

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: P1212021

Luminaire Tested: **GKO-PB2A-827-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212021
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-827-U-T1
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

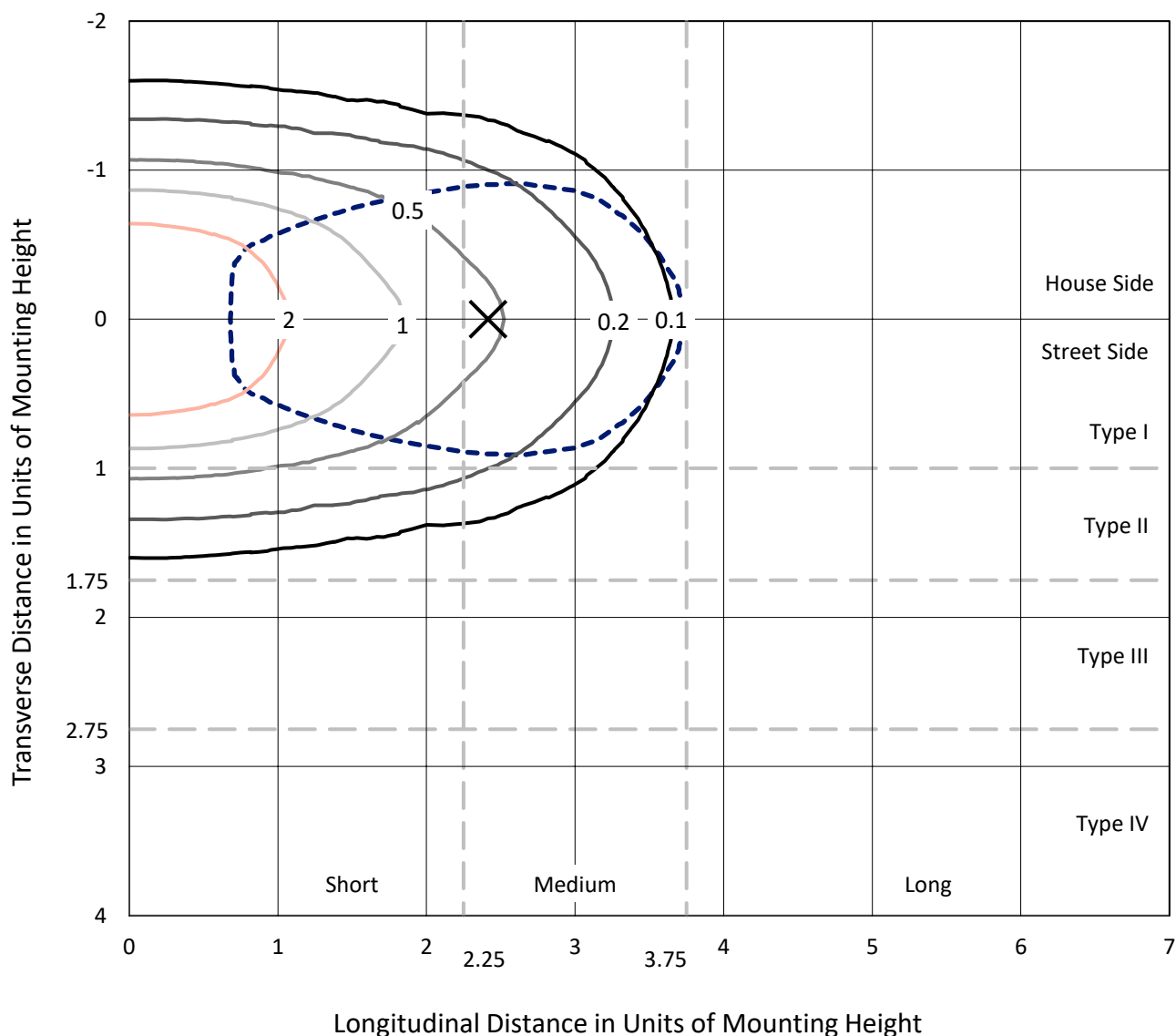
Lumens per Lamp: N/A
Luminaire Lumens: 3737.4 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 12%
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

