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: P1460451

Luminaire Tested: PRV-PC1C-727-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1460451
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	6/10/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	LUMARK
Catalog Number:	PRV-PC1C-727-U-5WQ
Description:	PREVAIL DISCRETE LED 1 SQUARE AT 880MA 70CRI 2700K FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source:	(40) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16049.5 lumens
Efficiency:	N/A
Efficacy:	144.6 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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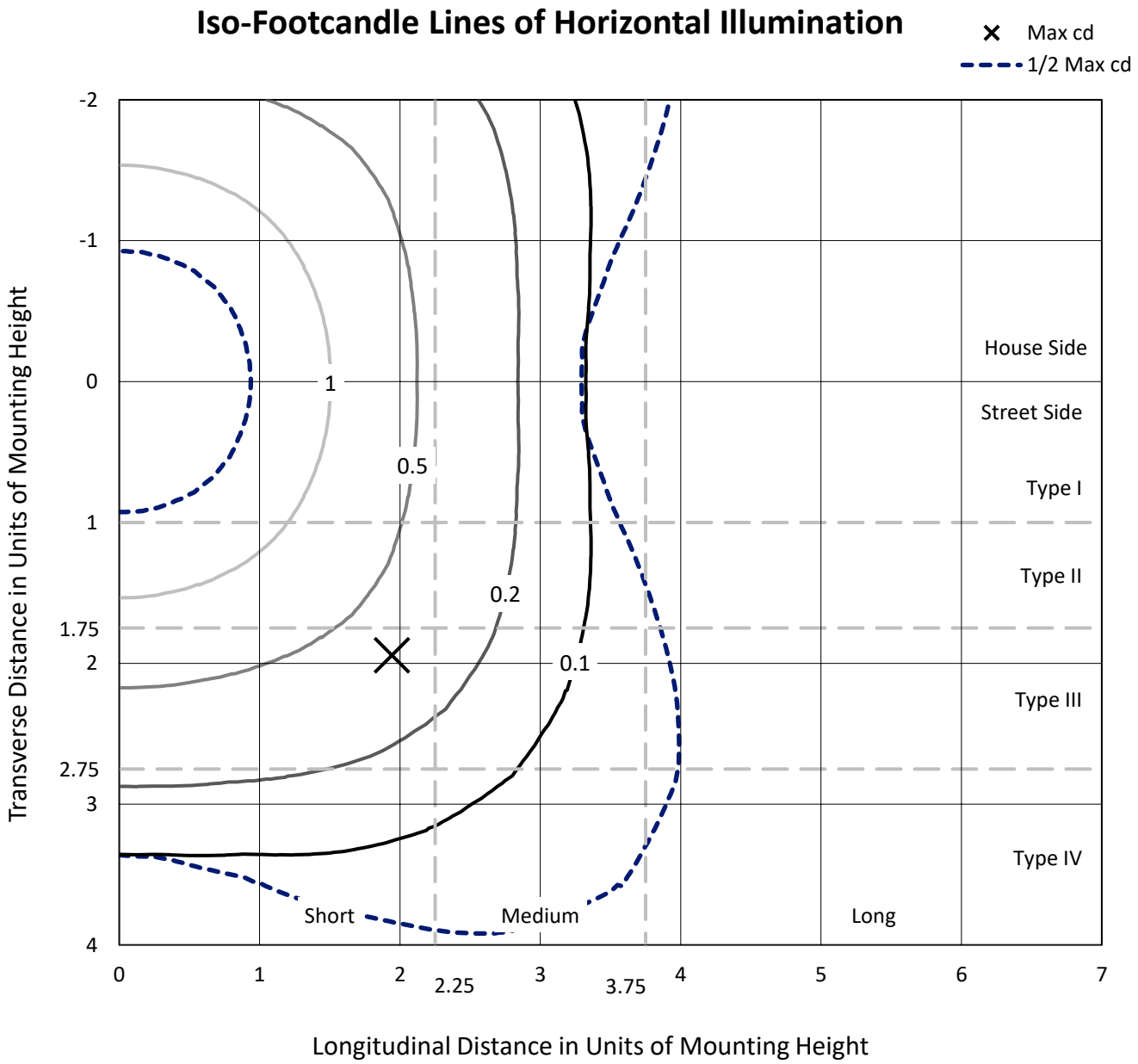
Scaled Data Report

