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: P972425

Luminaire Tested: **GKO-PB1B-740-U-T1**

Issue Date: 02/27/2025

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:	P972425
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB1B-740-U-T1
Description:	GEKKO WALL PACK 1500LM PACKAGE 70CRI 4000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source:	(10) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1574.8 lumens
Efficiency:	N/A
Efficacy:	169.3 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):	9.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	14%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P972425
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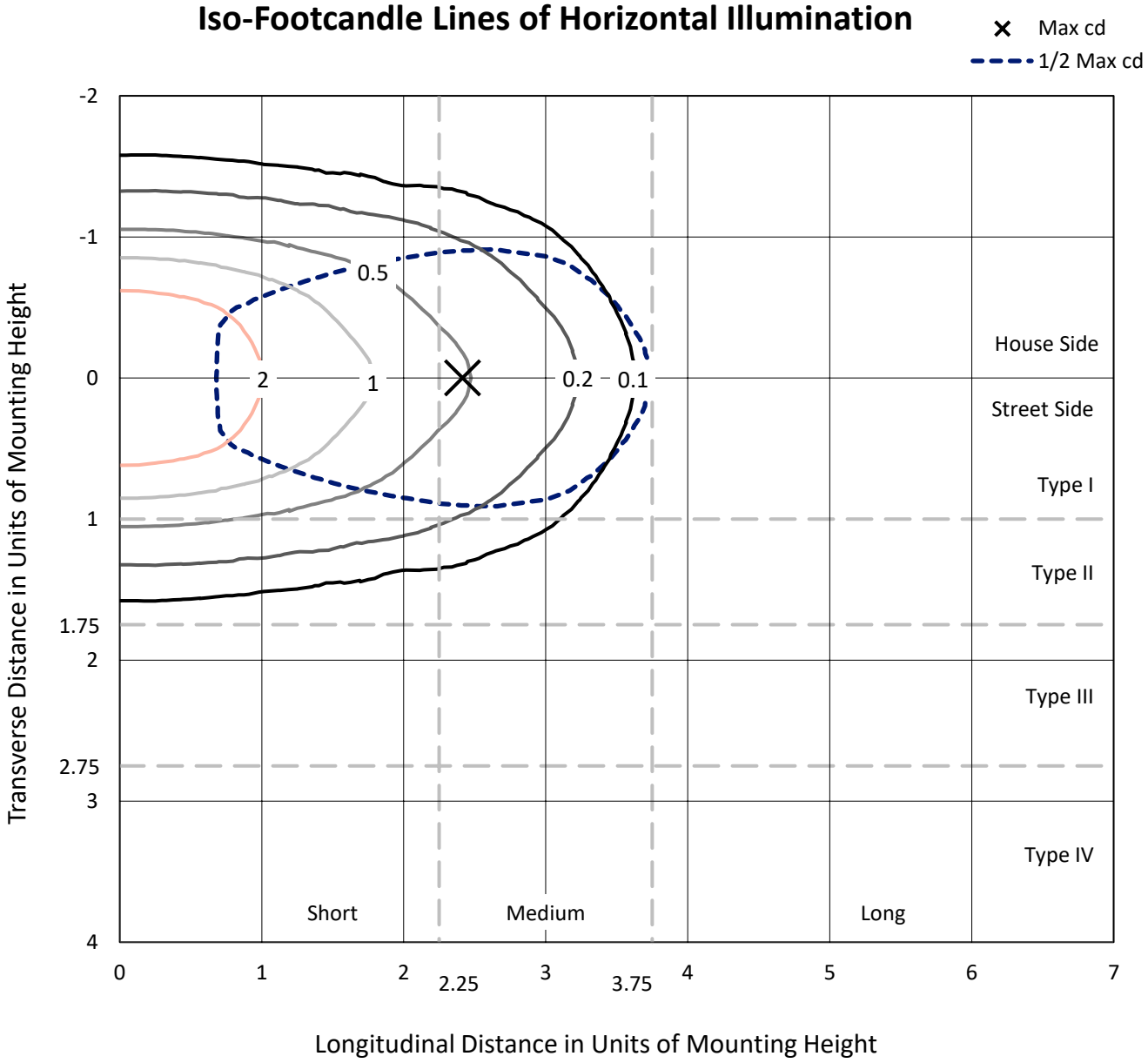
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
Type I - Short - N/A