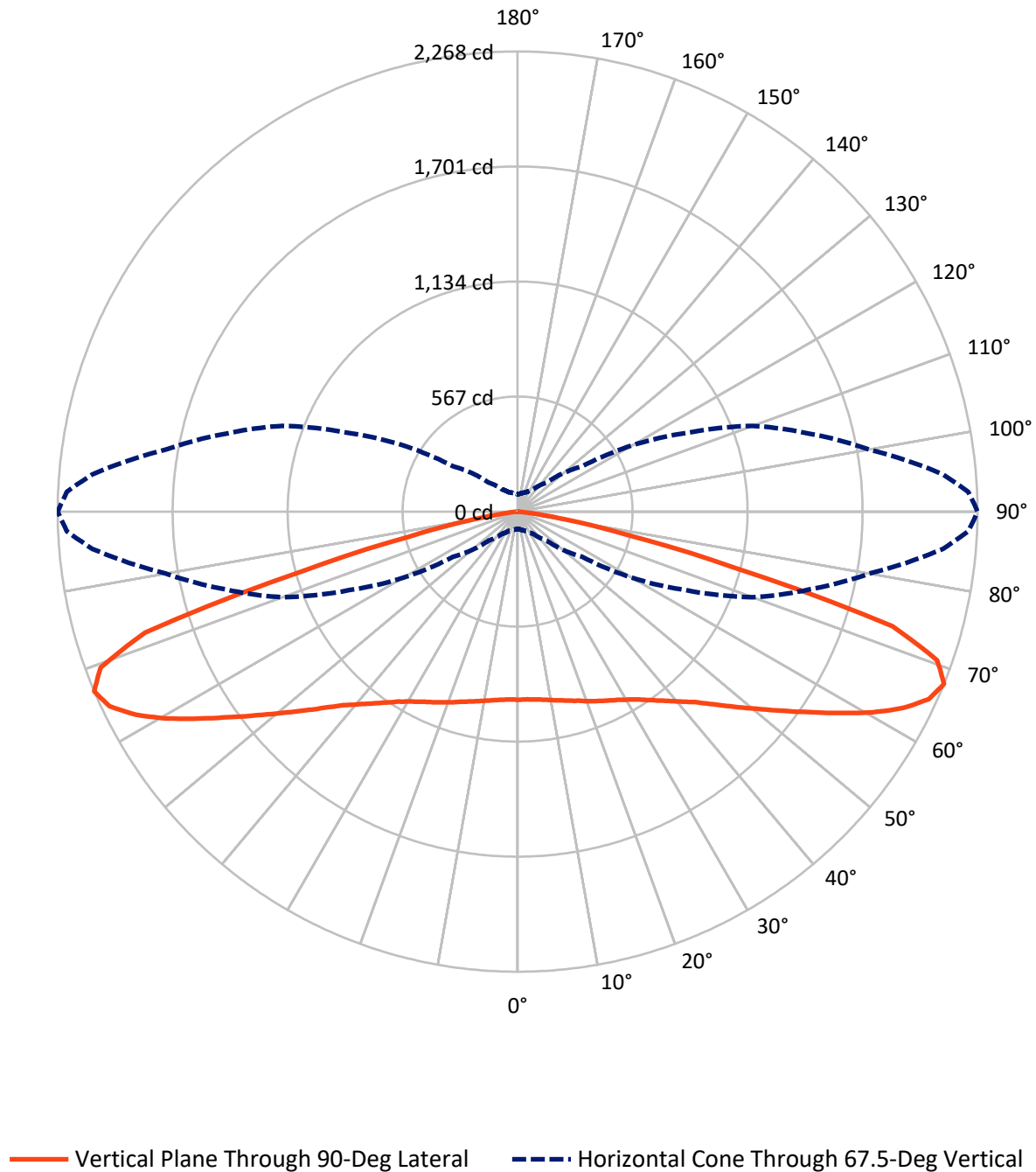
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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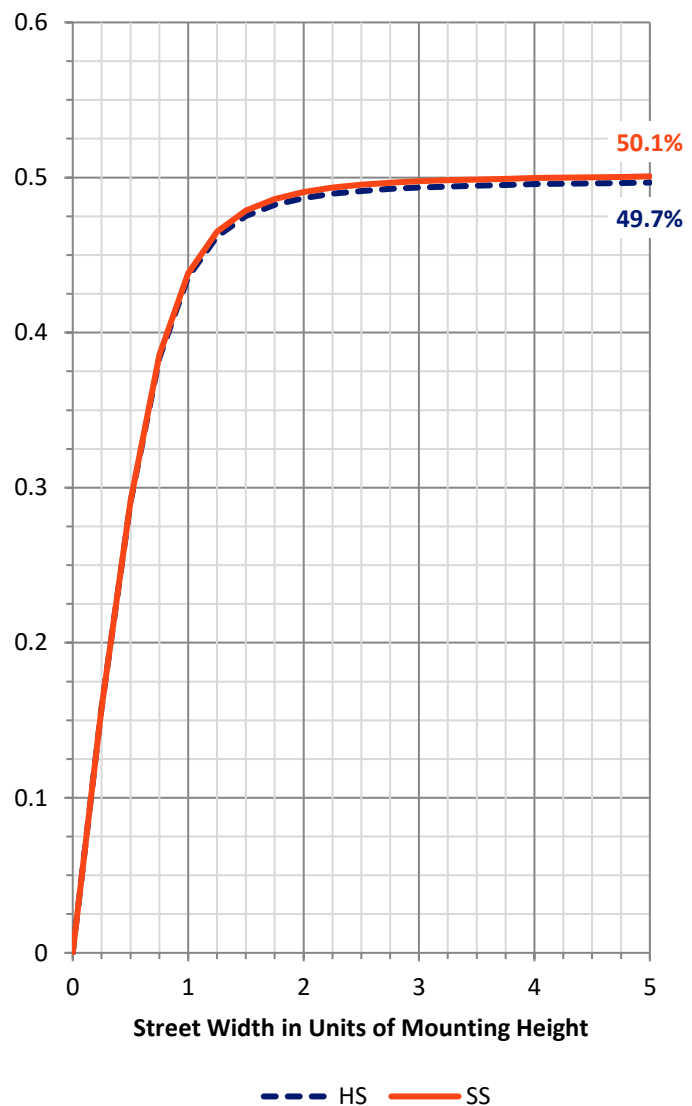
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1868.7	0.0	1868.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1868.7	0.0	1868.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3737.4	0.0	3737.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.4
10°-20°	268.0	7.2
20°-30°	445.7	11.9
30°-40°	592.1	15.8
40°-50°	667.5	17.9
50°-60°	686.4	18.4
60°-70°	648.6	17.4
70°-80°	317.5	8.5
80°-90°	22.7	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°	3737.4	100.0
0°-180°	3737.4	100.0

