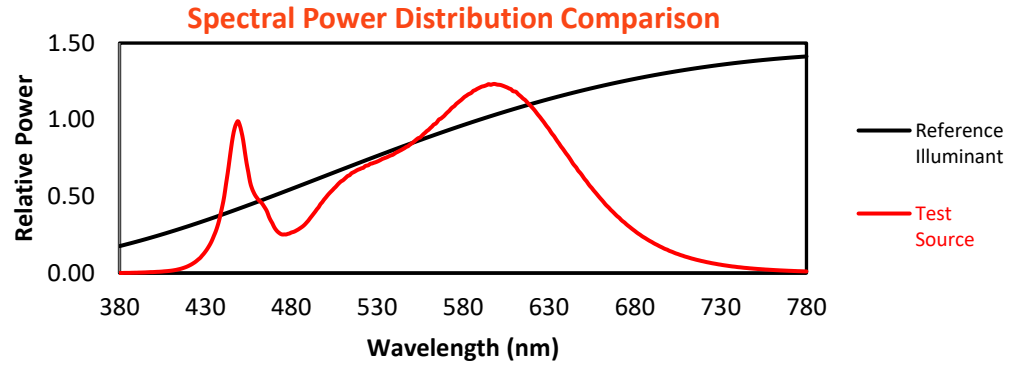
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	278	NR	620	878	NR	750	23	NR	880	1	NR
365	0	NR	495	338	NR	625	823	NR	755	20	NR	885	0	NR
370	0	NR	500	398	NR	630	763	NR	760	17	NR	890	0	NR
375	0	NR	505	448	NR	635	697	NR	765	14	NR	895	0	NR
380	0	NR	510	490	NR	640	633	NR	770	12	NR	900	0	NR
385	1	NR	515	527	NR	645	568	NR	775	10	NR	905	0	NR
390	2	NR	520	550	NR	650	508	NR	780	9	NR	910	0	NR
395	3	NR	525	571	NR	655	450	NR	785	7	NR	915	0	NR
400	5	NR	530	589	NR	660	395	NR	790	6	NR	920	0	NR
405	8	NR	535	610	NR	665	345	NR	795	5	NR	925	0	NR
410	13	NR	540	631	NR	670	299	NR	800	5	NR	930	0	NR
