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: P1460450

Luminaire Tested: PRV-PC1B-727-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1460450
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	6/10/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	LUMARK
Catalog Number:	PRV-PC1B-727-U-5WQ
Description:	PREVAIL DISCRETE LED 1 SQUARE AT 585MA 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:	11149.5 lumens
Efficiency:	N/A
Efficacy:	152.7 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):	73
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.73%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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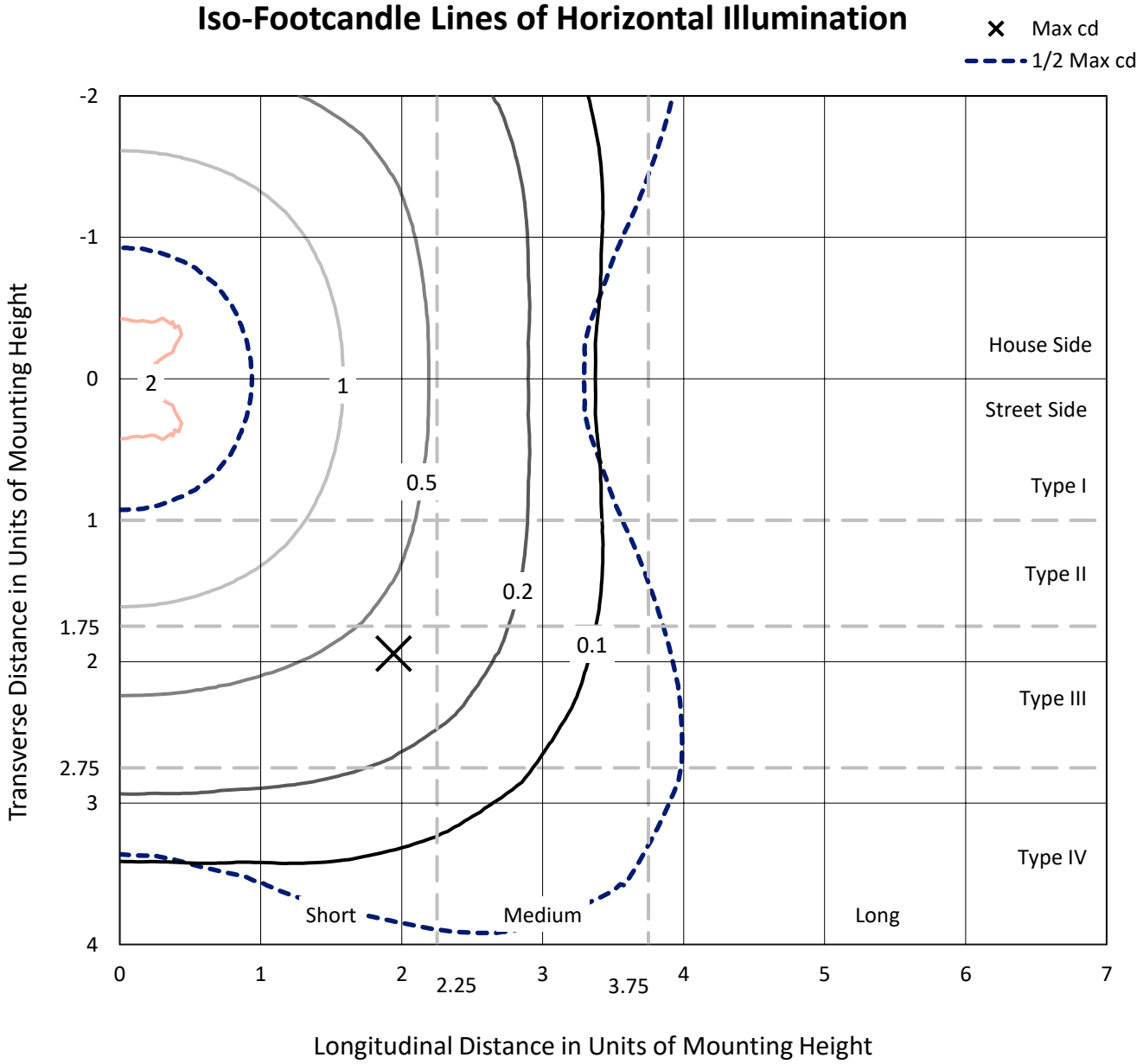
Scaled Data Report

