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: P1212013

Luminaire Tested: **GKO-PB1D-827-U-T1**

Issue Date: 11/5/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1212013
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	11/5/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB1D-827-U-T1
Description:	GEKKO WALL PACK 3500LM 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:	3252.9 lumens
Efficiency:	N/A
Efficacy:	127.1 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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REPORT NUMBER: P1212013
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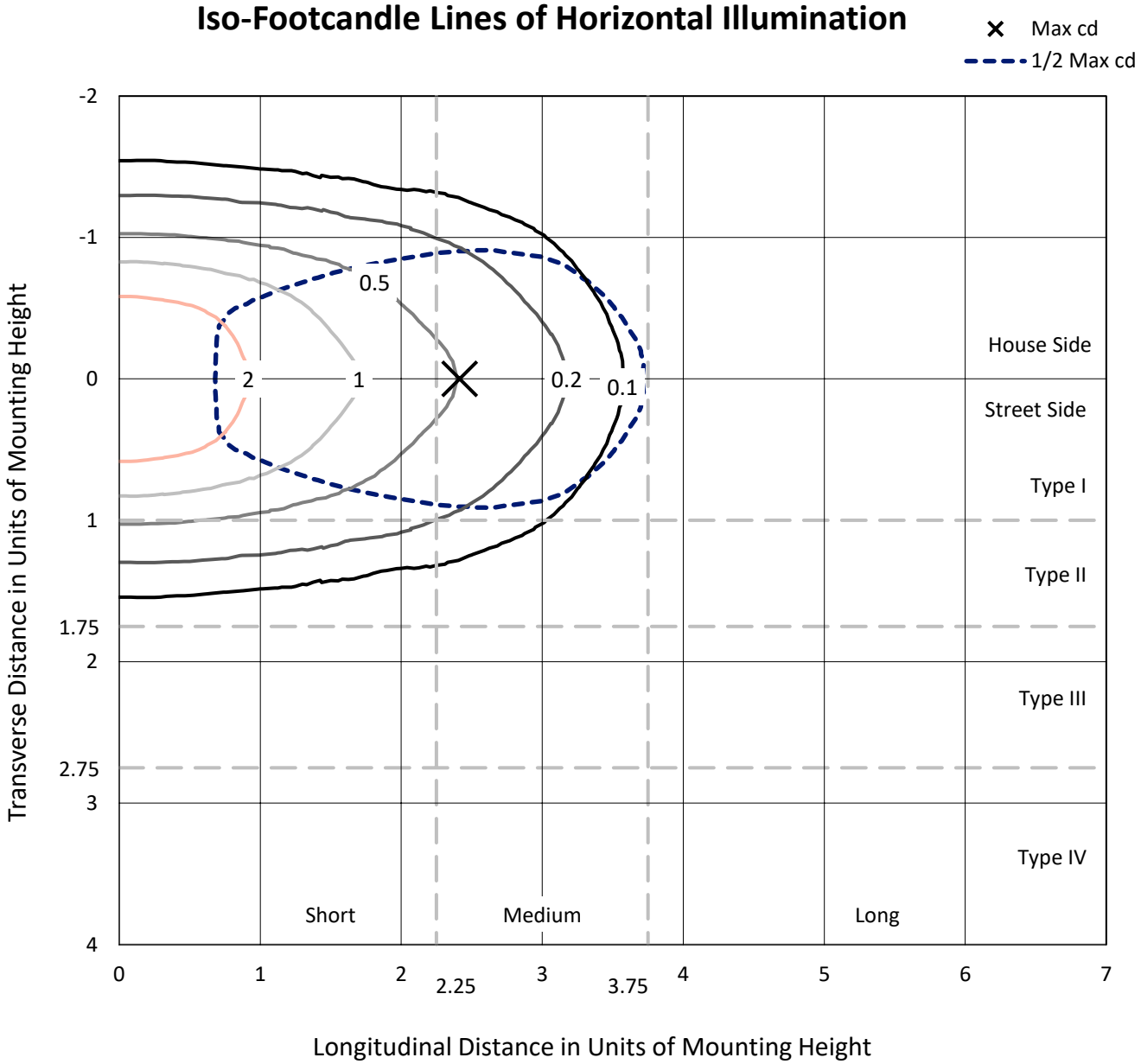
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
Type I - Short - N/A

