

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: P1212014

Luminaire Tested: **GKO-PB1C-827-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212014
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-827-U-T1
Description: GEKKO WALL PACK 2500LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

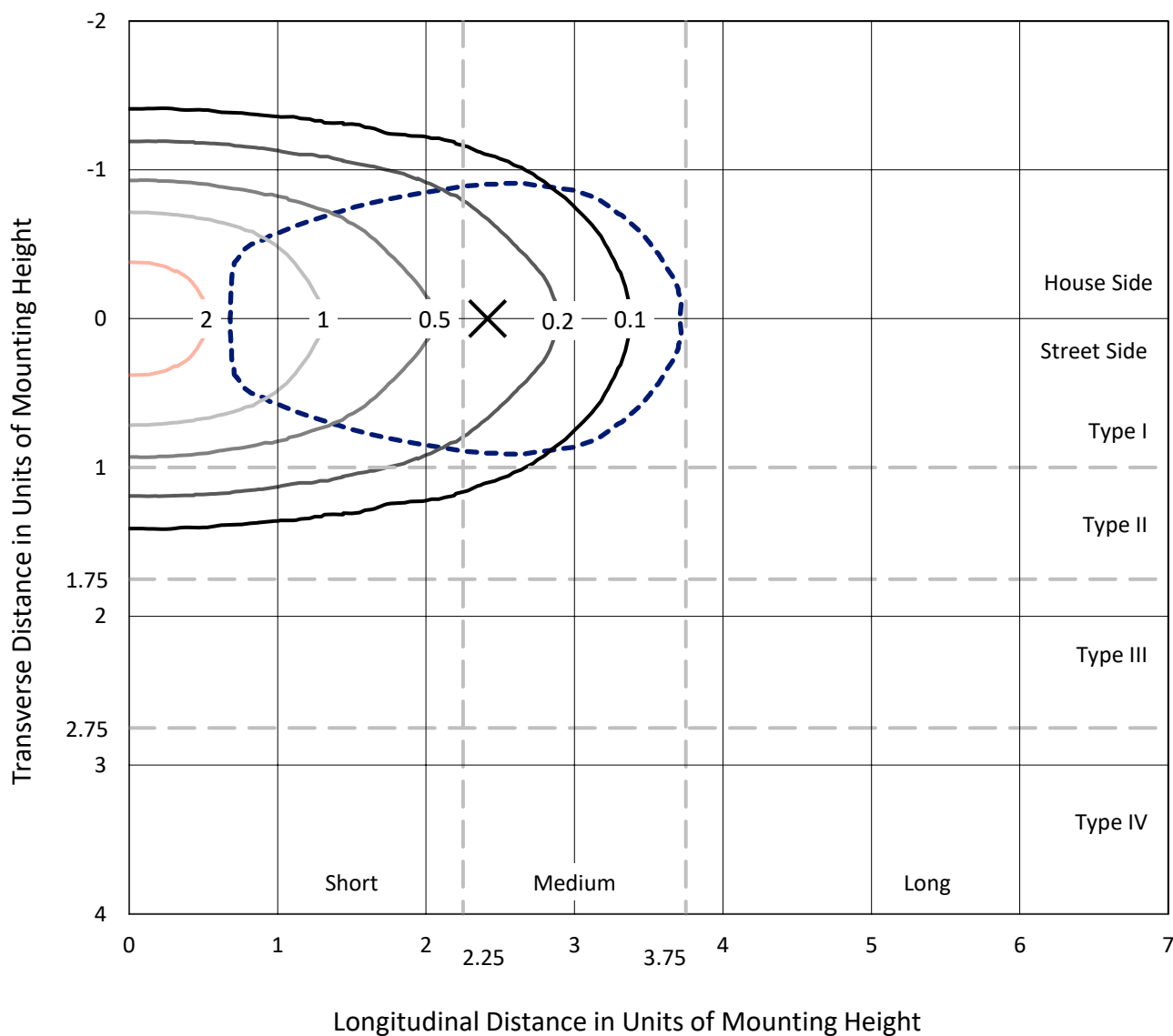
Lumens per Lamp: N/A
Luminaire Lumens: 2292.4 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

