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: P1460455

Luminaire Tested: PRV-PC1C-730-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1460455
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	6/10/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	LUMARK
Catalog Number:	PRV-PC1C-730-U-5WQ
Description:	PREVAIL DISCRETE LED 1 SQUARE AT 880MA 70CRI 3000K FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source:	(40) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16625.8 lumens
Efficiency:	N/A
Efficacy:	149.8 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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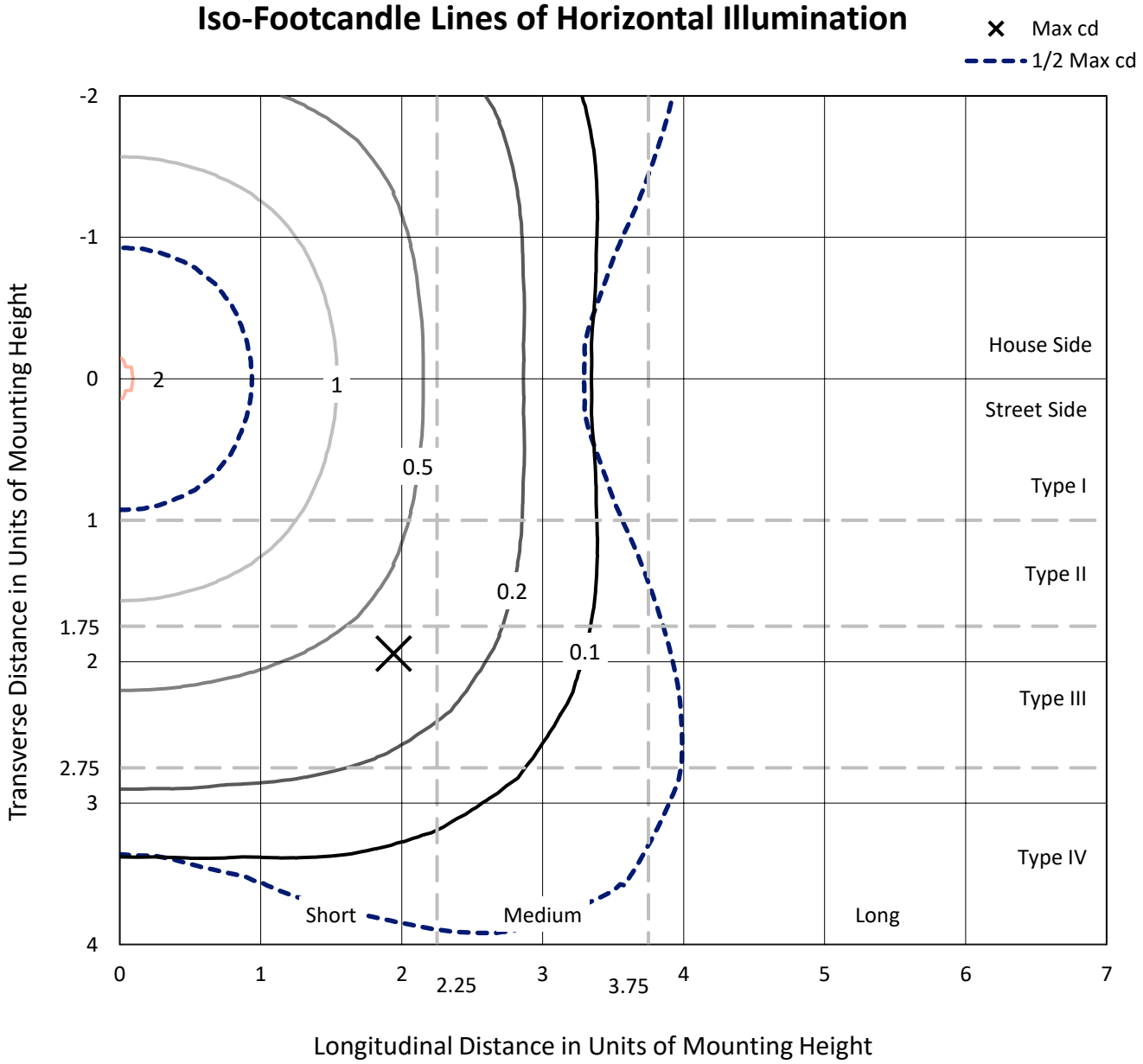
Scaled Data Report

