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: P1449798

Luminaire Tested: **AXCS5A-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:	P1449798
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2310-196-1)
Test Lab:	INNOVATION CENTER
Issue Date:	5/12/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	AXCS5A-W
Description:	5A AXCENT LED FULL CUTOFF WALLPACK WITH 3000K 80CRI LEDS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5365 lumens
Efficiency:	N/A
Efficacy:	120.3 lumens/watt
Luminous Opening:	Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G1

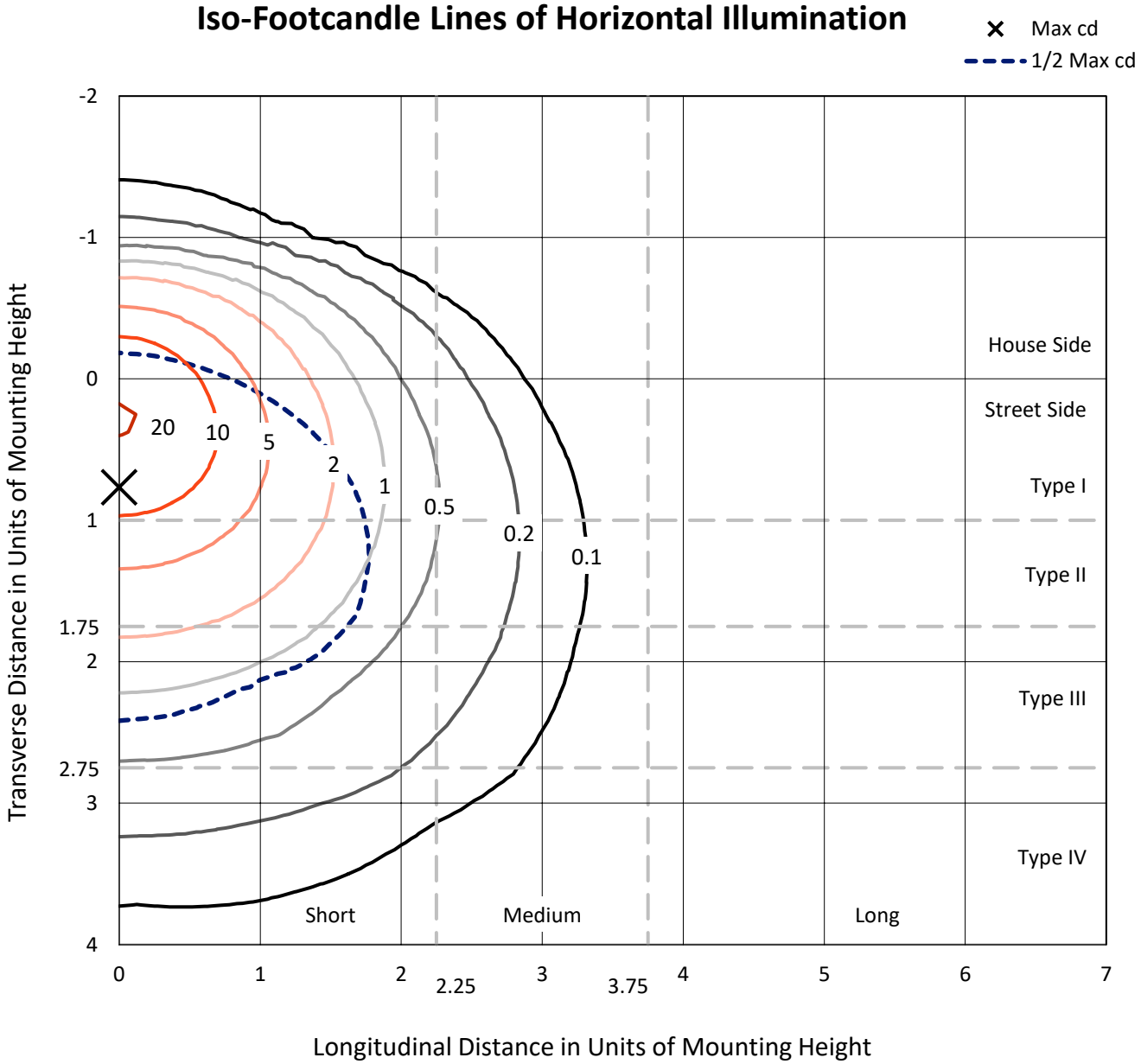
Input Watts (W):	44.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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

Scaled Data Report

REPORT NUMBER: P1449798
CATALOG NUMBER: AXCS5A-W

Iso-Footcandle Lines of Horizontal Illumination



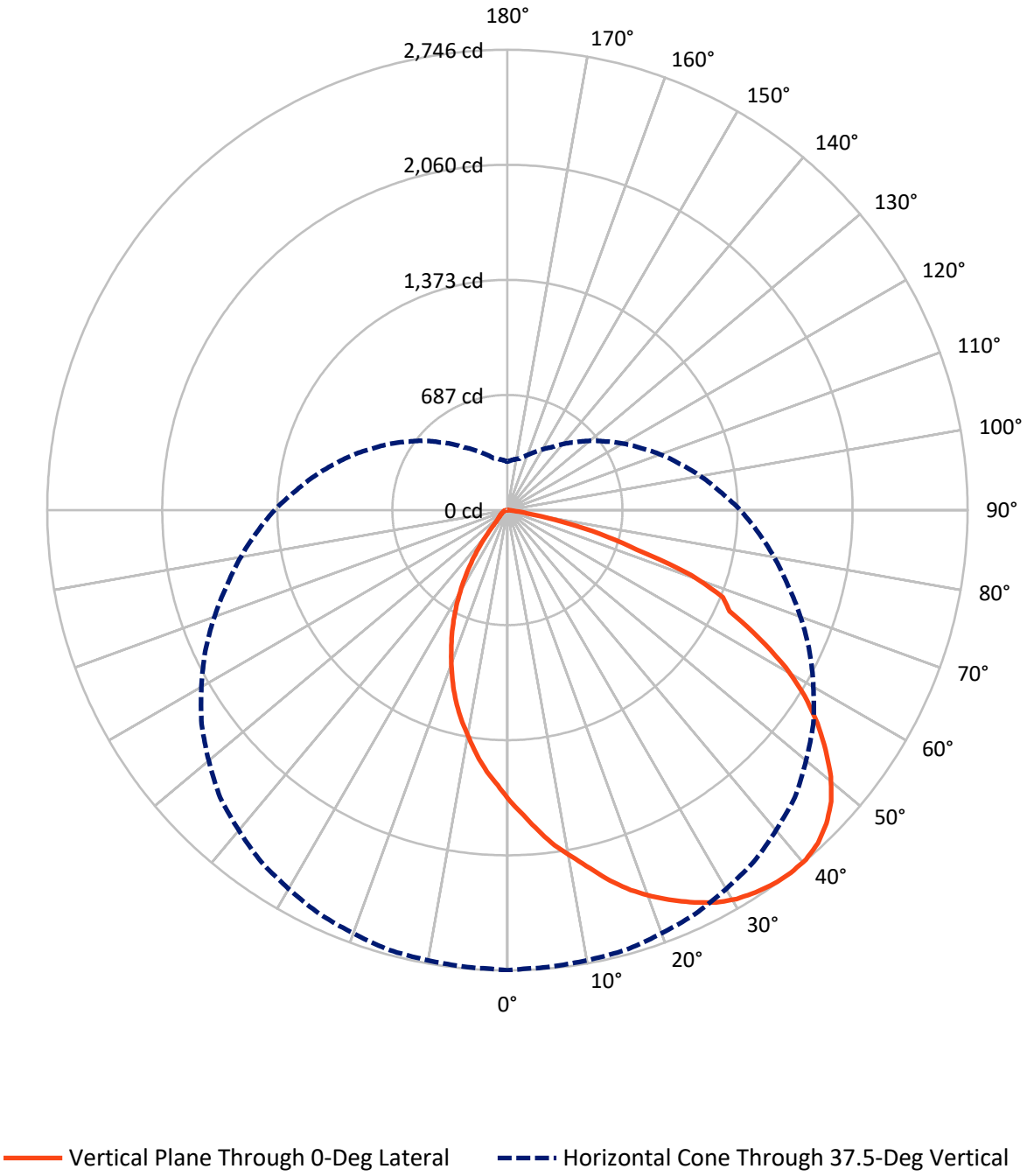
Based on 10 foot mounting height. Maximum calculated value = 20.6 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1449798
CATALOG NUMBER: AXCS5A-W

