

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: P1212010

Luminaire Tested: **GKO-PB2B-735-U-T1**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1212010
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2B-735-U-T1
Description: GEKKO WALL PACK 6000LM PACKAGE 70CRI 3500K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

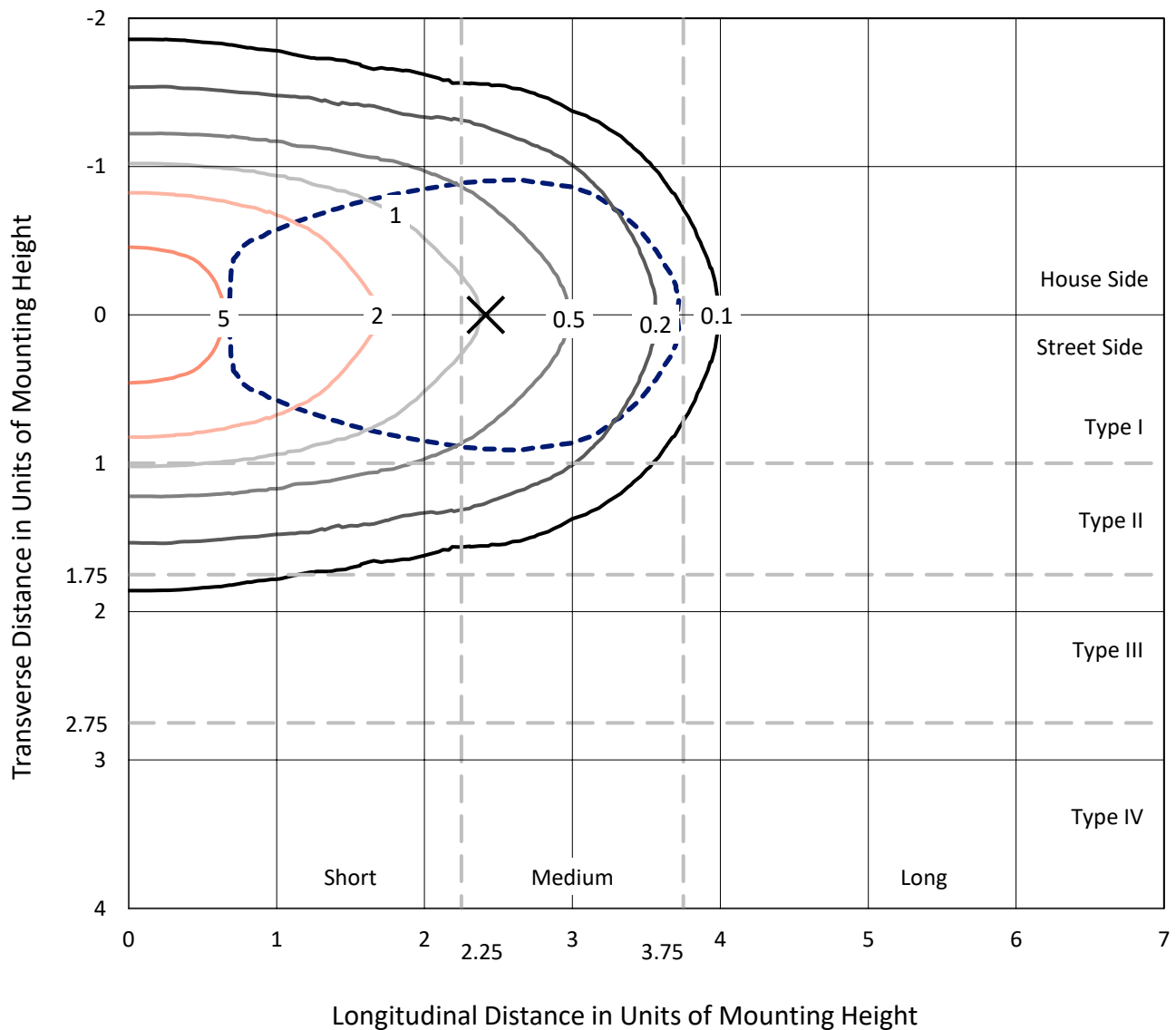
Lumens per Lamp: N/A
Luminaire Lumens: 6396.1 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 41.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1212010
 CATALOG NUMBER: GKO-PB2B-735-U-T1