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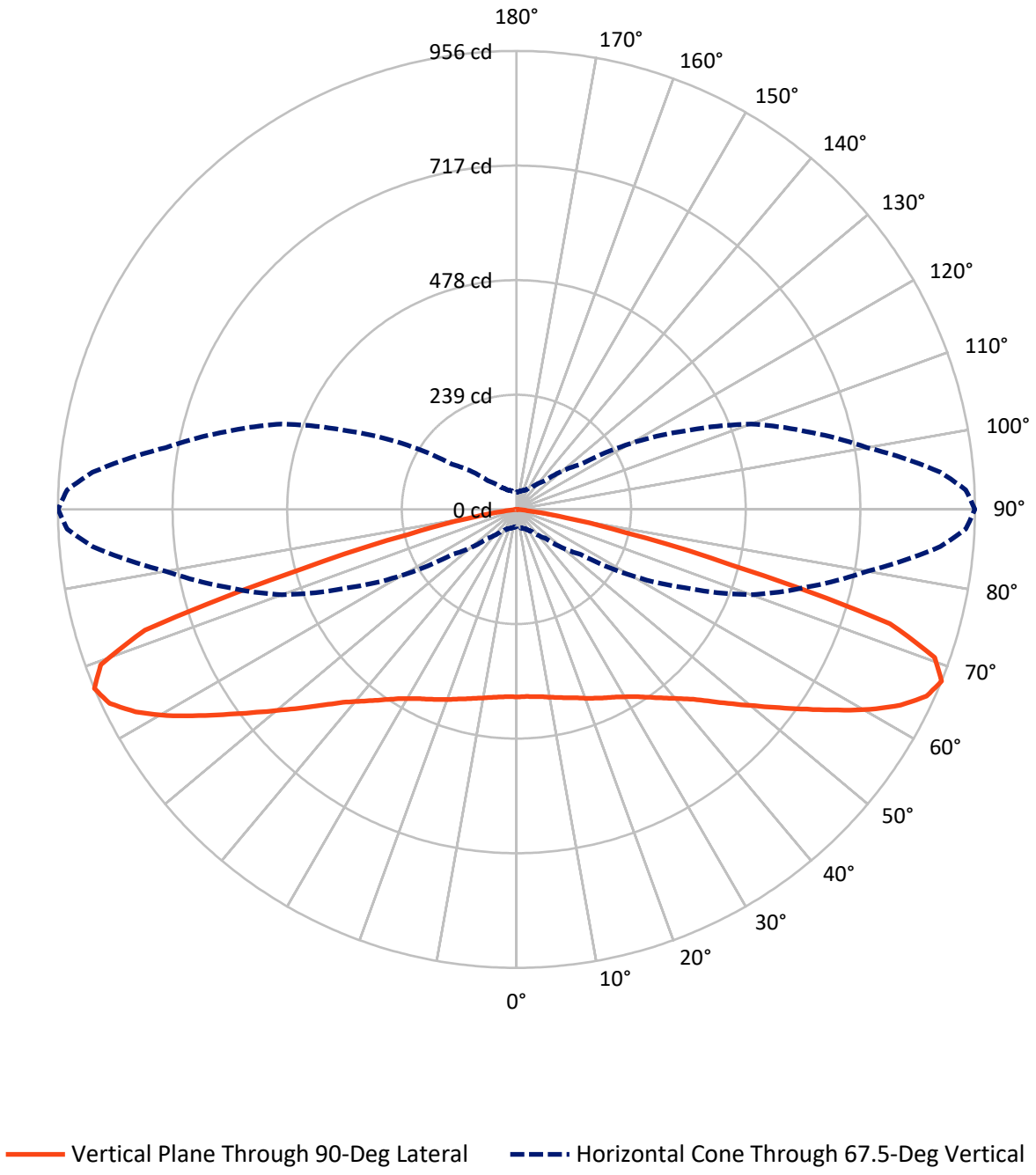
Luminous Intensity Polar Plot



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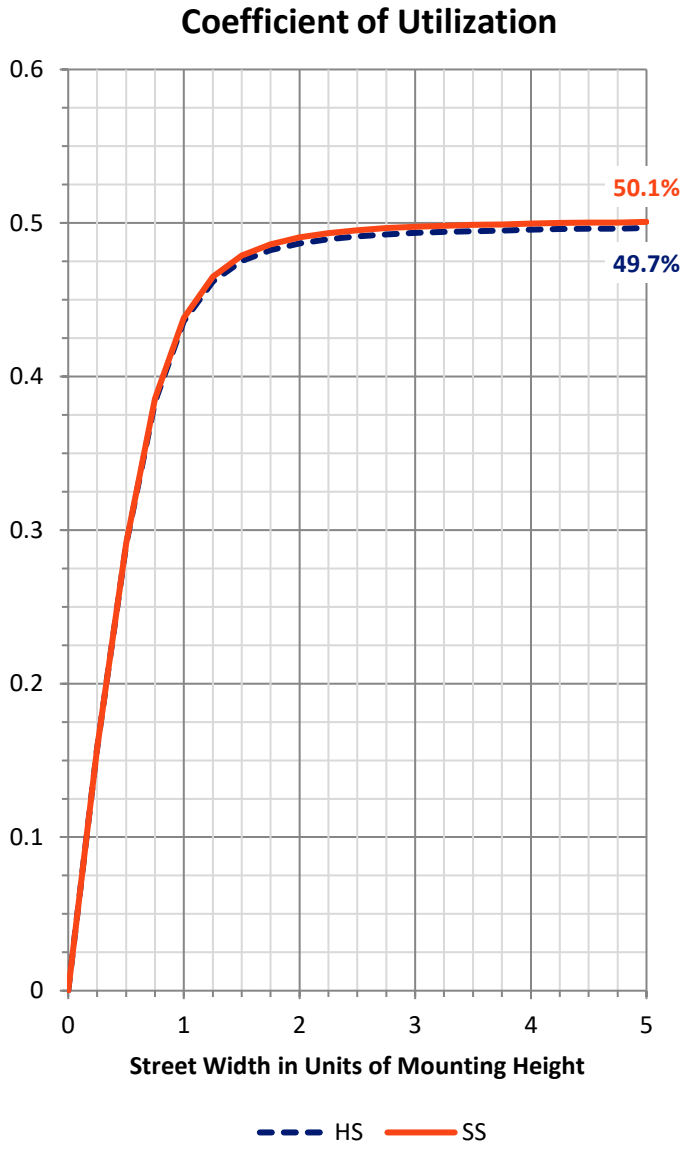
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.4	0.0	787.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	787.4	0.0	787.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	1574.8	0.0	1574.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	2.4
10°-20°	112.9	7.2
20°-30°	187.8	11.9
30°-40°	249.5	15.8
40°-50°	281.2	17.9
50°-60°	289.2	18.4
60°-70°	273.3	17.4
70°-80°	133.8	8.5
80°-90°	9.6	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°	1574.8	100.0
0°-180°	1574.8	100.0



