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: P1449750

Luminaire Tested: **AXCS1A-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:	P1449750
	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:	AXCS1A-W
Description:	1A AXCENT LED FULL CUTOFF WALLPACK WITH 3000K 80CRI LEDS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1509 lumens
Efficiency:	N/A
Efficacy:	133.5 lumens/watt
Luminous Opening:	Rectangular (W 0.17' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G0

Input Watts (W):	11.3
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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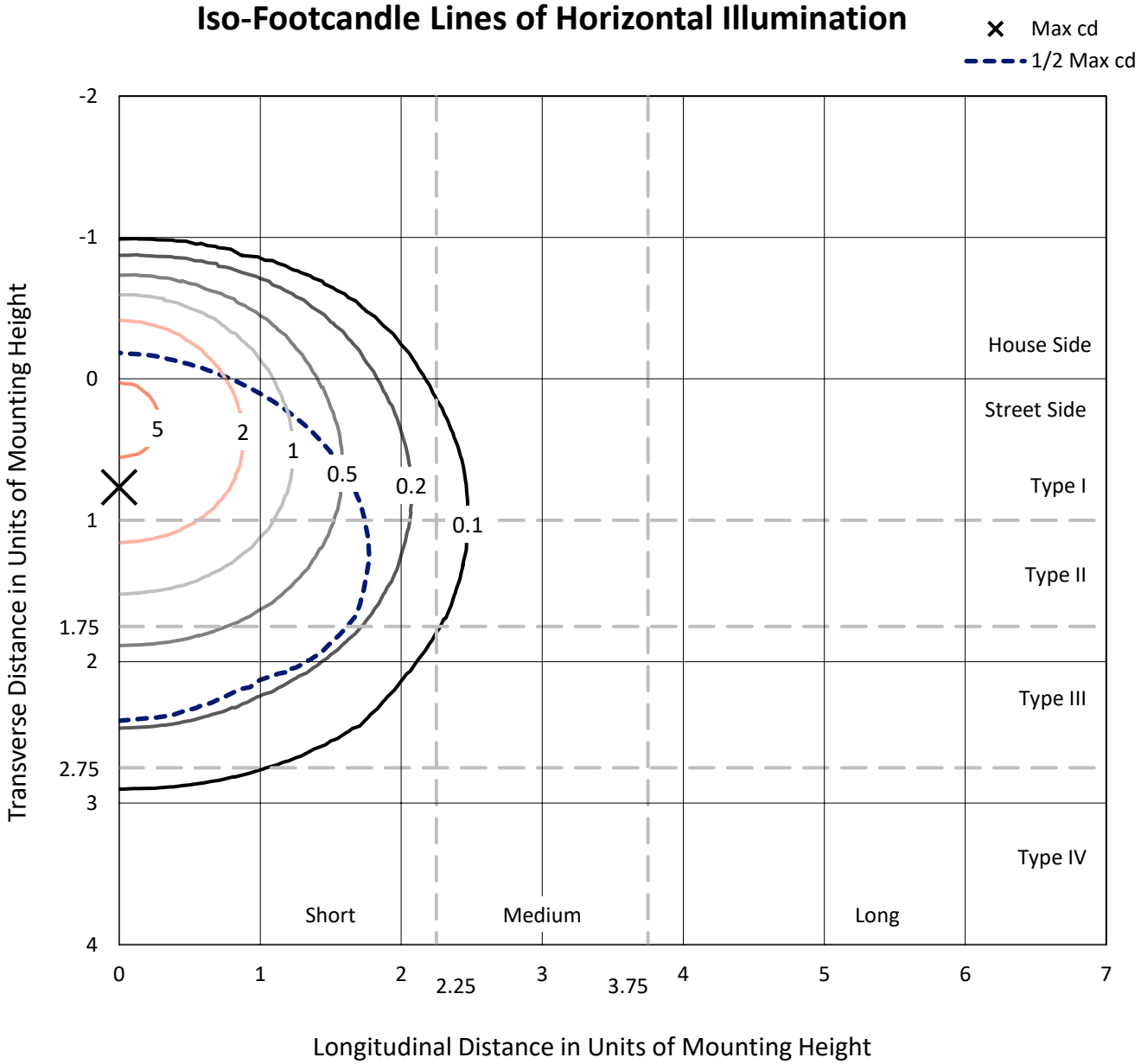
Scaled Data Report

