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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1460447

Luminaire Tested: PRV-PC1C-722-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1460447
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	6/10/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	LUMARK
Catalog Number:	PRV-PC1C-722-U-5WQ
Description:	PREVAIL DISCRETE LED 1 SQUARE AT 880MA 70CRI 2200K FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source:	(40) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14547.6 lumens
Efficiency:	N/A
Efficacy:	131.1 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2
Input Watts (W):	111
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.87%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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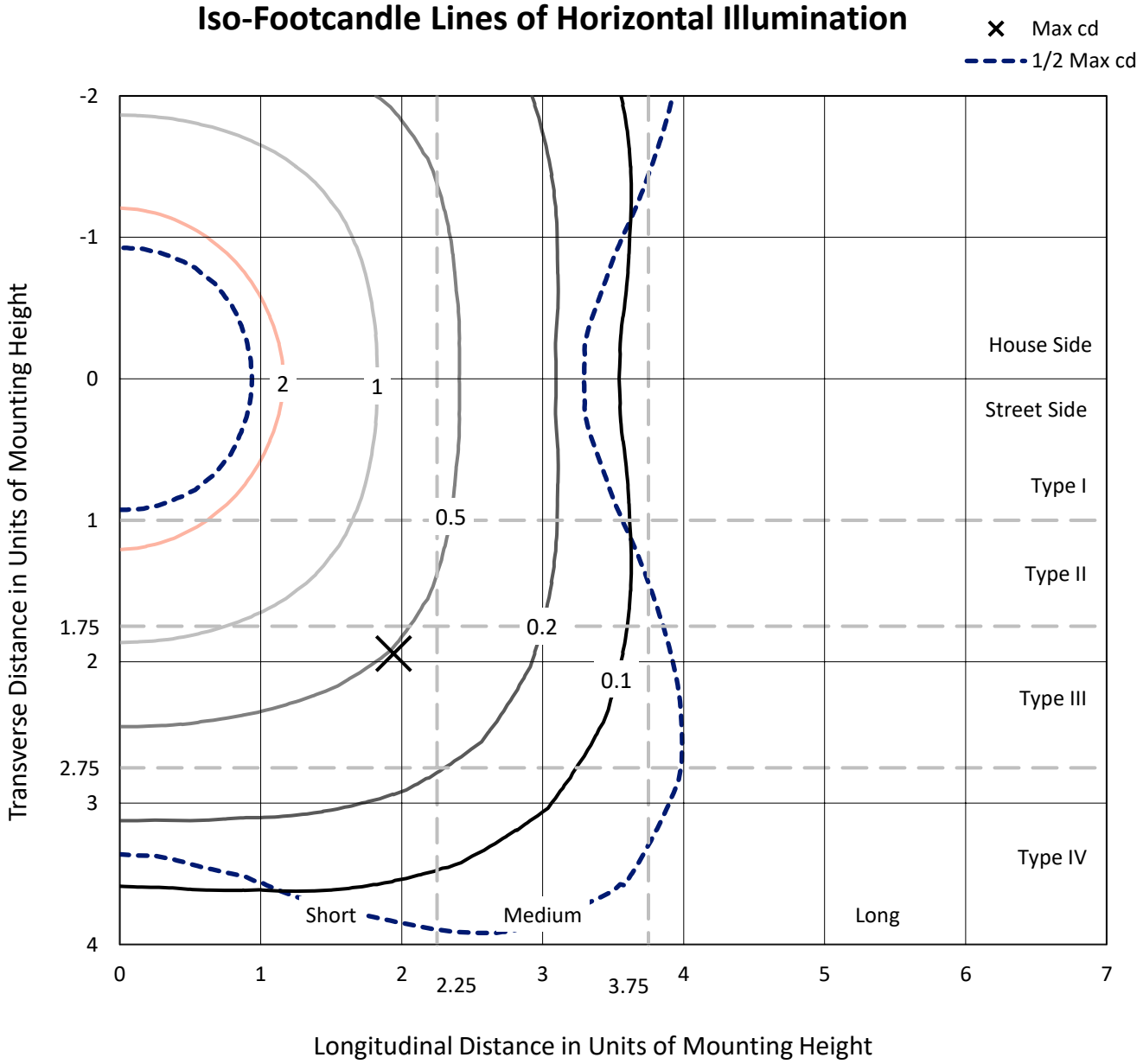
Scaled Data Report