REPORT NUMBER: P1460450
CATALOG NUMBER: PRV-PC1B-727-U-5WQ

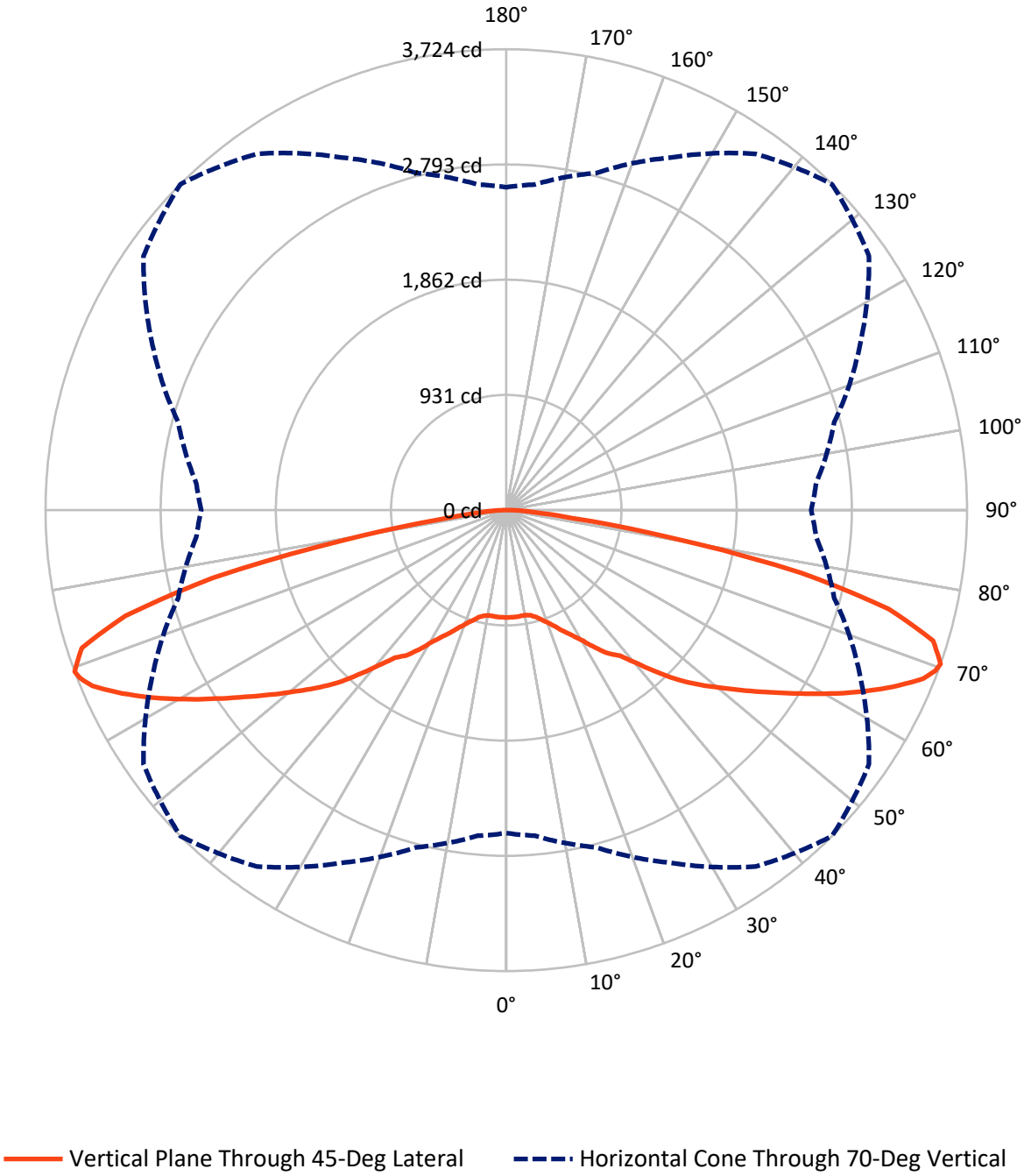
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 2.2 fc
Type V - Short - N/A

REPORT NUMBER: P1460450
CATALOG NUMBER: PRV-PC1B-727-U-5WQ

Luminous Intensity Polar Plot



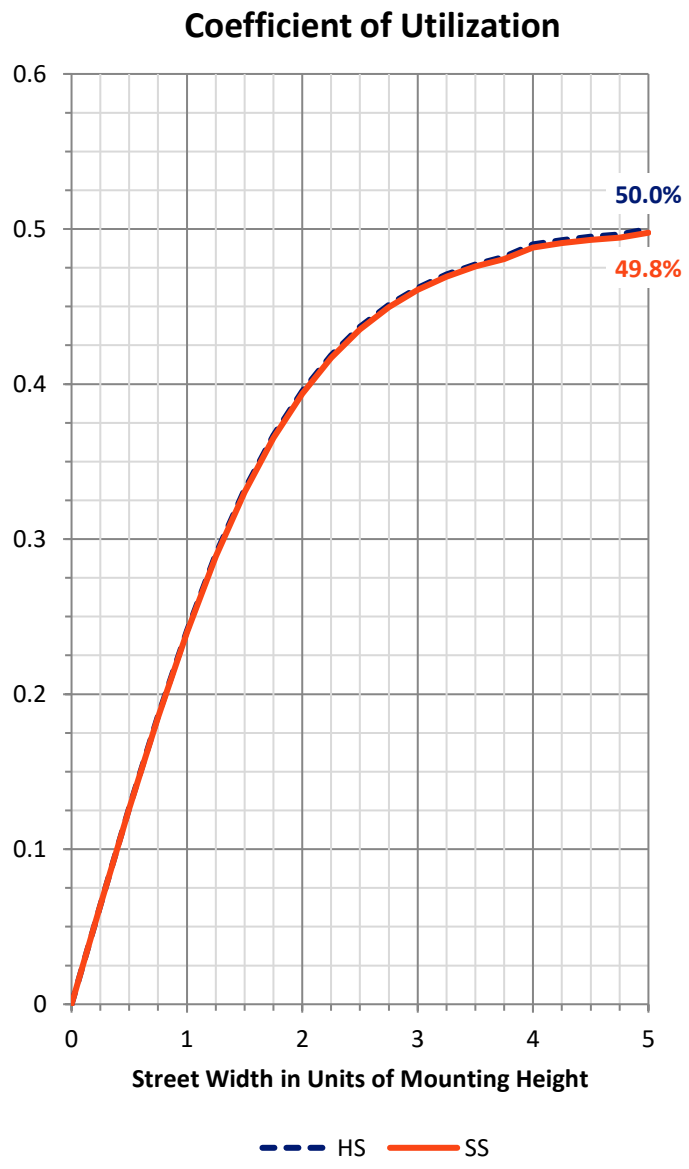
REPORT NUMBER: P1460450
CATALOG NUMBER: PRV-PC1B-727-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5574.8	0.0	5574.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5574.8	0.0	5574.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11149.5	0.0	11149.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	0.7
10°-20°	256.6	2.3
20°-30°	499.9	4.5
30°-40°	886.6	8.0
40°-50°	1529.7	13.7
50°-60°	2310.0	20.7
60°-70°	3075.7	27.6
70°-80°	2230.9	20.0
80°-90°	277.9	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°	11149.5	100.0
0°-180°	11149.5	100.0

