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: LUMARK

Report Number: P1449784

Luminaire Tested: **AXCS4A-GRF-W**

Issue Date: 5/12/2026

Report Generated By 670246072

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:	P1449784
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1901-095-1)
Test Lab:	INNOVATION CENTER
Issue Date:	5/12/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	AXCS4A-GRF-W
Description:	4A AXCENT LED FULL CUTOFF WALLPACK WITH 3000K 80CRI LEDS AND GLARE REDUCTING LENS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4473 lumens
Efficiency:	N/A
Efficacy:	119.0 lumens/watt
Luminous Opening:	Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	37.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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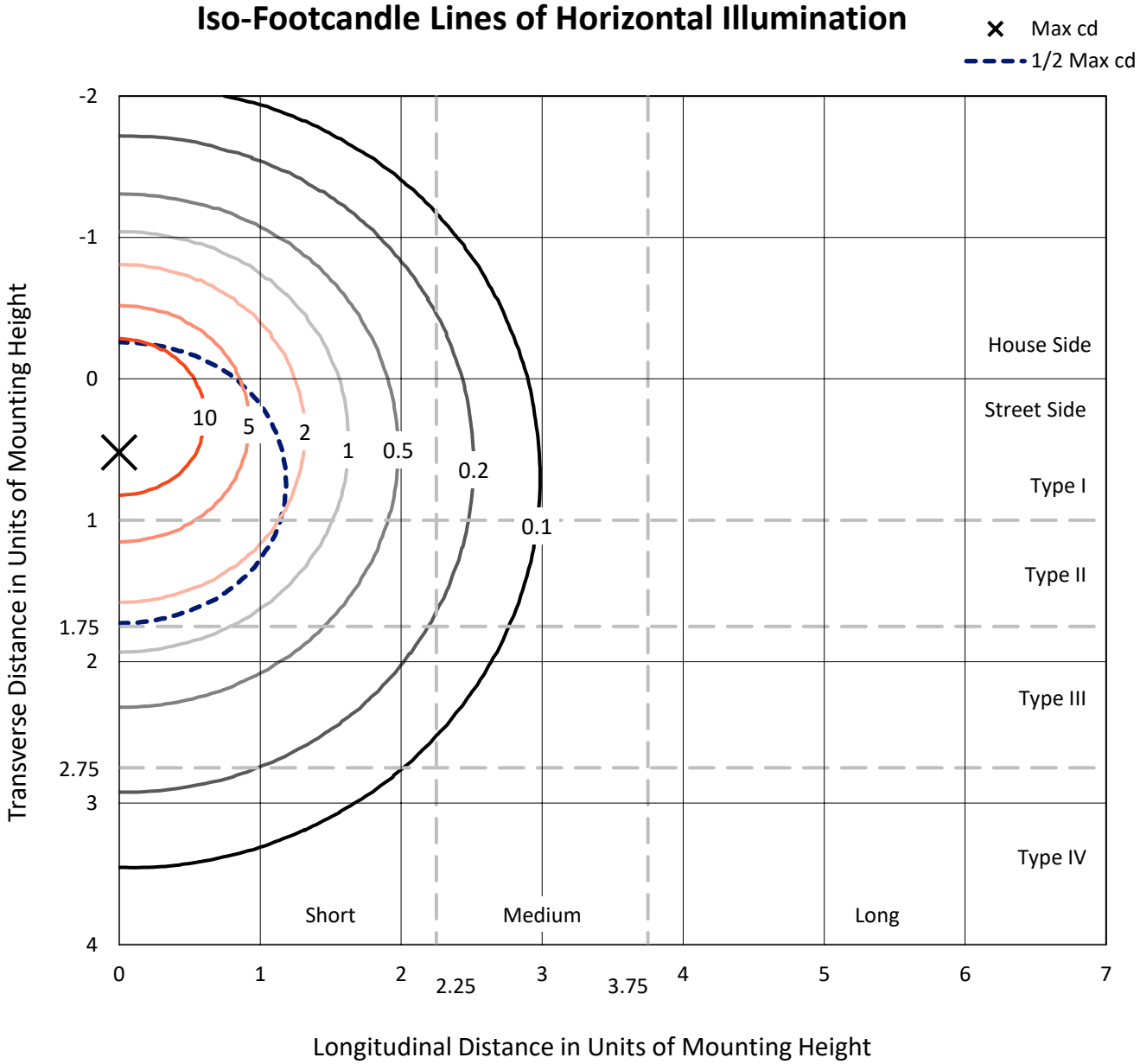
REPORT NUMBER: P1449784
CATALOG NUMBER: AXCS4A-GRF-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 19.8 fc
Type II - Short - N/A

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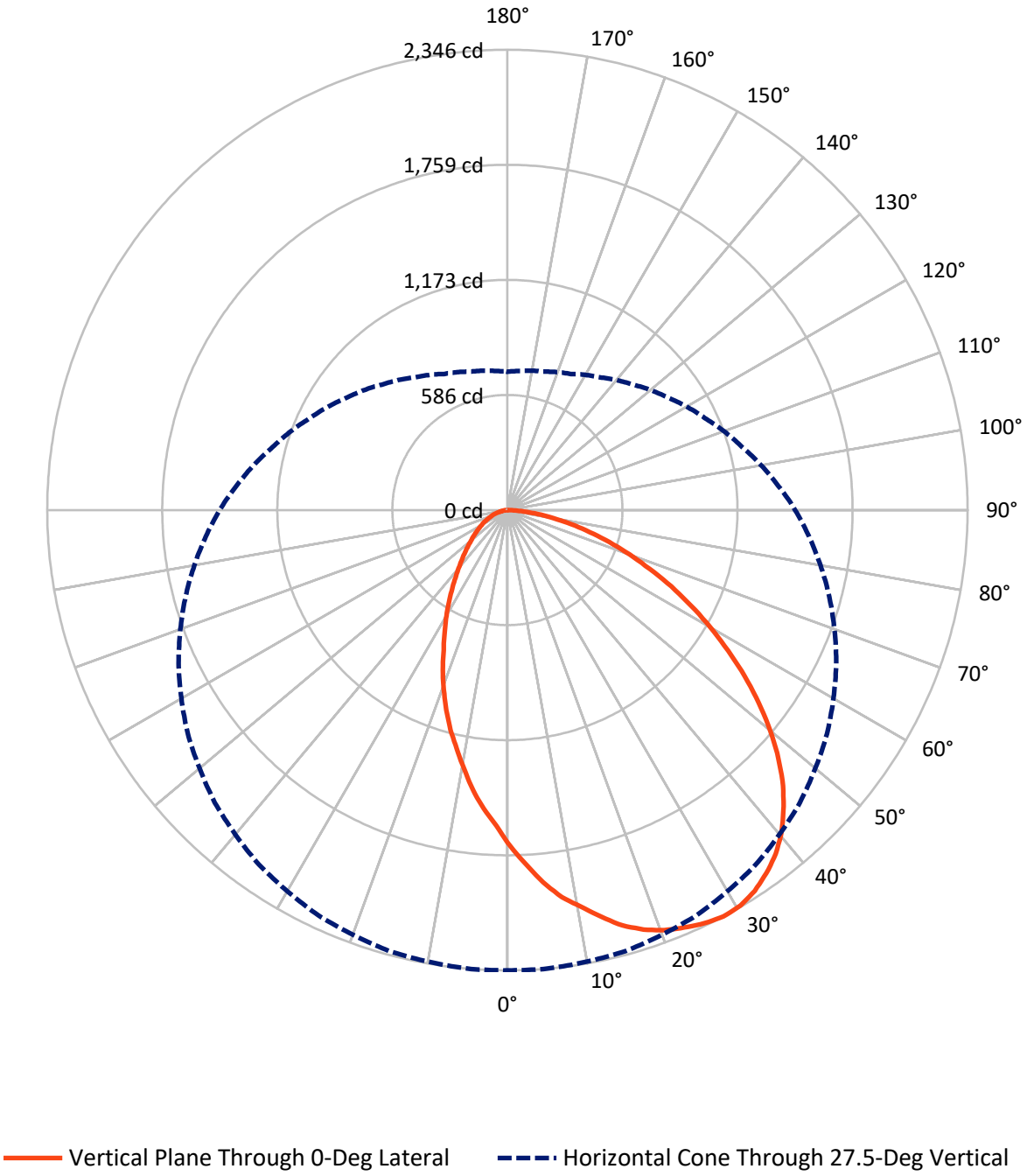
Luminous Intensity Polar Plot



