

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: P1212003

Luminaire Tested: **GKO-PB1D-735-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212003
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1D-735-U-T1
Description: GEKKO WALL PACK 3500LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

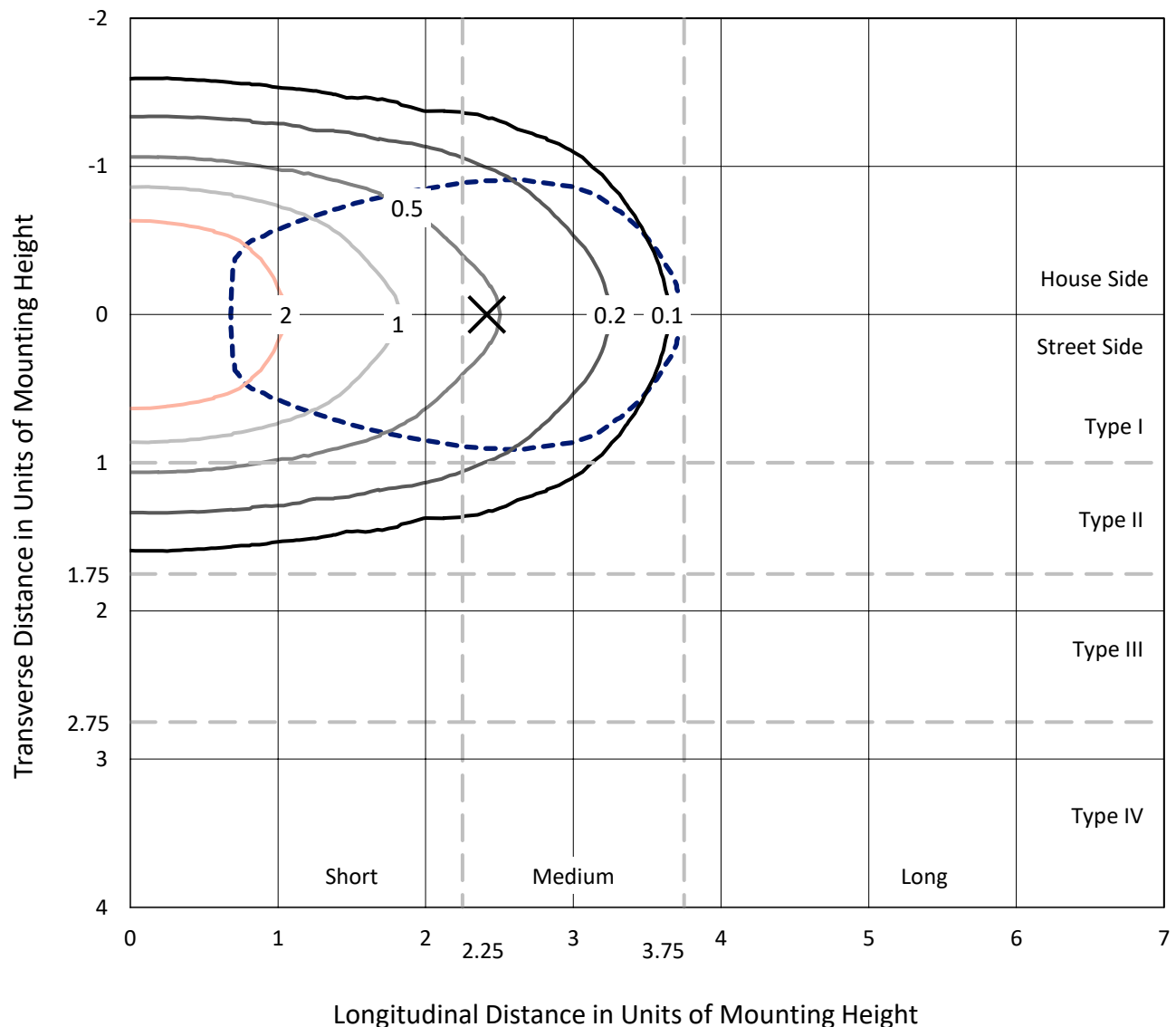
Lumens per Lamp: N/A
Luminaire Lumens: 3671.6 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi):
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

