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: P1449774

Luminaire Tested: **AXCS3A-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:	P1449774
	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:	AXCS3A-W
Description:	3A AXCENT LED FULL CUTOFF WALLPACK WITH 3000K 80CRI LEDS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3001 lumens
Efficiency:	N/A
Efficacy:	130.5 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

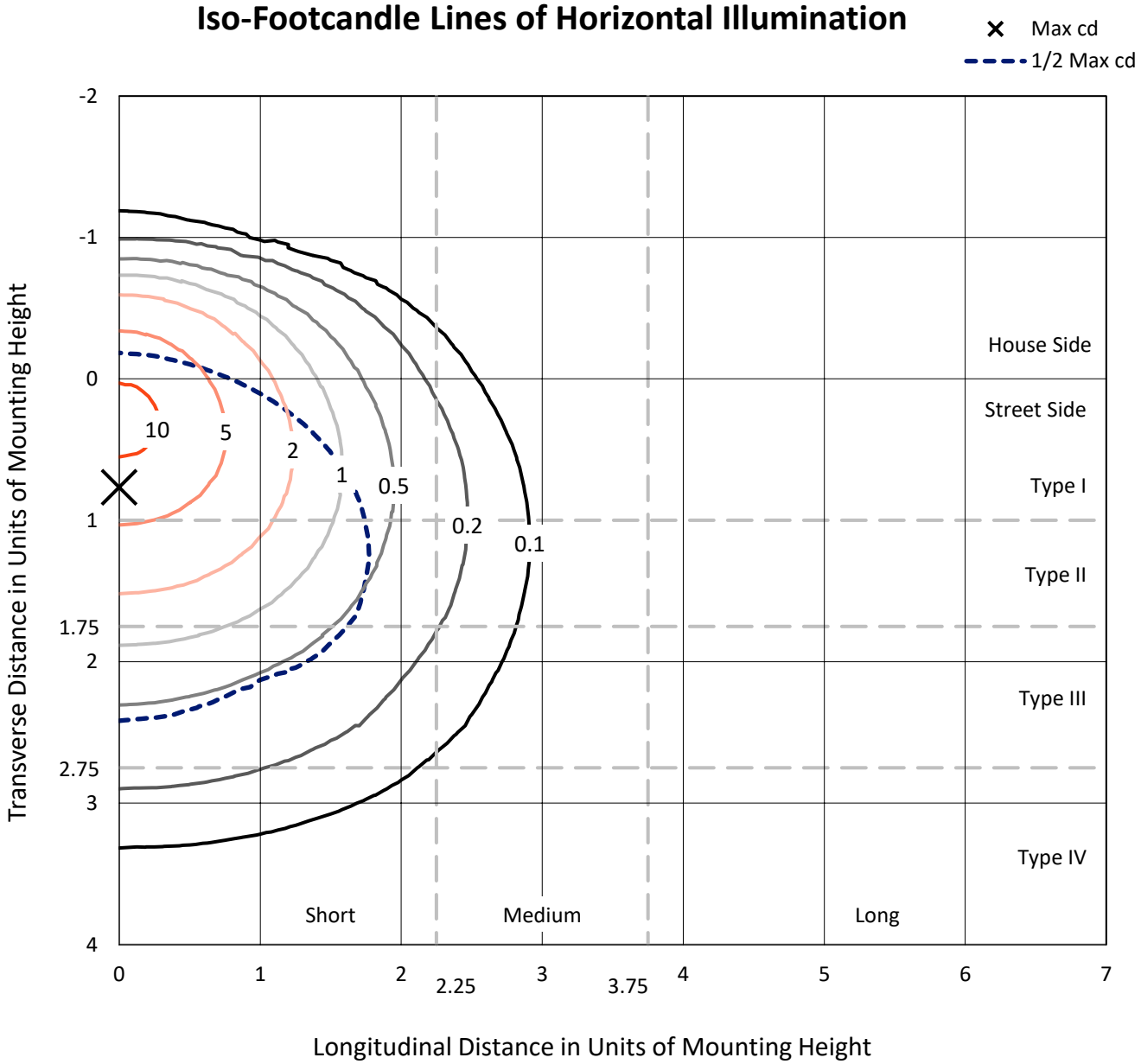
Input Watts (W):	23
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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

Scaled Data Report

REPORT NUMBER: P1449774
CATALOG NUMBER: AXCS3A-W

Iso-Footcandle Lines of Horizontal Illumination



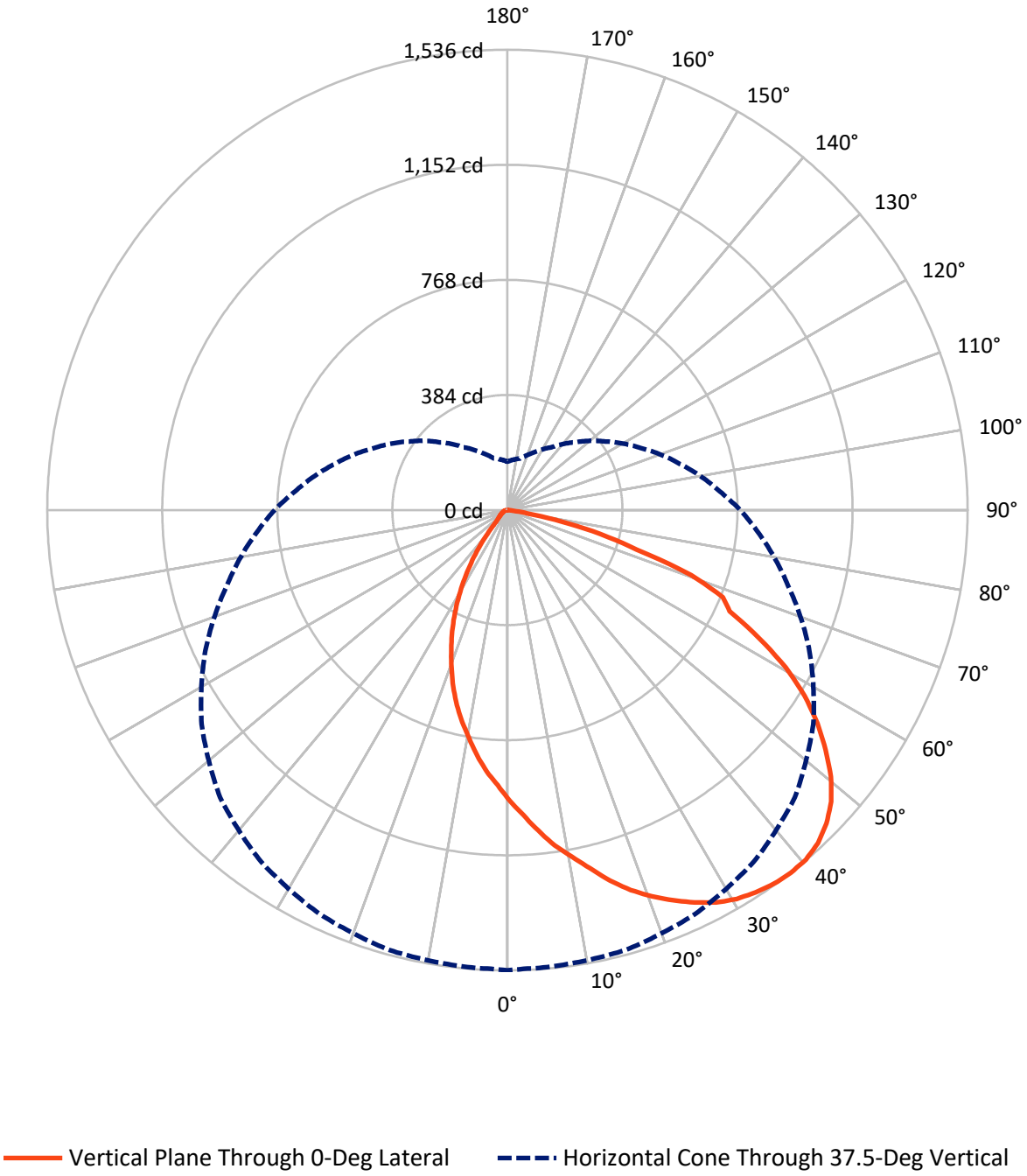
Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1449774
CATALOG NUMBER: AXCS3A-W