Luminous Intensity Polar Plot



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

Scaled Data Report

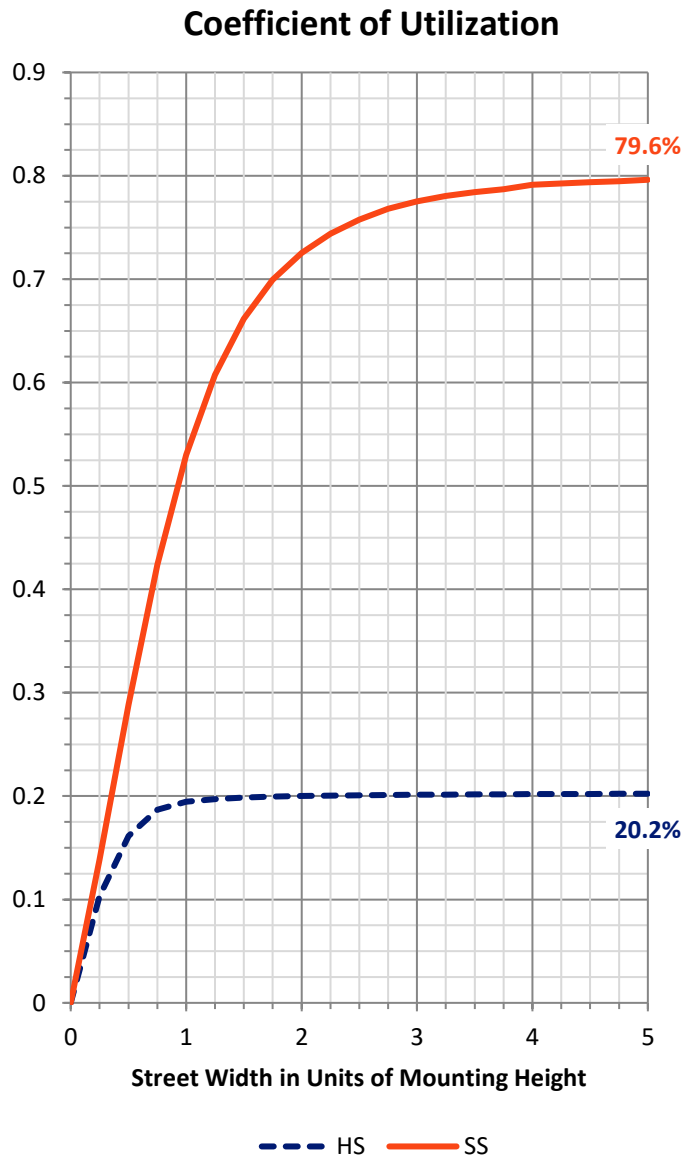
REPORT NUMBER: P1449798
CATALOG NUMBER: AXCS5A-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.9	0.0	1095.9
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	4269.1	0.0	4269.1
	% Fixture	79.6	0.0	79.6
Total	Lumens	5365.0	0.0	5365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	3.1
10°-20°	485.1	9.0
20°-30°	759.1	14.1
30°-40°	947.8	17.7
40°-50°	1019.6	19.0
50°-60°	946.4	17.6
60°-70°	697.9	13.0
70°-80°	315.8	5.9
80°-90°	27.9	0.5
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°	5365.0	100.0
0°-180°	5365.0	100.0



