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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P977142

Luminaire Tested: **GKO-PB1F-727-U-T1**

Issue Date: 03/19/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P977142
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	03/19/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB1F-727-U-T1
Description:	GEKKO WALL PACK 6500LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source:	(10) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6444.7 lumens
Efficiency:	N/A
Efficacy:	118.3 lumens/watt
Luminous Opening:	Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	54.5
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	5.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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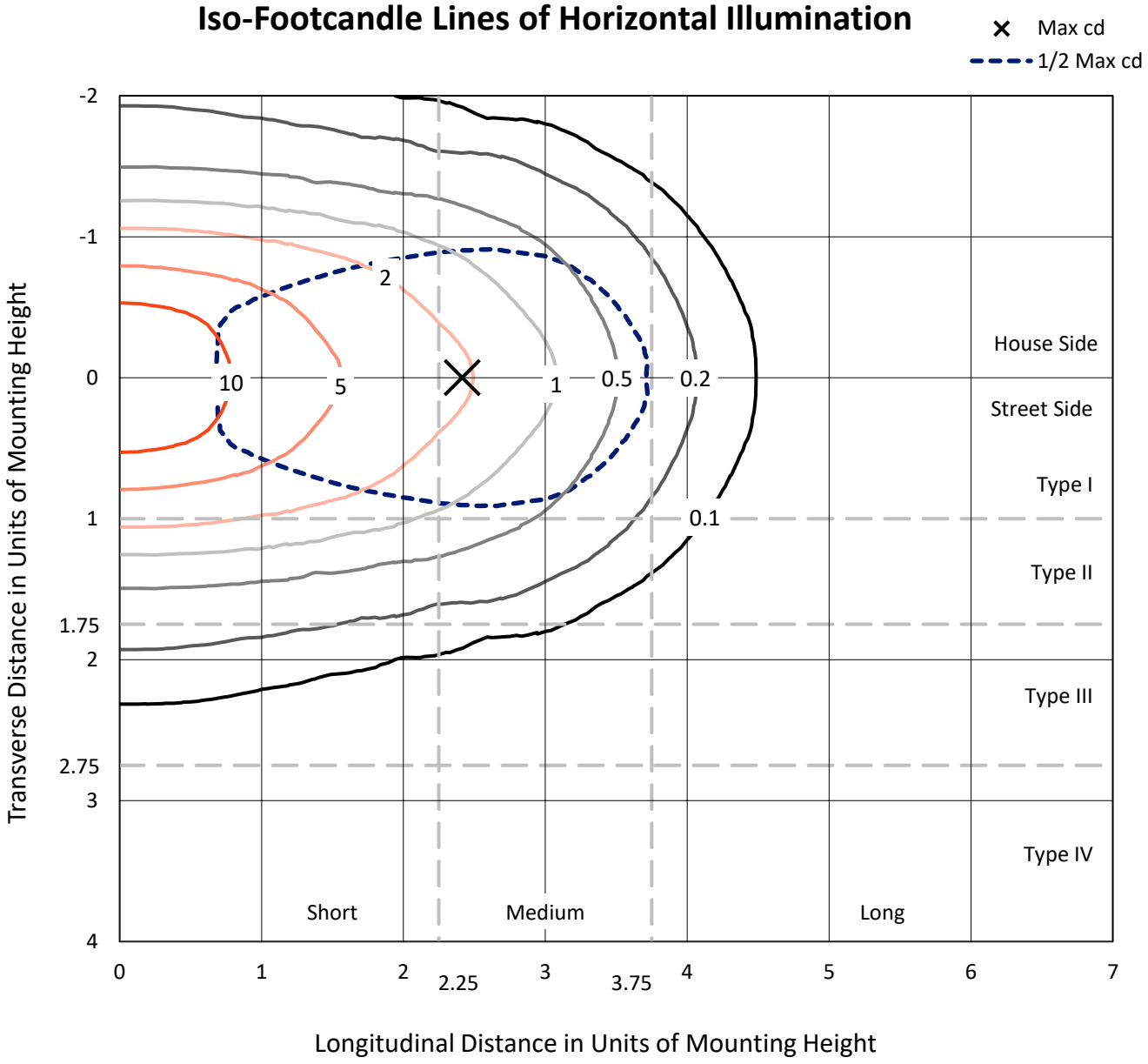
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 16 fc
Type I - Short - N/A