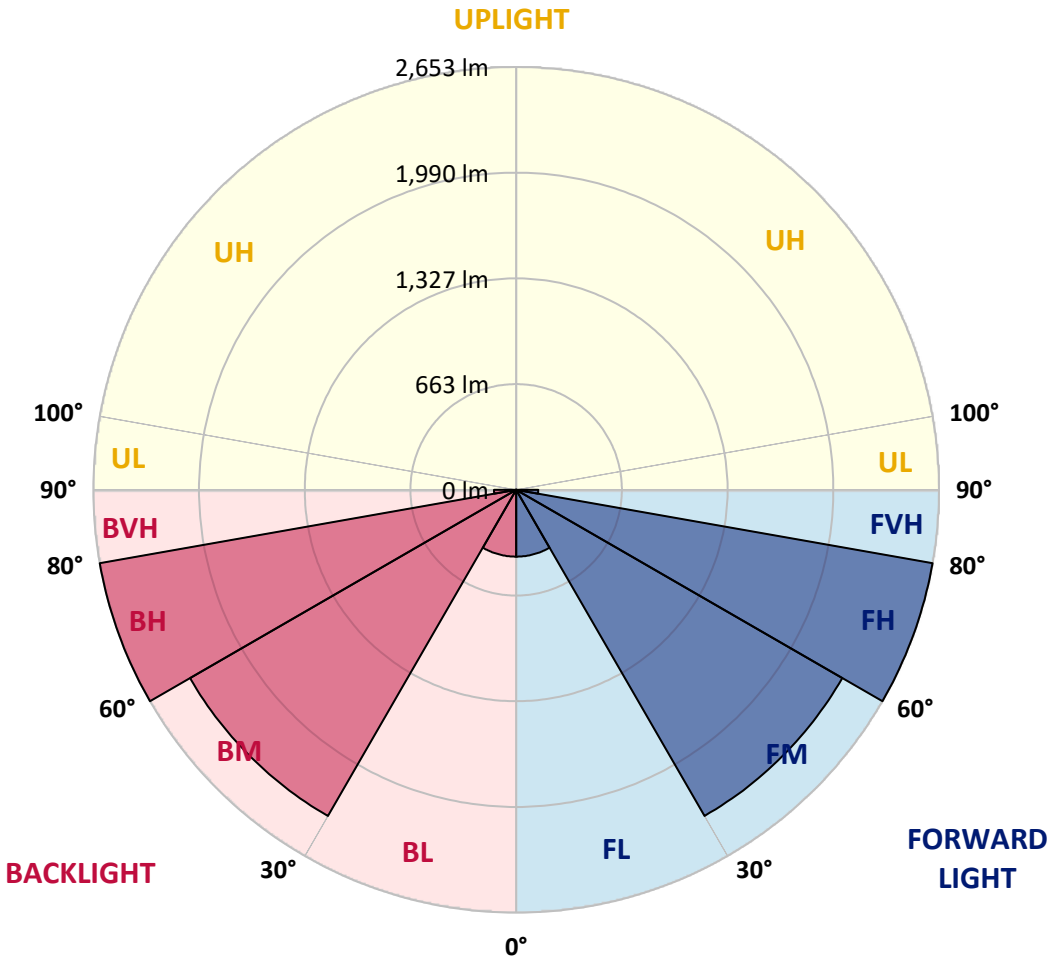


REPORT NUMBER: P1460450
CATALOG NUMBER: PRV-PC1B-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	419.4	3.8			
FM	(30°-60°)	2363.2	21.2			
FH	(60°-80°)	2653.3	23.8			G2/5000
FVH	(80°-90°)	139.0	1.2			G2/225
BL	(0°-30°)	419.4	3.8	B1/500		
BM	(30°-60°)	2363.2	21.2	B2/2500		
BH	(60°-80°)	2653.3	23.8	B4/5000		G2/5000
BVH	(80°-90°)	139.0	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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CATALOG NUMBER: PRV-PC1B-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	866.8	866.8	866.8	866.8	866.8	*866.8*	866.8	866.8	866.8	866.8	866.8
2.5°	867.3	867.3	867.3	867.3	866.8	*866.3*	865.8	865.8	865.8	865.3	865.3
5°	869.3	868.8	868.8	868.3	868.3	*866.3*	864.3	862.8	861.2	859.7	860.2
7.5°	861.2	862.3	861.8	862.8	863.8	*862.8*	858.7	854.2	850.1	846.6	846.6
10°	862.3	861.8	861.2	861.8	862.8	*862.3*	858.2	852.1	846.6	842.5	842.0
12.5°	876.4	876.4	873.9	871.9	872.9	*871.9*	868.8	861.8	857.2	853.1	853.7
15°	904.3	903.2	899.7	896.7	895.1	*894.6*	892.6	887.6	882.0	877.4	879.0
17.5°	938.2	938.2	931.1	929.6	928.0	*932.1*	927.5	920.4	915.9	913.4	913.4
20°	979.1	980.2	974.1	971.1	971.6	*972.1*	970.0	962.4	956.9	954.4	955.4
22.5°	1025.2	1023.2	1021.7	1020.1	1023.2	*1023.7*	1019.6	1010.5	1007.0	1001.9	1003.4
25°	1065.7	1065.7	1066.2	1074.3	1079.3	*1086.9*	1080.9	1066.7	1053.5	1048.5	1048.0
27.5°	1109.7	1108.7	1114.8	1126.4	1142.6	*1149.7*	1142.1	1124.4	1109.2	1101.6	1098.1
30°	1182.1	1181.6	1182.6	1197.2	1215.0	*1225.6*	1217.0	1202.3	1188.6	1181.6	1184.6
32.5°	1289.3	1283.3	1292.4	1307.6	1321.7	*1326.3*	1327.3	1310.6	1293.4	1287.3	1289.8
35°	1349.6	1348.0	1358.2	1376.4	1401.7	*1422.4*	1406.2	1391.6	1383.5	1374.9	1372.8
37.5°	1486.7	1486.2	1494.3	1492.8	1496.8	*1492.3*	1499.8	1505.9	1513.5	1506.9	1508.4