Luminous Intensity Polar Plot



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

Scaled Data Report

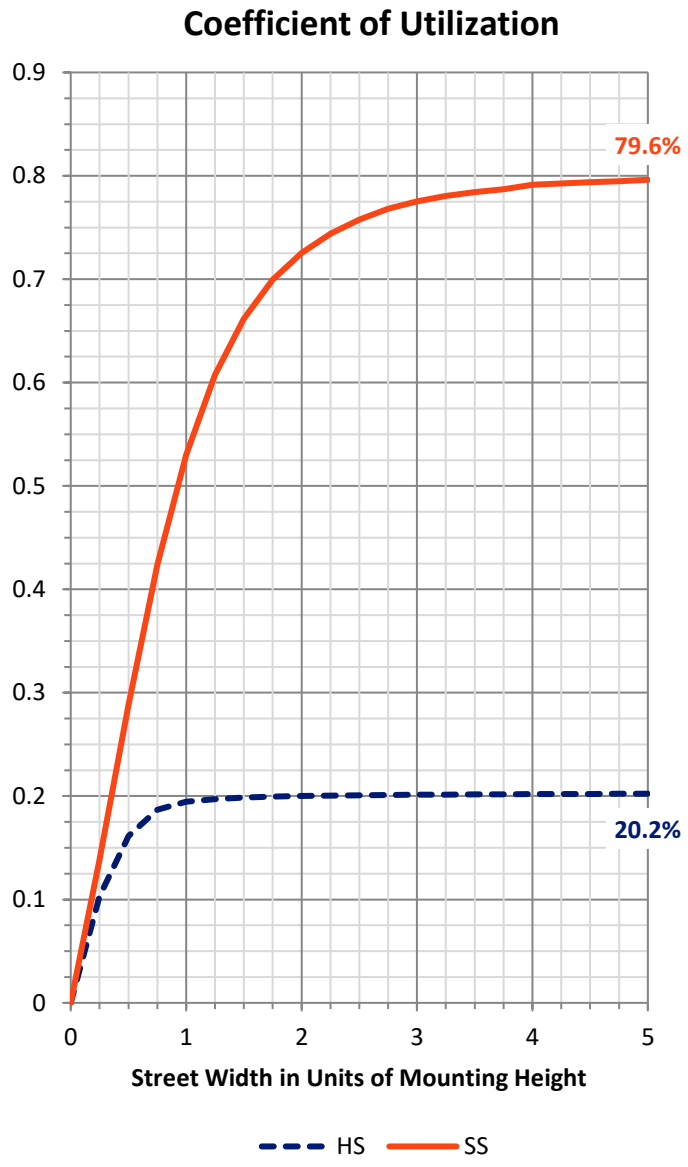
REPORT NUMBER: P1449774
CATALOG NUMBER: AXCS3A-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	613.0	0.0	613.0
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	2388.0	0.0	2388.0
	% Fixture	79.6	0.0	79.6
Total	Lumens	3001.0	0.0	3001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	3.1
10°-20°	271.3	9.0
20°-30°	424.6	14.1
30°-40°	530.2	17.7
40°-50°	570.3	19.0
50°-60°	529.4	17.6
60°-70°	390.4	13.0
70°-80°	176.7	5.9
80°-90°	15.6	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°	3001.0	100.0
0°-180°	3001.0	100.0