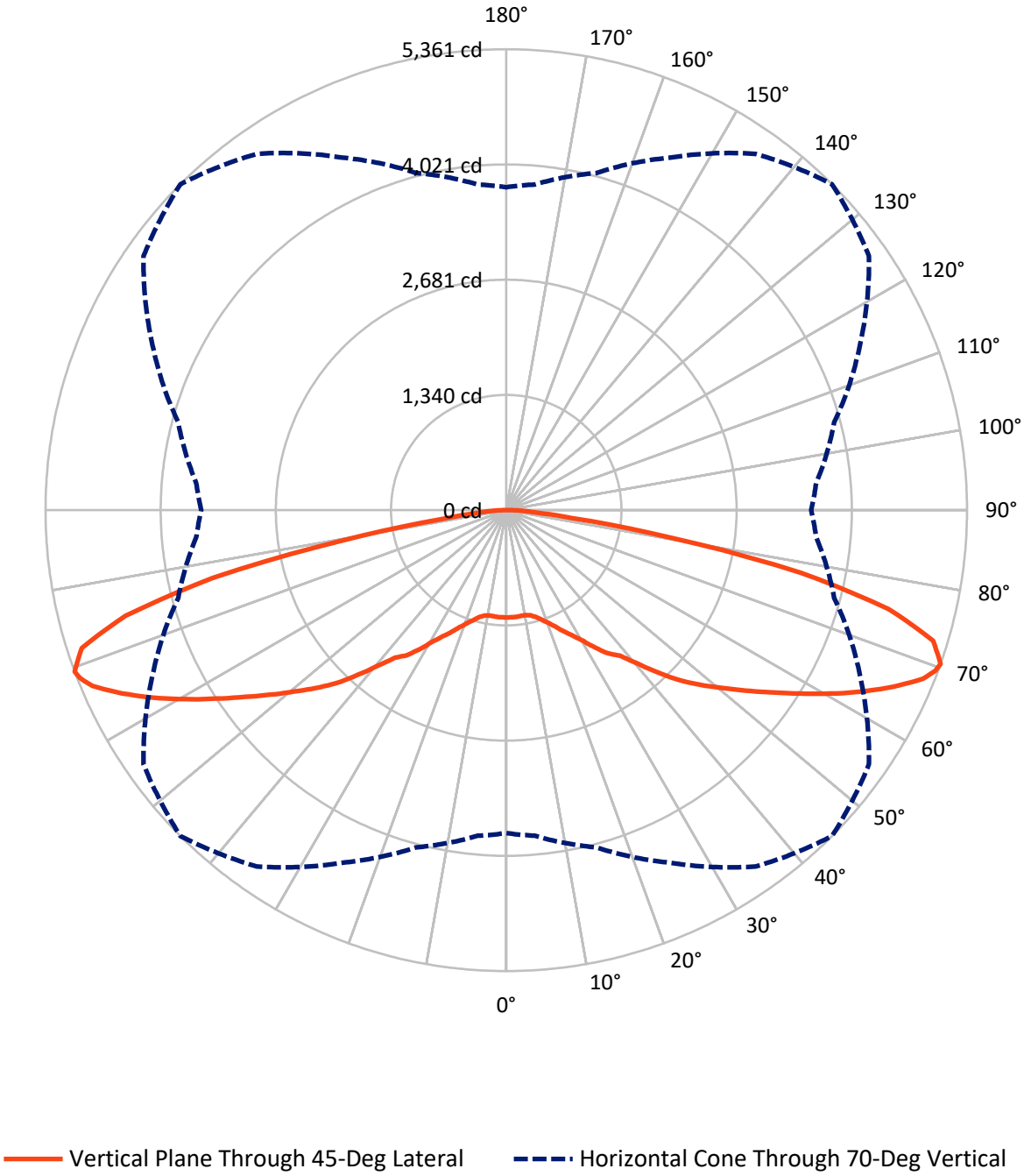
REPORT NUMBER: P1460451
CATALOG NUMBER: PRV-PC1C-727-U-5WQ



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - N/A

REPORT NUMBER: P1460451
CATALOG NUMBER: PRV-PC1C-727-U-5WQ

Luminous Intensity Polar Plot



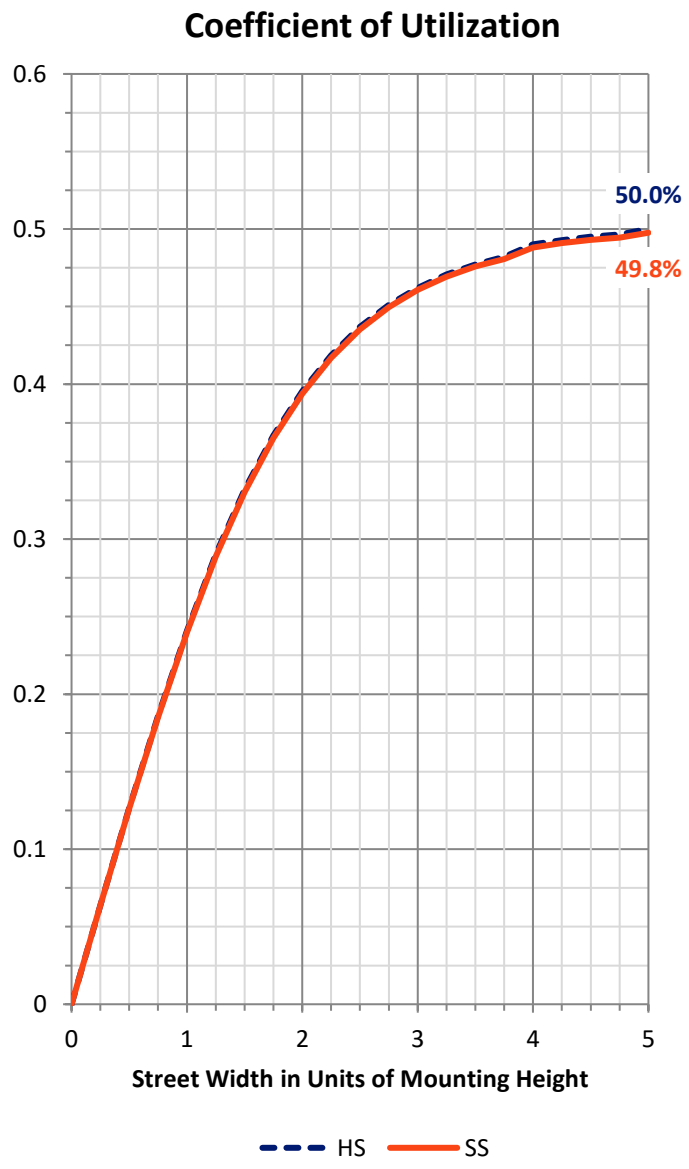
REPORT NUMBER: P1460451
CATALOG NUMBER: PRV-PC1C-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8024.8	0.0	8024.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8024.8	0.0	8024.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16049.5	0.0	16049.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	0.7
10°-20°	369.4	2.3
20°-30°	719.6	4.5
30°-40°	1276.3	8.0
40°-50°	2202.0	13.7
50°-60°	3325.1	20.7
60°-70°	4427.4	27.6
70°-80°	3211.3	20.0
80°-90°	400.1	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°	16049.5	100.0
0°-180°	16049.5	100.0