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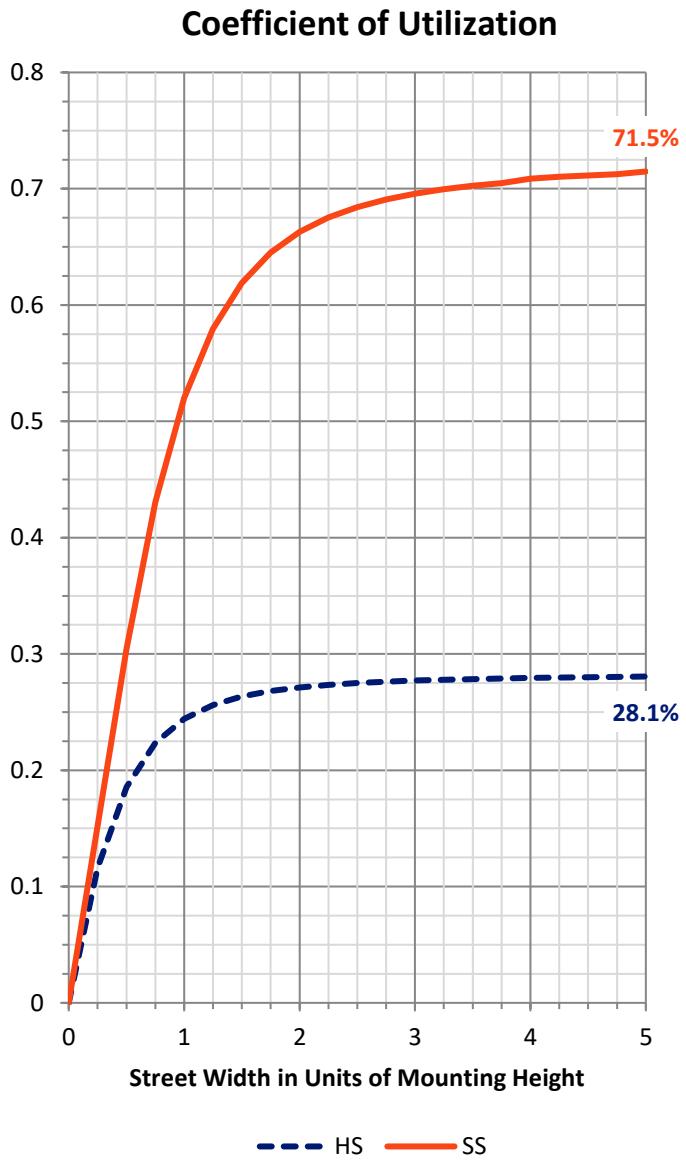
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.6	0.0	1265.6
	% Fixture	28.3	0.0	28.3
Street Side	Lumens	3207.5	0.0	3207.5
	% Fixture	71.7	0.0	71.7
Total	Lumens	4473.0	0.0	4473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	3.6
10°-20°	468.7	10.5
20°-30°	708.8	15.8
30°-40°	840.6	18.8
40°-50°	834.5	18.7
50°-60°	693.9	15.5
60°-70°	474.4	10.6
70°-80°	239.7	5.4
80°-90°	49.9	1.1
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°	4473.0	100.0
0°-180°	4473.0	100.0



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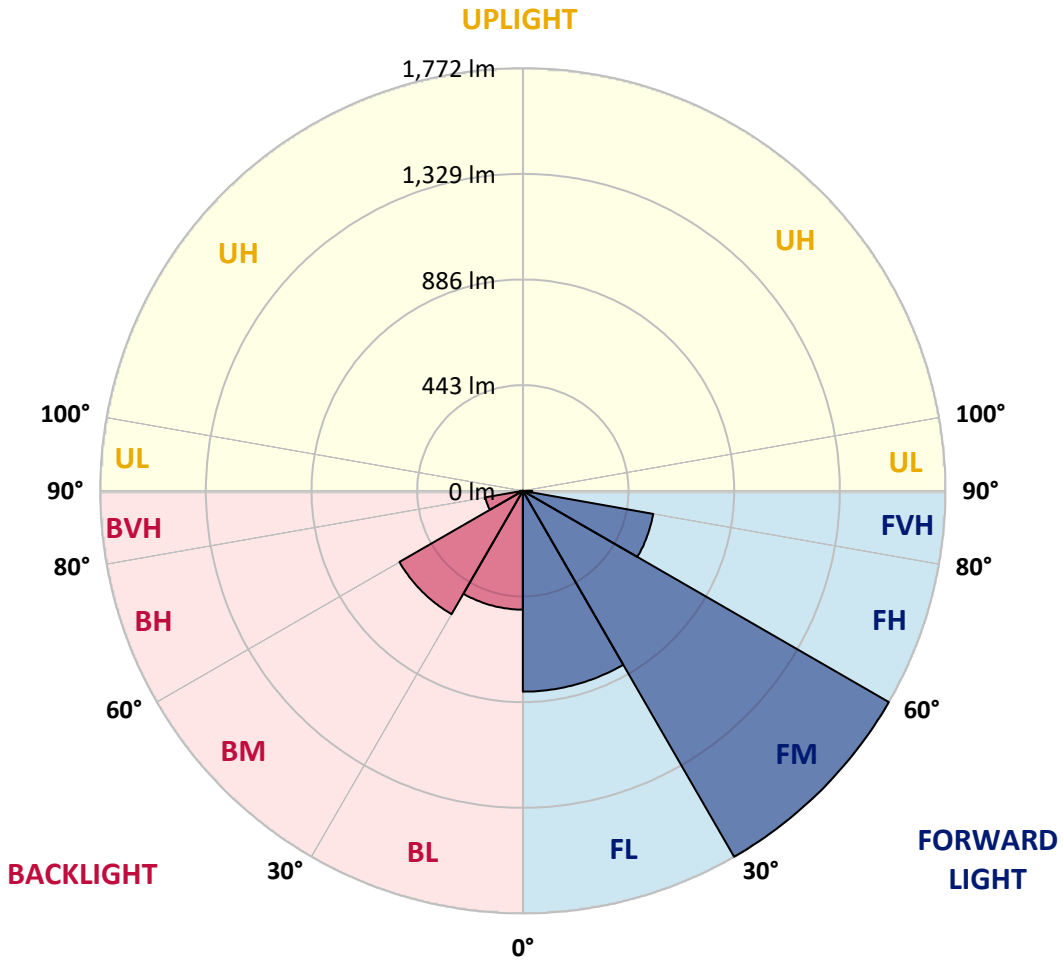
CATALOG NUMBER: AXCS4A-GRF-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	842.0	18.8			
FM	(30°-60°)	1771.8	39.6			
FH	(60°-80°)	554.9	12.4			G0/660
FVH	(80°-90°)	38.8	0.9			G1/100
BL	(0°-30°)	498.1	11.1	B1/500		
BM	(30°-60°)	597.2	13.4	B1/1000		
BH	(60°-80°)	159.2	3.6	B1/500		G1/500
BVH	(80°-90°)	11.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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Scaled Data Report

