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: P1460461

Luminaire Tested: PRV-PC1A-750-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1460461
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	6/10/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	LUMARK
Catalog Number:	PRV-PC1A-750-U-5WQ
Description:	PREVAIL DISCRETE LED 1 SQUARE AT 425MA 70CRI 5000K FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source:	(40) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8798.1 lumens
Efficiency:	N/A
Efficacy:	169.2 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G2
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	3.35%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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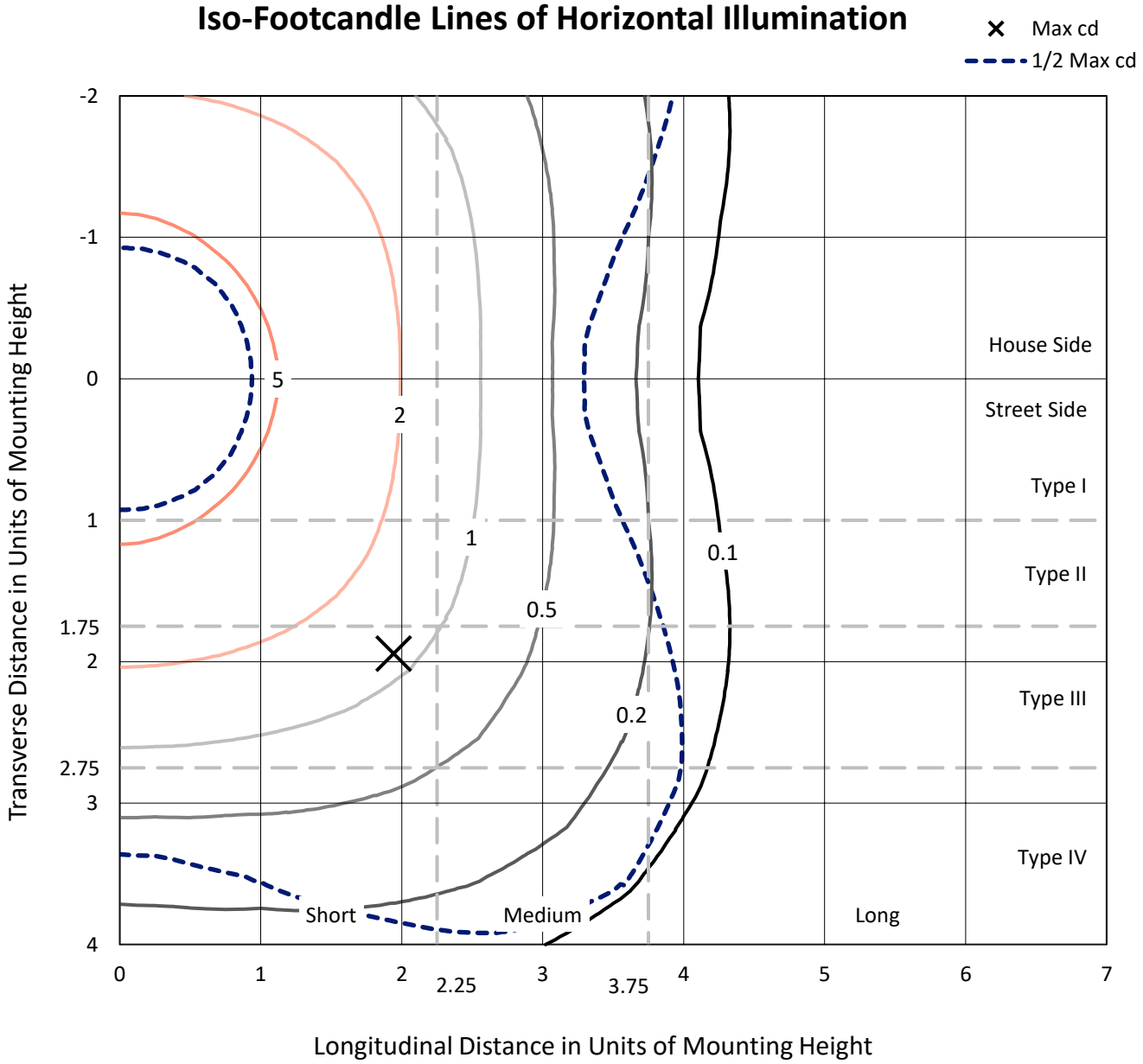
Scaled Data Report

