

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: P1212011

Luminaire Tested: **GKO-PB2A-735-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212011
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-735-U-T1
Description: GEKKO WALL PACK 4000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

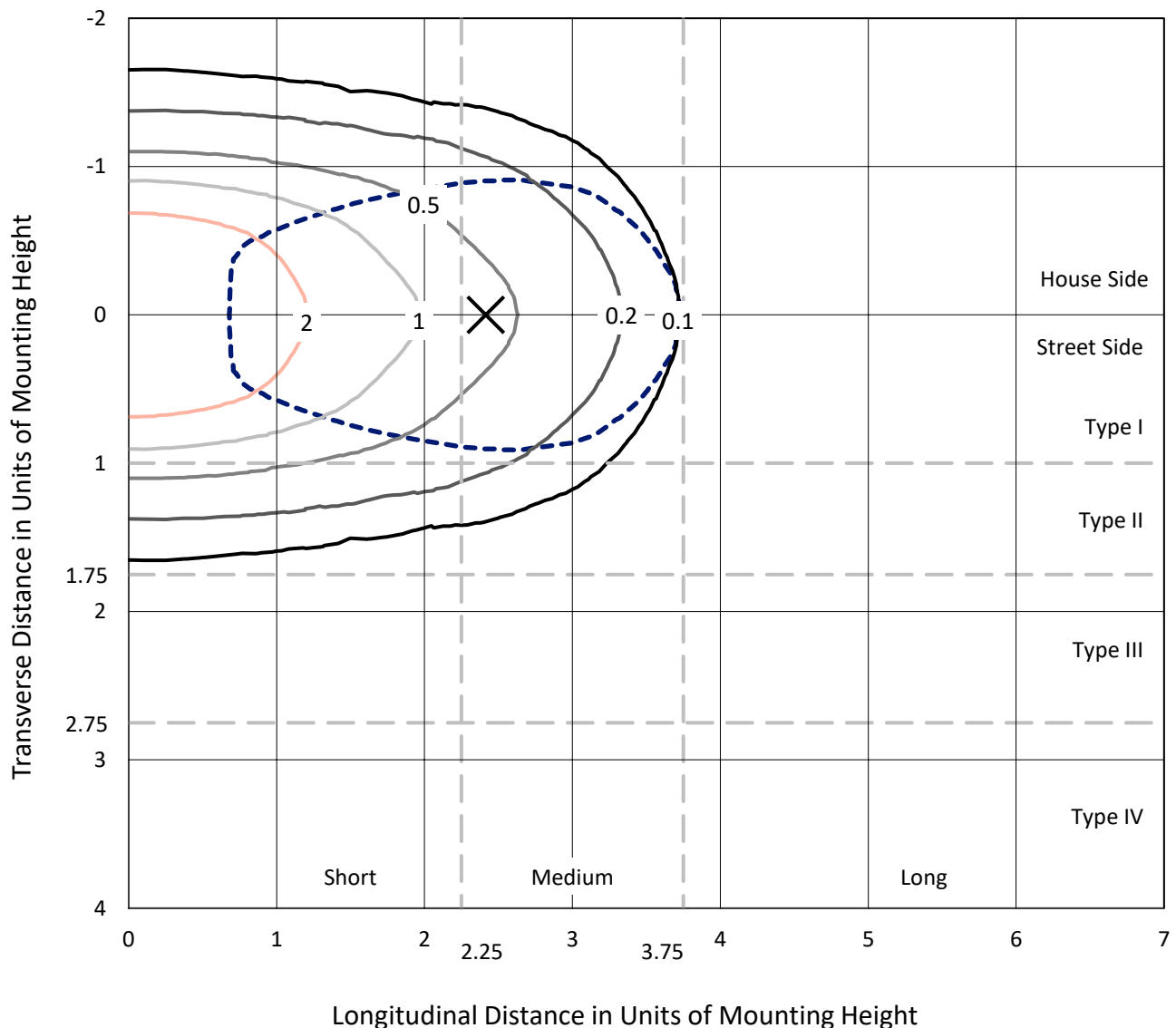
Lumens per Lamp: N/A
Luminaire Lumens: 4218.4 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (A_{in}): 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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 CATALOG NUMBER: GKO-PB2A-735-U-T1