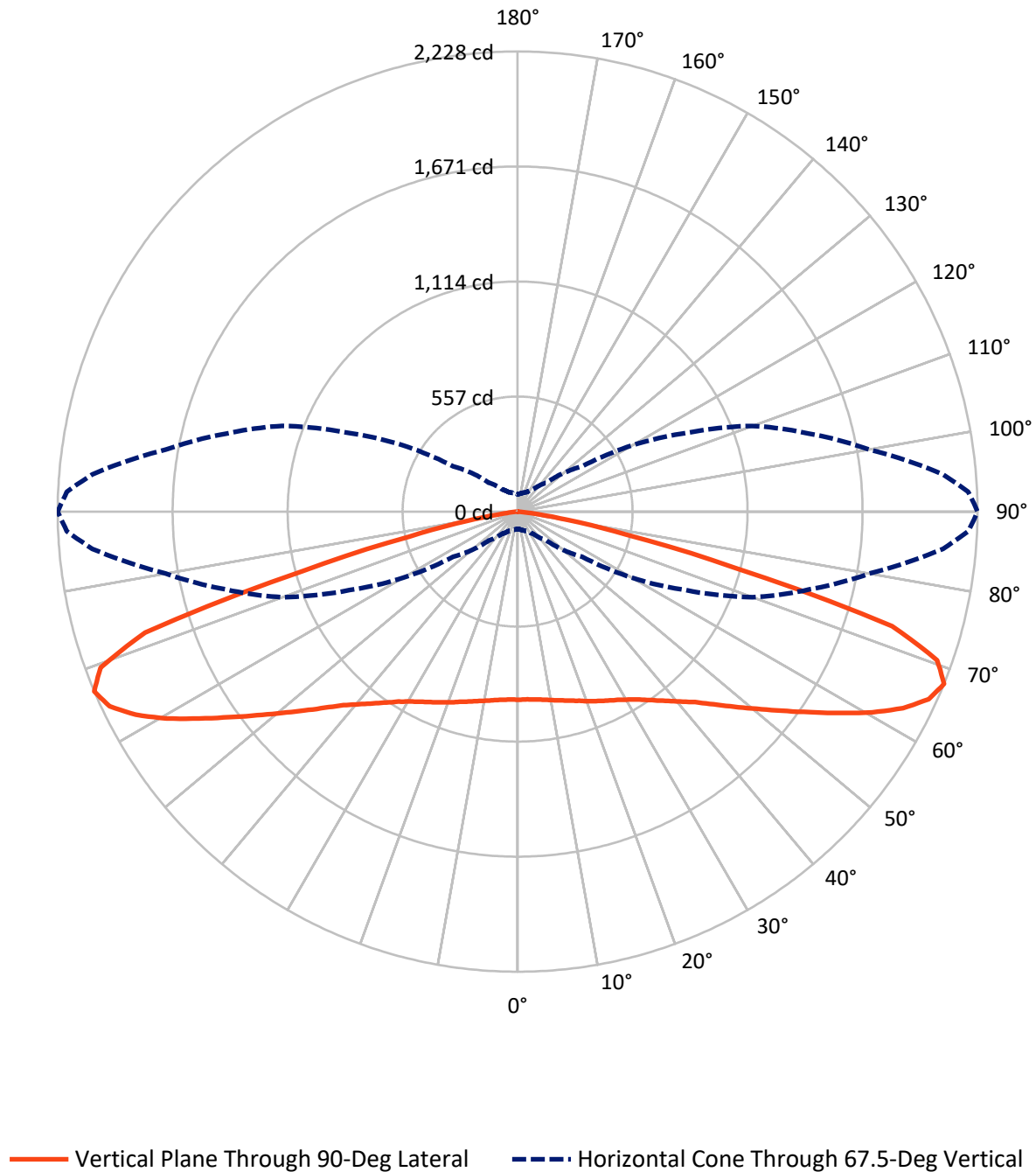
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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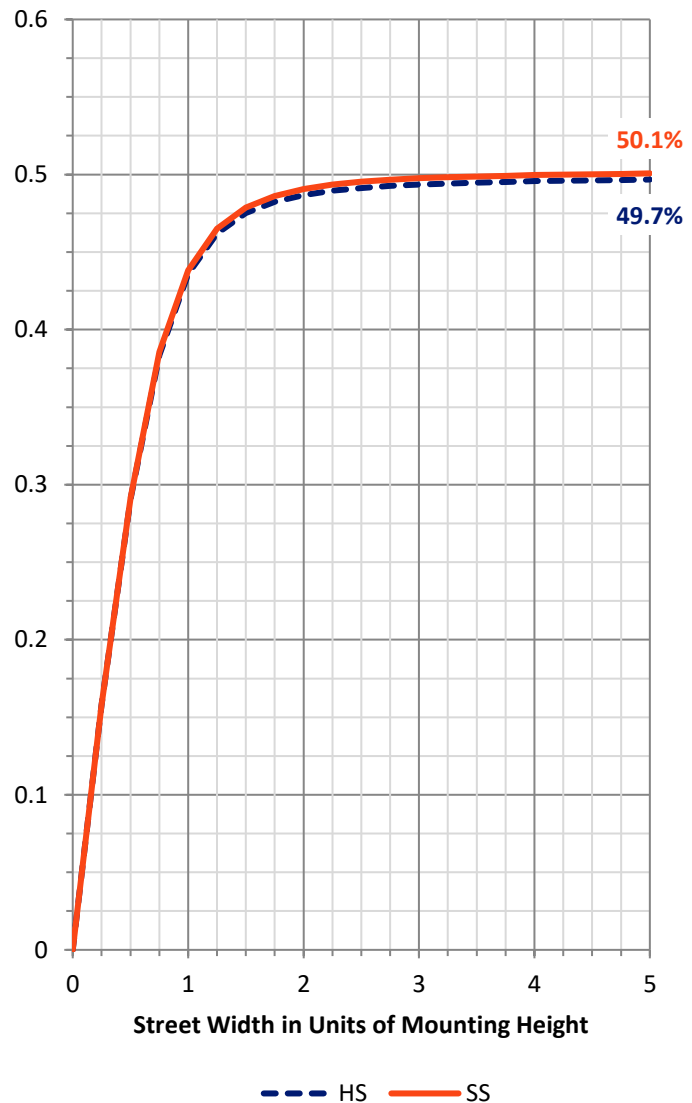
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1835.8	0.0	1835.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1835.8	0.0	1835.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3671.6	0.0	3671.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	2.4
10°-20°	263.3	7.2
20°-30°	437.8	11.9
30°-40°	581.6	15.8
40°-50°	655.7	17.9
50°-60°	674.3	18.4
60°-70°	637.2	17.4
70°-80°	311.9	8.5
80°-90°	22.3	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°	3671.6	100.0
0°-180°	3671.6	100.0