Iso-Footcandle Lines of Horizontal Illumination

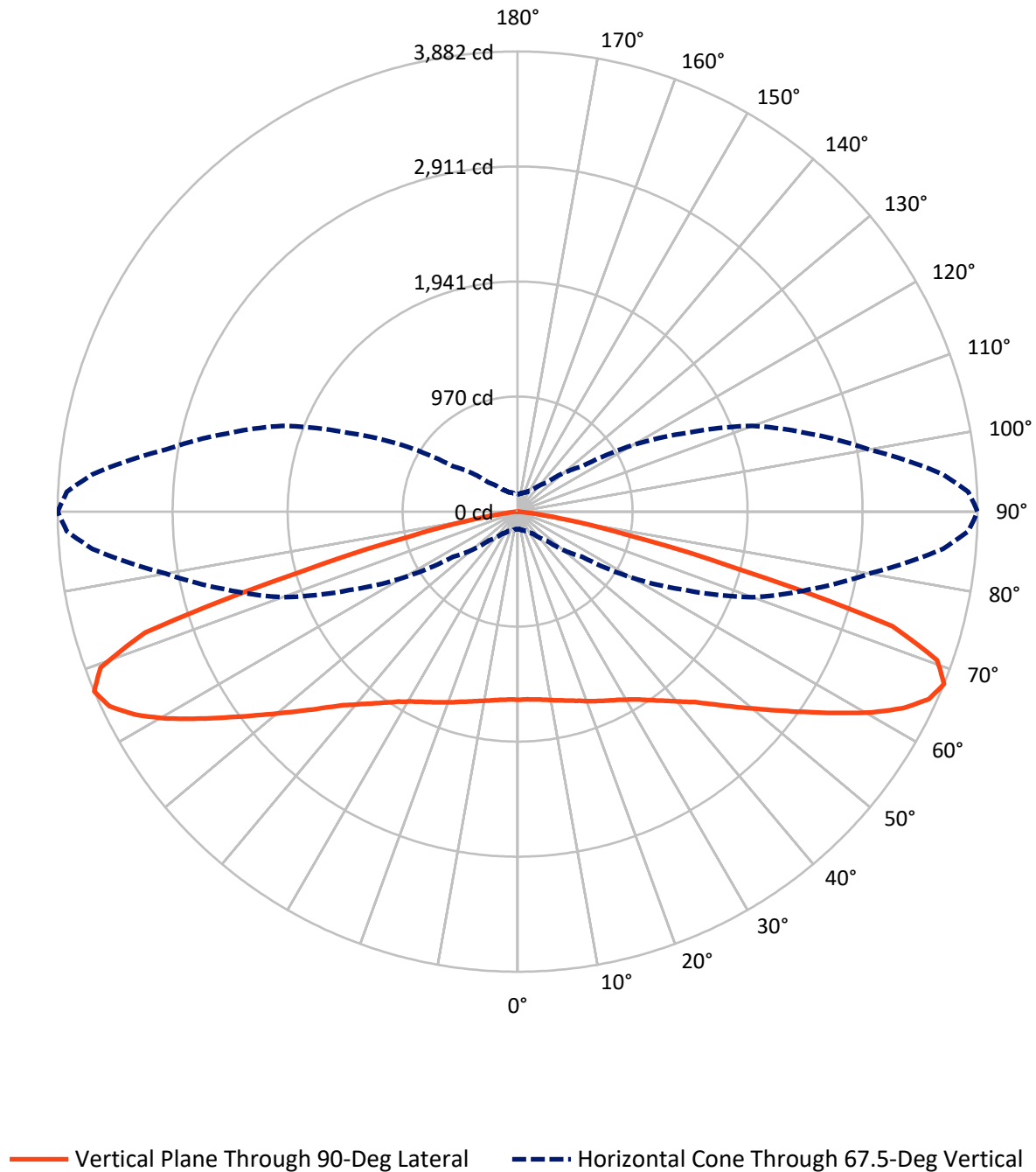
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type I - Short - N/A

REPORT NUMBER: P1212010
CATALOG NUMBER: GKO-PB2B-735-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P1212010

CATALOG NUMBER: GKO-PB2B-735-U-T1

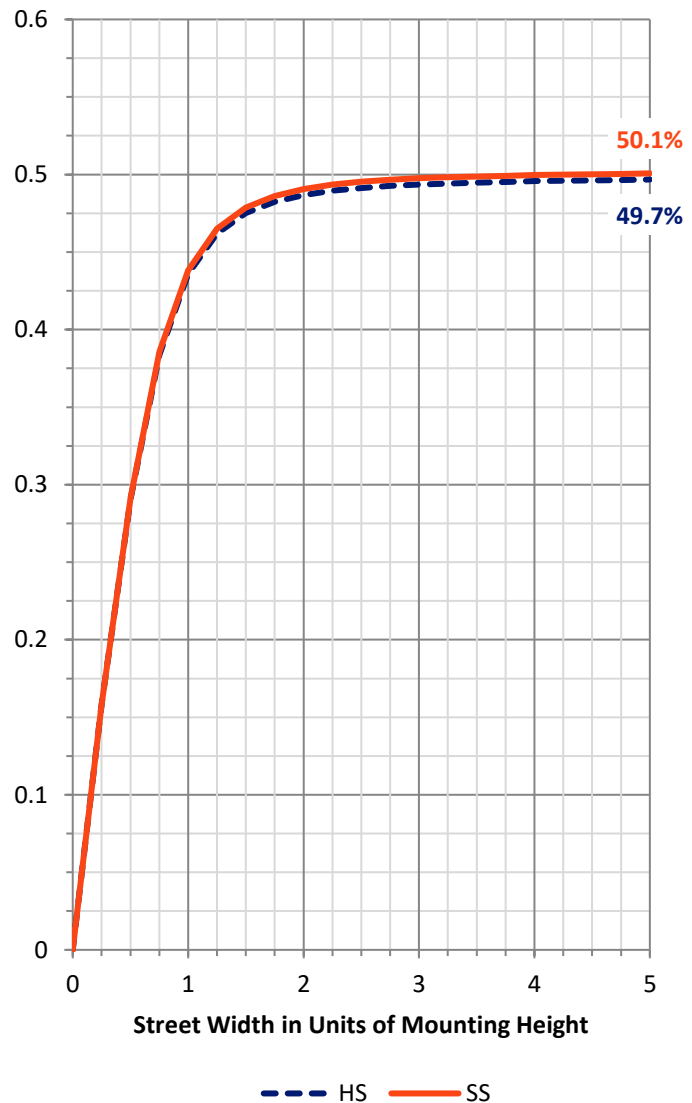
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3198.1	0.0	3198.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3198.1	0.0	3198.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6396.1	0.0	6396.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	2.4
10°-20°	458.7	7.2
20°-30°	762.7	11.9
30°-40°	1013.2	15.8
40°-50°	1142.3	17.9
50°-60°	1174.6	18.4
60°-70°	1110.0	17.4
70°-80°	543.4	8.5
80°-90°	38.9	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°	6396.1	100.0
0°-180°	6396.1	100.0