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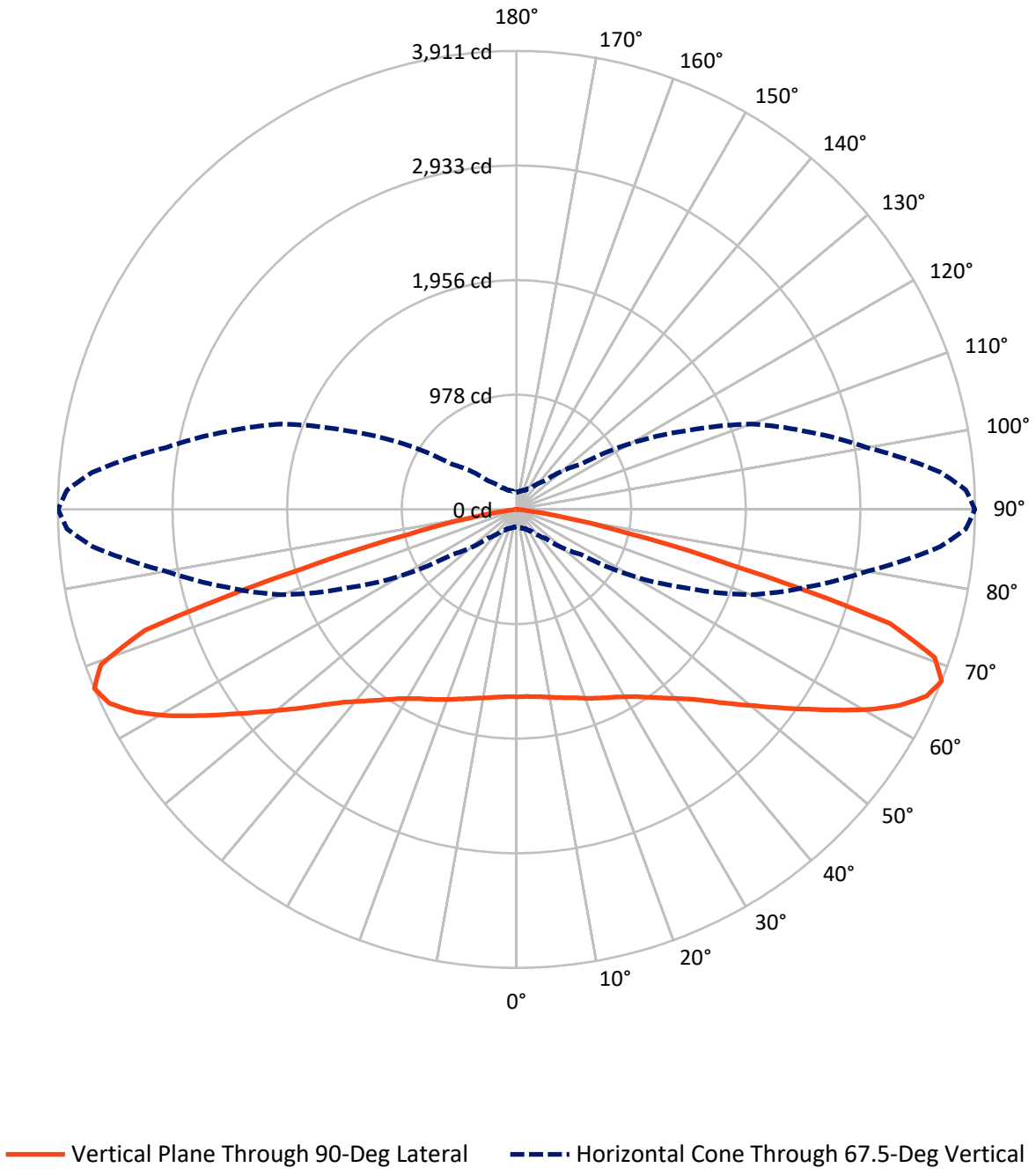
Luminous Intensity Polar Plot



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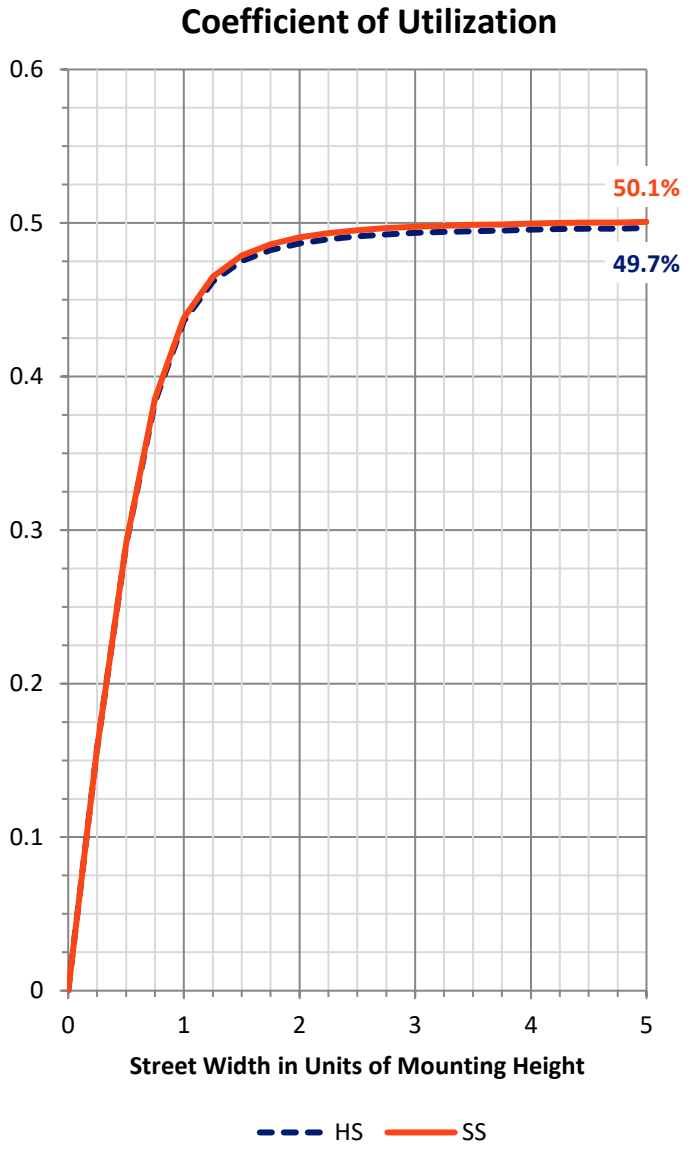
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3222.4	0.0	3222.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3222.4	0.0	3222.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6444.7	0.0	6444.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	2.4
10°-20°	462.2	7.2
20°-30°	768.5	11.9
30°-40°	1020.9	15.8
40°-50°	1151.0	17.9
50°-60°	1183.6	18.4
60°-70°	1118.5	17.4
70°-80°	547.5	8.5
80°-90°	39.2	0.6
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°	6444.7	100.0
0°-180°	6444.7	100.0