40°	1653.2	1649.1	1647.6	1644.6	1633.4	*1626.3*	1640.5	1651.1	1660.2	1672.9	1666.8
42.5°	1827.7	1821.2	1816.1	1807.0	1795.4	*1790.3*	1792.3	1811.5	1819.6	1821.2	1821.7
45°	2026.6	2014.5	1993.2	1977.0	1960.8	*1959.3*	1958.3	1962.3	1962.8	1962.8	1970.9
47.5°	2201.2	2199.7	2169.3	2141.5	2109.1	*2109.1*	2098.0	2096.4	2103.0	2111.6	2107.1
50°	2349.4	2344.4	2317.6	2293.8	2276.6	*2255.8*	2239.6	2227.0	2236.1	2243.7	2247.7
52.5°	2469.4	2468.9	2450.7	2441.5	2435.0	*2422.3*	2384.9	2362.1	2364.1	2373.2	2370.7
55°	2575.1	2582.2	2583.2	2594.9	2607.0	*2597.9*	2562.0	2527.6	2509.9	2496.7	2496.2
57.5°	2696.1	2700.6	2714.8	2752.2	2787.2	*2795.3*	2758.8	2707.7	2658.6	2626.2	2614.1
60°	2822.1	2823.1	2860.0	2919.2	2983.0	*3009.8*	2977.4	2893.4	2804.4	2734.0	2721.4
62.5°	2935.4	2932.9	2988.6	3078.1	3185.4	*3228.9*	3185.9	3062.9	2909.1	2810.9	2794.2
65°	2984.5	2991.1	3064.5	3202.1	3353.9	*3438.9*	3383.2	3178.8	2955.2	2822.6	2802.3
67.5°	2895.4	2914.2	3031.6	3247.6	3485.5	*3634.7*	3537.1	3226.4	2916.7	2744.6	2717.8
69°	2767.9	2772.5	2924.8	3207.7	3520.9	*3703.0*	3579.6	3201.6	2839.3	2620.7	2592.3
70°	*2609.0*	*2640.9*	*2821.1*	*3143.4*	*3514.8*	*3724.3*	*3579.1*	*3154.5*	*2745.2*	*2514.9*	*2464.8*
72.5°	2118.2	2129.8	2385.9	2879.3	3366.0	*3608.4*	3408.0	2894.4	2384.4	2041.8	2028.6
75°	1418.9	1475.0	1783.2	2379.3	2940.0	*3193.0*	2942.5	2376.3	1787.8	1360.2	1300.5
77.5°	735.8	767.6	1041.4	1550.4	2137.4	*2436.0*	2194.1	1662.8	1101.1	664.9	631.0
80°	361.8	379.0	481.2	715.0	1107.2	*1342.5*	1229.6	873.9	515.6	329.4	309.7
82.5°	203.4	210.0	267.2	333.0	461.5	*537.4*	503.0	426.1	259.1	195.3	189.8
85°	105.8	111.3	166.5	205.4	229.7	*232.3*	231.8	228.7	163.4	119.4	113.9
87.5°	50.1	55.2	85.5	112.8	118.9	*114.9*	122.0	105.8	77.4	54.1	47.6
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

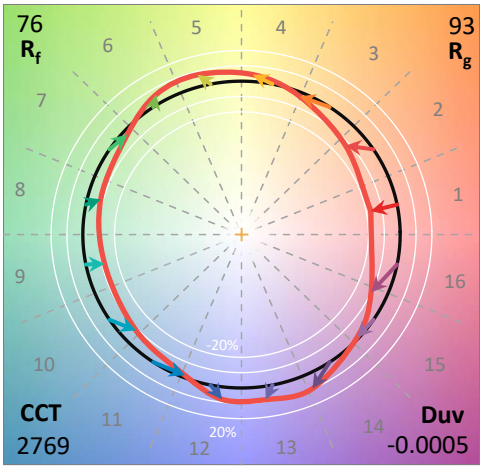
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