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

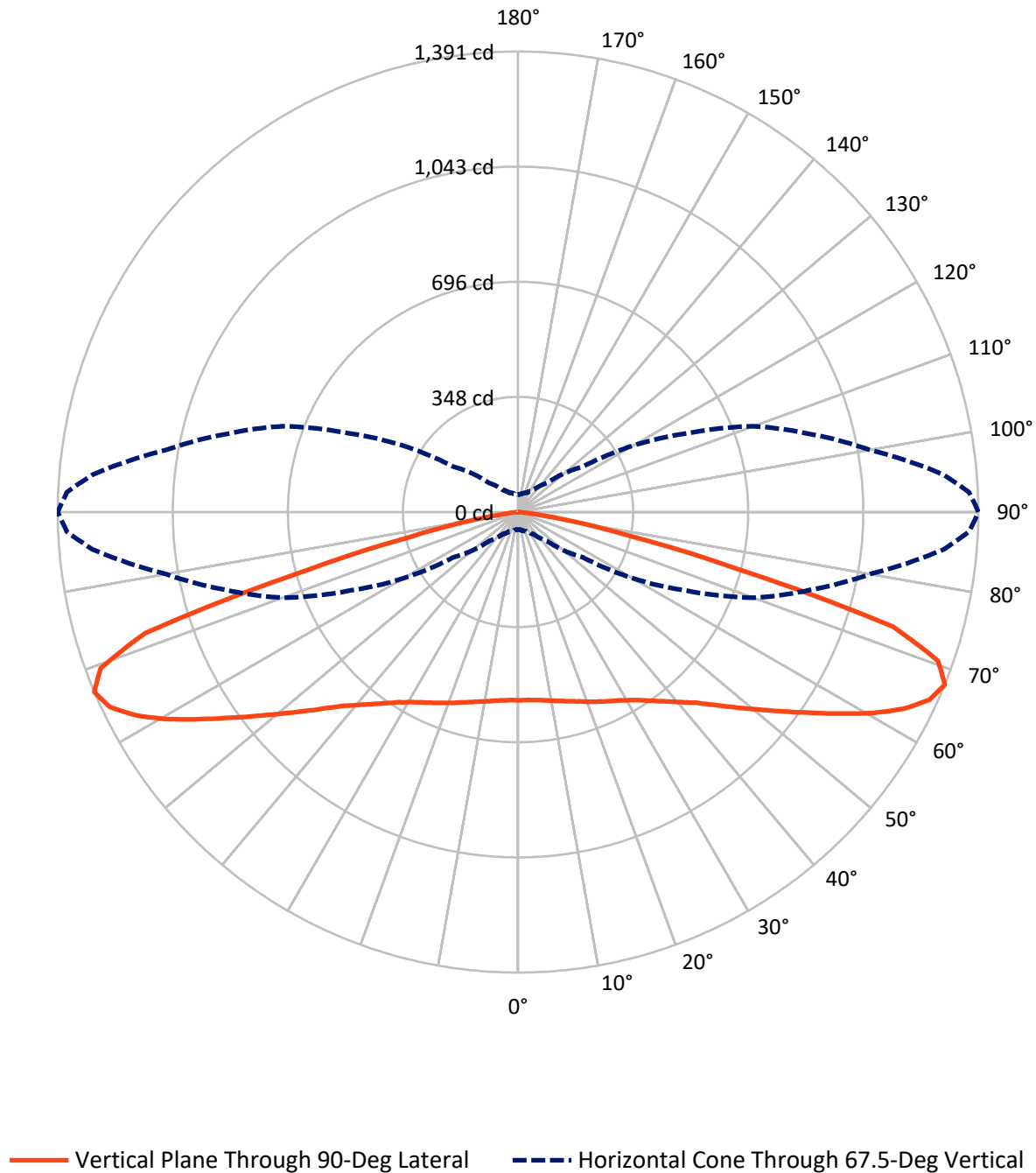
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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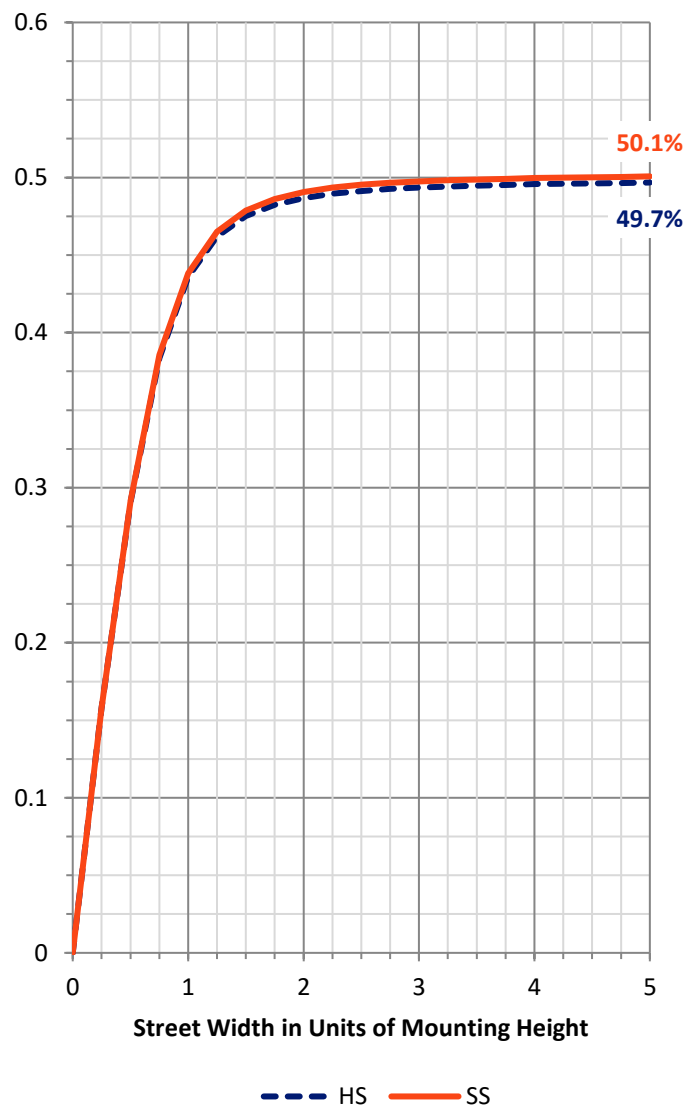
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.2	0.0	1146.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1146.2	0.0	1146.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2292.4	0.0	2292.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	2.4
10°-20°	164.4	7.2
20°-30°	273.4	11.9
30°-40°	363.1	15.8
40°-50°	409.4	17.9
50°-60°	421.0	18.4
60°-70°	397.8	17.4
70°-80°	194.8	8.5
80°-90°	13.9	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°	2292.4	100.0
0°-180°	2292.4	100.0