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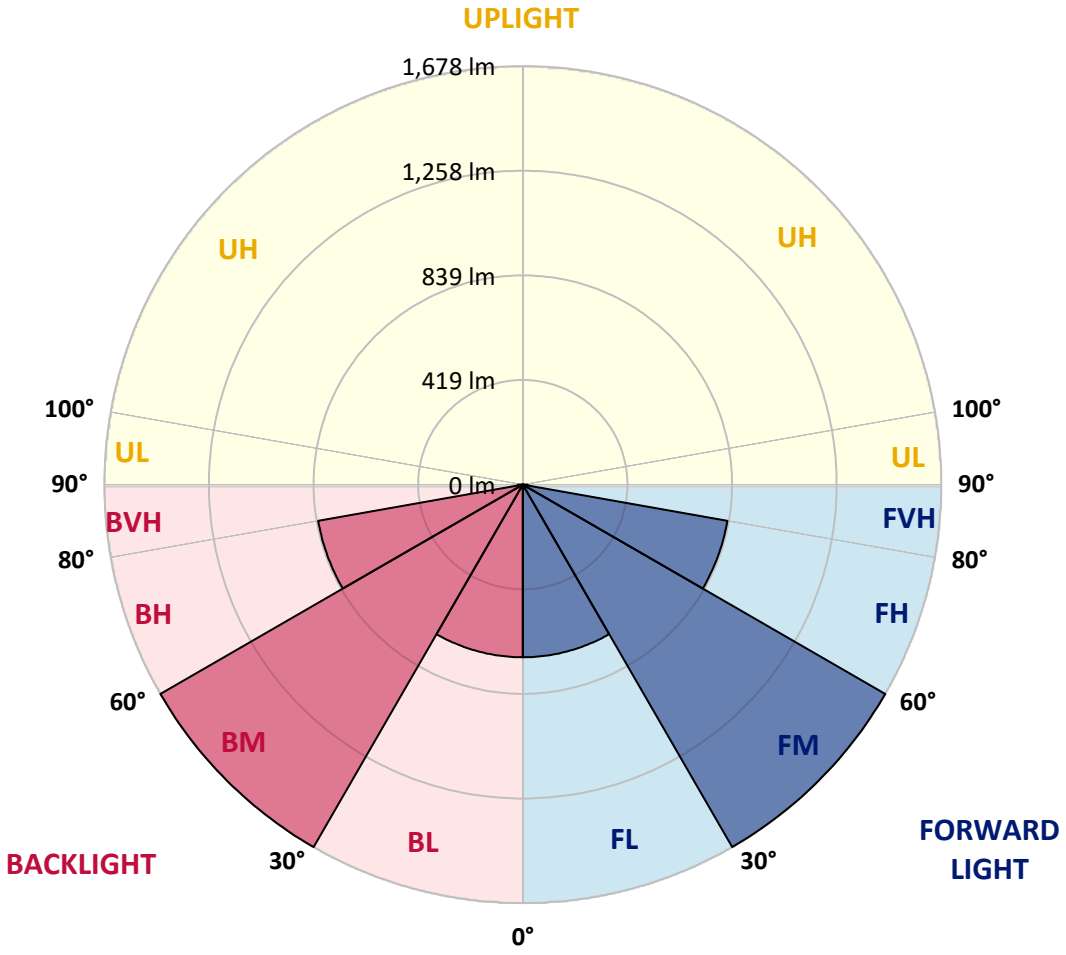
REPORT NUMBER: P977142
CATALOG NUMBER: GKO-PB1F-727-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	692.0	10.7			
FM	(30°-60°)	1677.7	26.0			
FH	(60°-80°)	833.0	12.9			G1/1800
FVH	(80°-90°)	19.6	0.3			G1/100
BL	(0°-30°)	692.0	10.7	B2/1000		
BM	(30°-60°)	1677.7	26.0	B2/2500		
BH	(60°-80°)	833.0	12.9	B2/1000		G2/1000
BVH	(80°-90°)	19.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2	1599.2
2.5°	1600.4	1602.8	1598.0	1598.0	1600.4	1601.6	1601.6	1602.8	1600.4	1600.4	1599.2
5°	1600.4	1601.6	1599.2	1599.2	1601.6	1605.1	1604.0	1606.3	1606.3	1605.1	1605.1
7.5°	1599.2	1601.6	1599.2	1600.4	1604.0	1611.1	1611.1	1611.1	1613.5	1615.8	1615.8
10°	1598.0	1600.4	1601.6	1602.8	1607.5	1618.2	1620.6	1621.8	1625.3	1628.9	1628.9
12.5°	1592.1	1594.4	1598.0	1602.8	1611.1	1625.3	1630.1	1633.7	1639.6	1643.2	1645.5
15°	1583.8	1584.9	1593.3	1602.8	1615.8	1633.7	1643.2	1649.1	1657.4	1662.2	1665.7
17.5°	1571.9	1573.1	1586.1	1600.4	1619.4	1644.3	1659.8	1669.3	1677.6	1684.7	1689.5
20°	1556.4	1560.0	1575.4	1598.0	1625.3	1655.0	1677.6	1694.2	1702.6	1709.7	1716.8
22.5°	1537.4	1541.0	1560.0	1592.1	1631.3	1669.3	1699.0	1720.4	1731.1	1740.6	1748.9
25°	1508.9	1513.7	1536.2	1577.8	1633.7	1684.7	1722.8	1750.1	1759.6	1771.5	1778.6
27.5°	1464.9	1468.5	1495.8	1549.3	1626.5	1701.4	1750.1	1782.2	1792.9	1805.9	1813.1
30°	1396.0	1403.2	1436.4	1503.0	1608.7	1714.4	1782.2	1814.2	1827.3	1840.4	1849.9
32.5°	1306.9	1317.6	1354.4	1440.0	1574.2	1719.2	1816.6	1853.5	1870.1	1884.3	1896.2
35°	1196.4	1207.1	1251.1	1359.2	1519.6	1709.7	1851.1	1898.6	1918.8	1937.8	1952.1
37.5°	1070.5	1080.0	1133.5	1257.0	1441.2	1680.0	1878.4	1948.5	1975.8	2000.8	2019.8
40°	943.4	954.1	1012.3	1144.2	1346.1	1623.0	1890.3	2003.2	2037.6	2069.7	2093.5
42.5°	805.5	818.6	884.0	1024.2	1235.6	1544.5	1880.8	2056.6	2099.4	2143.4	2179.0
45°	683.2	685.5	756.8	892.3	1114.4	1443.6	1847.5	2107.7	2165.9	2227.7	2278.8
47.5°	565.5	570.3	632.1	766.3	988.5	1329.5	1786.9	2148.1	2240.8	2320.4	2395.2
50°	461.0	466.9	522.8	642.8	862.6	1204.7	1704.9	2171.9	2304.9	2413.1	2517.6
52.5°	375.4	382.6	428.9	534.7	735.4	1074.1	1604.0	2175.4	2363.2	2505.7	2644.7
55°	312.5	317.2	352.9	437.2	613.1	938.6	1488.7	2157.6	2401.2	2588.9	2774.2
57.5°	263.8	268.5	293.5	360.0	502.6	799.6	1348.5	2116.0	2421.4	2661.4	2904.9
60°	229.3	232.9	250.7	298.2	413.5	668.9	1197.6	2042.4	2415.4	2706.5	3013.1
62.5°	204.4	205.5	221.0	254.3	341.0	545.3	1027.7	1931.9	2366.7	2712.5	3086.7
65°	181.8	183.0	192.5	216.2	280.4	438.4	850.7	1779.8	2274.0	2670.9	3097.4
67.5°	*147.3*	*149.7*	*164.0*	*181.8*	*230.5*	*346.9*	*670.1*	*1580.2*	*2129.1*	*2562.8*	*3036.8*
70°	117.6	118.8	133.1	153.3	187.7	273.3	514.5	1311.7	1902.2	2386.9	2880.0
72.5°	87.9	90.3	103.4	123.6	153.3	211.5	371.9	992.1	1520.8	2012.7	2508.1
75°	70.1	71.3	76.0	95.0	118.8	160.4	250.7	601.2	916.0	1245.1	1537.4
77.5°	59.4	60.6	60.6	73.7	87.9	108.1	133.1	238.8	387.3	551.3	730.7
80°	48.7	51.1	46.3	54.7	63.0	63.0	61.8	114.1	183.0	259.0	339.8
82.5°	35.6	38.0	35.6	38.0	38.0	34.5	32.1	42.8	58.2	79.6	86.7
85°	25.0	26.1	28.5	26.1	25.0	20.2	15.4	11.9	7.1	8.3	11.9
87.5°	16.6	20.2	23.8	22.6	19.0	15.4	10.7	7.1	3.6	4.8	4.8
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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REPORT NUMBER: P977142
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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1599.2	1599.2	*1599.2*
2.5°	1600.4	1599.2	*1598.0*
5°	1606.3	1605.1	*1604.0*
7.5°	1614.6	1614.6	*1614.6*
10°	1627.7	1630.1	*1630.1*
12.5°	1644.3	1646.7	*1646.7*
15°	1664.5	1665.7	*1668.1*
17.5°	1689.5	1690.7	*1690.7*
20°	1719.2	1718.0	*1720.4*
22.5°	1748.9	1748.9	*1748.9*
25°	1779.8	1779.8	*1779.8*
27.5°	1815.4	1815.4	*1813.1*
30°	1854.6	1854.6	*1854.6*
32.5°	1902.2	1903.4	*1904.5*
35°	1962.8	1965.1	*1968.7*
37.5°	2031.7	2037.6	*2041.2*
40°	2113.7	2116.0	*2122.0*
42.5°	2205.1	2212.3	*2213.5*
45°	2319.2	2331.1	*2335.8*
47.5°	2453.5	2470.1	*2478.4*
50°	2603.2	2622.2	*2634.0*
52.5°	2765.9	2796.8	*2811.1*
55°	2939.4	2992.9	*3008.3*
57.5°	3135.4	3207.9	*3229.3*
60°	3327.9	3430.1	*3464.5*
62.5°	3491.9	3635.6	*3678.4*
65°	3607.1	3780.6	*3843.5*
67.5°	*3630.9*	*3836.4*	*3911.3*
70°	3488.3	3698.6	*3785.3*
72.5°	3033.3	3223.4	*3331.5*
75°	1791.7	1928.3	*1895.0*
77.5°	899.4	938.6	*944.5*
80°	394.5	418.2	*427.7*
82.5°	97.4	99.8	*112.9*
85°	13.1	15.4	*14.3*
87.5°	4.8	4.8	*5.9*
90°	0.0	0.0	*0.0*