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

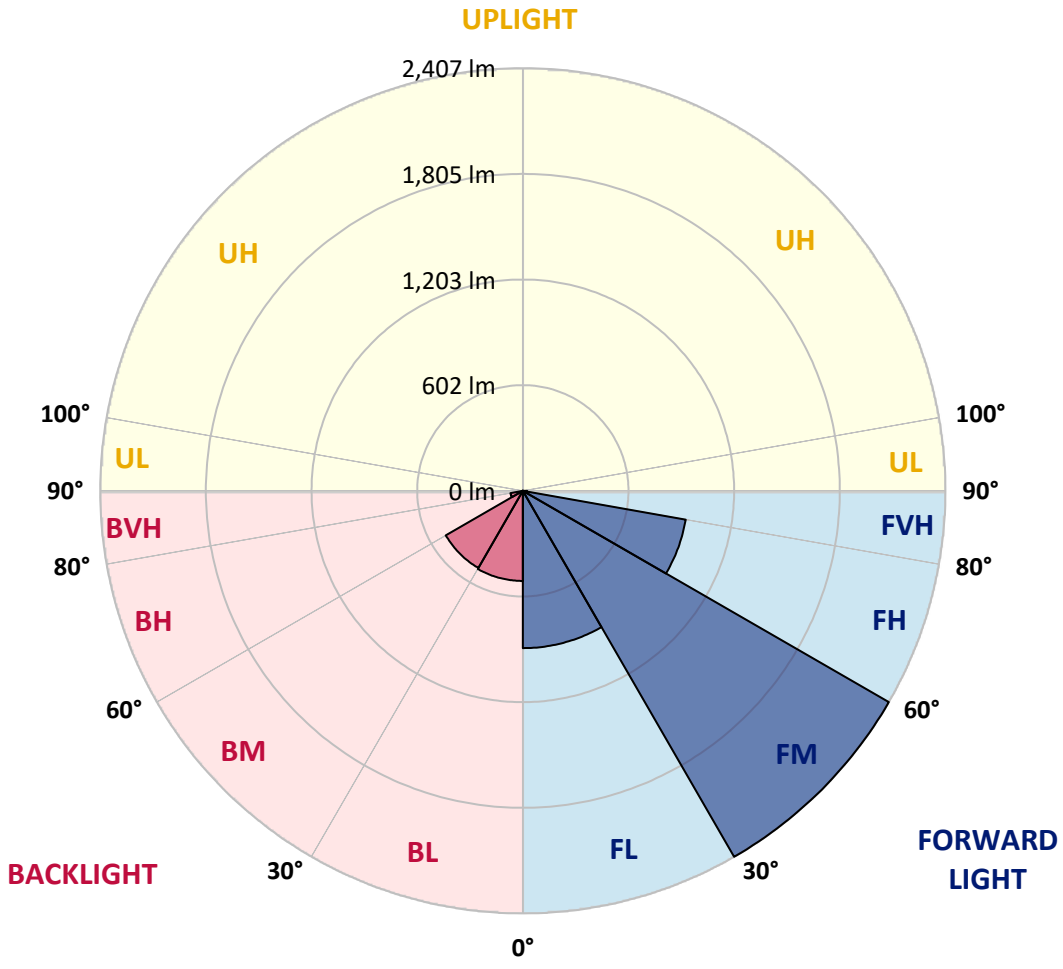
Scaled Data Report

REPORT NUMBER: P1449798
CATALOG NUMBER: AXCS5A-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	896.1	16.7			
FM	(30°-60°)	2406.9	44.9			
FH	(60°-80°)	942.3	17.6			G1/1800
FVH	(80°-90°)	23.8	0.4			G1/100
BL	(0°-30°)	513.4	9.6	B2/1000		
BM	(30°-60°)	506.9	9.4	B1/1000		
BH	(60°-80°)	71.5	1.3	B0/110		G0/110
BVH	(80°-90°)	4.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1449798
CATALOG NUMBER: AXCS5A-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3
2.5°	1822.4	1817.6	1819.5	1817.6	1805.9	1798.2	1792.4	1777.9	1761.4	1748.9	1747.9
5°	1921.1	1918.2	1919.1	1915.2	1894.0	1879.5	1861.1	1832.1	1803.0	1775.0	1758.5
7.5°	2019.7	2016.8	2015.8	2004.2	1983.0	1956.8	1927.8	1884.3	1838.8	1795.3	1763.4
10°	2101.9	2099.0	2097.1	2084.5	2054.5	2020.7	1980.1	1923.0	1861.1	1800.1	1753.7
12.5°	2192.9	2190.9	2189.0	2171.6	2134.8	2091.3	2038.1	1966.5	1890.1	1812.7	1748.9
15°	2294.4	2284.8	2287.7	2267.3	2224.8	2168.7	2102.9	2014.9	1924.0	1829.2	1748.9
17.5°	2383.4	2378.6	2377.6	2354.4	2302.2	2237.4	2158.0	2056.5	1948.1	1836.9	1739.2
20°	2460.8	2453.1	2455.0	2427.9	2371.8	2296.4	2206.4	2088.4	1963.6	1833.0	1717.9
22.5°	2528.5	2520.8	2522.7	2494.7	2432.8	2351.5	2249.0	2117.4	1975.2	1826.3	1694.7
25°	2593.3	2584.6	2586.6	2557.5	2495.6	2409.5	2297.3	2150.3	1987.8	1820.5	1672.5
27.5°	2651.4	2644.6	2645.6	2617.5	2554.6	2459.8	2339.9	2182.2	1999.4	1811.7	1647.3
30°	2693.0	2685.2	2688.1	2660.1	2596.2	2498.5	2372.8	2202.5	2003.3	1796.3	1614.4
32.5°	2719.1	2711.3	2711.3	2687.2	2623.3	2527.5	2397.0	2216.1	2001.3	1776.0	1576.7
35°	2738.4	2730.7	2732.6	2709.4	2646.5	2550.8	2416.3	2225.8	1997.5	1755.6	1539.9
37.5°	2746.2	2738.4	2737.5	2718.1	2657.2	2562.4	2425.0	2227.7	1988.8	1732.4	1499.3
40°	2742.3	2732.6	2732.6	2714.2	2655.2	2563.3	2423.1	2221.9	1975.2	1705.3	1453.8
42.5°	2717.1	2709.4	2710.4	2697.8	2640.7	2549.8	2410.5	2207.4	1954.9	1672.5	1406.5
45°	2668.8	2662.0	2662.0	2657.2	2606.9	2519.8	2384.4	2176.4	1921.1	1629.9	1348.4
47.5°	2599.1	2593.3	2593.3	2594.3	2551.7	2479.2	2345.7	2133.9	1879.5	1580.6	1283.6
50°	2501.4	2494.7	2496.6	2503.4	2472.4	2419.2	2290.6	2079.7	1826.3	1516.7	1209.1
52.5°	2377.6	2372.8	2375.7	2391.2	2370.8	2332.2	2214.1	2011.0	1755.6	1440.3	1129.8
55°	2245.1	2239.3	2242.2	2260.6	2254.8	2219.0	2115.5	1928.8	1666.7	1355.2	1041.8
57.5°	2091.3	2086.5	2084.5	2107.7	2115.5	2080.7	1997.5	1825.3	1566.1	1259.4	939.2
60°	1908.5	1902.7	1900.7	1929.8	1958.8	1941.4	1866.9	1705.3	1450.9	1149.1	833.8
62.5°	1688.9	1683.1	1695.7	1723.7	1773.1	1786.6	1709.2	1561.2	1320.4	1029.2	724.5
65°	1456.7	1451.9	1459.7	1485.8	1544.8	1598.9	1532.2	1388.1	1178.2	897.7	609.4
67.5°	1387.1	1382.3	1377.4	1359.1	1322.3	1364.9	1345.5	1218.8	1016.6	770.0	502.0
70°	1162.7	1155.9	1177.2	1222.7	1284.6	1161.7	1126.9	1037.9	855.1	625.8	400.5
72.5°	806.7	803.8	806.7	829.0	889.9	1070.8	919.9	842.5	683.9	493.3	299.9
75°	572.6	563.9	588.1	657.8	703.2	668.4	771.9	638.4	518.5	363.7	212.8
77.5°	329.8	327.9	332.8	329.8	330.8	447.9	460.4	519.4	351.1	247.6	141.2
80°	121.9	119.0	129.6	149.0	175.1	214.7	207.0	268.9	227.3	147.0	81.3
82.5°	33.9	32.9	34.8	37.7	43.5	57.1	79.3	99.6	96.7	69.6	37.7
85°	14.5	14.5	15.5	15.5	17.4	20.3	22.2	29.0	28.1	21.3	14.5
87.5°	2.9	3.9	3.9	3.9	3.9	4.8	4.8	6.8	6.8	5.8	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