Coefficient of Utilization



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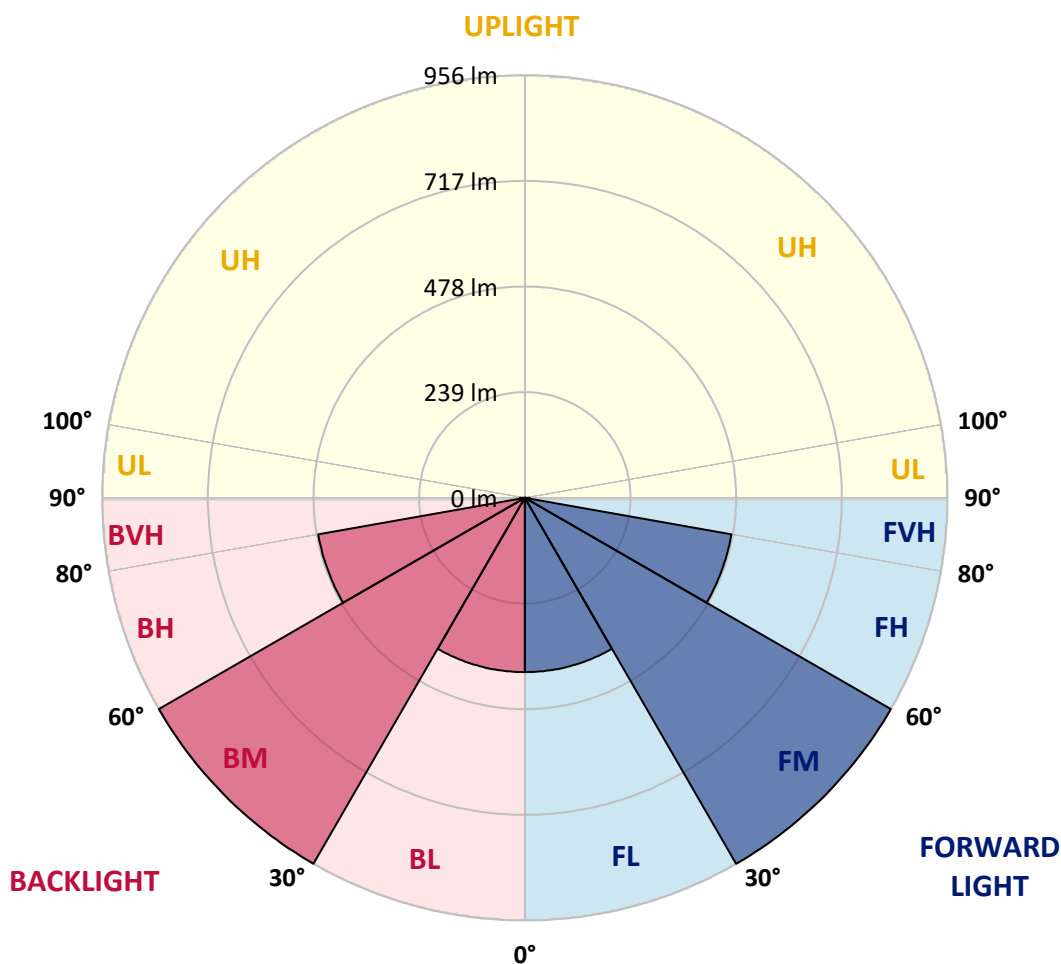
CATALOG NUMBER: GKO-PB1D-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.3	10.7			
FM	(30°-60°)	955.8	26.0			
FH	(60°-80°)	474.6	12.9			G0/660
FVH	(80°-90°)	11.2	0.3			G1/100
BL	(0°-30°)	394.3	10.7	B1/500		
BM	(30°-60°)	955.8	26.0	B1/1000		
BH	(60°-80°)	474.6	12.9	B1/500		G1/500
BVH	(80°-90°)	11.2	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°	911.1	911.1	911.1	911.1	911.1	911.1	911.1	911.1	911.1	911.1	911.1
2.5°	911.7	913.1	910.4	910.4	911.7	912.4	912.4	913.1	911.7	911.7	911.1
5°	911.7	912.4	911.1	911.1	912.4	914.5	913.8	915.1	915.1	914.5	914.5
7.5°	911.1	912.4	911.1	911.7	913.8	917.8	917.8	917.8	919.2	920.5	920.5
10°	910.4	911.7	912.4	913.1	915.8	921.9	923.3	923.9	926.0	928.0	928.0
12.5°	907.0	908.4	910.4	913.1	917.8	926.0	928.7	930.7	934.1	936.1	937.5
15°	902.3	902.9	907.7	913.1	920.5	930.7	936.1	939.5	944.2	946.9	949.0
17.5°	895.5	896.2	903.6	911.7	922.6	936.8	945.6	951.0	955.7	959.8	962.5
20°	886.7	888.7	897.5	910.4	926.0	942.9	955.7	965.2	970.0	974.0	978.1
22.5°	875.9	877.9	888.7	907.0	929.3	951.0	967.9	980.1	986.2	991.6	996.4
25°	859.6	862.3	875.2	898.9	930.7	959.8	981.5	997.0	1002.4	1009.2	1013.3
27.5°	834.6	836.6	852.2	882.6	926.6	969.3	997.0	1015.3	1021.4	1028.8	1032.9
30°	795.3	799.4	818.3	856.2	916.5	976.7	1015.3	1033.6	1041.0	1048.5	1053.9
32.5°	744.6	750.7	771.6	820.4	896.9	979.4	1034.9	1055.9	1065.4	1073.5	1080.3
35°	681.6	687.7	712.7	774.3	865.7	974.0	1054.6	1081.6	1093.1	1104.0	1112.1
37.5°	609.9	615.3	645.7	716.1	821.0	957.1	1070.1	1110.1	1125.6	1139.9	1150.7
40°	537.4	543.5	576.7	651.8	766.9	924.6	1076.9	1141.2	1160.8	1179.1	1192.6
42.5°	458.9	466.4	503.6	583.5	703.9	879.9	1071.5	1171.7	1196.0	1221.1	1241.4
45°	389.2	390.6	431.2	508.3	634.9	822.4	1052.5	1200.8	1233.9	1269.1	1298.2
47.5°	322.2	324.9	360.1	436.6	563.2	757.4	1018.0	1223.8	1276.6	1321.9	1364.6
50°	262.6	266.0	297.8	366.2	491.4	686.3	971.3	1237.3	1313.1	1374.7	1434.3