REPORT NUMBER: P1449784
CATALOG NUMBER: AXCS4A-GRF-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	*1713.4*	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4
2.5°	*1808.2*	1801.9	1792.4	1789.2	1779.7	1770.3	1760.8	1748.1	1735.5	1722.8	1713.4
5°	*1906.2*	1896.7	1884.1	1871.4	1858.8	1839.8	1814.5	1789.2	1760.8	1732.3	1716.5
7.5°	*1991.5*	1982.1	1966.3	1950.5	1925.2	1899.9	1861.9	1820.8	1776.6	1735.5	1710.2
10°	*2054.8*	2048.4	2032.6	2010.5	1978.9	1941.0	1893.5	1836.6	1779.7	1719.7	1691.2
12.5°	*2127.5*	2118.0	2102.2	2073.7	2032.6	1985.2	1925.2	1858.8	1786.1	1710.2	1672.3
15°	*2197.0*	2190.7	2171.7	2140.1	2095.9	2035.8	1963.1	1880.9	1792.4	1703.9	1656.5
17.5°	*2247.6*	2244.4	2228.6	2190.7	2140.1	2067.4	1985.2	1890.4	1789.2	1684.9	1631.2
20°	*2285.5*	2285.5	2266.6	2225.5	2165.4	2089.5	1994.7	1887.2	1773.4	1656.5	1593.2
22.5°	*2310.8*	2310.8	2291.9	2247.6	2181.2	2099.0	1994.7	1874.6	1748.1	1618.5	1549.0
25°	*2333.0*	2329.8	2314.0	2266.6	2197.0	2105.3	1994.7	1865.1	1726.0	1580.6	1507.9
27.5°	*2345.6*	*2345.6*	*2326.6*	*2279.2*	*2206.5*	*2108.5*	*1988.4*	*1849.3*	*1697.6*	*1542.7*	*1466.8*
30°	*2339.3*	2336.1	2317.1	2269.7	2193.9	2092.7	1963.1	1814.5	1656.5	1492.1	1413.0
32.5°	*2314.0*	2307.7	2288.7	2244.4	2165.4	2061.1	1928.3	1773.4	1609.0	1435.2	1349.8
35°	*2272.9*	2272.9	2250.8	2206.5	2130.6	2023.2	1880.9	1726.0	1552.1	1375.1	1289.8
37.5°	*2222.3*	2219.2	2197.0	2155.9	2080.1	1972.6	1830.3	1669.1	1492.1	1308.7	1226.5
40°	*2152.8*	2149.6	2127.5	2086.4	2010.5	1906.2	1763.9	1602.7	1422.5	1239.2	1153.8
42.5°	*2064.3*	2064.3	2042.1	2004.2	1931.5	1830.3	1691.2	1526.9	1349.8	1166.5	1084.3
45°	*1966.3*	1963.1	1941.0	1906.2	1836.6	1735.5	1602.7	1441.5	1267.6	1090.6	1008.4
47.5°	*1849.3*	1846.1	1827.2	1798.7	1732.3	1640.7	1507.9	1353.0	1182.3	1011.6	932.5
50°	*1722.8*	1719.7	1700.7	1675.4	1615.4	1526.9	1400.4	1255.0	1093.8	929.4	856.7
52.5°	*1586.9*	1586.9	1571.1	1545.8	1495.2	1406.7	1289.8	1153.8	1002.1	847.2	771.3
55°	*1447.8*	1447.8	1435.2	1413.0	1365.6	1289.8	1182.3	1052.7	910.4	758.7	698.6
57.5°	*1305.6*	1305.6	1296.1	1277.1	1232.9	1163.3	1068.5	948.4	815.6	686.0	629.1
60°	*1166.5*	1166.5	1157.0	1141.2	1103.3	1036.9	948.4	847.2	723.9	606.9	556.4
62.5°	*1027.4*	1030.5	1021.1	1008.4	976.8	916.7	840.9	739.7	638.6	534.2	490.0
65°	*894.6*	897.8	891.5	875.6	850.4	793.5	727.1	648.0	556.4	464.7	426.8
67.5°	*758.7*	761.8	765.0	746.0	723.9	679.7	625.9	553.2	477.3	401.5	366.7
70°	*638.6*	641.7	641.7	629.1	610.1	572.2	521.6	464.7	401.5	335.1	309.8
72.5°	*521.6*	524.8	527.9	518.4	499.5	467.9	429.9	382.5	328.8	275.0	252.9
75°	*414.1*	420.4	417.3	407.8	395.1	369.9	341.4	300.3	259.2	218.1	199.2
77.5°	*313.0*	316.1	316.1	309.8	300.3	284.5	259.2	227.6	196.0	167.5	151.7
80°	*221.3*	221.3	224.4	221.3	211.8	196.0	180.2	161.2	139.1	120.1	107.5
82.5°	*139.1*	142.3	142.3	139.1	132.8	126.4	110.6	98.0	85.4	75.9	66.4
85°	*69.5*	72.7	72.7	69.5	69.5	63.2	56.9	47.4	41.1	37.9	31.6
87.5°	*22.1*	22.1	19.0	22.1	22.1	19.0	15.8	12.6	12.6	9.5	9.5
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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Scaled Data Report

REPORT NUMBER: P1449784
CATALOG NUMBER: AXCS4A-GRF-W

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4	1713.4
2.5°	1703.9	1684.9	1669.1	1650.1	1637.5	1624.8	1618.5	1609.0	1609.0	1609.0
5°	1697.6	1665.9	1634.3	1602.7	1577.4	1555.3	1542.7	1530.0	1523.7	1526.9
7.5°	1681.8	1634.3	1590.1	1545.8	1511.0	1479.4	1457.3	1441.5	1432.0	1438.3
10°	1656.5	1593.2	1533.2	1479.4	1432.0	1394.1	1365.6	1346.7	1334.0	1337.2
12.5°	1631.2	1555.3	1479.4	1419.4	1359.3	1311.9	1277.1	1258.2	1242.3	1242.3
15°	1609.0	1514.2	1432.0	1356.1	1289.8	1236.0	1194.9	1172.8	1157.0	1157.0
17.5°	1577.4	1470.0	1372.0	1289.8	1213.9	1153.8	1106.4	1081.1	1065.3	1065.3
20°	1533.2	1413.0	1308.7	1217.1	1131.7	1068.5	1014.7	989.5	970.5	970.5
22.5°	1485.8	1356.1	1239.2	1138.0	1049.5	980.0	926.2	897.8	878.8	878.8
25°	1438.3	1299.2	1172.8	1068.5	976.8	904.1	844.0	809.3	787.1	784.0
27.5°	*1387.8*	*1239.2*	*1109.6*	*998.9*	*904.1*	*825.1*	*765.0*	*730.2*	*711.3*	*704.9*
30°	1327.7	1172.8	1040.0	923.1	821.9	746.0	689.1	654.4	635.4	635.4
32.5°	1267.6	1106.4	970.5	853.5	746.0	676.5	619.6	584.8	565.9	565.9
35°	1201.3	1040.0	900.9	777.7	679.7	610.1	556.4	521.6	502.6	502.6
37.5°	1134.9	976.8	831.4	714.4	622.8	550.0	496.3	464.7	448.9	445.7
40°	1065.3	907.3	761.8	651.2	562.7	493.1	445.7	414.1	398.3	395.1
42.5°	995.8	837.7	698.6	591.1	505.8	442.6	398.3	366.7	354.1	350.9
45°	923.1	768.2	638.6	537.4	455.2	398.3	354.1	328.8	316.1	313.0
47.5°	853.5	701.8	581.7	486.8	411.0	357.2	316.1	290.8	278.2	278.2
50°	768.2	638.6	524.8	439.4	369.9	319.3	281.3	259.2	249.7	246.6
52.5°	698.6	578.5	474.2	395.1	331.9	284.5	252.9	230.8	221.3	221.3
55°	635.4	521.6	426.8	354.1	294.0	256.1	224.4	208.6	196.0	196.0
57.5°	565.9	464.7	382.5	316.1	265.5	227.6	202.3	183.3	173.9	173.9
60°	505.8	414.1	338.2	281.3	233.9	199.2	177.0	164.4	154.9	154.9
62.5°	445.7	363.5	297.2	246.6	205.5	177.0	154.9	142.3	135.9	135.9
65°	385.7	316.1	259.2	215.0	180.2	154.9	135.9	123.3	120.1	117.0
67.5°	331.9	275.0	224.4	186.5	154.9	132.8	117.0	107.5	101.2	101.2
70°	278.2	230.8	189.7	158.1	132.8	113.8	101.2	91.7	88.5	85.4
72.5°	230.8	189.7	154.9	129.6	107.5	94.8	82.2	75.9	72.7	72.7
75°	183.3	151.7	123.3	104.3	88.5	72.7	66.4	60.1	56.9	56.9
77.5°	139.1	113.8	94.8	79.0	66.4	56.9	50.6	47.4	44.3	41.1
80°	98.0	79.0	66.4	56.9	47.4	41.1	34.8	31.6	31.6	31.6
82.5°	60.1	50.6	41.1	34.8	28.5	25.3	22.1	19.0	19.0	19.0
85°	31.6	25.3	19.0	15.8	12.6	12.6	9.5	9.5	9.5	9.5
87.5°	9.5	6.3	6.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2
90°	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

