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: P1449786

Luminaire Tested: **AXCS4A-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:	P1449786
	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:	AXCS4A-W
Description:	4A AXCENT LED FULL CUTOFF WALLPACK WITH 3000K 80CRI LEDS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4648 lumens
Efficiency:	N/A
Efficacy:	123.6 lumens/watt
Luminous Opening:	Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

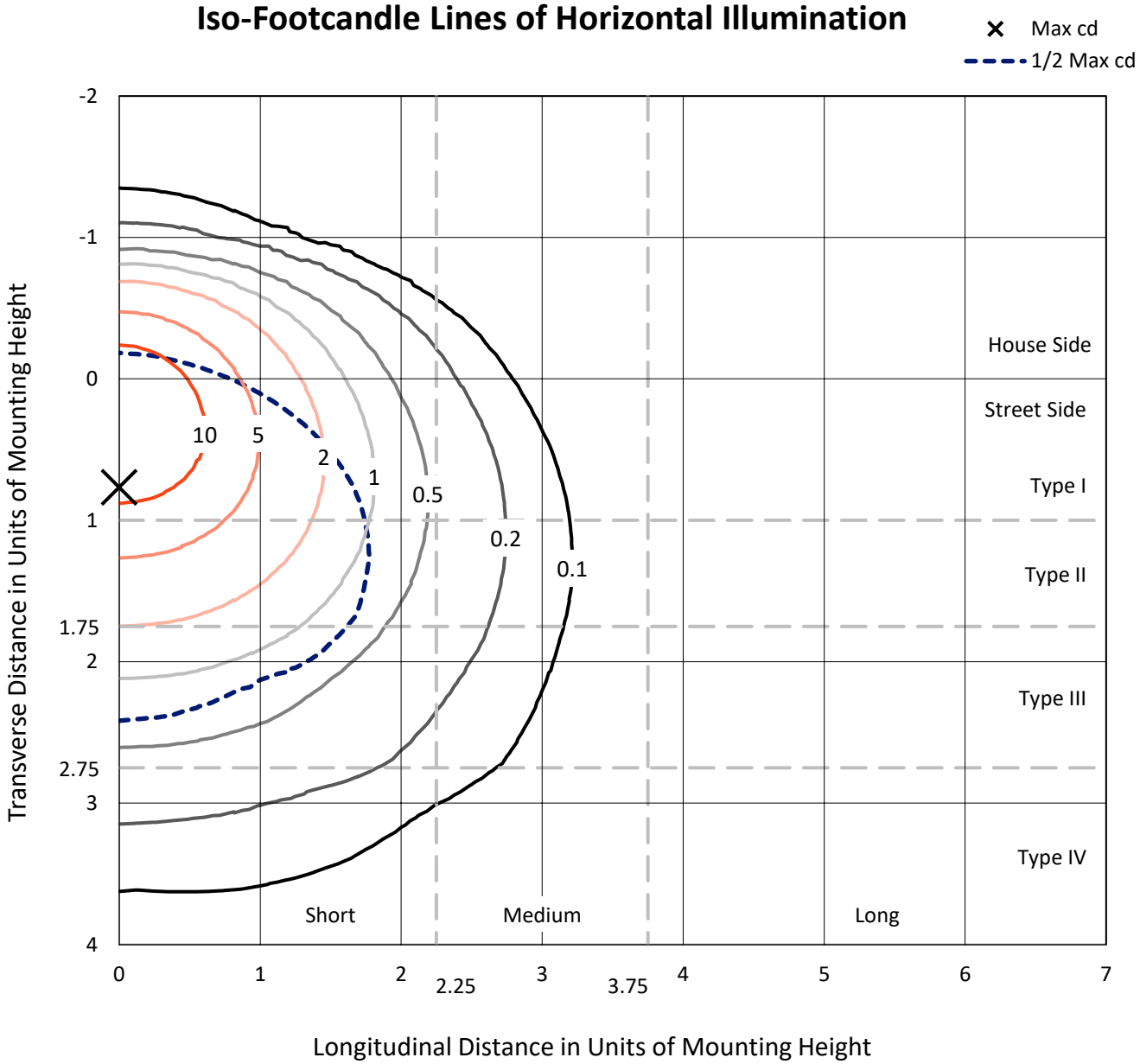
Input Watts (W):	37.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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

Scaled Data Report

REPORT NUMBER: P1449786
CATALOG NUMBER: AXCS4A-W

Iso-Footcandle Lines of Horizontal Illumination



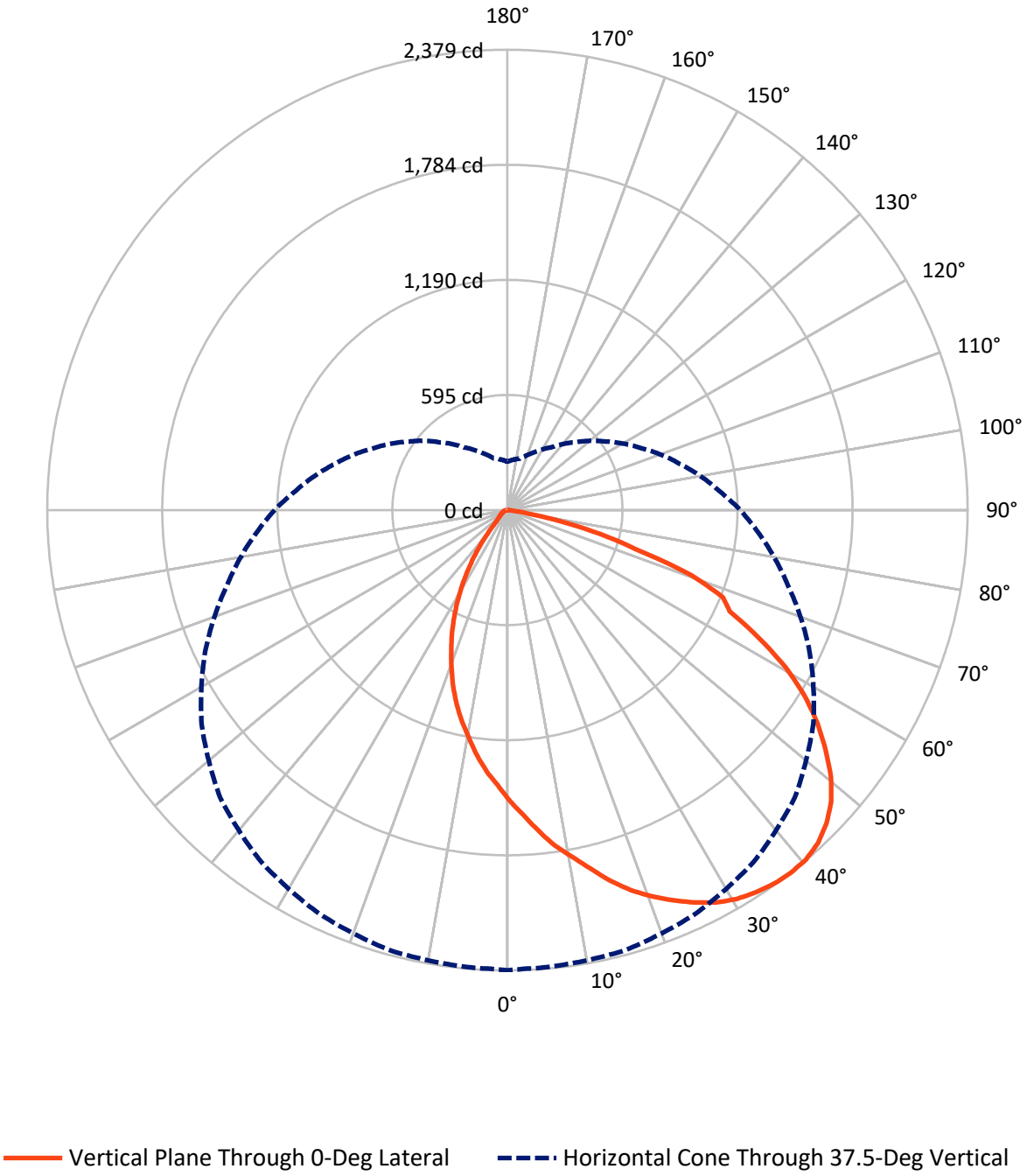
Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1449786
CATALOG NUMBER: AXCS4A-W