REPORT NUMBER: P1460455
CATALOG NUMBER: PRV-PC1C-730-U-5WQ

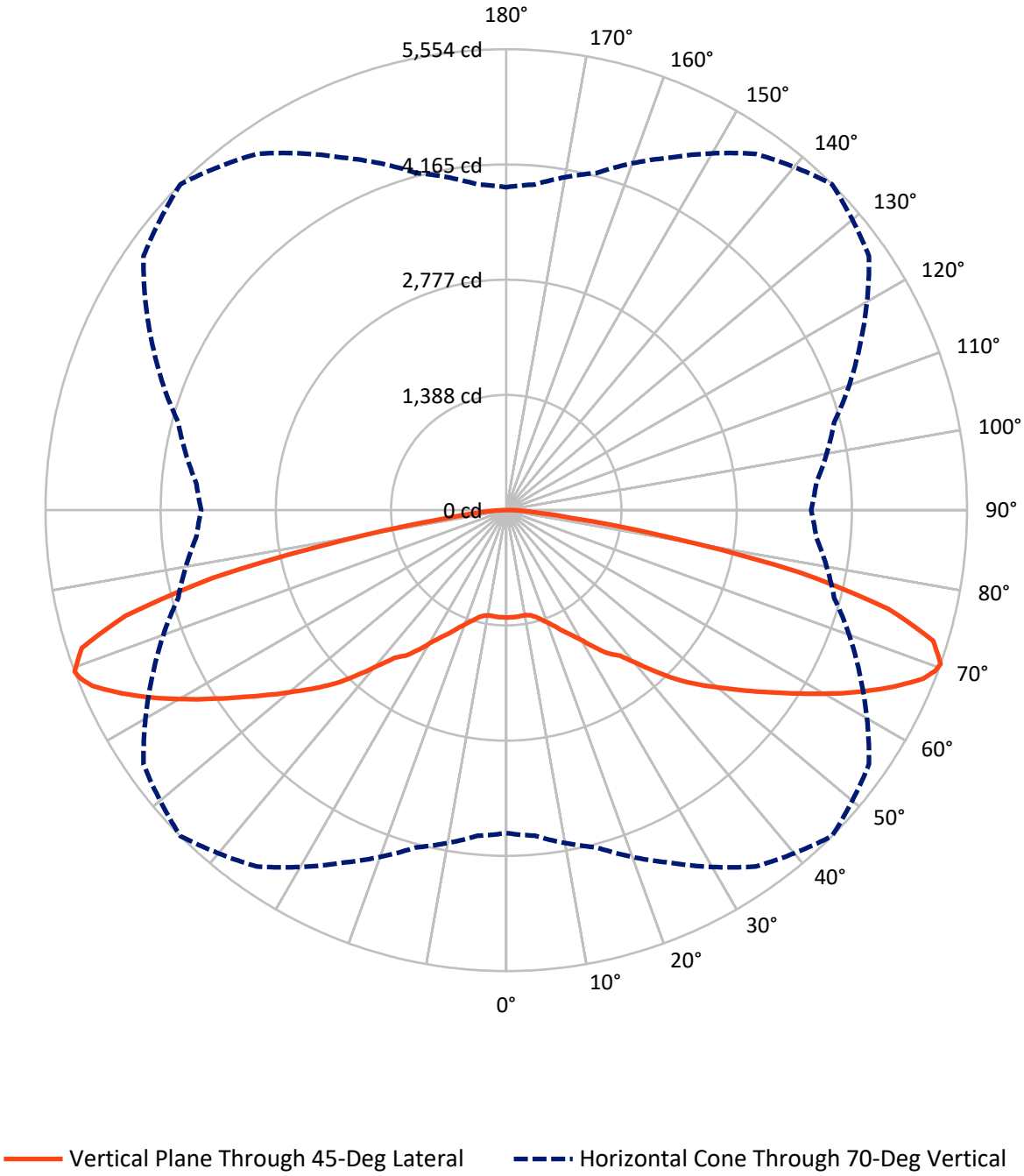
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - N/A

REPORT NUMBER: P1460455
CATALOG NUMBER: PRV-PC1C-730-U-5WQ

Luminous Intensity Polar Plot



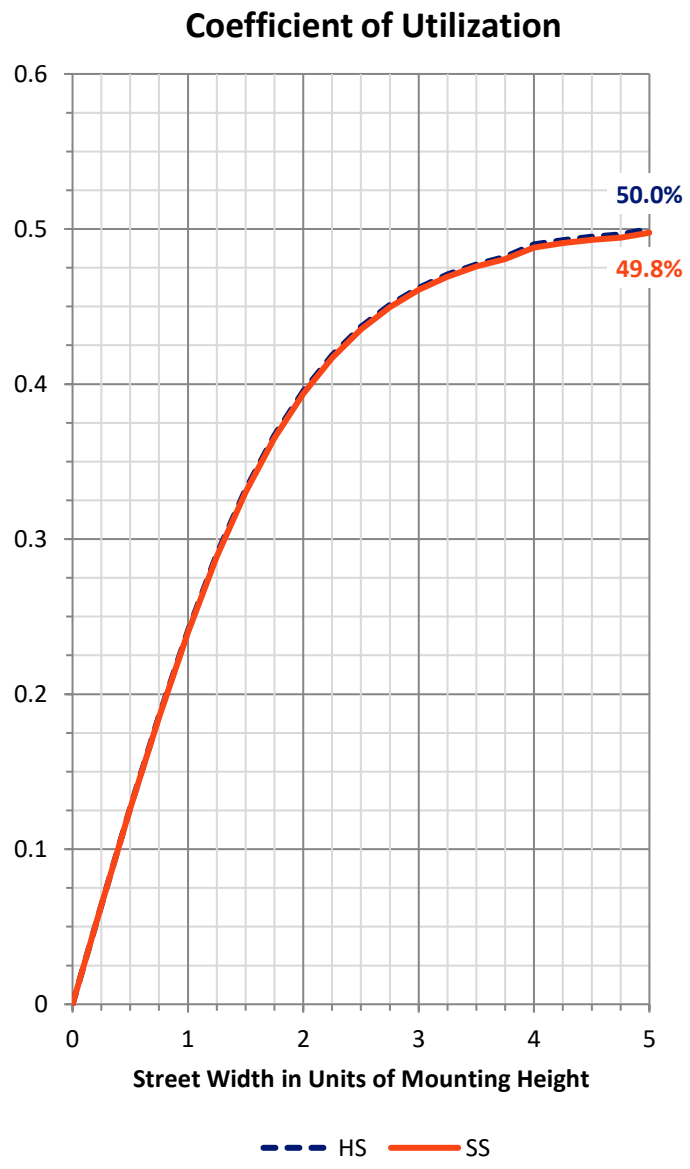
REPORT NUMBER: P1460455
CATALOG NUMBER: PRV-PC1C-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8312.9	0.0	8312.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8312.9	0.0	8312.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	16625.8	0.0	16625.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	0.7
10°-20°	382.7	2.3
20°-30°	745.5	4.5
30°-40°	1322.1	8.0
40°-50°	2281.1	13.7
50°-60°	3444.5	20.7
60°-70°	4586.3	27.6
70°-80°	3326.6	20.0
80°-90°	414.4	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°	16625.8	100.0
0°-180°	16625.8	100.0