Coefficient of Utilization



REPORT NUMBER: P1212010

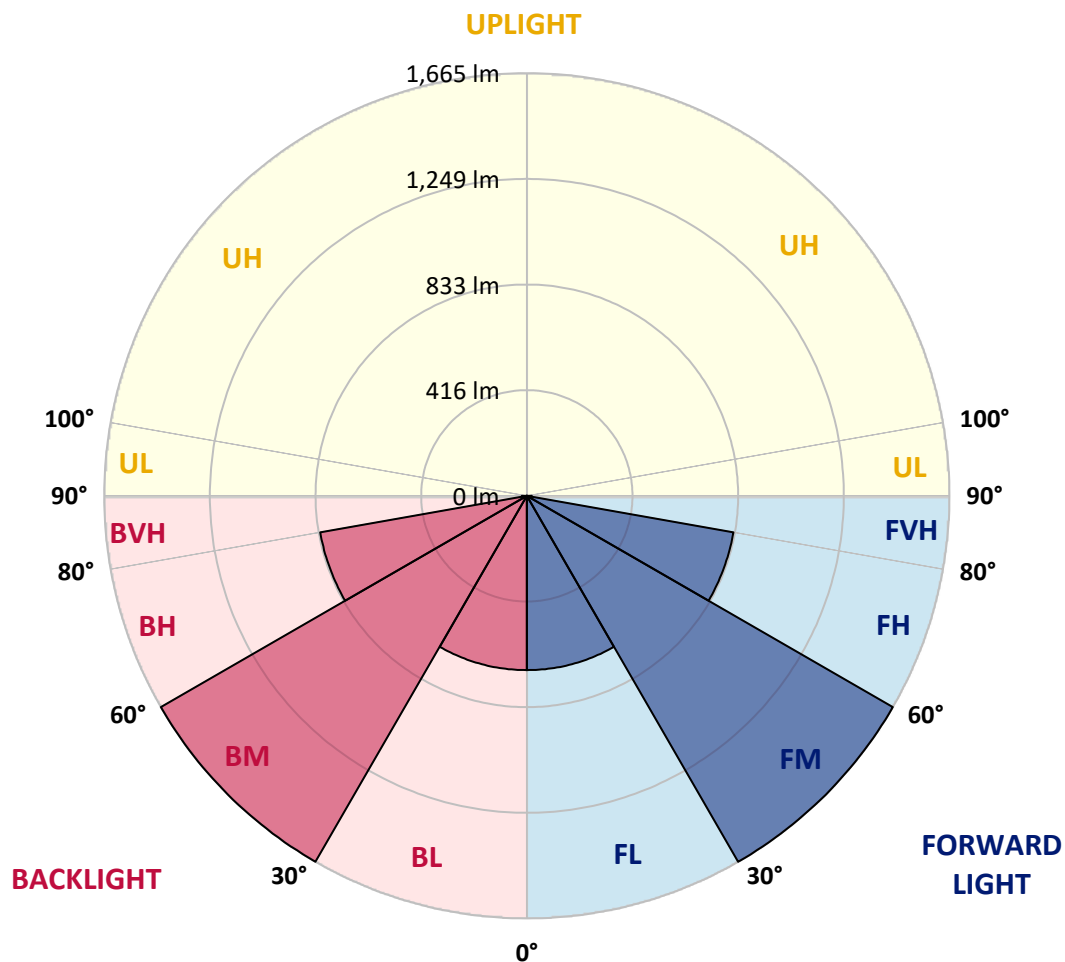
CATALOG NUMBER: GKO-PB2B-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	686.8	10.7			
FM	(30°-60°)	1665.1	26.0			
FH	(60°-80°)	826.7	12.9			G1/1800
FVH	(80°-90°)	19.4	0.3			G1/100
BL	(0°-30°)	686.8	10.7	B2/1000		
BM	(30°-60°)	1665.1	26.0	B2/2500		
BH	(60°-80°)	826.7	12.9	B2/1000		G2/1000
BVH	(80°-90°)	19.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