REPORT NUMBER: P1460447
CATALOG NUMBER: PRV-PC1C-722-U-5WQ

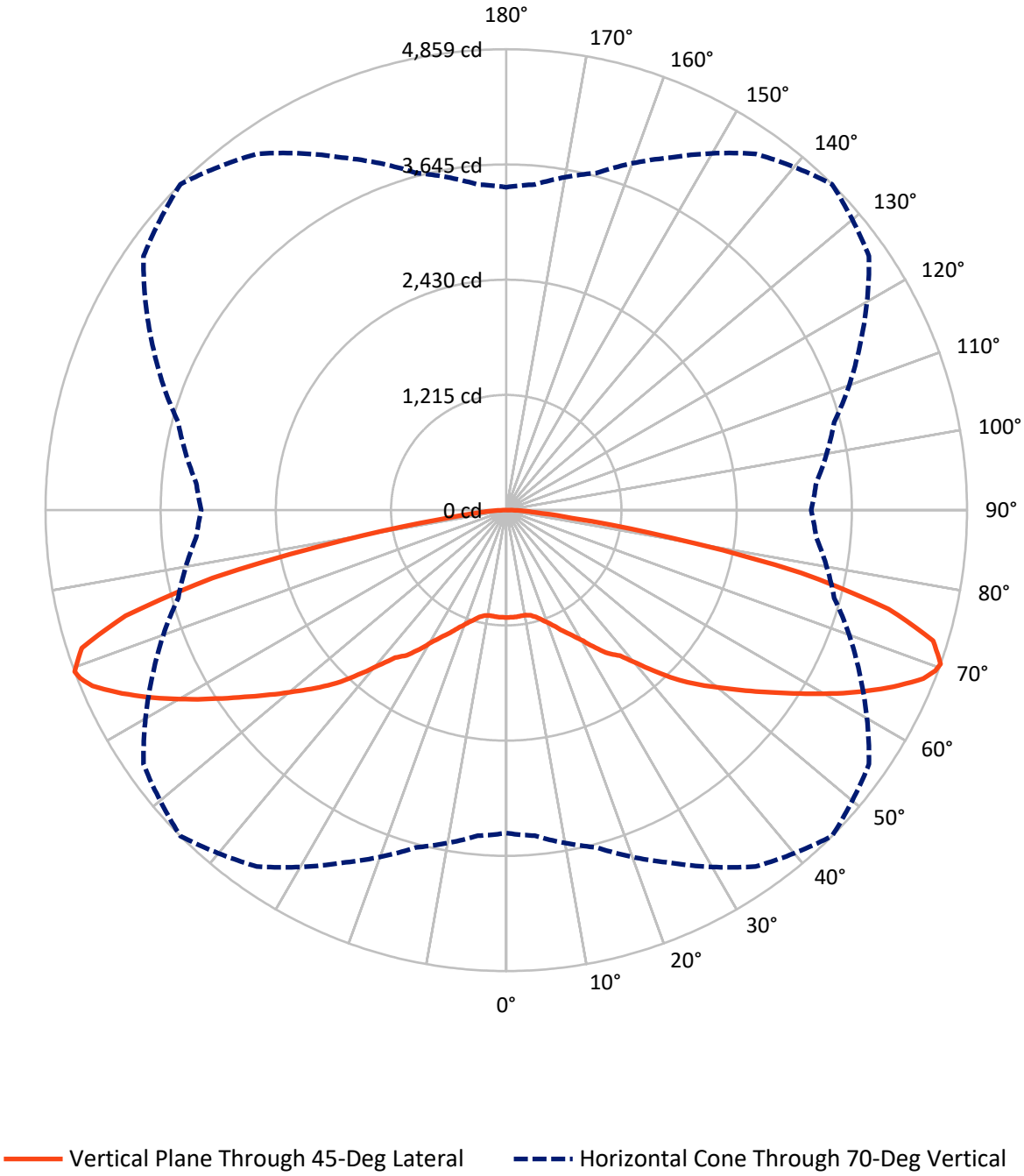
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - N/A

REPORT NUMBER: P1460447
CATALOG NUMBER: PRV-PC1C-722-U-5WQ

Luminous Intensity Polar Plot



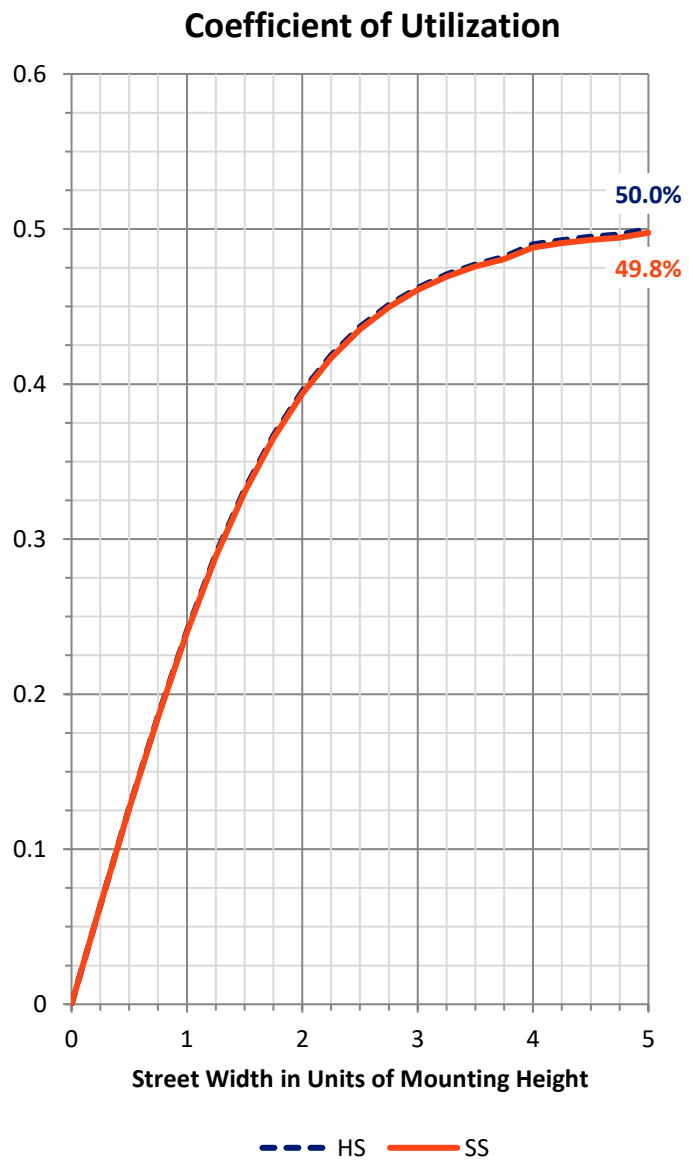
REPORT NUMBER: P1460447
CATALOG NUMBER: PRV-PC1C-722-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7273.8	0.0	7273.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7273.8	0.0	7273.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14547.6	0.0	14547.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	0.7
10°-20°	334.9	2.3
20°-30°	652.3	4.5
30°-40°	1156.8	8.0
40°-50°	1996.0	13.7
50°-60°	3014.0	20.7
60°-70°	4013.1	27.6
70°-80°	2910.8	20.0
80°-90°	362.6	2.5
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°	14547.6	100.0
0°-180°	14547.6	100.0