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1121 Highway 74 South
Peachtree City, GA 30269

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

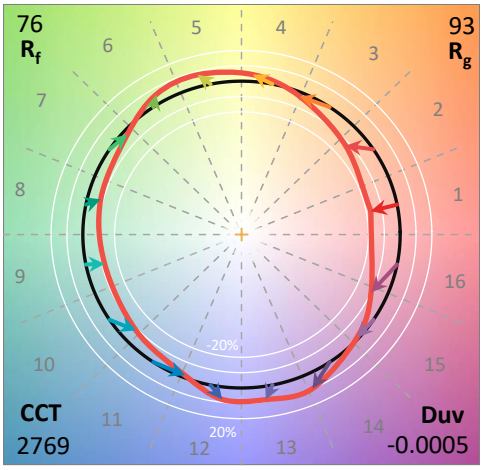
Test Information

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
CIE u':	0.2596
CIE v':	0.5253
Duv:	-0.0005
CIE x:	0.4535
CIE y:	0.4078
CIE z:	0.1387
Peak Wavelength (nm):	597
Dominant Wavelength (nm):	584
Purity:	58.54014
Rf:	75.7
Rg:	93.2

CRI (Ra):	71.7				
R1:	68.0	R9:	-34.5		
R2:	84.0	R10:	64.3		
R3:	94.6	R11:	60.9		
R4:	65.9	R12:	54.4		
R5:	67.3	R13:	71.2		
R6:	78.7	R14:	97.6		
R7:	75.2	R15:	59.5		
R8:	39.8				



Test Conditions

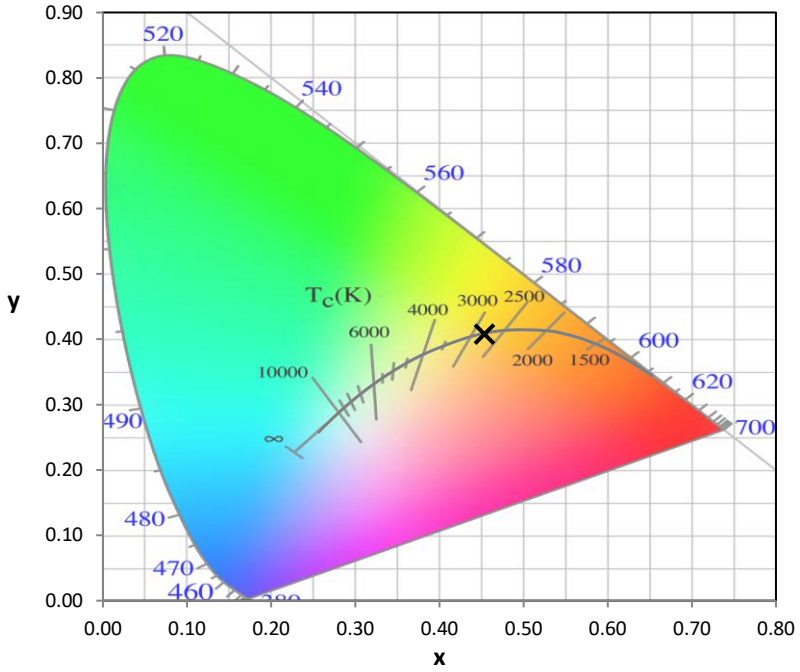
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP2-2501-321-3