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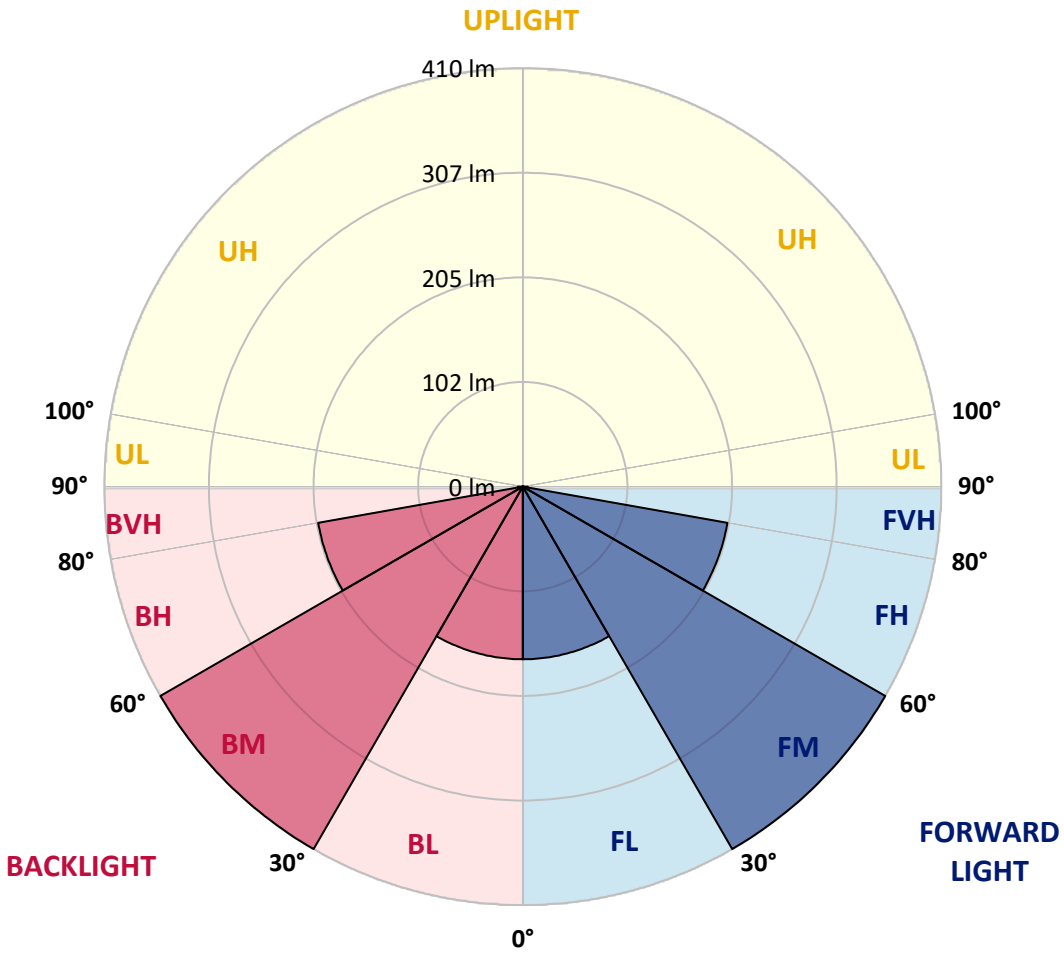
REPORT NUMBER: P972425
CATALOG NUMBER: GKO-PB1B-740-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	169.1	10.7			
FM	(30°-60°)	410.0	26.0			
FH	(60°-80°)	203.6	12.9			G0/660
FVH	(80°-90°)	4.8	0.3			G0/10
BL	(0°-30°)	169.1	10.7	B1/500		
BM	(30°-60°)	410.0	26.0	B1/1000		
BH	(60°-80°)	203.6	12.9	B1/500		G1/500
BVH	(80°-90°)	4.8	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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Scaled Data Report

REPORT NUMBER: P972425
CATALOG NUMBER: GKO-PB1B-740-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8	390.8
2.5°	391.1	391.6	390.5	390.5	391.1	391.4	391.4	391.6	391.1	391.1	390.8
5°	391.1	391.4	390.8	390.8	391.4	392.2	391.9	392.5	392.5	392.2	392.2
7.5°	390.8	391.4	390.8	391.1	391.9	393.7	393.7	393.7	394.3	394.8	394.8
10°	390.5	391.1	391.4	391.6	392.8	395.4	396.0	396.3	397.2	398.0	398.0
12.5°	389.0	389.6	390.5	391.6	393.7	397.2	398.3	399.2	400.6	401.5	402.1
15°	387.0	387.3	389.3	391.6	394.8	399.2	401.5	403.0	405.0	406.2	407.0
17.5°	384.1	384.4	387.6	391.1	395.7	401.8	405.6	407.9	409.9	411.7	412.8
20°	380.3	381.2	385.0	390.5	397.2	404.4	409.9	414.0	416.0	417.8	419.5
22.5°	375.7	376.5	381.2	389.0	398.6	407.9	415.2	420.4	423.0	425.3	427.4
25°	368.7	369.9	375.4	385.5	399.2	411.7	421.0	427.6	430.0	432.9	434.6
27.5°	358.0	358.8	365.5	378.6	397.4	415.7	427.6	435.5	438.1	441.3	443.0
30°	341.1	342.9	351.0	367.3	393.1	418.9	435.5	443.3	446.5	449.7	452.0
32.5°	319.4	322.0	331.0	351.9	384.7	420.1	443.9	452.9	457.0	460.4	463.4
35°	292.4	295.0	305.7	332.1	371.3	417.8	452.3	463.9	468.9	473.5	477.0
37.5°	261.6	263.9	277.0	307.2	352.2	410.5	459.0	476.1	482.8	488.9	493.5
40°	230.5	233.1	247.4	279.6	328.9	396.6	461.9	489.5	497.9	505.7	511.5
42.5°	196.8	200.0	216.0	250.3	301.9	377.4	459.6	502.5	513.0	523.7	532.4
45°	166.9	167.5	184.9	218.0	272.3	352.7	451.4	515.0	529.3	544.4	556.8
47.5°	138.2	139.4	154.5	187.3	241.5	324.9	436.6	524.9	547.5	567.0	585.3
50°	112.6	114.1	127.7	157.1	210.8	294.4	416.6	530.7	563.2	589.6	615.2
52.5°	91.7	93.5	104.8	130.6	179.7	262.4	391.9	531.6	577.4	612.3	646.3
55°	76.4	77.5	86.2	106.8	149.8	229.4	363.8	527.2	586.7	632.6	677.9
57.5°	64.5	65.6	71.7	88.0	122.8	195.4	329.5	517.1	591.7	650.3	709.8
60°	56.0	56.9	61.3	72.9	101.0	163.5	292.6	499.1	590.2	661.4	736.3
62.5°	49.9	50.2	54.0	62.1	83.3	133.3	251.1	472.1	578.3	662.8	754.3
65°	44.4	44.7	47.0	52.8	68.5	107.1	207.9	434.9	555.7	652.6	756.9
67.5°	*36.0*	*36.6*	*40.1*	*44.4*	*56.3*	*84.8*	*163.7*	*386.1*	*520.3*	*626.2*	*742.1*
70°	28.7	29.0	32.5	37.5	45.9	66.8	125.7	320.5	464.8	583.3	703.7
72.5°	21.5	22.1	25.3	30.2	37.5	51.7	90.9	242.4	371.6	491.8	612.9
75°	17.1	17.4	18.6	23.2	29.0	39.2	61.3	146.9	223.8	304.3	375.7
77.5°	14.5	14.8	14.8	18.0	21.5	26.4	32.5	58.4	94.6	134.7	178.5
80°	11.9	12.5	11.3	13.4	15.4	15.4	15.1	27.9	44.7	63.3	83.0
82.5°	8.7	9.3	8.7	9.3	9.3	8.4	7.8	10.5	14.2	19.5	21.2
85°	6.1	6.4	7.0	6.4	6.1	4.9	3.8	2.9	1.7	2.0	2.9
87.5°	4.1	4.9	5.8	5.5	4.6	3.8	2.6	1.7	0.9	1.2	1.2
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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REPORT NUMBER: P972425
CATALOG NUMBER: GKO-PB1B-740-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	390.8	390.8	*390.8*
2.5°	391.1	390.8	*390.5*
5°	392.5	392.2	*391.9*
7.5°	394.5	394.5	*394.5*
10°	397.7	398.3	*398.3*
12.5°	401.8	402.4	*402.4*
15°	406.7	407.0	*407.6*
17.5°	412.8	413.1	*413.1*
20°	420.1	419.8	*420.4*
22.5°	427.4	427.4	*427.4*
25°	434.9	434.9	*434.9*
27.5°	443.6	443.6	*443.0*
30°	453.2	453.2	*453.2*
32.5°	464.8	465.1	*465.4*
35°	479.6	480.2	*481.1*
37.5°	496.4	497.9	*498.8*
40°	516.5	517.1	*518.5*
42.5°	538.8	540.6	*540.9*
45°	566.7	569.6	*570.8*
47.5°	599.5	603.6	*605.6*
50°	636.1	640.7	*643.6*
52.5°	675.9	683.4	*686.9*
55°	718.3	731.3	*735.1*
57.5°	766.2	783.9	*789.1*
60°	813.2	838.2	*846.6*
62.5°	853.3	888.4	*898.8*
65°	881.4	923.8	*939.2*
67.5°	*887.2*	*937.4*	*955.7*
70°	852.4	903.8	*925.0*
72.5°	741.2	787.6	*814.1*
75°	437.8	471.2	*463.1*
77.5°	219.8	229.4	*230.8*
80°	96.4	102.2	*104.5*
82.5°	23.8	24.4	*27.6*
85°	3.2	3.8	*3.5*
87.5°	1.2	1.2	*1.5*
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: SP2-2501-321-1