52.5°	213.9	218.0	244.4	304.6	419.0	611.9	913.8	1239.4	1346.3	1427.5	1506.7
55°	178.0	180.7	201.0	249.1	349.3	534.7	848.1	1229.2	1368.0	1474.9	1580.5
57.5°	150.3	153.0	167.2	205.1	286.3	455.5	768.2	1205.5	1379.5	1516.2	1655.0
60°	130.6	132.7	142.8	169.9	235.6	381.1	682.3	1163.5	1376.1	1541.9	1716.5
62.5°	116.4	117.1	125.9	144.9	194.3	310.7	585.5	1100.6	1348.3	1545.3	1758.5
65°	103.6	104.2	109.7	123.2	159.7	249.8	484.6	1014.0	1295.5	1521.6	1764.6
67.5°	83.9	85.3	93.4	103.6	131.3	197.6	381.8	900.2	1213.0	1460.0	1730.1
70°	67.0	67.7	75.8	87.3	106.9	155.7	293.1	747.3	1083.7	1359.8	1640.7
72.5°	50.1	51.4	58.9	70.4	87.3	120.5	211.9	565.2	866.4	1146.6	1428.9
75°	39.9	40.6	43.3	54.1	67.7	91.4	142.8	342.5	521.9	709.4	875.9
77.5°	33.8	34.5	34.5	42.0	50.1	61.6	75.8	136.1	220.7	314.1	416.3
80°	27.8	29.1	26.4	31.1	35.9	35.9	35.2	65.0	104.2	147.6	193.6
82.5°	20.3	21.7	20.3	21.7	21.7	19.6	18.3	24.4	33.2	45.4	49.4
85°	14.2	14.9	16.2	14.9	14.2	11.5	8.8	6.8	4.1	4.7	6.8
87.5°	9.5	11.5	13.5	12.9	10.8	8.8	6.1	4.1	2.0	2.7	2.7
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°	911.1	911.1	911.1
2.5°	911.7	911.1	910.4
5°	915.1	914.5	913.8
7.5°	919.9	919.9	919.9
10°	927.3	928.7	928.7
12.5°	936.8	938.1	938.1
15°	948.3	949.0	950.3
17.5°	962.5	963.2	963.2
20°	979.4	978.8	980.1
22.5°	996.4	996.4	996.4
25°	1014.0	1014.0	1014.0
27.5°	1034.3	1034.3	1032.9
30°	1056.6	1056.6	1056.6
32.5°	1083.7	1084.3	1085.0
35°	1118.2	1119.5	1121.6
37.5°	1157.5	1160.8	1162.9
40°	1204.2	1205.5	1208.9
42.5°	1256.3	1260.3	1261.0
45°	1321.3	1328.0	1330.7
47.5°	1397.7	1407.2	1412.0
50°	1483.0	1493.9	1500.6
52.5°	1575.8	1593.4	1601.5
55°	1674.6	1705.0	1713.8
57.5°	1786.3	1827.6	1839.7
60°	1895.9	1954.1	1973.8
62.5°	1989.3	2071.2	2095.6
65°	2055.0	2153.8	2189.7
67.5°	2068.5	2185.6	2228.3
70°	1987.3	2107.1	2156.5
72.5°	1728.1	1836.4	1897.9
75°	1020.7	1098.6	1079.6
77.5°	512.4	534.7	538.1
80°	224.7	238.3	243.7
82.5°	55.5	56.9	64.3
85°	7.4	8.8	8.1
87.5°	2.7	2.7	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: SP1-2511-595-2