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						



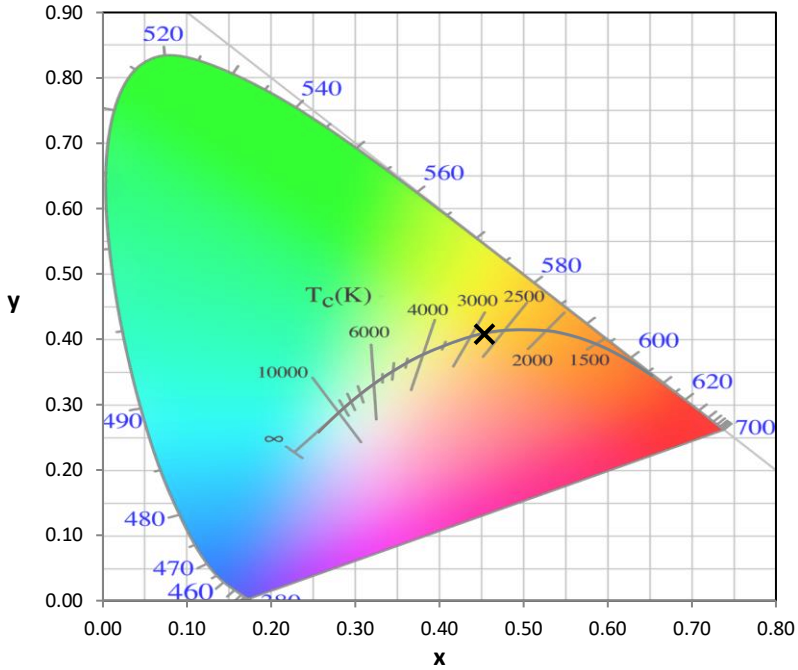
Test Conditions

Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.0

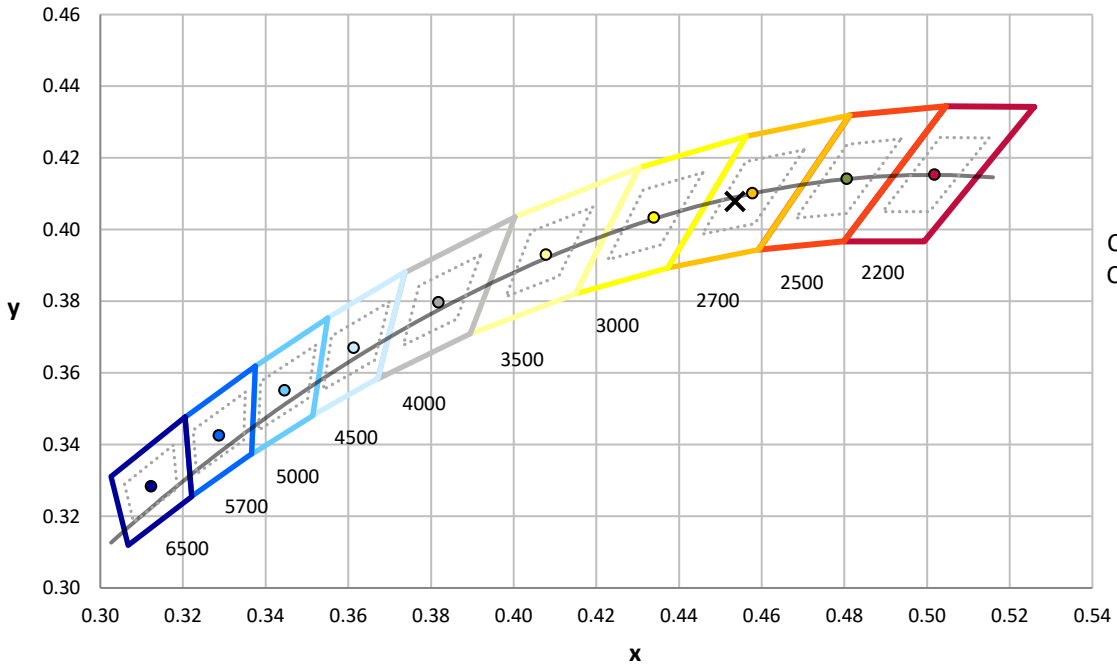
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

REPORT NUMBER: SP2-2501-321-3

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

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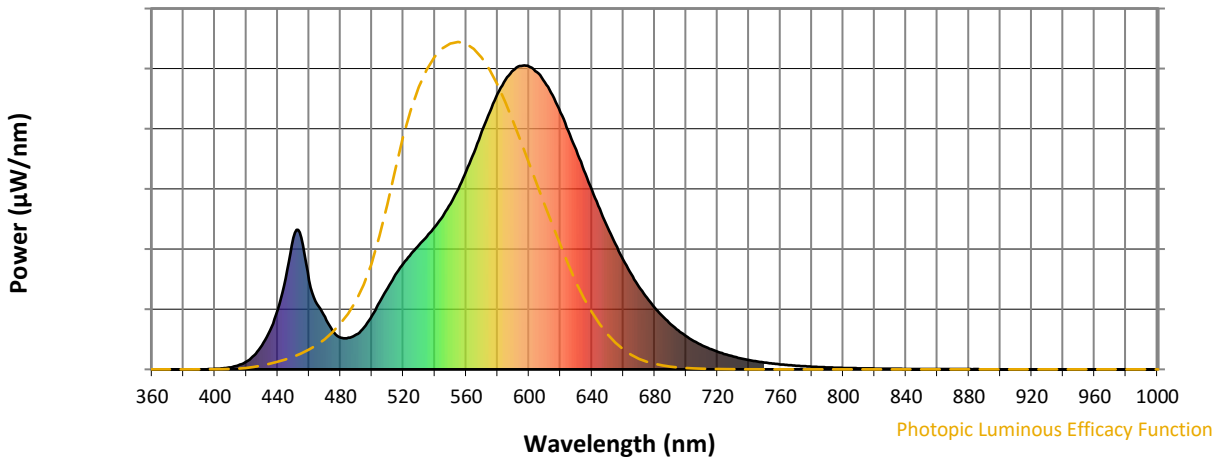
Photopic Flux vs. Wavelength