Coefficient of Utilization



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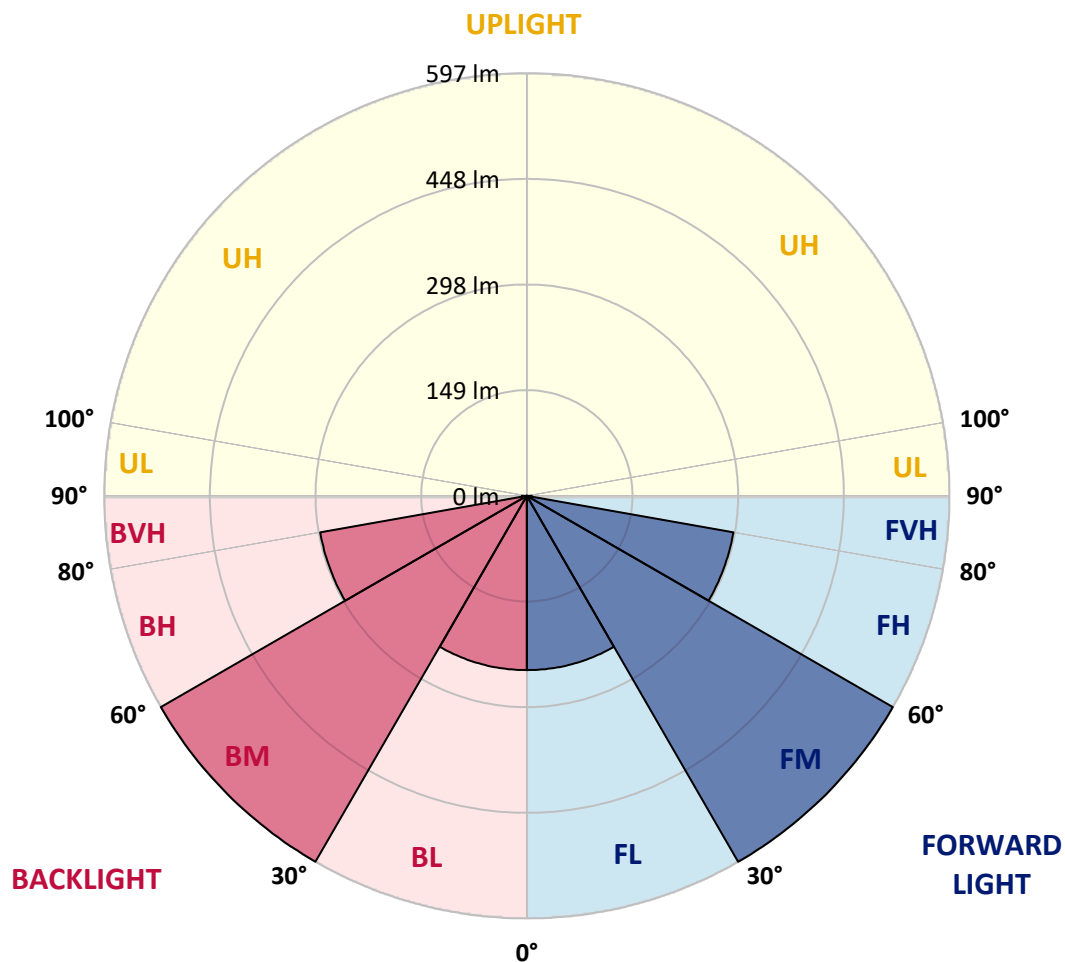
CATALOG NUMBER: GKO-PB1C-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	246.2	10.7			
FM	(30°-60°)	596.8	26.0			
FH	(60°-80°)	296.3	12.9			G0/660
FVH	(80°-90°)	7.0	0.3			G0/10
BL	(0°-30°)	246.2	10.7	B1/500		
BM	(30°-60°)	596.8	26.0	B1/1000		
BH	(60°-80°)	296.3	12.9	B1/500		G1/500
BVH	(80°-90°)	7.0	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°	568.8	568.8	568.8	568.8	568.8	568.8	568.8	568.8	568.8	568.8	568.8
2.5°	569.2	570.1	568.4	568.4	569.2	569.7	569.7	570.1	569.2	569.2	568.8
5°	569.2	569.7	568.8	568.8	569.7	570.9	570.5	571.4	571.4	570.9	570.9
7.5°	568.8	569.7	568.8	569.2	570.5	573.0	573.0	573.0	573.9	574.7	574.7
10°	568.4	569.2	569.7	570.1	571.8	575.6	576.4	576.9	578.1	579.4	579.4
12.5°	566.3	567.1	568.4	570.1	573.0	578.1	579.8	581.1	583.2	584.5	585.3
15°	563.3	563.8	566.7	570.1	574.7	581.1	584.5	586.6	589.5	591.2	592.5
17.5°	559.1	559.5	564.2	569.2	576.0	584.9	590.4	593.8	596.7	599.2	600.9
20°	553.6	554.9	560.4	568.4	578.1	588.7	596.7	602.6	605.6	608.1	610.7
22.5°	546.8	548.1	554.9	566.3	580.2	593.8	604.3	611.9	615.7	619.1	622.1
25°	536.7	538.4	546.4	561.2	581.1	599.2	612.8	622.5	625.9	630.1	632.6
27.5°	521.1	522.3	532.1	551.1	578.5	605.2	622.5	633.9	637.7	642.4	644.9
30°	496.6	499.1	510.9	534.6	572.2	609.8	633.9	645.3	650.0	654.6	658.0
32.5°	464.9	468.7	481.8	512.2	559.9	611.5	646.2	659.3	665.2	670.2	674.5
35°	425.6	429.4	445.0	483.5	540.5	608.1	658.4	675.3	682.5	689.3	694.3
37.5°	380.8	384.1	403.2	447.1	512.6	597.6	668.1	693.1	702.8	711.7	718.4
40°	335.5	339.3	360.1	407.0	478.8	577.3	672.4	712.5	724.8	736.2	744.6
42.5°	286.5	291.2	314.4	364.3	439.5	549.4	669.0	731.5	746.7	762.4	775.1
45°	243.0	243.8	269.2	317.4	396.4	513.5	657.1	749.7	770.4	792.4	810.5
47.5°	201.2	202.8	224.8	272.6	351.6	472.9	635.6	764.1	797.0	825.3	852.0
50°	164.0	166.1	185.9	228.6	306.8	428.5	606.4	772.5	819.8	858.3	895.5
52.5°	133.5	136.1	152.6	190.2	261.6	382.0	570.5	773.8	840.6	891.3	940.7
55°	111.1	112.8	125.5	155.5	218.1	333.9	529.5	767.4	854.1	920.8	986.8
57.5°	93.8	95.5	104.4	128.0	178.8	284.4	479.7	752.7	861.3	946.6	1033.3
60°	81.6	82.8	89.2	106.1	147.1	237.9	426.0	726.5	859.1	962.7	1071.7
62.5°	72.7	73.1	78.6	90.4	121.3	194.0	365.6	687.1	841.8	964.8	1097.9
65°	64.7	65.1	68.5	76.9	99.7	155.9	302.6	633.1	808.9	950.0	1101.7
67.5°	52.4	53.2	58.3	64.7	82.0	123.4	238.3	562.1	757.3	911.6	1080.2
70°	41.8	42.3	47.3	54.5	66.8	97.2	183.0	466.6	676.6	849.0	1024.4
72.5°	31.3	32.1	36.8	44.0	54.5	75.2	132.3	352.9	540.9	715.9	892.1
75°	24.9	25.4	27.0	33.8	42.3	57.1	89.2	213.8	325.8	442.9	546.8
77.5°	21.1	21.6	21.6	26.2	31.3	38.5	47.3	84.9	137.8	196.1	259.9
80°	17.3	18.2	16.5	19.4	22.4	22.4	22.0	40.6	65.1	92.1	120.9
82.5°	12.7	13.5	12.7	13.5	13.5	12.3	11.4	15.2	20.7	28.3	30.8
85°	8.9	9.3	10.1	9.3	8.9	7.2	5.5	4.2	2.5	3.0	4.2
87.5°	5.9	7.2	8.5	8.0	6.8	5.5	3.8	2.5	1.3	1.7	1.7
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°	568.8	568.8	568.8
2.5°	569.2	568.8	568.4
5°	571.4	570.9	570.5
7.5°	574.3	574.3	574.3
10°	579.0	579.8	579.8
12.5°	584.9	585.7	585.7
15°	592.1	592.5	593.3
17.5°	600.9	601.4	601.4
20°	611.5	611.1	611.9
22.5°	622.1	622.1	622.1
25°	633.1	633.1	633.1
27.5°	645.7	645.7	644.9
30°	659.7	659.7	659.7
32.5°	676.6	677.0	677.4
35°	698.1	699.0	700.3
37.5°	722.6	724.8	726.0
40°	751.8	752.7	754.8
42.5°	784.3	786.9	787.3
45°	824.9	829.1	830.8
47.5°	872.7	878.6	881.5
50°	925.9	932.7	936.9
52.5°	983.8	994.8	999.9
55°	1045.5	1064.5	1070.0
57.5°	1115.2	1141.0	1148.6
60°	1183.7	1220.1	1232.3
62.5°	1242.0	1293.2	1308.4
65°	1283.0	1344.7	1367.1
67.5°	1291.5	1364.6	1391.2
70°	1240.8	1315.6	1346.4
72.5°	1078.9	1146.5	1185.0
75°	637.3	685.9	674.0
77.5°	319.9	333.9	336.0
80°	140.3	148.8	152.1
82.5°	34.7	35.5	40.1
85°	4.6	5.5	5.1
87.5°	1.7	1.7	2.1
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: SP3-2511-595-2

Test Date: 11/12/2025

Luminaire Tested: GKO-PB1C-827-U-T4W

Data in this report applies to families of products including GKO-PB1C-827*

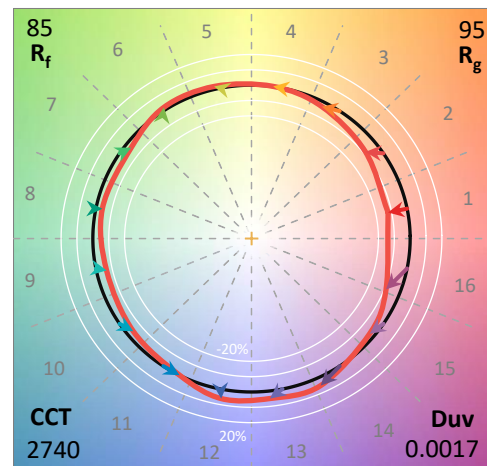
Test Information

Test Method: LM-79-2019
 Report Number: SP3-2511-595-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP3 - 3M SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/27/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-827-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 2740
 CIE u' : 0.2602
 CIE v' : 0.5290
 Duv: 0.0017
 CIE x: 0.4595
 CIE y: 0.4151
 CIE z: 0.1255
 Peak Wavelength (nm): 605
 Dominant Wavelength (nm): 583
 Purity: 62.5206
 R_f: 84.8
 R_g: 94.5