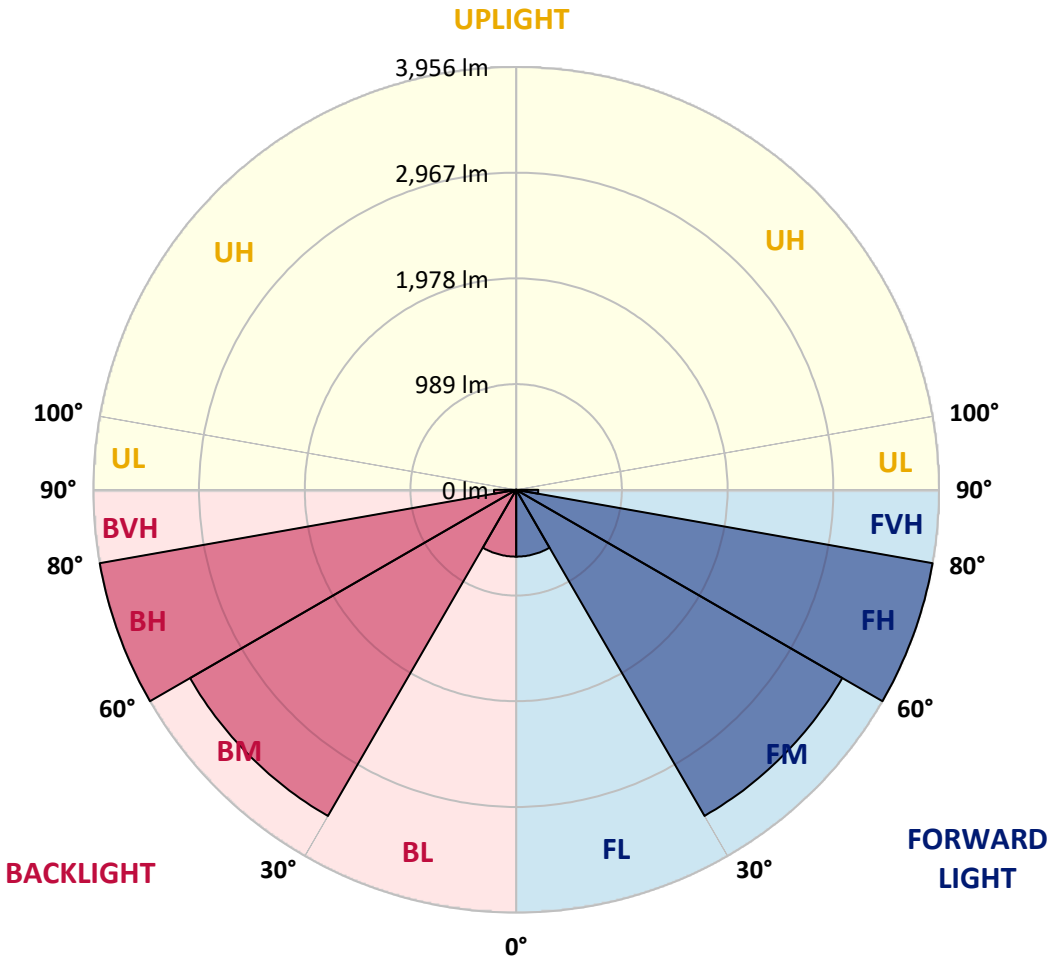


REPORT NUMBER: P1460455
CATALOG NUMBER: PRV-PC1C-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	625.3	3.8			
FM	(30°-60°)	3523.9	21.2			
FH	(60°-80°)	3956.5	23.8			G2/5000
FVH	(80°-90°)	207.2	1.2			G2/225
BL	(0°-30°)	625.3	3.8	B2/1000		
BM	(30°-60°)	3523.9	21.2	B3/5000		
BH	(60°-80°)	3956.5	23.8	B4/5000		G2/5000
BVH	(80°-90°)	207.2	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°	1292.6	1292.6	1292.6	1292.6	1292.6	*1292.6*	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1293.3	1293.3	1293.3	1293.3	1292.6	*1291.8*	1291.1	1291.1	1291.1	1290.3	1290.3
5°	1296.3	1295.6	1295.6	1294.8	1294.8	*1291.8*	1288.8	1286.5	1284.3	1282.0	1282.8
7.5°	1284.3	1285.8	1285.0	1286.5	1288.0	*1286.5*	1280.5	1273.7	1267.7	1262.4	1262.4
10°	1285.8	1285.0	1284.3	1285.0	1286.5	*1285.8*	1279.7	1270.7	1262.4	1256.3	1255.6
12.5°	1306.9	1306.9	1303.1	1300.1	1301.6	*1300.1*	1295.6	1285.0	1278.2	1272.2	1272.9
15°	1348.4	1346.9	1341.6	1337.1	1334.8	*1334.1*	1331.0	1323.5	1315.2	1308.4	1310.7
17.5°	1399.0	1399.0	1388.4	1386.1	1383.9	*1389.9*	1383.1	1372.5	1365.8	1362.0	1362.0
20°	1460.1	1461.6	1452.5	1448.0	1448.8	*1449.5*	1446.5	1435.2	1426.9	1423.1	1424.6
22.5°	1528.7	1525.7	1523.5	1521.2	1525.7	*1526.5*	1520.4	1506.9	1501.6	1494.0	1496.3
25°	1589.1	1589.1	1589.9	1601.9	1609.5	*1620.8*	1611.7	1590.6	1571.0	1563.5	1562.7
27.5°	1654.8	1653.2	1662.3	1679.7	1703.8	*1714.4*	1703.0	1676.6	1654.0	1642.7	1637.4
30°	1762.7	1761.9	1763.4	1785.3	1811.7	*1827.6*	1814.7	1792.8	1772.5	1761.9	1766.4
32.5°	1922.6	1913.6	1927.2	1949.8	1970.9	*1977.7*	1979.2	1954.3	1928.7	1919.6	1923.4
35°	2012.4	2010.2	2025.2	2052.4	2090.1	*2121.1*	2096.9	2075.0	2063.0	2050.1	2047.1
37.5°	2216.9	2216.2	2228.2	2226.0	2232.0	*2225.2*	2236.5	2245.6	2256.9	2247.1	2249.4
40°	2465.2	2459.1	2456.9	2452.3	2435.7	*2425.2*	2446.3	2462.1	2475.7	2494.6	2485.5
42.5°	2725.5	2715.7	2708.1	2694.5	2677.2	*2669.6*	2672.7	2701.3	2713.4	2715.7	2716.4
45°	3022.0	3003.9	2972.2	2948.1	2923.9	*2921.7*	2920.2	2926.2	2926.9	2926.9	2939.0
47.5°	3282.3	3280.1	3234.8	3193.3	3145.0	*3145.0*	3128.4	3126.2	3136.0	3148.8	3142.0