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

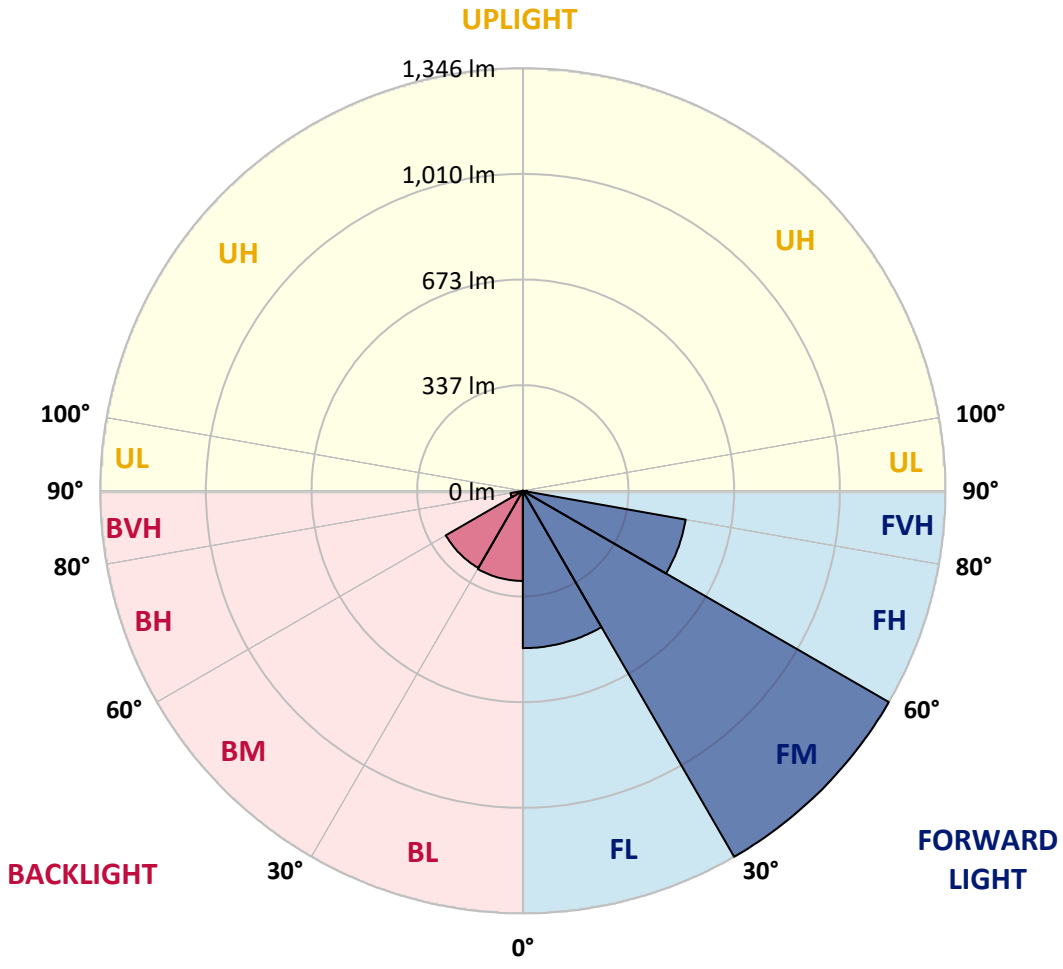
Scaled Data Report

REPORT NUMBER: P1449774
CATALOG NUMBER: AXCS3A-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	501.3	16.7			
FM	(30°-60°)	1346.3	44.9			
FH	(60°-80°)	527.1	17.6			G0/660
FVH	(80°-90°)	13.3	0.4			G1/100
BL	(0°-30°)	287.2	9.6	B1/500		
BM	(30°-60°)	283.5	9.4	B1/1000		
BH	(60°-80°)	40.0	1.3	B0/110		G0/110
BVH	(80°-90°)	2.3	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: P1449774
CATALOG NUMBER: AXCS3A-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*970.7*	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7
2.5°	*1019.4*	1016.7	1017.8	1016.7	1010.2	1005.9	1002.6	994.5	985.3	978.3	977.7
5°	*1074.6*	1072.9	1073.5	1071.3	1059.4	1051.3	1041.0	1024.8	1008.6	992.9	983.7
7.5°	*1129.8*	1128.1	1127.6	1121.1	1109.2	1094.6	1078.4	1054.0	1028.6	1004.2	986.4
10°	*1175.8*	1174.1	1173.0	1166.0	1149.2	1130.3	1107.6	1075.7	1041.0	1006.9	981.0
12.5°	*1226.6*	1225.5	1224.4	1214.7	1194.1	1169.8	1140.0	1100.0	1057.3	1014.0	978.3
15°	*1283.4*	1278.0	1279.6	1268.3	1244.5	1213.1	1176.3	1127.1	1076.2	1023.2	978.3
17.5°	*1333.2*	1330.5	1330.0	1317.0	1287.8	1251.5	1207.1	1150.3	1089.7	1027.5	972.9
20°	*1376.5*	1372.2	1373.2	1358.1	1326.7	1284.5	1234.2	1168.2	1098.4	1025.3	960.9
22.5°	*1414.4*	1410.0	1411.1	1395.4	1360.8	1315.3	1258.0	1184.4	1104.9	1021.5	948.0
25°	*1450.6*	1445.7	1446.8	1430.6	1396.0	1347.8	1285.0	1202.8	1111.9	1018.3	935.5
27.5°	*1483.1*	1479.3	1479.8	1464.1	1429.0	1375.9	1308.9	1220.7	1118.4	1013.4	921.4
30°	*1506.3*	1502.0	1503.6	1488.0	1452.2	1397.6	1327.3	1232.0	1120.6	1004.8	903.1
32.5°	*1521.0*	1516.6	1516.6	1503.1	1467.4	1413.8	1340.8	1239.6	1119.5	993.4	881.9
35°	*1531.8*	1527.5	1528.5	1515.5	1480.4	1426.8	1351.6	1245.0	1117.3	982.0	861.4
37.5°	*1536.1*	*1531.8*	*1531.2*	*1520.4*	*1486.3*	*1433.3*	*1356.5*	*1246.1*	*1112.4*	*969.1*	*838.7*
40°	*1533.9*	1528.5	1528.5	1518.3	1485.2	1433.8	1355.4	1242.8	1104.9	953.9	813.2
42.5°	*1519.9*	1515.5	1516.1	1509.1	1477.1	1426.3	1348.4	1234.7	1093.5	935.5	786.7
45°	*1492.8*	1489.0	1489.0	1486.3	1458.2	1409.5	1333.7	1217.4	1074.6	911.7	754.3
47.5°	*1453.9*	1450.6	1450.6	1451.2	1427.4	1386.8	1312.1	1193.6	1051.3	884.1	718.0
50°	*1399.2*	1395.4	1396.5	1400.3	1383.0	1353.2	1281.3	1163.3	1021.5	848.4	676.3
52.5°	*1330.0*	1327.3	1328.9	1337.5	1326.2	1304.5	1238.5	1124.9	982.0	805.7	632.0
55°	*1255.8*	1252.6	1254.2	1264.5	1261.2	1241.2	1183.3	1078.9	932.3	758.0	582.7
57.5°	*1169.8*	1167.1	1166.0	1179.0	1183.3	1163.8	1117.3	1021.0	876.0	704.5	525.4
60°	*1067.5*	1064.3	1063.2	1079.4	1095.7	1085.9	1044.3	953.9	811.6	642.8	466.4
62.5°	*944.7*	941.5	948.5	964.2	991.8	999.4	956.1	873.3	738.6	575.7	405.3
65°	*814.9*	812.2	816.5	831.1	864.1	894.4	857.1	776.4	659.0	502.1	340.9
67.5°	*775.9*	773.2	770.5	760.2	739.6	763.5	752.6	681.8	568.7	430.7	280.8
70°	*650.4*	646.6	658.5	683.9	718.5	649.8	630.4	580.6	478.3	350.1	224.0