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

Scaled Data Report

REPORT NUMBER: P1449798
CATALOG NUMBER: AXCS5A-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3	1735.3
2.5°	1742.1	1728.6	1700.5	1687.0	1674.4	1667.6	1655.0	1648.3	1639.6	1638.6	1642.5
5°	1745.0	1725.7	1681.2	1654.1	1629.9	1609.6	1590.2	1575.7	1563.2	1559.3	1565.1
7.5°	1741.1	1712.1	1655.0	1613.5	1577.7	1545.7	1515.8	1496.4	1477.1	1471.3	1477.1
10°	1724.7	1687.0	1616.4	1562.2	1513.8	1473.2	1433.5	1407.4	1384.2	1376.5	1381.3
12.5°	1710.2	1668.6	1583.5	1516.7	1456.7	1404.5	1358.1	1329.1	1299.1	1287.5	1293.3
15°	1702.4	1650.2	1552.5	1472.2	1399.7	1336.8	1282.6	1246.8	1212.0	1199.4	1202.4
17.5°	1683.1	1626.0	1511.9	1418.1	1333.9	1262.3	1199.4	1156.9	1116.3	1100.8	1103.7
20°	1654.1	1589.3	1462.6	1358.1	1261.4	1180.1	1109.5	1060.2	1014.7	996.3	999.2
22.5°	1623.1	1549.6	1411.3	1294.2	1187.8	1095.9	1016.6	962.5	912.2	891.8	894.7
25°	1593.1	1511.9	1361.0	1231.4	1115.3	1015.7	925.7	866.7	813.5	792.2	794.2
27.5°	1560.3	1473.2	1308.8	1167.5	1039.8	929.6	833.8	769.0	712.9	693.6	689.7
30°	1522.5	1427.7	1250.7	1097.9	959.6	840.6	738.0	668.4	610.4	584.2	584.2
32.5°	1478.0	1378.4	1188.8	1026.3	877.3	751.6	642.3	569.7	510.7	492.4	481.7
35°	1433.5	1326.2	1126.9	954.7	796.1	662.6	548.5	473.0	413.0	393.7	383.0
37.5°	*1389.0*	*1272.0*	*1065.0*	*876.4*	*712.9*	*571.7*	*456.6*	*380.1*	*319.2*	*298.9*	*288.3*
40°	1337.8	1214.0	998.3	798.0	627.8	483.6	367.6	290.2	230.2	208.0	198.3
42.5°	1282.6	1154.0	926.7	718.7	542.7	397.6	282.5	206.0	151.9	135.4	127.7
45°	1219.8	1087.2	851.2	638.4	458.5	314.4	201.2	136.4	101.6	93.8	90.9
47.5°	1150.1	1014.7	772.9	557.2	377.2	237.0	136.4	93.8	80.3	76.4	76.4
50°	1068.9	930.5	689.7	473.0	302.8	164.4	90.9	75.4	67.7	64.8	64.8
52.5°	982.8	844.5	604.6	391.8	227.3	107.4	73.5	63.8	58.0	56.1	56.1
55°	892.8	756.4	519.4	315.3	159.6	77.4	61.9	55.1	51.3	50.3	50.3
57.5°	795.1	667.4	436.3	246.7	103.5	63.8	53.2	48.4	45.5	44.5	44.5
60°	694.5	572.6	356.0	178.9	72.5	54.2	46.4	43.5	40.6	40.6	40.6
62.5°	593.0	480.7	278.6	120.9	58.0	46.4	41.6	38.7	36.8	35.8	35.8
65°	491.4	391.8	206.0	76.4	48.4	39.7	36.8	34.8	32.9	31.9	31.9
67.5°	394.7	306.6	146.1	54.2	39.7	34.8	31.9	31.0	29.0	28.1	28.1
70°	308.6	230.2	97.7	42.6	33.9	30.0	29.0	27.1	26.1	25.1	25.1
72.5°	226.3	164.4	60.0	33.9	28.1	26.1	25.1	23.2	22.2	22.2	22.2
75°	155.7	108.3	36.8	26.1	23.2	22.2	21.3	20.3	19.3	19.3	19.3
77.5°	100.6	66.7	26.1	20.3	18.4	18.4	17.4	16.4	16.4	16.4	16.4
80°	57.1	36.8	18.4	15.5	14.5	14.5	13.5	13.5	13.5	12.6	13.5
82.5°	28.1	18.4	12.6	10.6	10.6	10.6	10.6	9.7	9.7	9.7	9.7
85°	11.6	9.7	7.7	6.8	6.8	6.8	6.8	6.8	5.8	5.8	5.8
87.5°	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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