Luminous Intensity Polar Plot



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

Scaled Data Report

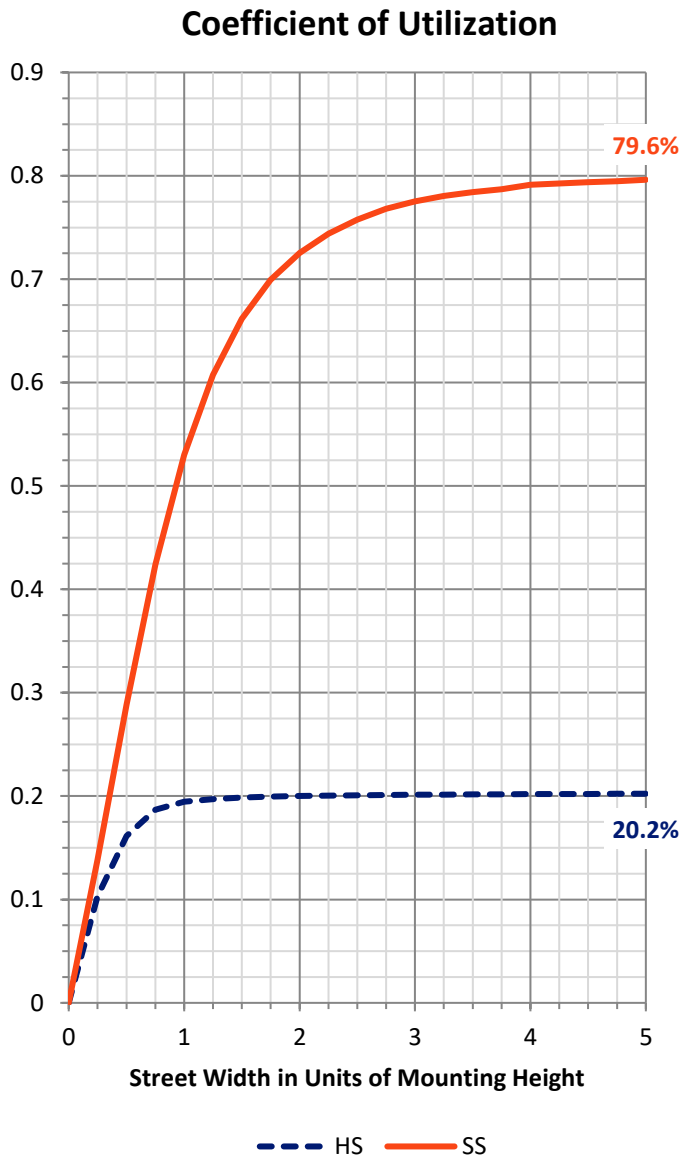
REPORT NUMBER: P1449786
CATALOG NUMBER: AXCS4A-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	949.5	0.0	949.5
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	3698.5	0.0	3698.5
	% Fixture	79.6	0.0	79.6
Total	Lumens	4648.0	0.0	4648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	3.1
10°-20°	420.3	9.0
20°-30°	657.7	14.1
30°-40°	821.1	17.7
40°-50°	883.4	19.0
50°-60°	819.9	17.6
60°-70°	604.6	13.0
70°-80°	273.6	5.9
80°-90°	24.2	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°	4648.0	100.0
0°-180°	4648.0	100.0