72.5°	*451.3*	449.6	451.3	463.7	497.8	599.0	514.6	471.3	382.5	275.9	167.7
75°	*320.3*	315.4	329.0	367.9	393.4	373.9	431.8	357.1	290.0	203.4	119.0
77.5°	*184.5*	183.4	186.1	184.5	185.0	250.5	257.6	290.6	196.4	138.5	79.0
80°	*68.2*	66.6	72.5	83.3	97.9	120.1	115.8	150.4	127.2	82.2	45.5
82.5°	*18.9*	18.4	19.5	21.1	24.3	31.9	44.4	55.7	54.1	39.0	21.1
85°	*8.1*	8.1	8.7	8.7	9.7	11.4	12.4	16.2	15.7	11.9	8.1
87.5°	*1.6*	2.2	2.2	2.2	2.2	2.7	2.7	3.8	3.8	3.2	2.7
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: P1449774
CATALOG NUMBER: AXCS3A-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7	970.7
2.5°	974.5	966.9	951.2	943.6	936.6	932.8	925.8	922.0	917.1	916.6	918.7
5°	976.1	965.3	940.4	925.2	911.7	900.3	889.5	881.4	874.4	872.2	875.5
7.5°	973.9	957.7	925.8	902.5	882.5	864.6	847.9	837.0	826.2	823.0	826.2
10°	964.7	943.6	904.1	873.8	846.8	824.1	801.9	787.3	774.3	769.9	772.7
12.5°	956.6	933.4	885.7	848.4	814.9	785.6	759.7	743.4	726.7	720.2	723.4
15°	952.3	923.1	868.4	823.5	782.9	747.8	717.5	697.4	678.0	670.9	672.6
17.5°	941.5	909.5	845.7	793.2	746.1	706.1	670.9	647.1	624.4	615.7	617.4
20°	925.2	889.0	818.1	759.7	705.6	660.1	620.6	593.0	567.6	557.3	558.9
22.5°	907.9	866.8	789.4	724.0	664.4	613.0	568.7	538.4	510.2	498.9	500.5
25°	891.1	845.7	761.3	688.8	623.9	568.1	517.8	484.8	455.0	443.1	444.2
27.5°	872.8	824.1	732.1	653.1	581.7	520.0	466.4	430.2	398.8	387.9	385.8
30°	851.6	798.6	699.6	614.1	536.7	470.2	412.8	373.9	341.4	326.8	326.8
32.5°	826.8	771.0	665.0	574.1	490.8	420.4	359.3	318.7	285.7	275.4	269.5
35°	801.9	741.8	630.4	534.0	445.3	370.6	306.8	264.6	231.0	220.2	214.3
37.5°	*777.0*	*711.5*	*595.7*	*490.2*	*398.8*	*319.8*	*255.4*	*212.6*	*178.6*	*167.2*	*161.2*
40°	748.3	679.0	558.4	446.4	351.2	270.5	205.6	162.3	128.8	116.3	110.9
42.5°	717.5	645.5	518.3	402.0	303.5	222.4	158.0	115.2	84.9	75.8	71.4
45°	682.3	608.2	476.1	357.1	256.5	175.8	112.5	76.3	56.8	52.5	50.9
47.5°	643.3	567.6	432.3	311.7	211.0	132.6	76.3	52.5	44.9	42.7	42.7
50°	597.9	520.5	385.8	264.6	169.4	92.0	50.9	42.2	37.9	36.3	36.3
52.5°	549.7	472.4	338.2	219.1	127.2	60.1	41.1	35.7	32.5	31.4	31.4
55°	499.4	423.1	290.6	176.4	89.3	43.3	34.6	30.8	28.7	28.1	28.1
57.5°	444.8	373.3	244.0	138.0	57.9	35.7	29.8	27.1	25.4	24.9	24.9
60°	388.5	320.3	199.1	100.1	40.6	30.3	26.0	24.3	22.7	22.7	22.7
62.5°	331.7	268.9	155.8	67.6	32.5	26.0	23.3	21.6	20.6	20.0	20.0
65°	274.9	219.1	115.2	42.7	27.1	22.2	20.6	19.5	18.4	17.9	17.9
67.5°	220.8	171.5	81.7	30.3	22.2	19.5	17.9	17.3	16.2	15.7	15.7
70°	172.6	128.8	54.6	23.8	18.9	16.8	16.2	15.2	14.6	14.1	14.1
72.5°	126.6	92.0	33.5	18.9	15.7	14.6	14.1	13.0	12.4	12.4	12.4
75°	87.1	60.6	20.6	14.6	13.0	12.4	11.9	11.4	10.8	10.8	10.8
77.5°	56.3	37.3	14.6	11.4	10.3	10.3	9.7	9.2	9.2	9.2	9.2
80°	31.9	20.6	10.3	8.7	8.1	8.1	7.6	7.6	7.6	7.0	7.6
82.5°	15.7	10.3	7.0	6.0	6.0	6.0	6.0	5.4	5.4	5.4	5.4
85°	6.5	5.4	4.3	3.8	3.8	3.8	3.8	3.8	3.2	3.2	3.2
87.5°	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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