REPORT NUMBER: P1460461
CATALOG NUMBER: PRV-PC1A-750-U-5WQ

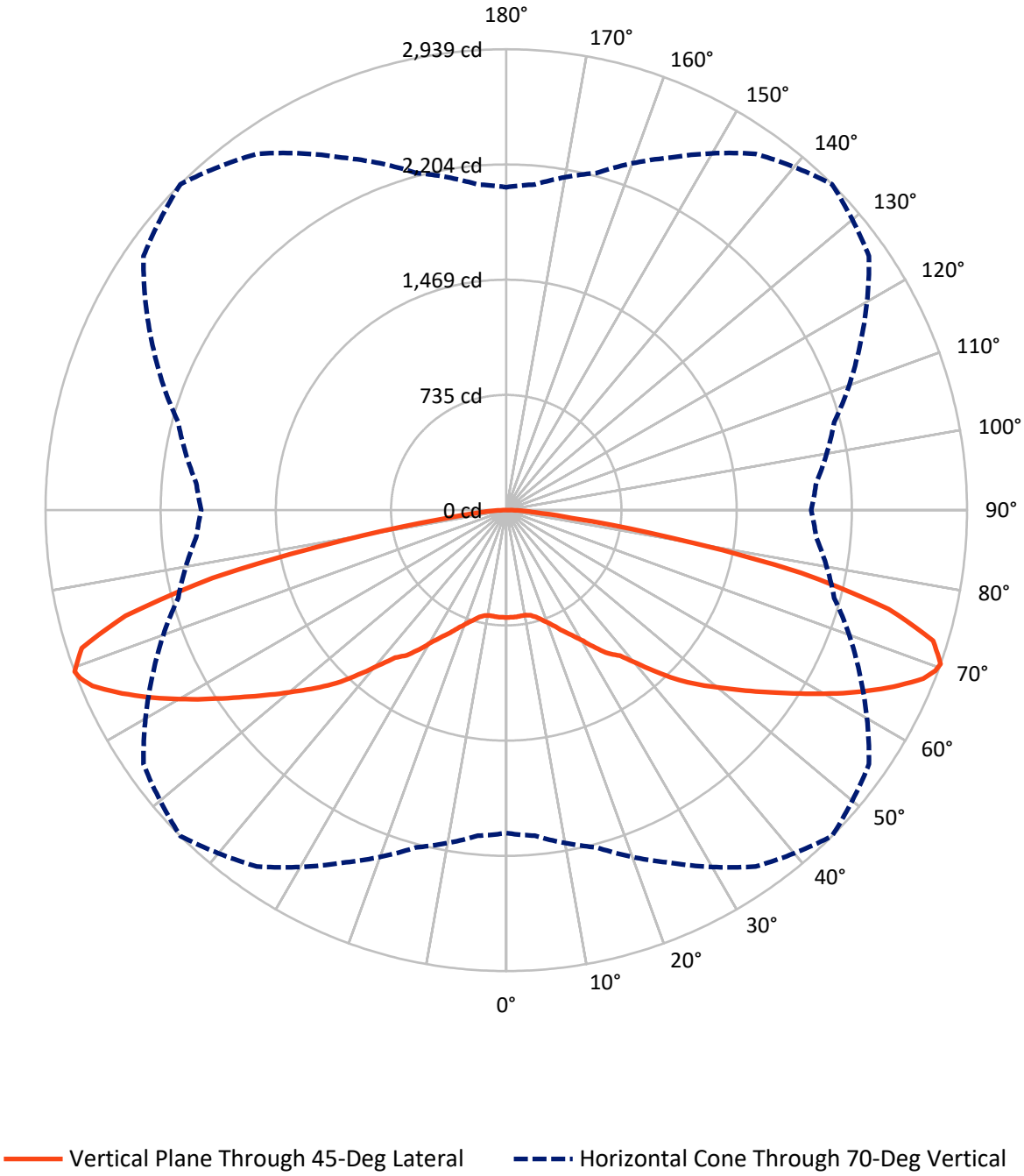
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
Type V - Short - N/A

REPORT NUMBER: P1460461
CATALOG NUMBER: PRV-PC1A-750-U-5WQ

Luminous Intensity Polar Plot



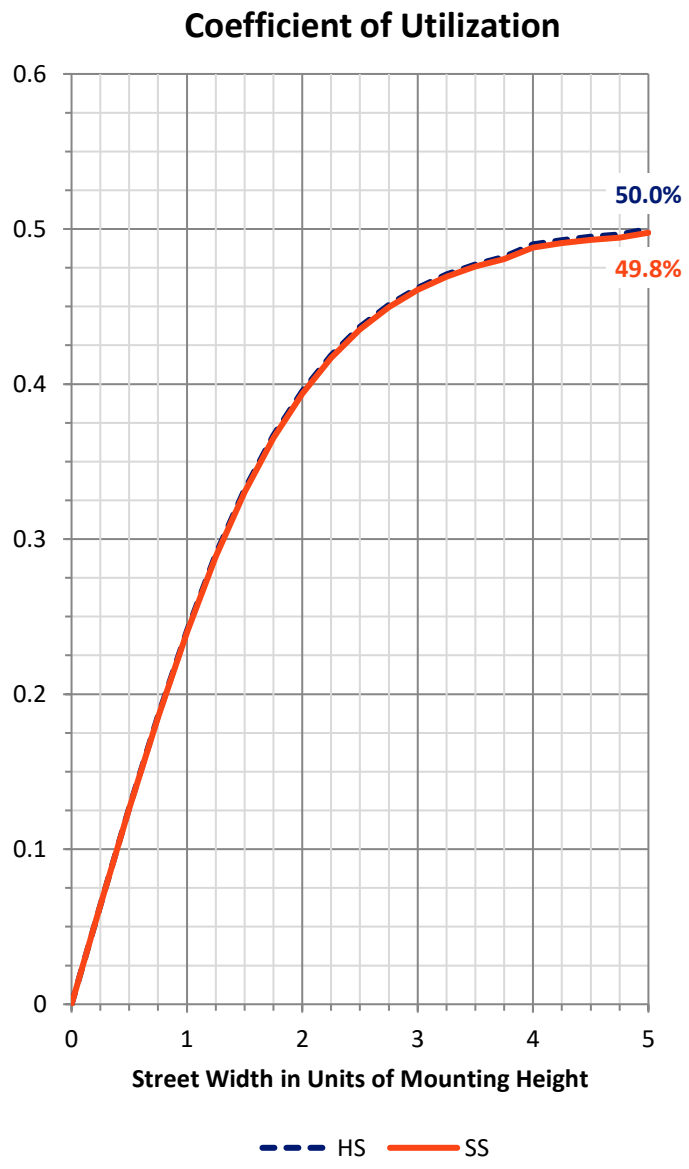
REPORT NUMBER: P1460461
CATALOG NUMBER: PRV-PC1A-750-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4399.0	0.0	4399.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4399.0	0.0	4399.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8798.1	0.0	8798.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	0.7
10°-20°	202.5	2.3
20°-30°	394.5	4.5
30°-40°	699.6	8.0
40°-50°	1207.1	13.7
50°-60°	1822.8	20.7
60°-70°	2427.0	27.6
70°-80°	1760.4	20.0
80°-90°	219.3	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°	8798.1	100.0
0°-180°	8798.1	100.0