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

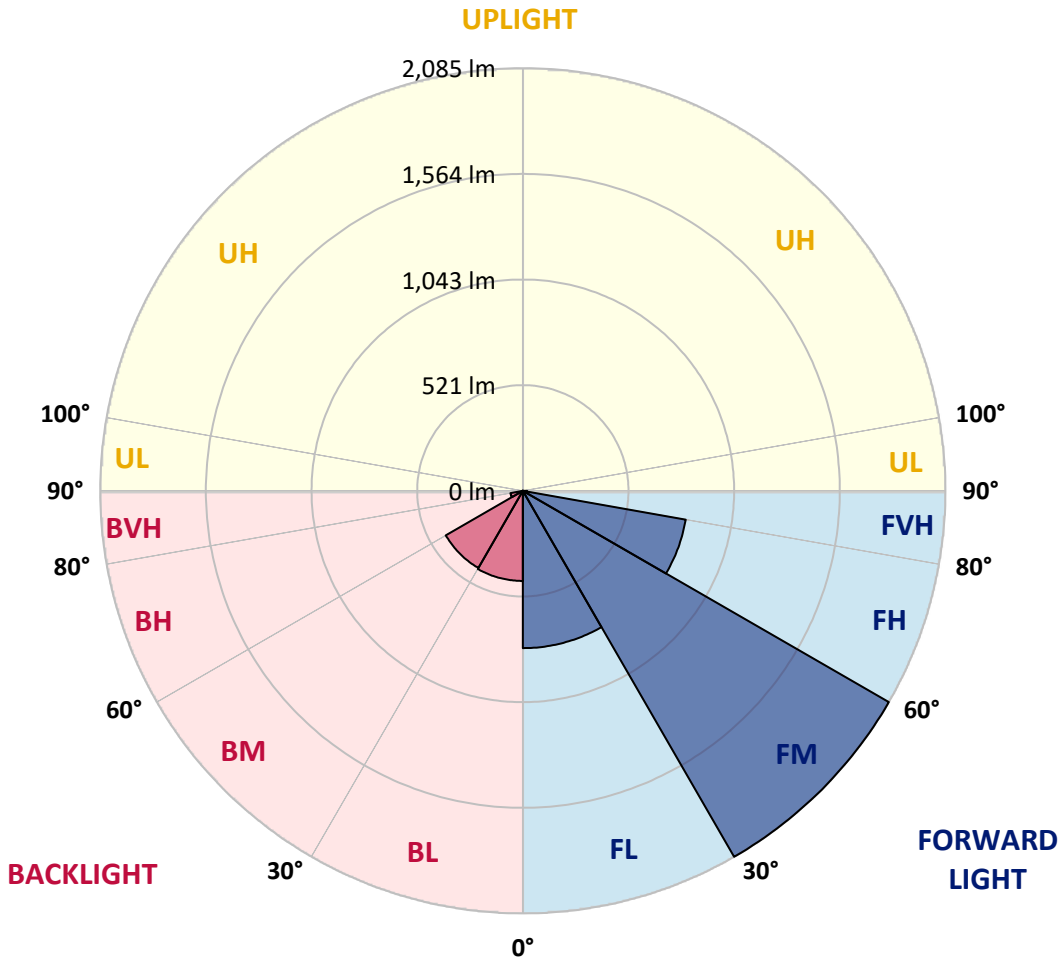
Scaled Data Report

REPORT NUMBER: P1449786
CATALOG NUMBER: AXCS4A-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	776.3	16.7			
FM	(30°-60°)	2085.2	44.9			
FH	(60°-80°)	816.4	17.6			G1/1800
FVH	(80°-90°)	20.6	0.4			G1/100
BL	(0°-30°)	444.8	9.6	B1/500		
BM	(30°-60°)	439.1	9.4	B1/1000		
BH	(60°-80°)	61.9	1.3	B0/110		G0/110
BVH	(80°-90°)	3.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1449786
CATALOG NUMBER: AXCS4A-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1578.8	1574.6	1576.3	1574.6	1564.6	1557.9	1552.9	1540.3	1526.0	1515.1	1514.3
5°	1664.3	1661.8	1662.6	1659.3	1640.9	1628.3	1612.4	1587.2	1562.1	1537.8	1523.5
7.5°	1749.8	1747.3	1746.4	1736.4	1717.9	1695.3	1670.2	1632.5	1593.1	1555.4	1527.7
10°	1821.0	1818.5	1816.8	1805.9	1780.0	1750.6	1715.4	1666.0	1612.4	1559.6	1519.3
12.5°	1899.8	1898.1	1896.4	1881.4	1849.5	1811.8	1765.7	1703.7	1637.5	1570.5	1515.1
15°	1987.8	1979.4	1981.9	1964.3	1927.5	1878.8	1821.9	1745.6	1666.8	1584.7	1515.1
17.5°	2064.9	2060.7	2059.9	2039.7	1994.5	1938.3	1869.6	1781.6	1687.8	1591.4	1506.8
20°	2131.9	2125.2	2126.9	2103.4	2054.8	1989.5	1911.5	1809.3	1701.2	1588.1	1488.3
22.5°	2190.6	2183.9	2185.6	2161.3	2107.6	2037.2	1948.4	1834.4	1711.2	1582.2	1468.2
25°	2246.7	2239.2	2240.9	2215.7	2162.1	2087.5	1990.3	1862.9	1722.1	1577.2	1448.9
27.5°	2297.0	2291.2	2292.0	2267.7	2213.2	2131.1	2027.2	1890.6	1732.2	1569.6	1427.2
30°	2333.1	2326.4	2328.9	2304.6	2249.3	2164.6	2055.7	1908.2	1735.5	1556.2	1398.7
32.5°	2355.7	2349.0	2349.0	2328.0	2272.7	2189.8	2076.6	1919.9	1733.9	1538.6	1366.0
35°	2372.4	2365.7	2367.4	2347.3	2292.8	2209.9	2093.4	1928.3	1730.5	1521.0	1334.1
37.5°	2379.1	2372.4	2371.6	2354.8	2302.1	2219.9	2100.9	1930.0	1723.0	1500.9	1298.9
40°	2375.8	2367.4	2367.4	2351.5	2300.4	2220.8	2099.2	1924.9	1711.2	1477.4	1259.5
42.5°	2354.0	2347.3	2348.1	2337.2	2287.8	2209.0	2088.4	1912.4	1693.6	1448.9	1218.5
45°	2312.1	2306.2	2306.2	2302.1	2258.5	2183.1	2065.7	1885.6	1664.3	1412.1	1168.2
47.5°	2251.8	2246.7	2246.7	2247.6	2210.7	2147.9	2032.2	1848.7	1628.3	1369.3	1112.1
50°	2167.1	2161.3	2162.9	2168.8	2142.0	2095.9	1984.4	1801.8	1582.2	1314.0	1047.5
52.5°	2059.9	2055.7	2058.2	2071.6	2054.0	2020.5	1918.2	1742.3	1521.0	1247.8	978.8
55°	1945.1	1940.0	1942.5	1958.5	1953.4	1922.4	1832.8	1671.0	1443.9	1174.1	902.6
57.5°	1811.8	1807.6	1805.9	1826.1	1832.8	1802.6	1730.5	1581.4	1356.8	1091.1	813.7
60°	1653.4	1648.4	1646.7	1671.9	1697.0	1681.9	1617.4	1477.4	1257.0	995.6	722.4
62.5°	1463.2	1458.2	1469.1	1493.4	1536.1	1547.8	1480.8	1352.6	1143.9	891.7	627.7
65°	1262.1	1257.9	1264.6	1287.2	1338.3	1385.3	1327.4	1202.6	1020.7	777.7	528.0
67.5°	1201.7	1197.5	1193.3	1177.4	1145.6	1182.5	1165.7	1055.9	880.8	667.1	434.9
70°	1007.3	1001.4	1019.9	1059.3	1112.9	1006.5	976.3	899.2	740.8	542.2	346.9
72.5°	698.9	696.4	698.9	718.2	771.0	927.7	797.0	729.9	592.5	427.4	259.8
75°	496.1	488.6	509.5	569.9	609.2	579.1	668.7	553.1	449.2	315.1	184.4