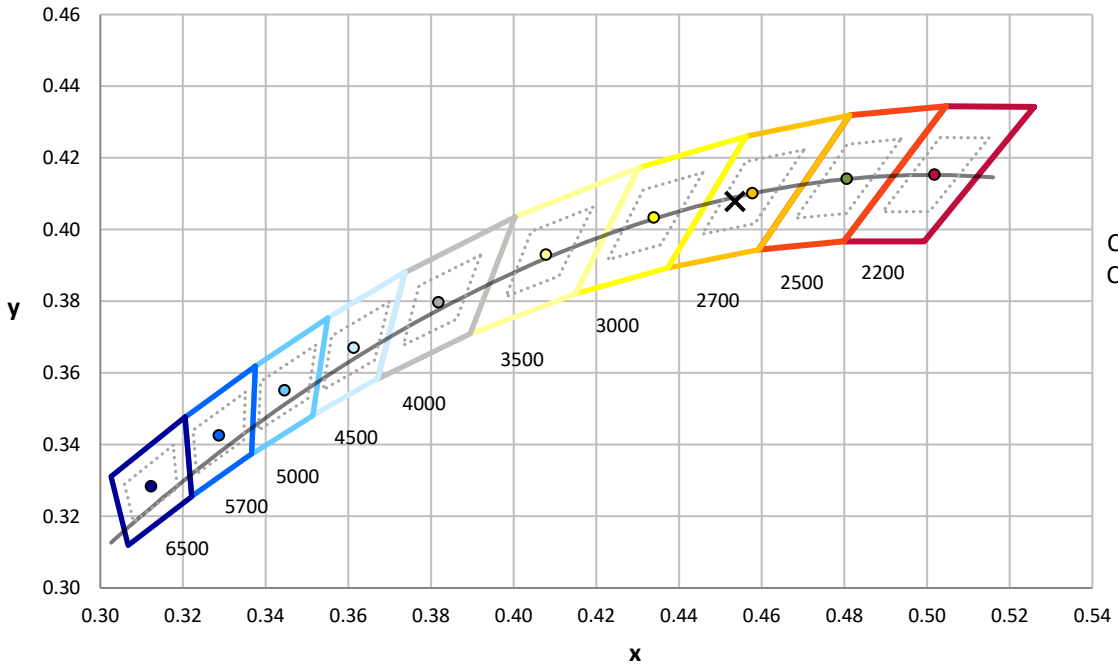
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

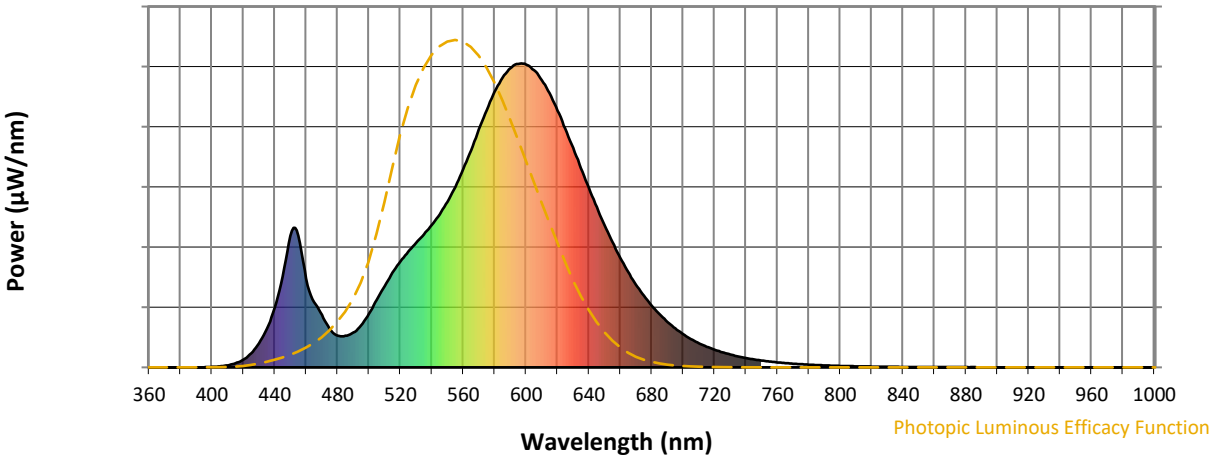


CCT = 2769K
CIE x = 0.4535
CIE y = 0.4078
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-3