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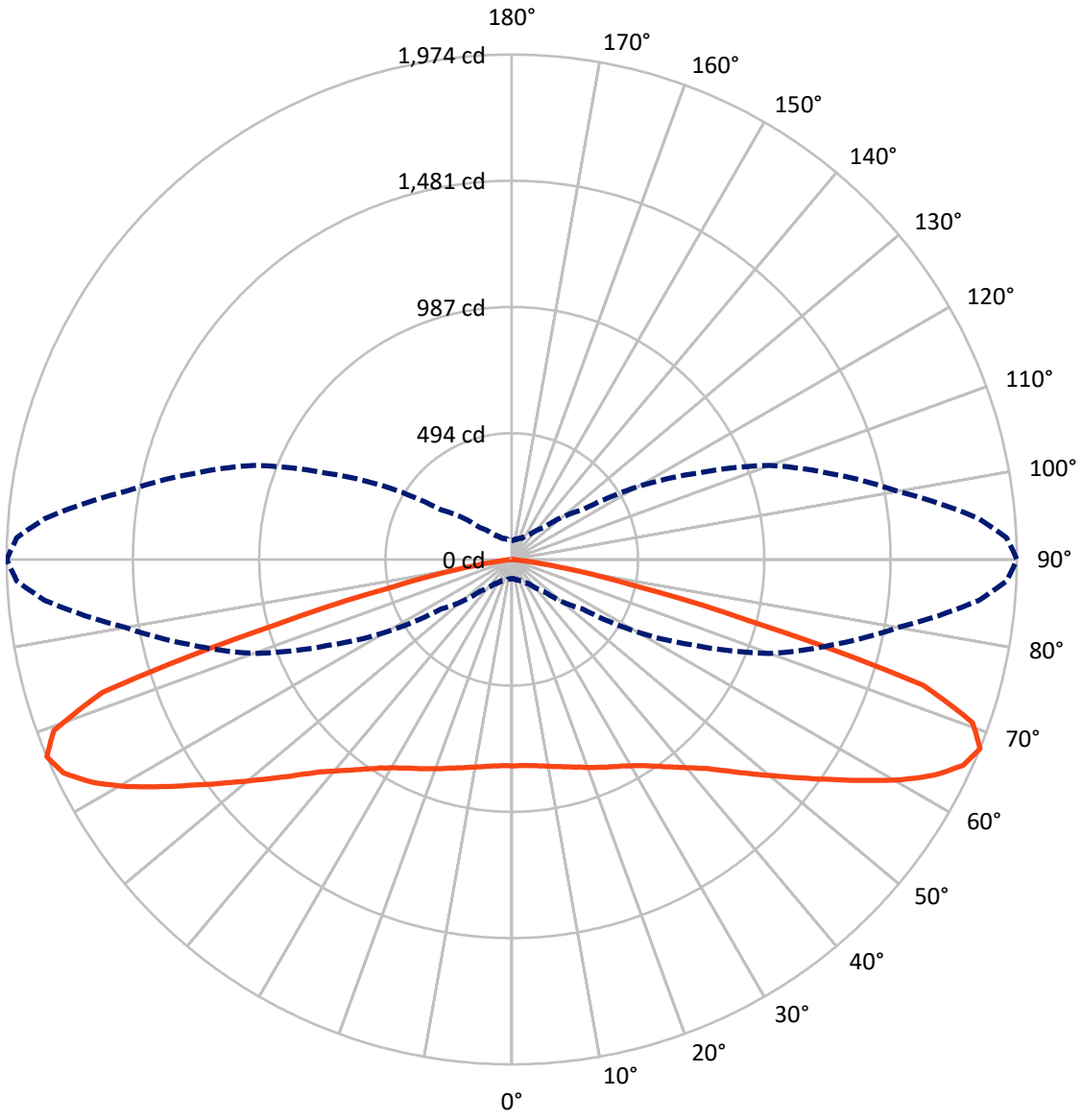
Luminous Intensity Polar Plot



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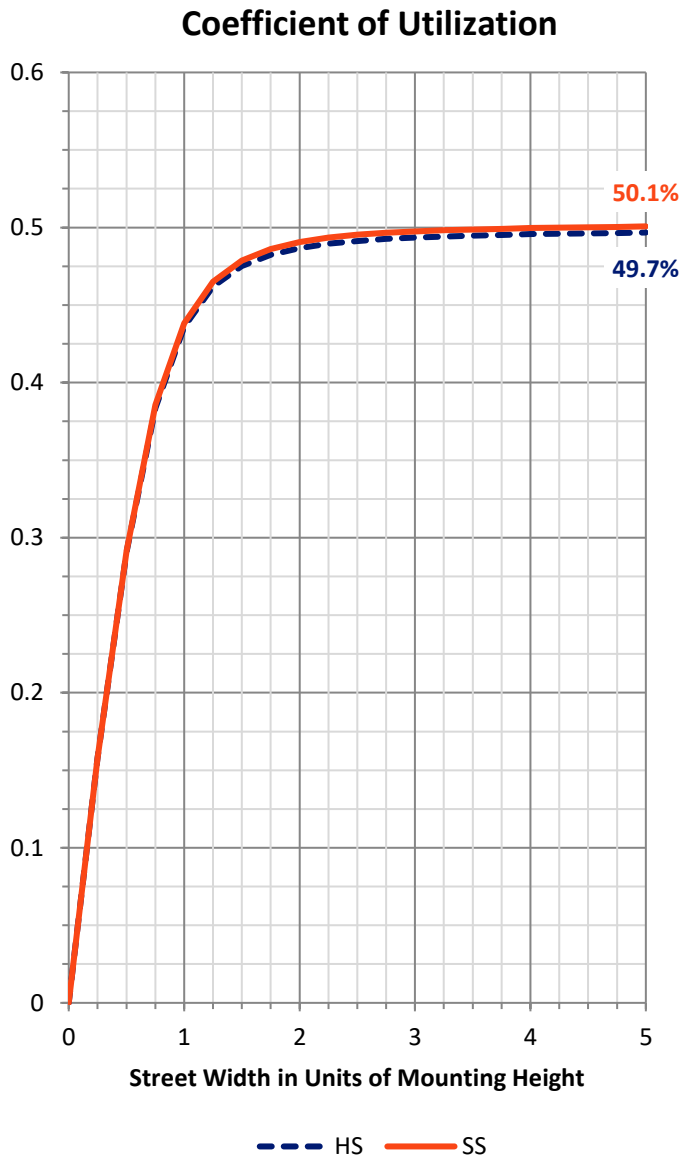
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1626.5	0.0	1626.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1626.5	0.0	1626.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3252.9	0.0	3252.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	2.4
10°-20°	233.3	7.2
20°-30°	387.9	11.9
30°-40°	515.3	15.8
40°-50°	581.0	17.9
50°-60°	597.4	18.4
60°-70°	564.5	17.4
70°-80°	276.4	8.5
80°-90°	19.8	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°	3252.9	100.0
0°-180°	3252.9	100.0