Iso-Footcandle Lines of Horizontal Illumination

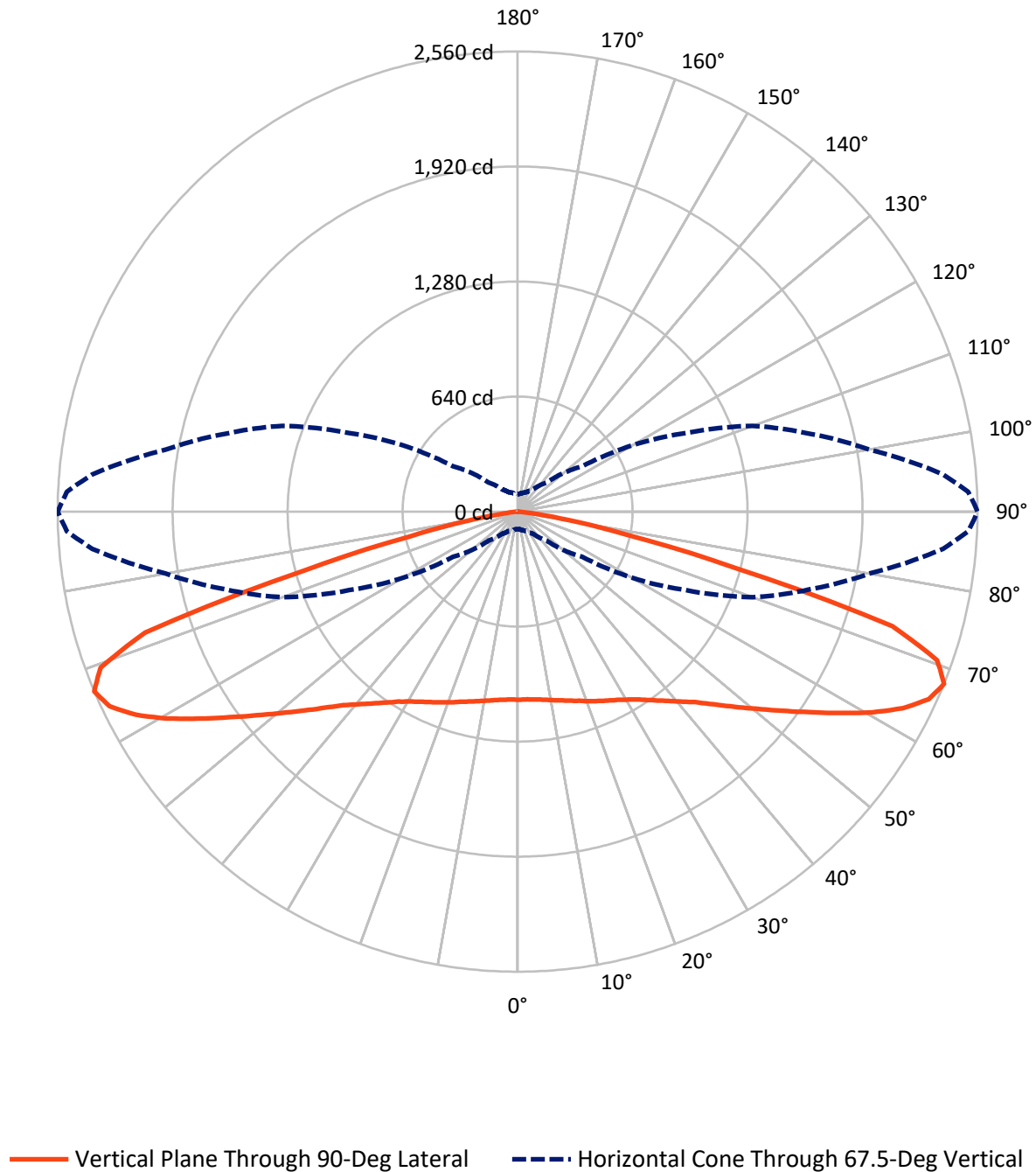
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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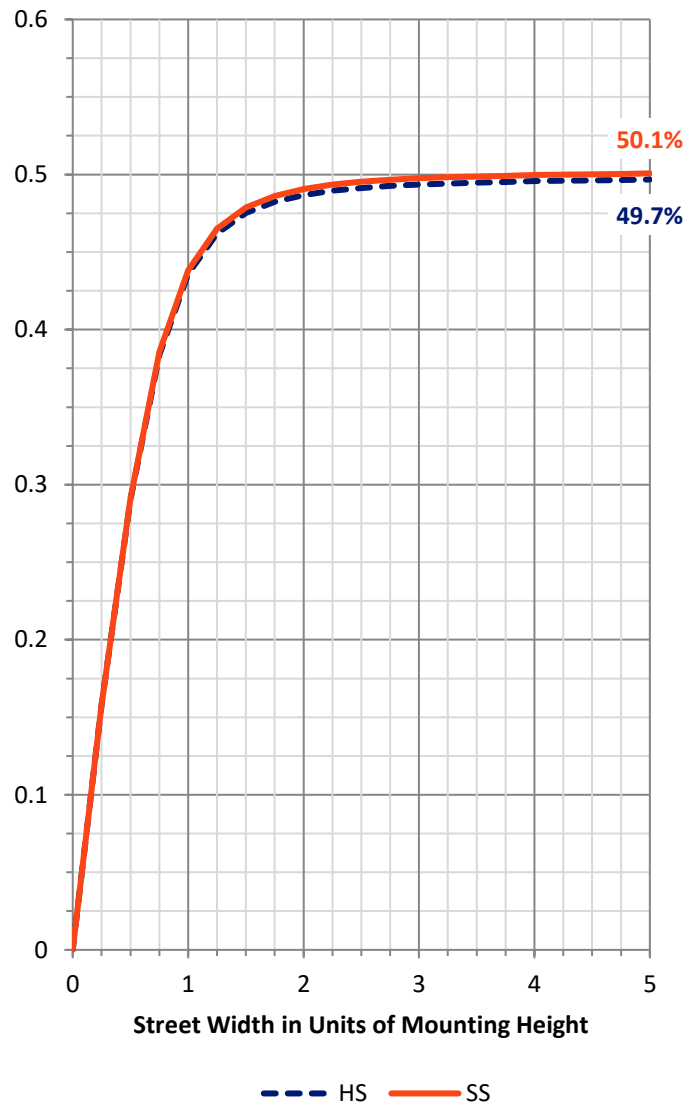
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2109.2	0.0	2109.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2109.2	0.0	2109.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4218.4	0.0	4218.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	2.4
10°-20°	302.5	7.2
20°-30°	503.0	11.9
30°-40°	668.2	15.8
40°-50°	753.4	17.9
50°-60°	774.7	18.4
60°-70°	732.1	17.4
70°-80°	358.4	8.5
80°-90°	25.6	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°	4218.4	100.0
0°-180°	4218.4	100.0