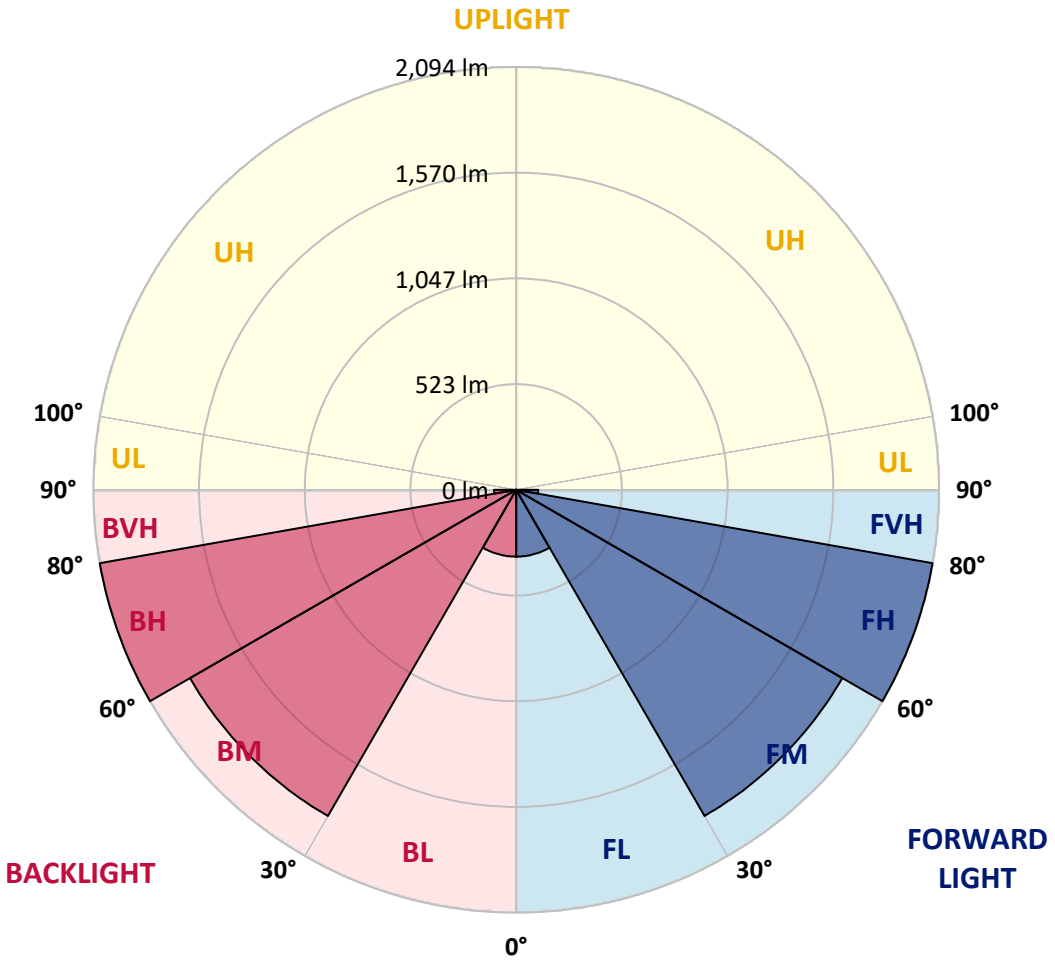


REPORT NUMBER: P1460461
CATALOG NUMBER: PRV-PC1A-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	330.9	3.8			
FM	(30°-60°)	1864.8	21.2			
FH	(60°-80°)	2093.7	23.8			G2/5000
FVH	(80°-90°)	109.7	1.2			G2/225
BL	(0°-30°)	330.9	3.8	B1/500		
BM	(30°-60°)	1864.8	21.2	B2/2500		
BH	(60°-80°)	2093.7	23.8	B3/2500		G2/5000
BVH	(80°-90°)	109.7	1.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	684.0	684.0	684.0	684.0	684.0	*684.0*	684.0	684.0	684.0	684.0	684.0
2.5°	684.4	684.4	684.4	684.4	684.0	*683.6*	683.2	683.2	683.2	682.8	682.8
5°	686.0	685.6	685.6	685.2	685.2	*683.6*	682.0	680.8	679.6	678.4	678.8
7.5°	679.6	680.4	680.0	680.8	681.6	*680.8*	677.6	674.0	670.8	668.0	668.0
10°	680.4	680.0	679.6	680.0	680.8	*680.4*	677.2	672.4	668.0	664.8	664.4
12.5°	691.6	691.6	689.6	688.0	688.8	*688.0*	685.6	680.0	676.4	673.2	673.6
15°	713.6	712.8	710.0	707.6	706.4	*706.0*	704.4	700.4	696.0	692.4	693.6
17.5°	740.3	740.3	734.7	733.5	732.3	*735.5*	731.9	726.3	722.7	720.7	720.7
20°	772.6	773.4	768.7	766.3	766.7	*767.1*	765.5	759.5	755.1	753.1	753.9
22.5°	809.0	807.4	806.2	805.0	807.4	*807.8*	804.6	797.4	794.6	790.6	791.8
25°	840.9	840.9	841.3	847.7	851.7	*857.7*	852.9	841.7	831.3	827.4	827.0
27.5°	875.7	874.9	879.7	888.8	901.6	*907.2*	901.2	887.2	875.3	869.3	866.5
30°	932.8	932.4	933.2	944.7	958.7	*967.1*	960.3	948.7	938.0	932.4	934.8
32.5°	1017.4	1012.6	1019.8	1031.8	1043.0	*1046.6*	1047.4	1034.2	1020.6	1015.8	1017.8
35°	1064.9	1063.7	1071.7	1086.1	1106.1	*1122.4*	1109.7	1098.1	1091.7	1084.9	1083.3
37.5°	1173.1	1172.7	1179.1	1177.9	1181.1	*1177.5*	1183.5	1188.3	1194.3	1189.1	1190.3
40°	1304.5	1301.3	1300.1	1297.7	1288.9	*1283.4*	1294.5	1302.9	1310.1	1320.1	1315.3
42.5°	1442.3	1437.1	1433.1	1425.9	1416.7	*1412.7*	1414.3	1429.5	1435.9	1437.1	1437.5
45°	1599.2	1589.6	1572.8	1560.1	1547.3	*1546.1*	1545.3	1548.5	1548.9	1548.9	1555.3
47.5°	1737.0	1735.8	1711.8	1689.8	1664.3	*1664.3*	1655.5	1654.3	1659.5	1666.3	1662.7
50°	1854.0	1850.0	1828.8	1810.0	1796.5	*1780.1*	1767.3	1757.3	1764.5	1770.5	1773.7