415	21	NR	545	656	NR	675	259	NR	805	4	NR	935	0	NR
420	37	NR	550	685	NR	680	223	NR	810	4	NR	940	0	NR
425	65	NR	555	717	NR	685	191	NR	815	3	NR	945	0	NR
430	114	NR	560	758	NR	690	164	NR	820	3	NR	950	0	NR
435	198	NR	565	799	NR	695	139	NR	825	2	NR	955	0	NR
440	359	NR	570	841	NR	700	118	NR	830	2	NR	960	0	NR
445	663	NR	575	883	NR	705	101	NR	835	2	NR	965	0	NR
450	782	NR	580	924	NR	710	86	NR	840	1	NR	970	0	NR
455	533	NR	585	954	NR	715	73	NR	845	1	NR	975	0	NR
460	398	NR	590	982	NR	720	62	NR	850	1	NR	980	0	NR
465	341	NR	595	999	NR	725	52	NR	855	1	NR	985	0	NR
470	244	NR	600	996	NR	730	44	NR	860	1	NR	990	0	NR
475	204	NR	605	984	NR	735	37	NR	865	1	NR	995	0	NR
480	214	NR	610	960	NR	740	32	NR	870	1	NR	1000	0	NR
485	236	NR	615	923	NR	745	27	NR	875	1	NR			

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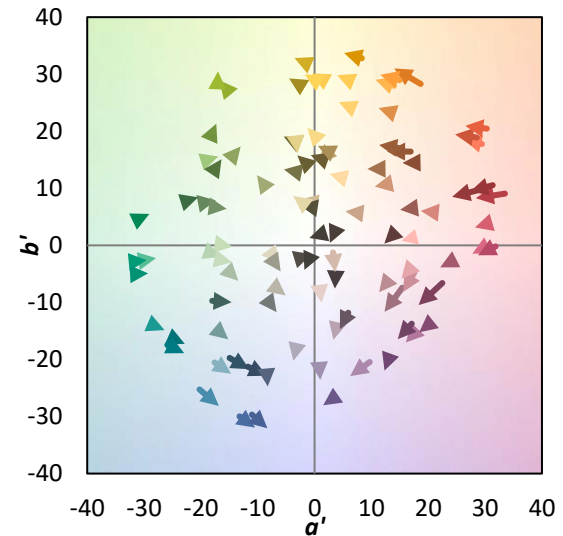
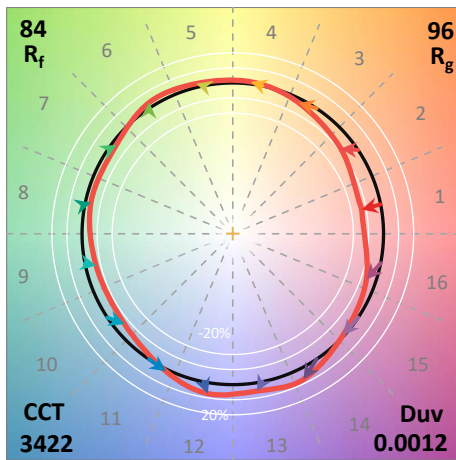
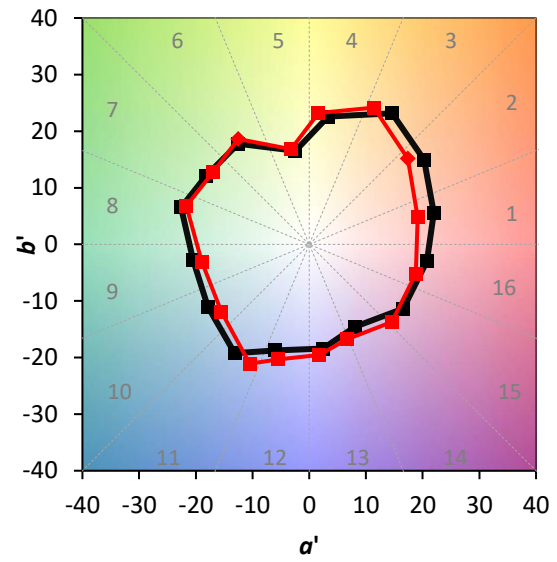
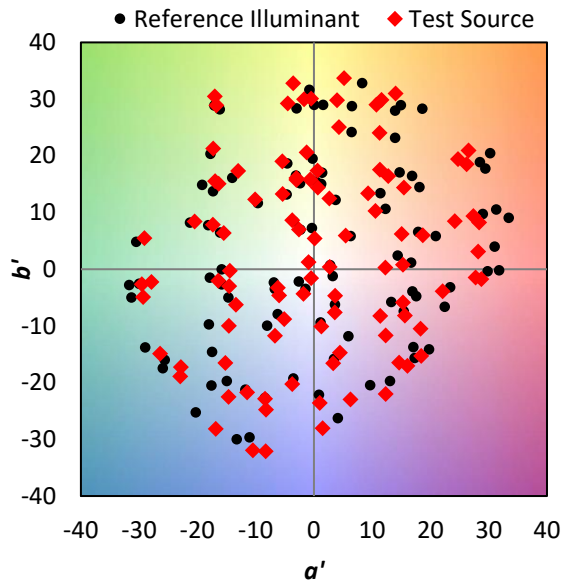
TM-30-18

Summary

$R_f = 83.9$
 $R_g = 95.8$
 $CIE R_a = 81.5$
 $R_g = -1.4$

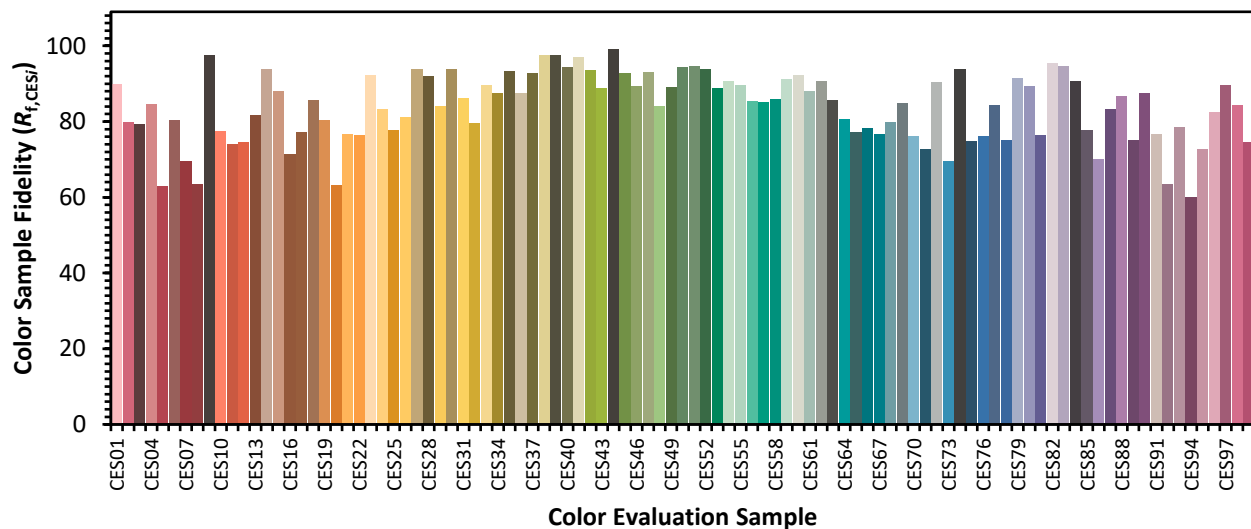


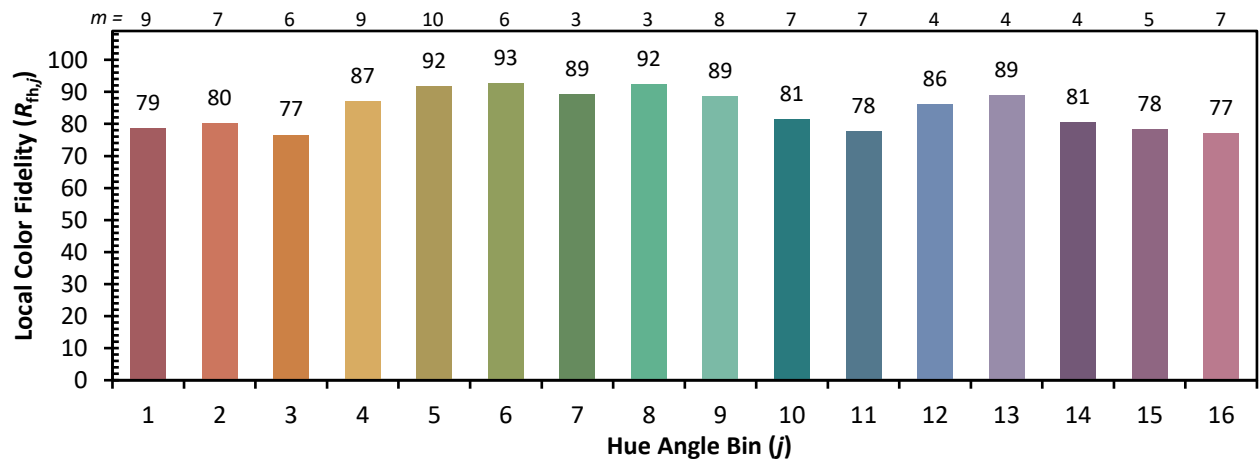
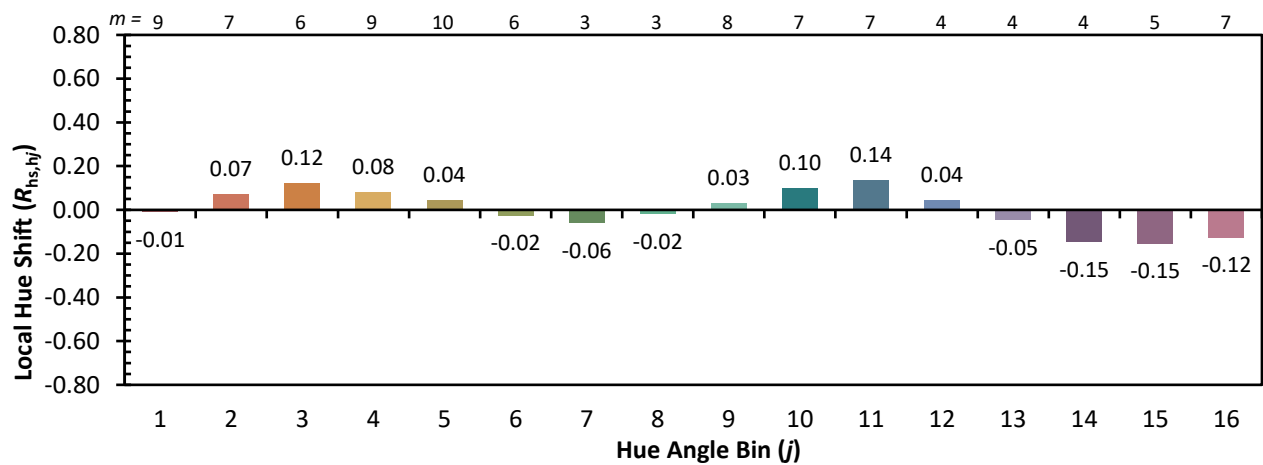
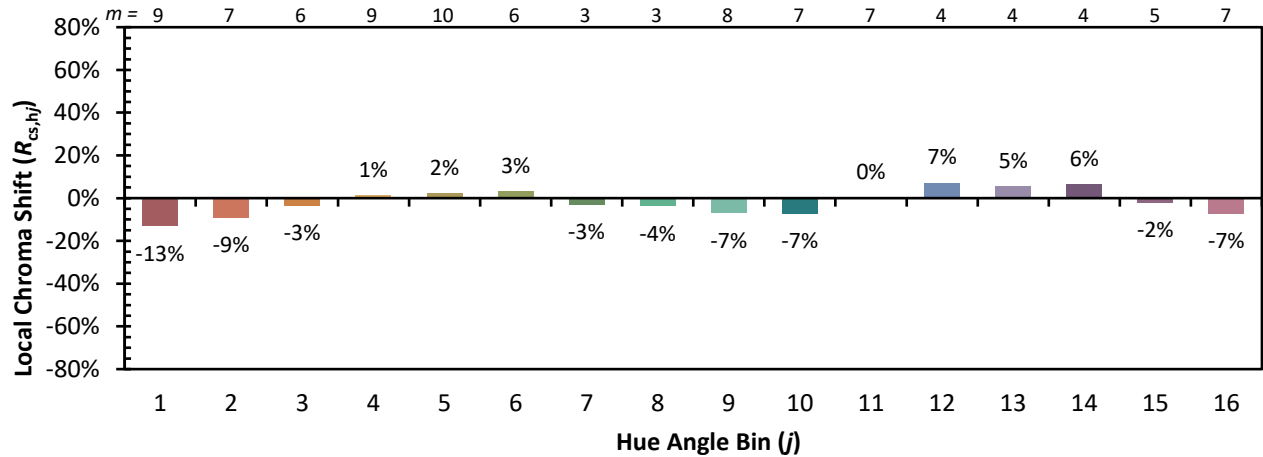
Color Vector Graphics