Lumark

Report Number: SP1-2512-637-1

Test Date: 01/12/2026

Luminaire Tested: AXCS4A-W

Data in this report applies to families of products including AXCS4A-W

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.05

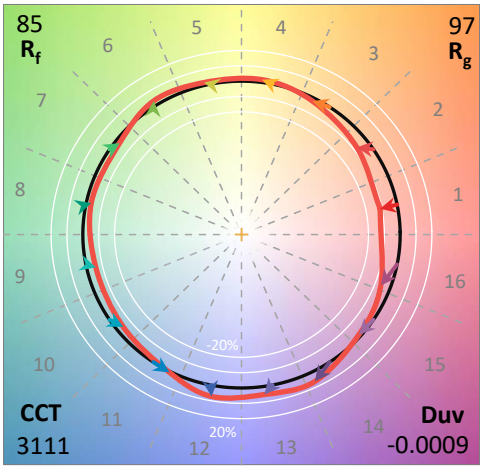
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2512-637-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	01/13/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**AXCS4A-W**
Description:	4A AXCENT SMALL WALLPACK, FULL CUTOFF, 3000K

Spectral Parameters

CCT (K):	3111
CIE u':	0.2472
CIE v':	0.5179
Duv:	-0.0009
CIE x:	0.4280
CIE y:	0.3986
CIE z:	0.1733
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	582
Purity:	48.11977
Rf:	85.3
Rg:	96.7

CRI (Ra):	83.4
R1:	82.0
R2:	91.4
R3:	96.3
R4:	81.9
R5:	82.5
R6:	89.7
R7:	83.1
R8:	60.2
R9:	8.9
R10:	80.6
R11:	81.8
R12:	73.2
R13:	84.3
R14:	98.6
R15:	74.6



Test Conditions

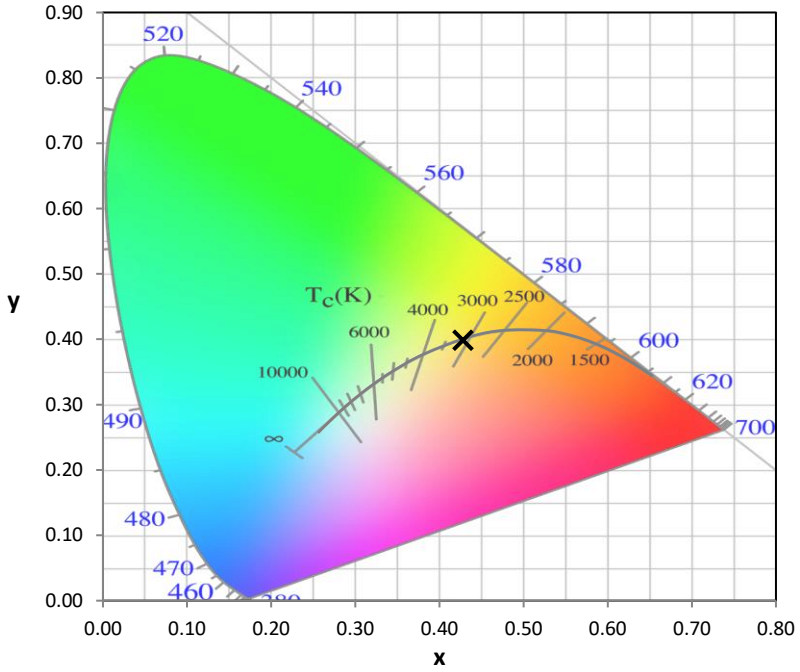
Stabilization Time:	52M
Operation Time:	1H 52M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2512-637-1

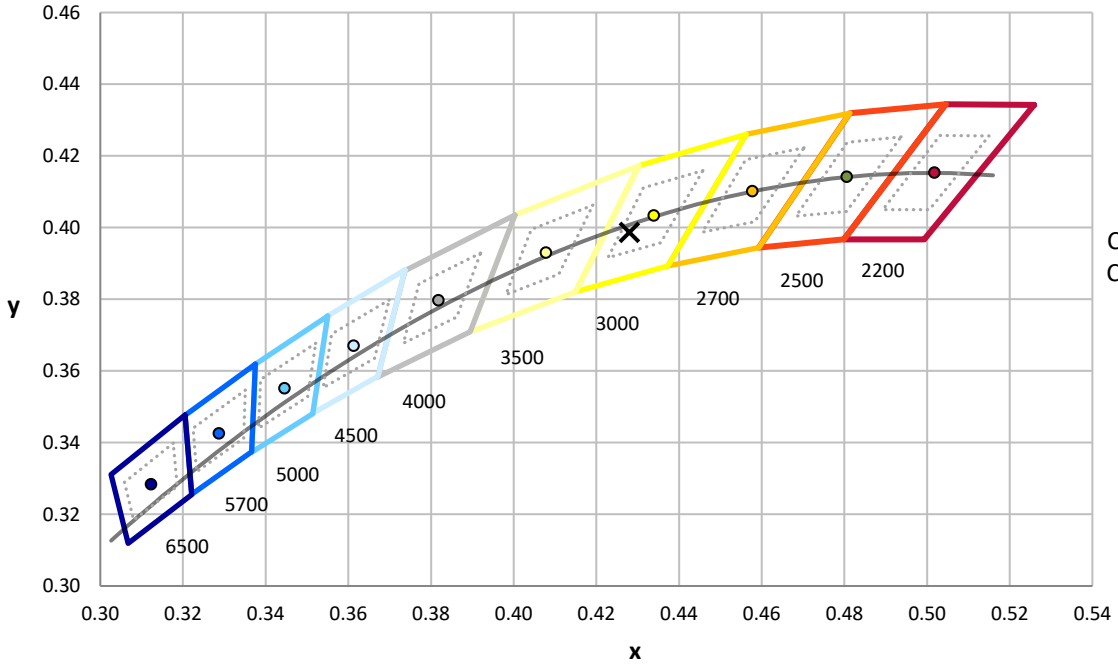
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208	10/21/2025	10/21/2026
Sphere Thermometer	ONSET IN0085	10/21/2025	10/21/2026
Room Thermometer	ONSET IN0046	10/21/2025	10/21/2026