Coefficient of Utilization



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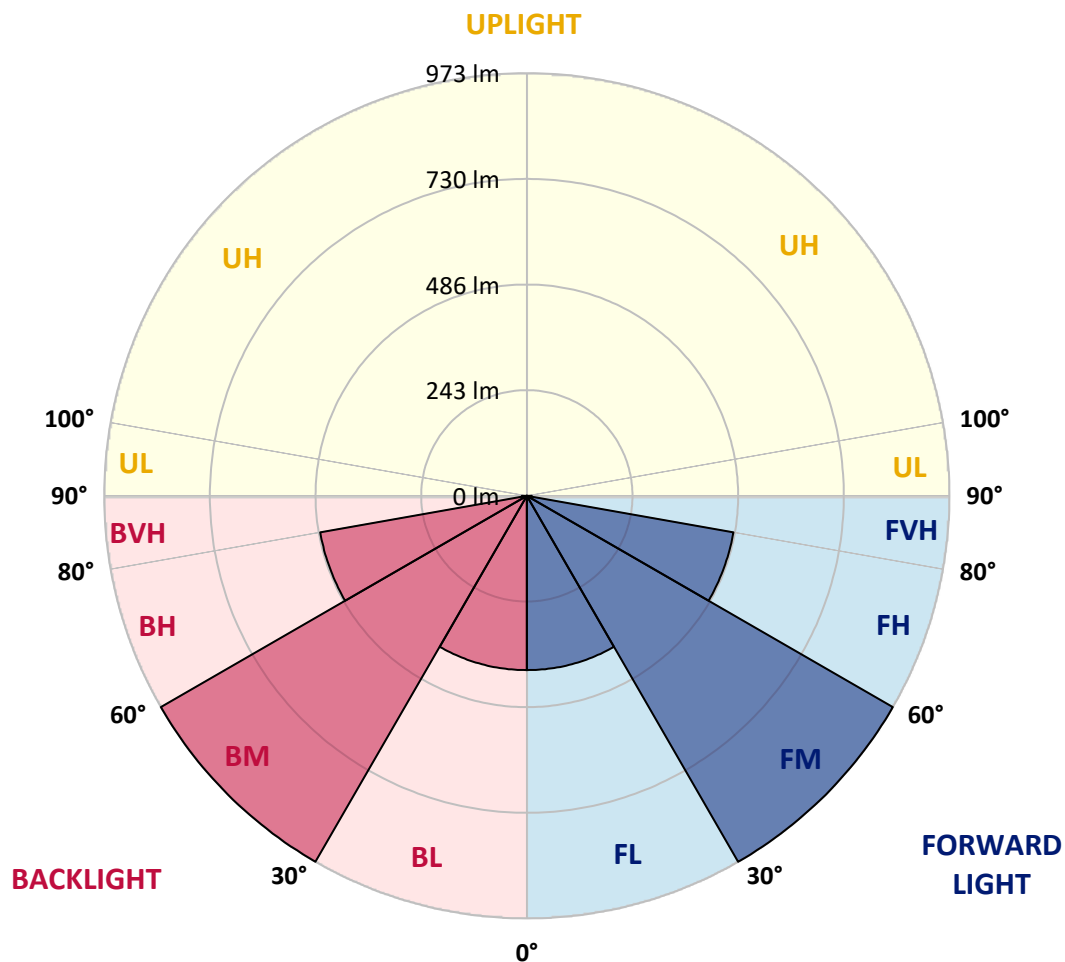
CATALOG NUMBER: GKO-PB2A-827-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.3	10.7			
FM	(30°-60°)	972.9	26.0			
FH	(60°-80°)	483.1	12.9			G0/660
FVH	(80°-90°)	11.4	0.3			G1/100
BL	(0°-30°)	401.3	10.7	B1/500		
BM	(30°-60°)	972.9	26.0	B1/1000		
BH	(60°-80°)	483.1	12.9	B1/500		G1/500
BVH	(80°-90°)	11.4	0.3			G1/100
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°	927.4	927.4	927.4	927.4	927.4	927.4	927.4	927.4	927.4	927.4	927.4
2.5°	928.1	929.5	926.7	926.7	928.1	928.8	928.8	929.5	928.1	928.1	927.4
5°	928.1	928.8	927.4	927.4	928.8	930.8	930.1	931.5	931.5	930.8	930.8
7.5°	927.4	928.8	927.4	928.1	930.1	934.3	934.3	934.3	935.7	937.0	937.0
10°	926.7	928.1	928.8	929.5	932.2	938.4	939.8	940.5	942.5	944.6	944.6
12.5°	923.3	924.6	926.7	929.5	934.3	942.5	945.3	947.4	950.8	952.9	954.3
15°	918.4	919.1	923.9	929.5	937.0	947.4	952.9	956.3	961.2	963.9	966.0
17.5°	911.5	912.2	919.8	928.1	939.1	953.6	962.5	968.0	972.9	977.0	979.8
20°	902.6	904.7	913.6	926.7	942.5	959.8	972.9	982.5	987.3	991.5	995.6
22.5°	891.6	893.6	904.7	923.3	946.0	968.0	985.3	997.7	1003.9	1009.4	1014.2
25°	875.0	877.8	890.9	915.0	947.4	977.0	999.0	1014.9	1020.4	1027.3	1031.4
27.5°	849.5	851.6	867.4	898.5	943.2	986.6	1014.9	1033.5	1039.7	1047.3	1051.4
30°	809.6	813.7	833.0	871.6	932.9	994.2	1033.5	1052.1	1059.7	1067.3	1072.8
32.5°	757.9	764.1	785.5	835.1	912.9	997.0	1053.5	1074.8	1084.5	1092.8	1099.6
35°	693.8	700.0	725.5	788.2	881.2	991.5	1073.5	1101.0	1112.7	1123.8	1132.0
37.5°	620.8	626.3	657.3	729.0	835.8	974.2	1089.3	1130.0	1145.8	1160.3	1171.3
40°	547.1	553.3	587.0	663.5	780.6	941.2	1096.2	1161.7	1181.6	1200.2	1214.0
42.5°	467.1	474.7	512.6	593.9	716.6	895.7	1090.7	1192.7	1217.5	1243.0	1263.6
45°	396.2	397.6	438.9	517.4	646.3	837.1	1071.4	1222.3	1256.0	1291.9	1321.5
47.5°	328.0	330.7	366.5	444.4	573.2	771.0	1036.3	1245.7	1299.5	1345.6	1389.0
50°	267.3	270.8	303.2	372.7	500.2	698.6	988.7	1259.5	1336.7	1399.4	1460.0
52.5°	217.7	221.9	248.7	310.0	426.5	622.9	930.1	1261.6	1370.4	1453.1	1533.7
55°	181.2	184.0	204.6	253.6	355.5	544.3	863.3	1251.2	1392.5	1501.3	1608.8
57.5°	153.0	155.7	170.2	208.8	291.4	463.7	782.0	1227.1	1404.2	1543.4	1684.6
60°	133.0	135.0	145.4	172.9	239.8	387.9	694.5	1184.4	1400.7	1569.5	1747.3
62.5°	118.5	119.2	128.2	147.4	197.7	316.3	596.0	1120.3	1372.5	1573.0	1790.0
65°	105.4	106.1	111.6	125.4	162.6	254.2	493.3	1032.1	1318.7	1548.9	1796.2
67.5°	85.4	86.8	95.1	105.4	133.7	201.2	388.6	916.4	1234.7	1486.2	1761.1
70°	68.2	68.9	77.2	88.9	108.9	158.5	298.3	760.7	1103.1	1384.2	1670.1
72.5°	51.0	52.4	59.9	71.7	88.9	122.6	215.7	575.3	881.9	1167.2	1454.5
75°	40.7	41.3	44.1	55.1	68.9	93.0	145.4	348.6	531.2	722.1	891.6
77.5°	34.4	35.1	35.1	42.7	51.0	62.7	77.2	138.5	224.6	319.7	423.7
80°	28.2	29.6	26.9	31.7	36.5	36.5	35.8	66.1	106.1	150.2	197.1
82.5°	20.7	22.0	20.7	22.0	22.0	20.0	18.6	24.8	33.8	46.2	50.3
85°	14.5	15.2	16.5	15.2	14.5	11.7	9.0	6.9	4.1	4.8	6.9
87.5°	9.6	11.7	13.8	13.1	11.0	9.0	6.2	4.1	2.1	2.8	2.8
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°	927.4	927.4	927.4
2.5°	928.1	927.4	926.7
5°	931.5	930.8	930.1
7.5°	936.3	936.3	936.3
10°	943.9	945.3	945.3
12.5°	953.6	955.0	955.0
15°	965.3	966.0	967.4
17.5°	979.8	980.4	980.4
20°	997.0	996.3	997.7
22.5°	1014.2	1014.2	1014.2
25°	1032.1	1032.1	1032.1
27.5°	1052.8	1052.8	1051.4
30°	1075.5	1075.5	1075.5
32.5°	1103.1	1103.8	1104.5
35°	1138.2	1139.6	1141.7
37.5°	1178.2	1181.6	1183.7
40°	1225.7	1227.1	1230.6
42.5°	1278.8	1282.9	1283.6
45°	1344.9	1351.8	1354.6
47.5°	1422.8	1432.4	1437.3
50°	1509.6	1520.6	1527.5
52.5°	1604.0	1621.9	1630.2
55°	1704.6	1735.6	1744.5
57.5°	1818.3	1860.3	1872.7
60°	1929.9	1989.1	2009.1
62.5°	2025.0	2108.3	2133.1
65°	2091.8	2192.4	2228.9
67.5°	2105.6	2224.8	2268.2
70°	2022.9	2144.9	2195.1
72.5°	1759.0	1869.3	1932.0
75°	1039.0	1118.2	1099.0
77.5°	521.6	544.3	547.8
80°	228.7	242.5	248.0
82.5°	56.5	57.9	65.5
85°	7.6	9.0	8.3
87.5°	2.8	2.8	3.4
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: 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*