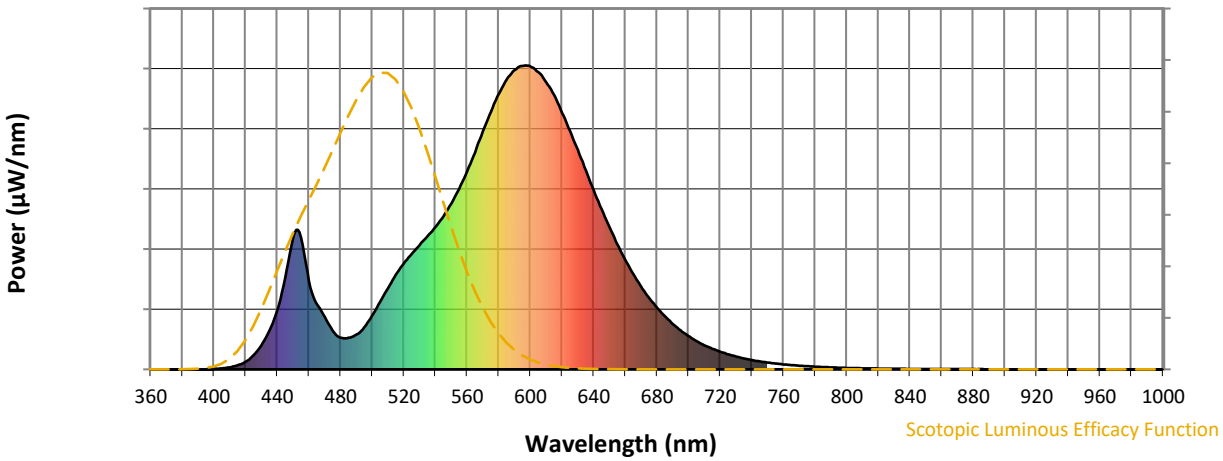


Photopic Lumens: NR

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	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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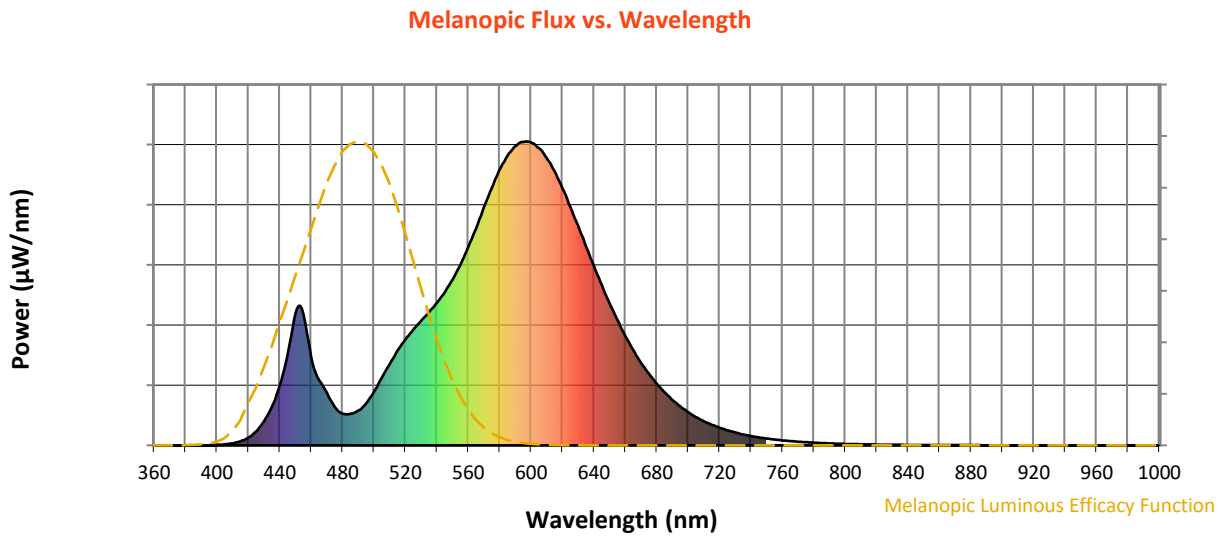

Melanopic Lumens: NR **M/P: 2.08**

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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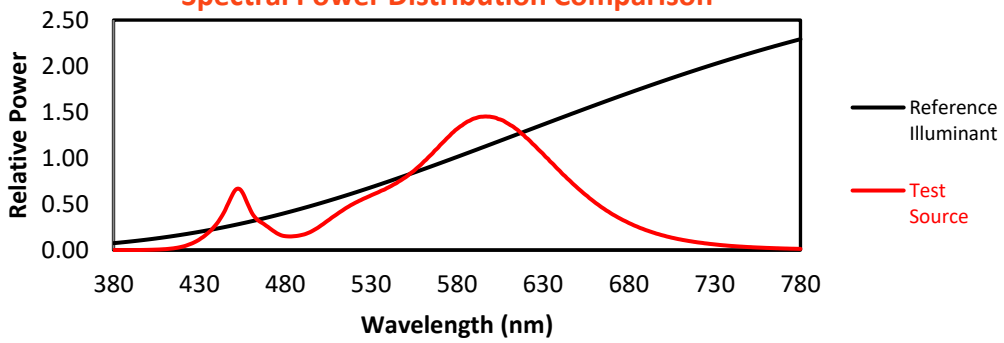
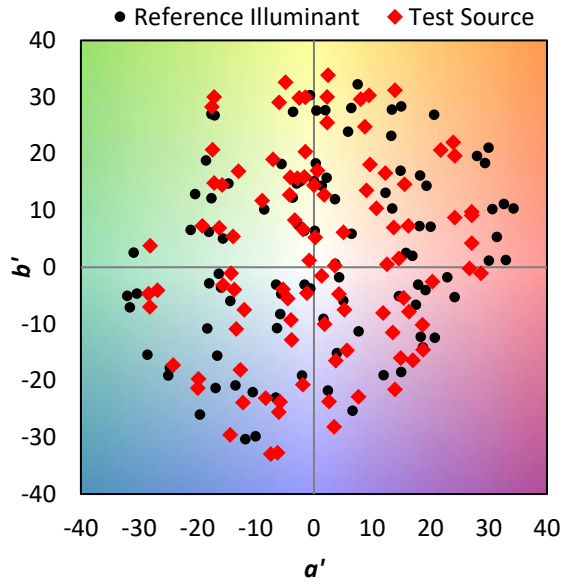
Summary