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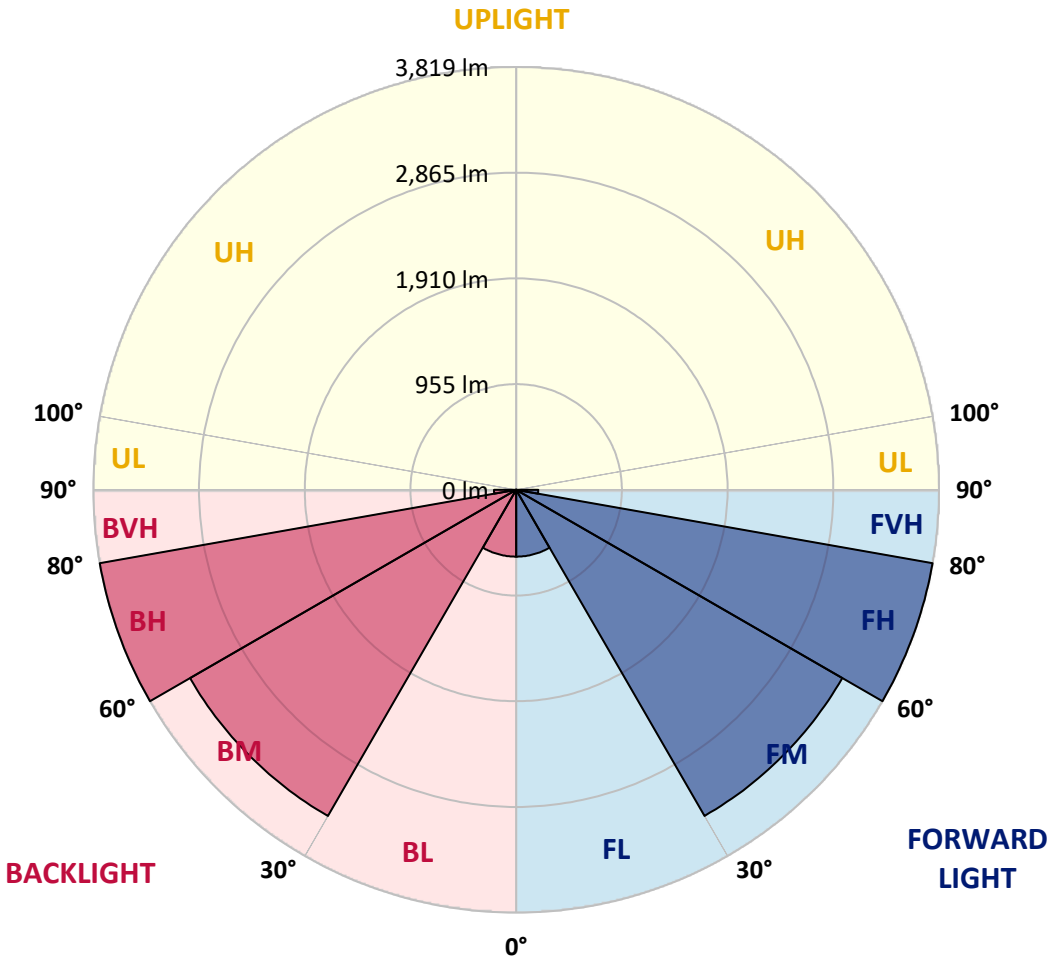
CATALOG NUMBER: PRV-PC1C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	603.7	3.8			
FM	(30°-60°)	3401.7	21.2			
FH	(60°-80°)	3819.3	23.8			G2/5000
FVH	(80°-90°)	200.0	1.2			G2/225
BL	(0°-30°)	603.7	3.8	B2/1000		
BM	(30°-60°)	3401.7	21.2	B3/5000		
BH	(60°-80°)	3819.3	23.8	B4/5000		G2/5000
BVH	(80°-90°)	200.0	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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Scaled Data Report