77.5°	285.8	284.1	288.3	285.8	286.6	388.0	398.9	450.0	304.2	214.5	122.4
80°	105.6	103.1	112.3	129.1	151.7	186.0	179.3	233.0	196.9	127.4	70.4
82.5°	29.3	28.5	30.2	32.7	37.7	49.4	68.7	86.3	83.8	60.3	32.7
85°	12.6	12.6	13.4	13.4	15.1	17.6	19.3	25.1	24.3	18.4	12.6
87.5°	2.5	3.4	3.4	3.4	3.4	4.2	4.2	5.9	5.9	5.0	4.2
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: P1449786
CATALOG NUMBER: AXCS4A-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4	1503.4
2.5°	1509.3	1497.5	1473.2	1461.5	1450.6	1444.8	1433.9	1428.0	1420.5	1419.6	1423.0
5°	1511.8	1495.0	1456.5	1433.0	1412.1	1394.5	1377.7	1365.1	1354.2	1350.9	1355.9
7.5°	1508.4	1483.3	1433.9	1397.8	1366.8	1339.2	1313.2	1296.4	1279.7	1274.6	1279.7
10°	1494.2	1461.5	1400.3	1353.4	1311.5	1276.3	1242.0	1219.3	1199.2	1192.5	1196.7
12.5°	1481.6	1445.6	1371.8	1314.0	1262.1	1216.8	1176.6	1151.4	1125.5	1115.4	1120.4
15°	1474.9	1429.7	1345.0	1275.5	1212.6	1158.1	1111.2	1080.2	1050.0	1039.1	1041.7
17.5°	1458.2	1408.7	1309.8	1228.5	1155.6	1093.6	1039.1	1002.3	967.1	953.7	956.2
20°	1433.0	1376.9	1267.1	1176.6	1092.8	1022.4	961.2	918.5	879.1	863.2	865.7
22.5°	1406.2	1342.5	1222.7	1121.3	1029.1	949.5	880.8	833.8	790.3	772.7	775.2
25°	1380.2	1309.8	1179.1	1066.8	966.2	879.9	802.0	750.9	704.8	686.3	688.0
27.5°	1351.7	1276.3	1133.8	1011.5	900.9	805.3	722.4	666.2	617.6	600.9	597.5
30°	1319.0	1236.9	1083.6	951.2	831.3	728.2	639.4	579.1	528.8	506.2	506.2
32.5°	1280.5	1194.2	1029.9	889.1	760.1	651.1	556.4	493.6	442.5	426.6	417.3
35°	1242.0	1148.9	976.3	827.1	689.7	574.0	475.2	409.8	357.8	341.1	331.9
37.5°	*1203.4*	*1102.0*	*922.7*	*759.2*	*617.6*	*495.3*	*395.5*	*329.3*	*276.5*	*258.9*	*249.7*
40°	1159.0	1051.7	864.8	691.4	543.9	419.0	318.4	251.4	199.4	180.2	171.8
42.5°	1111.2	999.8	802.8	622.7	470.1	344.4	244.7	178.5	131.6	117.3	110.6
45°	1056.7	941.9	737.5	553.1	397.2	272.4	174.3	118.2	88.0	81.3	78.8
47.5°	996.4	879.1	669.6	482.7	326.8	205.3	118.2	81.3	69.6	66.2	66.2
50°	926.0	806.2	597.5	409.8	262.3	142.5	78.8	65.4	58.7	56.1	56.1
52.5°	851.4	731.6	523.8	339.4	196.9	93.0	63.7	55.3	50.3	48.6	48.6
55°	773.5	655.3	450.0	273.2	138.3	67.0	53.6	47.8	44.4	43.6	43.6
57.5°	688.9	578.2	377.9	213.7	89.7	55.3	46.1	41.9	39.4	38.5	38.5
60°	601.7	496.1	308.4	155.0	62.9	46.9	40.2	37.7	35.2	35.2	35.2
62.5°	513.7	416.5	241.4	104.8	50.3	40.2	36.0	33.5	31.8	31.0	31.0
65°	425.7	339.4	178.5	66.2	41.9	34.4	31.8	30.2	28.5	27.7	27.7
67.5°	341.9	265.7	126.5	46.9	34.4	30.2	27.7	26.8	25.1	24.3	24.3
70°	267.3	199.4	84.6	36.9	29.3	26.0	25.1	23.5	22.6	21.8	21.8
72.5°	196.1	142.5	52.0	29.3	24.3	22.6	21.8	20.1	19.3	19.3	19.3
75°	134.9	93.9	31.8	22.6	20.1	19.3	18.4	17.6	16.8	16.8	16.8
77.5°	87.2	57.8	22.6	17.6	15.9	15.9	15.1	14.2	14.2	14.2	14.2
80°	49.4	31.8	15.9	13.4	12.6	12.6	11.7	11.7	11.7	10.9	11.7
82.5°	24.3	15.9	10.9	9.2	9.2	9.2	9.2	8.4	8.4	8.4	8.4
85°	10.1	8.4	6.7	5.9	5.9	5.9	5.9	5.9	5.0	5.0	5.0
87.5°	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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