52.5°	1948.6	1948.2	1933.8	1926.6	1921.4	*1911.5*	1881.9	1863.9	1865.5	1872.7	1870.7
55°	2032.0	2037.6	2038.4	2047.6	2057.2	*2050.0*	2021.7	1994.5	1980.5	1970.2	1969.8
57.5°	2127.5	2131.1	2142.3	2171.8	2199.4	*2205.7*	2177.0	2136.7	2097.9	2072.4	2062.8
60°	2226.9	2227.7	2256.9	2303.6	2353.9	*2375.0*	2349.5	2283.2	2212.9	2157.4	2147.4
62.5°	2316.3	2314.4	2358.3	2429.0	2513.6	*2547.9*	2514.0	2417.0	2295.6	2218.1	2204.9
65°	2355.1	2360.3	2418.2	2526.8	2646.6	*2713.7*	2669.7	2508.4	2331.9	2227.3	2211.3
67.5°	2284.8	2299.6	2392.2	2562.7	2750.4	*2868.2*	2791.1	2545.9	2301.6	2165.8	2144.6
69°	2184.2	2187.8	2308.0	2531.2	2778.3	*2922.1*	2824.7	2526.4	2240.5	2068.0	2045.6
70°	*2058.8*	*2084.0*	*2226.1*	*2480.5*	*2773.5*	*2938.9*	*2824.3*	*2489.2*	*2166.2*	*1984.5*	*1945.0*
72.5°	1671.5	1680.7	1882.7	2272.0	2656.2	*2847.4*	2689.3	2284.0	1881.5	1611.2	1600.8
75°	1119.6	1164.0	1407.1	1877.5	2319.9	*2519.6*	2321.9	1875.1	1410.7	1073.3	1026.2
77.5°	580.6	605.7	821.8	1223.5	1686.6	*1922.2*	1731.4	1312.1	868.9	524.7	497.9
80°	285.5	299.1	379.7	564.2	873.7	*1059.3*	970.3	689.6	406.9	259.9	244.4
82.5°	160.5	165.7	210.8	262.7	364.2	*424.1*	396.9	336.2	204.4	154.1	149.7
85°	83.5	87.8	131.4	162.1	181.3	*183.3*	182.9	180.5	129.0	94.2	89.8
87.5°	39.5	43.5	67.5	89.0	93.8	*90.6*	96.2	83.5	61.1	42.7	37.5
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: SP2-2501-321-5

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-750-U-T4W

Data in this report applies to families of products including GKO-PB1E-750-U-T4W

Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

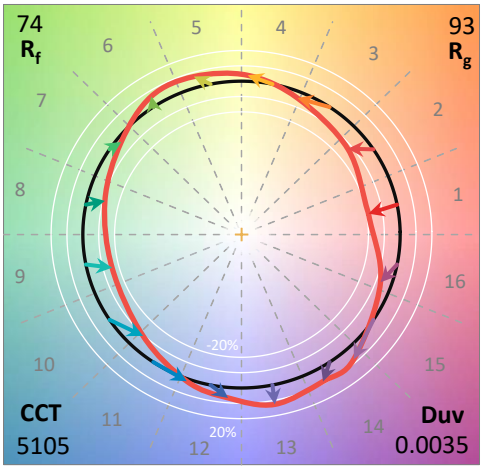
Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-5
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-750-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	5105	CRI (Ra):		72.2			
CIE u':	0.2079	R1:		68.8	R9:		-38.2
CIE v':	0.4868	R2:		78.3	R10:		48.2
Duv:	0.0035	R3:		84.9	R11:		68.1
CIE x:	0.3428	R4:		71.7	R12:		42.9
CIE y:	0.3567	R5:		69.8	R13:		70.6
CIE z:	0.3005	R6:		69.8	R14:		91.6
Peak Wavelength (nm):	451	R7:		81.2	R15:		61.7
Dominant Wavelength (nm):	567	R8:		53.5			
Purity:	9.884628						