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1247.8	1247.8	1247.8	1247.8	1247.8	*1247.8*	1247.8	1247.8	1247.8	1247.8	1247.8
2.5°	1248.5	1248.5	1248.5	1248.5	1247.8	*1247.0*	1246.3	1246.3	1246.3	1245.6	1245.6
5°	1251.4	1250.7	1250.7	1249.9	1249.9	*1247.0*	1244.1	1241.9	1239.7	1237.6	1238.3
7.5°	1239.7	1241.2	1240.5	1241.9	1243.4	*1241.9*	1236.1	1229.6	1223.7	1218.6	1218.6
10°	1241.2	1240.5	1239.7	1240.5	1241.9	*1241.2*	1235.4	1226.6	1218.6	1212.8	1212.1
12.5°	1261.6	1261.6	1258.0	1255.0	1256.5	*1255.0*	1250.7	1240.5	1233.9	1228.1	1228.8
15°	1301.7	1300.2	1295.1	1290.7	1288.6	*1287.8*	1284.9	1277.6	1269.6	1263.1	1265.2
17.5°	1350.5	1350.5	1340.3	1338.1	1335.9	*1341.7*	1335.2	1325.0	1318.4	1314.8	1314.8
20°	1409.5	1410.9	1402.2	1397.8	1398.5	*1399.3*	1396.4	1385.4	1377.4	1373.8	1375.2
22.5°	1475.8	1472.8	1470.7	1468.5	1472.8	*1473.6*	1467.7	1454.6	1449.5	1442.2	1444.4
25°	1534.0	1534.0	1534.8	1546.4	1553.7	*1564.6*	1555.9	1535.5	1516.5	1509.3	1508.5
27.5°	1597.4	1595.9	1604.7	1621.4	1644.7	*1654.9*	1644.0	1618.5	1596.7	1585.7	1580.6
30°	1701.6	1700.8	1702.3	1723.4	1748.9	*1764.2*	1751.8	1730.7	1711.0	1700.8	1705.2
32.5°	1856.0	1847.2	1860.4	1882.2	1902.6	*1909.2*	1910.6	1886.6	1861.8	1853.1	1856.7
35°	1942.7	1940.5	1955.0	1981.3	2017.7	*2047.6*	2024.2	2003.1	1991.5	1979.1	1976.2
37.5°	2140.1	2139.3	2151.0	2148.8	2154.6	*2148.1*	2159.0	2167.7	2178.7	2169.2	2171.4
40°	2379.7	2373.9	2371.7	2367.3	2351.3	*2341.1*	2361.5	2376.8	2389.9	2408.1	2399.4
42.5°	2631.0	2621.5	2614.3	2601.1	2584.4	*2577.1*	2580.0	2607.7	2619.3	2621.5	2622.3
45°	2917.3	2899.8	2869.2	2845.9	2822.6	*2820.4*	2818.9	2824.8	2825.5	2825.5	2837.1
47.5°	3168.6	3166.4	3122.7	3082.6	3036.0	*3036.0*	3020.0	3017.8	3027.3	3039.6	3033.1
50°	3382.0	3374.7	3336.1	3301.9	3277.1	*3247.2*	3223.9	3205.7	3218.8	3229.8	3235.6
52.5°	3554.6	3553.9	3527.7	3514.6	3505.1	*3486.9*	3433.0	3400.2	3403.1	3416.2	3412.6
55°	3706.9	3717.1	3718.5	3735.3	3752.8	*3739.6*	3687.9	3638.4	3612.9	3594.0	3593.2
57.5°	3881.0	3887.5	3907.9	3961.8	4012.1	*4023.7*	3971.3	3897.7	3827.0	3780.4	3762.9
60°	4062.3	4063.8	4117.0	4202.2	4294.0	*4332.6*	4285.9	4165.0	4036.8	3935.6	3917.4
62.5°	4225.5	4221.8	4302.0	4430.9	4585.3	*4648.0*	4586.0	4409.0	4187.6	4046.3	4022.3
65°	4296.1	4305.6	4411.2	4609.4	4827.9	*4950.3*	4870.1	4575.8	4253.9	4063.1	4033.9
67.5°	4167.9	4194.9	4363.9	4674.9	5017.3	*5232.1*	5091.6	4644.3	4198.5	3950.9	3912.3
69°	3984.4	3990.9	4210.2	4617.4	5068.3	*5330.5*	5152.7	4608.6	4087.1	3772.4	3731.6
70°	*3755.7*	*3801.6*	*4060.9*	*4524.9*	*5059.5*	*5361.1*	*5152.0*	*4540.9*	*3951.6*	*3620.2*	*3548.1*
72.5°	3049.1	3065.9	3434.4	4144.6	4845.4	*5194.3*	4905.8	4166.5	3432.3	2939.1	2920.2
75°	2042.5	2123.3	2566.9	3425.0	4232.0	*4596.2*	4235.7	3420.6	2573.5	1958.0	1872.0
77.5°	1059.1	1105.0	1499.1	2231.8	3076.8	*3506.5*	3158.4	2393.5	1585.0	957.1	908.3
80°	520.8	545.6	692.7	1029.2	1593.8	*1932.5*	1770.0	1258.0	742.2	474.2	445.8
82.5°	292.8	302.3	384.6	479.3	664.3	*773.6*	724.0	613.3	372.9	281.2	273.2
85°	152.2	160.2	239.6	295.7	330.7	*334.3*	333.6	329.2	235.3	171.9	163.9
87.5°	72.1	79.4	123.1	162.4	171.2	*165.3*	175.5	152.2	111.4	77.9	68.5
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: SP2-2501-321-3

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-727-U-T4W

Data in this report applies to families of products including GKO-PB1E-727-U-T4W

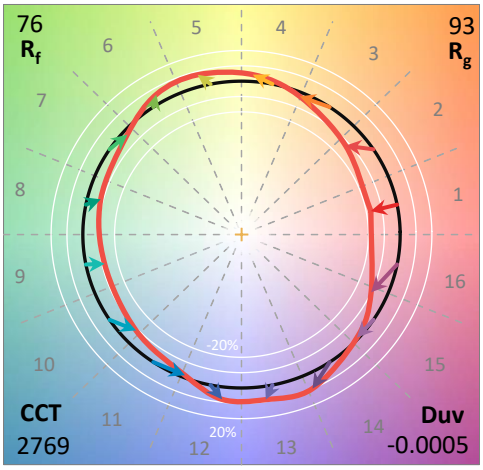
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-3
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-727-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	2769	CRI (Ra):		71.7			
CIE u':	0.2596	R1:		68.0	R9:		-34.5
CIE v':	0.5253	R2:		84.0	R10:		64.3
Duv:	-0.0005	R3:		94.6	R11:		60.9
CIE x:	0.4535	R4:		65.9	R12:		54.4
CIE y:	0.4078	R5:		67.3	R13:		71.2
CIE z:	0.1387	R6:		78.7	R14:		97.6
Peak Wavelength (nm):	597	R7:		75.2	R15:		59.5
Dominant Wavelength (nm):	584	R8:		39.8			
Purity:	58.54014						
Rf:	75.7						
Rg:	93.2						