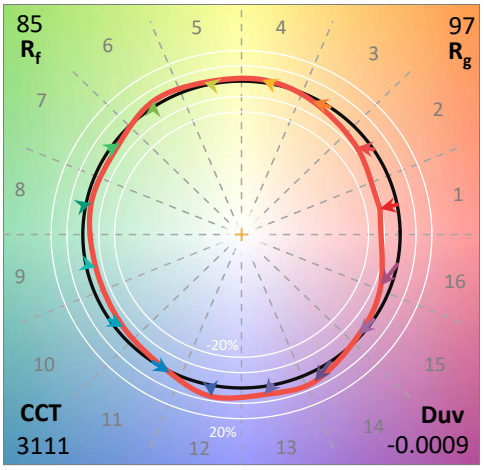
Test Information

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

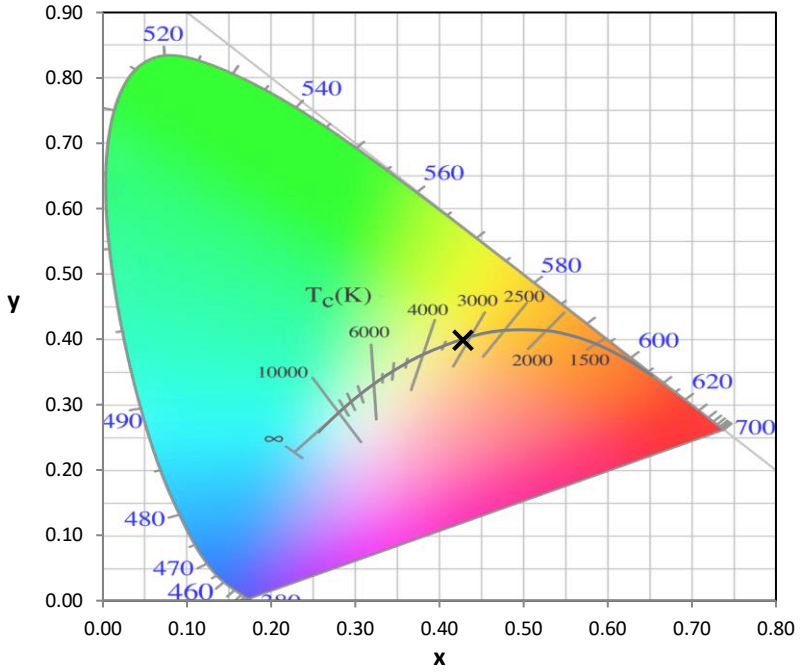
Stabilization Time:	52M
Operation Time:	1H 52M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2512-637-1

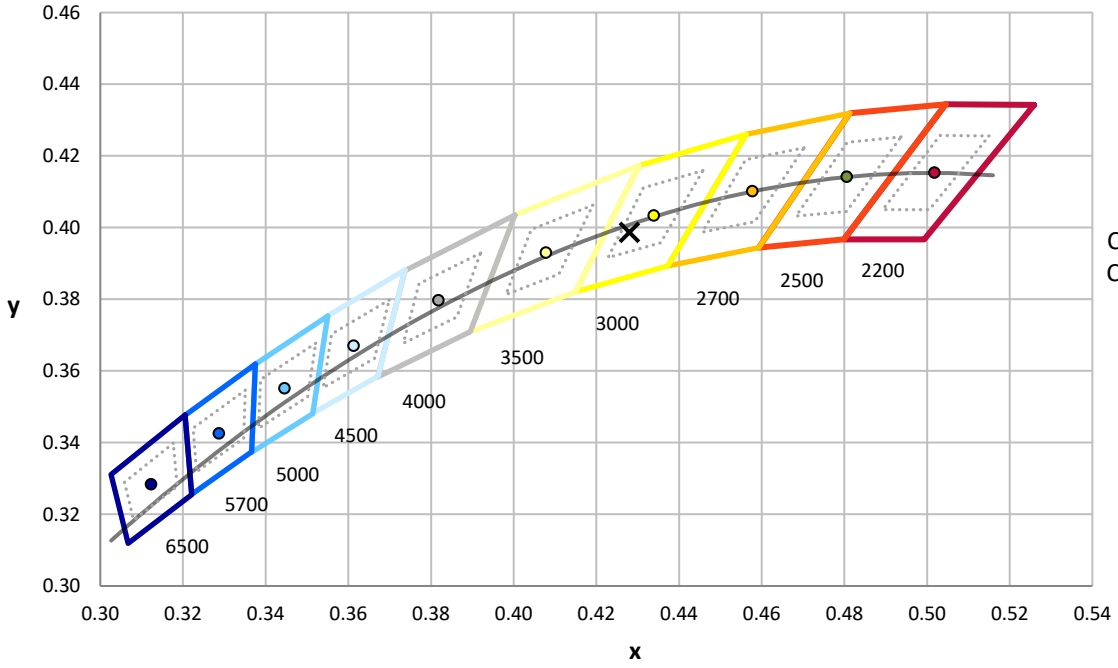
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