CRI (Ra): 81.1
 R1: 79.2
 R2: 90.4
 R3: 95.8
 R4: 79.2
 R5: 79.6
 R6: 89.5
 R7: 81.1
 R8: 54.5
 R9: -0.3
 R10: 79.1
 R11: 79.0
 R12: 72.7
 R13: 81.7
 R14: 98.3
 R15: 70.3



Test Conditions

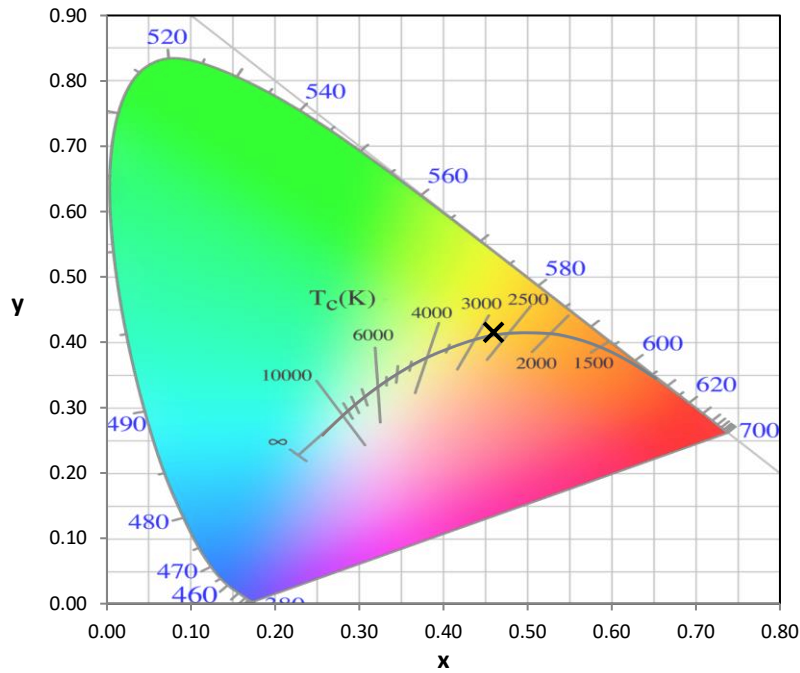
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

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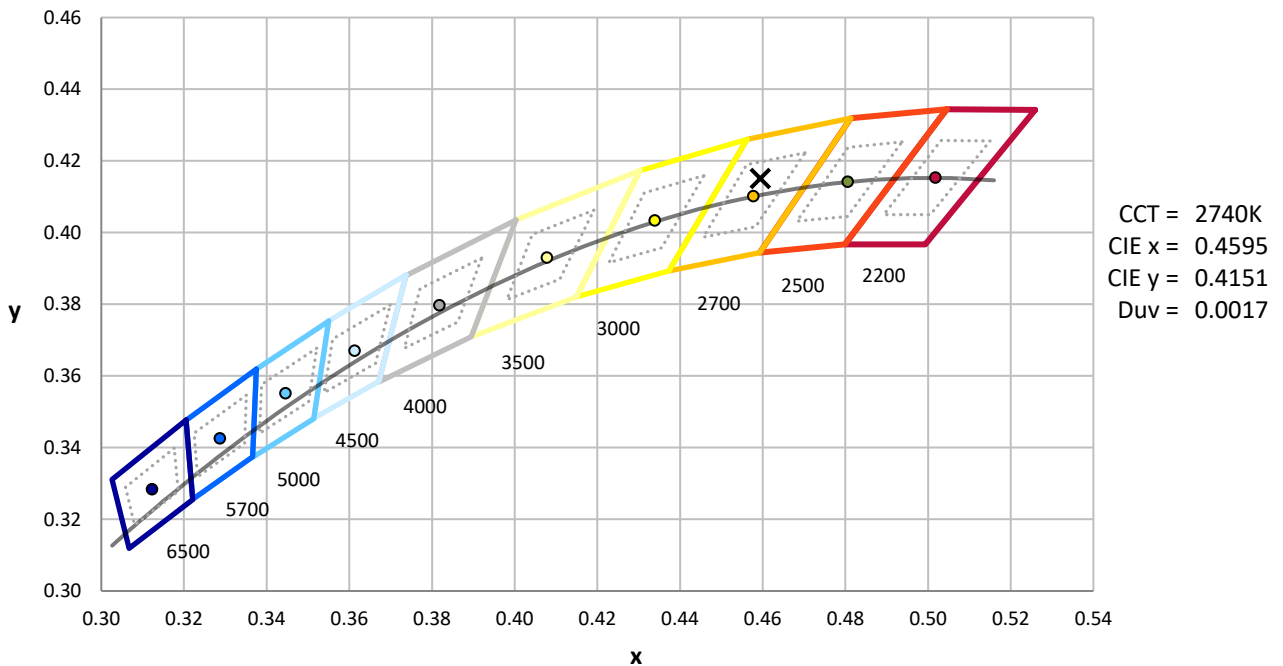
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

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CIE 1931 Chromaticity Diagram



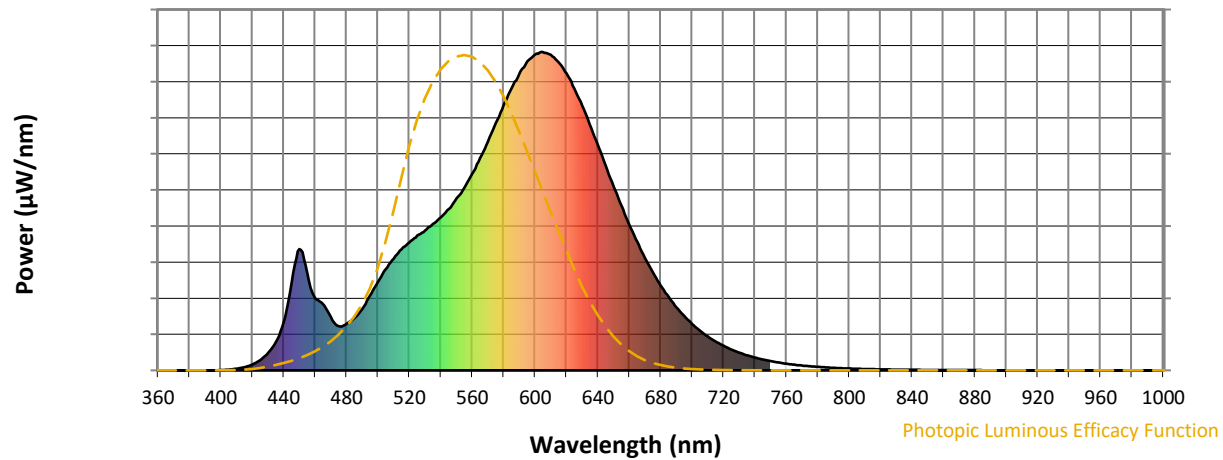
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