REPORT NUMBER: P1212010

CATALOG NUMBER: GKO-PB2B-735-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1	1587.1
2.5°	1588.3	1590.7	1586.0	1586.0	1588.3	1589.5	1589.5	1590.7	1588.3	1588.3	1587.1
5°	1588.3	1589.5	1587.1	1587.1	1589.5	1593.0	1591.9	1594.2	1594.2	1593.0	1593.0
7.5°	1587.1	1589.5	1587.1	1588.3	1591.9	1598.9	1598.9	1598.9	1601.3	1603.7	1603.7
10°	1586.0	1588.3	1589.5	1590.7	1595.4	1606.0	1608.4	1609.6	1613.1	1616.6	1616.6
12.5°	1580.1	1582.4	1586.0	1590.7	1598.9	1613.1	1617.8	1621.3	1627.2	1630.8	1633.1
15°	1571.8	1573.0	1581.3	1590.7	1603.7	1621.3	1630.8	1636.7	1644.9	1649.6	1653.2
17.5°	1560.0	1561.2	1574.2	1588.3	1607.2	1632.0	1647.3	1656.7	1665.0	1672.0	1676.8
20°	1544.7	1548.2	1563.6	1586.0	1613.1	1642.6	1665.0	1681.5	1689.7	1696.8	1703.9
22.5°	1525.8	1529.4	1548.2	1580.1	1619.0	1656.7	1686.2	1707.4	1718.0	1727.5	1735.7
25°	1497.5	1502.2	1524.7	1565.9	1621.3	1672.0	1709.8	1736.9	1746.3	1758.1	1765.2
27.5°	1453.9	1457.4	1484.6	1537.6	1614.3	1688.6	1736.9	1768.7	1779.4	1792.3	1799.4
30°	1385.5	1392.6	1425.6	1491.6	1596.6	1701.5	1768.7	1800.6	1813.5	1826.5	1836.0
32.5°	1297.1	1307.7	1344.2	1429.1	1562.4	1706.2	1802.9	1839.5	1856.0	1870.1	1881.9
35°	1187.4	1198.0	1241.7	1349.0	1508.1	1696.8	1837.1	1884.3	1904.3	1923.2	1937.4
37.5°	1062.4	1071.9	1124.9	1247.6	1430.3	1667.3	1864.3	1933.8	1960.9	1985.7	2004.6
40°	936.3	946.9	1004.6	1135.5	1336.0	1610.7	1876.0	1988.1	2022.3	2054.1	2077.7
42.5°	799.5	812.4	877.3	1016.4	1226.3	1532.9	1866.6	2041.1	2083.6	2127.2	2162.6
45°	678.0	680.4	751.1	885.5	1106.1	1432.7	1833.6	2091.8	2149.6	2210.9	2261.6
47.5°	561.3	566.0	627.3	760.6	981.1	1319.5	1773.5	2131.9	2223.9	2302.9	2377.2
50°	457.5	463.4	518.8	637.9	856.1	1195.7	1692.1	2155.5	2287.6	2394.9	2498.6
52.5°	372.6	379.7	425.7	530.6	729.9	1066.0	1591.9	2159.0	2345.3	2486.8	2624.8
55°	310.1	314.8	350.2	433.9	608.4	931.5	1477.5	2141.4	2383.1	2569.4	2753.3
57.5°	261.8	266.5	291.3	357.3	498.8	793.6	1338.3	2100.1	2403.1	2641.3	2883.0
60°	227.6	231.1	248.8	296.0	410.3	663.9	1188.6	2027.0	2397.2	2686.1	2990.3
62.5°	202.8	204.0	219.3	252.3	338.4	541.2	1020.0	1917.3	2348.9	2692.0	3063.5
65°	180.4	181.6	191.0	214.6	278.3	435.1	844.3	1766.4	2256.9	2650.8	3074.1
67.5°	146.2	148.6	162.7	180.4	228.8	344.3	665.0	1568.3	2113.1	2543.4	3013.9
70°	116.7	117.9	132.1	152.1	186.3	271.2	510.6	1301.8	1887.8	2368.9	2858.3
72.5°	87.3	89.6	102.6	122.6	152.1	209.9	369.1	984.6	1509.3	1997.5	2489.2
75°	69.6	70.7	75.5	94.3	117.9	159.2	248.8	596.7	909.1	1235.8	1525.8
77.5°	59.0	60.1	60.1	73.1	87.3	107.3	132.1	237.0	384.4	547.1	725.2
80°	48.3	50.7	46.0	54.2	62.5	62.5	61.3	113.2	181.6	257.1	337.2
82.5°	35.4	37.7	35.4	37.7	37.7	34.2	31.8	42.4	57.8	79.0	86.1
85°	24.8	25.9	28.3	25.9	24.8	20.0	15.3	11.8	7.1	8.3	11.8
87.5°	16.5	20.0	23.6	22.4	18.9	15.3	10.6	7.1	3.5	4.7	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212010
 CATALOG NUMBER: GKO-PB2B-735-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1587.1	1587.1	1587.1
2.5°	1588.3	1587.1	1586.0
5°	1594.2	1593.0	1591.9
7.5°	1602.5	1602.5	1602.5
10°	1615.4	1617.8	1617.8
12.5°	1632.0	1634.3	1634.3
15°	1652.0	1653.2	1655.5
17.5°	1676.8	1677.9	1677.9
20°	1706.2	1705.1	1707.4
22.5°	1735.7	1735.7	1735.7
25°	1766.4	1766.4	1766.4
27.5°	1801.8	1801.8	1799.4
30°	1840.7	1840.7	1840.7
32.5°	1887.8	1889.0	1890.2
35°	1948.0	1950.3	1953.9
37.5°	2016.4	2022.3	2025.8
40°	2097.7	2100.1	2106.0
42.5°	2188.5	2195.6	2196.8
45°	2301.7	2313.5	2318.2
47.5°	2435.0	2451.5	2459.7
50°	2583.5	2602.4	2614.2
52.5°	2745.1	2775.7	2789.9
55°	2917.2	2970.3	2985.6
57.5°	3111.8	3183.7	3205.0
60°	3302.8	3404.2	3438.4
62.5°	3465.5	3608.2	3650.7
65°	3579.9	3752.1	3814.6
67.5°	3603.5	3807.5	3881.8
70°	3462.0	3670.7	3756.8
72.5°	3010.4	3199.1	3306.4
75°	1778.2	1913.8	1880.8
77.5°	892.6	931.5	937.4
80°	391.5	415.1	424.5
82.5°	96.7	99.0	112.0
85°	13.0	15.3	14.1
87.5°	4.7	4.7	5.9
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

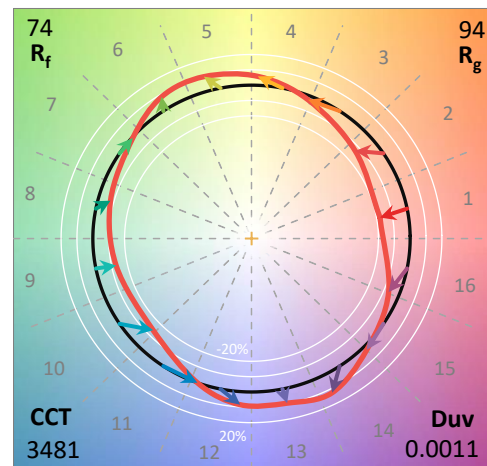
Data in this report applies to families of products including GKO-PB1C