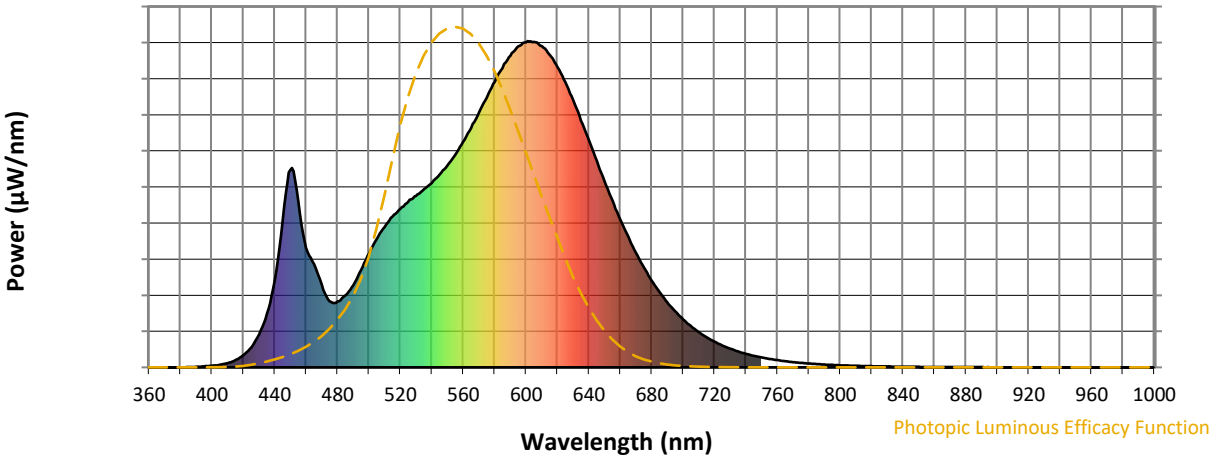


CCT = 3111K
CIE x = 0.4280
CIE y = 0.3986
Duv = -0.0009

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2512-637-1

Photopic Flux vs. Wavelength

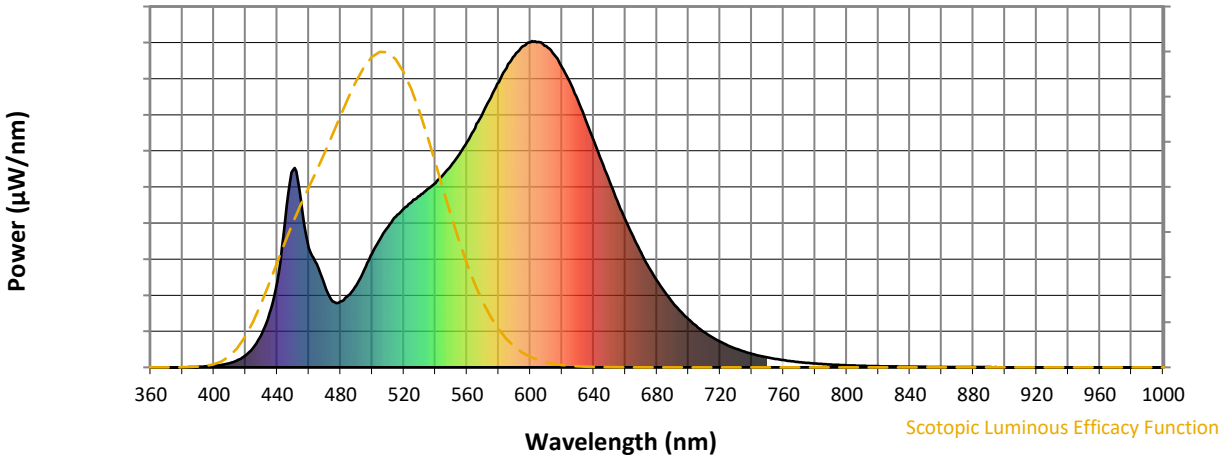


Photopic Lumens: NR

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

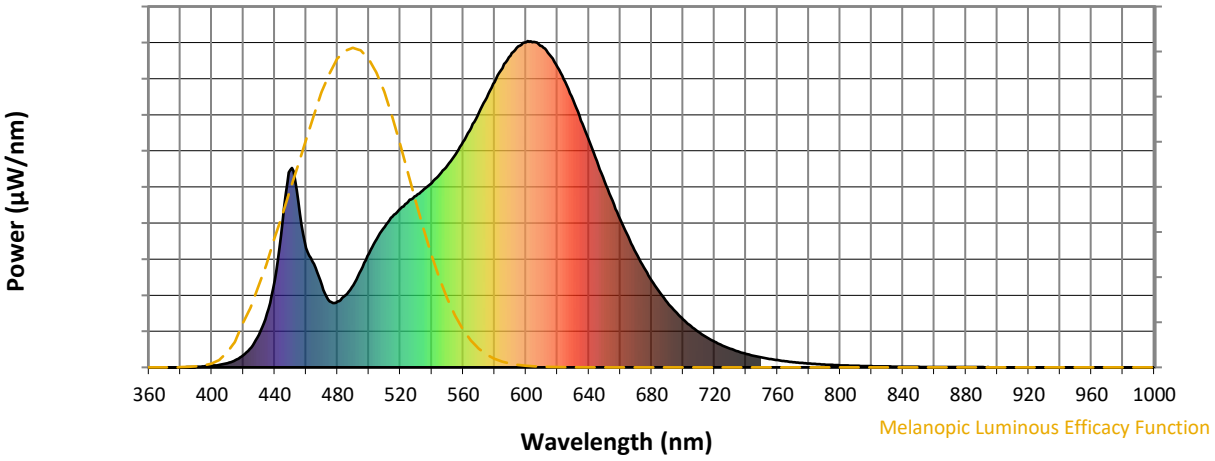


Scotopic Lumens: NR **S/P: 1.4**

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			

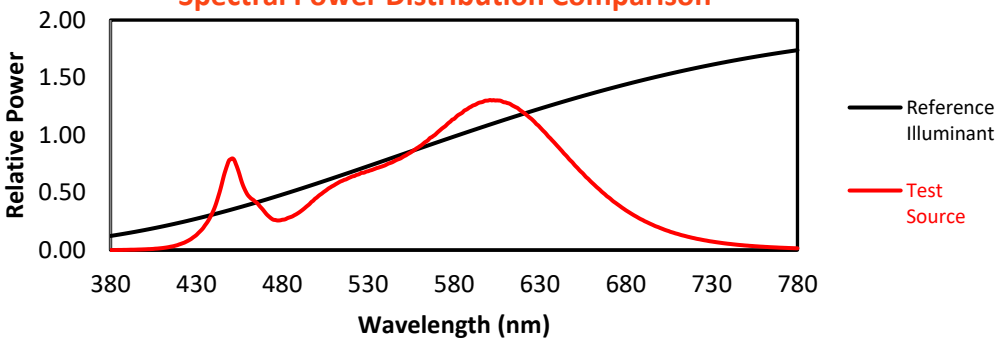
REPORT NUMBER: SP1-2512-637-1

TM-30-18

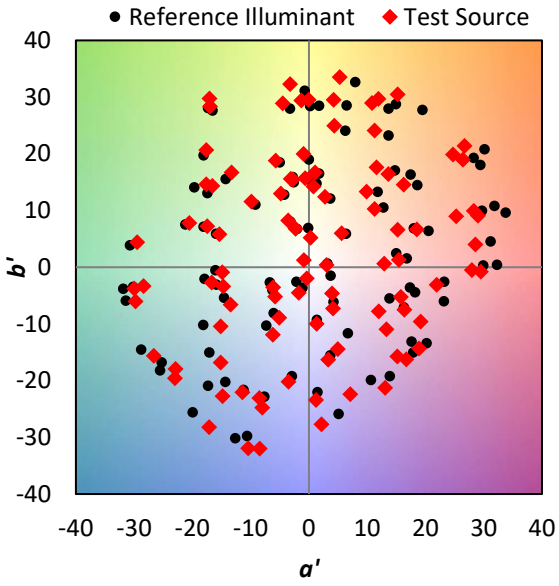
Summary

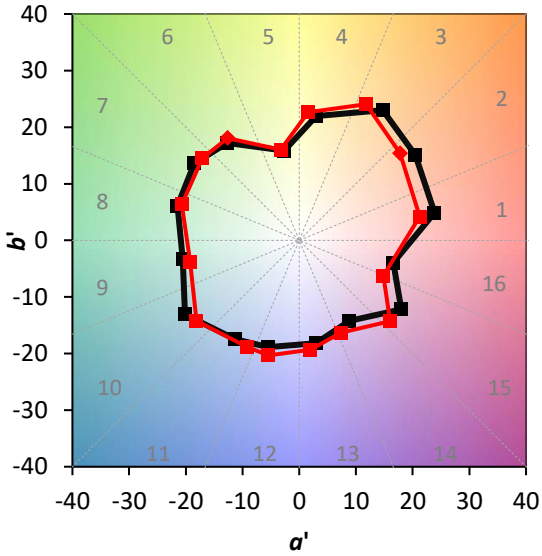
R_f = 85.3
R_g = 96.7
CIE R_a = 83.4
R_9 = 8.9