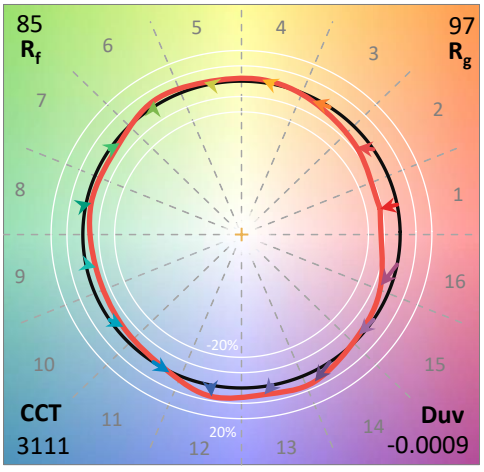
Test Information

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

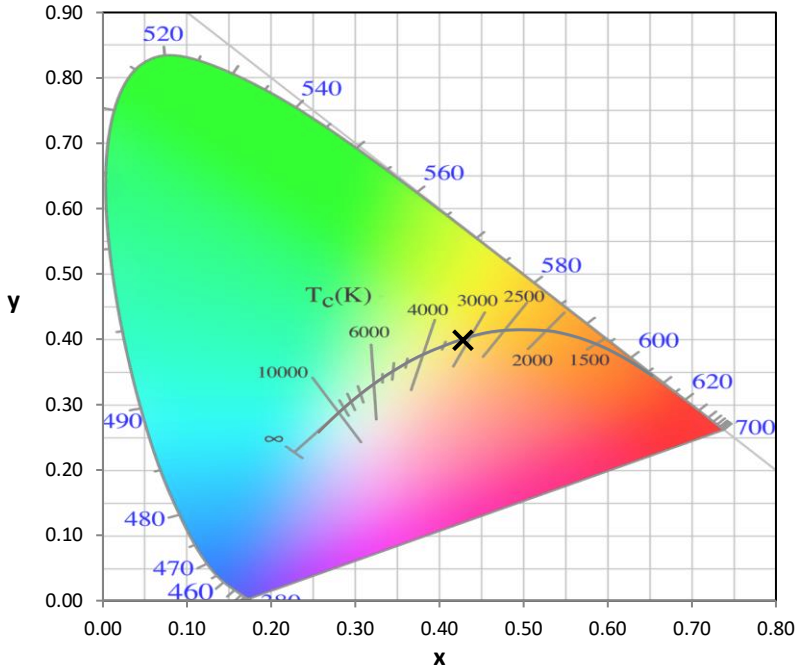
Stabilization Time:	52M
Operation Time:	1H 52M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2512-637-1

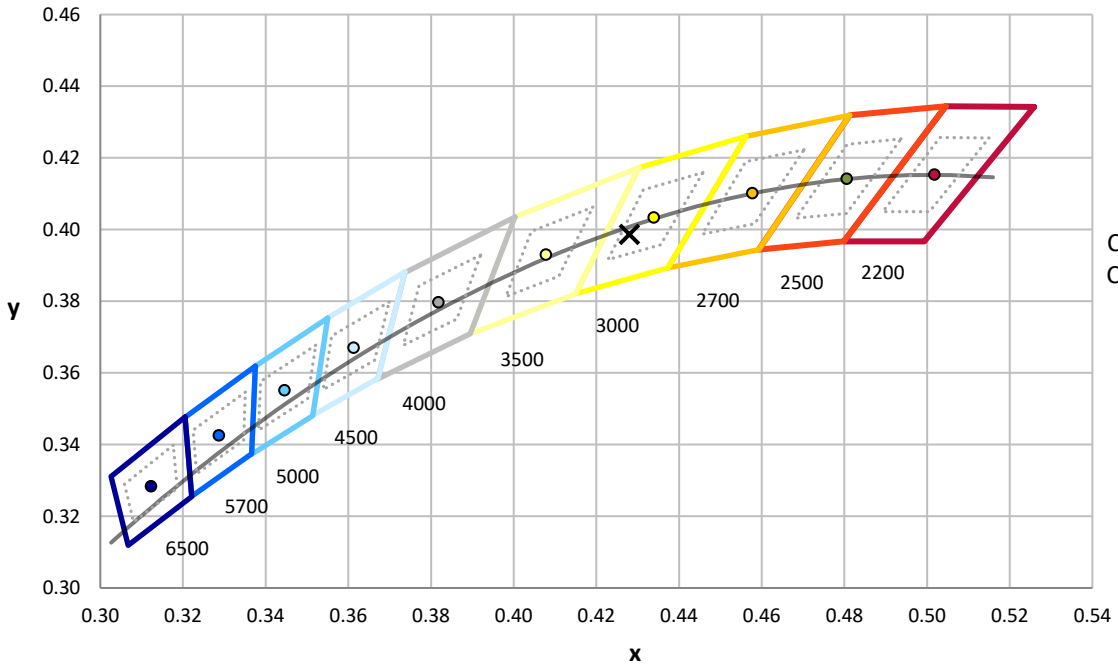
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