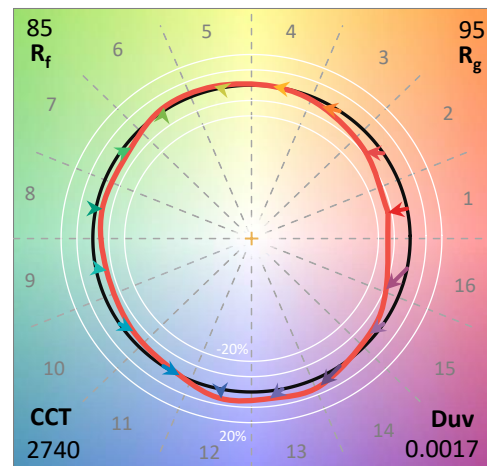
Test Information

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

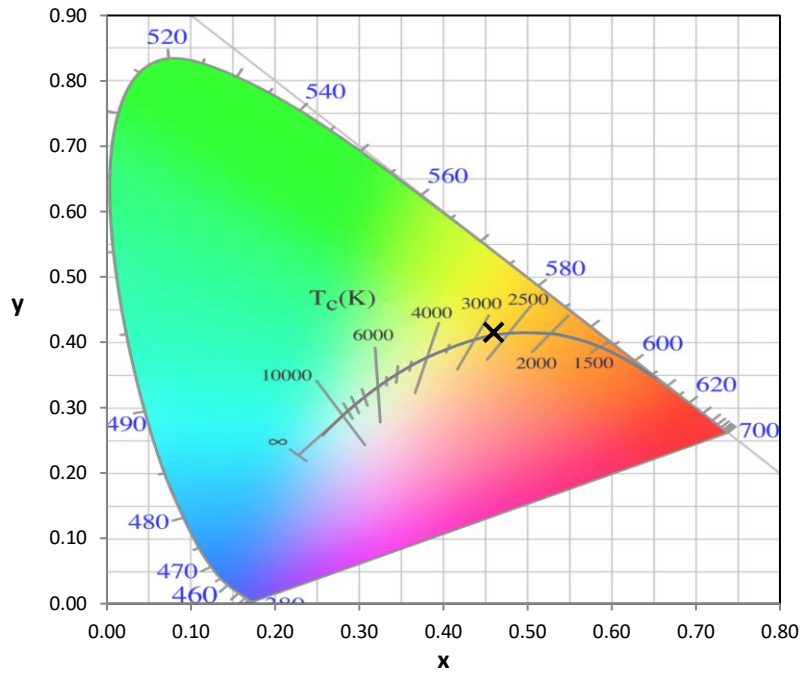
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