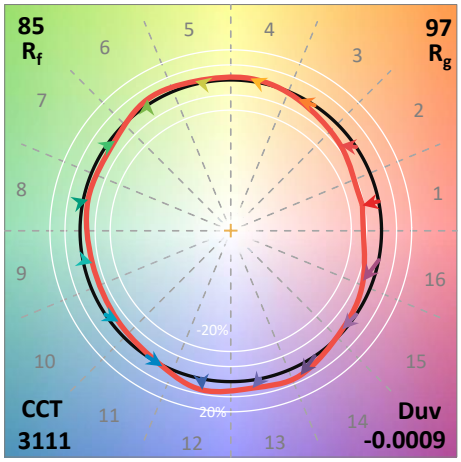
Spectral Power Distribution Comparison

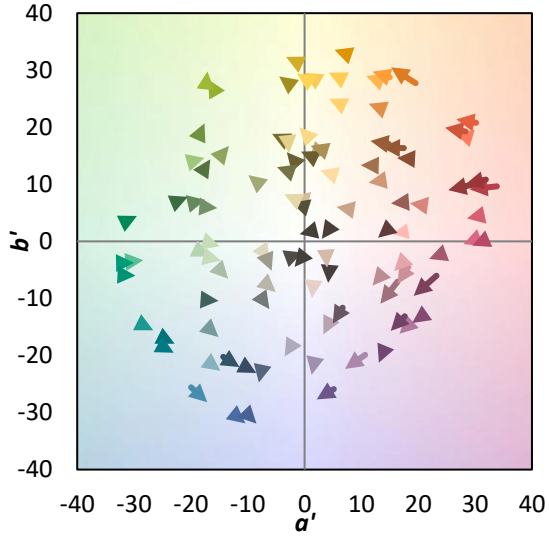


Color Vector Graphics







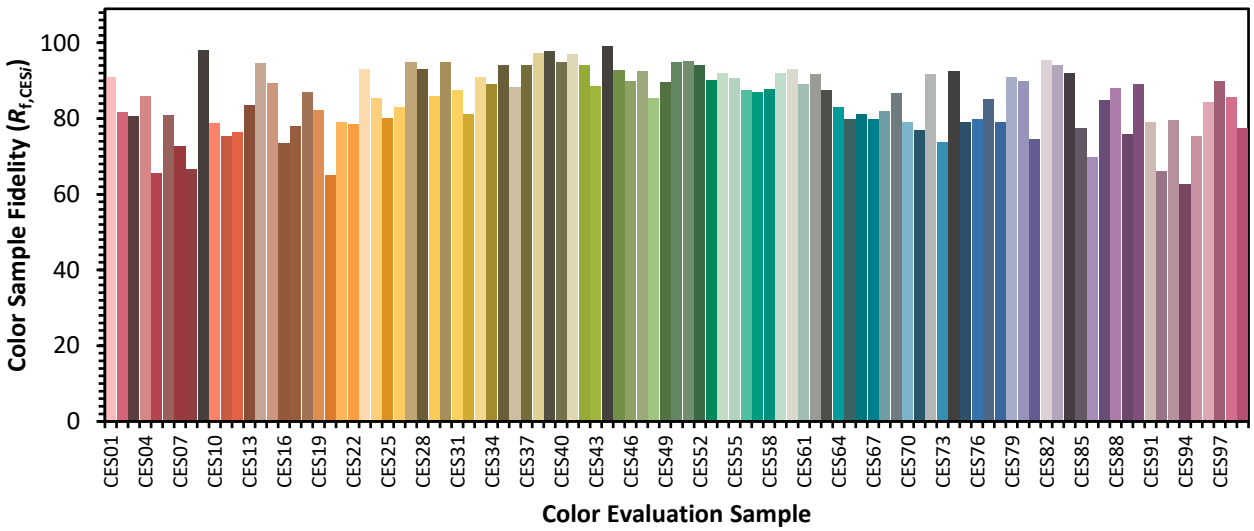


REPORT NUMBER: SP1-2512-637-1

TM-30-18

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

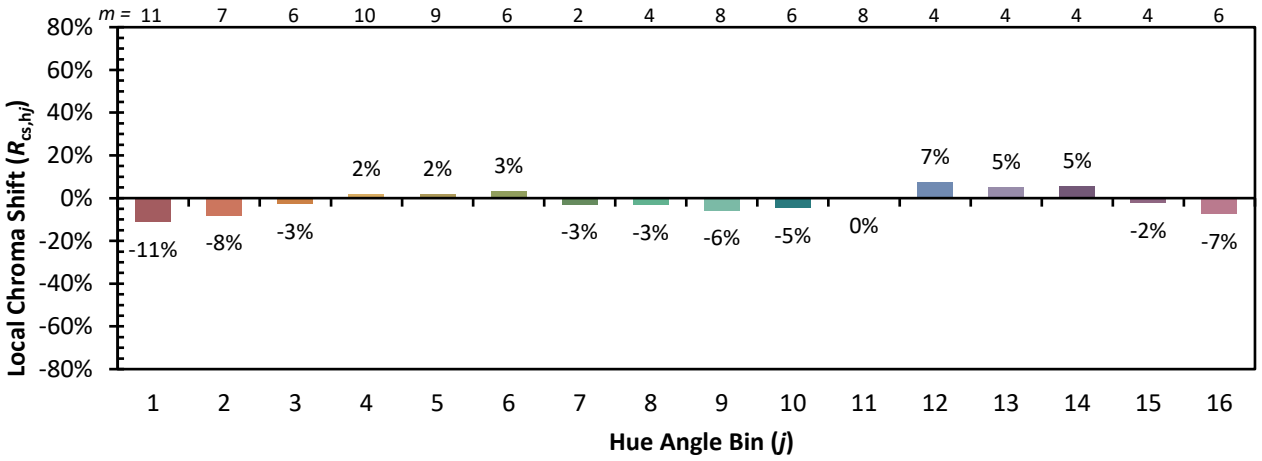
CES01 = 86	CES26 = 83	CES51 = 95	CES76 = 80
CES02 = 63	CES27 = 95	CES52 = 94	CES77 = 85
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 79
CES04 = 70	CES29 = 86	CES54 = 92	CES79 = 91
CES05 = 49	CES30 = 95	CES55 = 91	CES80 = 90
CES06 = 51	CES31 = 87	CES56 = 88	CES81 = 74
CES07 = 42	CES32 = 81	CES57 = 87	CES82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