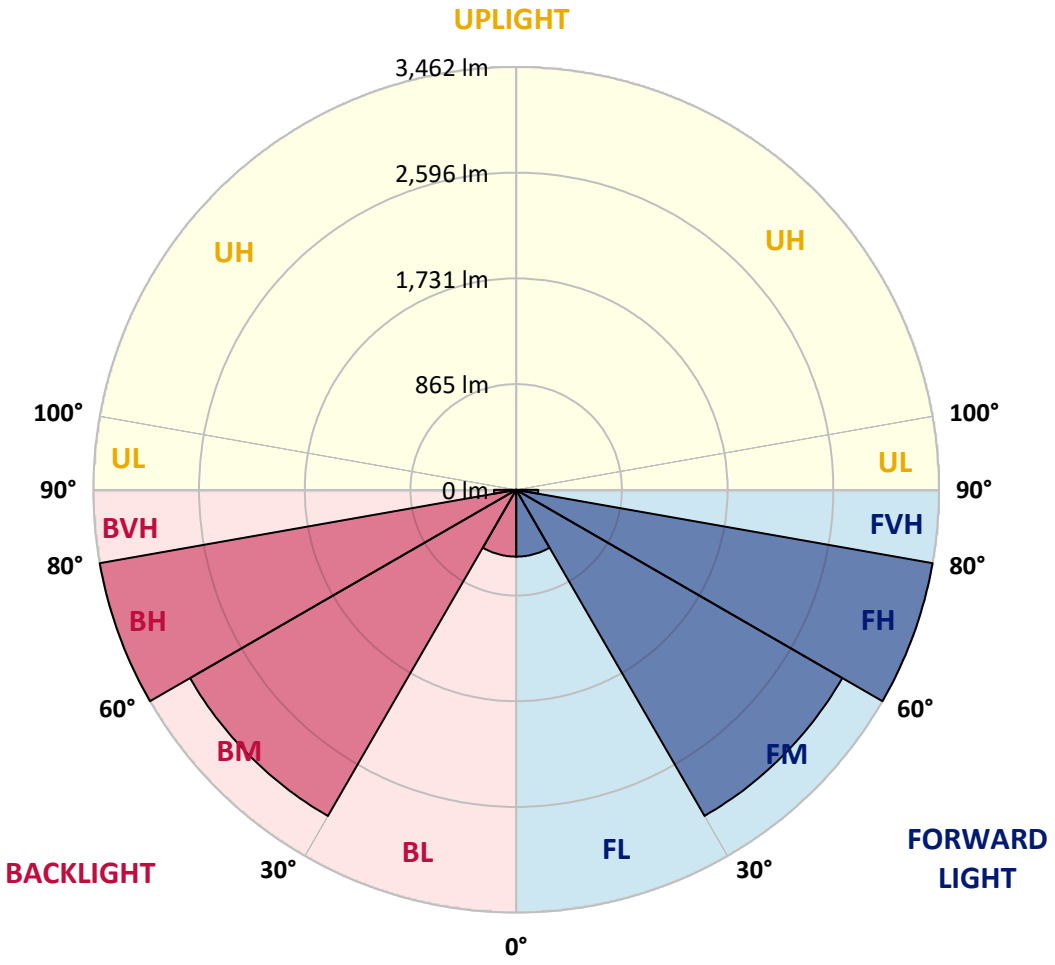


REPORT NUMBER: P1460447
CATALOG NUMBER: PRV-PC1C-722-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	547.2	3.8			
FM	(30°-60°)	3083.4	21.2			
FH	(60°-80°)	3461.9	23.8			G2/5000
FVH	(80°-90°)	181.3	1.2			G2/225
BL	(0°-30°)	547.2	3.8	B2/1000		
BM	(30°-60°)	3083.4	21.2	B3/5000		
BH	(60°-80°)	3461.9	23.8	B4/5000		G2/5000
BVH	(80°-90°)	181.3	1.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1131.0	1131.0	1131.0	1131.0	1131.0	*1131.0*	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1131.7	1131.7	1131.7	1131.7	1131.0	*1130.3*	1129.7	1129.7	1129.7	1129.0	1129.0
5°	1134.3	1133.6	1133.6	1133.0	1133.0	*1130.3*	1127.7	1125.7	1123.7	1121.8	1122.4
7.5°	1123.7	1125.1	1124.4	1125.7	1127.0	*1125.7*	1120.4	1114.5	1109.2	1104.6	1104.6
10°	1125.1	1124.4	1123.7	1124.4	1125.7	*1125.1*	1119.8	1111.8	1104.6	1099.3	1098.6
12.5°	1143.5	1143.5	1140.2	1137.6	1138.9	*1137.6*	1133.6	1124.4	1118.5	1113.2	1113.8
15°	1179.9	1178.5	1173.9	1169.9	1168.0	*1167.3*	1164.7	1158.1	1150.8	1144.9	1146.8
17.5°	1224.1	1224.1	1214.8	1212.9	1210.9	*1216.2*	1210.2	1201.0	1195.0	1191.7	1191.7
20°	1277.6	1278.9	1271.0	1267.0	1267.7	*1268.3*	1265.7	1255.8	1248.5	1245.2	1246.5
22.5°	1337.7	1335.0	1333.0	1331.0	1335.0	*1335.7*	1330.4	1318.5	1313.9	1307.3	1309.3
25°	1390.5	1390.5	1391.1	1401.7	1408.3	*1418.2*	1410.3	1391.8	1374.6	1368.0	1367.4
27.5°	1447.9	1446.6	1454.5	1469.7	1490.8	*1500.1*	1490.2	1467.1	1447.3	1437.3	1432.7
30°	1542.3	1541.7	1543.0	1562.1	1585.2	*1599.1*	1587.9	1568.7	1550.9	1541.7	1545.6
32.5°	1682.3	1674.4	1686.3	1706.1	1724.6	*1730.5*	1731.8	1710.0	1687.6	1679.7	1683.0
35°	1760.9	1758.9	1772.1	1795.9	1828.9	*1855.9*	1834.8	1815.7	1805.1	1793.9	1791.2
37.5°	1939.8	1939.1	1949.7	1947.7	1953.0	*1947.1*	1957.0	1964.9	1974.8	1966.2	1968.2
40°	2157.0	2151.7	2149.7	2145.8	2131.3	*2122.0*	2140.5	2154.4	2166.3	2182.8	2174.8
42.5°	2384.8	2376.2	2369.6	2357.7	2342.5	*2335.9*	2338.6	2363.7	2374.2	2376.2	2376.9
45°	2644.3	2628.4	2600.7	2579.6	2558.4	*2556.5*	2555.1	2560.4	2561.1	2561.1	2571.6
47.5°	2872.1	2870.1	2830.5	2794.1	2751.9	*2751.9*	2737.4	2735.4	2744.0	2755.2	2749.2