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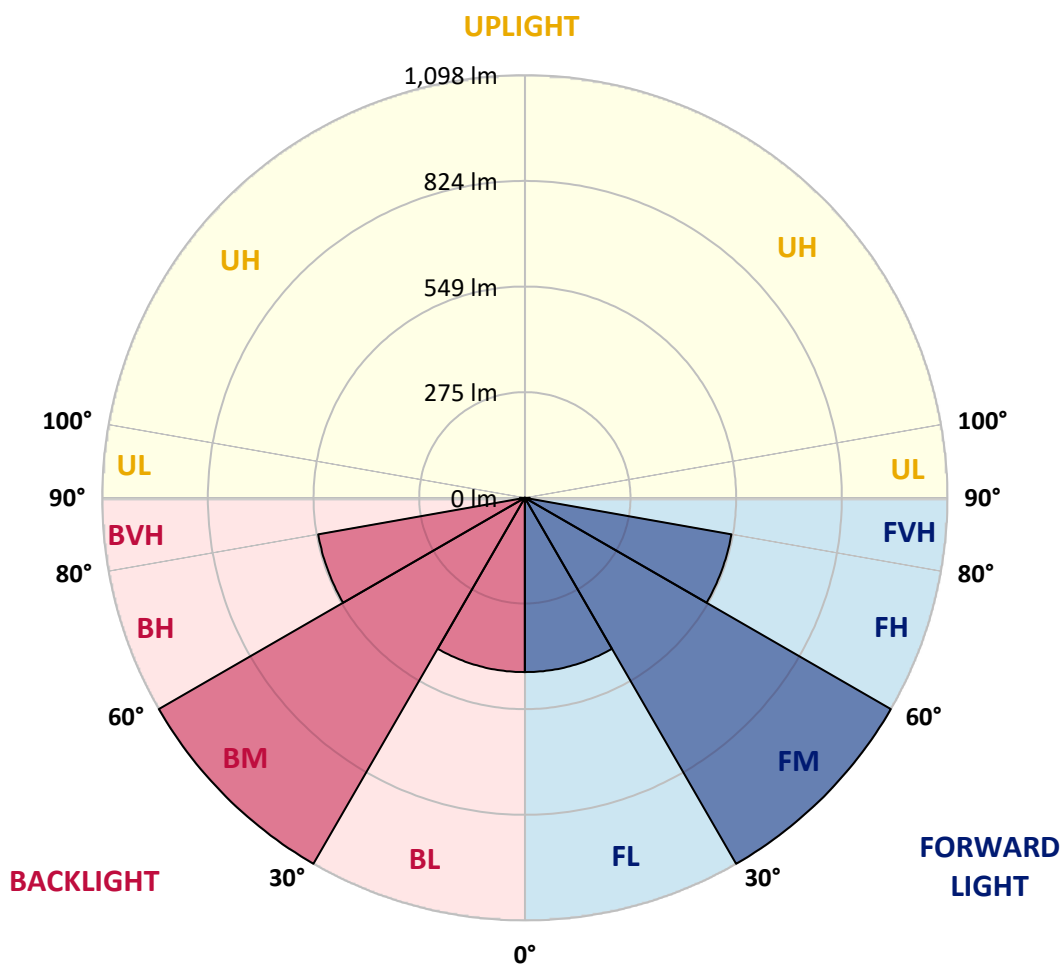
CATALOG NUMBER: GKO-PB2A-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	453.0	10.7			
FM	(30°-60°)	1098.2	26.0			
FH	(60°-80°)	545.2	12.9			G0/660
FVH	(80°-90°)	12.8	0.3			G1/100
BL	(0°-30°)	453.0	10.7	B1/500		
BM	(30°-60°)	1098.2	26.0	B2/2500		
BH	(60°-80°)	545.2	12.9	B2/1000		G2/1000
BVH	(80°-90°)	12.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1046.7	1046.7	1046.7	1046.7	1046.7	1046.7	1046.7	1046.7	1046.7	1046.7	1046.7
2.5°	1047.5	1049.1	1046.0	1046.0	1047.5	1048.3	1048.3	1049.1	1047.5	1047.5	1046.7
5°	1047.5	1048.3	1046.7	1046.7	1048.3	1050.6	1049.9	1051.4	1051.4	1050.6	1050.6
7.5°	1046.7	1048.3	1046.7	1047.5	1049.9	1054.5	1054.5	1054.5	1056.1	1057.6	1057.6
10°	1046.0	1047.5	1048.3	1049.1	1052.2	1059.2	1060.7	1061.5	1063.9	1066.2	1066.2
12.5°	1042.1	1043.6	1046.0	1049.1	1054.5	1063.9	1067.0	1069.3	1073.2	1075.5	1077.1
15°	1036.6	1037.4	1042.9	1049.1	1057.6	1069.3	1075.5	1079.4	1084.9	1088.0	1090.3
17.5°	1028.9	1029.6	1038.2	1047.5	1060.0	1076.3	1086.4	1092.6	1098.1	1102.7	1105.9
20°	1018.8	1021.1	1031.2	1046.0	1063.9	1083.3	1098.1	1109.0	1114.4	1119.1	1123.7
22.5°	1006.3	1008.6	1021.1	1042.1	1067.7	1092.6	1112.1	1126.1	1133.1	1139.3	1144.7
25°	987.6	990.8	1005.5	1032.8	1069.3	1102.7	1127.6	1145.5	1151.7	1159.5	1164.2
27.5°	958.9	961.2	979.1	1014.1	1064.6	1113.6	1145.5	1166.5	1173.5	1182.1	1186.7
30°	913.8	918.4	940.2	983.8	1053.0	1122.2	1166.5	1187.5	1196.1	1204.6	1210.8
32.5°	855.4	862.4	886.5	942.5	1030.4	1125.3	1189.1	1213.2	1224.1	1233.4	1241.2
35°	783.1	790.1	818.9	889.7	994.6	1119.1	1211.6	1242.7	1255.9	1268.4	1277.7
37.5°	700.7	706.9	741.9	822.8	943.3	1099.6	1229.5	1275.4	1293.3	1309.6	1322.0
40°	617.5	624.5	662.6	748.9	881.1	1062.3	1237.3	1311.2	1333.7	1354.7	1370.3
42.5°	527.3	535.8	578.6	670.4	808.8	1011.0	1231.1	1346.2	1374.2	1402.9	1426.3
45°	447.2	448.7	495.4	584.0	729.5	944.9	1209.3	1379.6	1417.7	1458.1	1491.6
47.5°	370.2	373.3	413.7	501.6	647.0	870.2	1169.6	1406.0	1466.7	1518.8	1567.8