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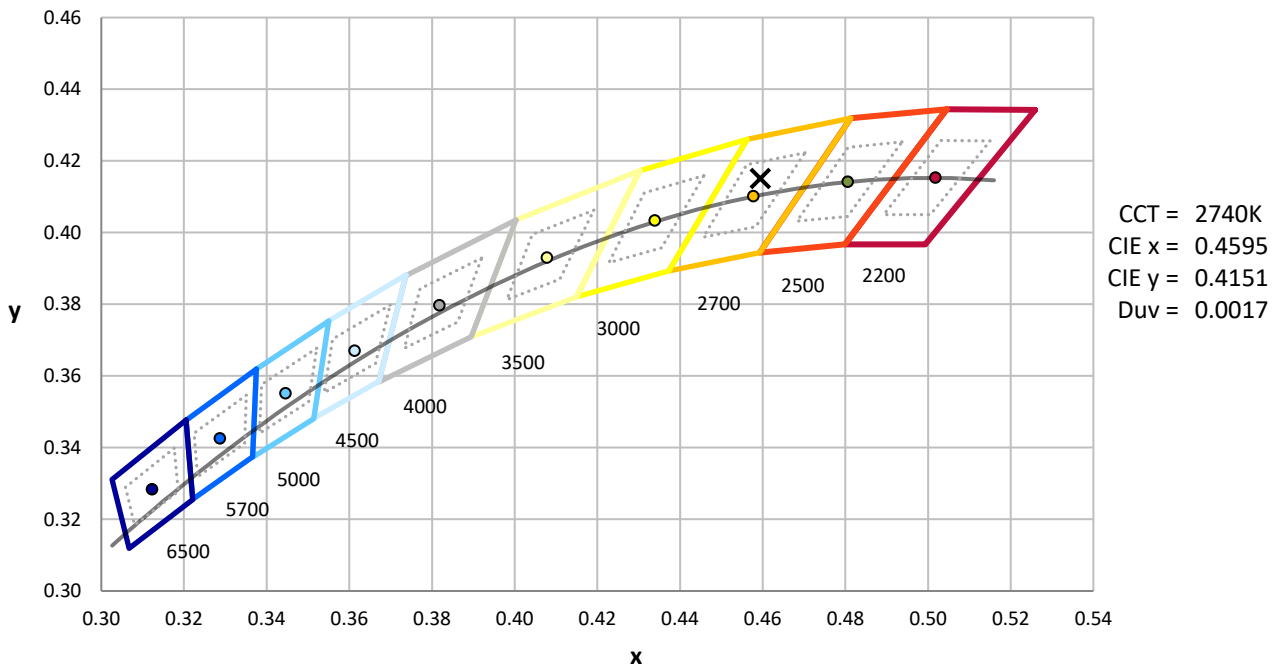
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

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CIE 1931 Chromaticity Diagram

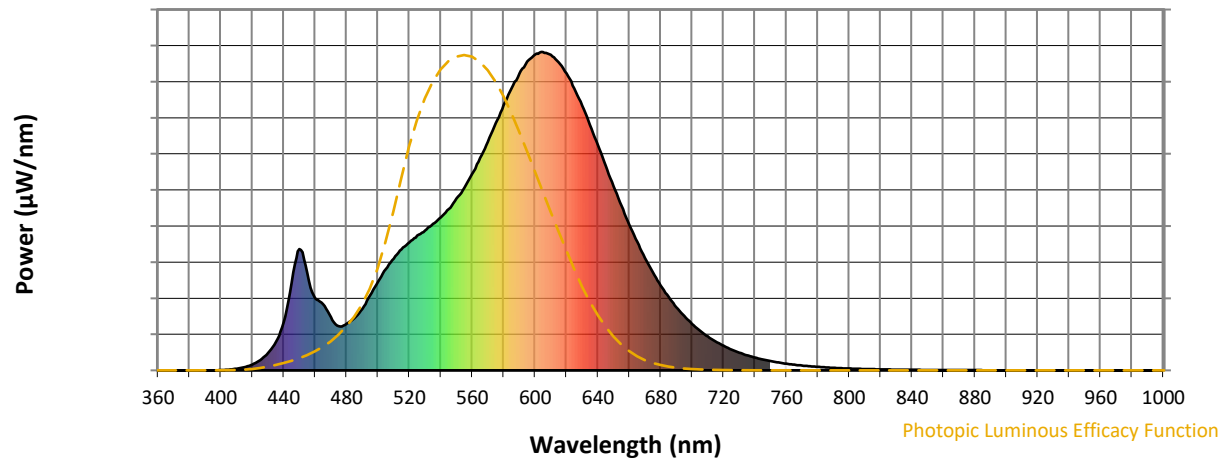


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

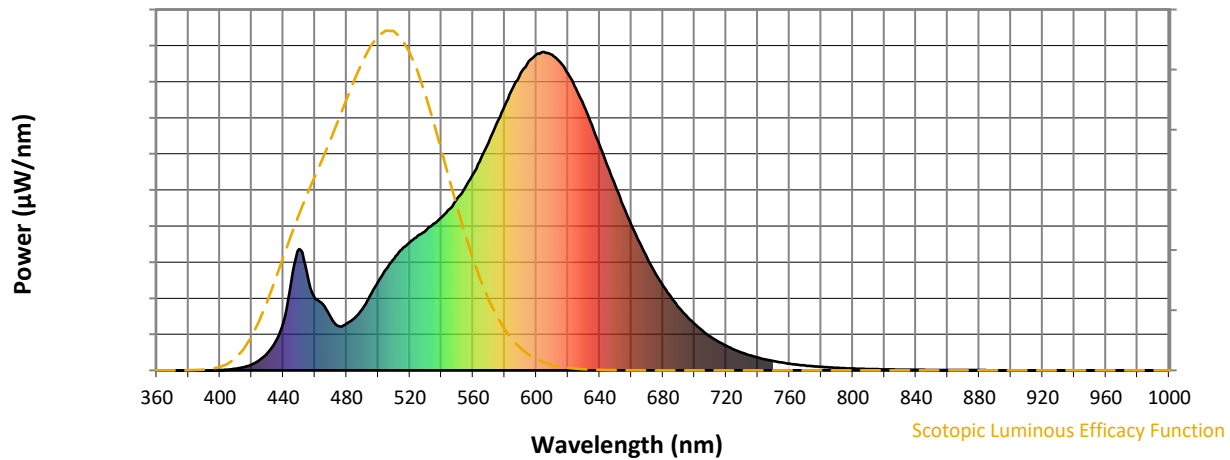


Photopic Lumens: NR

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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Scotopic Flux vs. Wavelength