Test Date: 01/09/2026

Luminaire Tested: GKO-PB1C-735-U-T4W

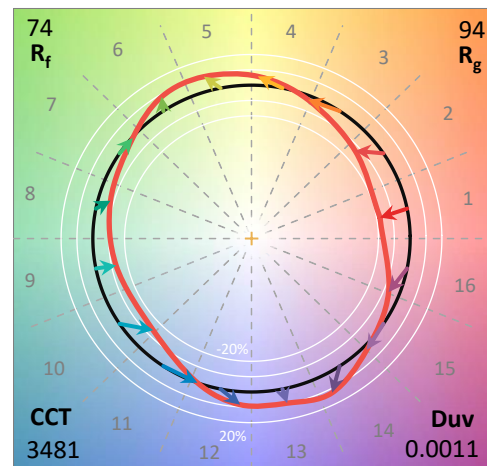
Data in this report applies to families of products including GKO-PB1C

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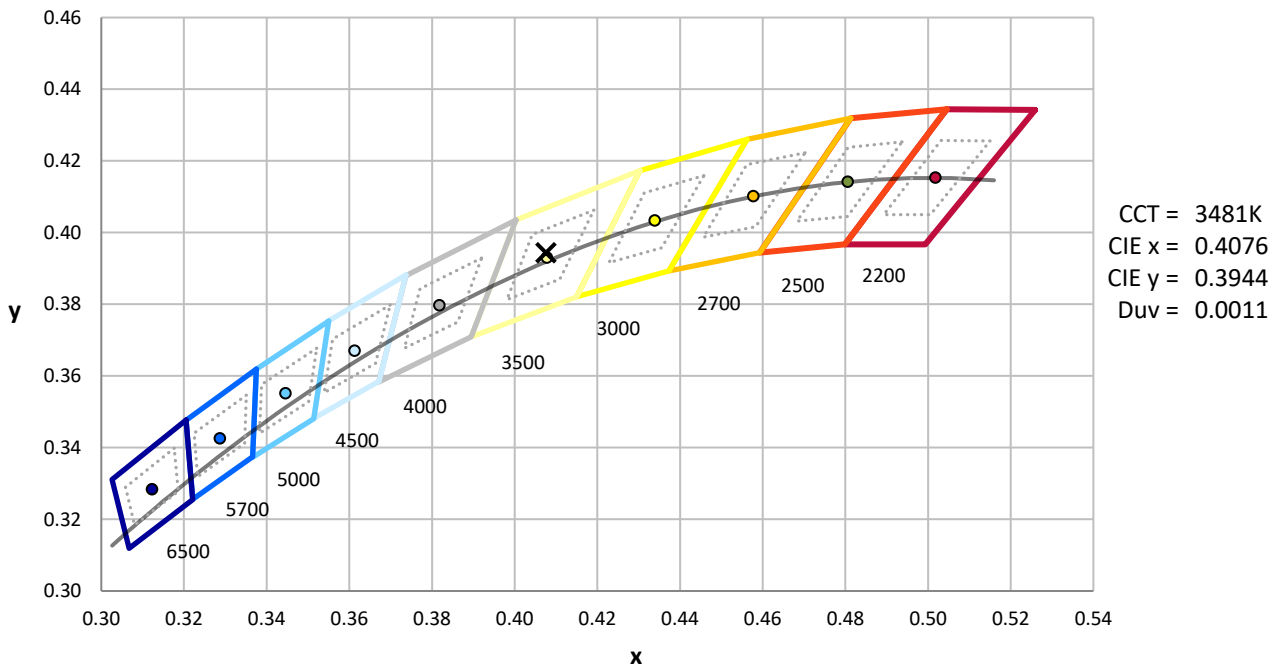
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