Test Conditions

Stabilization Time:	36M
Operation Time:	1H 36M
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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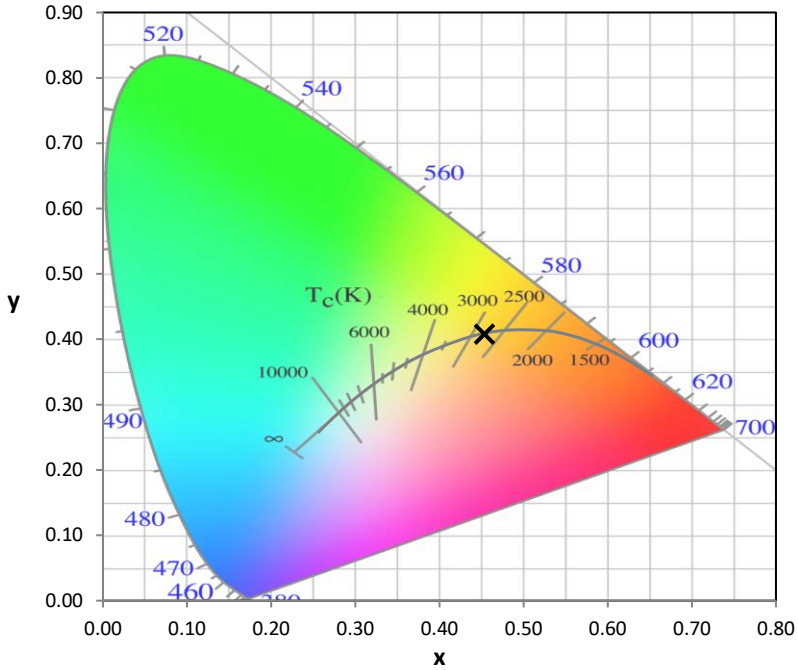
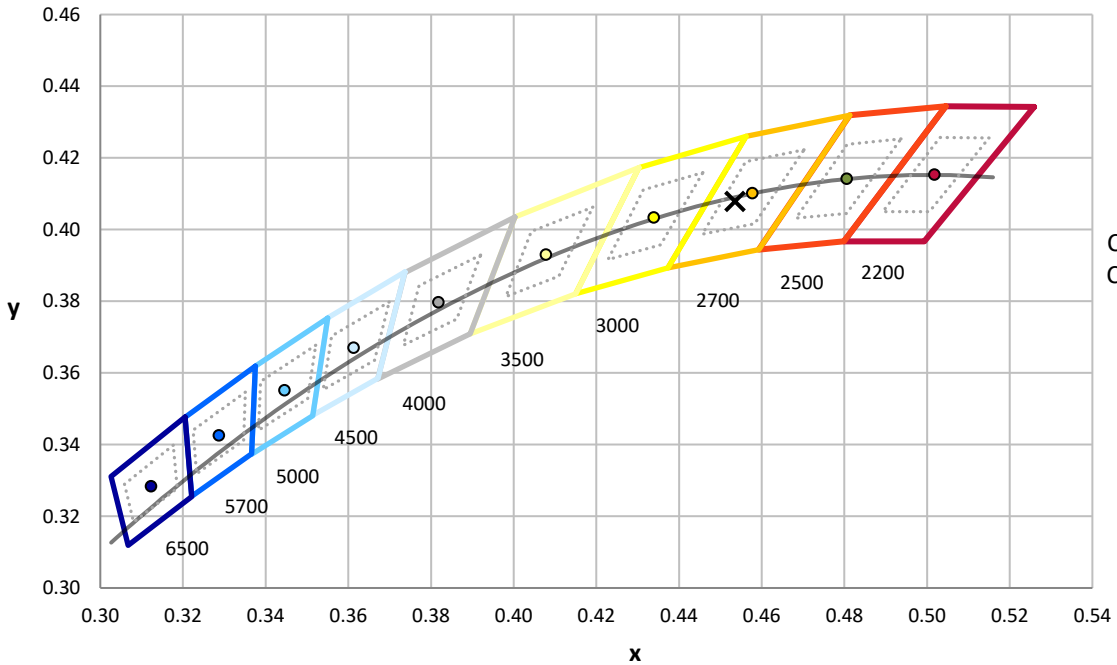
CIE 1931 Chromaticity Diagram



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

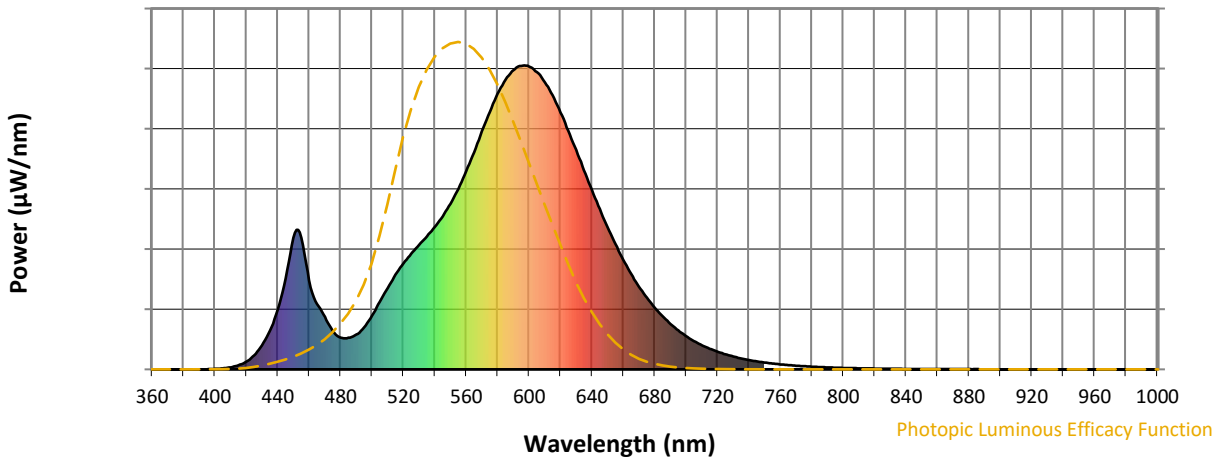


CCT = 2769K
CIE x = 0.4535
CIE y = 0.4078
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-3