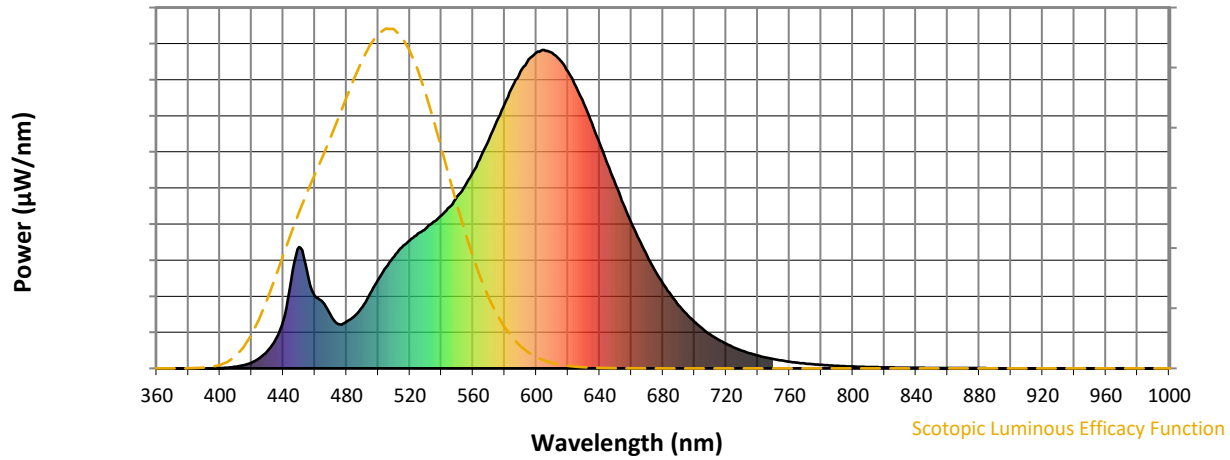


Photopic Lumens: NR

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	193	NR	620	932	NR	750	29	NR	880	1	NR
365	0	NR	495	235	NR	625	886	NR	755	25	NR	885	1	NR
370	0	NR	500	278	NR	630	832	NR	760	21	NR	890	0	NR
375	0	NR	505	318	NR	635	771	NR	765	18	NR	895	0	NR
380	0	NR	510	351	NR	640	708	NR	770	15	NR	900	0	NR
385	0	NR	515	380	NR	645	642	NR	775	13	NR	905	0	NR
390	0	NR	520	402	NR	650	578	NR	780	11	NR	910	0	NR
395	0	NR	525	423	NR	655	517	NR	785	9	NR	915	0	NR
400	1	NR	530	440	NR	660	457	NR	790	8	NR	920	0	NR
405	2	NR	535	460	NR	665	404	NR	795	7	NR	925	0	NR
410	5	NR	540	480	NR	670	352	NR	800	6	NR	930	0	NR
415	10	NR	545	507	NR	675	308	NR	805	5	NR	935	0	NR
420	19	NR	550	539	NR	680	267	NR	810	4	NR	940	0	NR
425	32	NR	555	574	NR	685	231	NR	815	4	NR	945	0	NR
430	55	NR	560	617	NR	690	198	NR	820	3	NR	950	0	NR
435	90	NR	565	668	NR	695	171	NR	825	3	NR	955	0	NR
440	151	NR	570	718	NR	700	146	NR	830	2	NR	960	0	NR
445	275	NR	575	777	NR	705	124	NR	835	2	NR	965	0	NR
450	381	NR	580	832	NR	710	106	NR	840	2	NR	970	0	NR
455	304	NR	585	886	NR	715	90	NR	845	2	NR	975	0	NR
460	227	NR	590	933	NR	720	77	NR	850	1	NR	980	0	NR
465	208	NR	595	970	NR	725	66	NR	855	1	NR	985	0	NR
470	167	NR	600	992	NR	730	56	NR	860	1	NR	990	0	NR
475	138	NR	605	1000	NR	735	47	NR	865	1	NR	995	0	NR
480	146	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	164	NR	615	969	NR	745	34	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



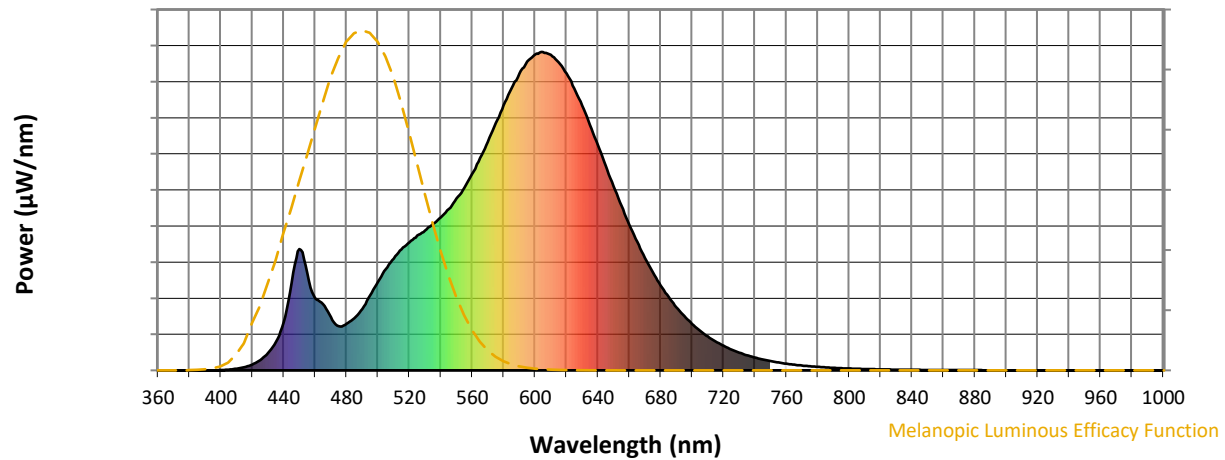
Scotopic Lumens: NR

S/P: 1.22

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	193	NR	620	932	NR	750	29	NR	880	1	NR
365	0	NR	495	235	NR	625	886	NR	755	25	NR	885	1	NR
370	0	NR	500	278	NR	630	832	NR	760	21	NR	890	0	NR
375	0	NR	505	318	NR	635	771	NR	765	18	NR	895	0	NR
380	0	NR	510	351	NR	640	708	NR	770	15	NR	900	0	NR
385	0	NR	515	380	NR	645	642	NR	775	13	NR	905	0	NR
390	0	NR	520	402	NR	650	578	NR	780	11	NR	910	0	NR
395	0	NR	525	423	NR	655	517	NR	785	9	NR	915	0	NR
400	1	NR	530	440	NR	660	457	NR	790	8	NR	920	0	NR
405	2	NR	535	460	NR	665	404	NR	795	7	NR	925	0	NR
410	5	NR	540	480	NR	670	352	NR	800	6	NR	930	0	NR
415	10	NR	545	507	NR	675	308	NR	805	5	NR	935	0	NR
420	19	NR	550	539	NR	680	267	NR	810	4	NR	940	0	NR
425	32	NR	555	574	NR	685	231	NR	815	4	NR	945	0	NR
430	55	NR	560	617	NR	690	198	NR	820	3	NR	950	0	NR
435	90	NR	565	668	NR	695	171	NR	825	3	NR	955	0	NR
440	151	NR	570	718	NR	700	146	NR	830	2	NR	960	0	NR
445	275	NR	575	777	NR	705	124	NR	835	2	NR	965	0	NR
450	381	NR	580	832	NR	710	106	NR	840	2	NR	970	0	NR
455	304	NR	585	886	NR	715	90	NR	845	2	NR	975	0	NR
460	227	NR	590	933	NR	720	77	NR	850	1	NR	980	0	NR
465	208	NR	595	970	NR	725	66	NR	855	1	NR	985	0	NR
470	167	NR	600	992	NR	730	56	NR	860	1	NR	990	0	NR
475	138	NR	605	1000	NR	735	47	NR	865	1	NR	995	0	NR
480	146	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	164	NR	615	969	NR	745	34	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.26