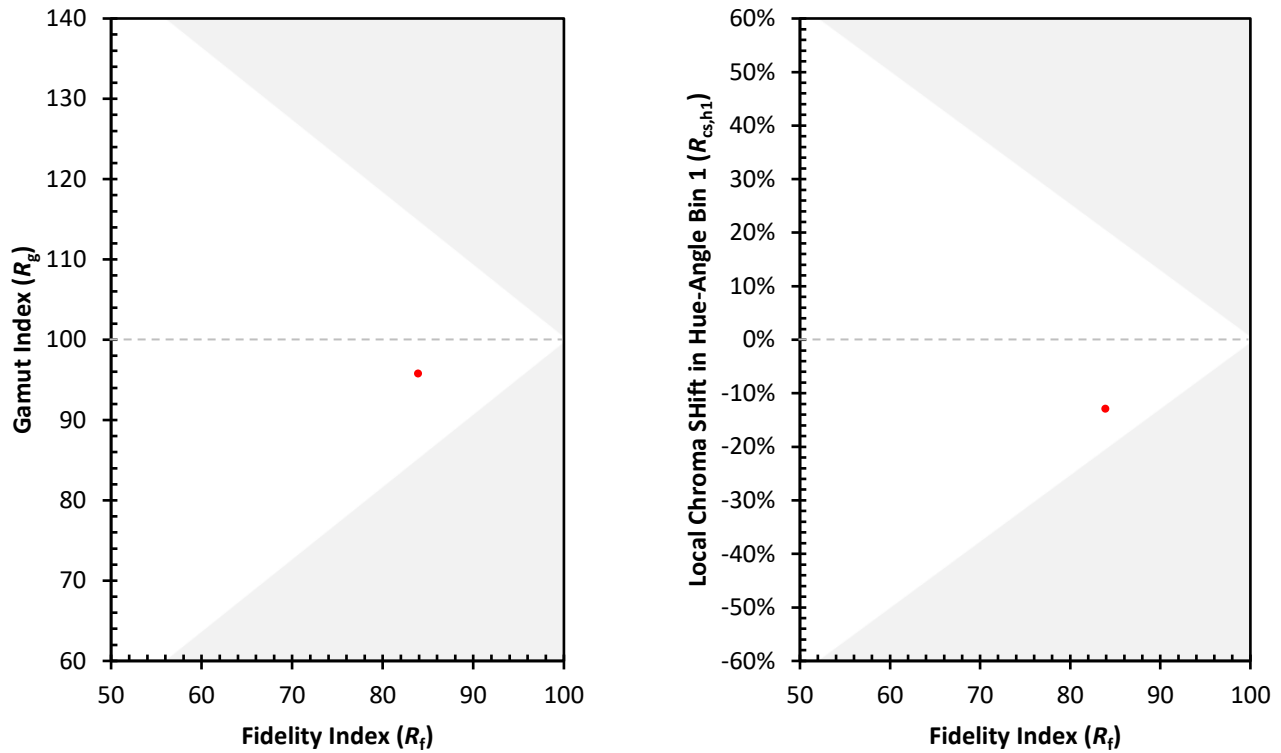


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 81	CES51 = 95	CES76 = 76
CES02 = 62	CES27 = 94	CES52 = 94	CES77 = 84
CES03 = 31	CES28 = 92	CES53 = 89	CES78 = 75
CES04 = 70	CES29 = 84	CES54 = 91	CES79 = 91
CES05 = 49	CES30 = 94	CES55 = 90	CES80 = 89
CES06 = 51	CES31 = 86	CES56 = 85	CES81 = 76
CES07 = 41	CES32 = 80	CES57 = 85	CES82 = 95
CES08 = 40	CES33 = 90	CES58 = 86	CES83 = 95
CES09 = 29	CES34 = 87	CES59 = 91	CES84 = 91
CES10 = 75	CES35 = 93	CES60 = 92	CES85 = 78
CES11 = 58	CES36 = 87	CES61 = 88	CES86 = 70
CES12 = 64	CES37 = 93	CES62 = 91	CES87 = 83
CES13 = 43	CES38 = 98	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 81	CES89 = 75
CES15 = 71	CES40 = 94	CES65 = 77	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 78	CES91 = 77
CES17 = 50	CES42 = 94	CES67 = 77	CES92 = 63
CES18 = 56	CES43 = 89	CES68 = 80	CES93 = 78
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 60
CES20 = 66	CES45 = 93	CES70 = 76	CES95 = 73
CES21 = 86	CES46 = 89	CES71 = 73	CES96 = 83
CES22 = 78	CES47 = 93	CES72 = 90	CES97 = 90
CES23 = 92	CES48 = 84	CES73 = 70	CES98 = 84
CES24 = 91	CES49 = 89	CES74 = 94	CES99 = 74
CES25 = 72	CES50 = 94	CES75 = 75	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)