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-740-U-T4W

Data in this report applies to families of products including GKO-PB1E-740-U-T4W

Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

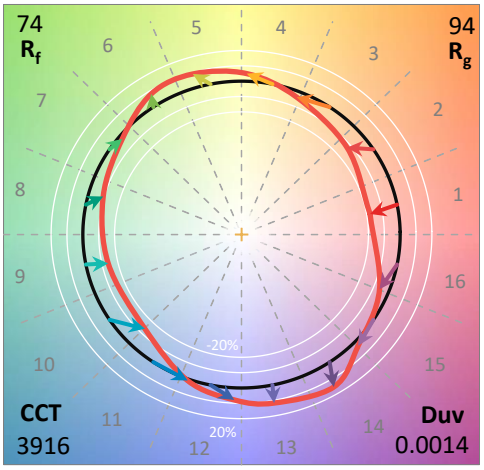
Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP2 - 165CM SPHERE
Measurement Geometry:	4π
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GKO-PB1E-740-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3916
CIE u':	0.2259
CIE v':	0.5049
Duv:	0.0014
CIE x:	0.3853
CIE y:	0.3827
CIE z:	0.2321
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	578
Purity:	30.46652
Rf:	73.5
Rg:	93.5

CRI (Ra):	71.0				
R1:	67.4	R9:	-37.9
R2:	78.3	R10:	48.9
R3:	87.2	R11:	64.6
R4:	69.5	R12:	40.9
R5:	67.2	R13:	69.2
R6:	69.3	R14:	92.7
R7:	79.9	R15:	59.8
R8:	48.9		



Test Conditions

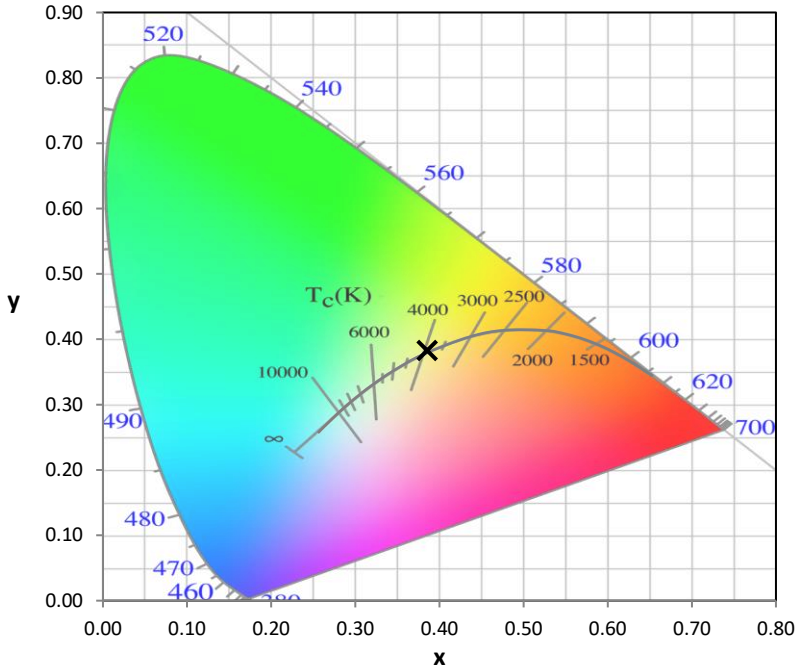
Stabilization Time:	33M
Operation Time:	1H 33M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP2-2501-321-1