Photopic Flux vs. Wavelength

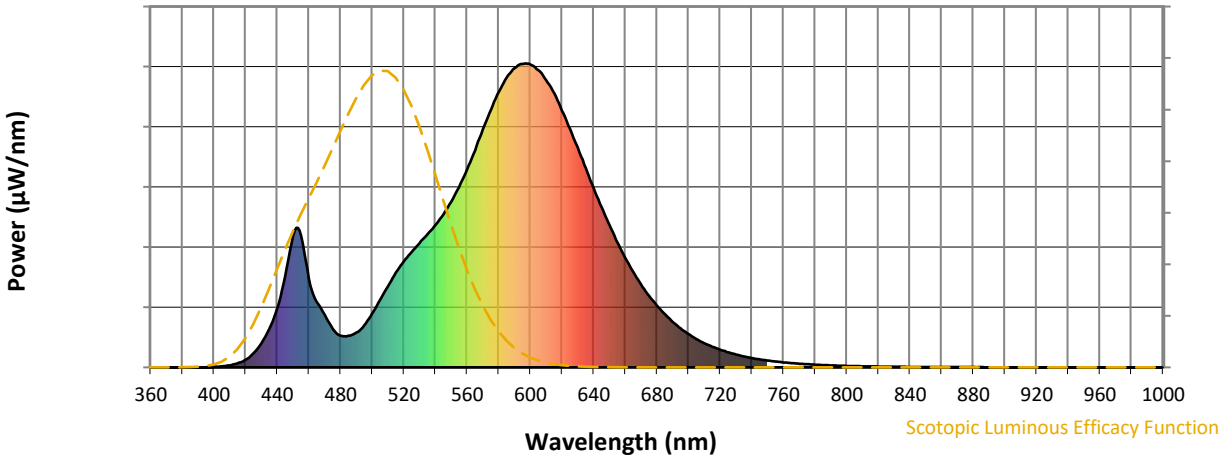


Photopic Lumens: NR

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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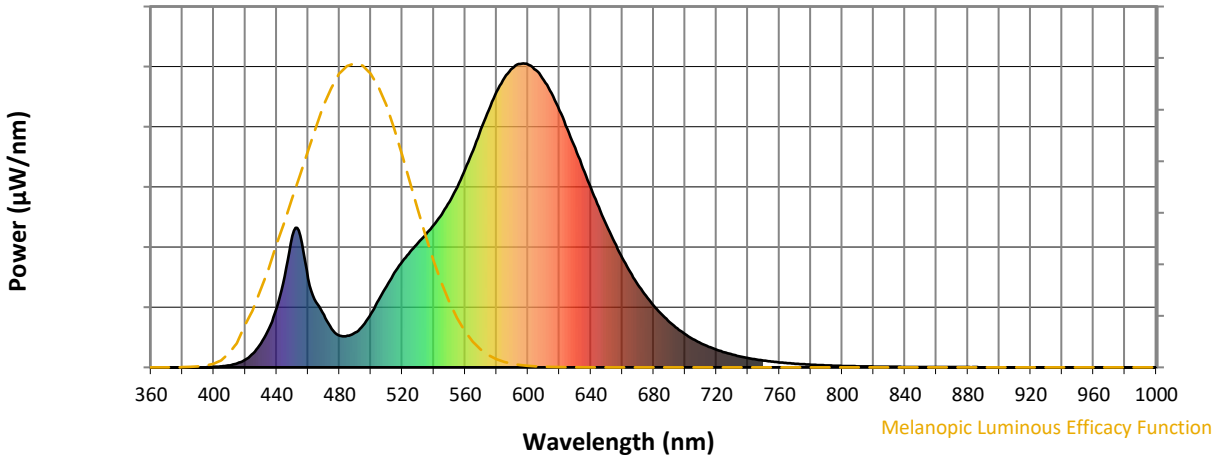
Melanopic Flux vs. Wavelength



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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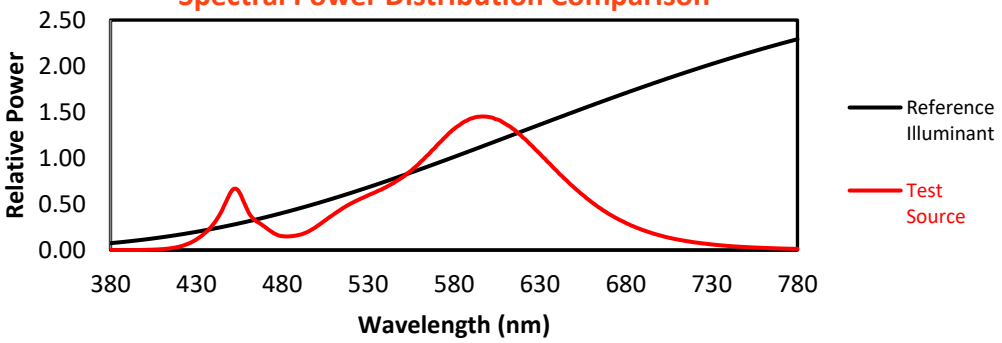
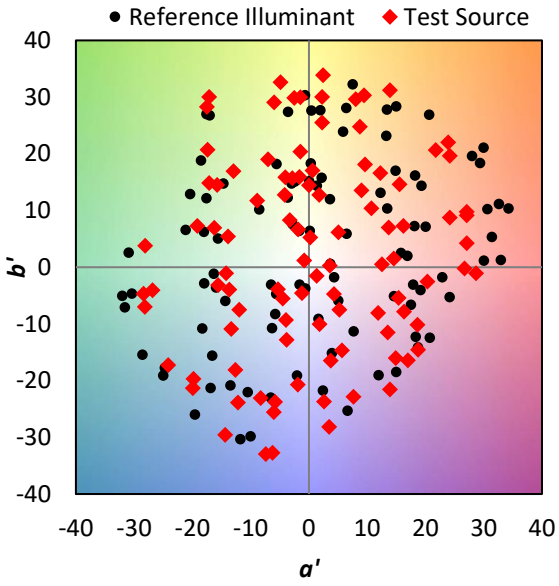
Summary

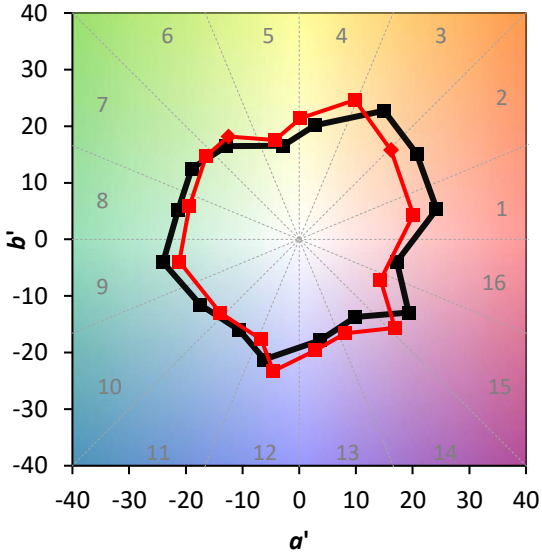
R_f = 75.7
R_g = 93.2
CIE R_a = 71.7
R_9 = -34.5