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

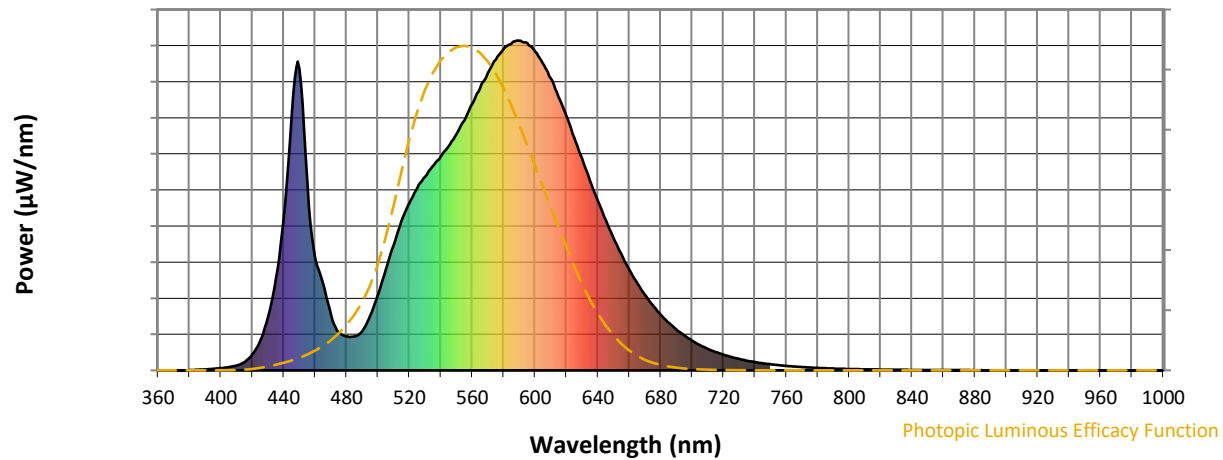
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.1

REPORT NUMBER: SP1-2511-595-2

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

REPORT NUMBER: SP1-2511-595-2

Photopic Flux vs. Wavelength

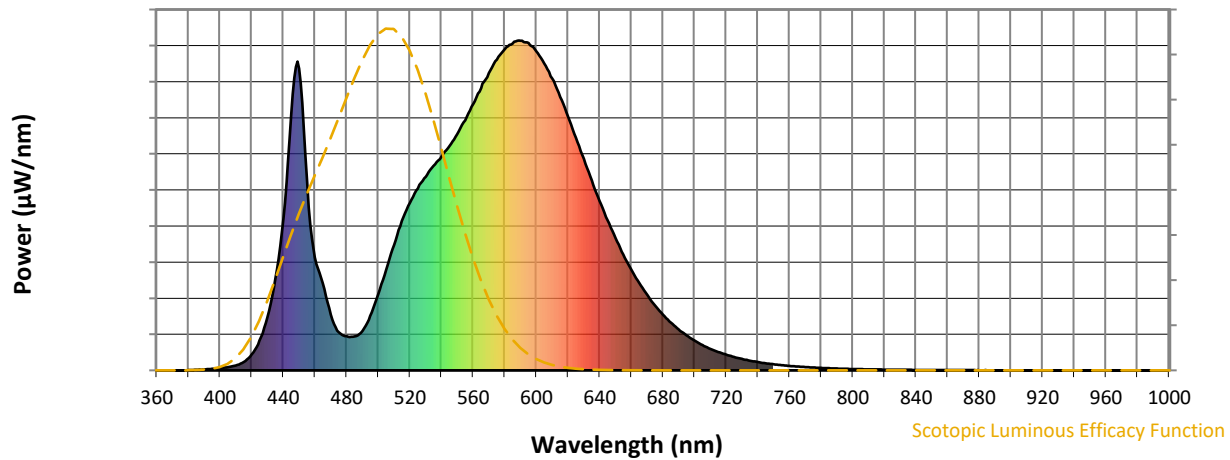


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2511-595-2

Scotopic Flux vs. Wavelength



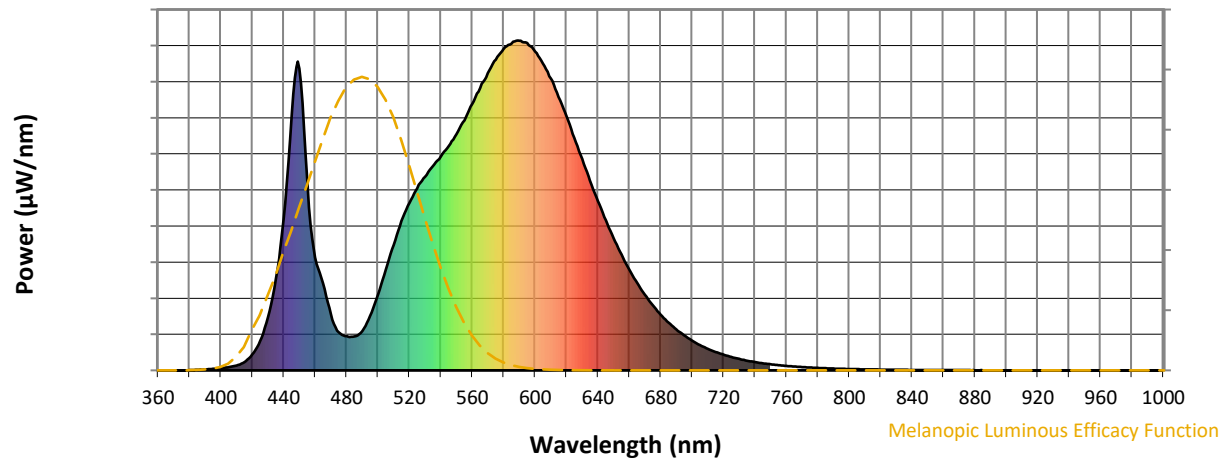
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2511-595-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.56