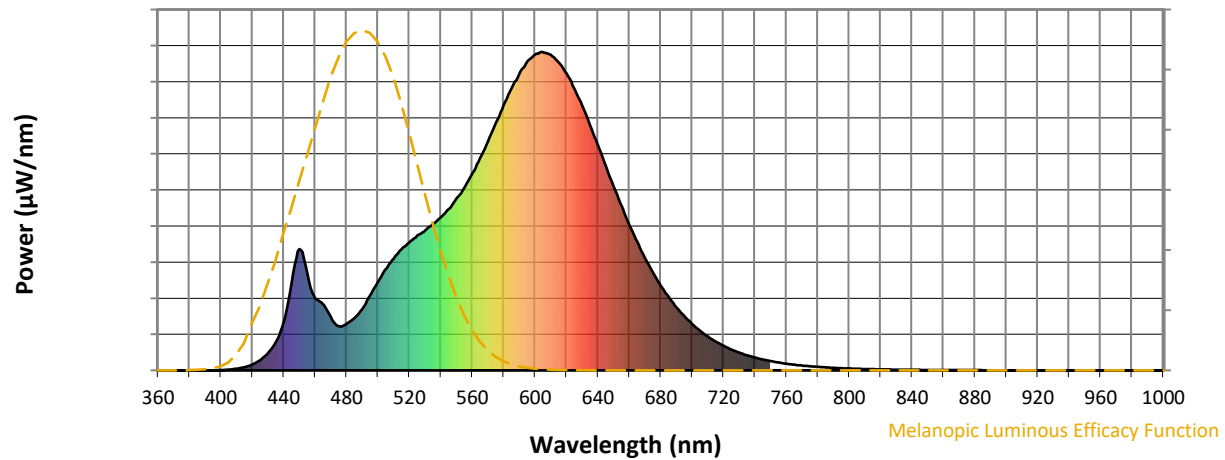
Scotopic Lumens: NR

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

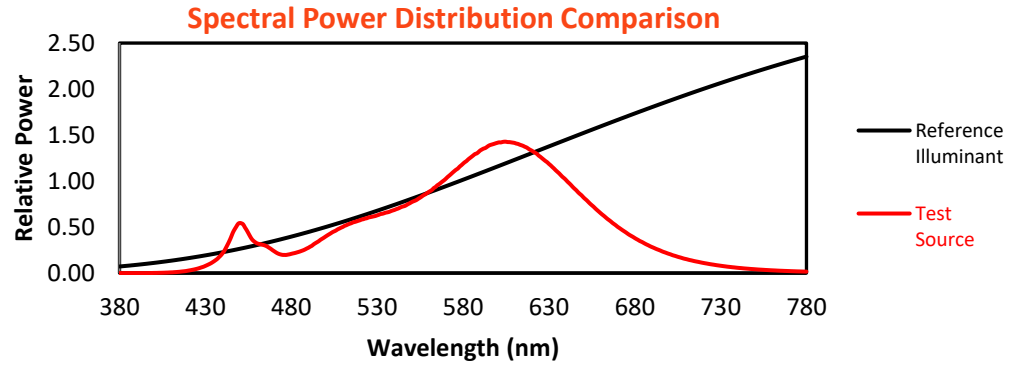
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	193	NR	620	932	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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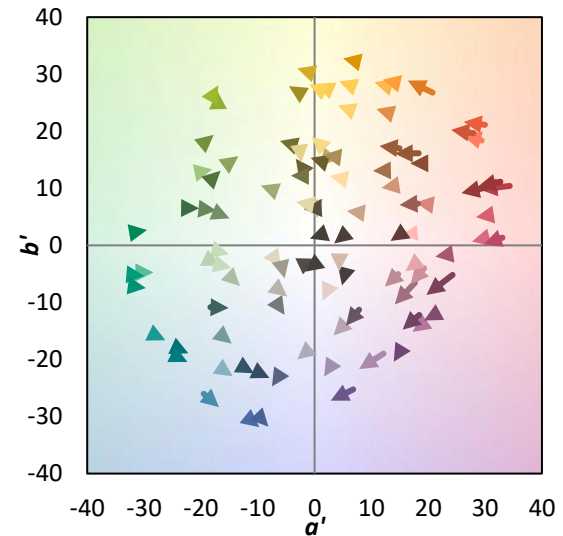
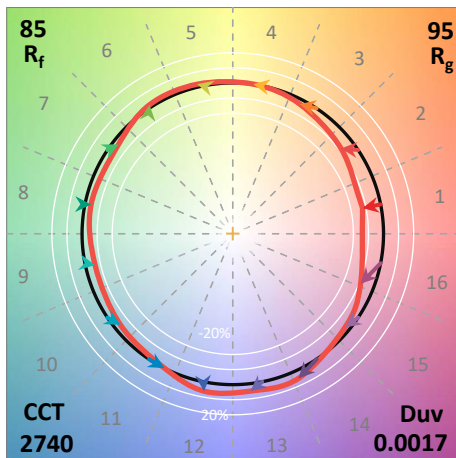
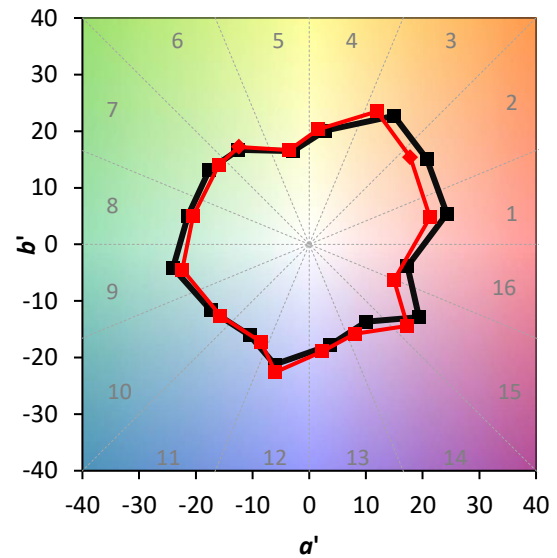
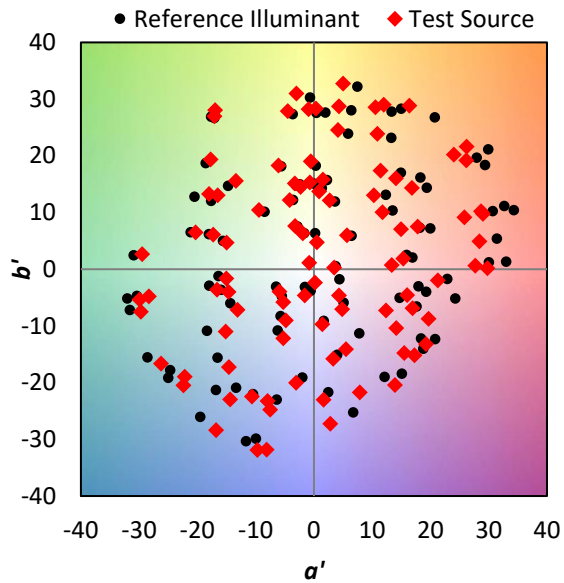
TM-30-18