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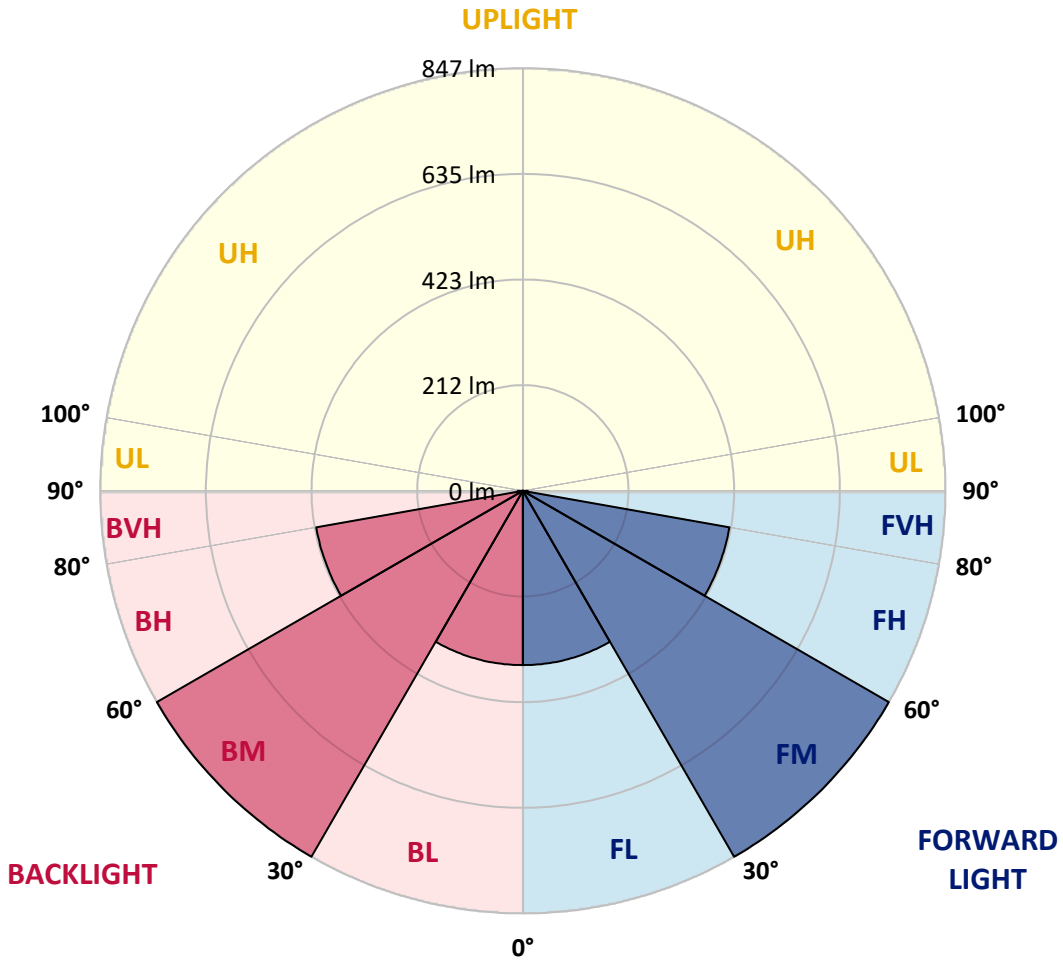
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	349.3	10.7			
FM	(30°-60°)	846.8	26.0			
FH	(60°-80°)	420.5	12.9			G0/660
FVH	(80°-90°)	9.9	0.3			G0/10
BL	(0°-30°)	349.3	10.7	B1/500		
BM	(30°-60°)	846.8	26.0	B1/1000		
BH	(60°-80°)	420.5	12.9	B1/500		G1/500
BVH	(80°-90°)	9.9	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°	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2
2.5°	807.8	809.0	806.6	806.6	807.8	808.4	808.4	809.0	807.8	807.8	807.2
5°	807.8	808.4	807.2	807.2	808.4	810.2	809.6	810.8	810.8	810.2	810.2
7.5°	807.2	808.4	807.2	807.8	809.6	813.2	813.2	813.2	814.4	815.6	815.6
10°	806.6	807.8	808.4	809.0	811.4	816.8	818.0	818.6	820.4	822.2	822.2
12.5°	803.6	804.8	806.6	809.0	813.2	820.4	822.8	824.6	827.6	829.4	830.6
15°	799.4	800.0	804.2	809.0	815.6	824.6	829.4	832.4	836.6	839.0	840.8
17.5°	793.4	794.0	800.6	807.8	817.4	830.0	837.8	842.6	846.8	850.4	852.8
20°	785.6	787.4	795.2	806.6	820.4	835.4	846.8	855.2	859.4	863.0	866.6
22.5°	776.0	777.8	787.4	803.6	823.4	842.6	857.6	868.4	873.7	878.5	882.7
25°	761.6	764.0	775.4	796.4	824.6	850.4	869.6	883.3	888.1	894.1	897.7
27.5°	739.4	741.2	755.0	782.0	821.0	858.8	883.3	899.5	904.9	911.5	915.1
30°	704.6	708.2	725.0	758.6	812.0	865.4	899.5	915.7	922.3	928.9	933.7
32.5°	659.7	665.1	683.6	726.8	794.6	867.8	916.9	935.5	943.9	951.1	957.1
35°	603.9	609.3	631.5	686.0	767.0	863.0	934.3	958.3	968.5	978.1	985.3
37.5°	540.3	545.1	572.1	634.5	727.4	848.0	948.1	983.5	997.3	1009.9	1019.5
40°	476.2	481.6	510.9	577.5	679.4	819.2	954.1	1011.1	1028.5	1044.7	1056.7
42.5°	406.6	413.2	446.2	516.9	623.7	779.6	949.3	1038.1	1059.7	1081.8	1099.8
45°	344.8	346.0	382.0	450.4	562.5	728.6	932.5	1063.8	1093.2	1124.4	1150.2
47.5°	285.5	287.9	319.0	386.8	498.9	671.1	901.9	1084.2	1131.0	1171.2	1209.0
50°	232.7	235.7	263.9	324.4	435.4	608.1	860.6	1096.2	1163.4	1218.0	1270.7
52.5°	189.5	193.1	216.5	269.9	371.2	542.1	809.6	1098.0	1192.8	1264.7	1334.9
55°	157.7	160.1	178.1	220.7	309.4	473.8	751.4	1089.0	1212.0	1306.7	1400.3
57.5°	133.1	135.5	148.1	181.7	253.7	403.6	680.6	1068.0	1222.2	1343.3	1466.2
60°	115.7	117.5	126.5	150.5	208.7	337.6	604.5	1030.9	1219.2	1366.1	1520.8
62.5°	103.1	103.7	111.5	128.3	172.1	275.3	518.7	975.1	1194.6	1369.1	1558.0
65°	91.8	92.4	97.1	109.1	141.5	221.3	429.4	898.3	1147.8	1348.1	1563.4
67.5°	*74.4*	*75.6*	*82.8*	*91.8*	*116.3*	*175.1*	*338.2*	*797.6*	*1074.6*	*1293.5*	*1532.8*
70°	59.4	60.0	67.2	77.4	94.8	137.9	259.7	662.1	960.1	1204.8	1453.6
72.5°	44.4	45.6	52.2	62.4	77.4	106.7	187.7	500.7	767.6	1015.9	1265.9
75°	35.4	36.0	38.4	48.0	60.0	81.0	126.5	303.4	462.4	628.5	776.0
77.5°	30.0	30.6	30.6	37.2	44.4	54.6	67.2	120.5	195.5	278.3	368.8
80°	24.6	25.8	23.4	27.6	31.8	31.8	31.2	57.6	92.4	130.7	171.5
82.5°	18.0	19.2	18.0	19.2	19.2	17.4	16.2	21.6	29.4	40.2	43.8
85°	12.6	13.2	14.4	13.2	12.6	10.2	7.8	6.0	3.6	4.2	6.0
87.5°	8.4	10.2	12.0	11.4	9.6	7.8	5.4	3.6	1.8	2.4	2.4
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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CATALOG NUMBER: GKO-PB1D-827-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	807.2	807.2	*807.2*
2.5°	807.8	807.2	*806.6*
5°	810.8	810.2	*809.6*
7.5°	815.0	815.0	*815.0*
10°	821.6	822.8	*822.8*
12.5°	830.0	831.2	*831.2*
15°	840.2	840.8	*842.0*
17.5°	852.8	853.4	*853.4*
20°	867.8	867.2	*868.4*
22.5°	882.7	882.7	*882.7*
25°	898.3	898.3	*898.3*
27.5°	916.3	916.3	*915.1*
30°	936.1	936.1	*936.1*
32.5°	960.1	960.7	*961.3*
35°	990.7	991.9	*993.7*
37.5°	1025.5	1028.5	*1030.3*
40°	1066.8	1068.0	*1071.0*
42.5°	1113.0	1116.6	*1117.2*
45°	1170.6	1176.6	*1179.0*
47.5°	1238.4	1246.8	*1251.0*
50°	1313.9	1323.5	*1329.5*
52.5°	1396.1	1411.7	*1418.9*
55°	1483.6	1510.6	*1518.4*
57.5°	1582.6	1619.2	*1630.0*
60°	1679.7	1731.3	*1748.7*
62.5°	1762.5	1835.1	*1856.6*
65°	1820.7	1908.2	*1940.0*
67.5°	*1832.7*	*1936.4*	*1974.2*
70°	1760.7	1866.8	*1910.6*
72.5°	1531.0	1627.0	*1681.5*
75°	904.3	973.3	*956.5*
77.5°	454.0	473.8	*476.8*
80°	199.1	211.1	*215.9*
82.5°	49.2	50.4	*57.0*
85°	6.6	7.8	*7.2*
87.5°	2.4	2.4	*3.0*
90°	0.0	0.0	*0.0*