50°	3503.4	3495.9	3455.9	3420.4	3394.8	*3363.8*	3339.7	3320.8	3334.4	3345.7	3351.8
52.5°	3682.3	3681.5	3654.3	3640.8	3631.0	*3612.1*	3556.3	3522.3	3525.3	3538.9	3535.1
55°	3840.0	3850.5	3852.0	3869.4	3887.5	*3873.9*	3820.4	3769.0	3742.6	3723.0	3722.3
57.5°	4020.3	4027.1	4048.2	4104.1	4156.1	*4168.2*	4113.9	4037.7	3964.5	3916.2	3898.1
60°	4208.2	4209.7	4264.8	4353.1	4448.1	*4488.1*	4439.8	4314.6	4181.8	4076.9	4058.0
62.5°	4377.2	4373.4	4456.4	4590.0	4750.0	*4814.9*	4750.7	4567.4	4338.0	4191.6	4166.7
65°	4450.4	4460.2	4569.6	4774.9	5001.2	*5128.0*	5045.0	4740.2	4406.6	4209.0	4178.8
67.5°	4317.6	4345.5	4520.6	4842.8	5197.4	*5420.0*	5274.4	4811.1	4349.3	4092.7	4052.8
69°	4127.5	4134.2	4361.4	4783.2	5250.2	*5521.9*	5337.8	4774.1	4233.9	3907.9	3865.6
70°	*3890.5*	*3938.1*	*4206.7*	*4687.3*	*5241.2*	*5553.6*	*5337.0*	*4703.9*	*4093.5*	*3750.2*	*3675.5*
72.5°	3158.6	3176.0	3557.8	4293.5	5019.4	*5380.8*	5082.0	4316.1	3555.5	3044.7	3025.0
75°	2115.8	2199.6	2659.1	3548.0	4384.0	*4761.3*	4387.8	3543.4	2665.9	2028.3	1939.2
77.5°	1097.1	1144.7	1552.9	2312.0	3187.3	*3632.5*	3271.8	2479.5	1641.9	991.5	940.9
80°	539.5	565.2	717.6	1066.2	1651.0	*2001.9*	1833.6	1303.1	768.9	491.2	461.8
82.5°	303.3	313.1	398.4	496.5	688.2	*801.3*	750.0	635.3	386.3	291.3	283.0
85°	157.7	166.0	248.3	306.4	342.6	*346.3*	345.6	341.1	243.7	178.1	169.8
87.5°	74.7	82.2	127.5	168.3	177.3	*171.3*	181.8	157.7	115.4	80.7	70.9
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: SP2-2501-321-4

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-730-U-T4W

Data in this report applies to families of products including GKO-PB1E-730-U-T4W

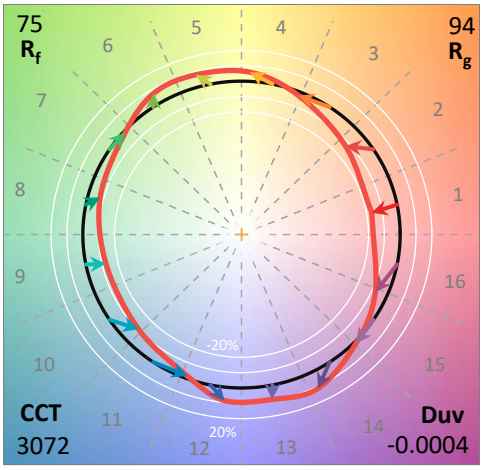
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-4
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-730-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3072	CRI (Ra):		71.7			
CIE u':	0.2482	R1:		68.1	R9:		-33.9
CIE v':	0.5193	R2:		82.1	R10:		58.6
Duv:	-0.0004	R3:		93.4	R11:		62.0
CIE x:	0.4313	R4:		67.3	R12:		48.5
CIE y:	0.4010	R5:		67.2	R13:		70.7
CIE z:	0.1677	R6:		74.9	R14:		96.4
Peak Wavelength (nm):	593	R7:		77.5	R15:		60.2
Dominant Wavelength (nm):	582	R8:		43.4			
Purity:	49.8225						
Rf:	74.7						
Rg:	94.2						