Summary

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

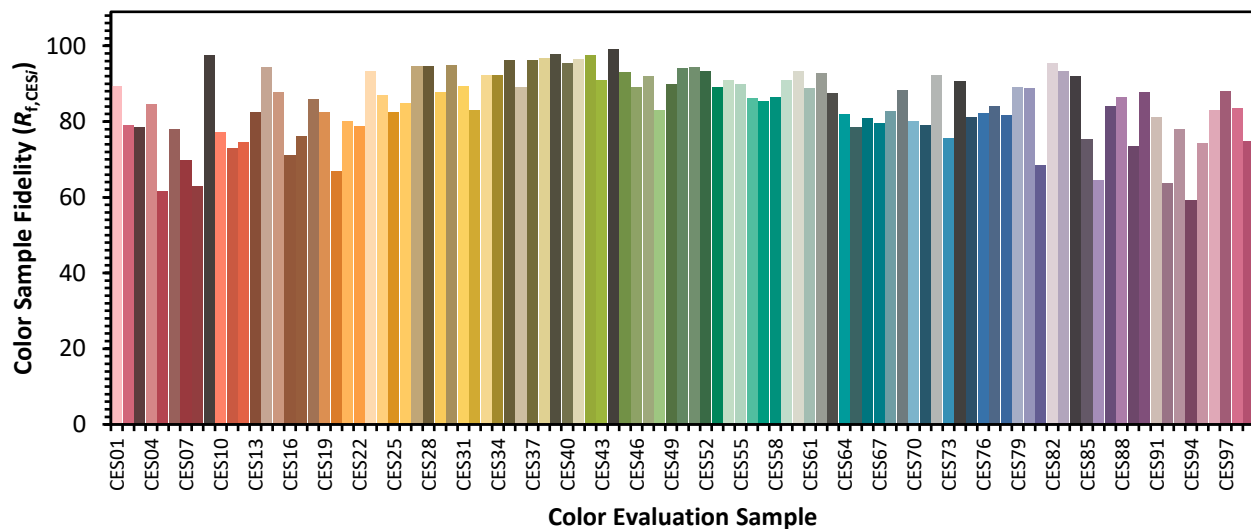


Color Vector Graphics

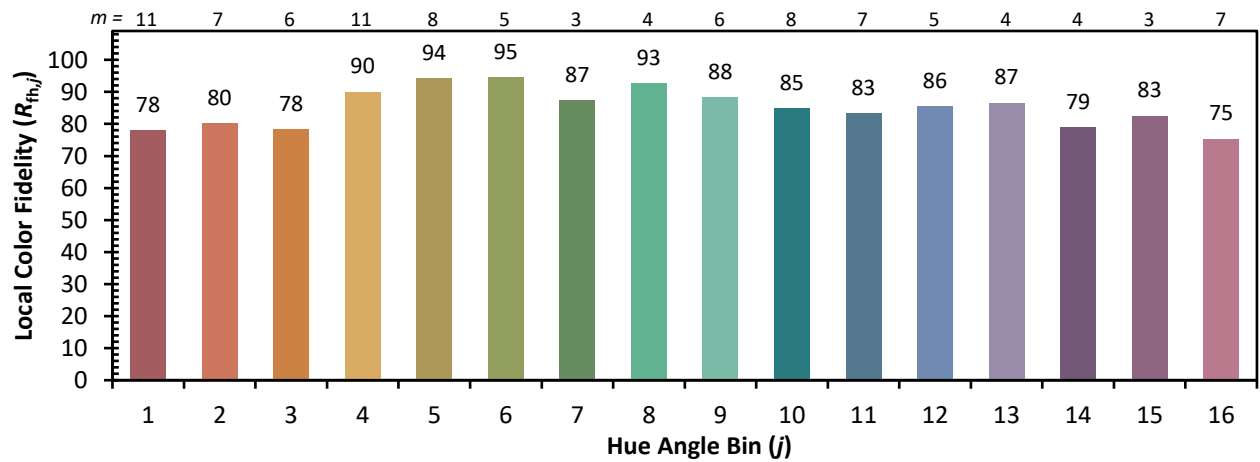
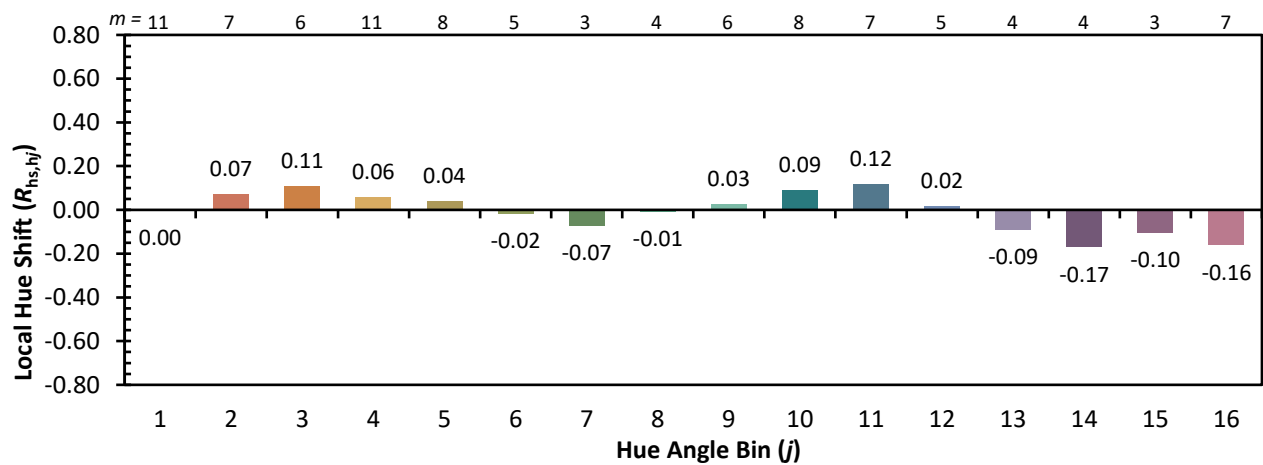
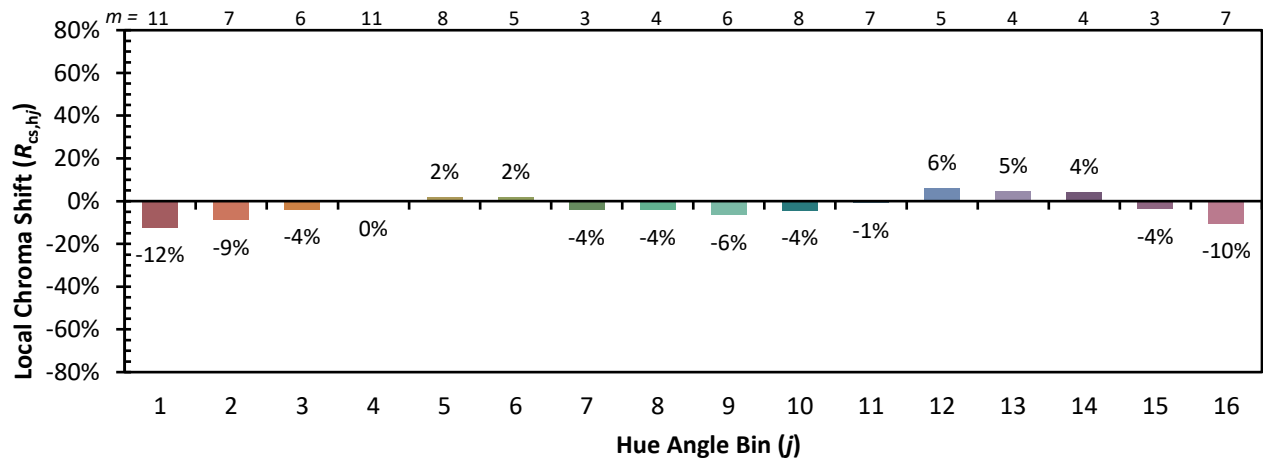