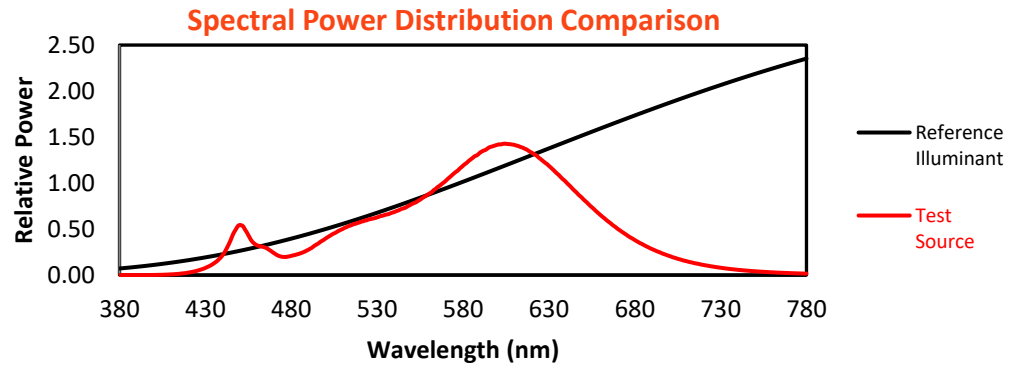
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	193	NR	620	932	NR	750	29	NR	880	1	NR
365	0	NR	495	235	NR	625	886	NR	755	25	NR	885	1	NR
370	0	NR	500	278	NR	630	832	NR	760	21	NR	890	0	NR
375	0	NR	505	318	NR	635	771	NR	765	18	NR	895	0	NR
380	0	NR	510	351	NR	640	708	NR	770	15	NR	900	0	NR
385	0	NR	515	380	NR	645	642	NR	775	13	NR	905	0	NR
390	0	NR	520	402	NR	650	578	NR	780	11	NR	910	0	NR
395	0	NR	525	423	NR	655	517	NR	785	9	NR	915	0	NR
400	1	NR	530	440	NR	660	457	NR	790	8	NR	920	0	NR
405	2	NR	535	460	NR	665	404	NR	795	7	NR	925	0	NR
410	5	NR	540	480	NR	670	352	NR	800	6	NR	930	0	NR
415	10	NR	545	507	NR	675	308	NR	805	5	NR	935	0	NR
420	19	NR	550	539	NR	680	267	NR	810	4	NR	940	0	NR
425	32	NR	555	574	NR	685	231	NR	815	4	NR	945	0	NR
430	55	NR	560	617	NR	690	198	NR	820	3	NR	950	0	NR
435	90	NR	565	668	NR	695	171	NR	825	3	NR	955	0	NR
440	151	NR	570	718	NR	700	146	NR	830	2	NR	960	0	NR
445	275	NR	575	777	NR	705	124	NR	835	2	NR	965	0	NR
450	381	NR	580	832	NR	710	106	NR	840	2	NR	970	0	NR
455	304	NR	585	886	NR	715	90	NR	845	2	NR	975	0	NR
460	227	NR	590	933	NR	720	77	NR	850	1	NR	980	0	NR
465	208	NR	595	970	NR	725	66	NR	855	1	NR	985	0	NR
470	167	NR	600	992	NR	730	56	NR	860	1	NR	990	0	NR
475	138	NR	605	1000	NR	735	47	NR	865	1	NR	995	0	NR
480	146	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	164	NR	615	969	NR	745	34	NR	875	1	NR			

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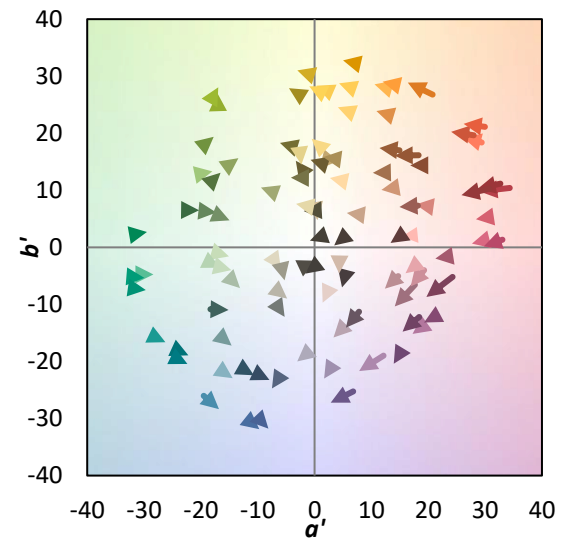
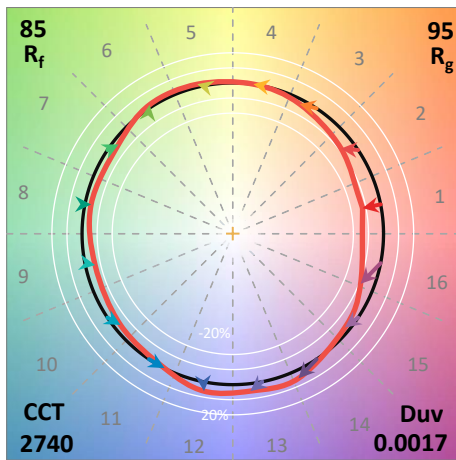
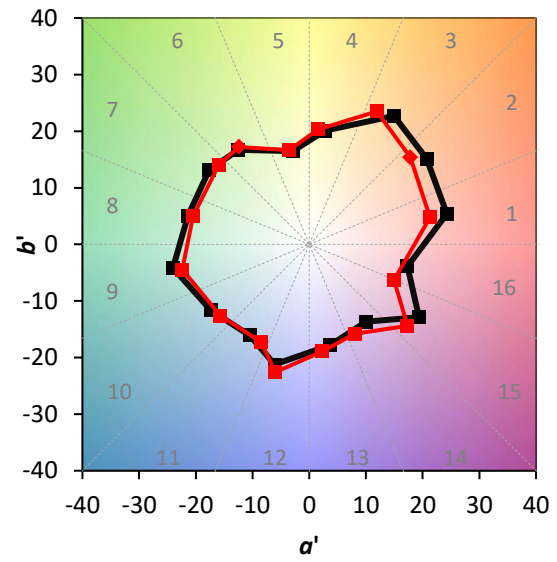
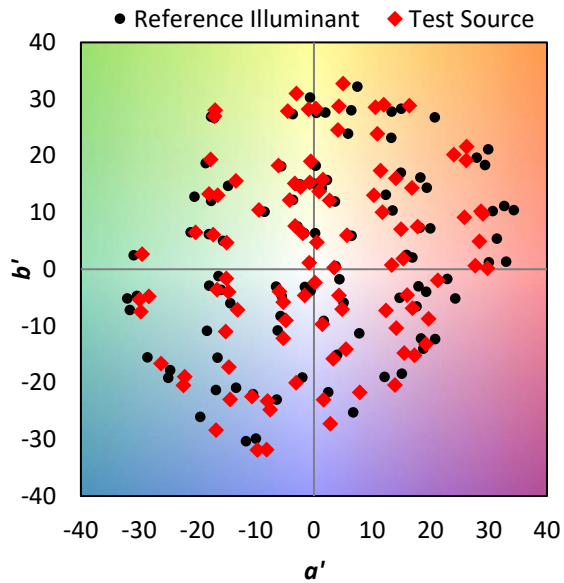
TM-30-18