REPORT NUMBER: SP1-2512-637-1

CIE 1931 Chromaticity Diagram



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

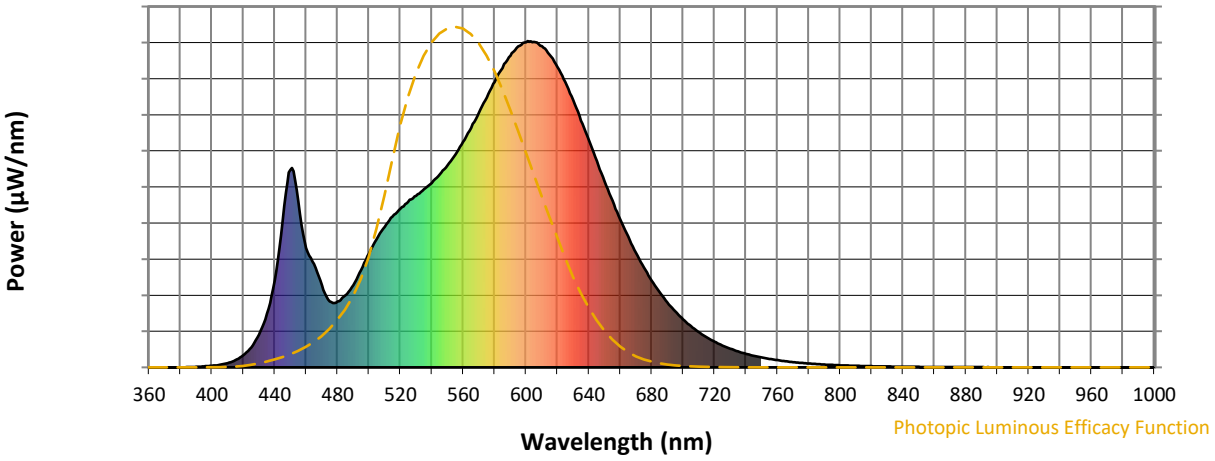


CCT = 3111K
CIE x = 0.4280
CIE y = 0.3986
Duv = -0.0009

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2512-637-1

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	252	NR	620	920	NR	750	30	NR	880	1	NR
365	0	NR	495	298	NR	625	875	NR	755	26	NR	885	1	NR
370	0	NR	500	349	NR	630	819	NR	760	22	NR	890	1	NR
375	0	NR	505	394	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	431	NR	640	696	NR	770	16	NR	900	1	NR
385	1	NR	515	462	NR	645	633	NR	775	14	NR	905	0	NR
390	2	NR	520	487	NR	650	570	NR	780	12	NR	910	0	NR
395	3	NR	525	507	NR	655	511	NR	785	10	NR	915	0	NR
400	5	NR	530	525	NR	660	453	NR	790	9	NR	920	0	NR
405	8	NR	535	546	NR	665	401	NR	795	7	NR	925	0	NR
410	13	NR	540	565	NR	670	352	NR	800	6	NR	930	0	NR
415	22	NR	545	591	NR	675	306	NR	805	6	NR	935	0	NR
420	38	NR	550	619	NR	680	266	NR	810	5	NR	940	0	NR
425	61	NR	555	652	NR	685	230	NR	815	4	NR	945	0	NR
430	100	NR	560	691	NR	690	199	NR	820	4	NR	950	0	NR
435	165	NR	565	734	NR	695	171	NR	825	3	NR	955	0	NR
440	265	NR	570	780	NR	700	147	NR	830	3	NR	960	0	NR
445	450	NR	575	826	NR	705	126	NR	835	2	NR	965	0	NR
450	605	NR	580	874	NR	710	108	NR	840	2	NR	970	0	NR
455	508	NR	585	917	NR	715	92	NR	845	2	NR	975	0	NR
460	366	NR	590	956	NR	720	79	NR	850	2	NR	980	0	NR
465	317	NR	595	983	NR	725	67	NR	855	1	NR	985	0	NR
470	251	NR	600	997	NR	730	57	NR	860	1	NR	990	0	NR
475	202	NR	605	997	NR	735	49	NR	865	1	NR	995	0	NR
480	202	NR	610	984	NR	740	42	NR	870	1	NR	1000	0	NR
485	220	NR	615	958	NR	745	35	NR	875	1	NR			

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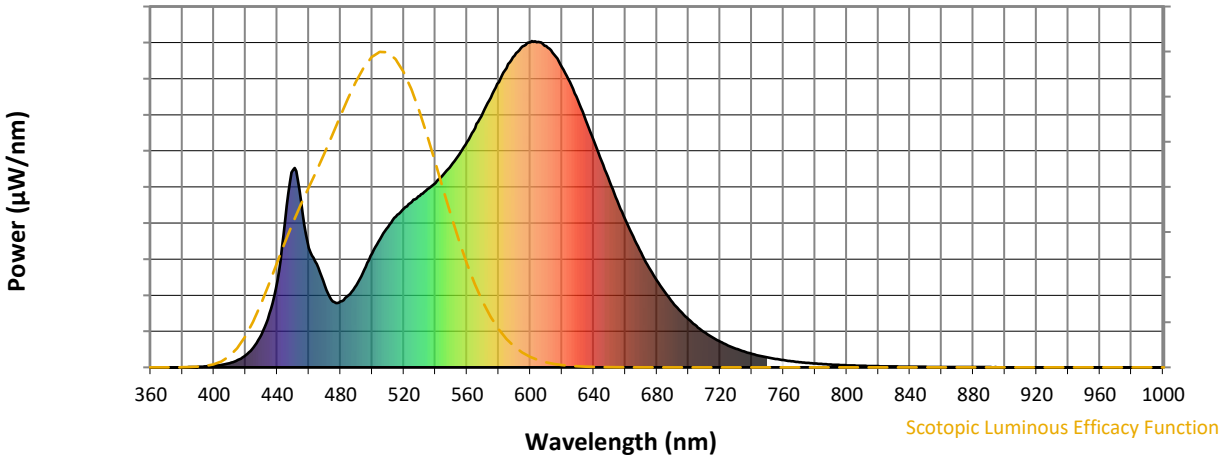
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.4**