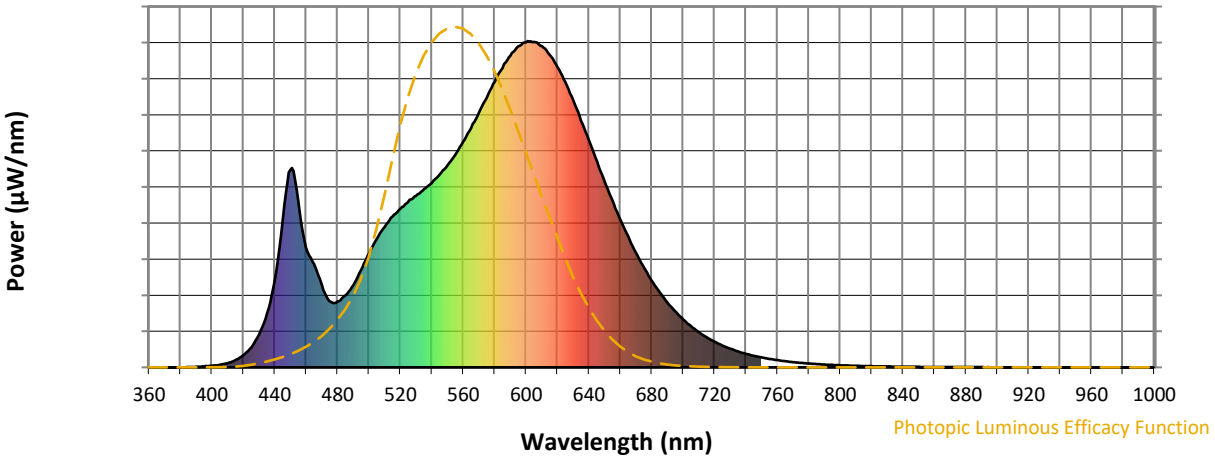


CCT = 3111K
CIE x = 0.4280
CIE y = 0.3986
Duv = -0.0009

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2512-637-1

Photopic Flux vs. Wavelength

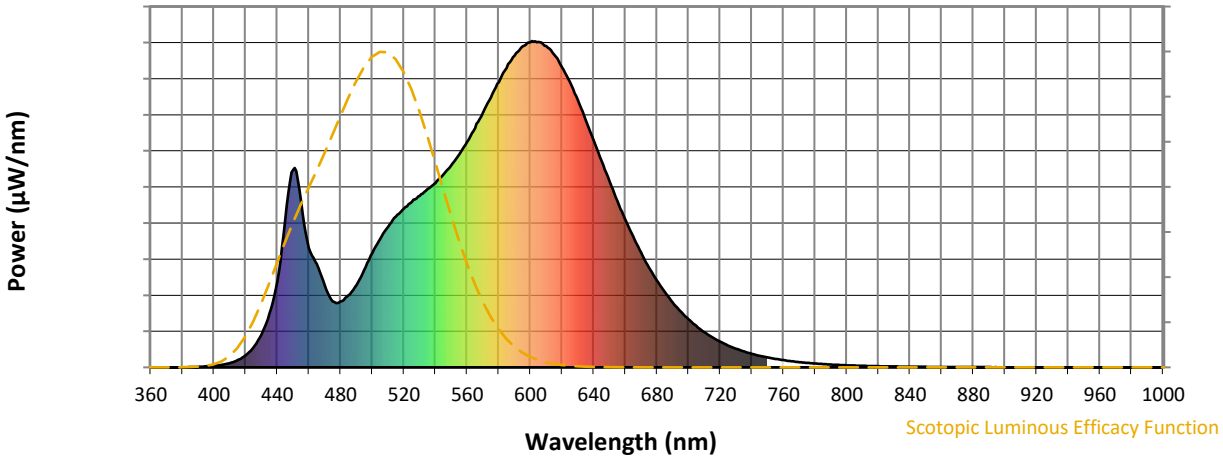


Photopic Lumens: NR

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

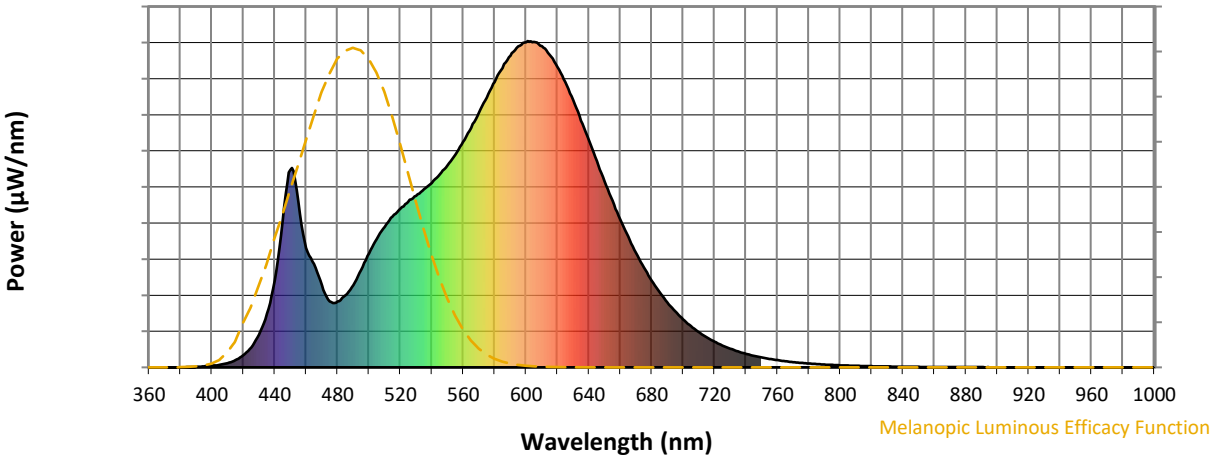


Scotopic Lumens: NR **S/P: 1.4**

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			

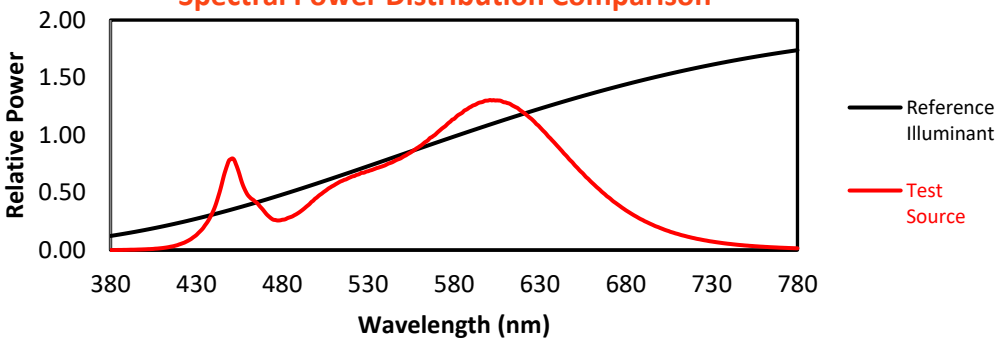
REPORT NUMBER: SP1-2512-637-1

TM-30-18

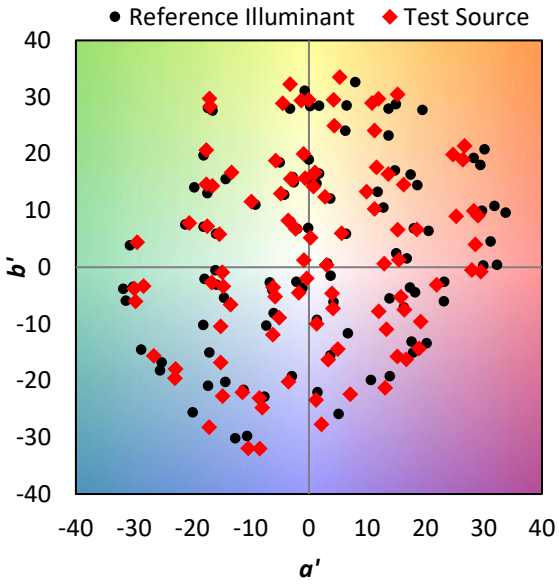
Summary

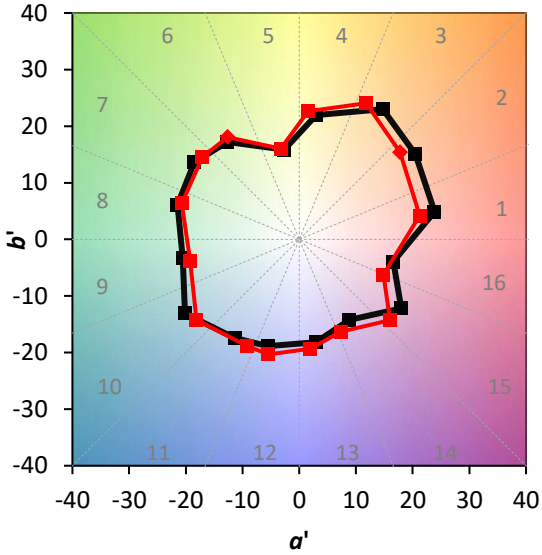
R_f = 85.3
R_g = 96.7
CIE R_a = 83.4
R_9 = 8.9