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1121 Highway 74 South
Peachtree City, GA 30269

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*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

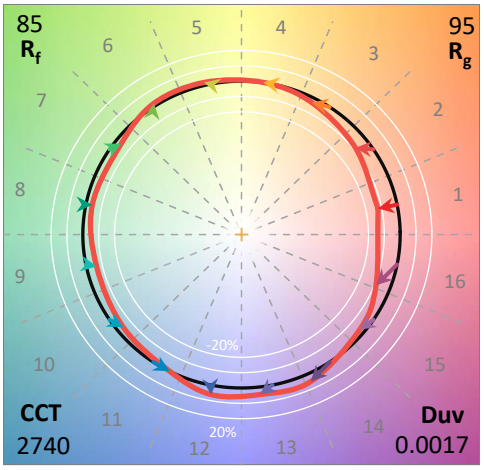
Test Information

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
Rf:	84.8
Rg:	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

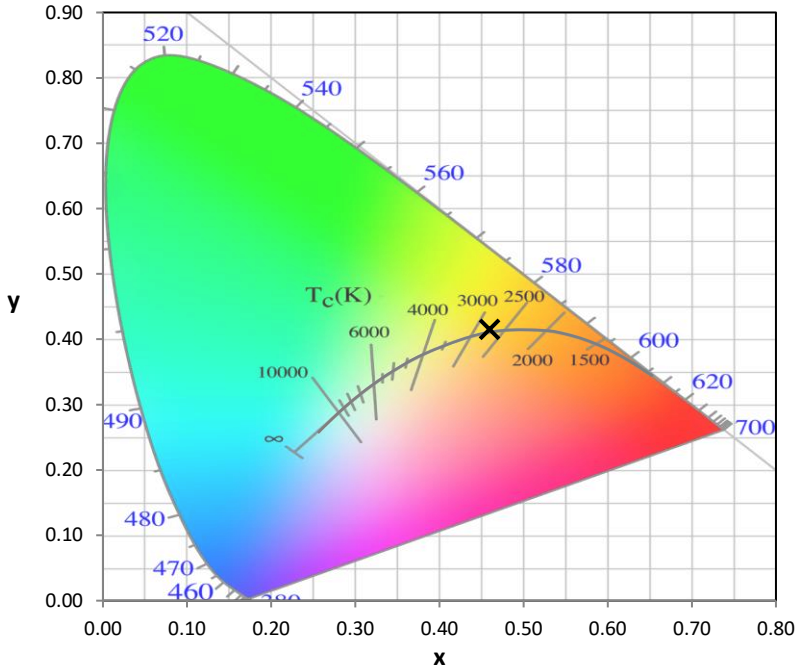
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2511-595-2