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	252	NR	620	920	NR	750	30	NR	880	1	NR
365	0	NR	495	298	NR	625	875	NR	755	26	NR	885	1	NR
370	0	NR	500	349	NR	630	819	NR	760	22	NR	890	1	NR
375	0	NR	505	394	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	431	NR	640	696	NR	770	16	NR	900	1	NR
385	1	NR	515	462	NR	645	633	NR	775	14	NR	905	0	NR
390	2	NR	520	487	NR	650	570	NR	780	12	NR	910	0	NR
395	3	NR	525	507	NR	655	511	NR	785	10	NR	915	0	NR
400	5	NR	530	525	NR	660	453	NR	790	9	NR	920	0	NR
405	8	NR	535	546	NR	665	401	NR	795	7	NR	925	0	NR
410	13	NR	540	565	NR	670	352	NR	800	6	NR	930	0	NR
415	22	NR	545	591	NR	675	306	NR	805	6	NR	935	0	NR
420	38	NR	550	619	NR	680	266	NR	810	5	NR	940	0	NR
425	61	NR	555	652	NR	685	230	NR	815	4	NR	945	0	NR
430	100	NR	560	691	NR	690	199	NR	820	4	NR	950	0	NR
435	165	NR	565	734	NR	695	171	NR	825	3	NR	955	0	NR
440	265	NR	570	780	NR	700	147	NR	830	3	NR	960	0	NR
445	450	NR	575	826	NR	705	126	NR	835	2	NR	965	0	NR
450	605	NR	580	874	NR	710	108	NR	840	2	NR	970	0	NR
455	508	NR	585	917	NR	715	92	NR	845	2	NR	975	0	NR
460	366	NR	590	956	NR	720	79	NR	850	2	NR	980	0	NR
465	317	NR	595	983	NR	725	67	NR	855	1	NR	985	0	NR
470	251	NR	600	997	NR	730	57	NR	860	1	NR	990	0	NR
475	202	NR	605	997	NR	735	49	NR	865	1	NR	995	0	NR
480	202	NR	610	984	NR	740	42	NR	870	1	NR	1000	0	NR
485	220	NR	615	958	NR	745	35	NR	875	1	NR			

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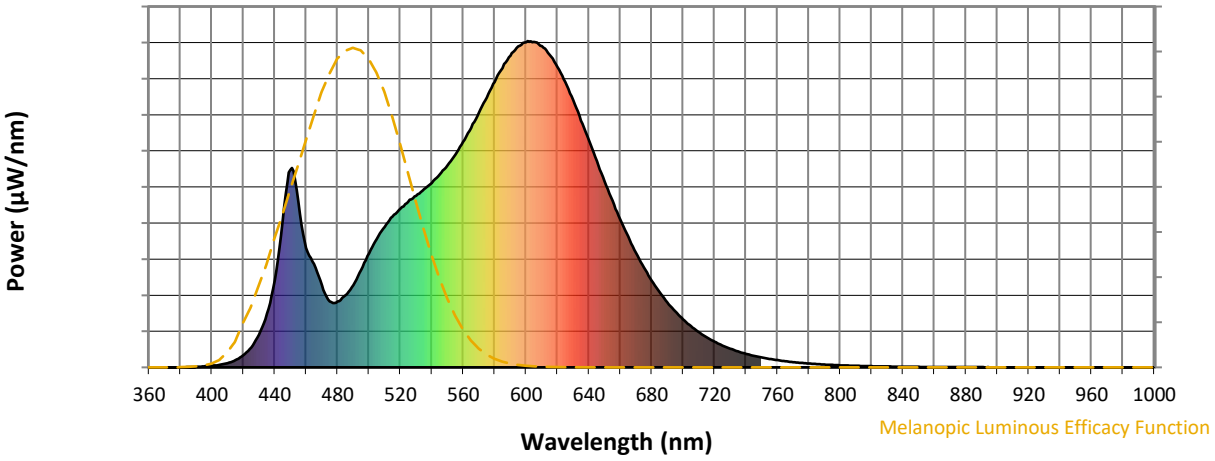
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.73**

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	252	NR	620	920	NR	750	30	NR	880	1	NR
365	0	NR	495	298	NR	625	875	NR	755	26	NR	885	1	NR
370	0	NR	500	349	NR	630	819	NR	760	22	NR	890	1	NR
375	0	NR	505	394	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	431	NR	640	696	NR	770	16	NR	900	1	NR
385	1	NR	515	462	NR	645	633	NR	775	14	NR	905	0	NR
390	2	NR	520	487	NR	650	570	NR	780	12	NR	910	0	NR
395	3	NR	525	507	NR	655	511	NR	785	10	NR	915	0	NR
400	5	NR	530	525	NR	660	453	NR	790	9	NR	920	0	NR
405	8	NR	535	546	NR	665	401	NR	795	7	NR	925	0	NR
410	13	NR	540	565	NR	670	352	NR	800	6	NR	930	0	NR
415	22	NR	545	591	NR	675	306	NR	805	6	NR	935	0	NR
420	38	NR	550	619	NR	680	266	NR	810	5	NR	940	0	NR
425	61	NR	555	652	NR	685	230	NR	815	4	NR	945	0	NR
430	100	NR	560	691	NR	690	199	NR	820	4	NR	950	0	NR
435	165	NR	565	734	NR	695	171	NR	825	3	NR	955	0	NR
440	265	NR	570	780	NR	700	147	NR	830	3	NR	960	0	NR
445	450	NR	575	826	NR	705	126	NR	835	2	NR	965	0	NR
450	605	NR	580	874	NR	710	108	NR	840	2	NR	970	0	NR
455	508	NR	585	917	NR	715	92	NR	845	2	NR	975	0	NR
460	366	NR	590	956	NR	720	79	NR	850	2	NR	980	0	NR
465	317	NR	595	983	NR	725	67	NR	855	1	NR	985	0	NR
470	251	NR	600	997	NR	730	57	NR	860	1	NR	990	0	NR
475	202	NR	605	997	NR	735	49	NR	865	1	NR	995	0	NR
480	202	NR	610	984	NR	740	42	NR	870	1	NR	1000	0	NR
485	220	NR	615	958	NR	745	35	NR	875	1	NR			

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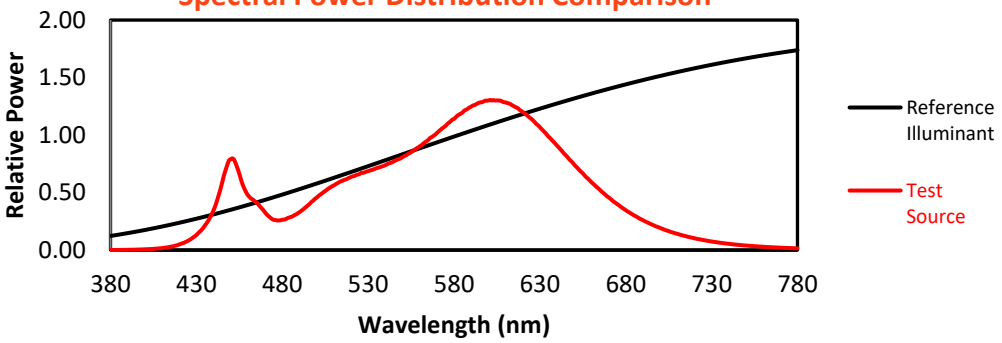
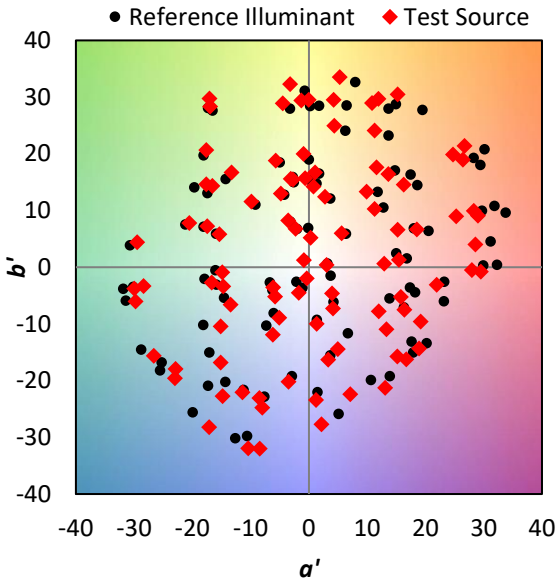
Summary