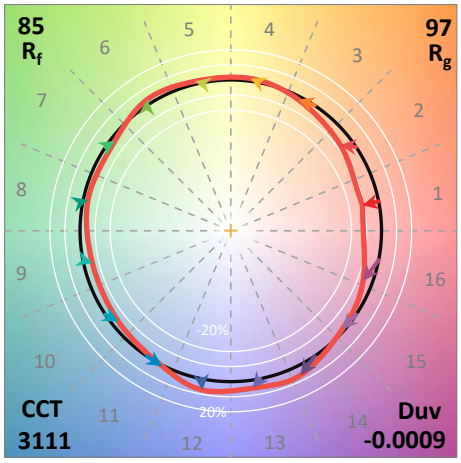
Spectral Power Distribution Comparison

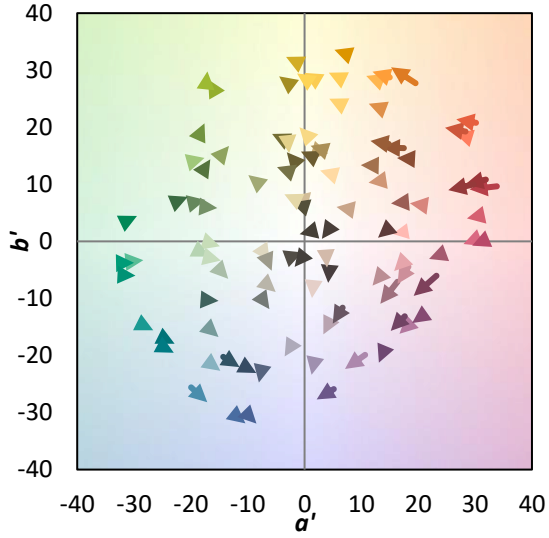


Color Vector Graphics







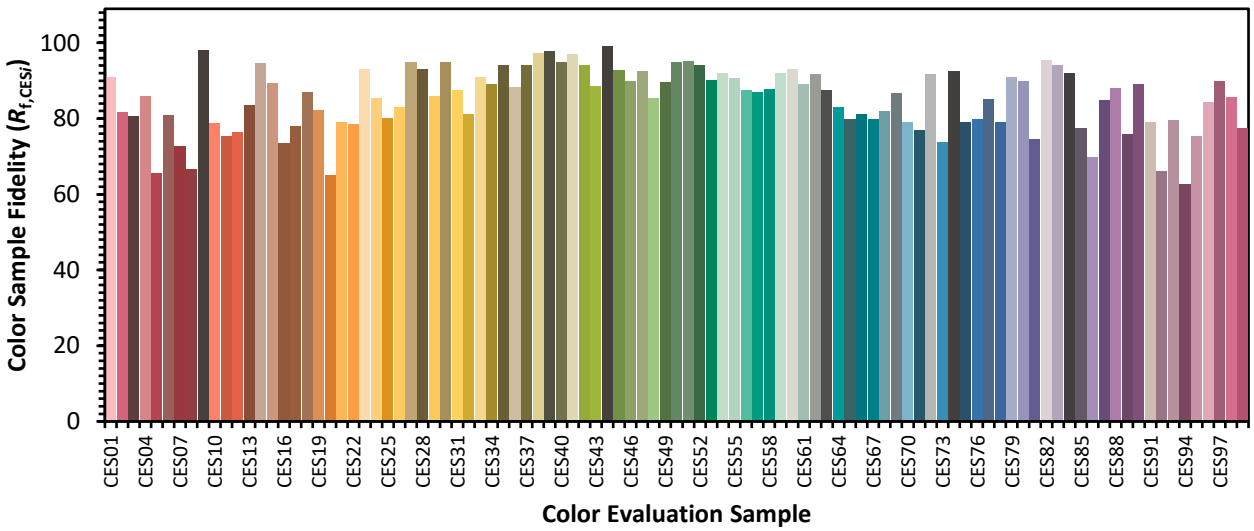


REPORT NUMBER: SP1-2512-637-1

TM-30-18

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

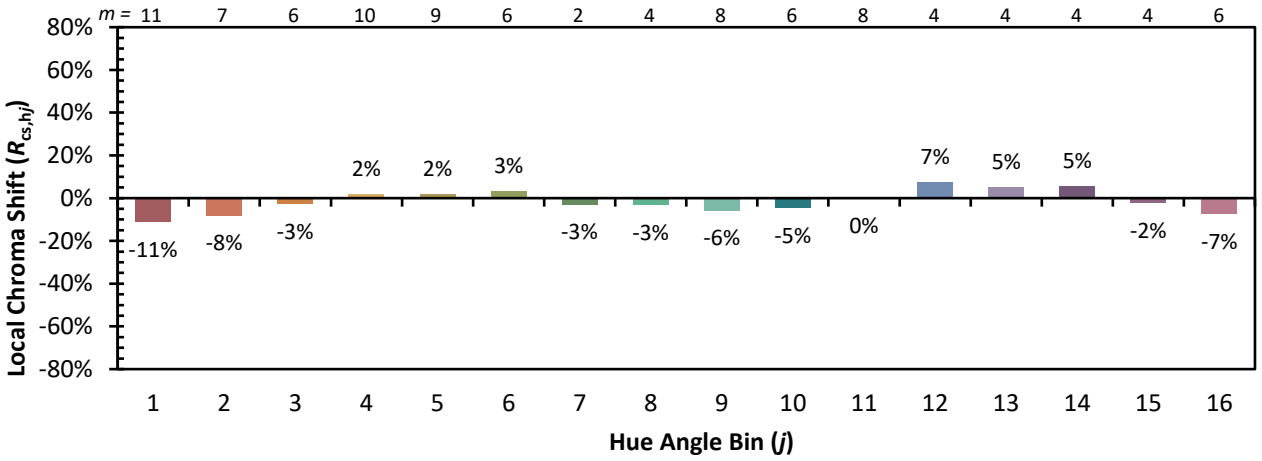
CES01 = 86	CES26 = 83	CES51 = 95	CES76 = 80
CES02 = 63	CES27 = 95	CES52 = 94	CES77 = 85
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 79
CES04 = 70	CES29 = 86	CES54 = 92	CES79 = 91
CES05 = 49	CES30 = 95	CES55 = 91	CES80 = 90
CES06 = 51	CES31 = 87	CES56 = 88	CES81 = 74
CES07 = 42	CES32 = 81	CES57 = 87	CES82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