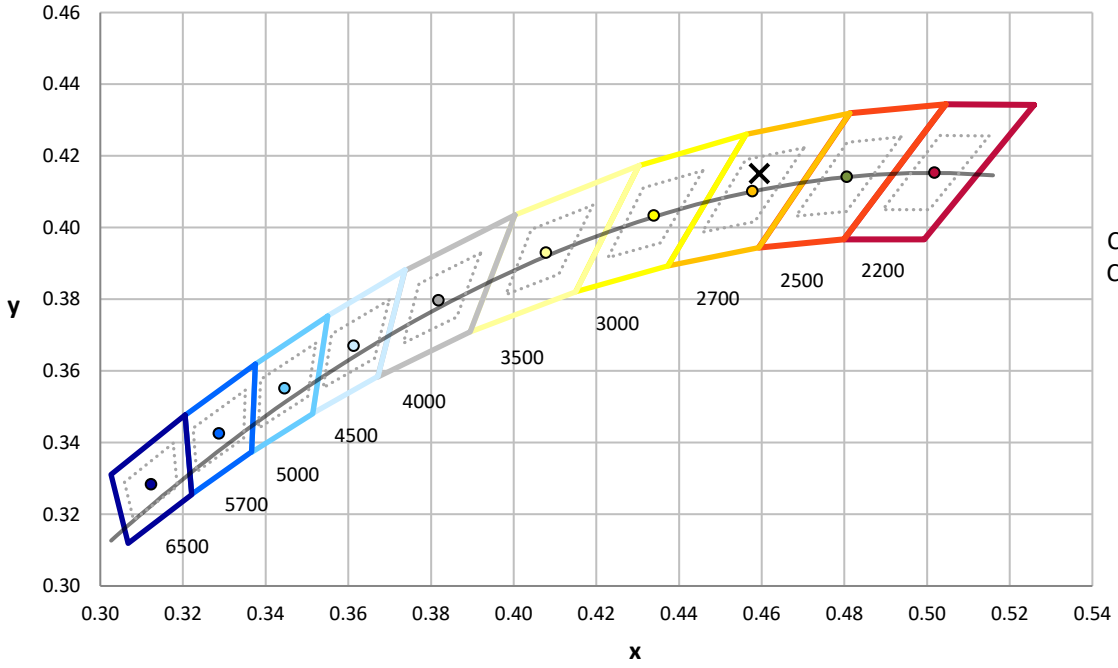
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2511-595-2

CIE 1931 Chromaticity Diagram



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

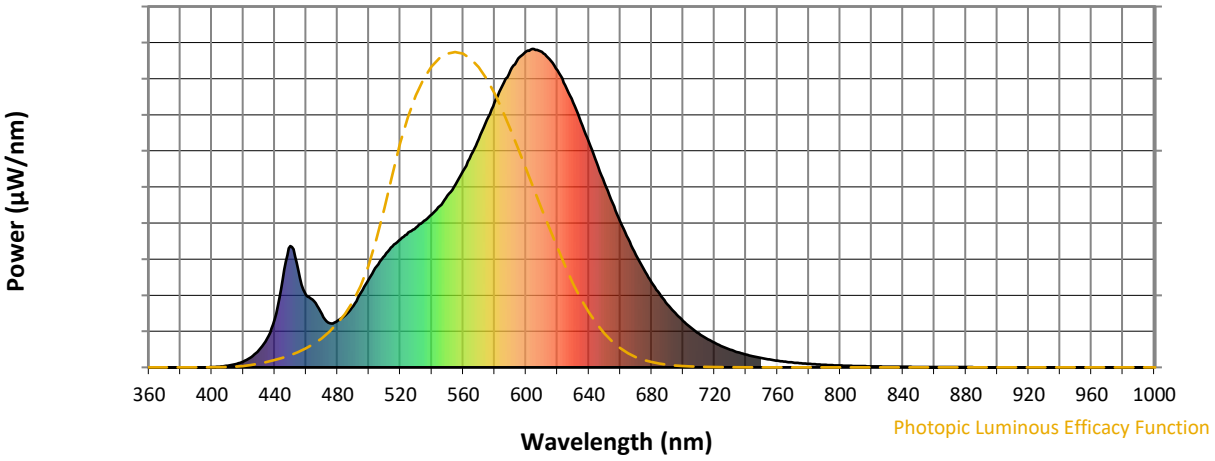


CCT = 2740K
CIE x = 0.4595
CIE y = 0.4151
Duv = 0.0017

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP3-2511-595-2

Photopic Flux vs. Wavelength

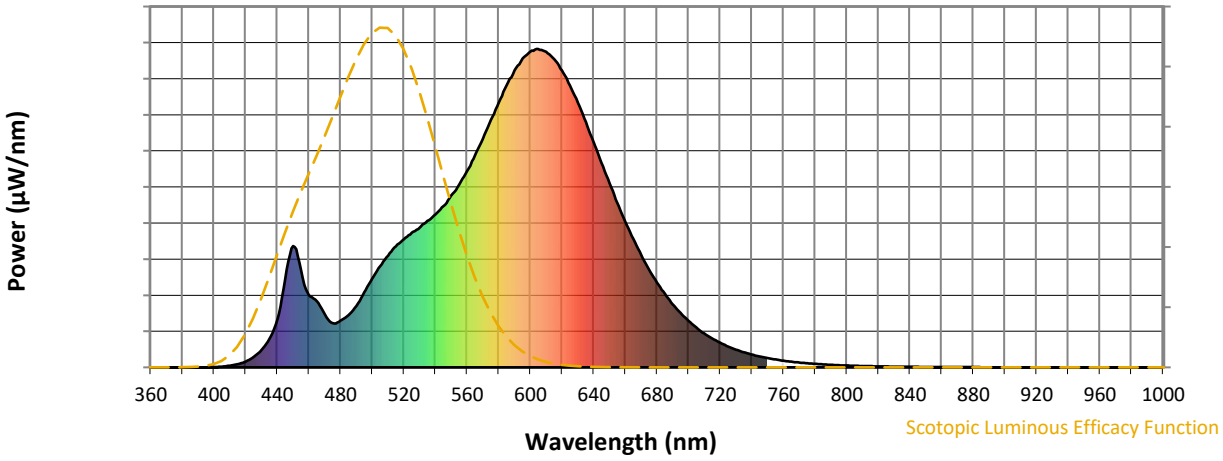


Photopic Lumens: NR

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	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			