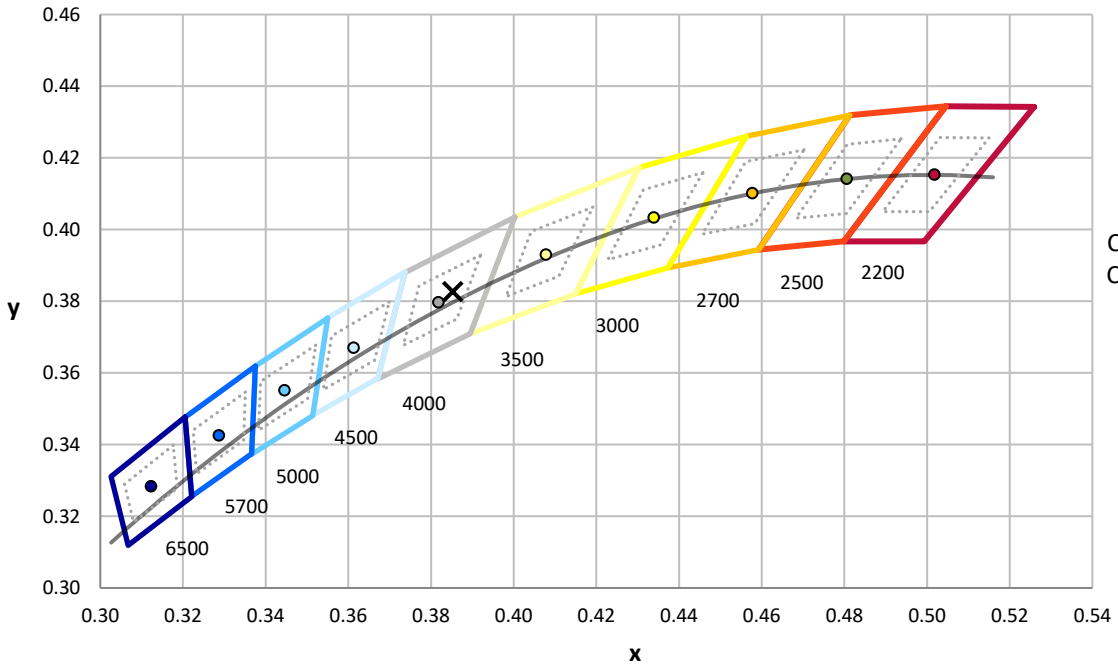
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP2-2501-321-1

CIE 1931 Chromaticity Diagram



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

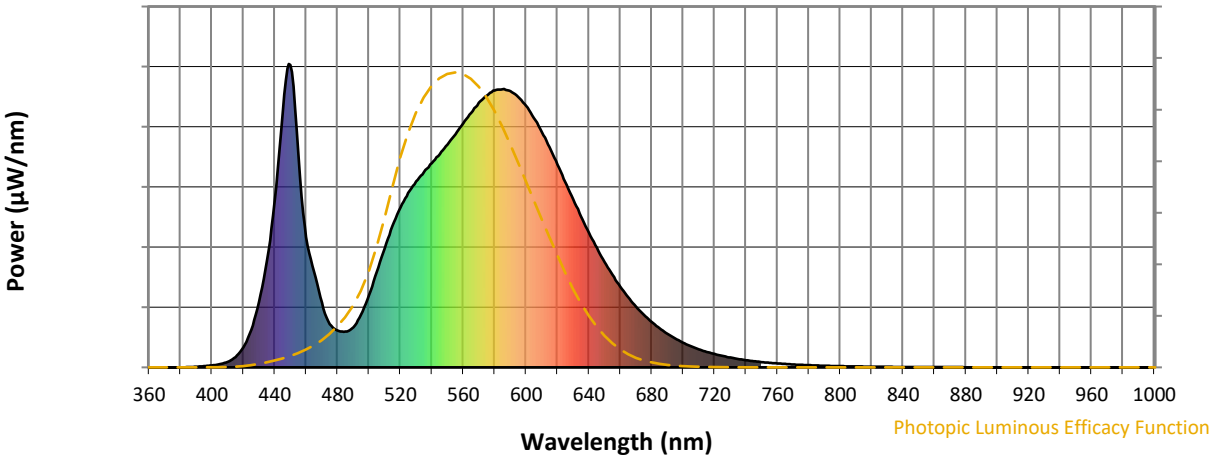


CCT = 3916K
CIE x = 0.3853
CIE y = 0.3827
Duv = 0.0014

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-1

Photopic Flux vs. Wavelength

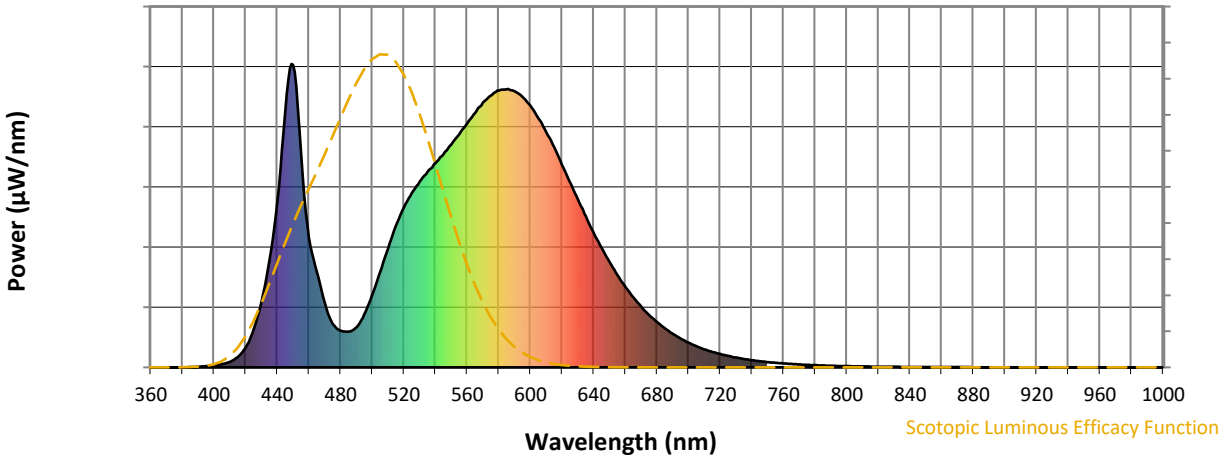


Photopic Lumens: NR

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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.49**