50°	3065.5	3058.9	3023.9	2992.9	2970.4	*2943.4*	2922.2	2905.7	2917.6	2927.5	2932.8
52.5°	3222.0	3221.3	3197.6	3185.7	3177.1	*3160.6*	3111.7	3082.0	3084.7	3096.5	3093.2
55°	3360.0	3369.2	3370.5	3385.7	3401.6	*3389.7*	3342.8	3297.9	3274.8	3257.6	3257.0
57.5°	3517.8	3523.7	3542.2	3591.1	3636.6	*3647.2*	3599.6	3533.0	3468.9	3426.7	3410.8
60°	3682.2	3683.5	3731.7	3808.9	3892.1	*3927.1*	3884.9	3775.3	3659.1	3567.3	3550.8
62.5°	3830.1	3826.8	3899.4	4016.3	4156.2	*4213.0*	4156.9	3996.4	3795.7	3667.6	3645.9
65°	3894.1	3902.7	3998.4	4178.0	4376.1	*4487.0*	4414.4	4147.6	3855.8	3682.8	3656.4
67.5°	3777.9	3802.3	3955.5	4237.4	4547.7	*4742.5*	4615.1	4209.7	3805.6	3581.2	3546.2
69°	3611.5	3617.5	3816.2	4185.3	4594.0	*4831.7*	4670.6	4177.4	3704.6	3419.4	3382.4
70°	*3404.2*	*3445.8*	*3680.9*	*4101.4*	*4586.0*	*4859.4*	*4669.9*	*4116.0*	*3581.8*	*3281.4*	*3216.0*
72.5°	2763.8	2779.0	3113.0	3756.8	4391.9	*4708.2*	4446.7	3776.6	3111.1	2664.1	2646.9
75°	1851.3	1924.6	2326.7	3104.5	3836.0	*4166.1*	3839.3	3100.5	2332.6	1774.7	1696.8
77.5°	960.0	1001.6	1358.8	2023.0	2788.9	*3178.4*	2862.8	2169.6	1436.7	867.6	823.3
80°	472.1	494.5	627.9	932.9	1444.6	*1751.6*	1604.4	1140.2	672.8	429.8	404.1
82.5°	265.4	274.0	348.6	434.4	602.1	*701.2*	656.3	555.9	338.0	254.9	247.6
85°	138.0	145.3	217.2	268.1	299.7	*303.1*	302.4	298.4	213.3	155.8	148.6
87.5°	65.4	72.0	111.6	147.2	155.2	*149.9*	159.1	138.0	101.0	70.6	62.1
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP2-2501-321-2

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-722-U-T4W

Data in this report applies to families of products including GKO-PB1E-722-U-T4W

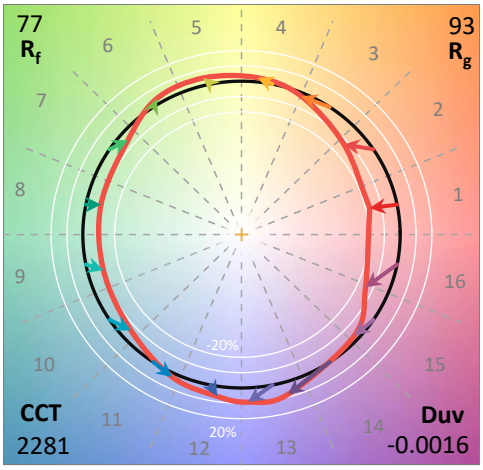
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-2
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-722-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	2281	CRI (Ra):		70.6			
CIE u':	0.2851	R1:		68.4	R9:		-35.1
CIE v':	0.5324	R2:		88.7	R10:		78.0
Duv:	-0.0016	R3:		85.7	R11:		60.2
CIE x:	0.4942	R4:		63.2	R12:		73.8
CIE y:	0.4102	R5:		69.0	R13:		72.8
CIE z:	0.0956	R6:		88.6	R14:		92.4
Peak Wavelength (nm):	602	R7:		68.8	R15:		58.4
Dominant Wavelength (nm):	587	R8:		32.6			
Purity:	71.48321						
Rf:	76.9						
Rg:	92.6						