50°	301.7	305.6	342.2	420.7	564.6	788.6	1116.0	1421.6	1508.7	1579.5	1647.9
52.5°	245.7	250.4	280.7	350.0	481.4	703.0	1049.9	1423.9	1546.8	1640.1	1731.1
55°	204.5	207.6	231.0	286.2	401.3	614.4	974.4	1412.3	1571.7	1694.6	1815.9
57.5°	172.6	175.8	192.1	235.6	329.0	523.4	882.7	1385.0	1584.9	1742.0	1901.4
60°	150.1	152.4	164.1	195.2	270.6	437.8	783.9	1336.8	1581.0	1771.5	1972.2
62.5°	133.8	134.5	144.6	166.4	223.2	357.0	672.7	1264.5	1549.1	1775.4	2020.4
65°	119.0	119.8	126.0	141.5	183.5	287.0	556.8	1165.0	1488.5	1748.2	2027.4
67.5°	96.4	98.0	107.3	119.0	150.9	227.1	438.6	1034.3	1393.6	1677.4	1987.7
70°	77.0	77.8	87.1	100.3	122.9	178.9	336.7	858.6	1245.1	1562.3	1885.1
72.5°	57.5	59.1	67.7	80.9	100.3	138.4	243.4	649.4	995.4	1317.4	1641.7
75°	45.9	46.7	49.8	62.2	77.8	105.0	164.1	393.5	599.6	815.0	1006.3
77.5°	38.9	39.7	39.7	48.2	57.5	70.8	87.1	156.3	253.5	360.8	478.3
80°	31.9	33.4	30.3	35.8	41.2	41.2	40.4	74.7	119.8	169.5	222.4
82.5°	23.3	24.9	23.3	24.9	24.9	22.6	21.0	28.0	38.1	52.1	56.8
85°	16.3	17.1	18.7	17.1	16.3	13.2	10.1	7.8	4.7	5.4	7.8
87.5°	10.9	13.2	15.6	14.8	12.4	10.1	7.0	4.7	2.3	3.1	3.1
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°	1046.7	1046.7	1046.7
2.5°	1047.5	1046.7	1046.0
5°	1051.4	1050.6	1049.9
7.5°	1056.9	1056.9	1056.9
10°	1065.4	1067.0	1067.0
12.5°	1076.3	1077.9	1077.9
15°	1089.5	1090.3	1091.9
17.5°	1105.9	1106.6	1106.6
20°	1125.3	1124.5	1126.1
22.5°	1144.7	1144.7	1144.7
25°	1165.0	1165.0	1165.0
27.5°	1188.3	1188.3	1186.7
30°	1213.9	1213.9	1213.9
32.5°	1245.1	1245.8	1246.6
35°	1284.7	1286.3	1288.6
37.5°	1329.8	1333.7	1336.0
40°	1383.5	1385.0	1388.9
42.5°	1443.4	1448.0	1448.8
45°	1518.0	1525.8	1528.9
47.5°	1605.9	1616.8	1622.2
50°	1703.9	1716.3	1724.1
52.5°	1810.4	1830.6	1840.0
55°	1924.0	1959.0	1969.1
57.5°	2052.3	2099.7	2113.7
60°	2178.3	2245.1	2267.7
62.5°	2285.6	2379.7	2407.7
65°	2361.0	2474.6	2515.8
67.5°	2376.6	2511.1	2560.1
70°	2283.3	2420.9	2477.7
72.5°	1985.4	2109.8	2180.6
75°	1172.7	1262.2	1240.4
77.5°	588.7	614.4	618.3
80°	258.2	273.7	280.0
82.5°	63.8	65.3	73.9
85°	8.6	10.1	9.3
87.5°	3.1	3.1	3.9
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