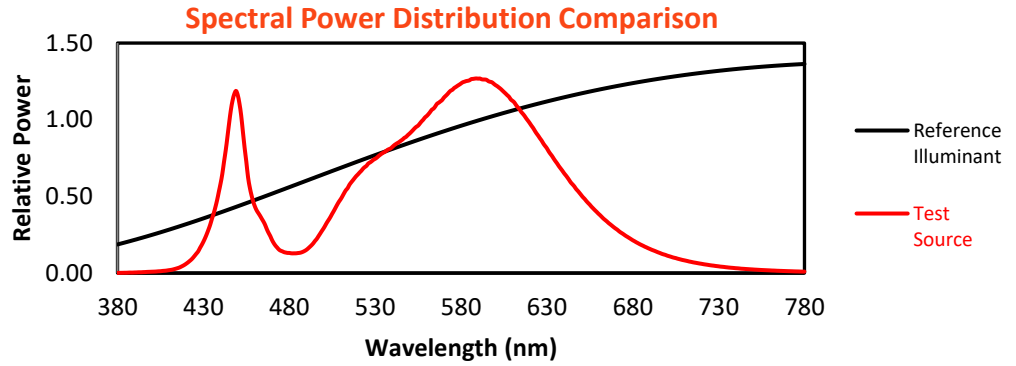
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230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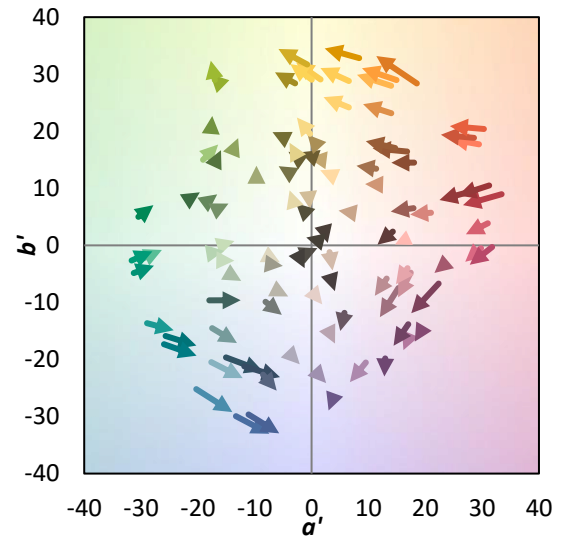
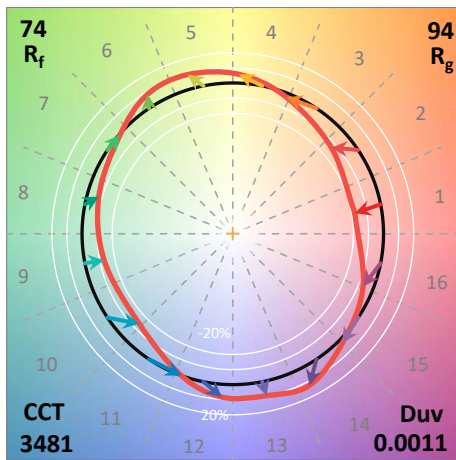
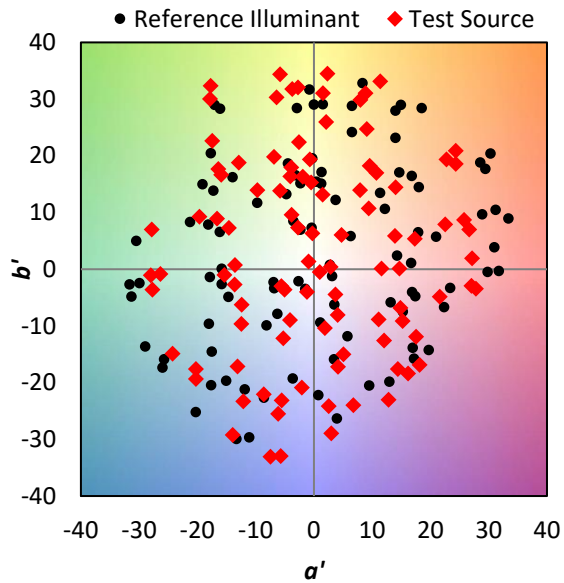
TM-30-18