REPORT NUMBER: SP3-2511-595-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.22**

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	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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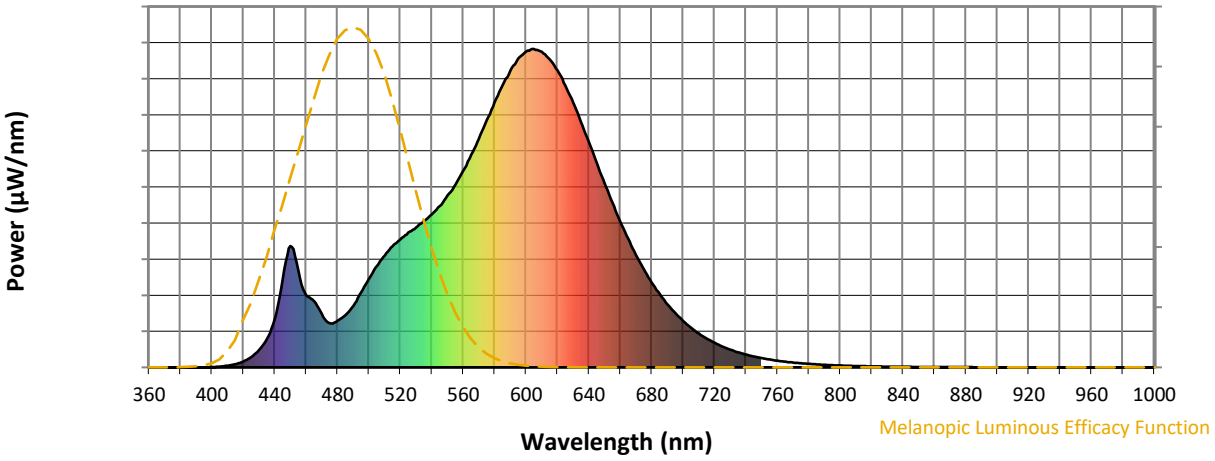
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.26**

λ (nm)	Power 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	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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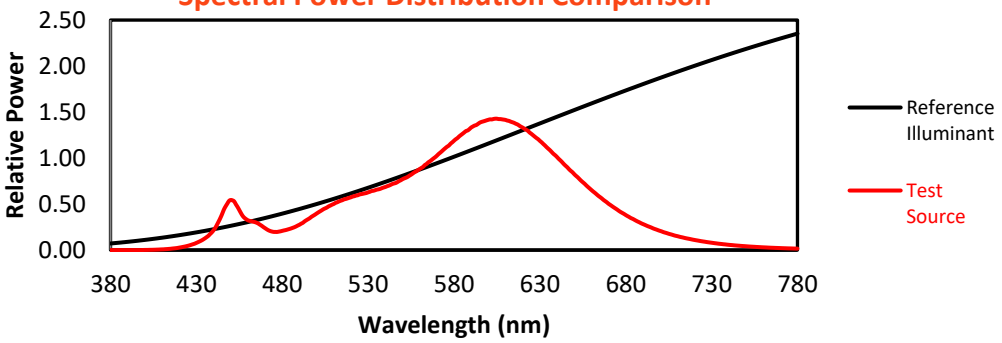
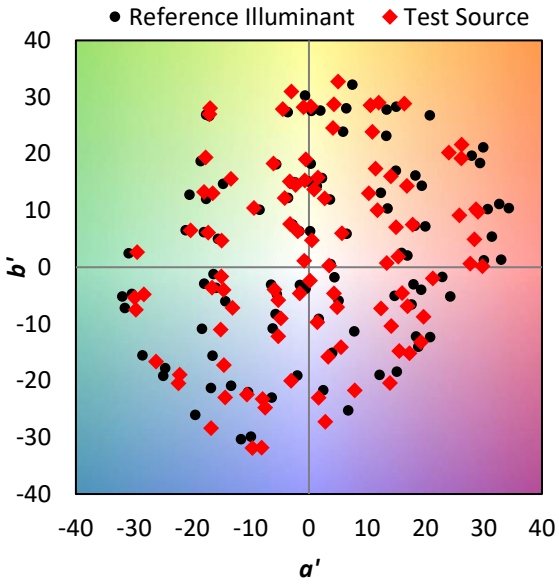
Summary

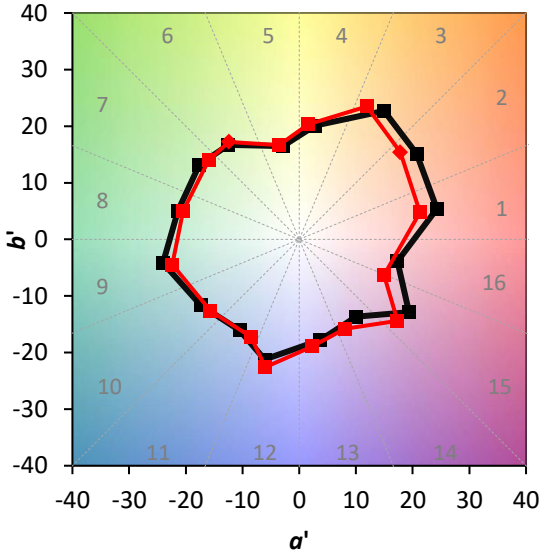
R_f = 84.8
R_g = 94.5
CIE R_a = 81.1
R_9 = -0.3