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

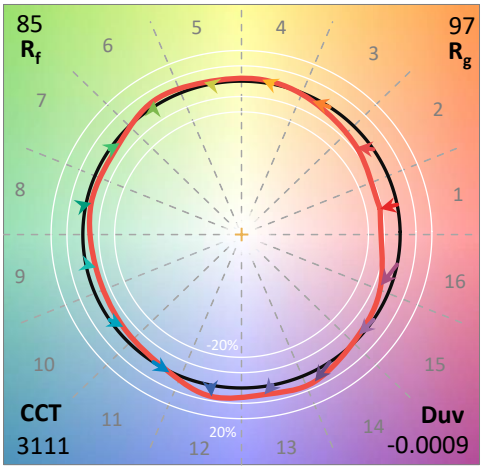
Test Information

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

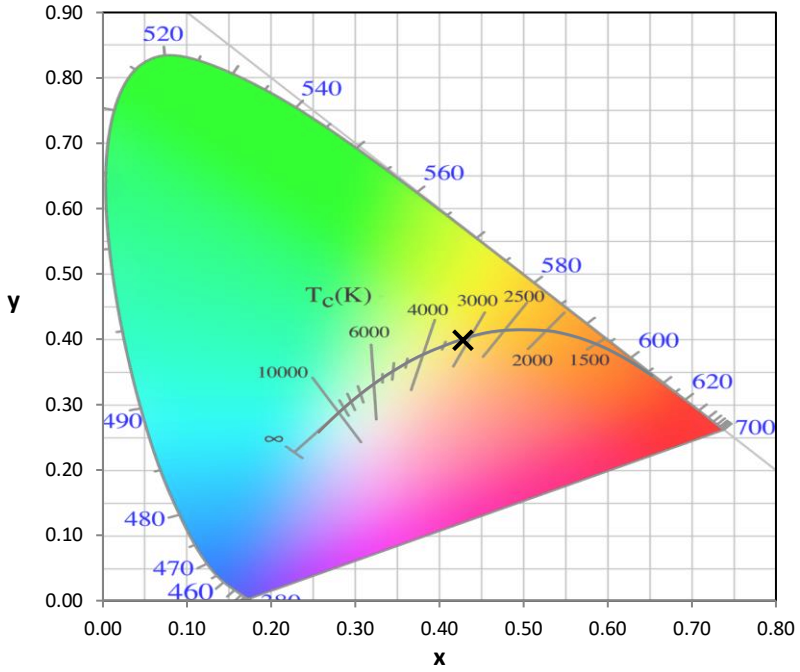
Stabilization Time:	52M
Operation Time:	1H 52M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2512-637-1

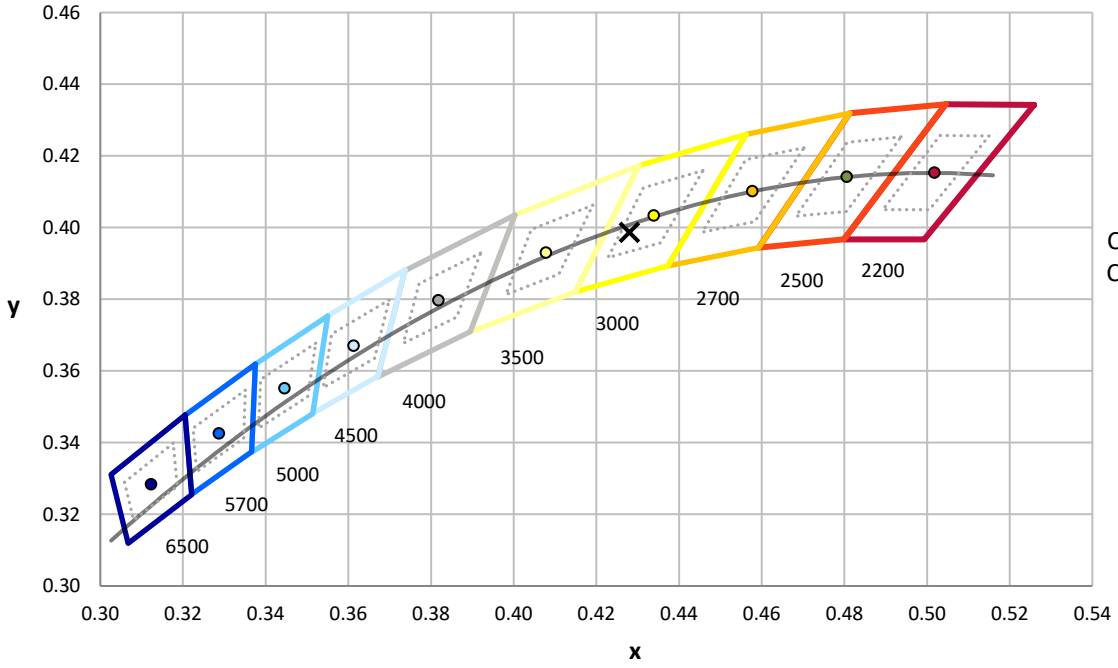
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