Summary

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



Color Vector Graphics

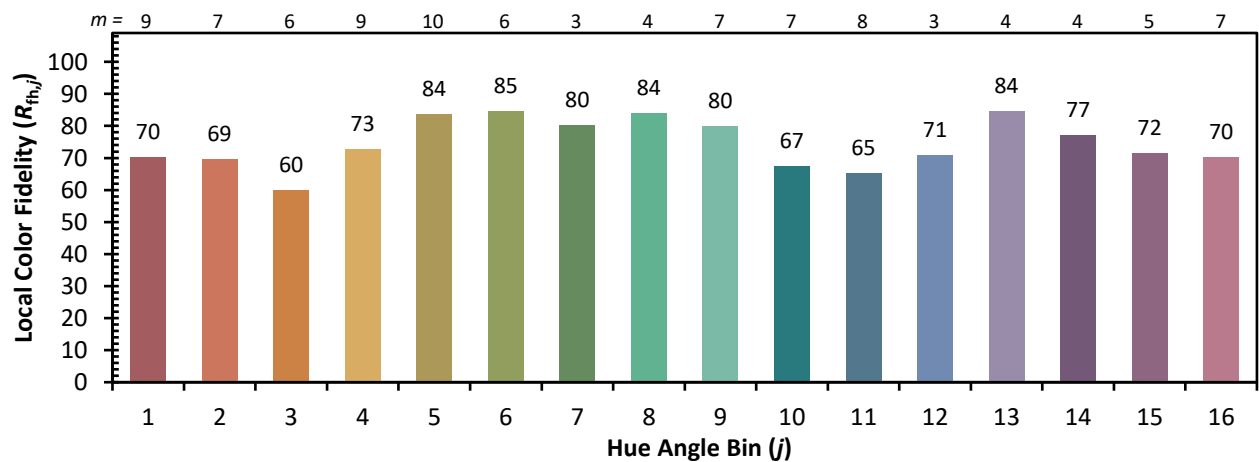
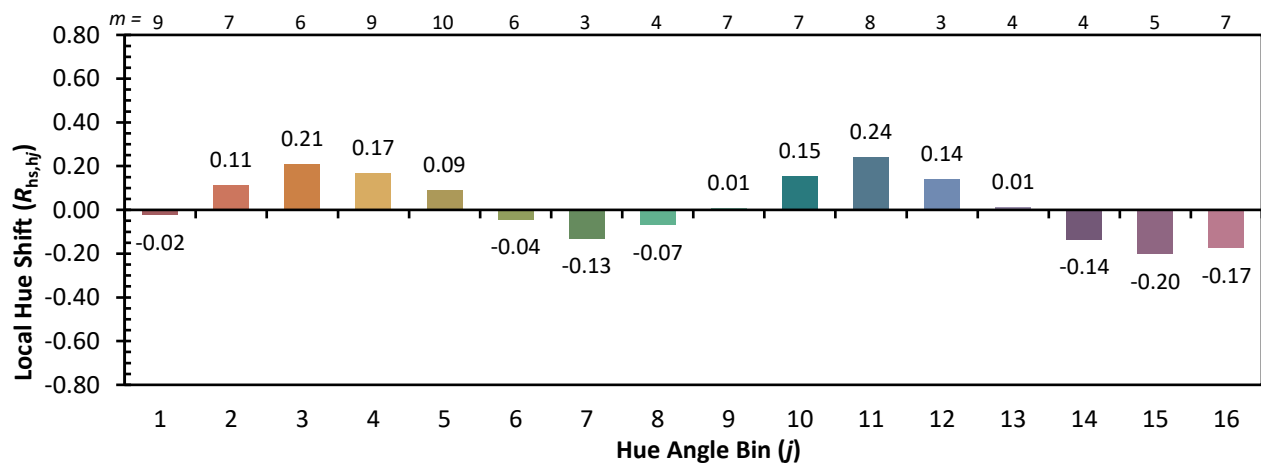
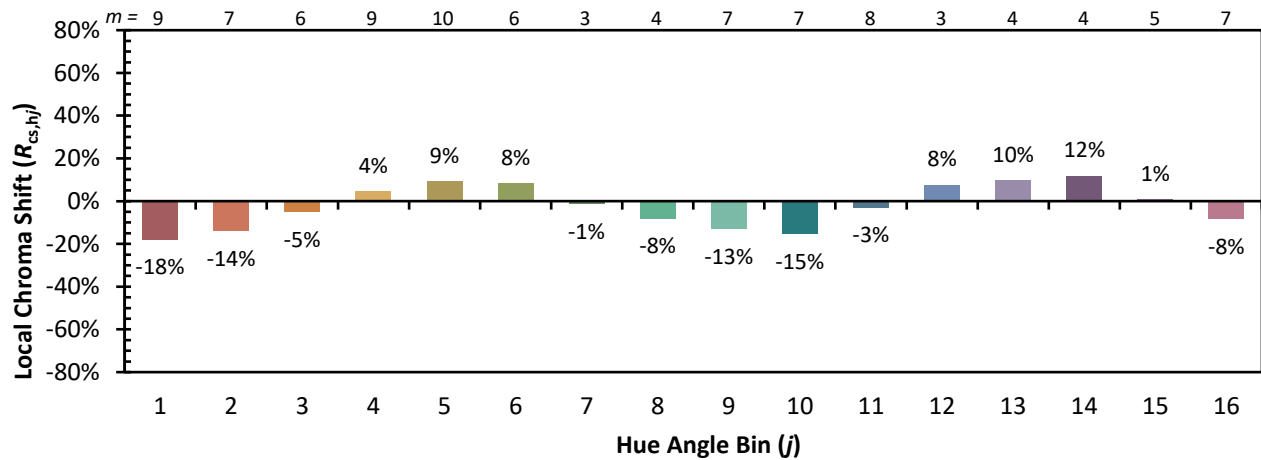


Individual Sample Fidelity Index ($R_{f,i}$)

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)