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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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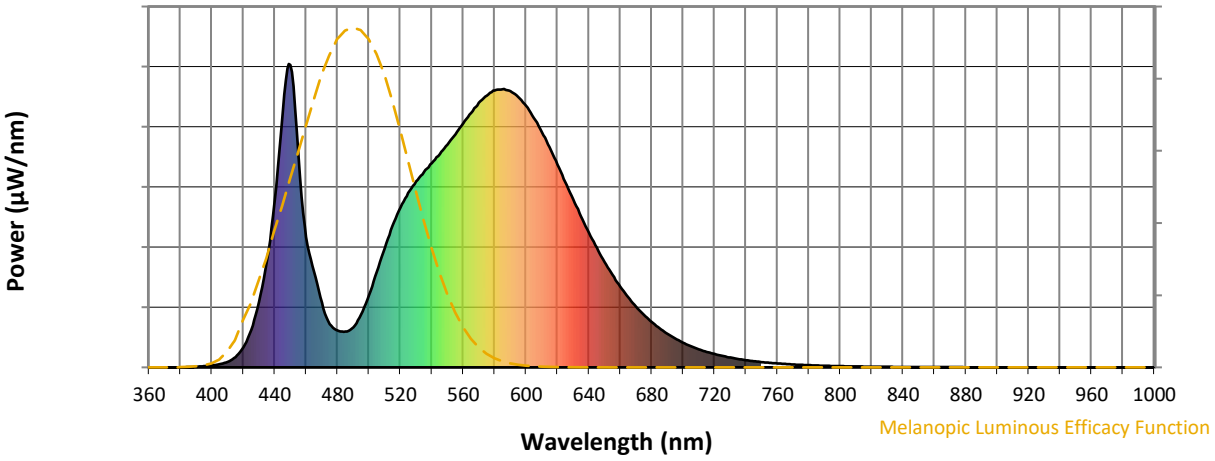
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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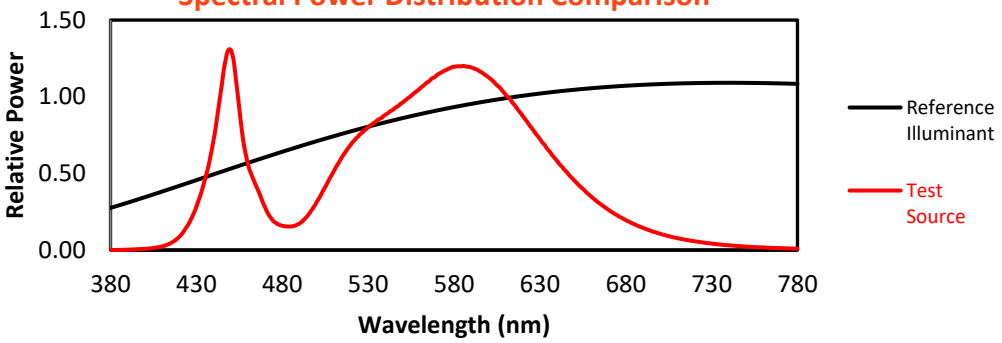
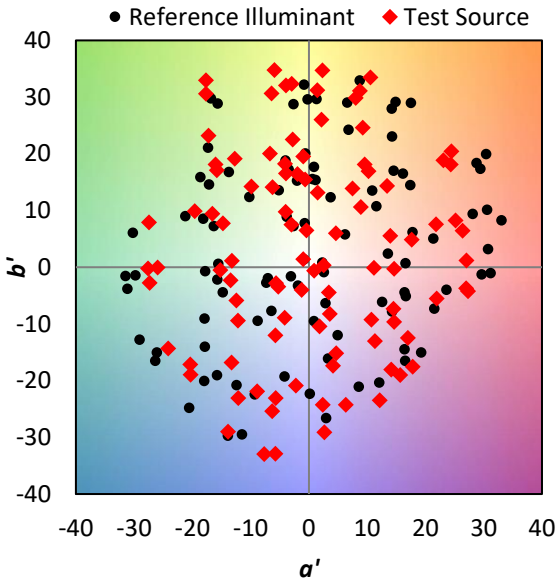
Summary

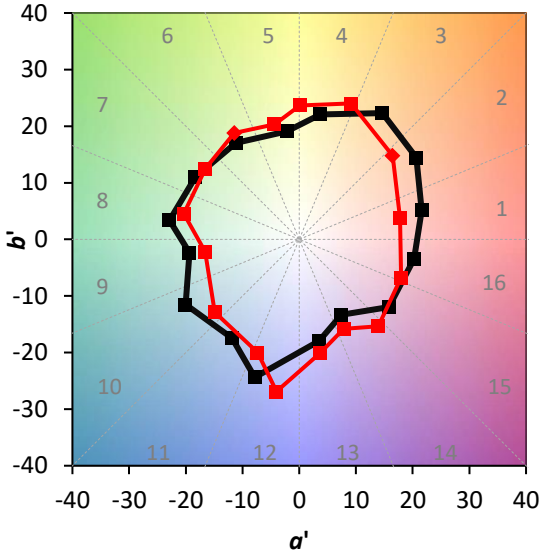
R_f = 73.5
R_g = 93.5
CIE R_a = 71.0
R_9 = -37.9