Test Conditions

Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.7

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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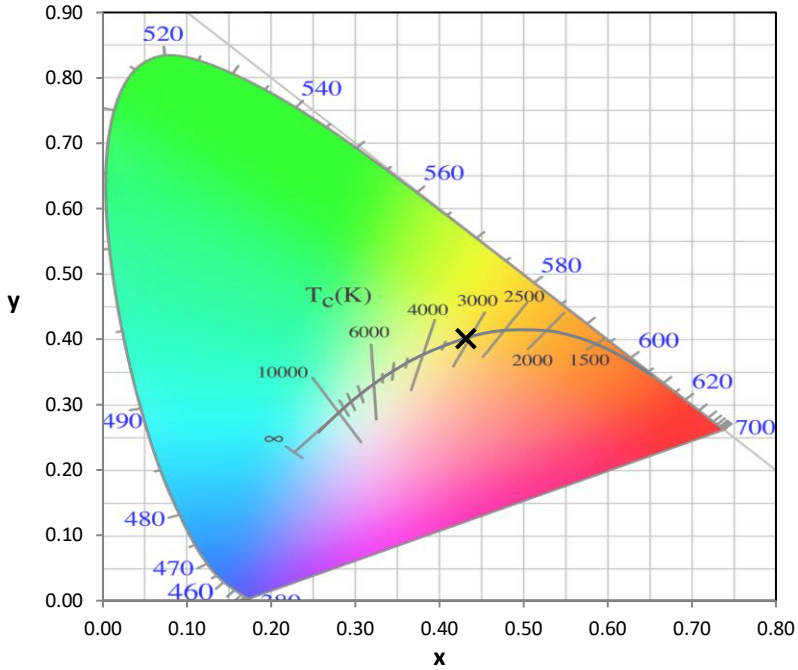
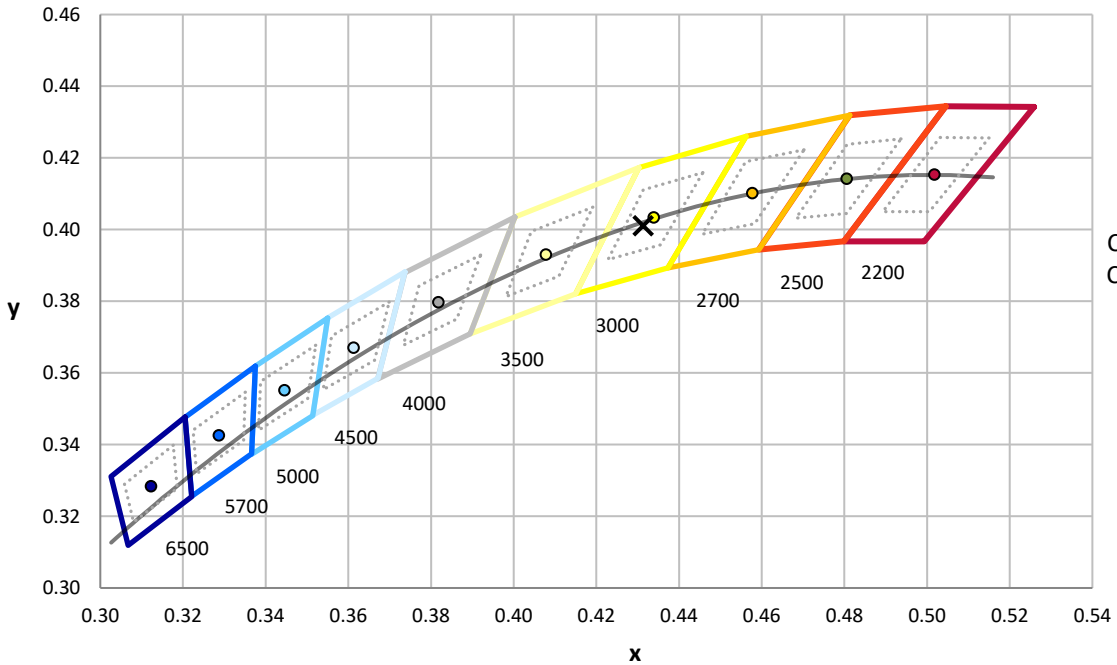
CIE 1931 Chromaticity Diagram