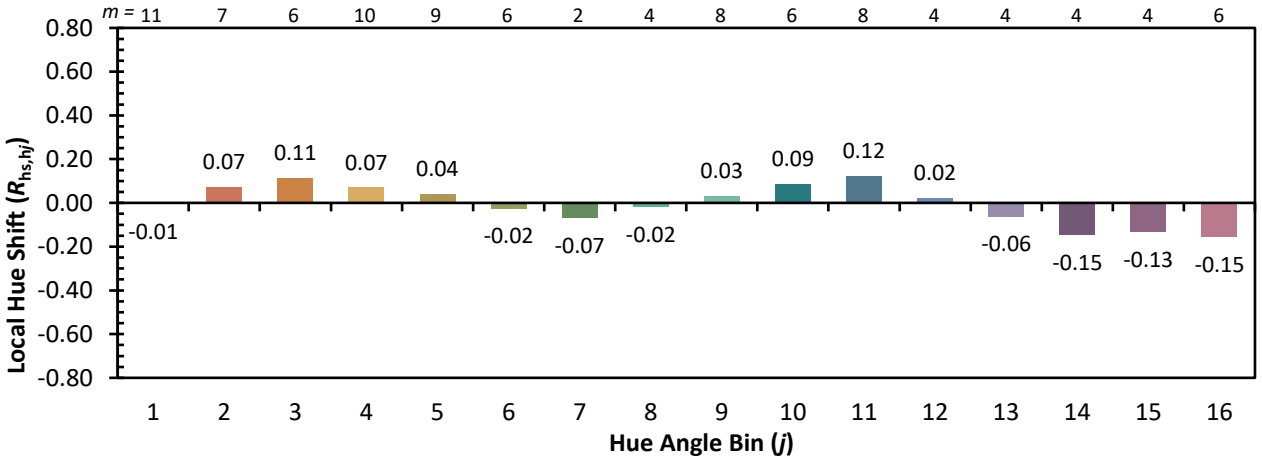


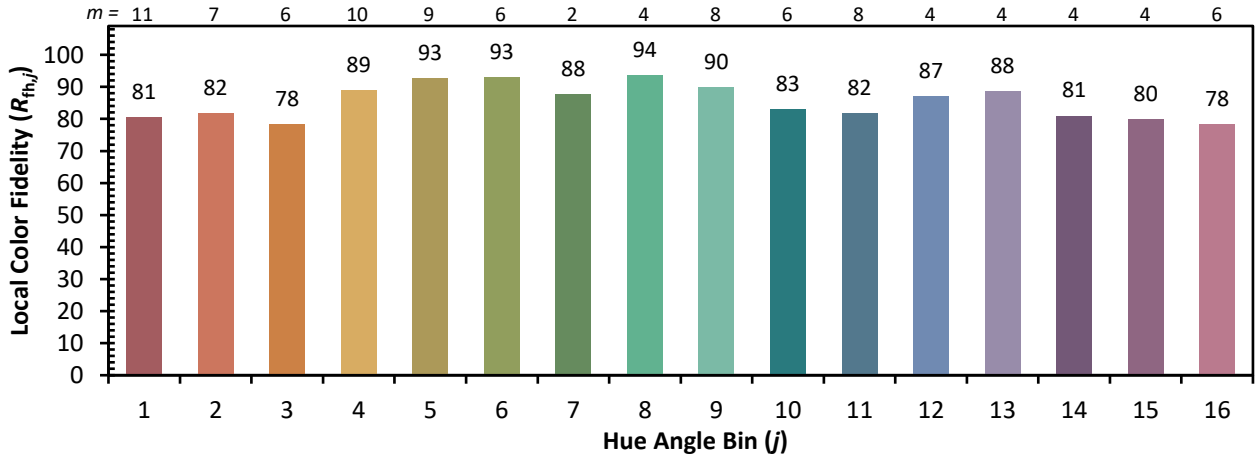
REPORT NUMBER: SP1-2512-637-1

TM-30-18

Color Rendition by Hue-Angle Bin



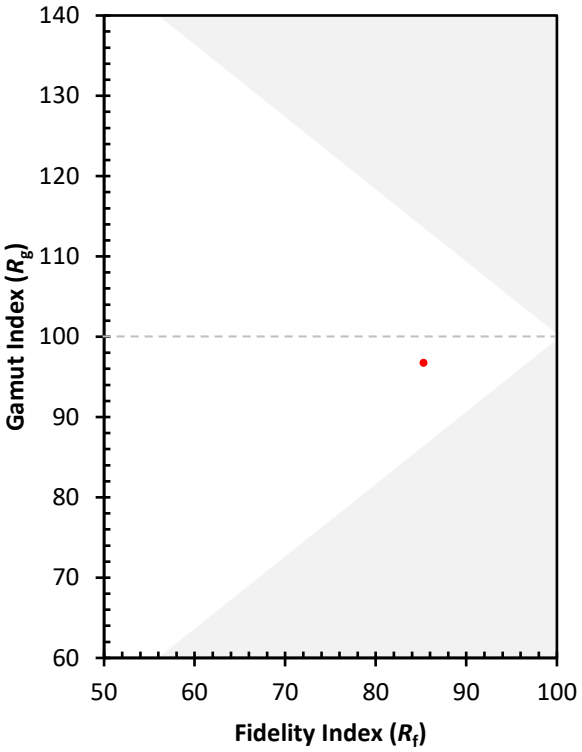


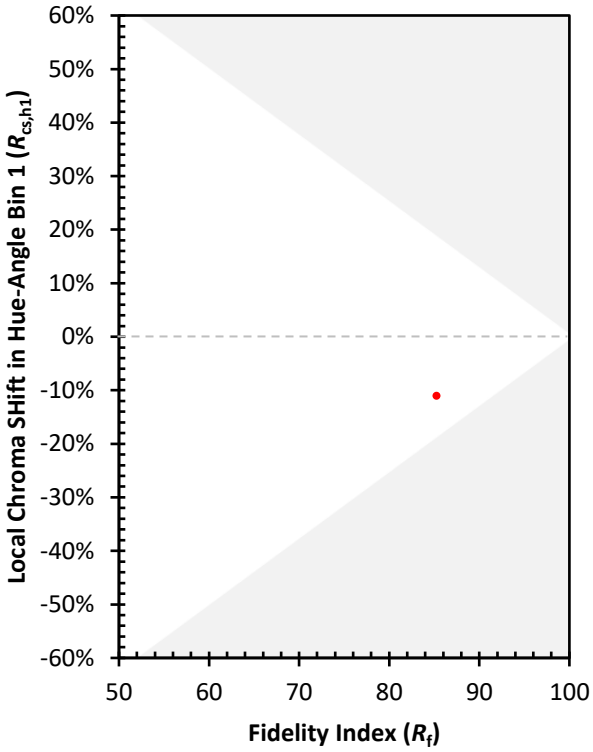


REPORT NUMBER: SP1-2512-637-1

TM-30-18

Measure Comparisons





(END OF REPORT)