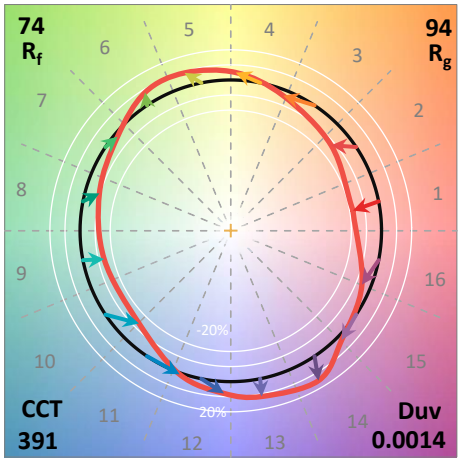
Spectral Power Distribution Comparison

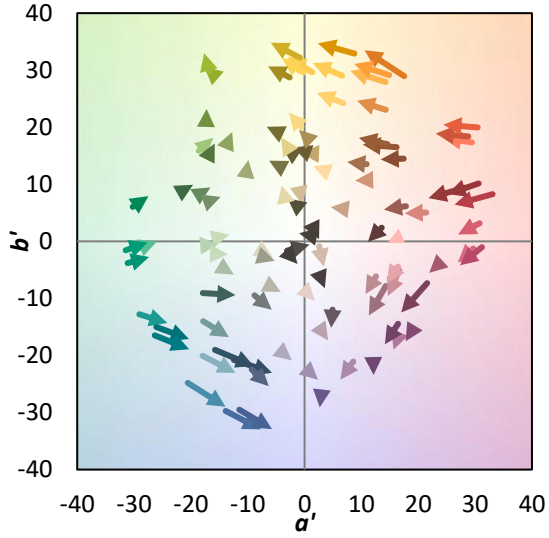


Color Vector Graphics









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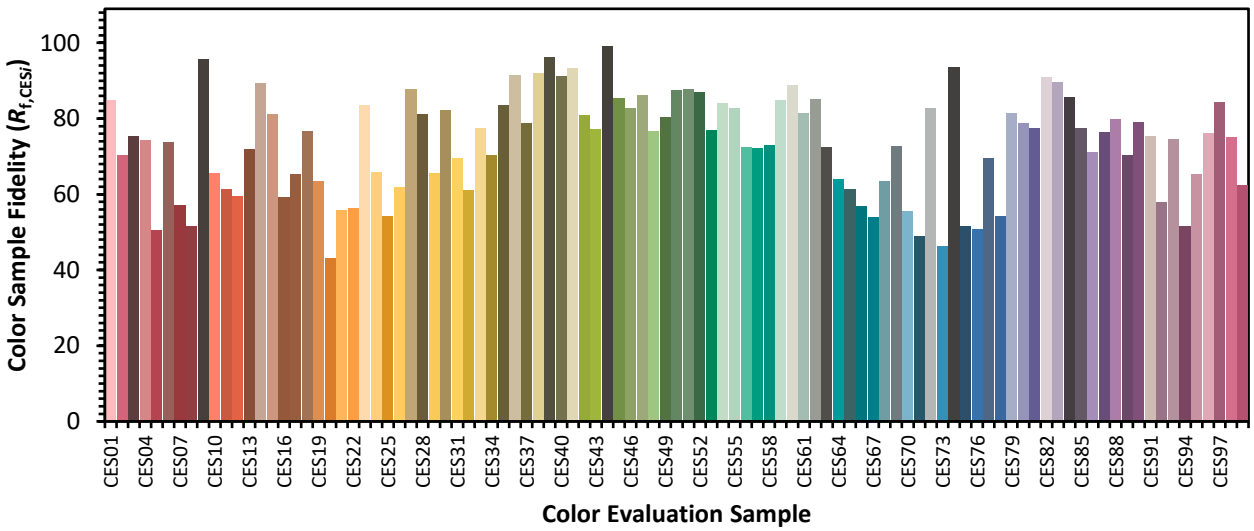
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 54
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 82	CES55 = 83	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 77	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 84	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 75
CES17 = 49	CES42 = 81	CES67 = 54	CES92 = 58
CES18 = 56	CES43 = 77	CES68 = 63	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 52
CES20 = 65	CES45 = 85	CES70 = 56	CES95 = 65
CES21 = 86	CES46 = 83	CES71 = 49	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 46	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 52	