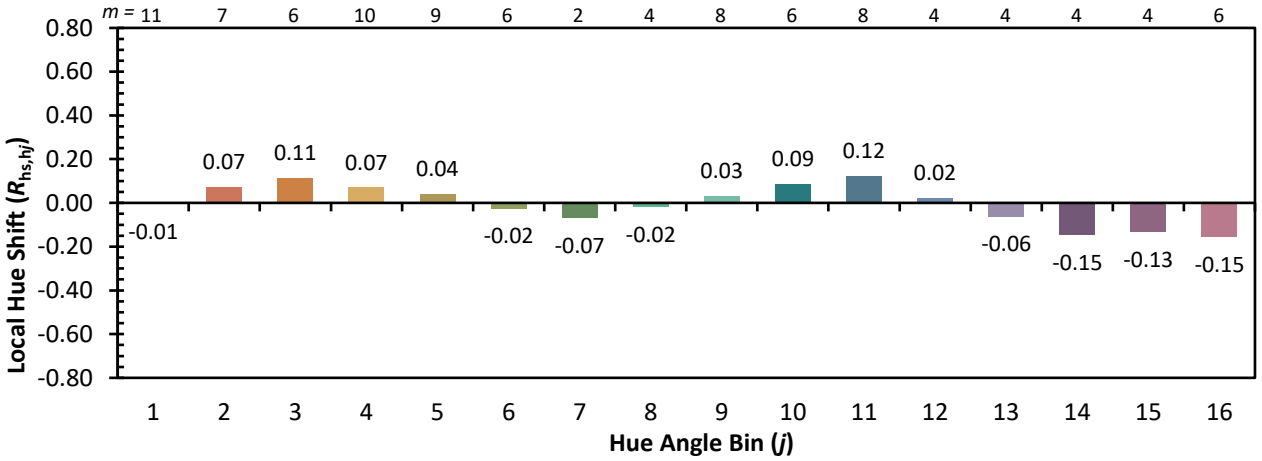


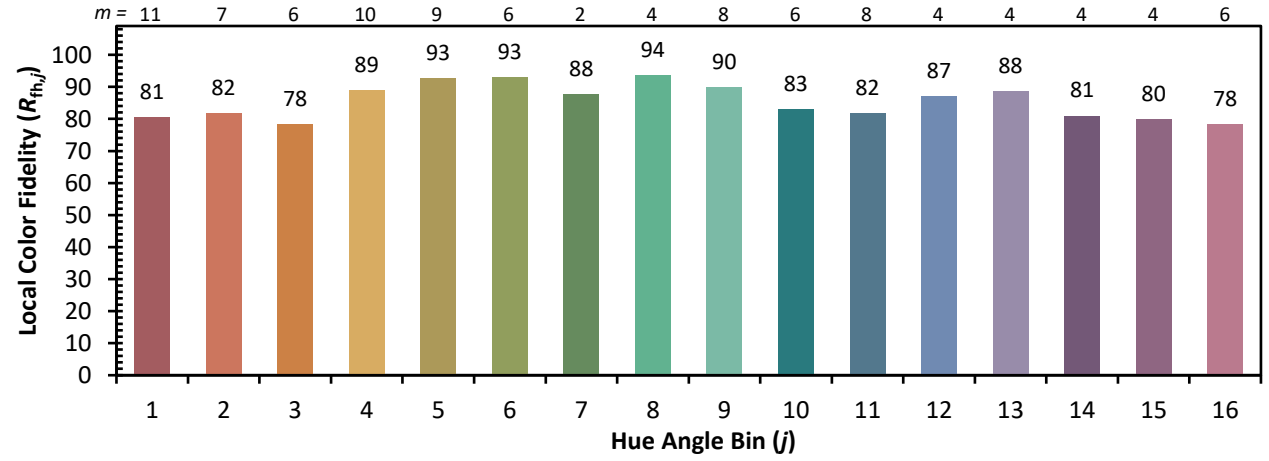
REPORT NUMBER: SP1-2512-637-1

TM-30-18

Color Rendition by Hue-Angle Bin



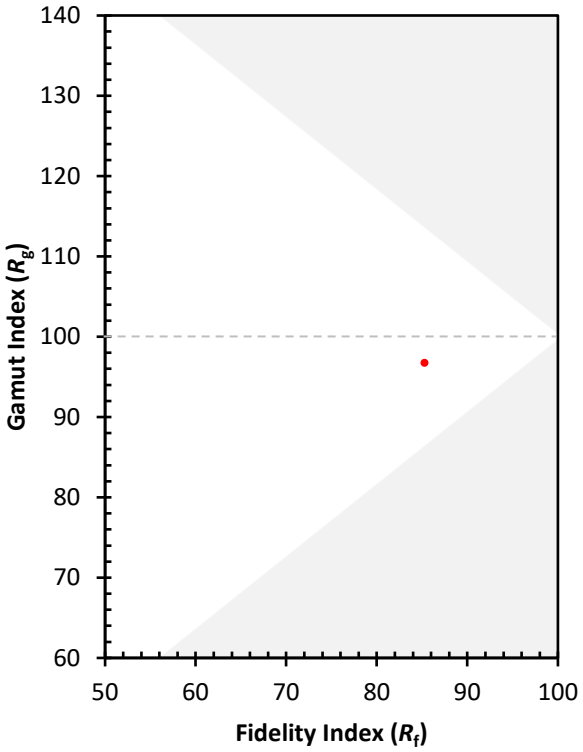


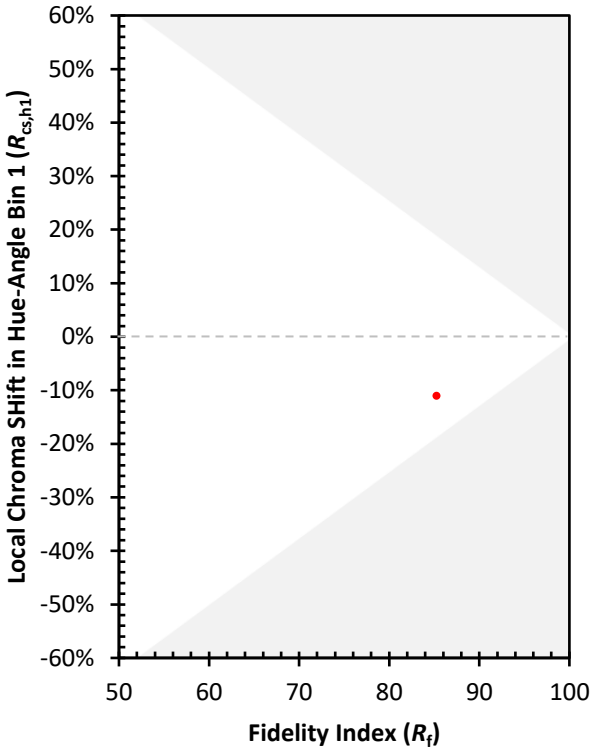


REPORT NUMBER: SP1-2512-637-1

TM-30-18

Measure Comparisons





(END OF REPORT)