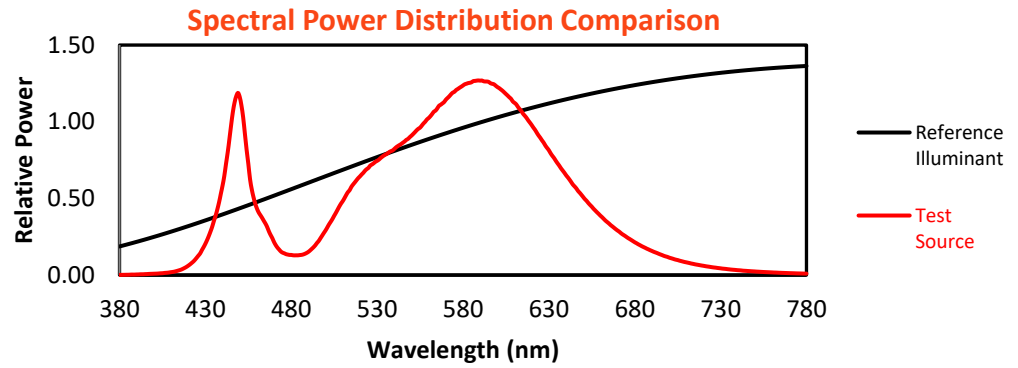
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	771	NR	750	19	NR	880	1	NR
365	0	NR	495	165	NR	625	705	NR	755	16	NR	885	1	NR
370	0	NR	500	230	NR	630	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			

REPORT NUMBER: SP1-2511-595-2

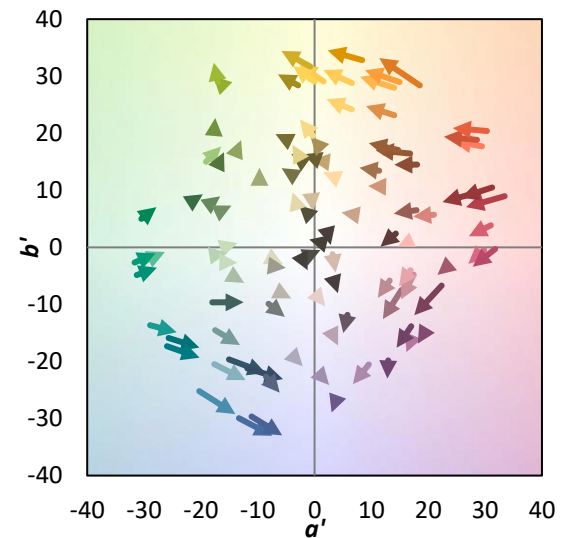
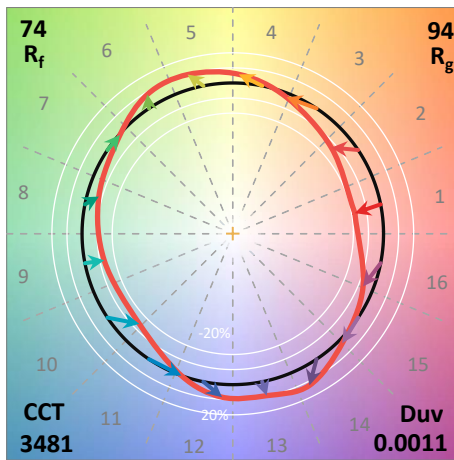
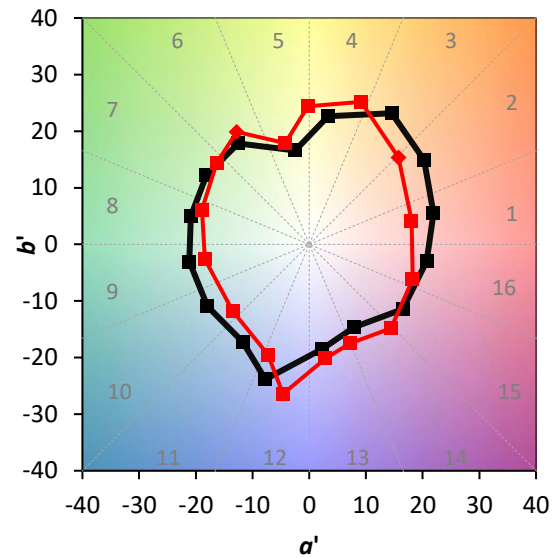
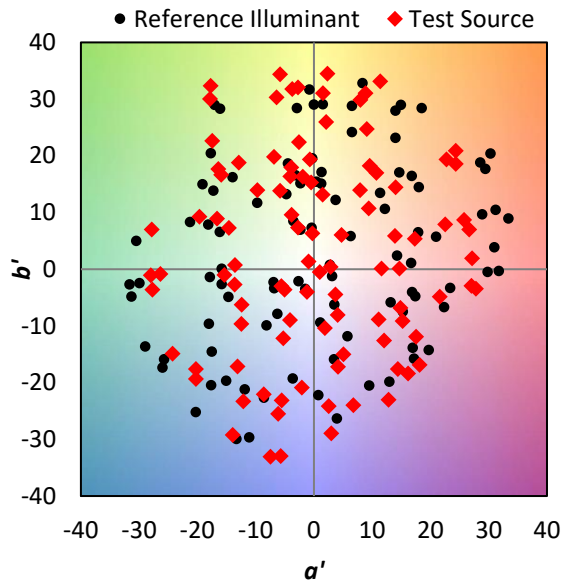
TM-30-18