Photopic Flux vs. Wavelength

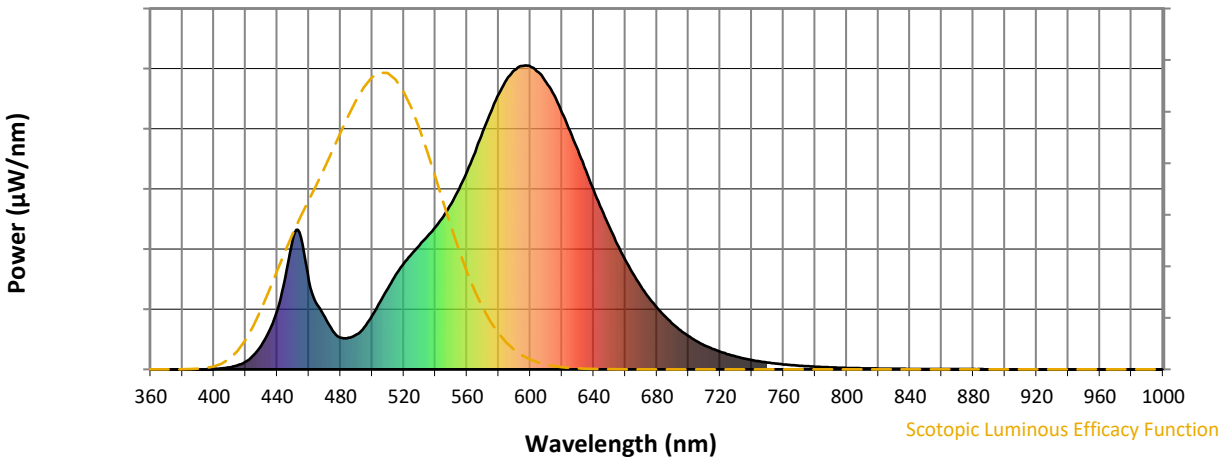


Photopic Lumens: NR

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.14**

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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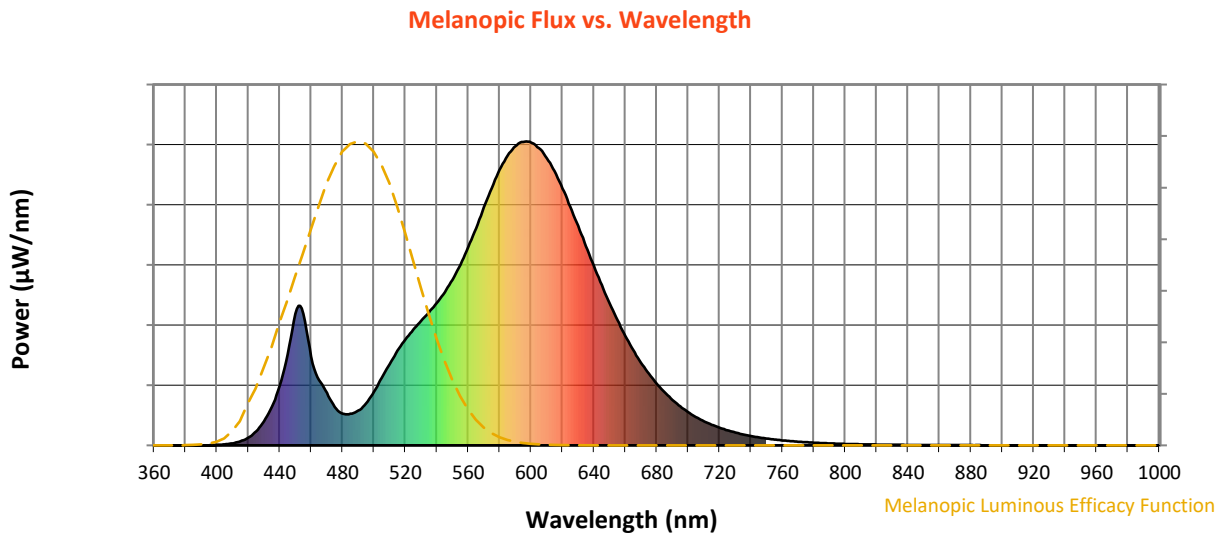

Melanopic Lumens: NR **M/P: 2.08**

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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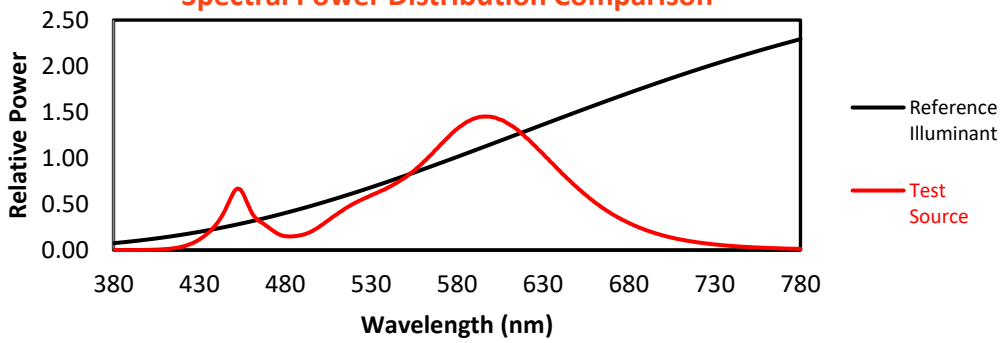
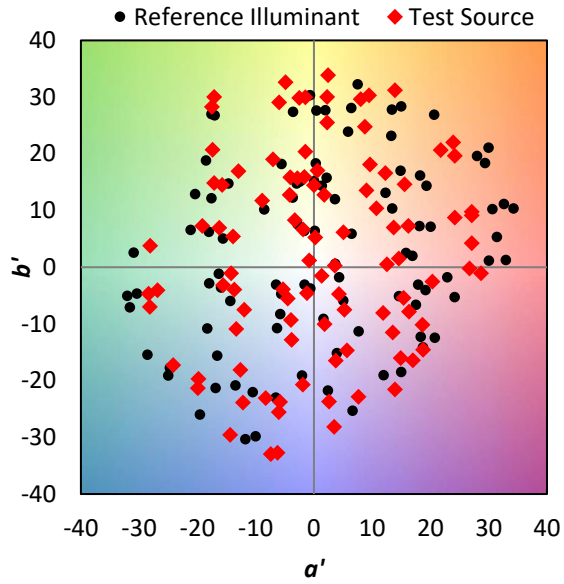
Summary