Rf:	74.2
Rg:	92.7



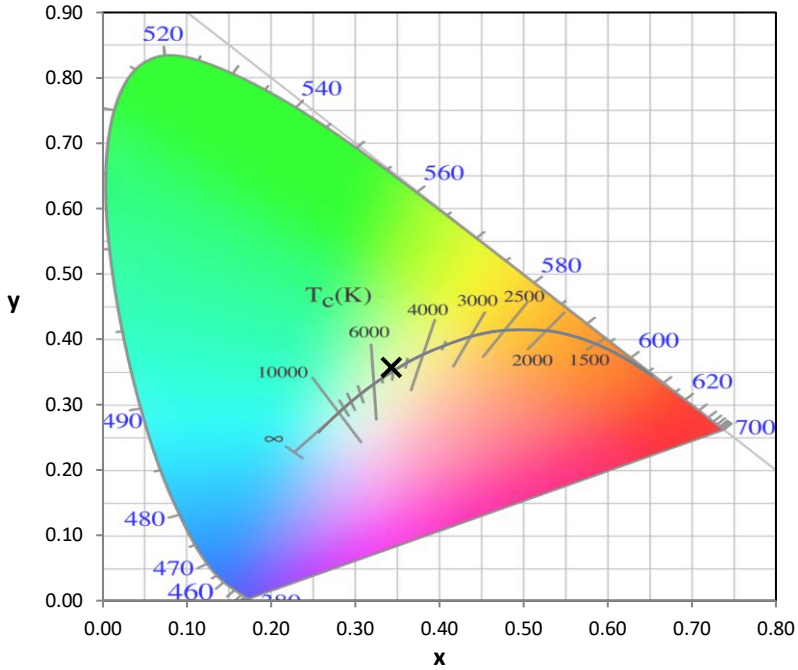
Test Conditions

Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.0

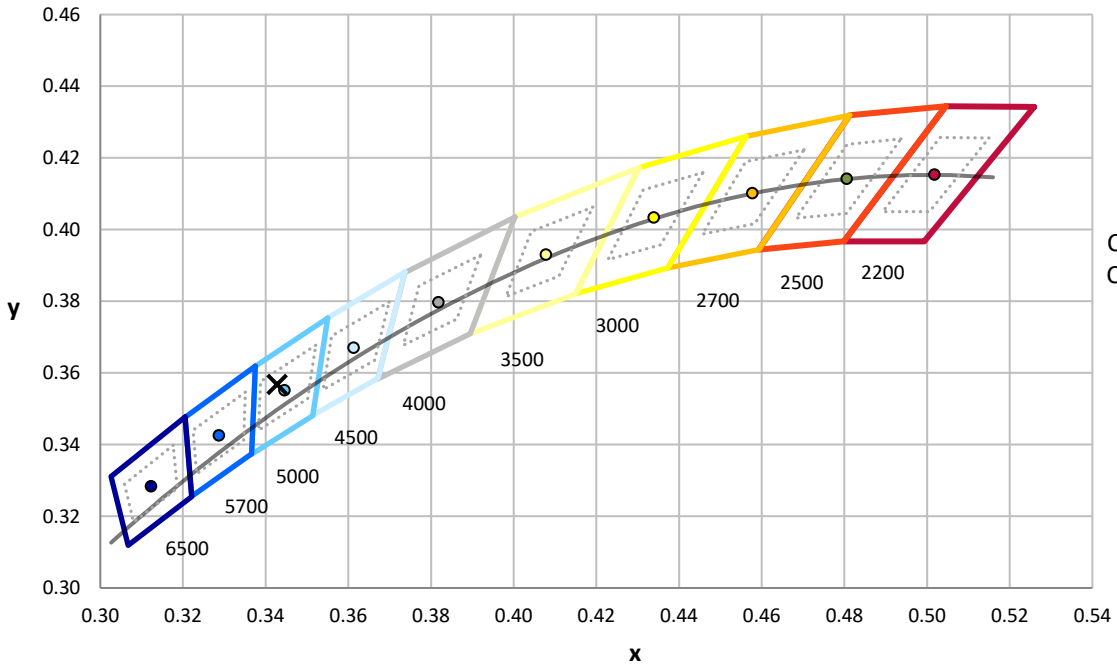
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

REPORT NUMBER: SP2-2501-321-5

CIE 1931 Chromaticity Diagram



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

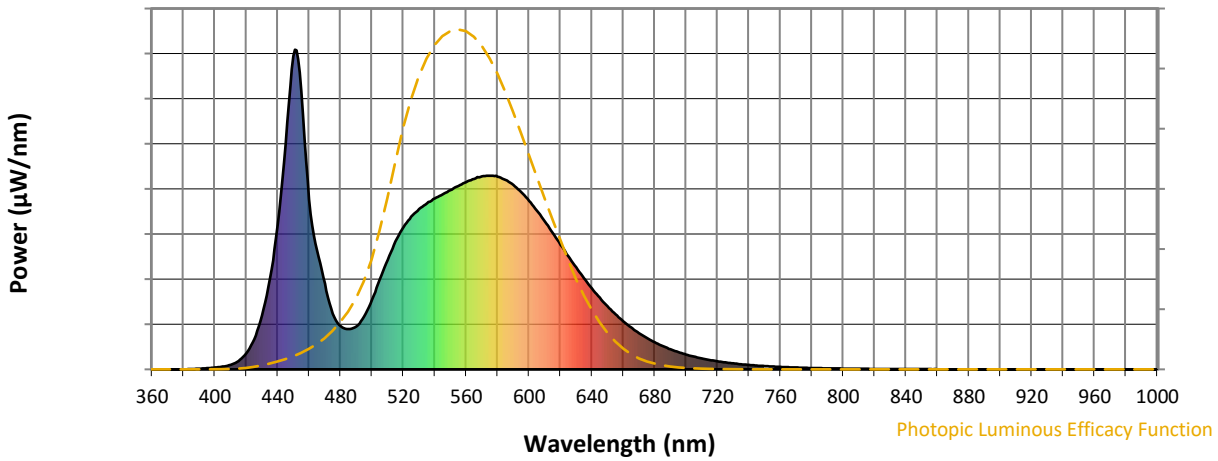


CCT = 5105K
CIE x = 0.3428
CIE y = 0.3567
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-5