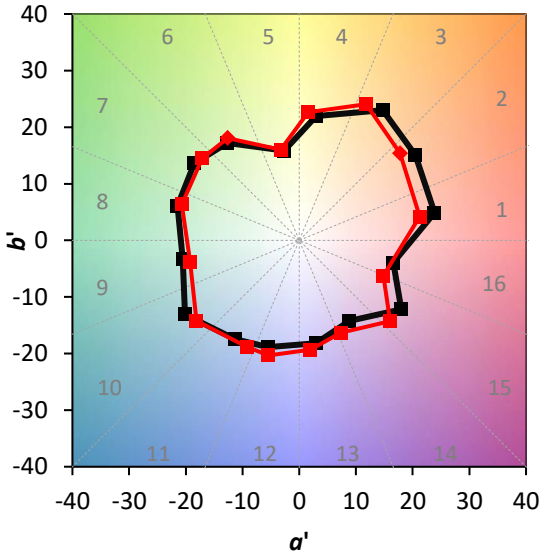
R_f = 85.3
R_g = 96.7
CIE R_a = 83.4
R_9 = 8.9

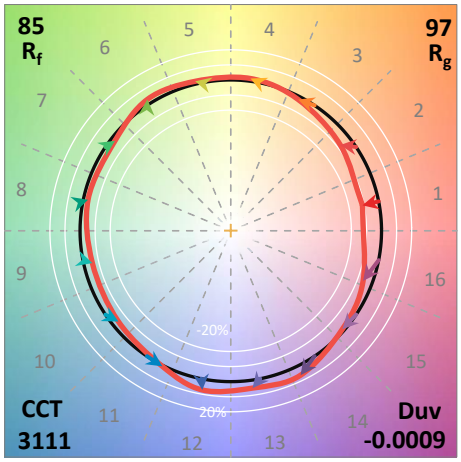
Spectral Power Distribution Comparison

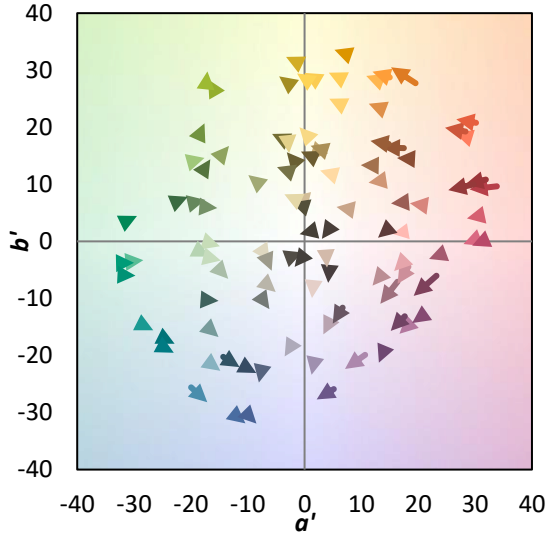


Color Vector Graphics









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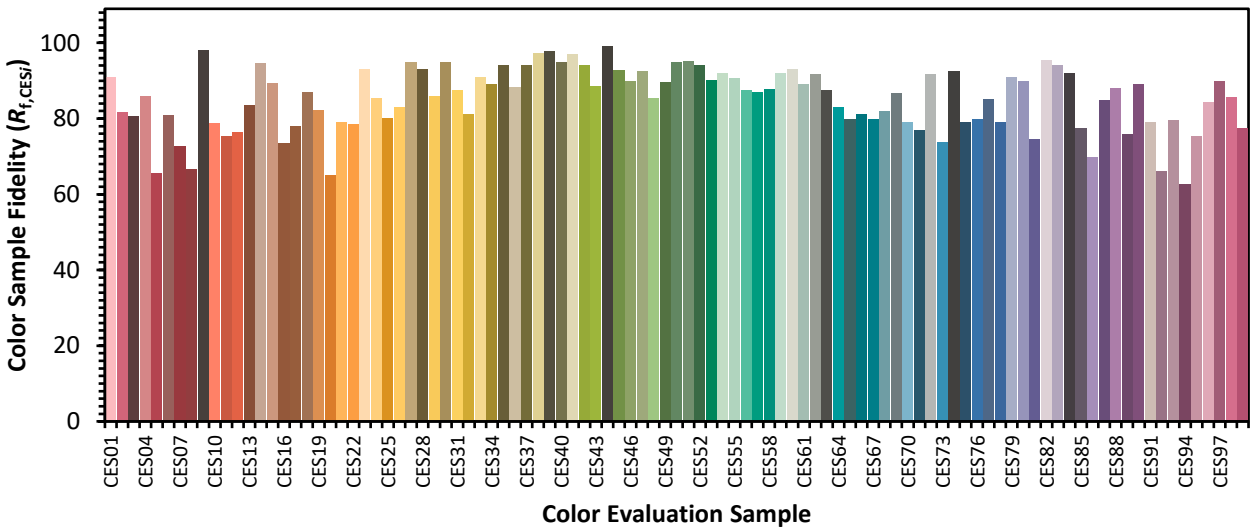
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 83	CES51 = 95	CES76 = 80
CES02 = 63	CES27 = 95	CES52 = 94	CES77 = 85
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 79
CES04 = 70	CES29 = 86	CES54 = 92	CES79 = 91
CES05 = 49	CES30 = 95	CES55 = 91	CES80 = 90
CES06 = 51	CES31 = 87	CES56 = 88	CES81 = 74
CES07 = 42	CES32 = 81	CES57 = 87	CES82 = 95
CES08 = 41	CES33 = 91	CES58 = 88	CES83 = 94
CES09 = 29	CES34 = 89	CES59 = 92	CES84 = 92
CES10 = 76	CES35 = 94	CES60 = 93	CES85 = 78
CES11 = 59	CES36 = 88	CES61 = 89	CES86 = 70
CES12 = 65	CES37 = 94	CES62 = 92	CES87 = 85
CES13 = 43	CES38 = 97	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 83	CES89 = 76
CES15 = 71	CES40 = 95	CES65 = 80	CES90 = 89
CES16 = 47	CES41 = 97	CES66 = 81	CES91 = 79
CES17 = 50	CES42 = 94	CES67 = 80	CES92 = 66
CES18 = 56	CES43 = 89	CES68 = 82	CES93 = 80
CES19 = 72	CES44 = 99	CES69 = 87	CES94 = 63
CES20 = 66	CES45 = 93	CES70 = 79	CES95 = 75
CES21 = 87	CES46 = 90	CES71 = 77	CES96 = 84
CES22 = 79	CES47 = 93	CES72 = 92	CES97 = 90
CES23 = 92	CES48 = 86	CES73 = 74	CES98 = 86
CES24 = 91	CES49 = 90	CES74 = 93	CES99 = 77
CES25 = 72	CES50 = 95	CES75 = 79	