Summary

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

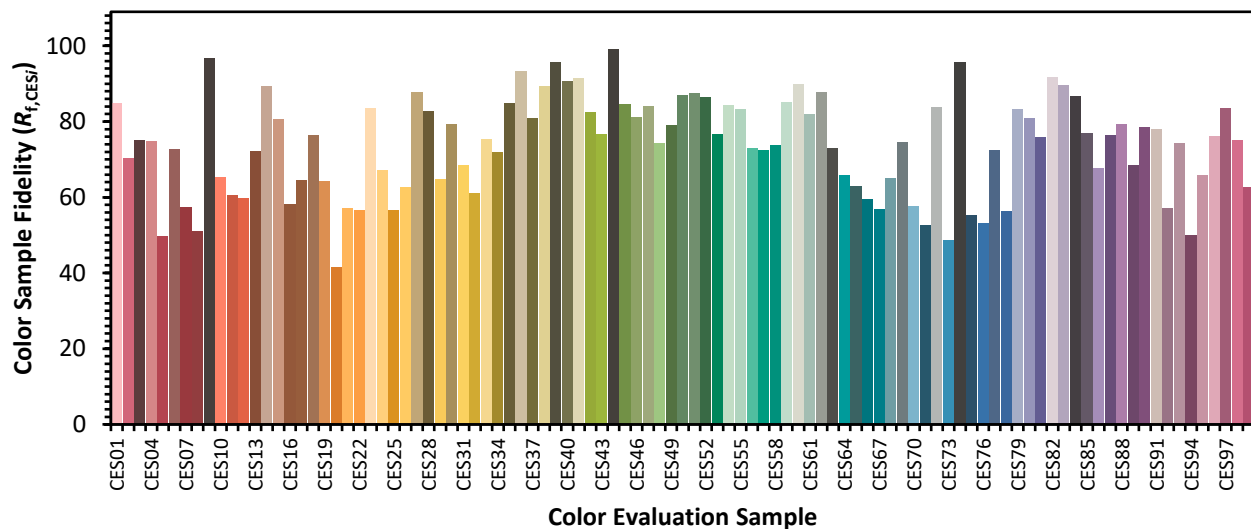


Color Vector Graphics

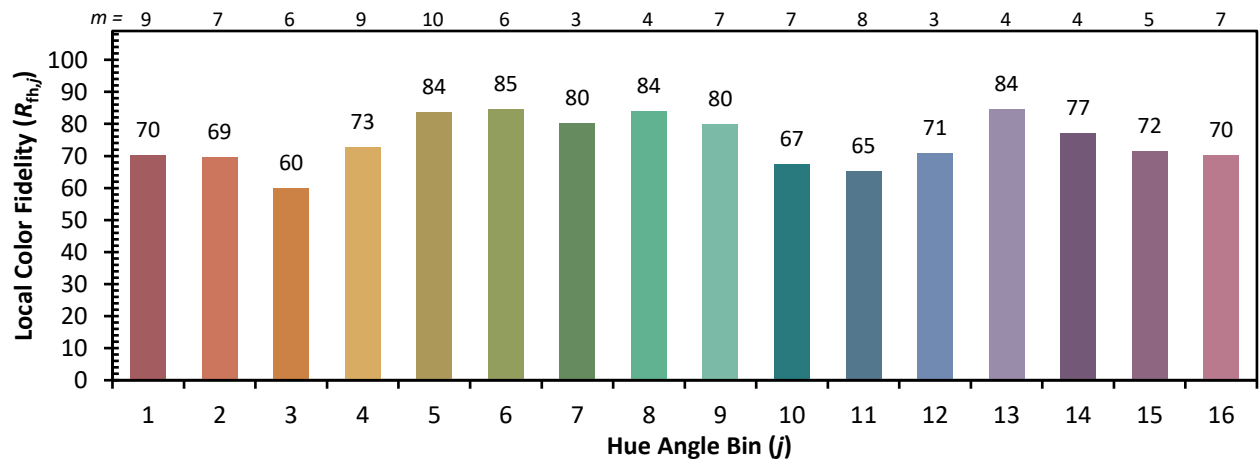
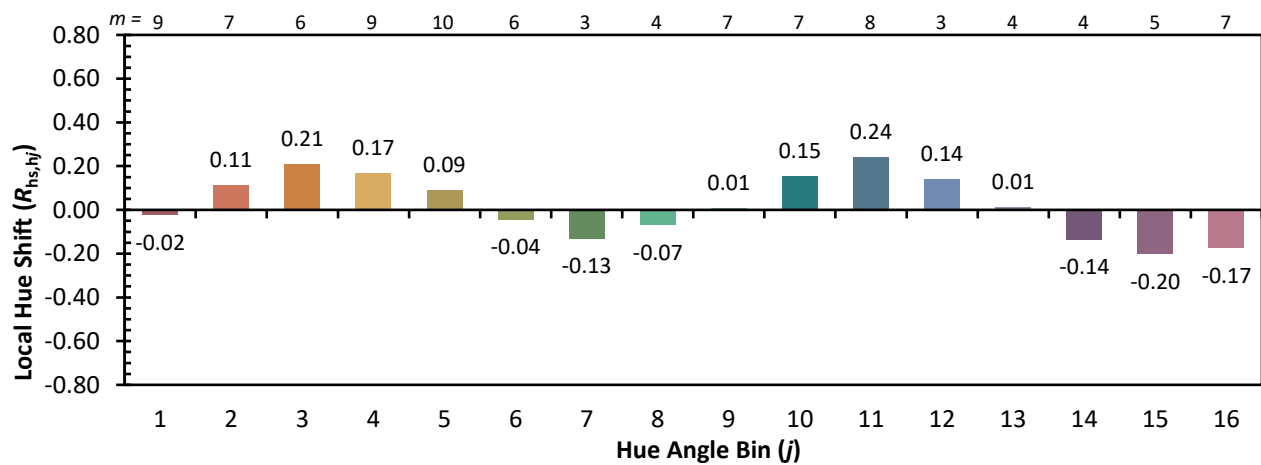
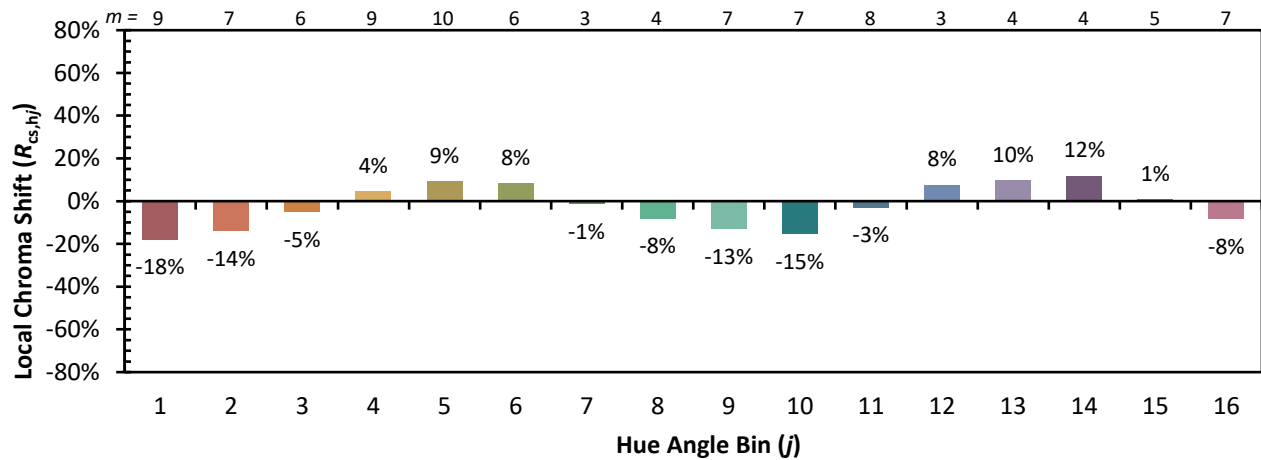