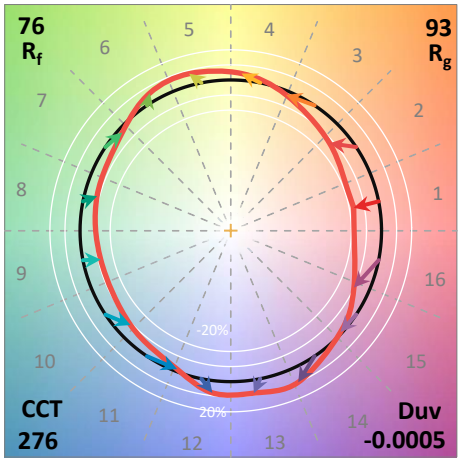
Spectral Power Distribution Comparison

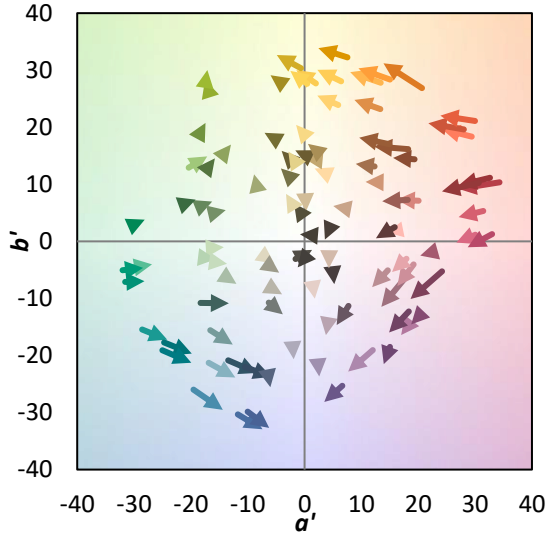


Color Vector Graphics









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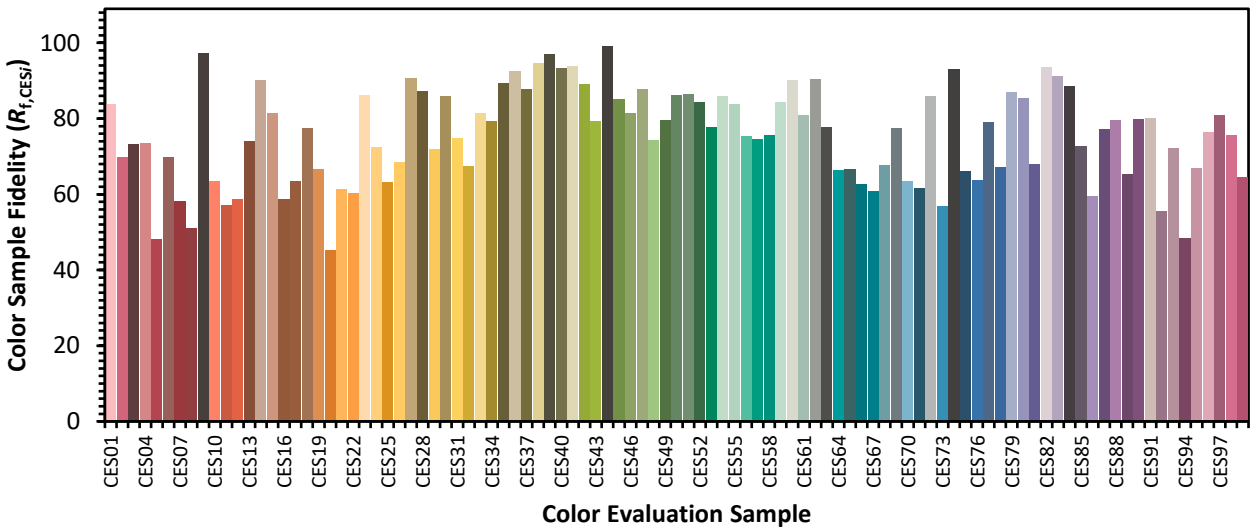
Individual Sample Fidelity Index ($R_{f,i}$)