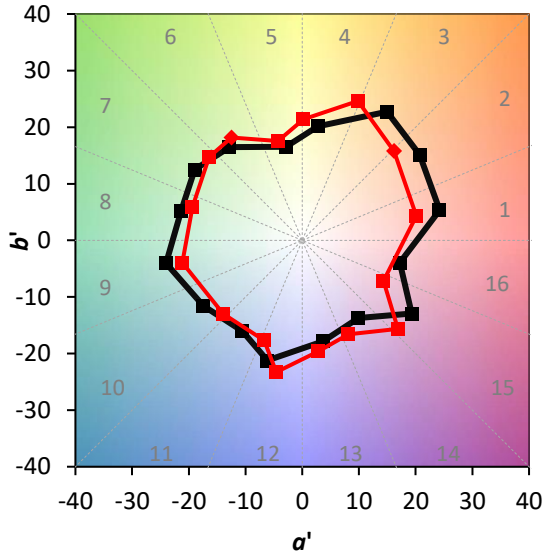
R_f = 75.7
R_g = 93.2
CIE R_a = 71.7
R_9 = -34.5

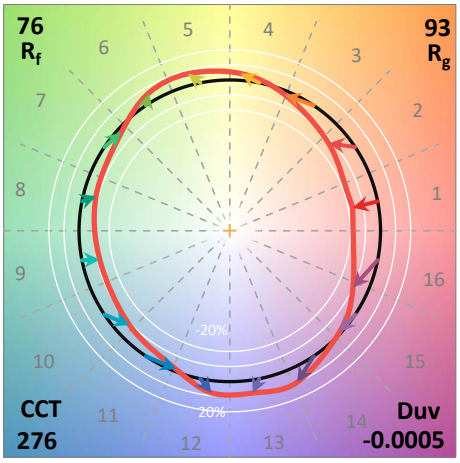
Spectral Power Distribution Comparison

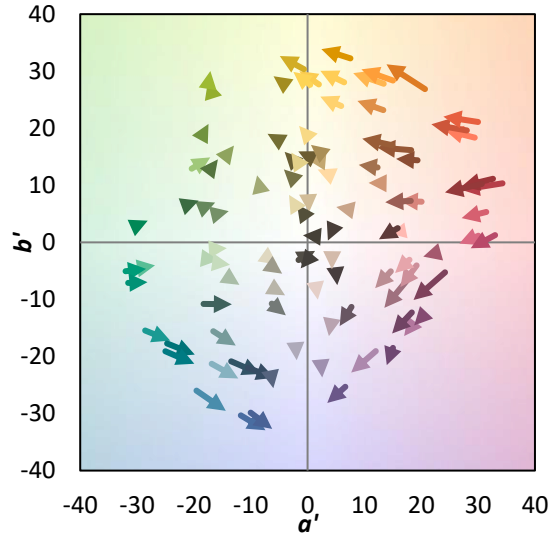


Color Vector Graphics



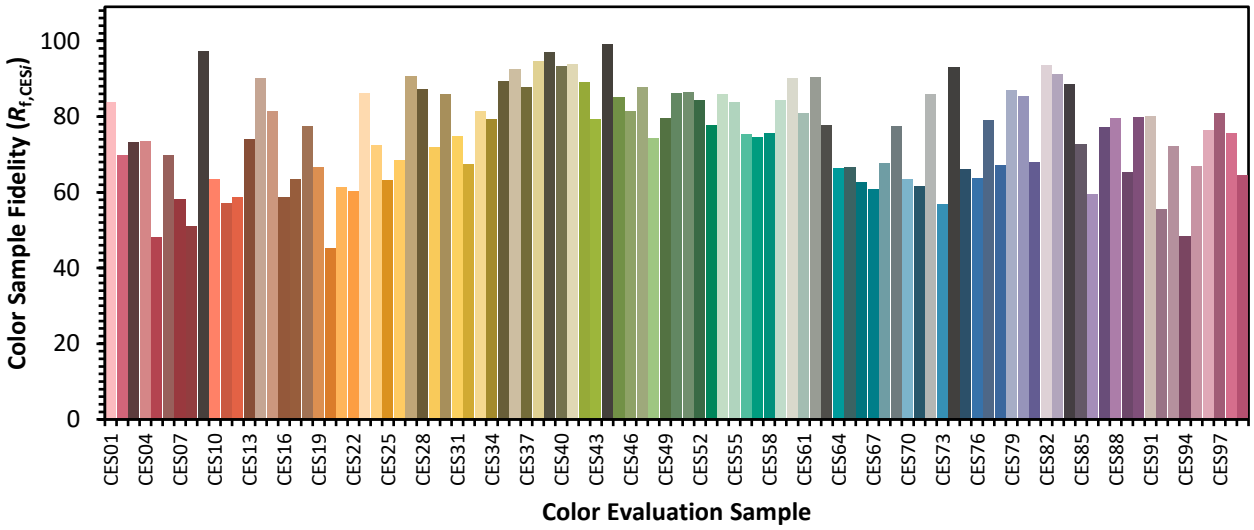




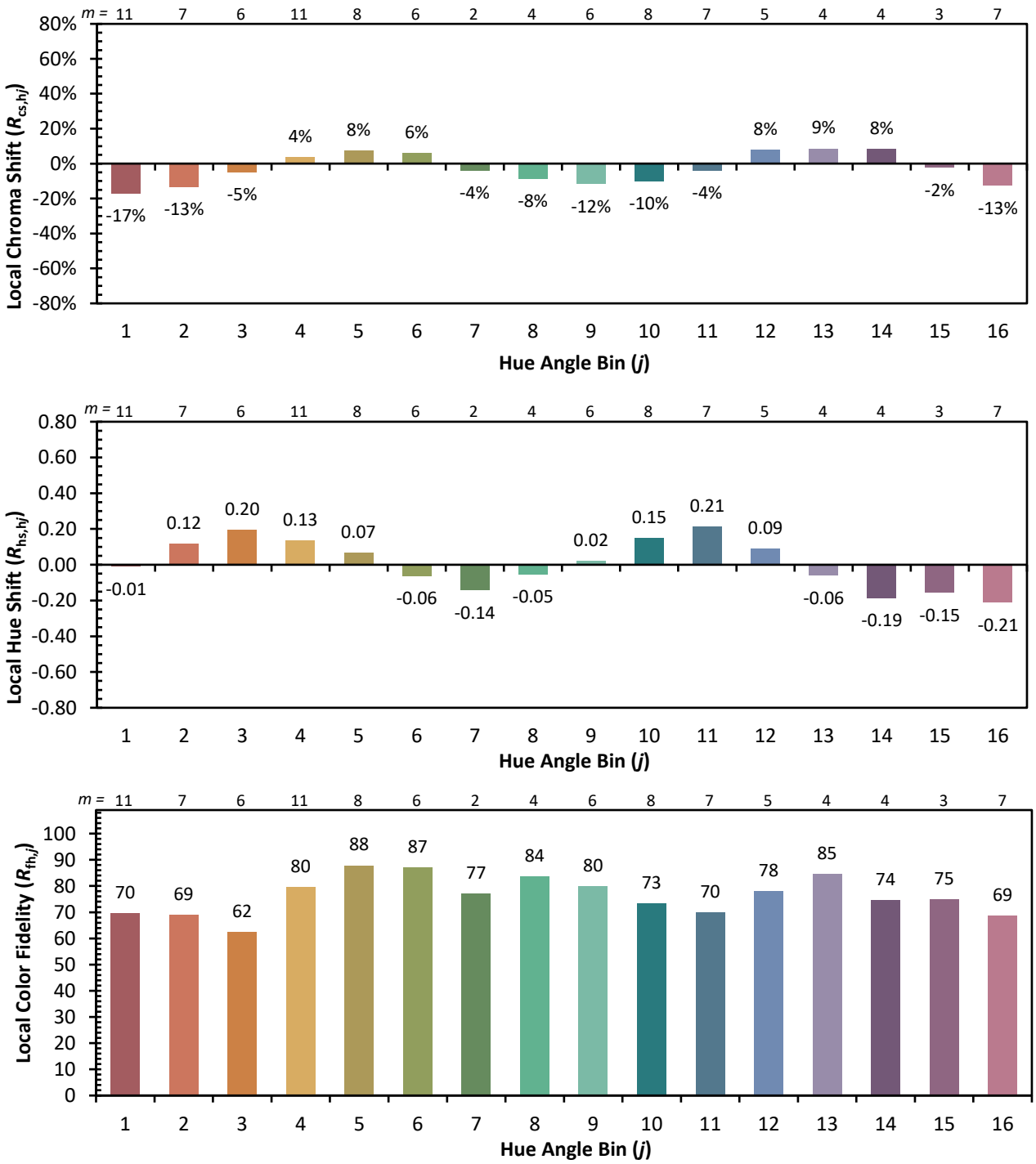