Individual Sample Fidelity Index ($R_{f,i}$)

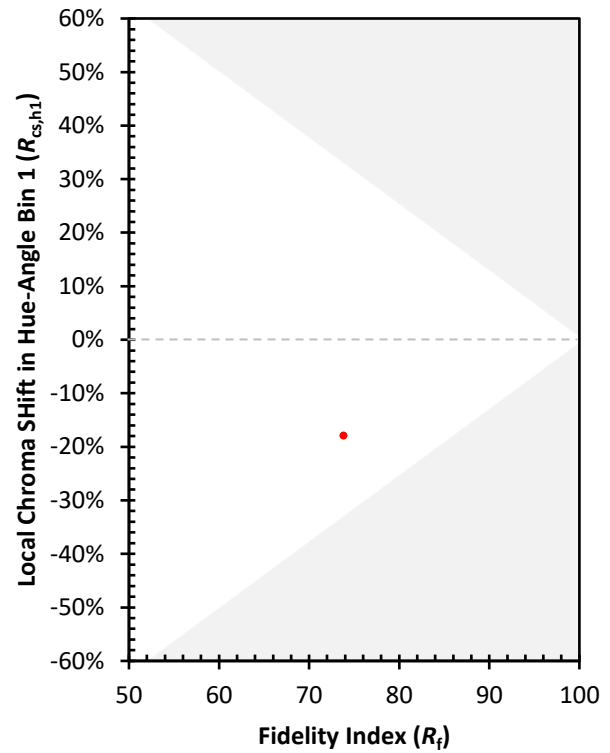
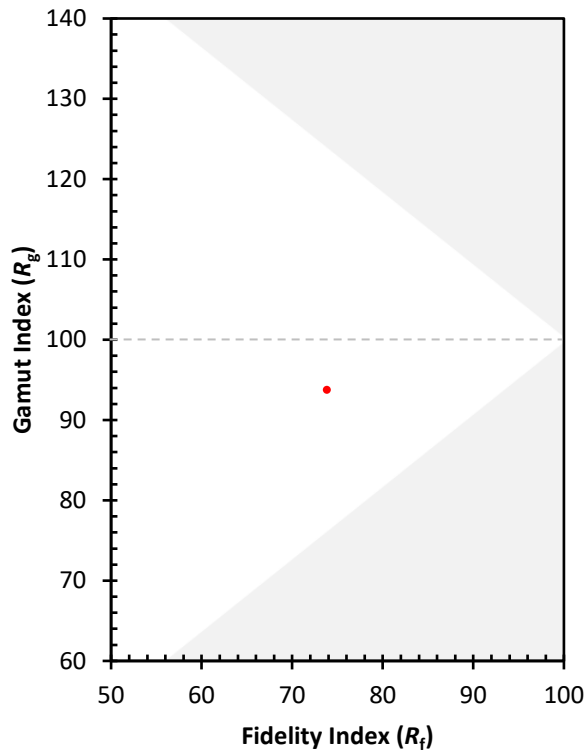
CES01 = 86	CES26 = 63	CES51 = 88	CES76 = 53
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 73
CES03 = 31	CES28 = 83	CES53 = 77	CES78 = 56
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 83
CES05 = 48	CES30 = 79	CES55 = 83	CES80 = 81
CES06 = 51	CES31 = 69	CES56 = 73	CES81 = 76
CES07 = 40	CES32 = 61	CES57 = 72	CES82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