Test Conditions

Stabilization Time:	40M
Operation Time:	1H 40M
Sphere Temperature (°C):	25.0

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

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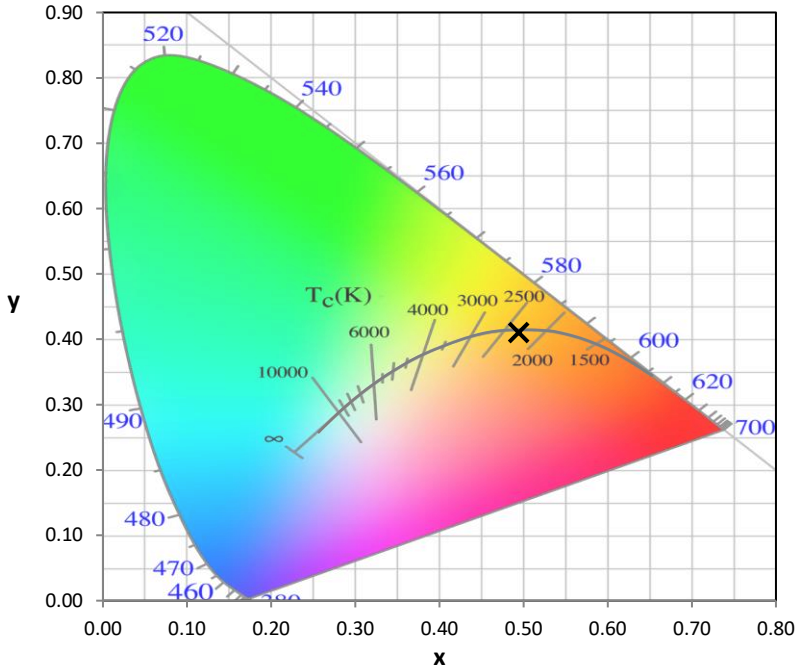
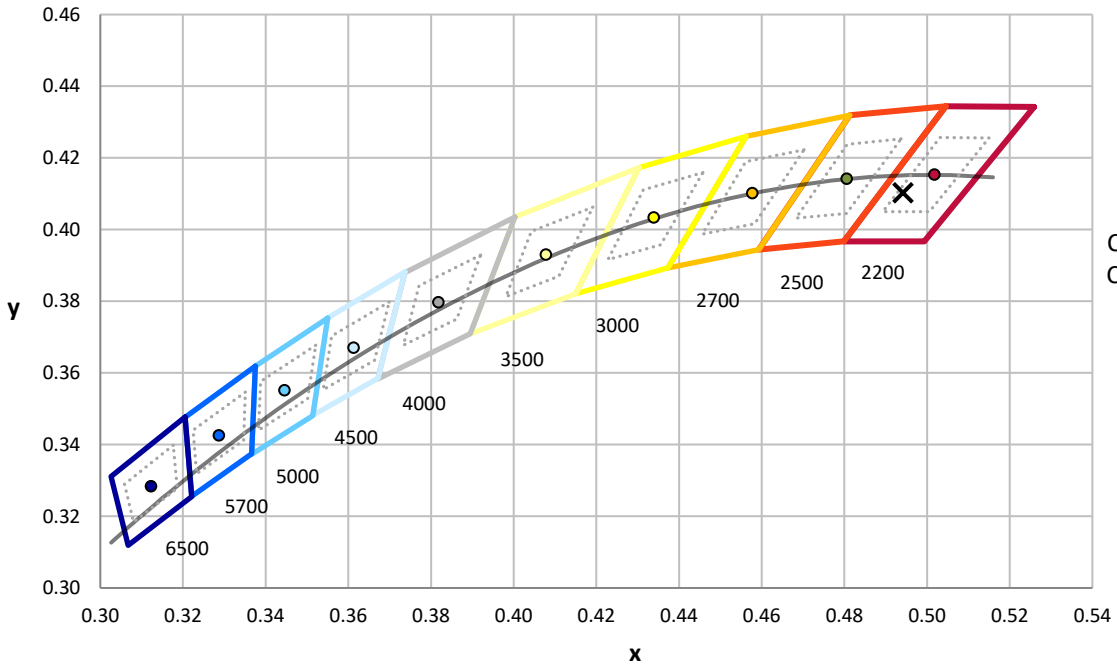
CIE 1931 Chromaticity Diagram



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



CCT = 2281K
CIE x = 0.4942
CIE y = 0.4102
Duv = -0.0016

Point lies inside the ANSI 2200K 4-step quadrangle

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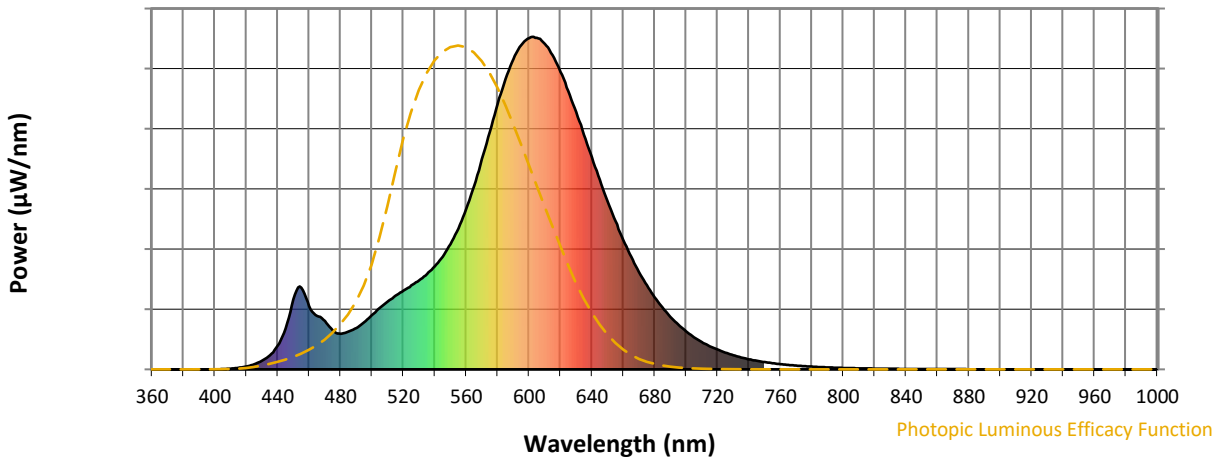
Photopic Flux vs. Wavelength