Individual Sample Fidelity Index ($R_{f,i}$)

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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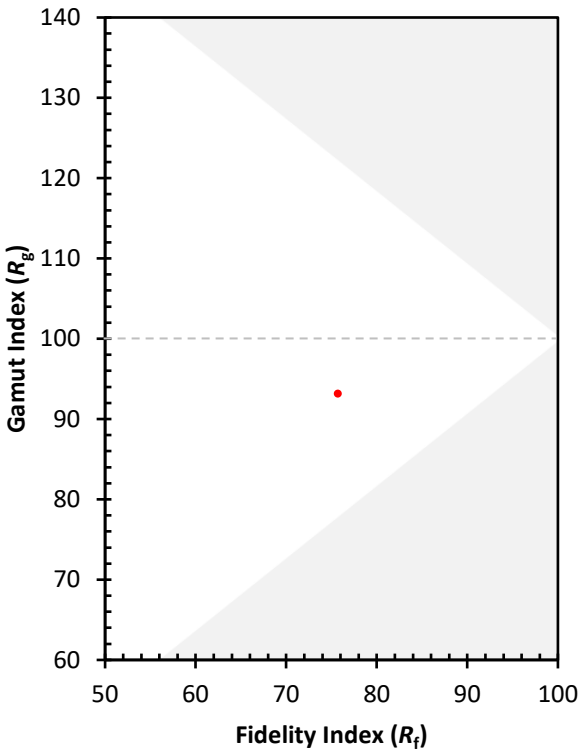
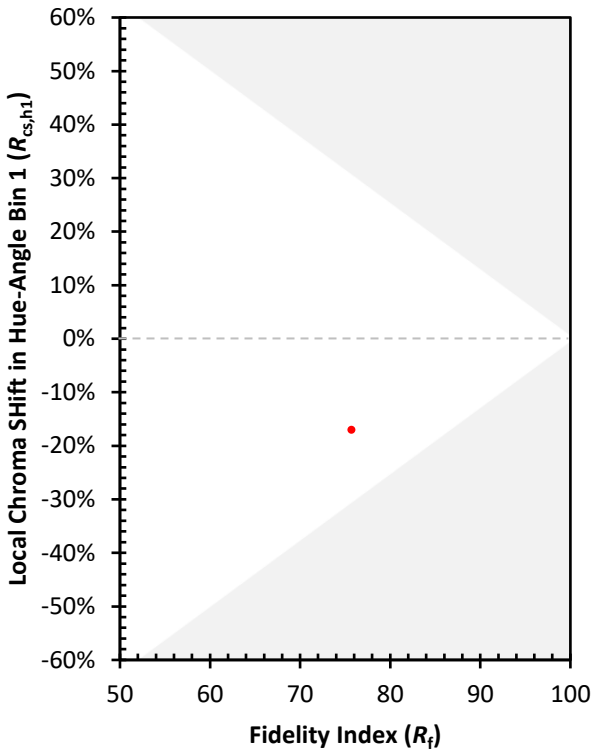
Measure Comparisons





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