Summary

$R_f = 84.8$
 $R_g = 94.5$
 $CIE R_a = 81.1$
 $R_g = -0.3$

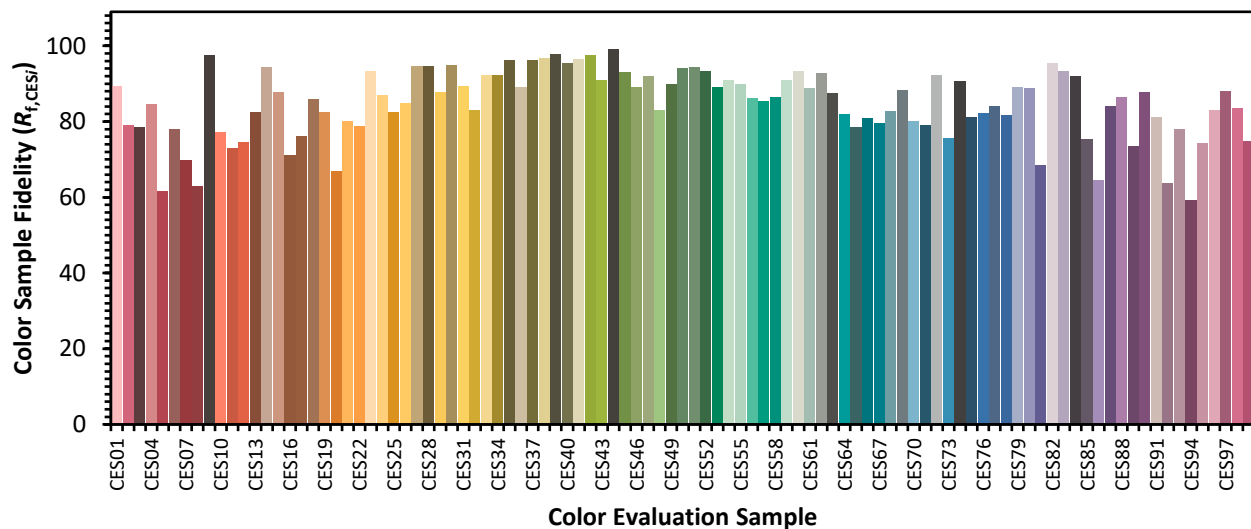


Color Vector Graphics

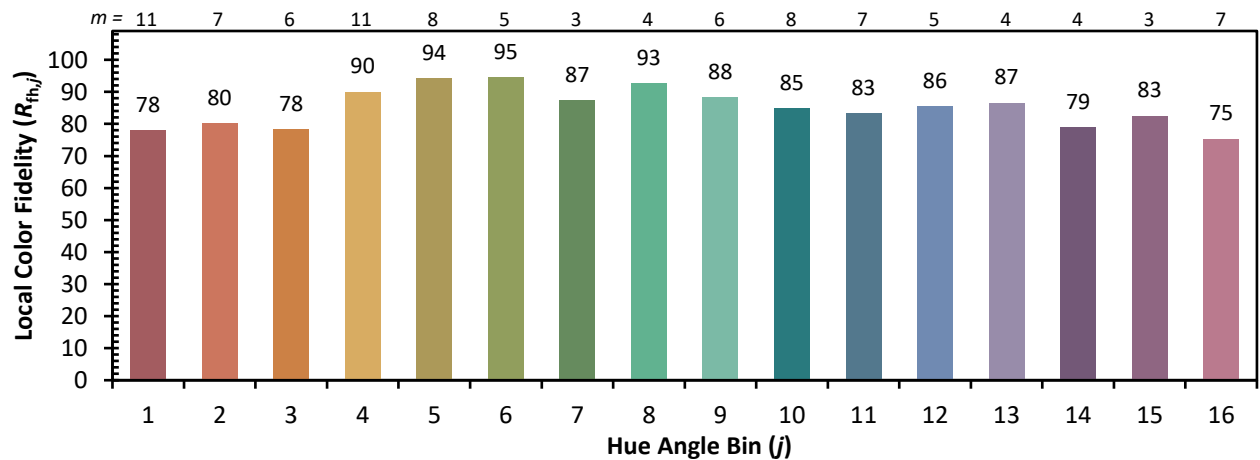
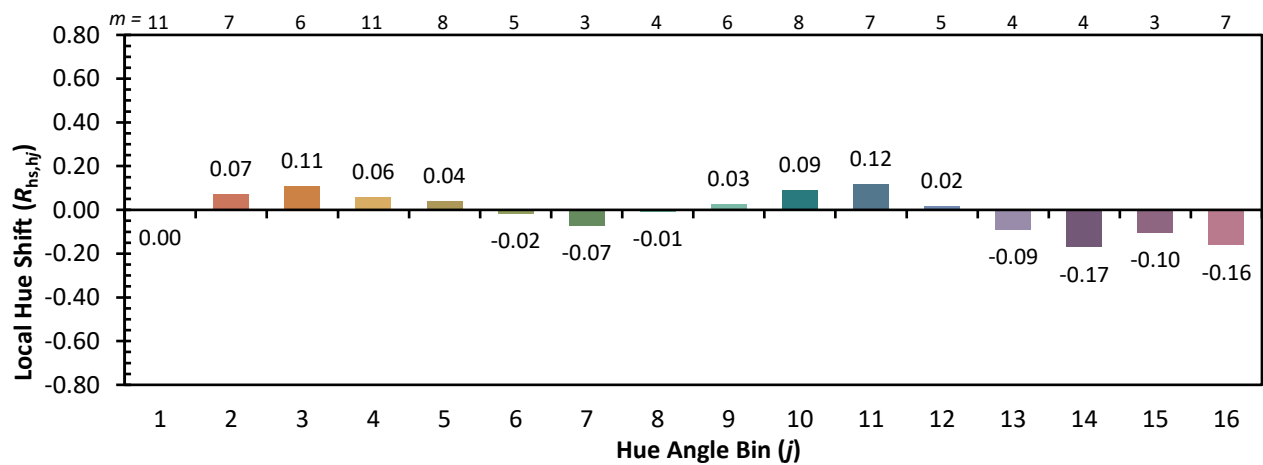
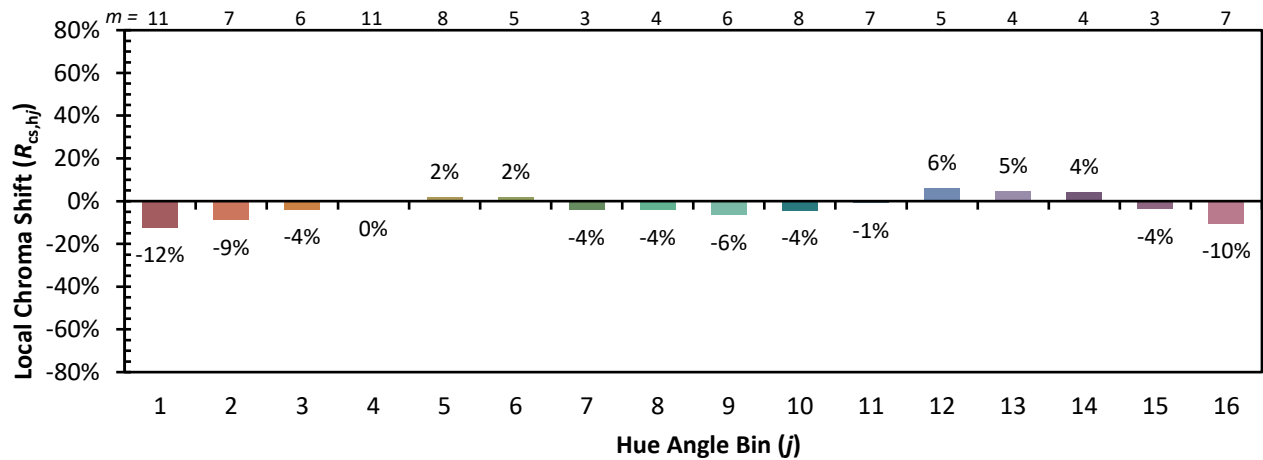