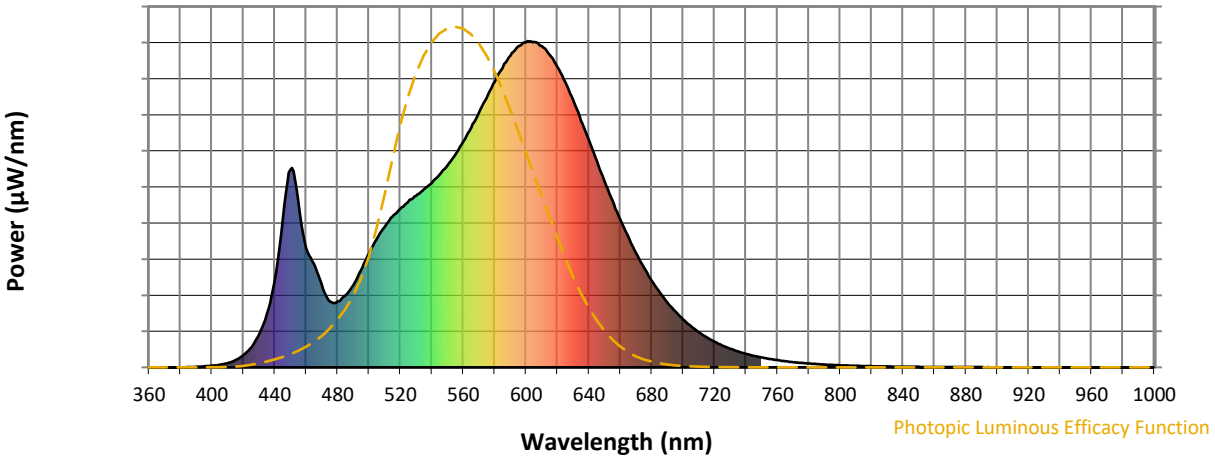


CCT = 3111K
CIE x = 0.4280
CIE y = 0.3986
Duv = -0.0009

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2512-637-1

Photopic Flux vs. Wavelength

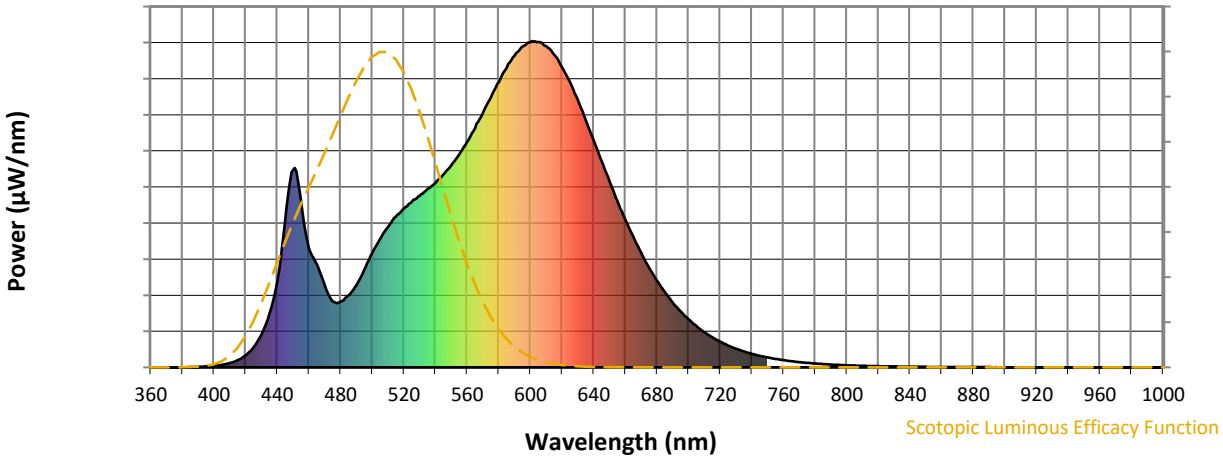


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2512-637-1

Scotopic Flux vs. Wavelength

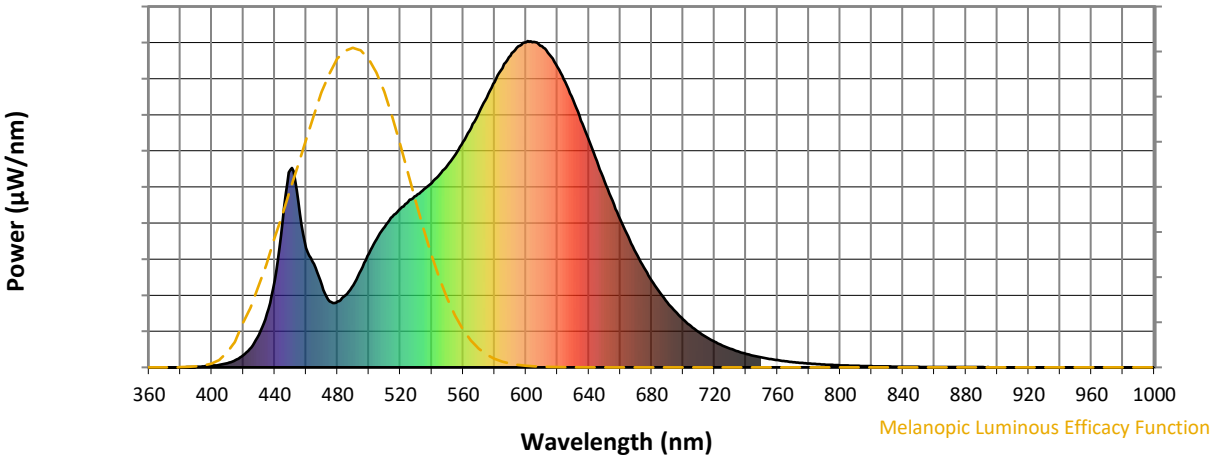


Scotopic Lumens: NR **S/P: 1.4**

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			

REPORT NUMBER: SP1-2512-637-1

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			

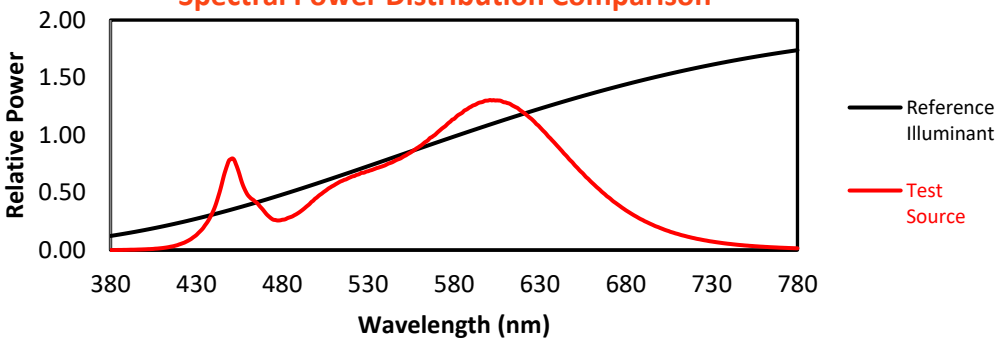
REPORT NUMBER: SP1-2512-637-1

TM-30-18

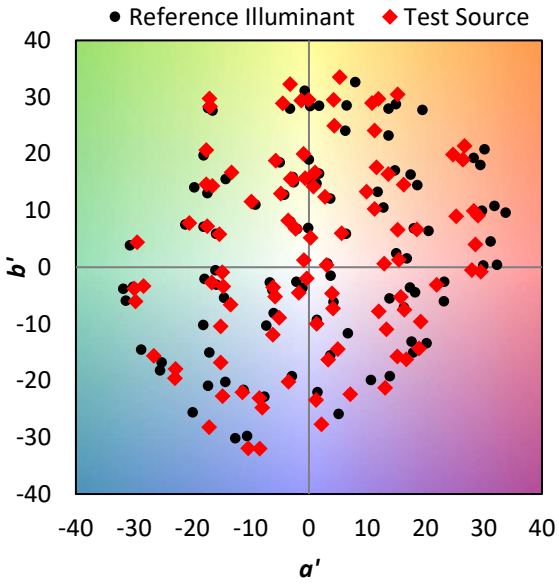
Summary

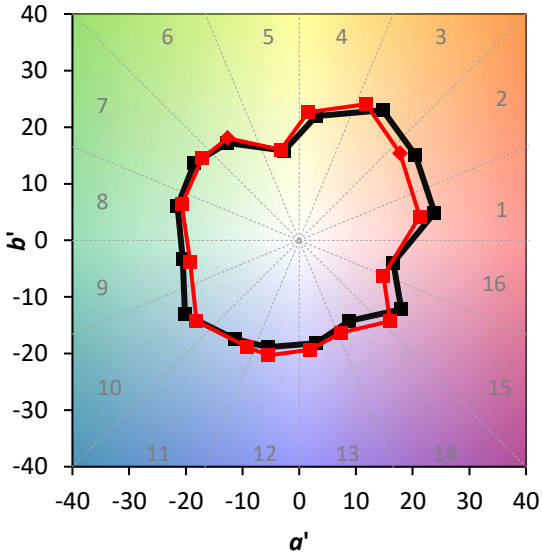
R_f = 85.3
R_g = 96.7
CIE R_a = 83.4
R_9 = 8.9