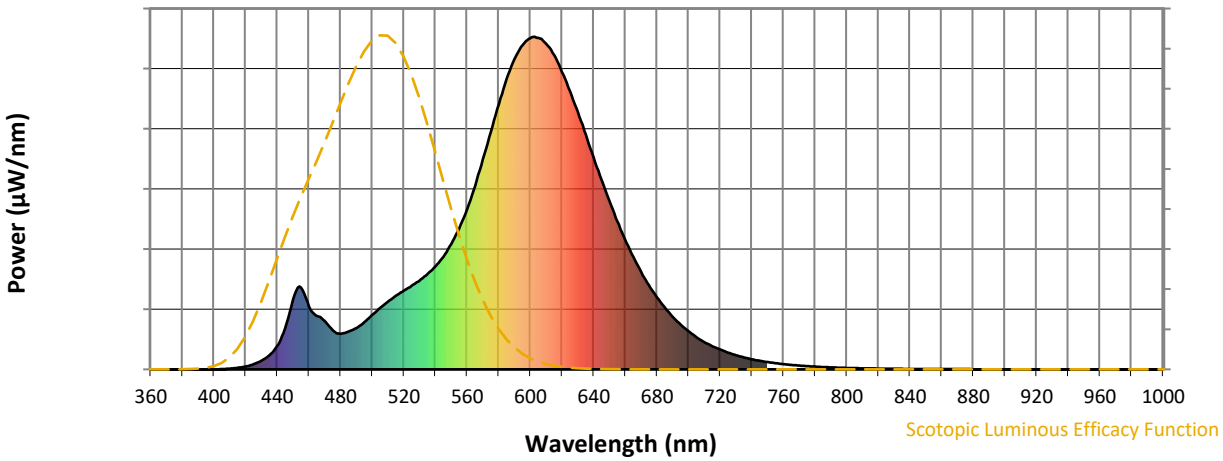


Photopic Lumens: NR

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.98**

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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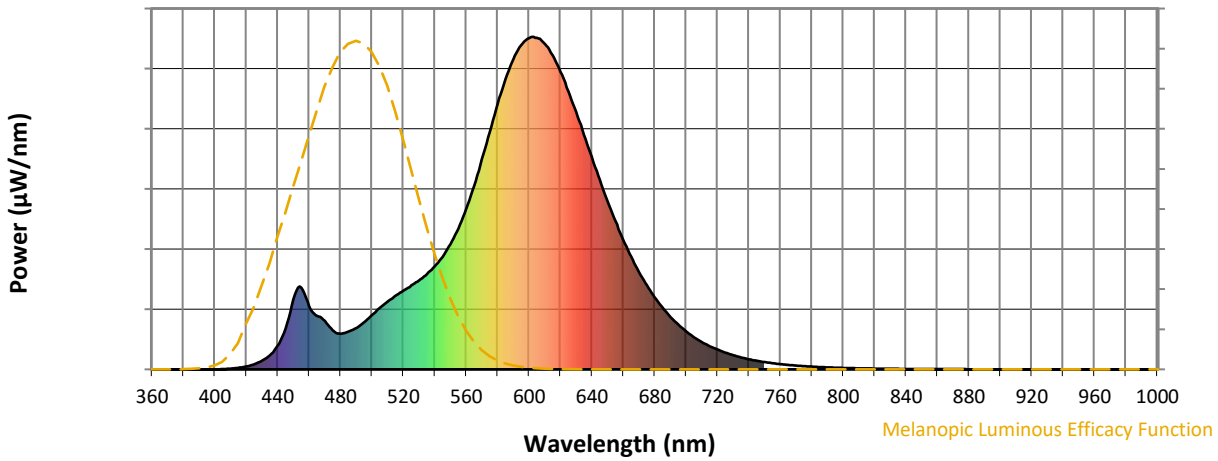
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.75**

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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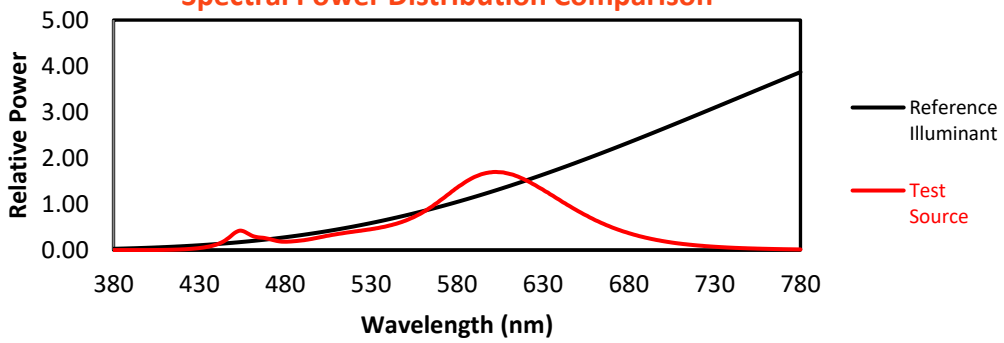
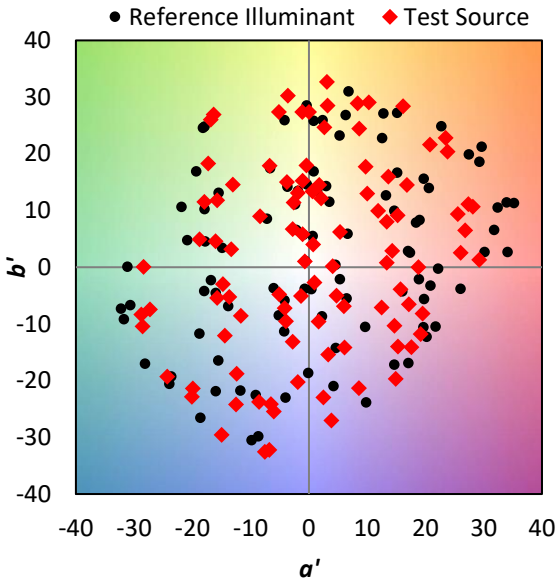
Summary

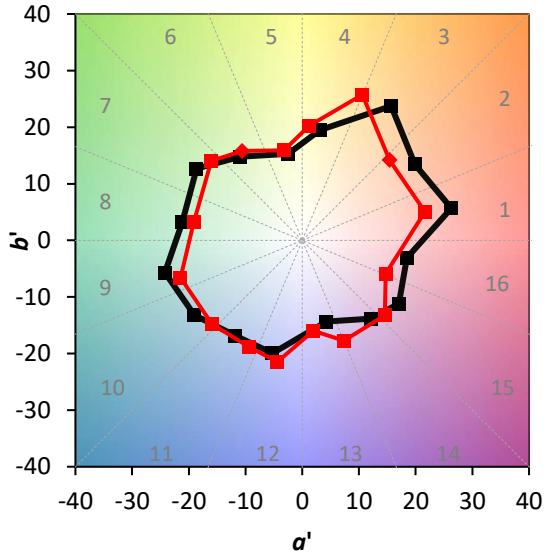
R_f = 76.9
R_g = 92.6
CIE R_a = 70.6
R_9 = -35.1