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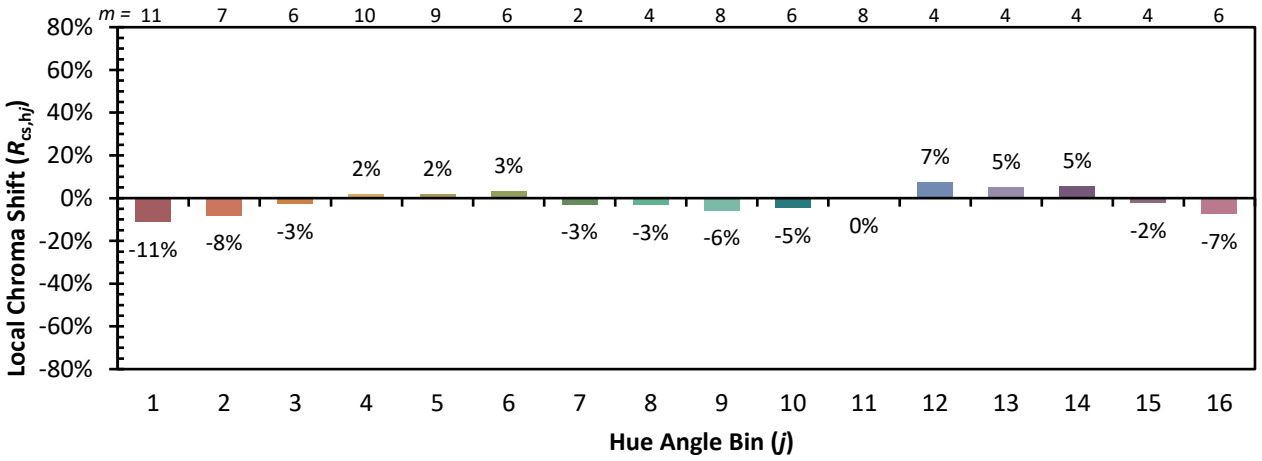
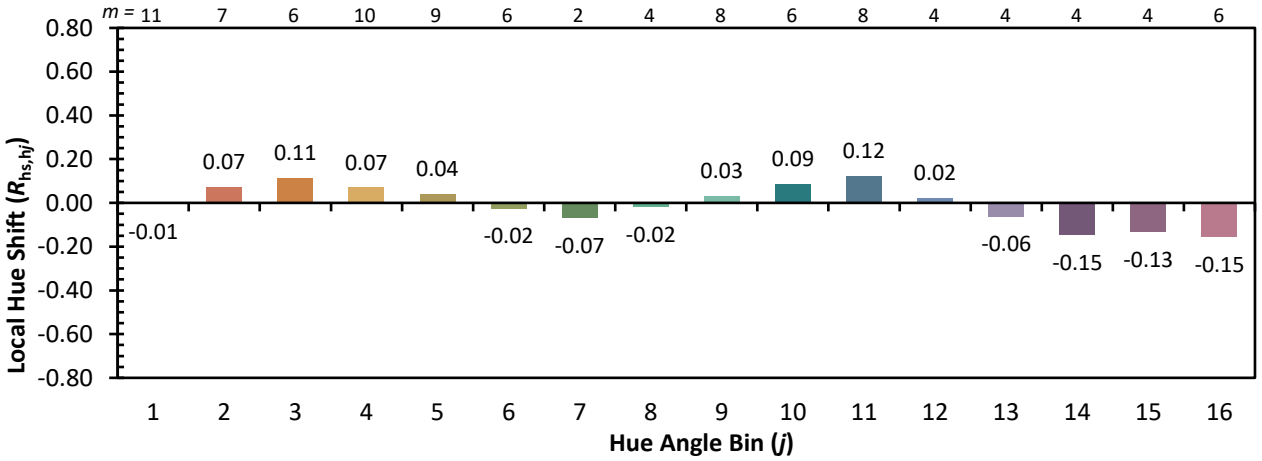
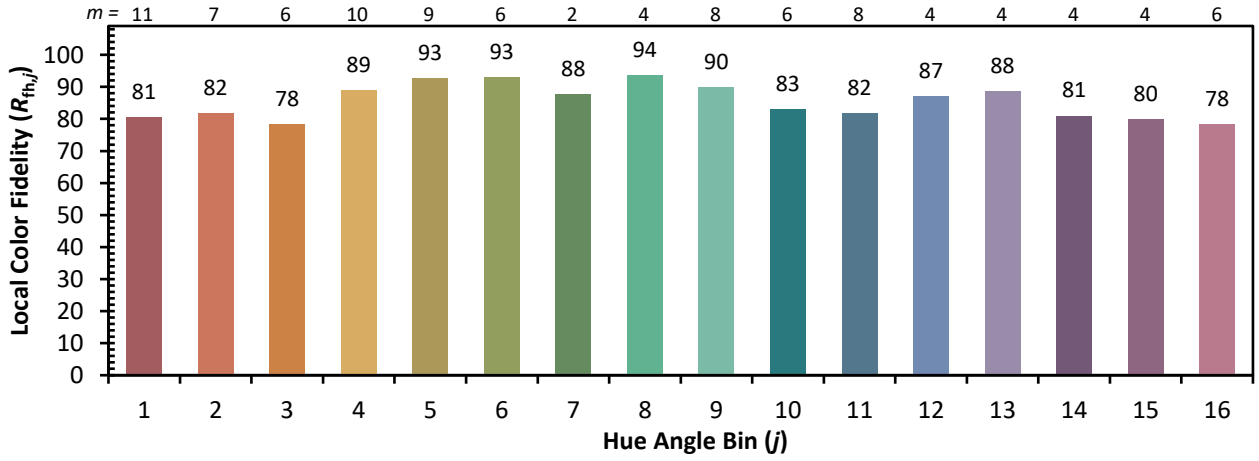
Color Rendition by Hue-Angle Bin







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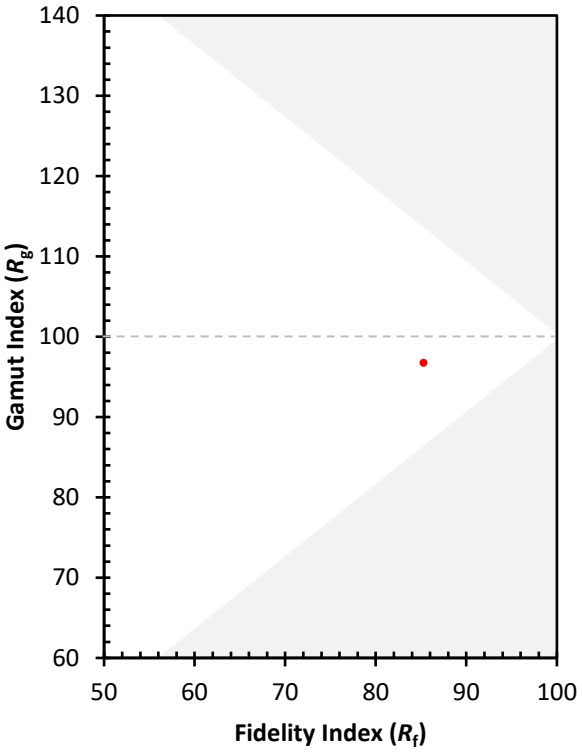
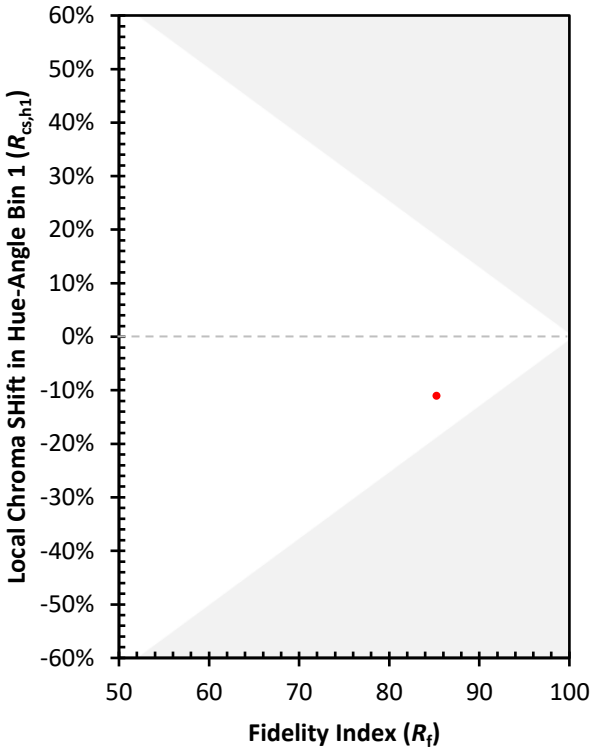
Measure Comparisons





(END OF REPORT)