Individual Sample Fidelity Index ($R_{f,i}$)

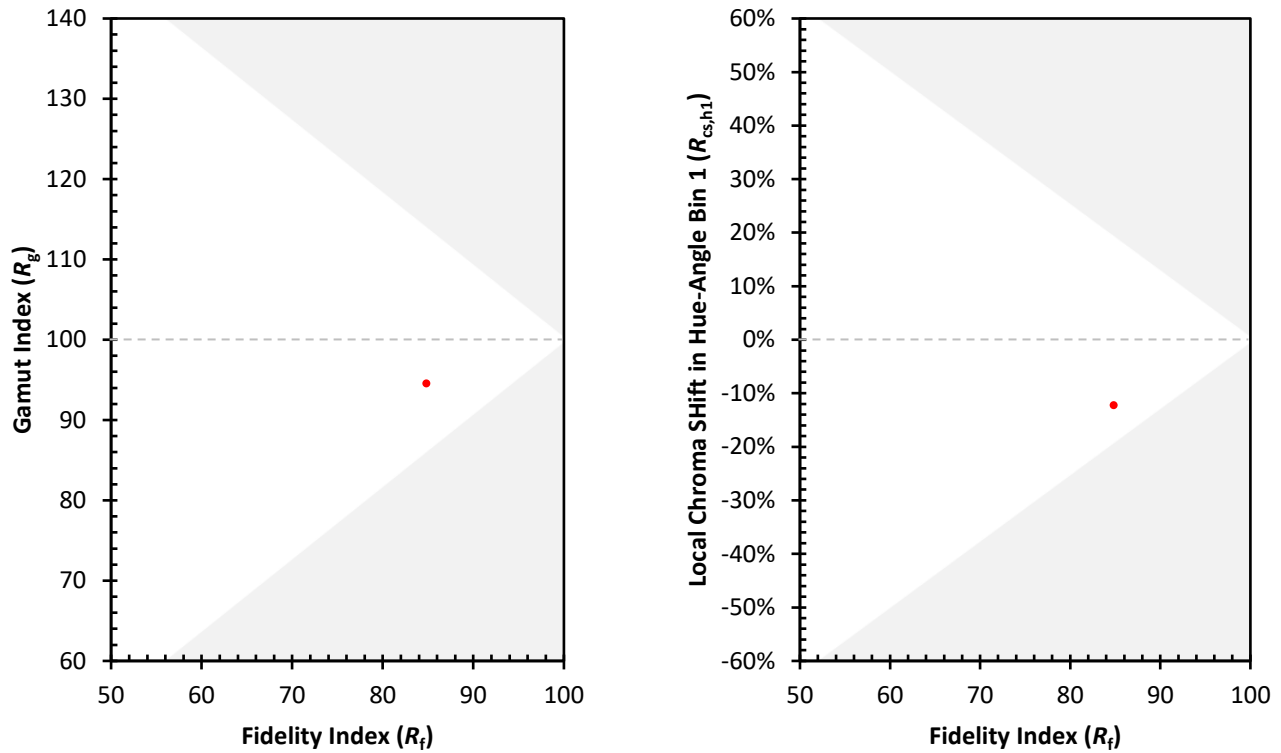
CES01 = 86	CES26 = 85	CES51 = 94	CES76 = 82
CES02 = 63	CES27 = 95	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 95	CES53 = 89	CES78 = 82
CES04 = 71	CES29 = 88	CES54 = 91	CES79 = 89
CES05 = 50	CES30 = 95	CES55 = 90	CES80 = 89
CES06 = 52	CES31 = 89	CES56 = 86	CES81 = 68
CES07 = 43	CES32 = 83	CES57 = 85	CES82 = 96
CES08 = 41	CES33 = 92	CES58 = 86	CES83 = 93
CES09 = 29	CES34 = 92	CES59 = 91	CES84 = 92
CES10 = 77	CES35 = 96	CES60 = 93	CES85 = 75
CES11 = 60	CES36 = 89	CES61 = 89	CES86 = 65
CES12 = 66	CES37 = 96	CES62 = 93	CES87 = 84
CES13 = 44	CES38 = 97	CES63 = 87	CES88 = 86
CES14 = 74	CES39 = 98	CES64 = 82	CES89 = 73
CES15 = 72	CES40 = 95	CES65 = 79	CES90 = 88
CES16 = 48	CES41 = 96	CES66 = 81	CES91 = 81
CES17 = 50	CES42 = 98	CES67 = 80	CES92 = 64
CES18 = 57	CES43 = 91	CES68 = 83	CES93 = 78
CES19 = 73	CES44 = 99	CES69 = 88	CES94 = 59
CES20 = 67	CES45 = 93	CES70 = 80	CES95 = 74
CES21 = 87	CES46 = 89	CES71 = 79	CES96 = 83
CES22 = 79	CES47 = 92	CES72 = 92	CES97 = 88
CES23 = 92	CES48 = 83	CES73 = 76	CES98 = 84
CES24 = 91	CES49 = 90	CES74 = 91	CES99 = 75
CES25 = 72	CES50 = 94	CES75 = 81	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)