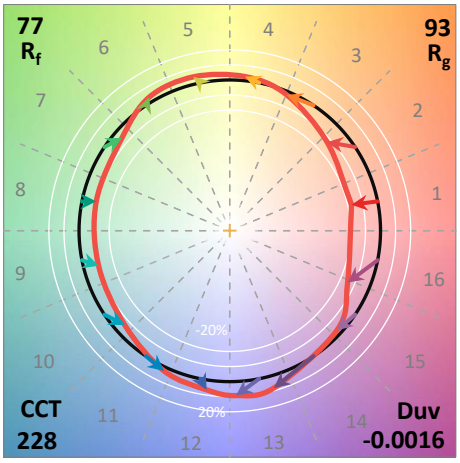
Spectral Power Distribution Comparison

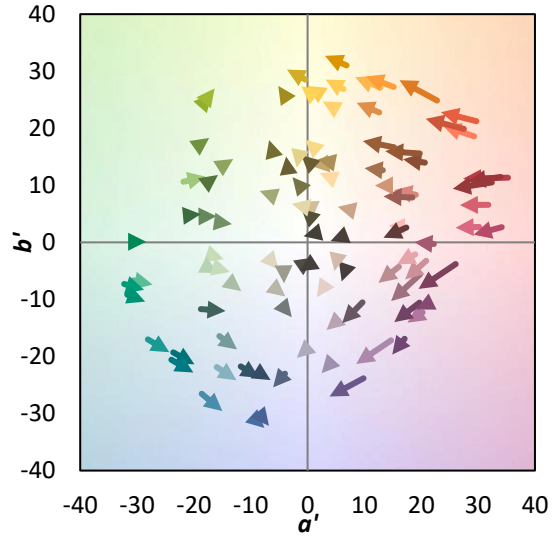


Color Vector Graphics



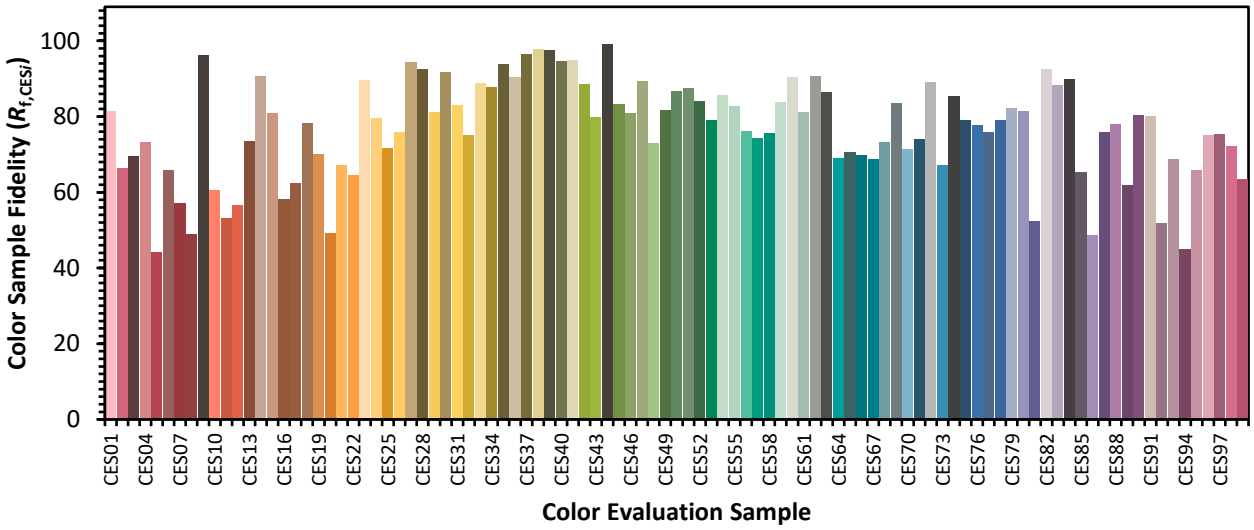




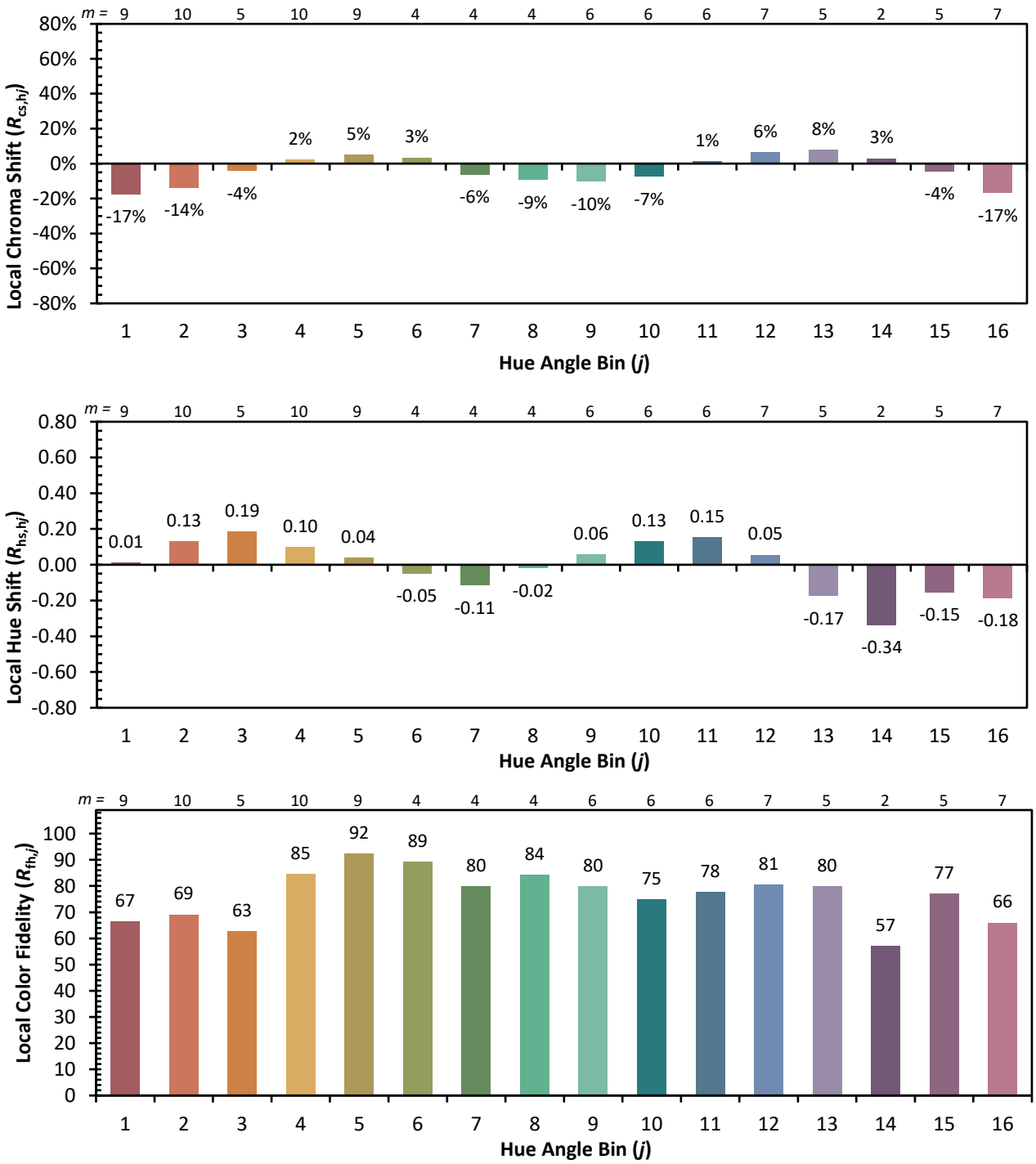


Individual Sample Fidelity Index ($R_{f,i}$)

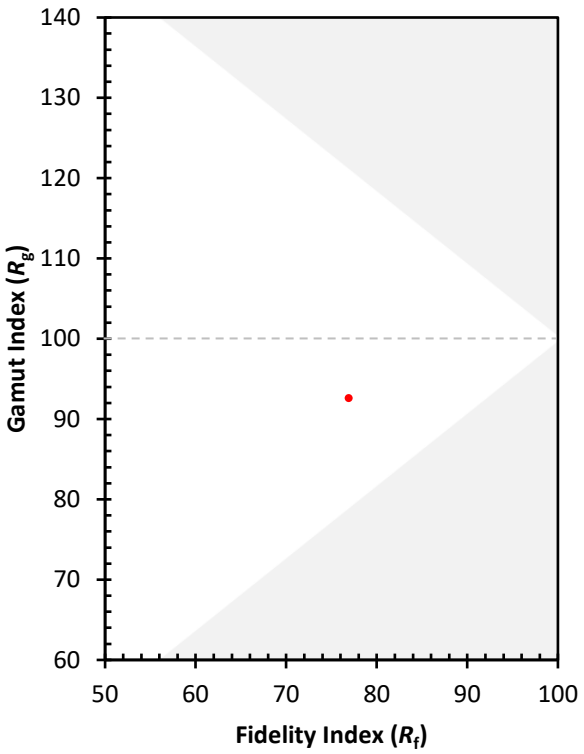
CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 84	CES77 = 76
CES03 = 32	CES28 = 93	CES53 = 79	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 92	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 76	CES81 = 52
CES07 = 44	CES32 = 75	CES57 = 74	CES82 = 92
CES08 = 42	CES33 = 89	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 81	CES86 = 49
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 76