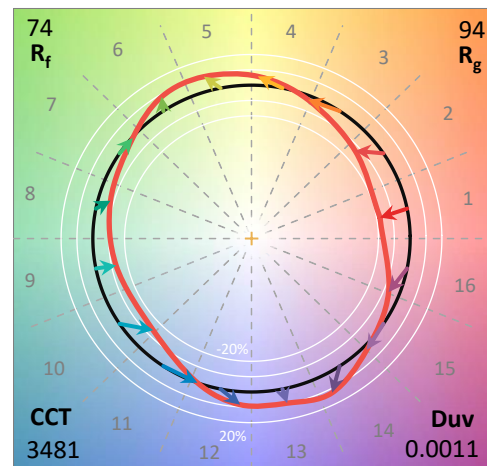
Data in this report applies to families of products including GKO-PB1C

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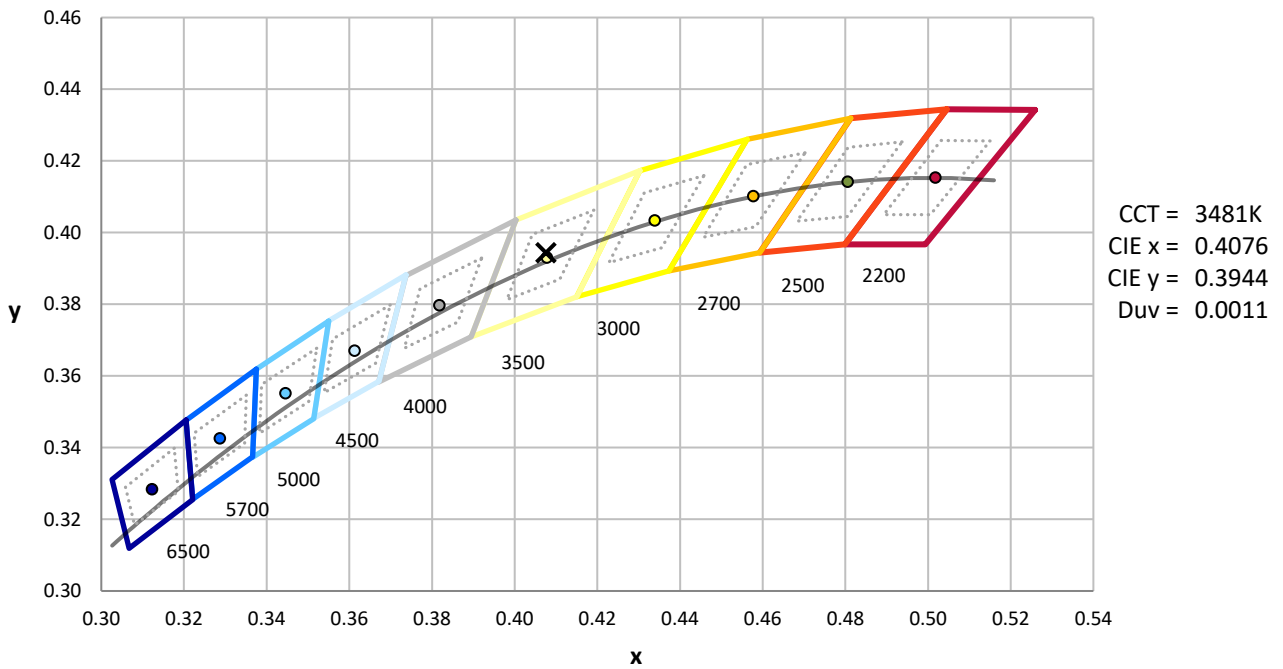
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