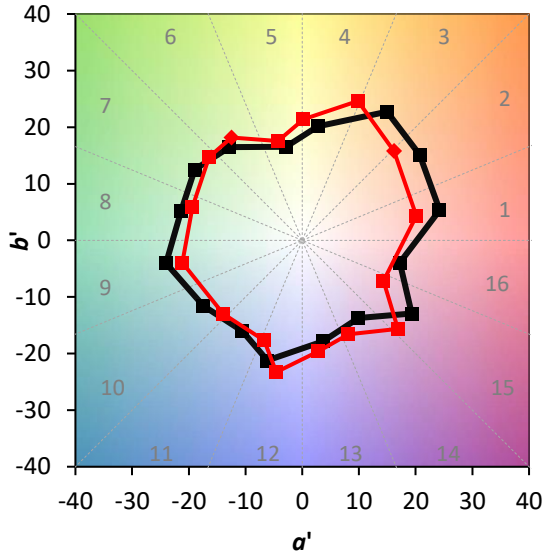
R_f = 75.7
R_g = 93.2
CIE R_a = 71.7
R_9 = -34.5

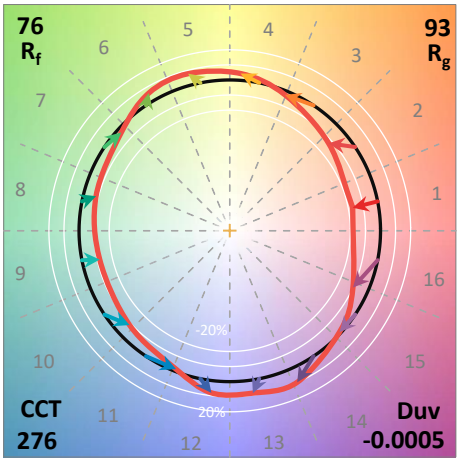
Spectral Power Distribution Comparison

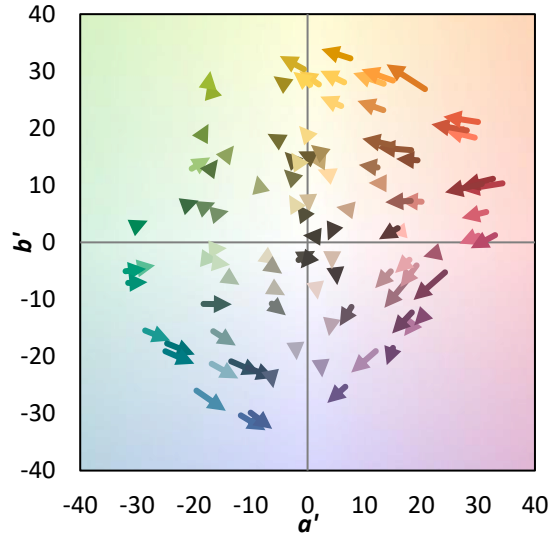


Color Vector Graphics



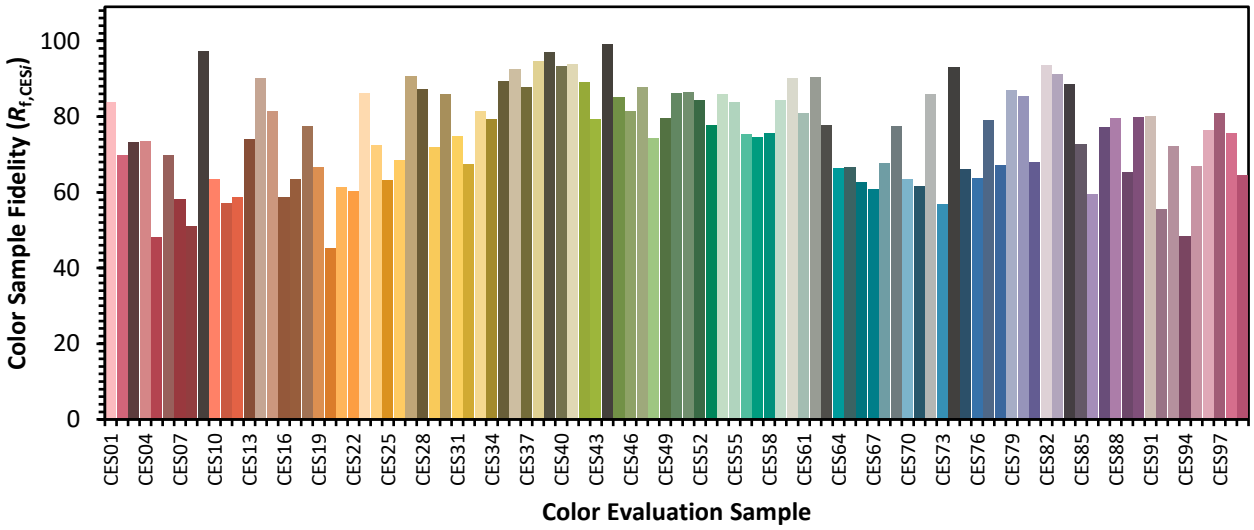




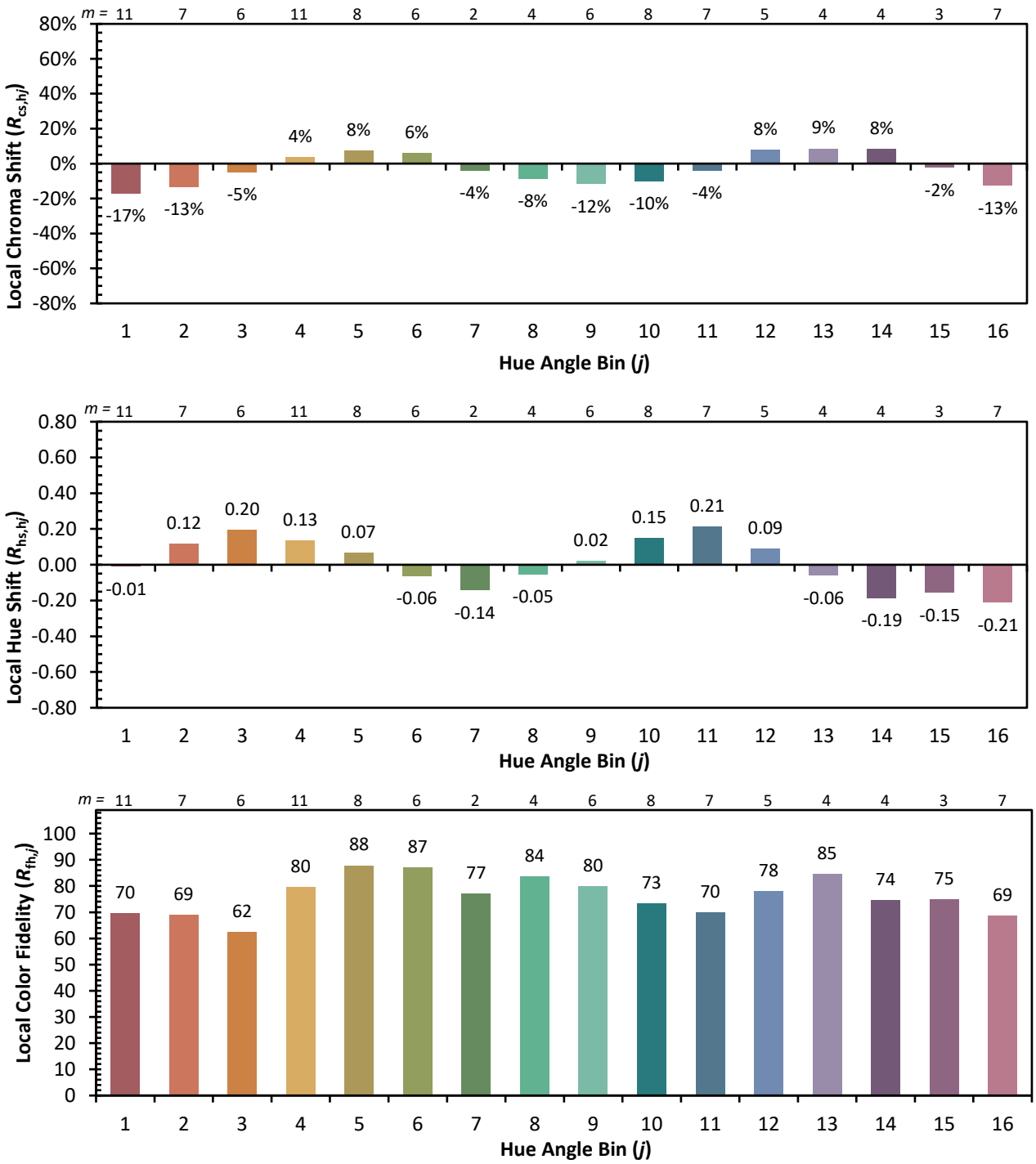


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 94
CES08 = 41	CES33 = 81	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 73
CES11 = 60	CES36 = 92	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 95	CES63 = 78	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 67	CES90 = 80