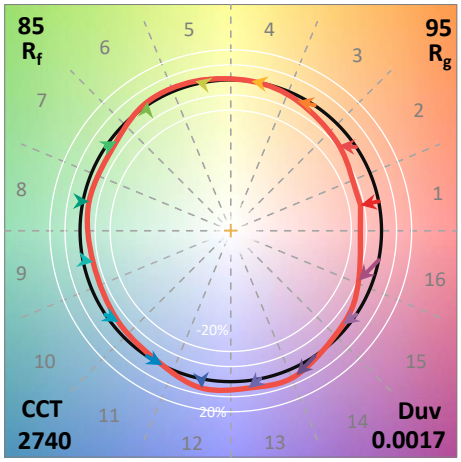
Spectral Power Distribution Comparison

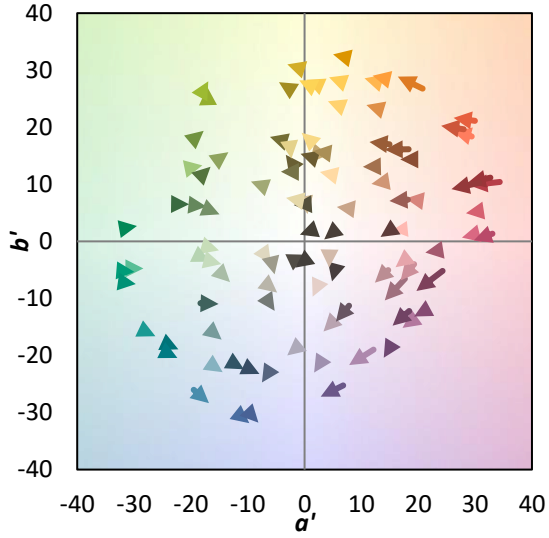


Color Vector Graphics









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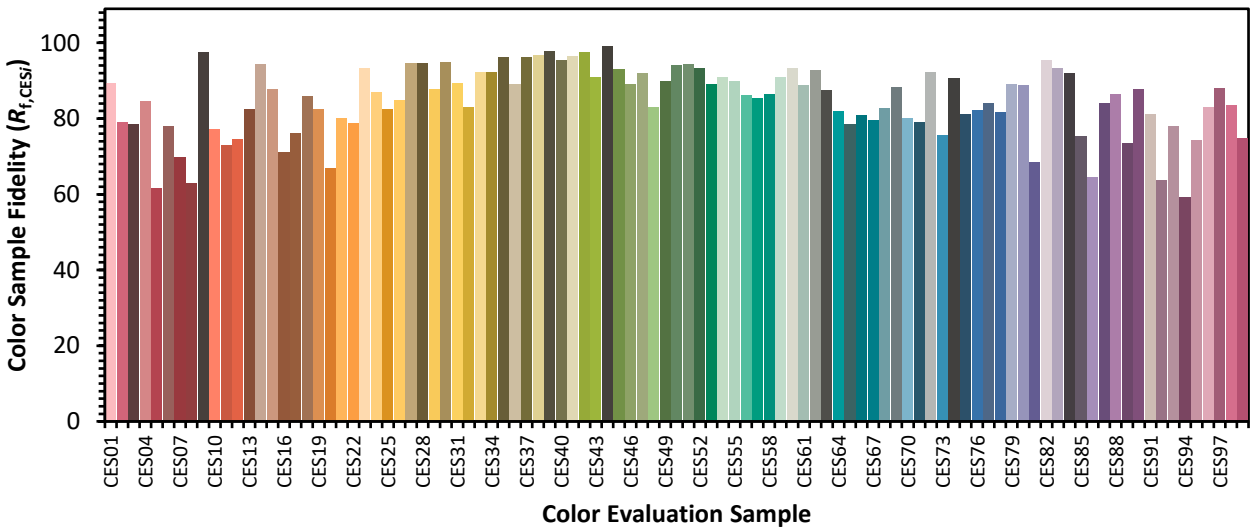
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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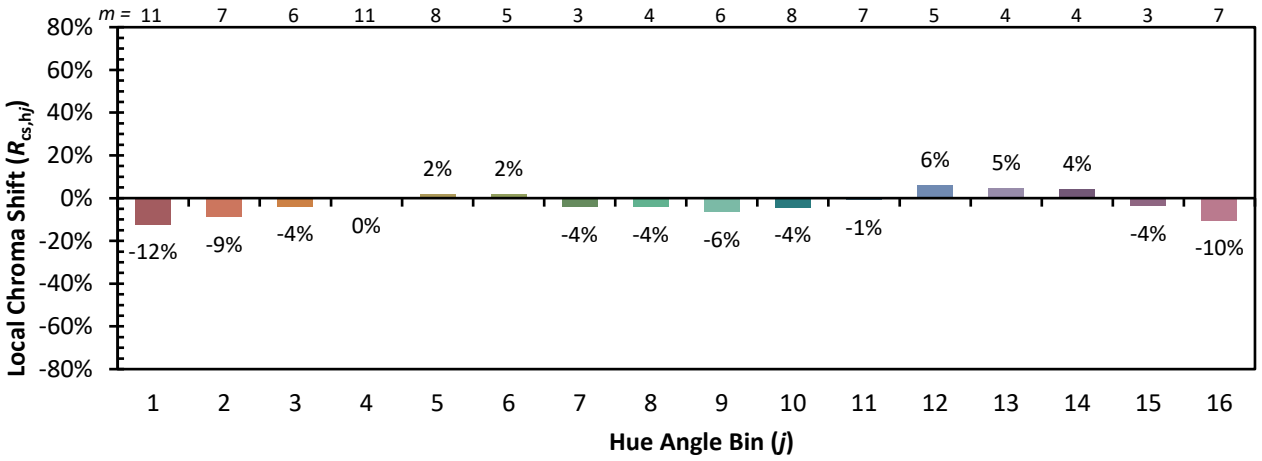
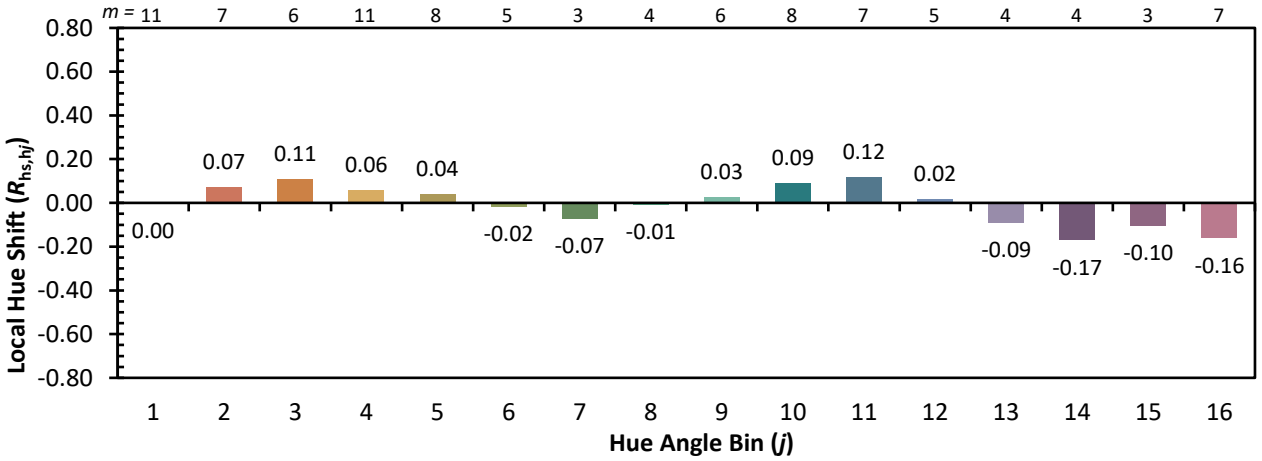
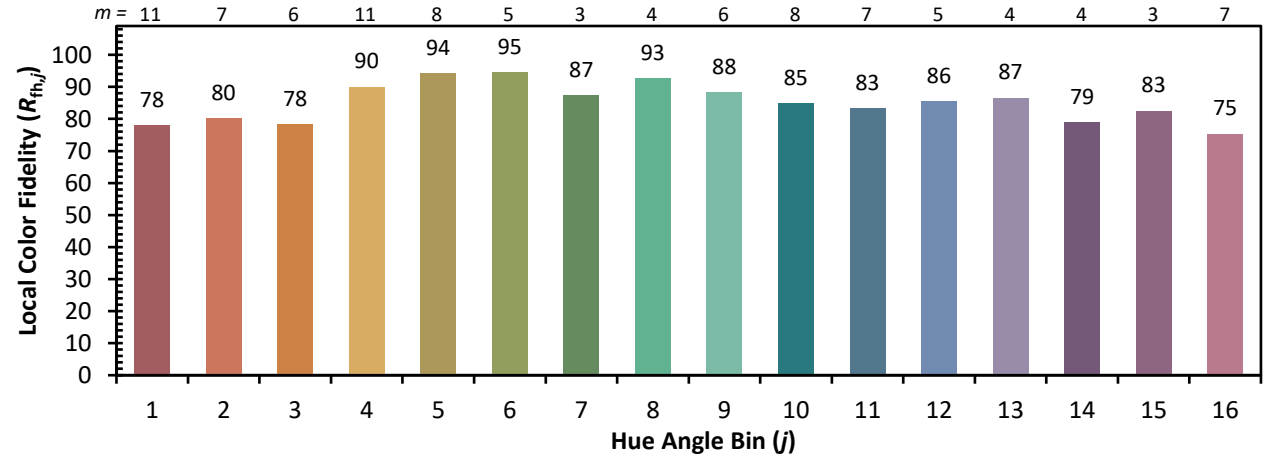
Color Rendition by Hue-Angle Bin