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

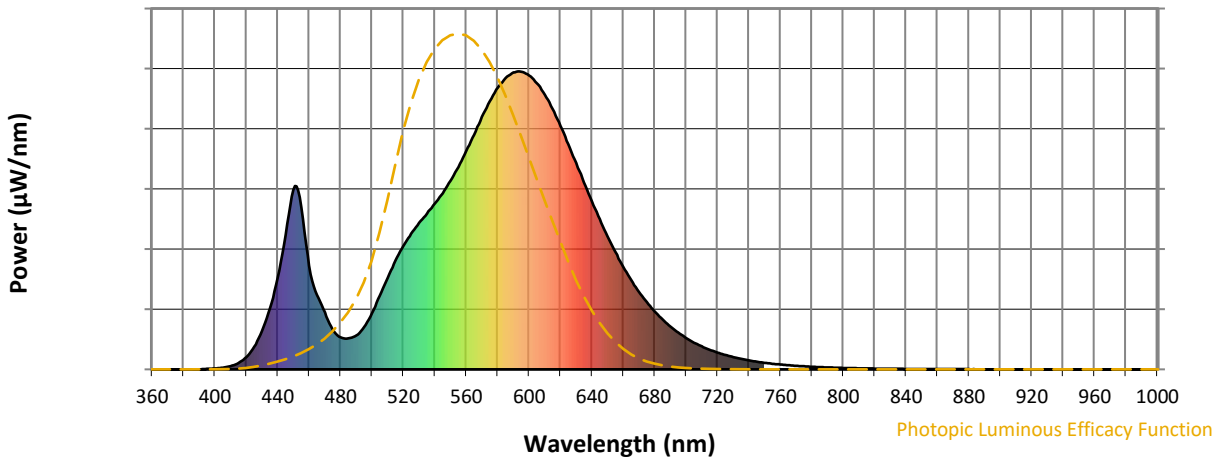


CCT = 3072K
CIE x = 0.4313
CIE y = 0.4010
Duv = -0.0004

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-4

Photopic Flux vs. Wavelength

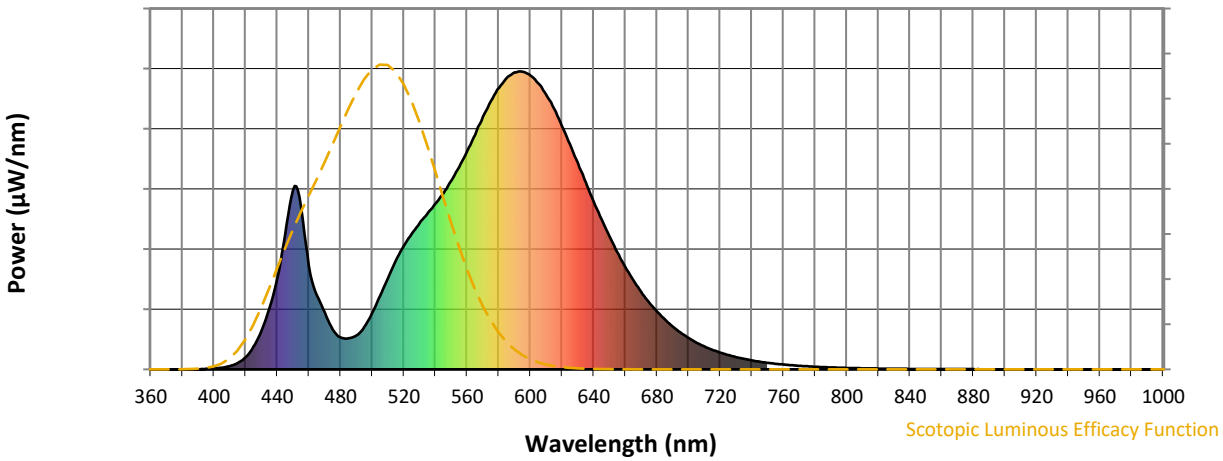


Photopic Lumens: NR

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.24**

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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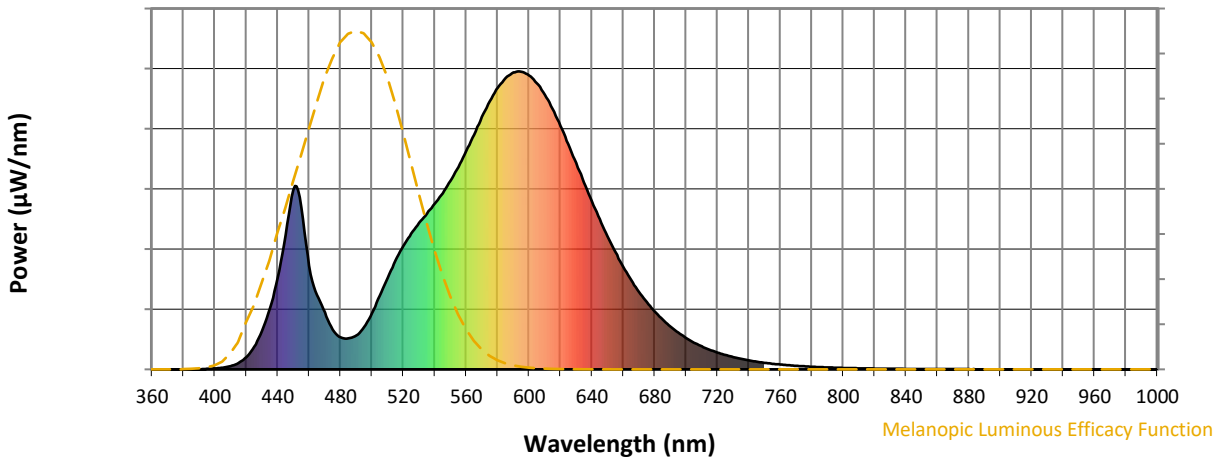
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.3**

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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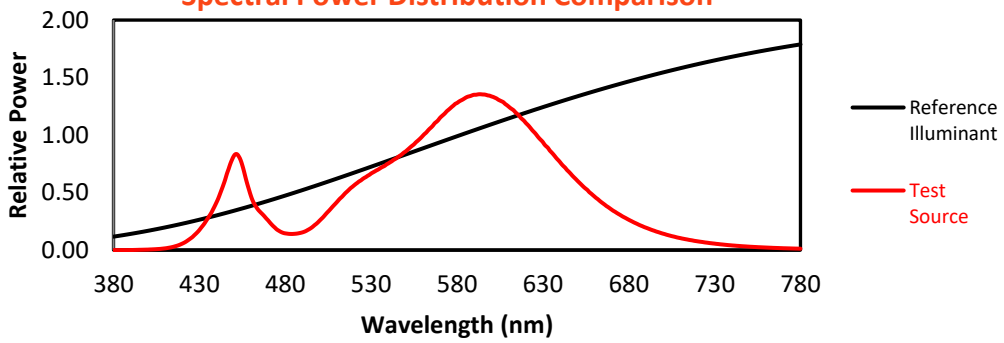
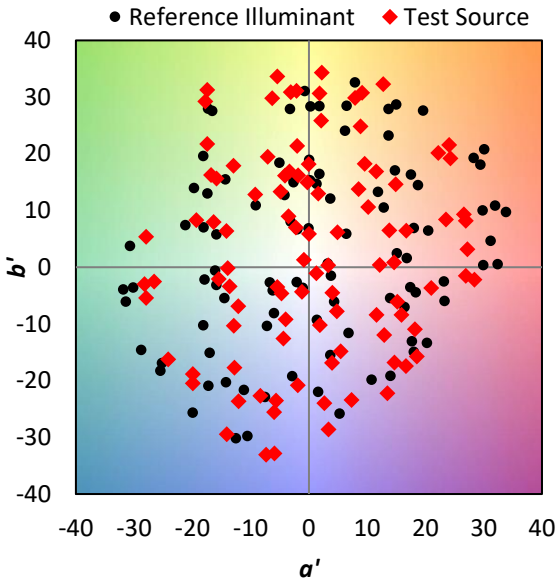
Summary