CES16 = 48	CES41 = 94	CES66 = 63	CES91 = 80
CES17 = 50	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 79	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 77	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 62	CES96 = 76
CES22 = 80	CES47 = 88	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 57	CES98 = 76
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



Color Rendition by Hue-Angle Bin



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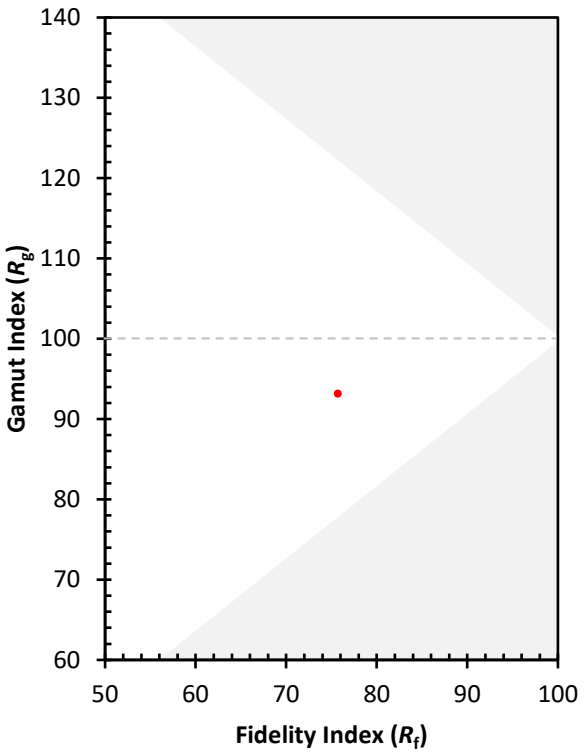
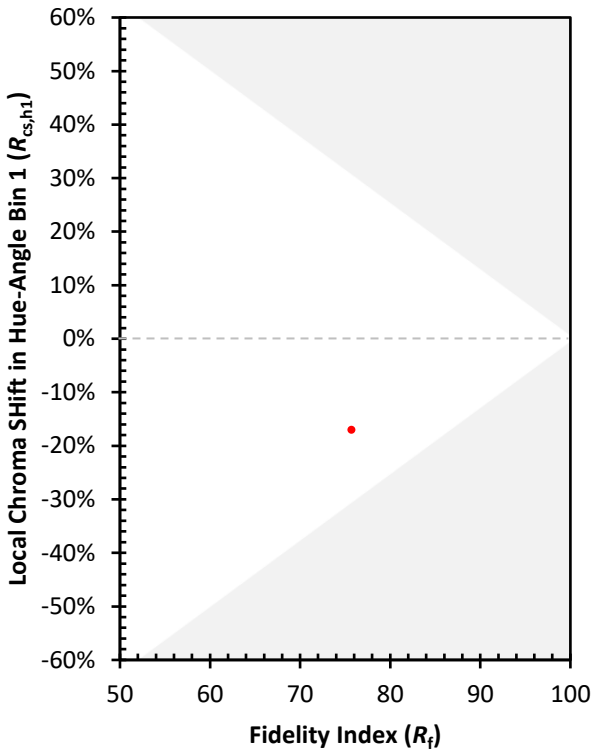
Measure Comparisons





(END OF REPORT)