Photopic Flux vs. Wavelength

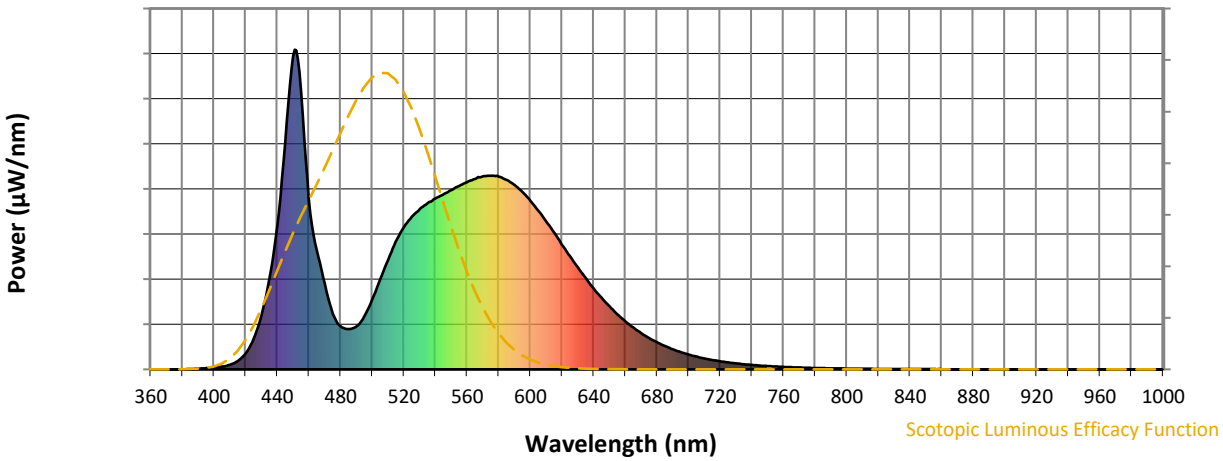


Photopic Lumens: NR

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP2-2501-321-5

Scotopic Flux vs. Wavelength

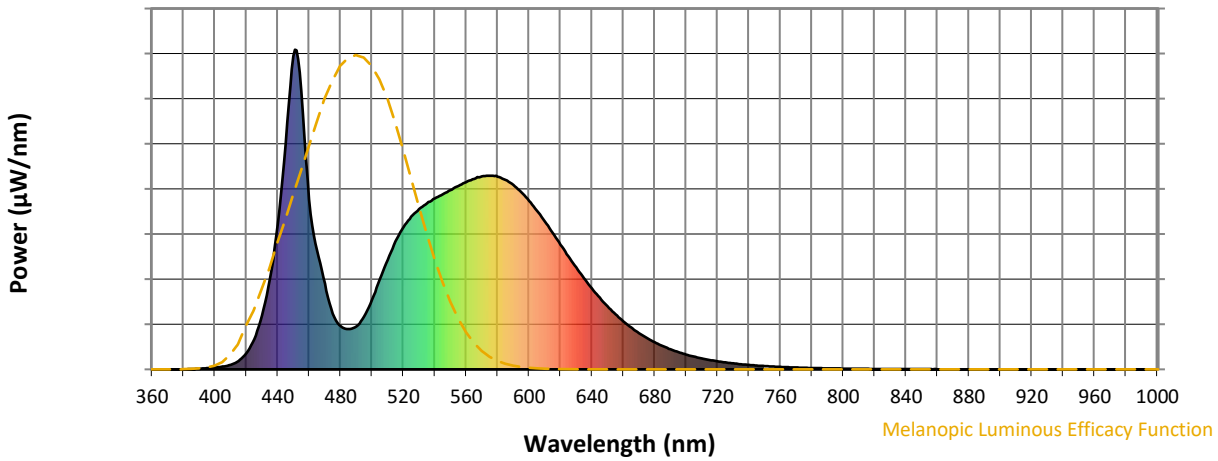


Scotopic Lumens: NR **S/P: 1.82**

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP2-2501-321-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.75**

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

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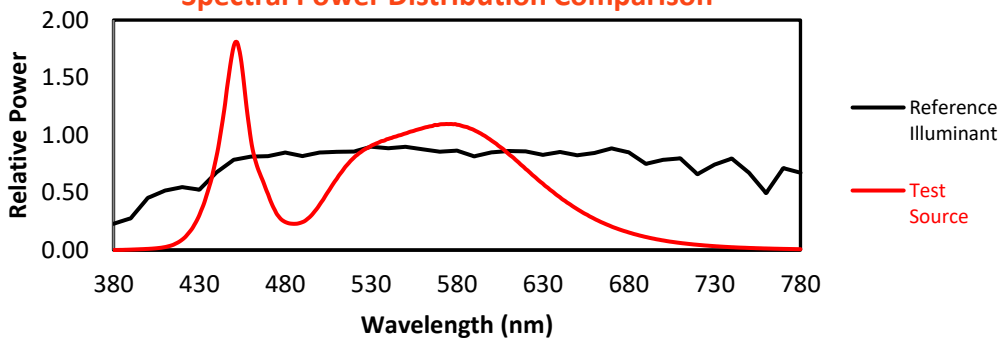
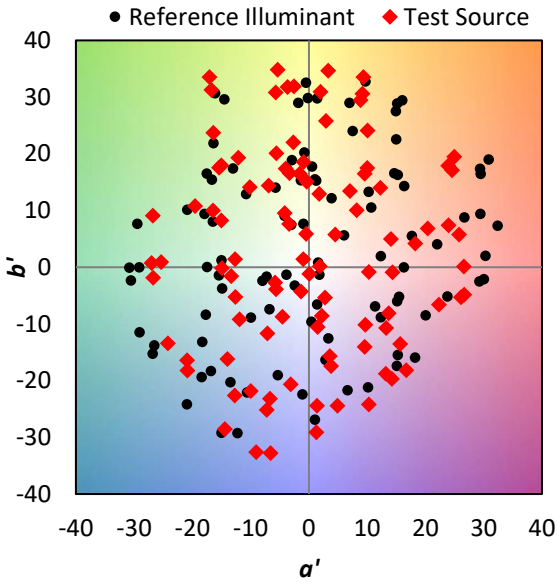
Summary

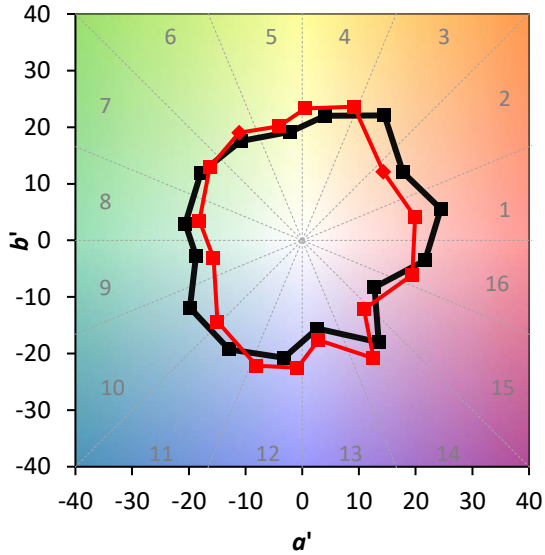
R_f = 74.2
R_g = 92.7
CIE R_a = 72.2
R_9 = -38.2