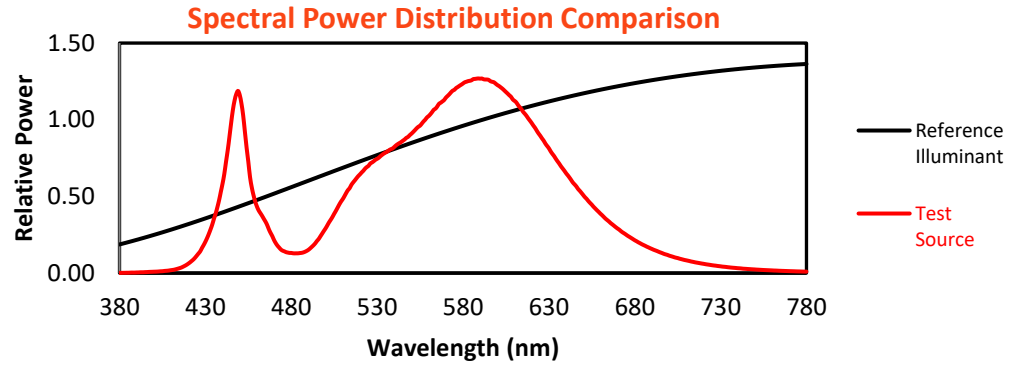
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230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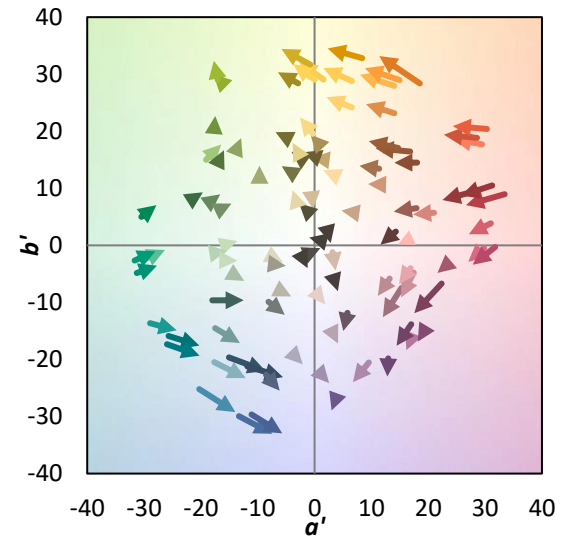
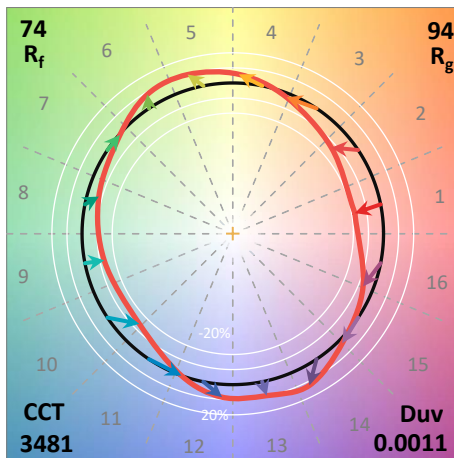
TM-30-18