CES13 = 44	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 98	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 95	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 70	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 69	CES92 = 52
CES18 = 57	CES43 = 80	CES68 = 73	CES93 = 69
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 45
CES20 = 68	CES45 = 83	CES70 = 71	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 74	CES96 = 75
CES22 = 81	CES47 = 89	CES72 = 89	CES97 = 75
CES23 = 92	CES48 = 73	CES73 = 67	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 79	

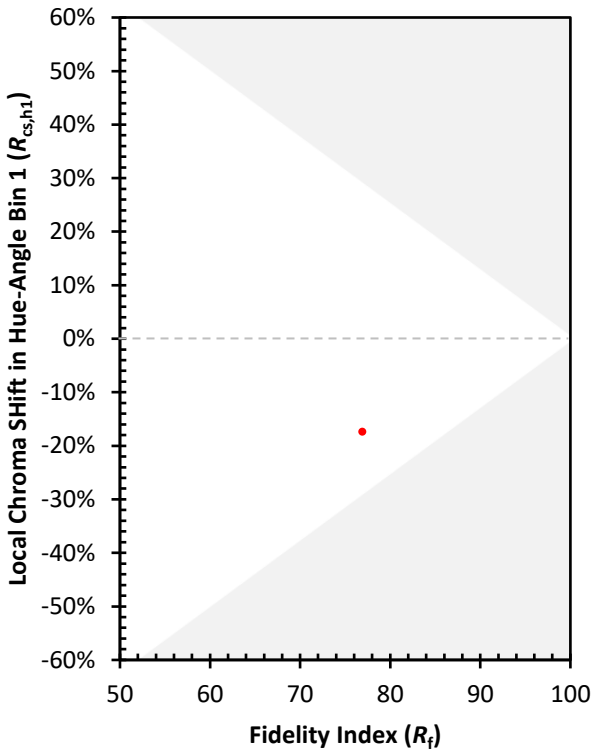


Color Rendition by Hue-Angle Bin



Measure Comparisons





(END OF REPORT)