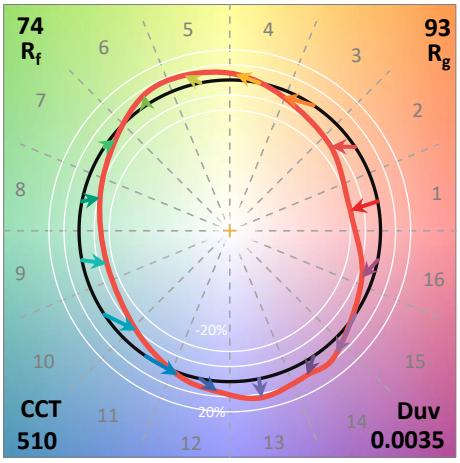
Spectral Power Distribution Comparison

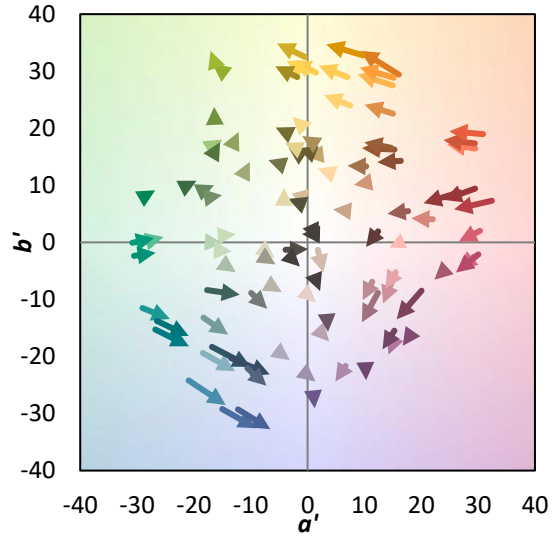


Color Vector Graphics



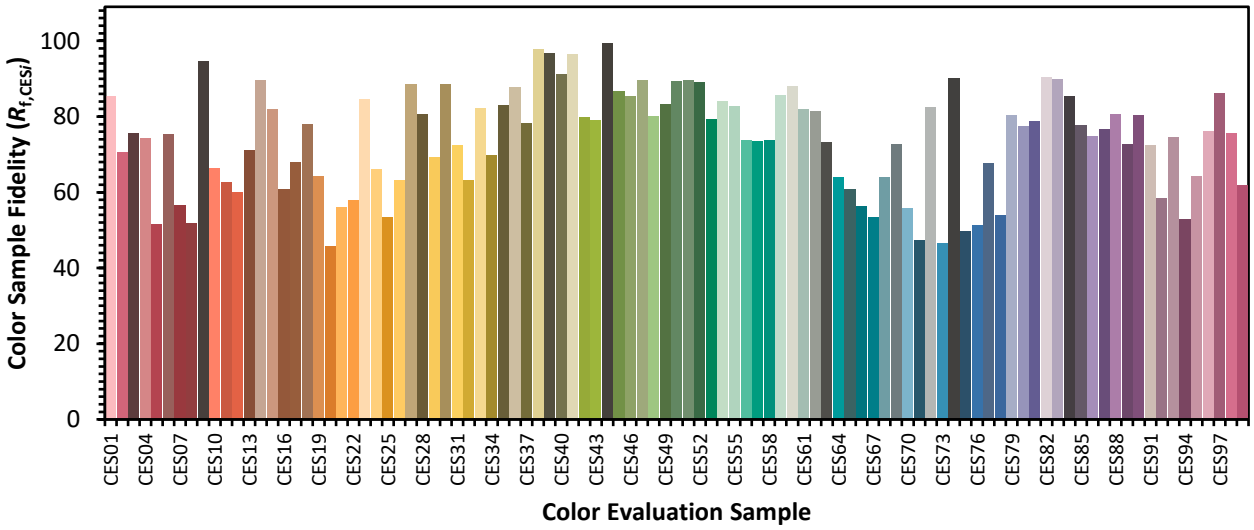




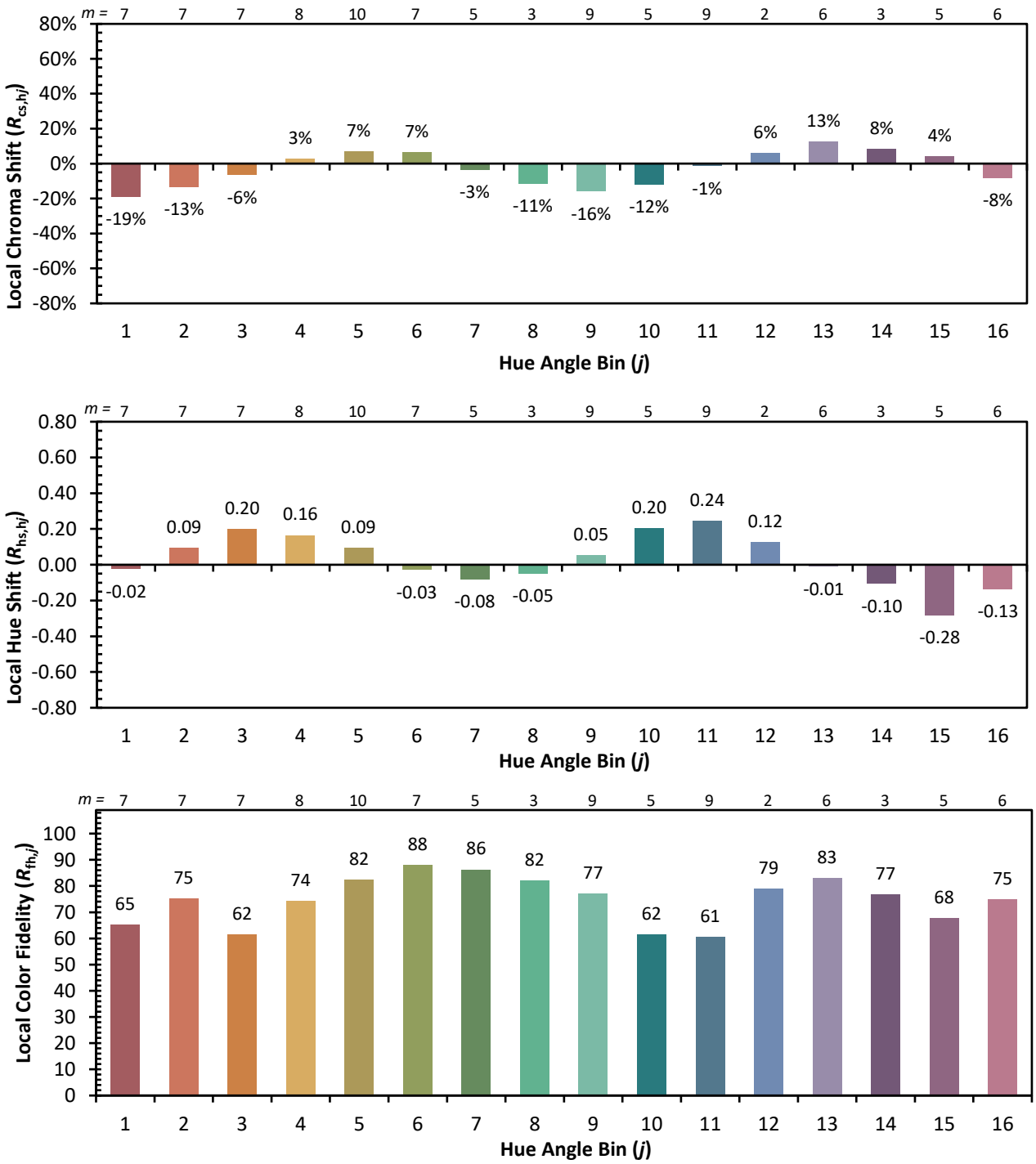


Individual Sample Fidelity Index ($R_{f,i}$)

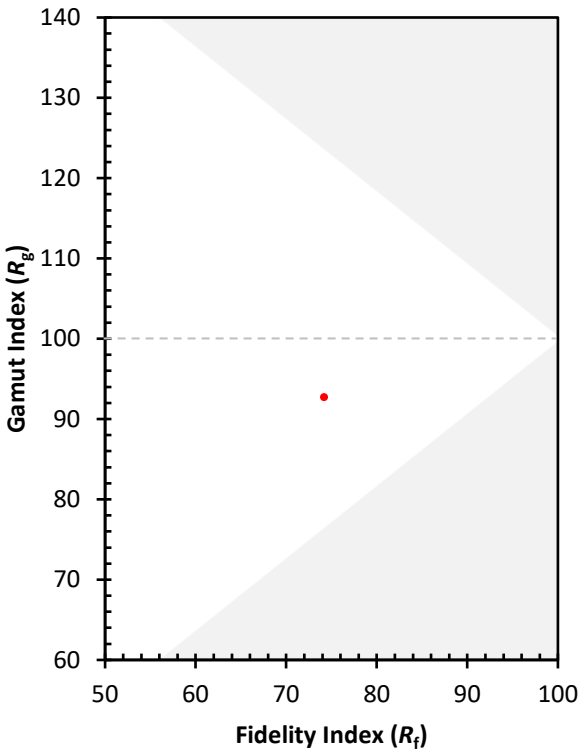
CES01 = 85	CES26 = 63	CES51 = 89	CES76 = 51
CES02 = 59	CES27 = 89	CES52 = 89	CES77 = 68
CES03 = 30	CES28 = 81	CES53 = 79	CES78 = 54
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 79
CES07 = 38	CES32 = 63	CES57 = 73	CES82 = 91
CES08 = 38	CES33 = 82	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 78