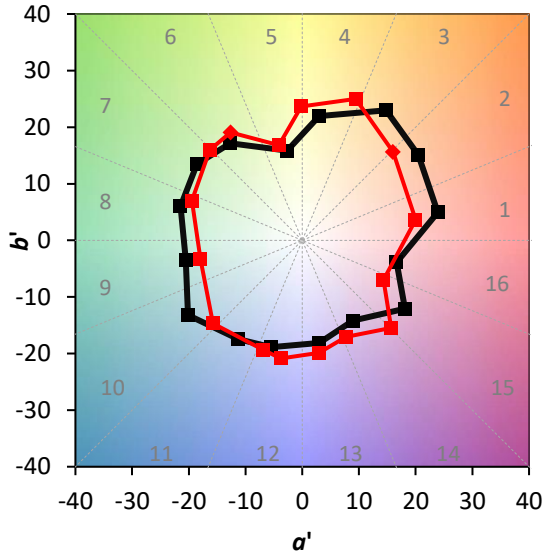
R_f = 74.7
R_g = 94.2
CIE R_a = 71.7
R_9 = -33.9

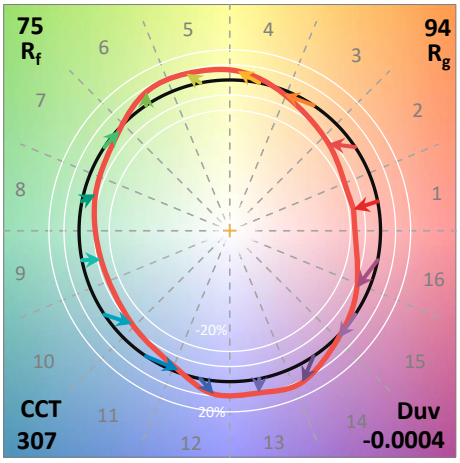
Spectral Power Distribution Comparison

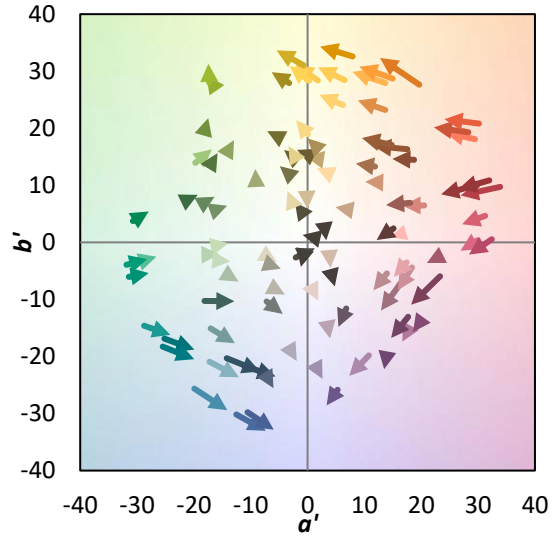


Color Vector Graphics



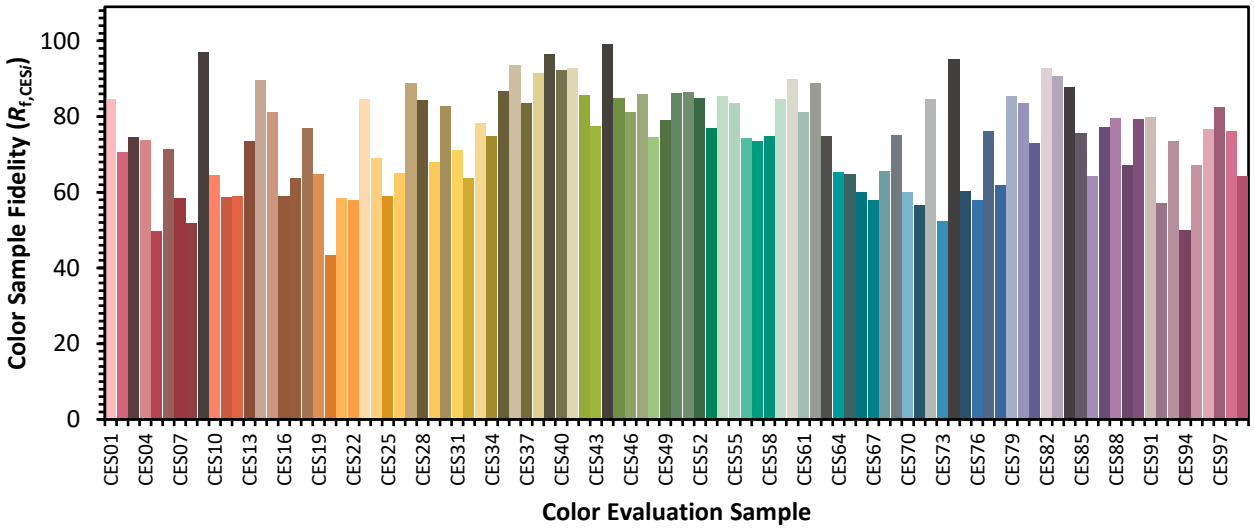




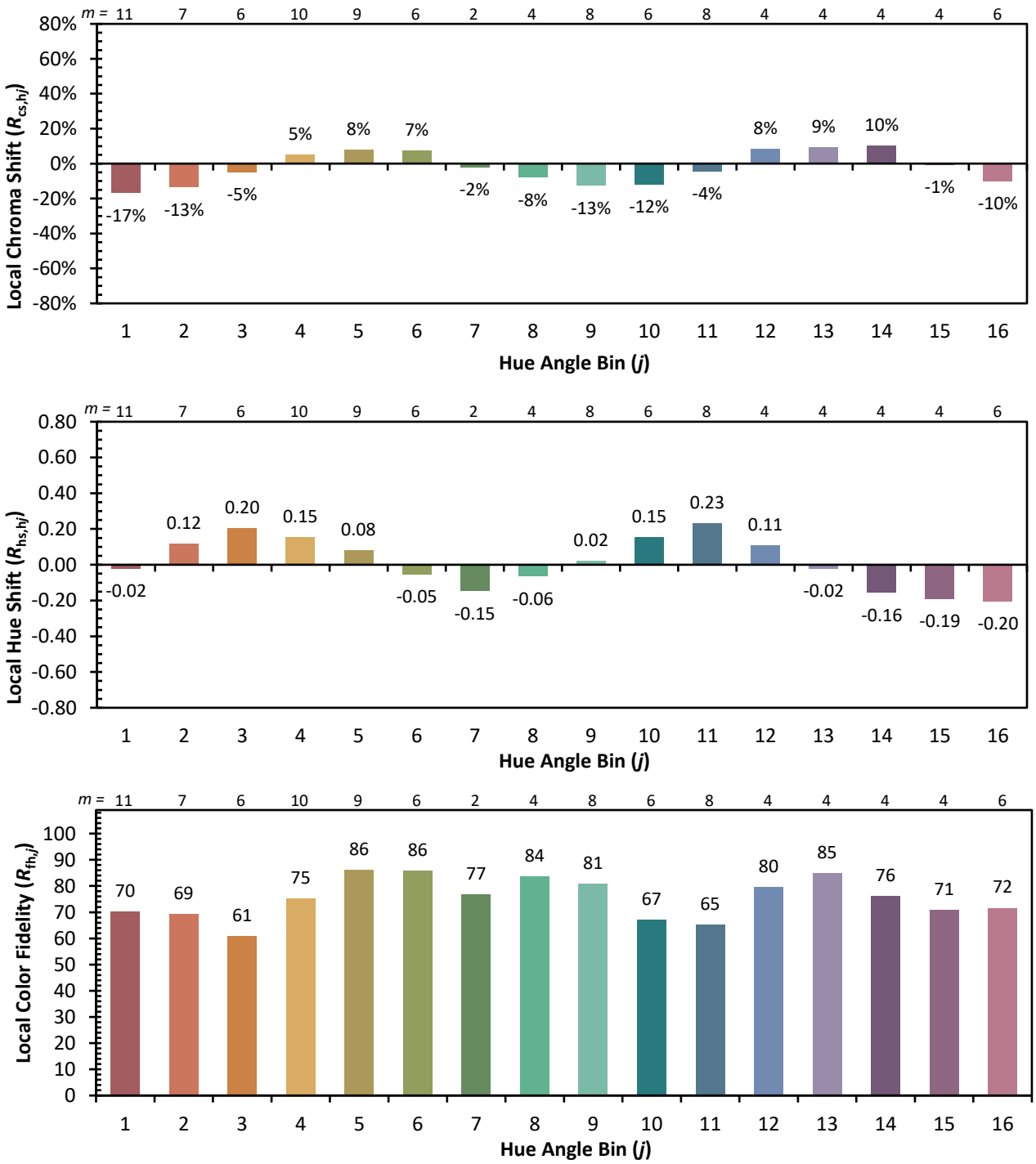


Individual Sample Fidelity Index ($R_{f,i}$)

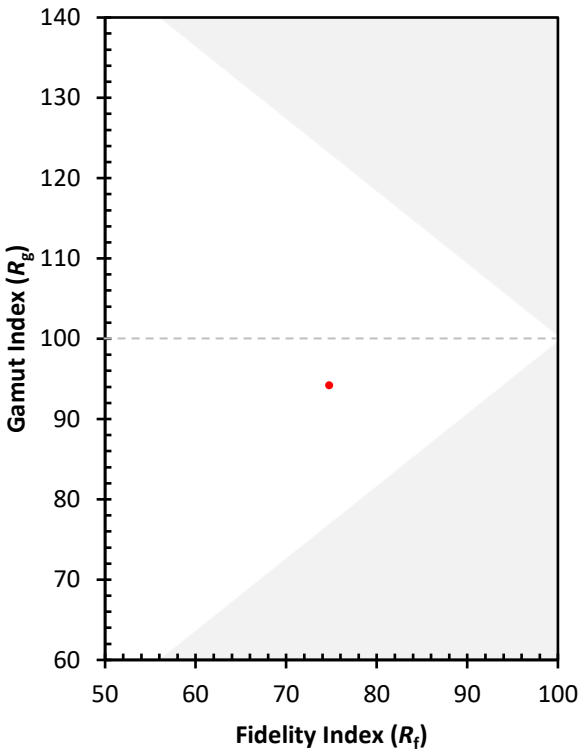
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 76