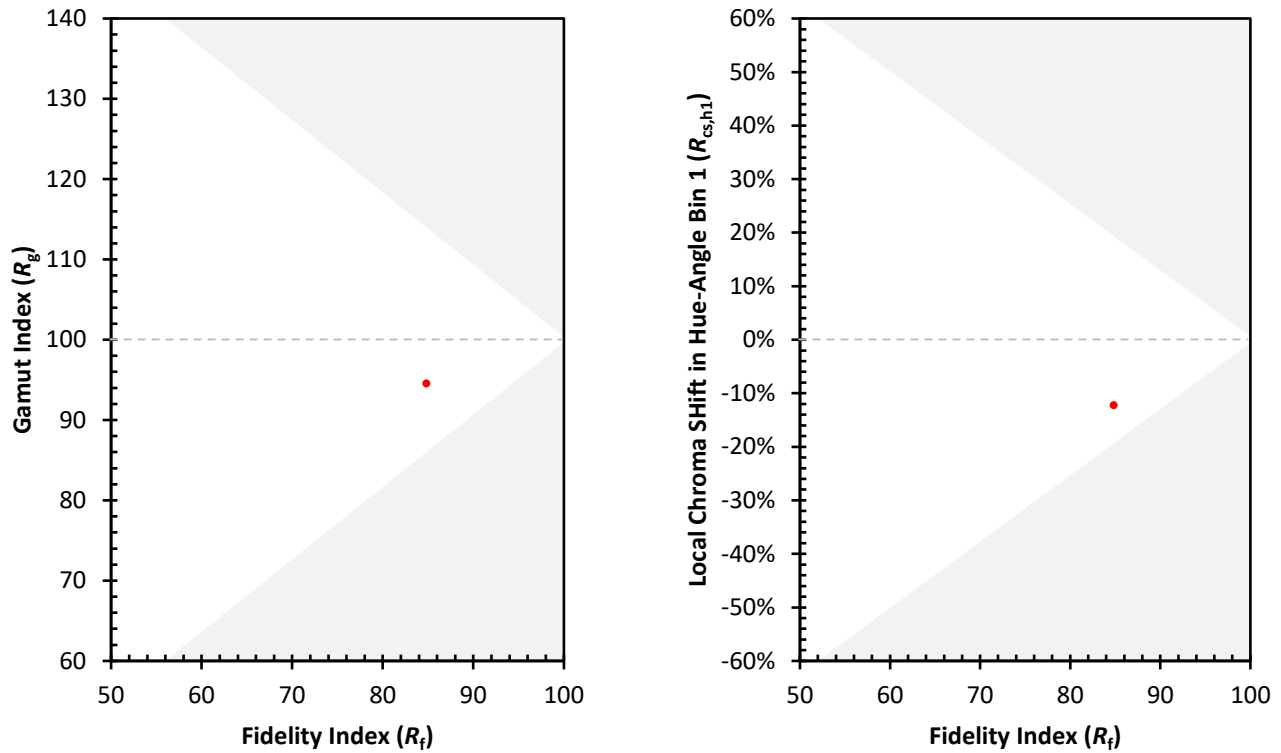
Individual Sample Fidelity Index ($R_{f,i}$)

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)