CES11 = 56	CES36 = 88	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 73
CES15 = 70	CES40 = 91	CES65 = 61	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 72
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 58
CES18 = 55	CES43 = 79	CES68 = 64	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 73	CES94 = 53
CES20 = 63	CES45 = 87	CES70 = 56	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 90	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 47	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 50	

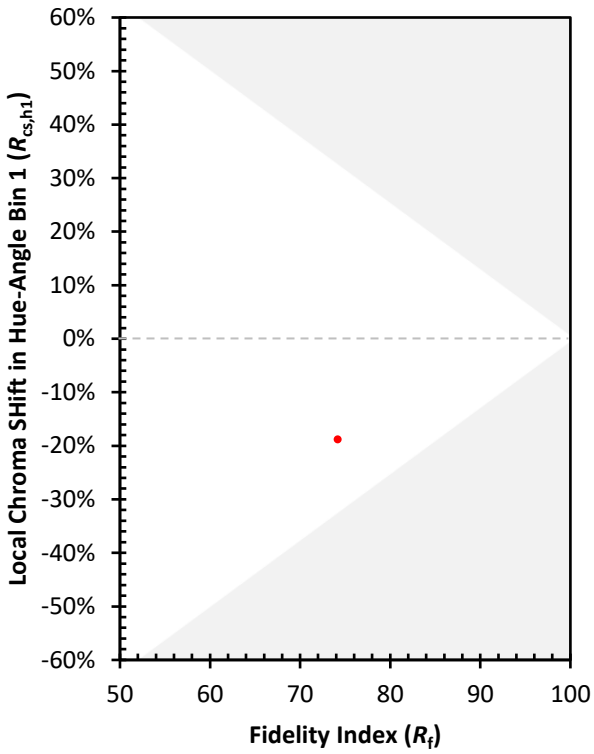


Color Rendition by Hue-Angle Bin



Measure Comparisons





(END OF REPORT)