Summary

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



Color Vector Graphics

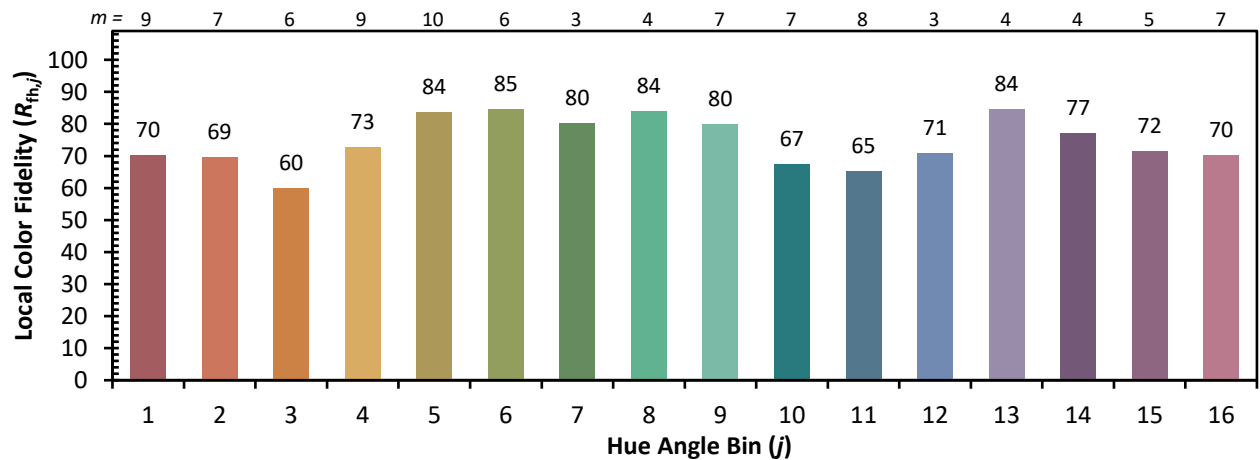
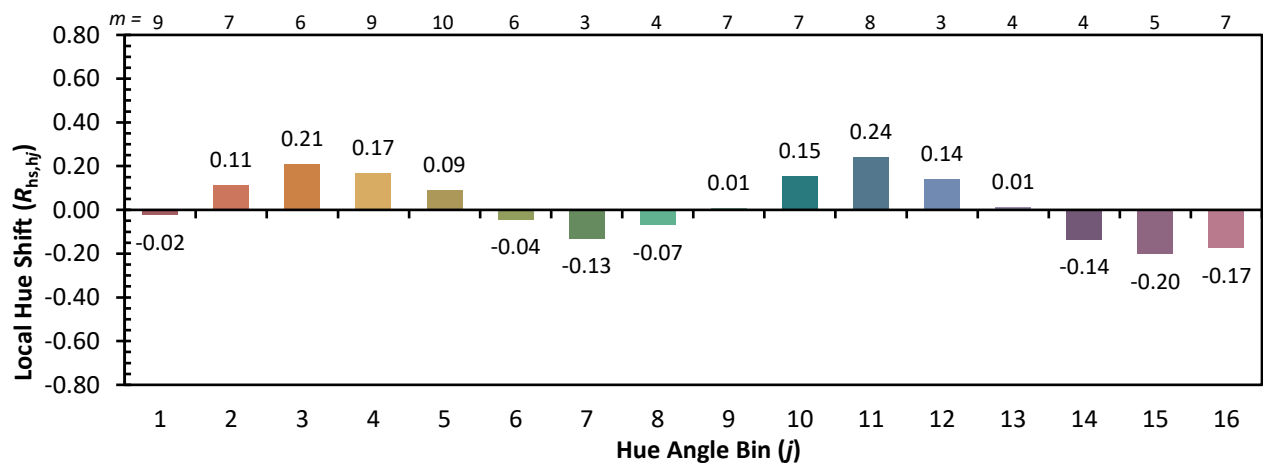
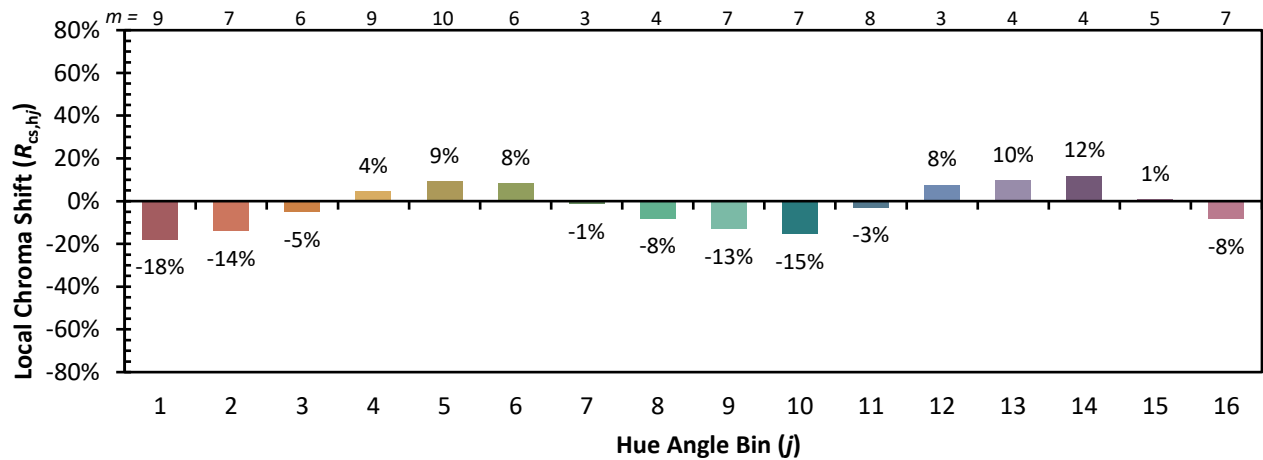