CES11 = 59	CES36 = 94	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 65	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 80
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 57
CES18 = 56	CES43 = 78	CES68 = 66	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 57	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	

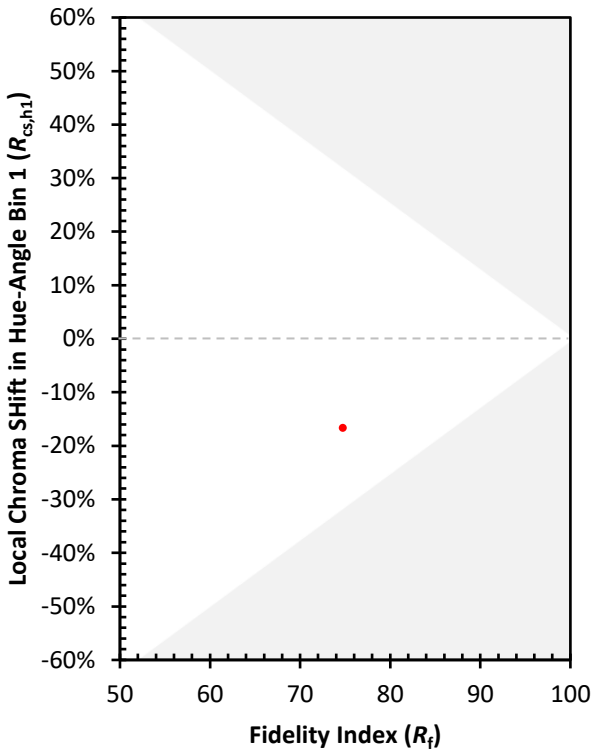


Color Rendition by Hue-Angle Bin



Measure Comparisons





(END OF REPORT)