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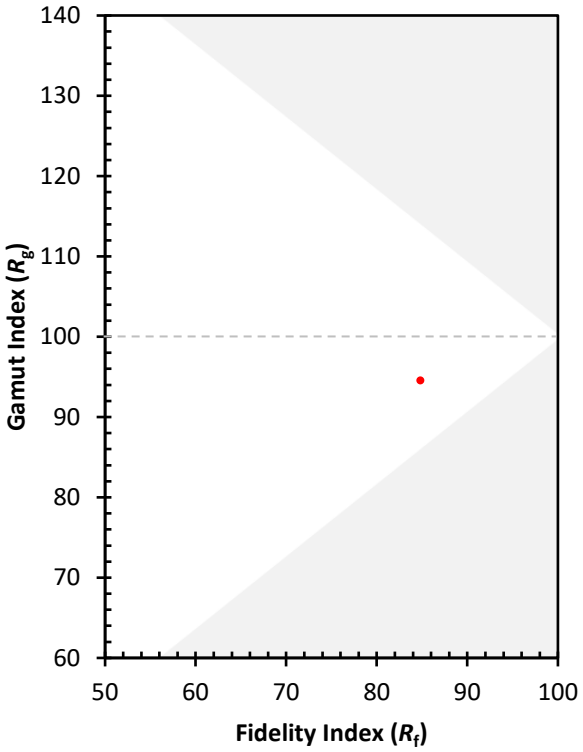
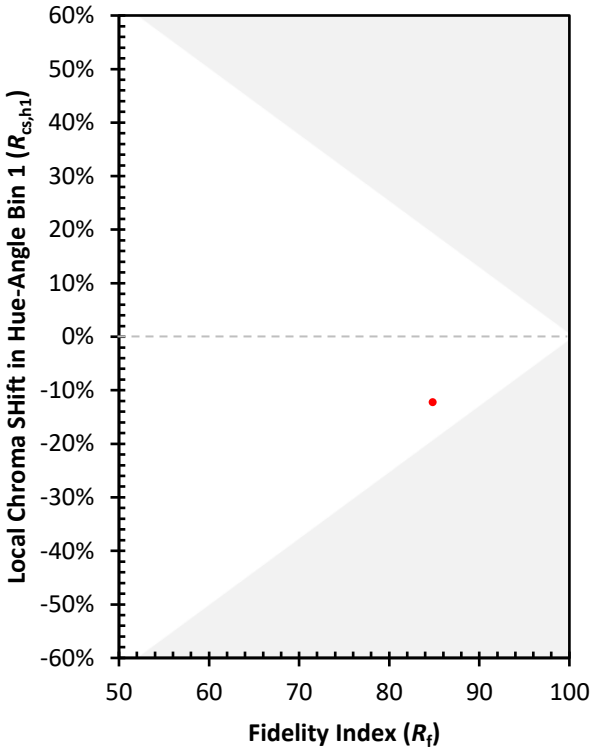
Measure Comparisons





(END OF REPORT)