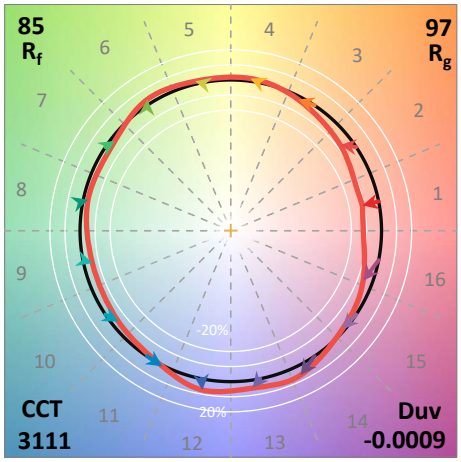
Spectral Power Distribution Comparison

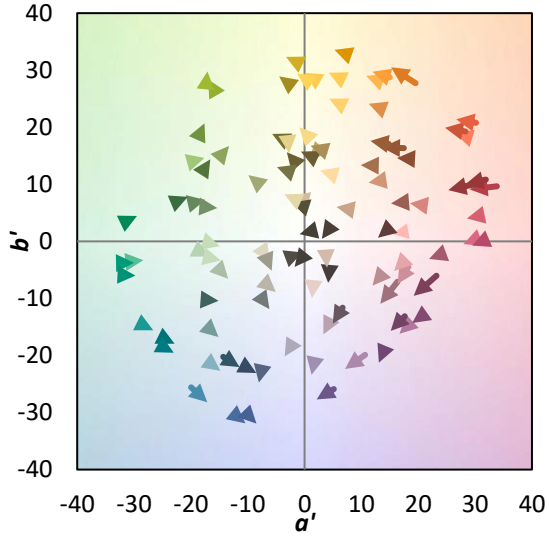


Color Vector Graphics







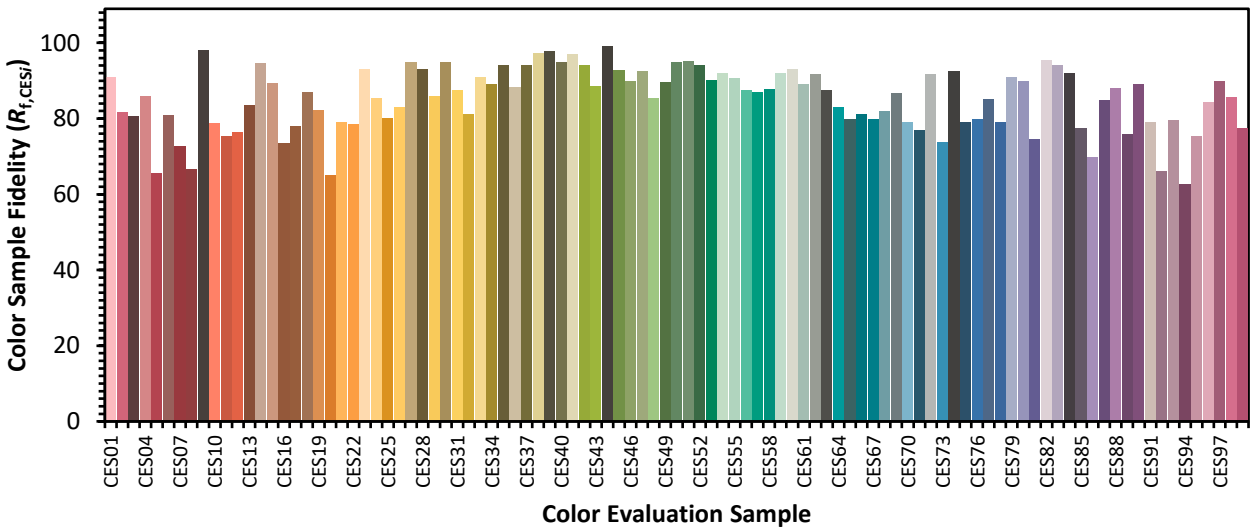


REPORT NUMBER: SP1-2512-637-1

TM-30-18

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

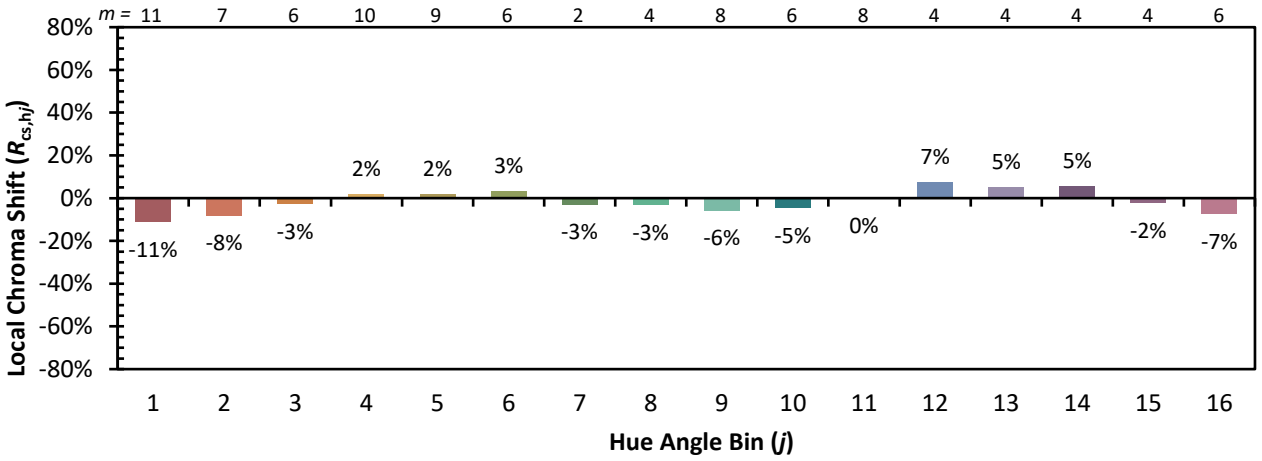
CES01 = 86	CES26 = 83	CES51 = 95	CES76 = 80
CES02 = 63	CES27 = 95	CES52 = 94	CES77 = 85
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 79
CES04 = 70	CES29 = 86	CES54 = 92	CES79 = 91
CES05 = 49	CES30 = 95	CES55 = 91	CES80 = 90
CES06 = 51	CES31 = 87	CES56 = 88	CES81 = 74
CES07 = 42	CES32 = 81	CES57 = 87	CES82 = 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	