Individual Sample Fidelity Index ($R_{f,i}$)

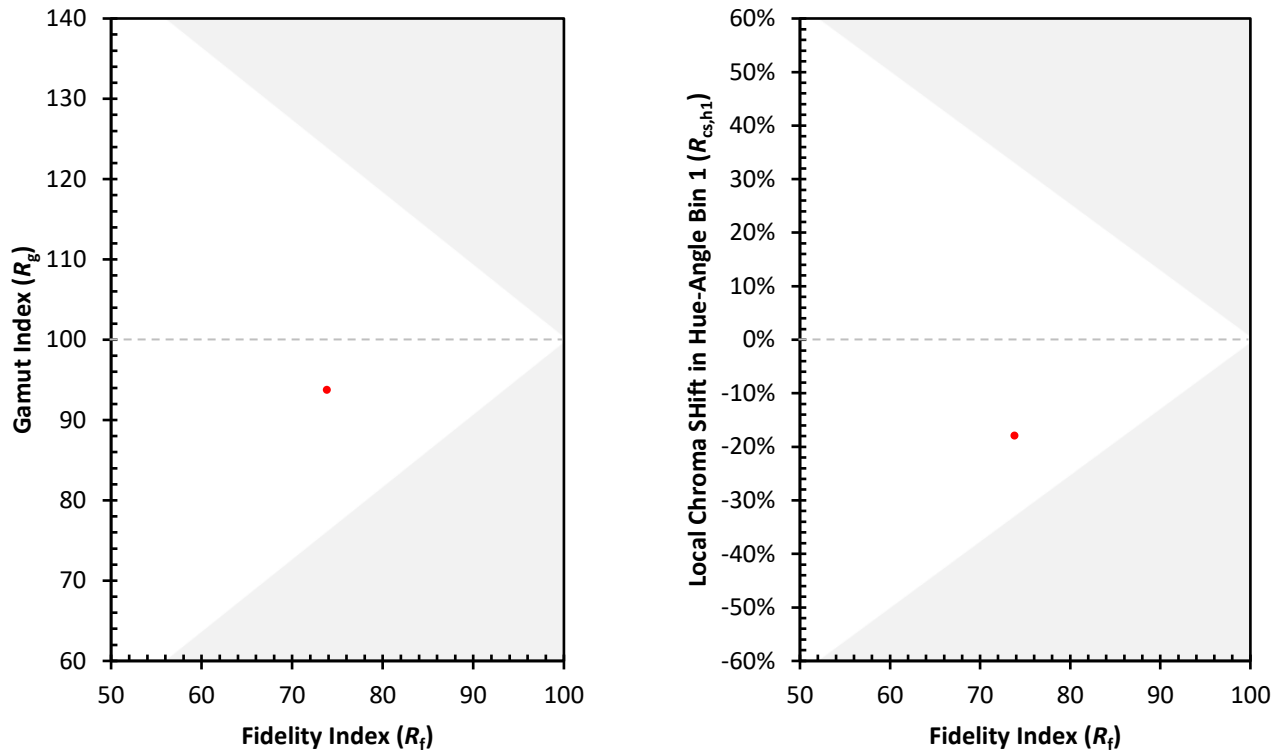
CES01 = 86	CES26 = 63	CES51 = 88	CES76 = 53
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 73
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 56
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 83
CES05 = 48	CES30 = 79	CES55 = 83	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 73	CES81 = 76
CES07 = 40	CES32 = 61	CES57 = 72	CES82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