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	



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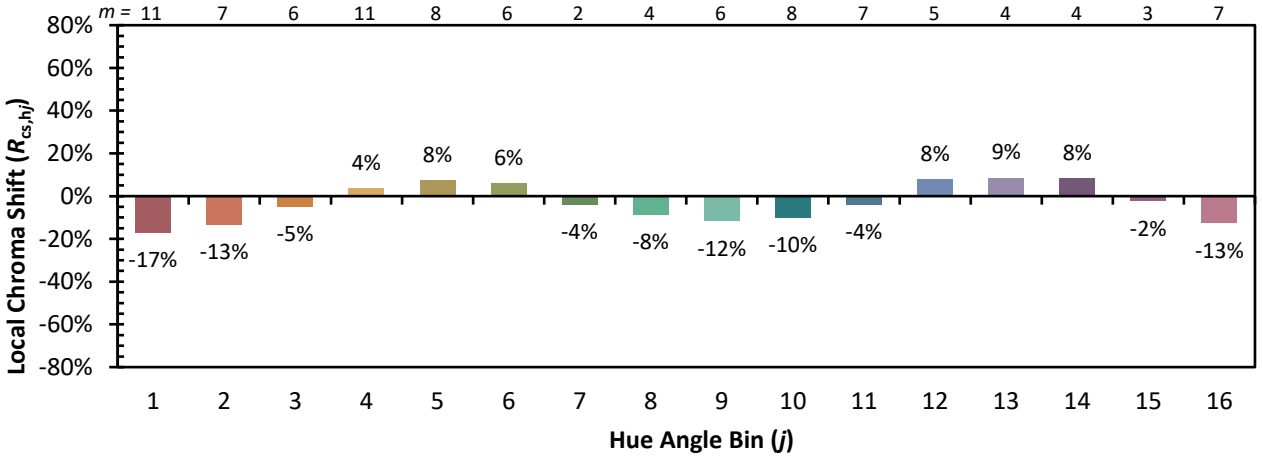
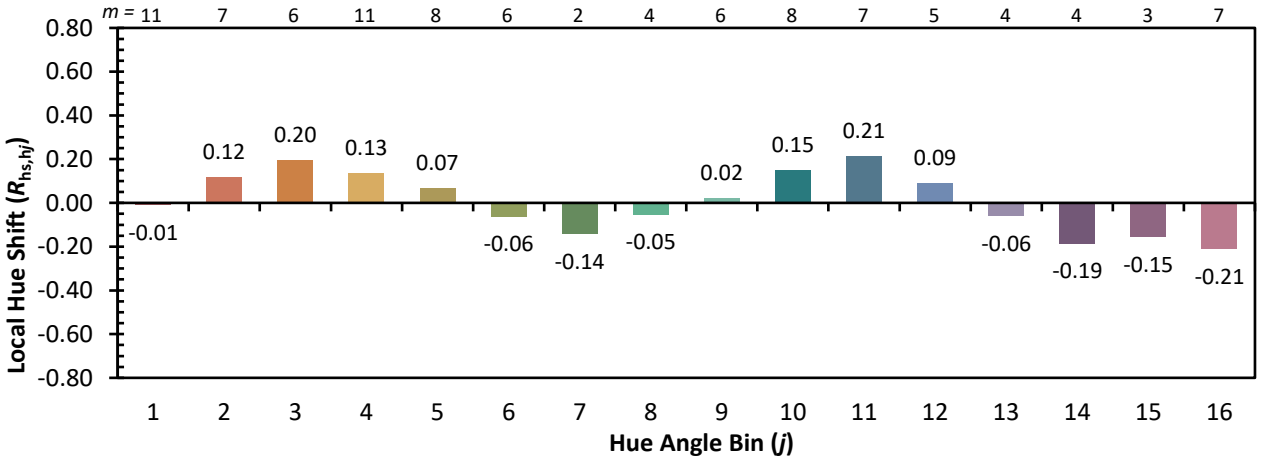
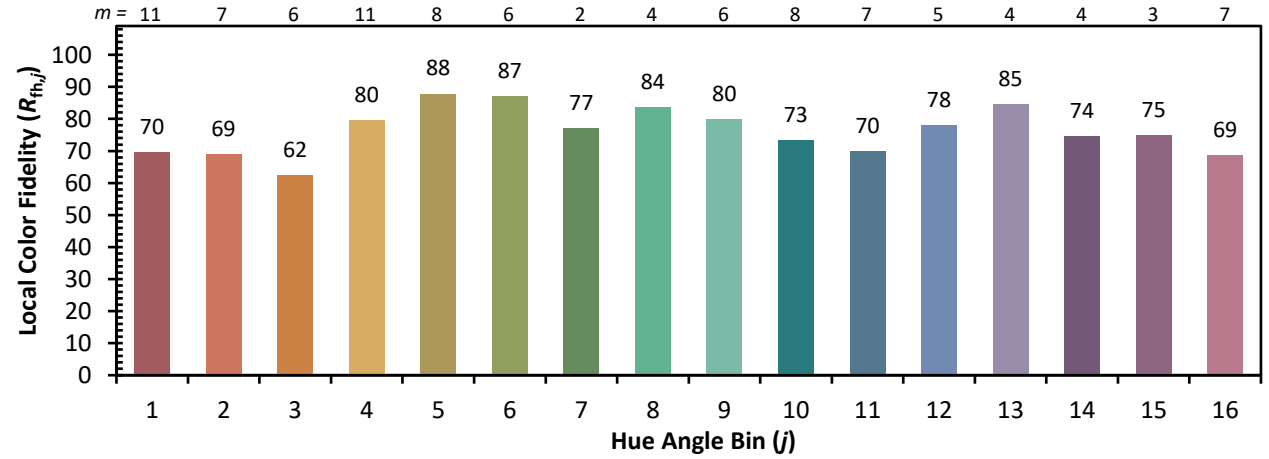
Color Rendition by Hue-Angle Bin







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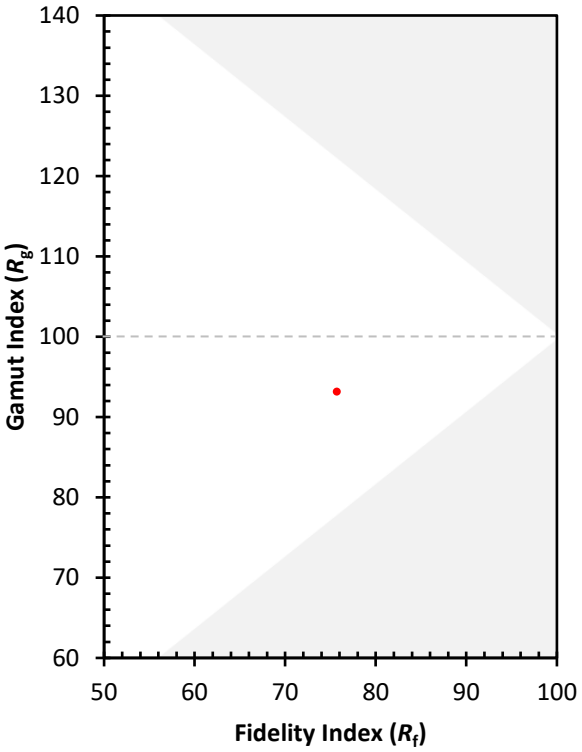
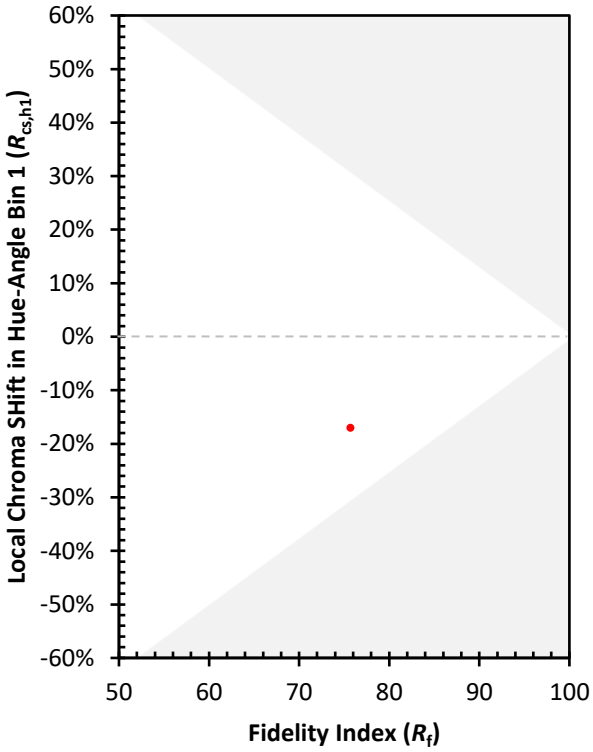
Measure Comparisons





(END OF REPORT)