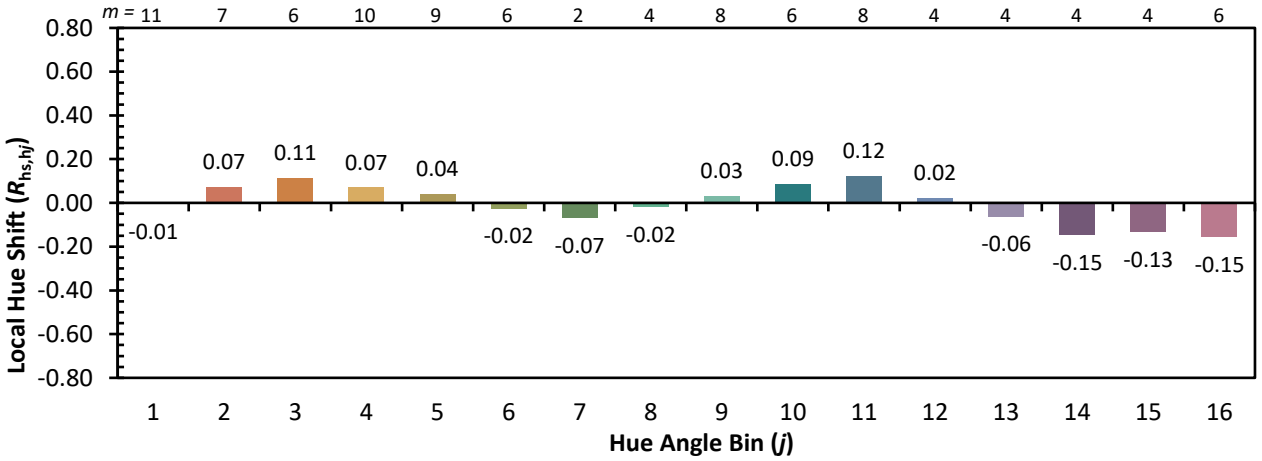


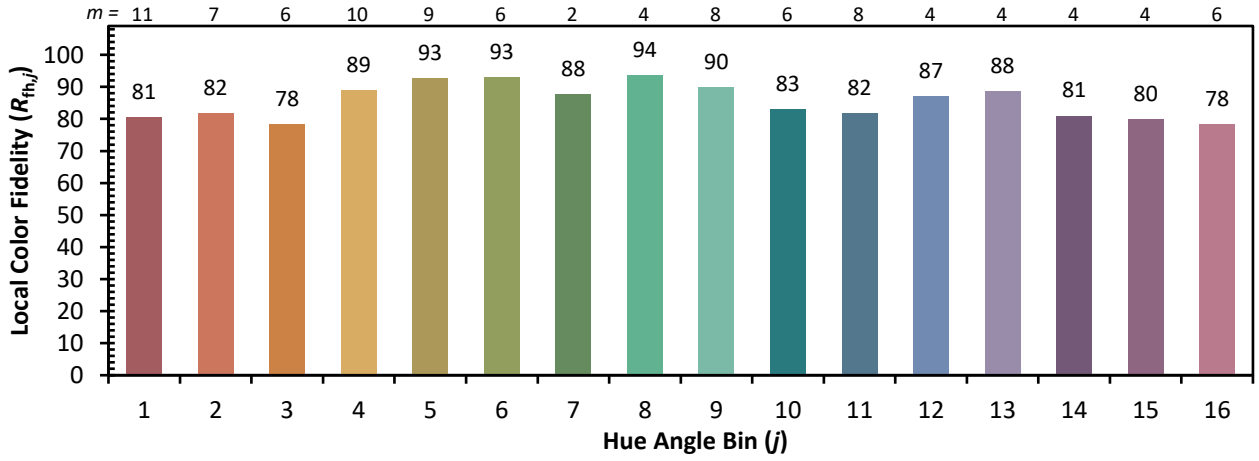
REPORT NUMBER: SP1-2512-637-1

TM-30-18

Color Rendition by Hue-Angle Bin



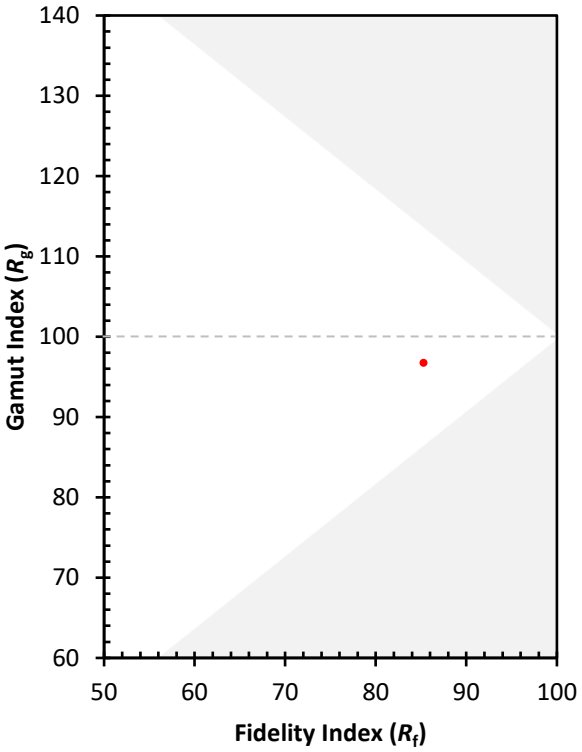


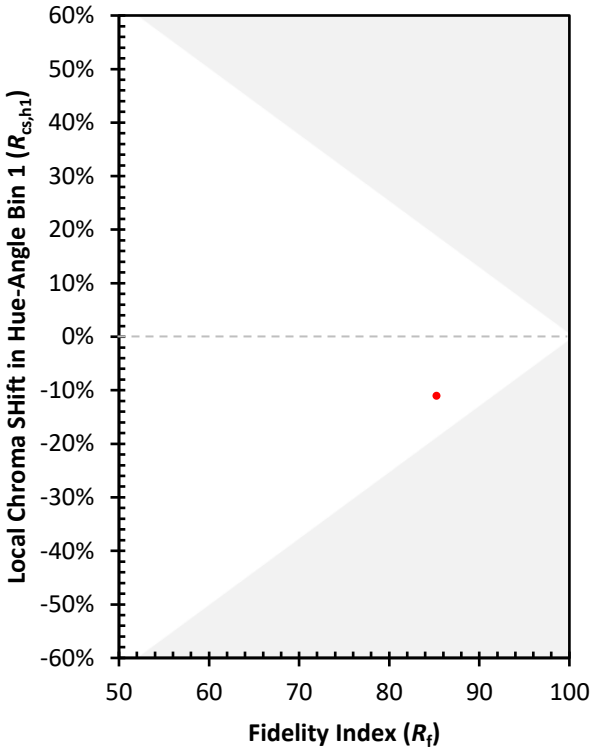


REPORT NUMBER: SP1-2512-637-1

TM-30-18

Measure Comparisons





(END OF REPORT)