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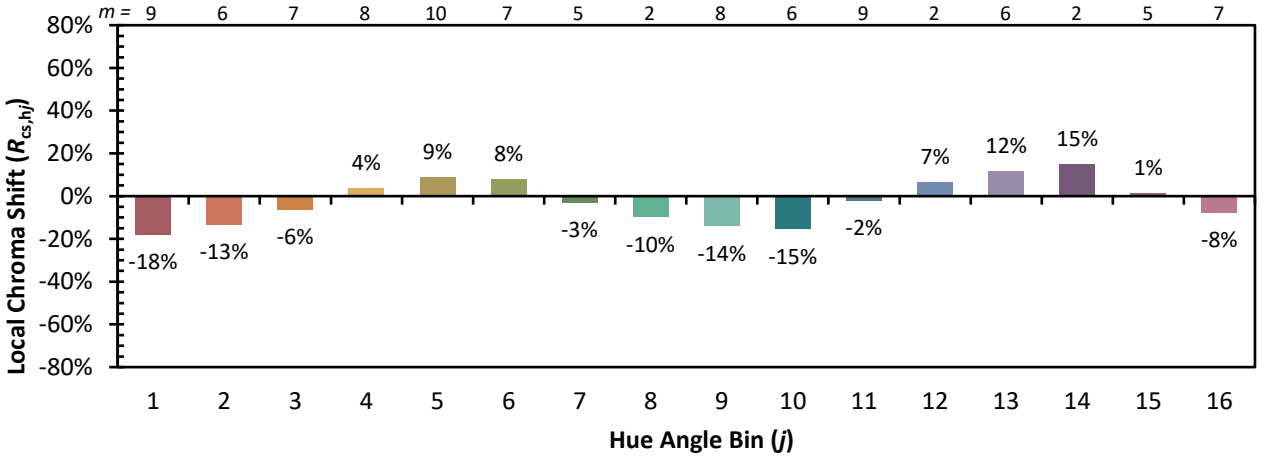
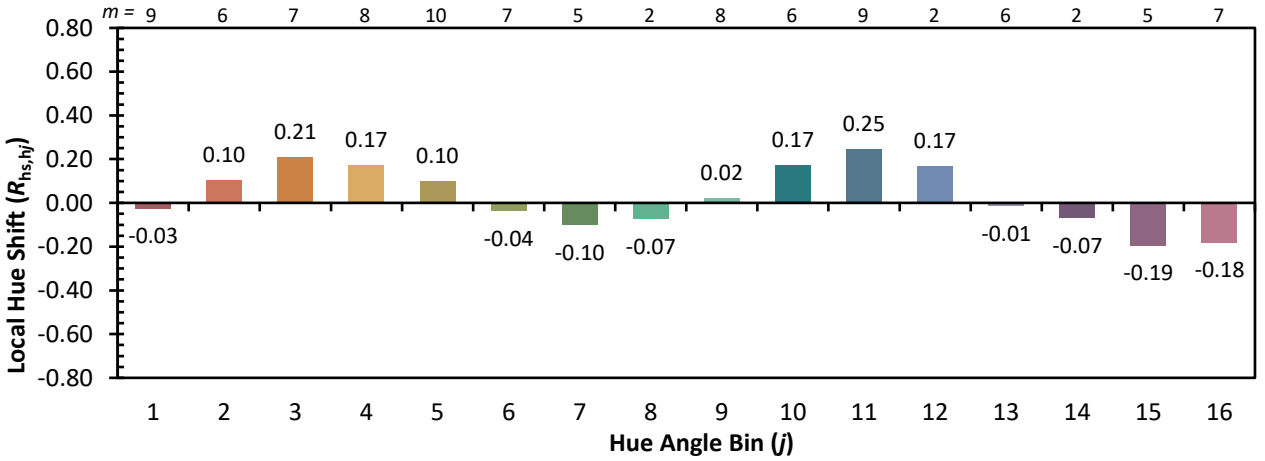
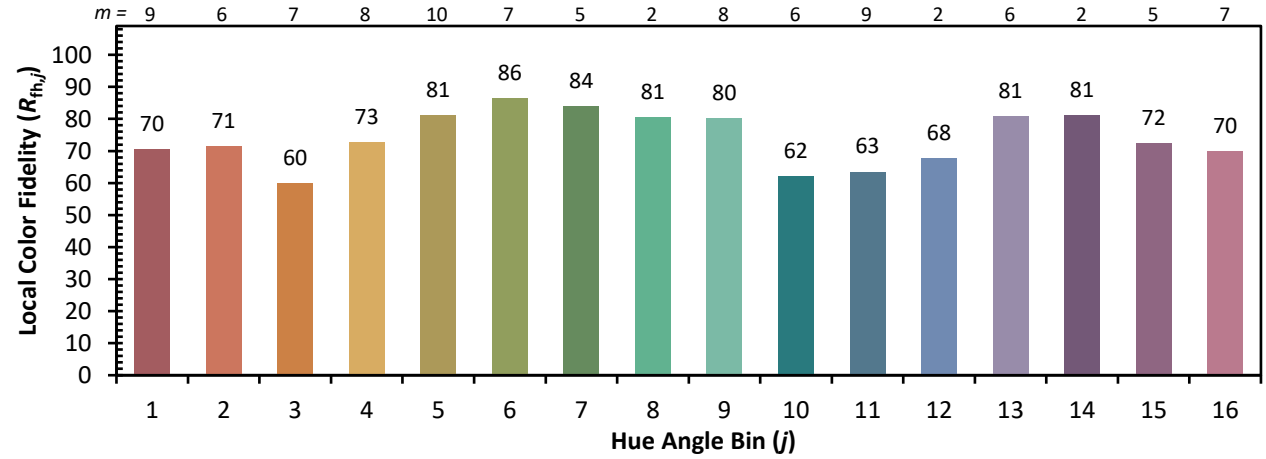
Color Rendition by Hue-Angle Bin







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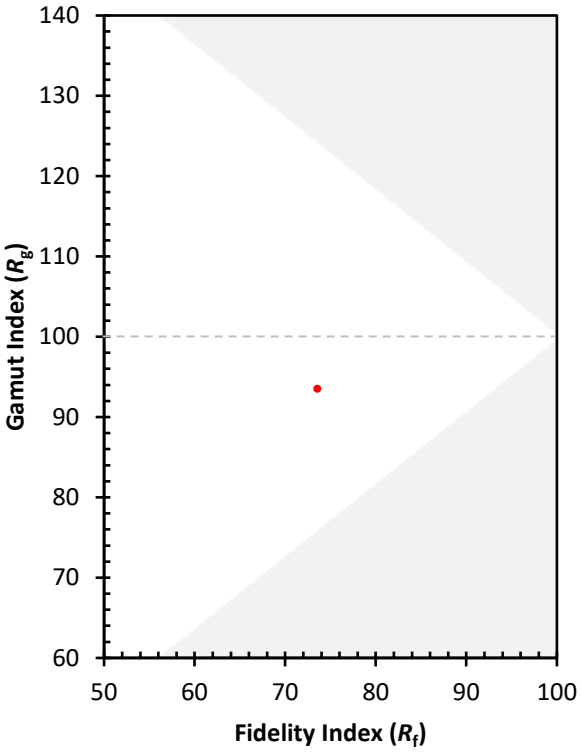
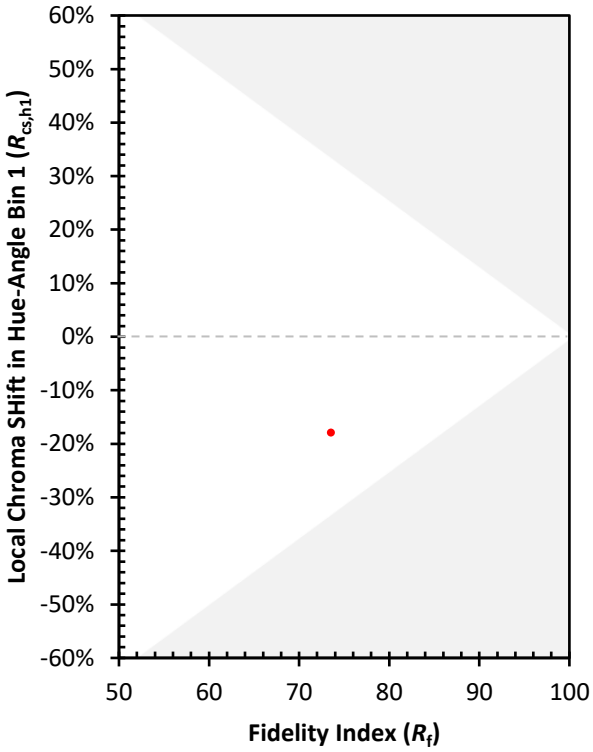
Measure Comparisons





(END OF REPORT)