REPORT NUMBER: P1449750
CATALOG NUMBER: AXCS1A-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
Type III - Short - N/A

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REPORT NUMBER: P1449750
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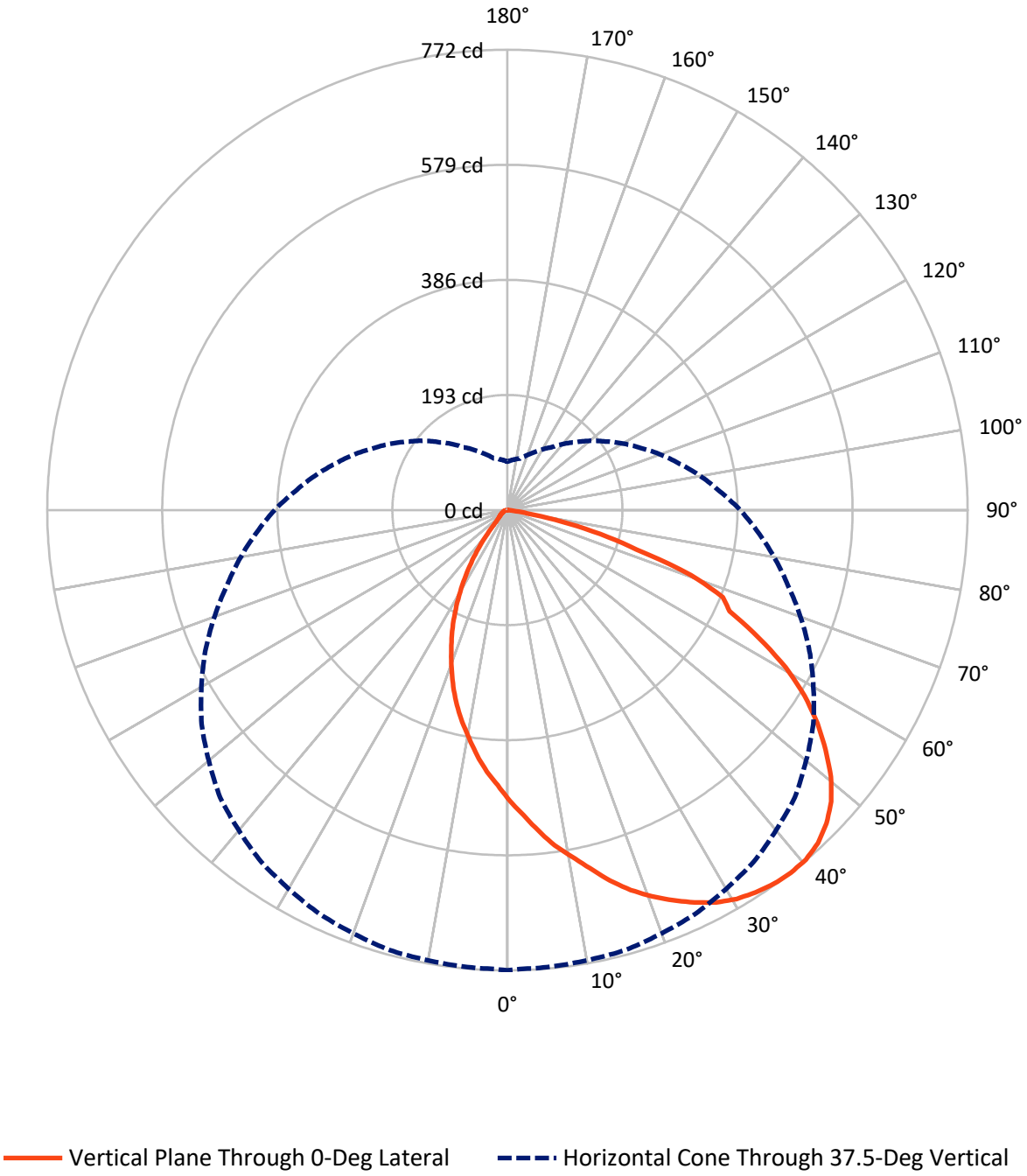
Luminous Intensity Polar Plot



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REPORT NUMBER: P1449750
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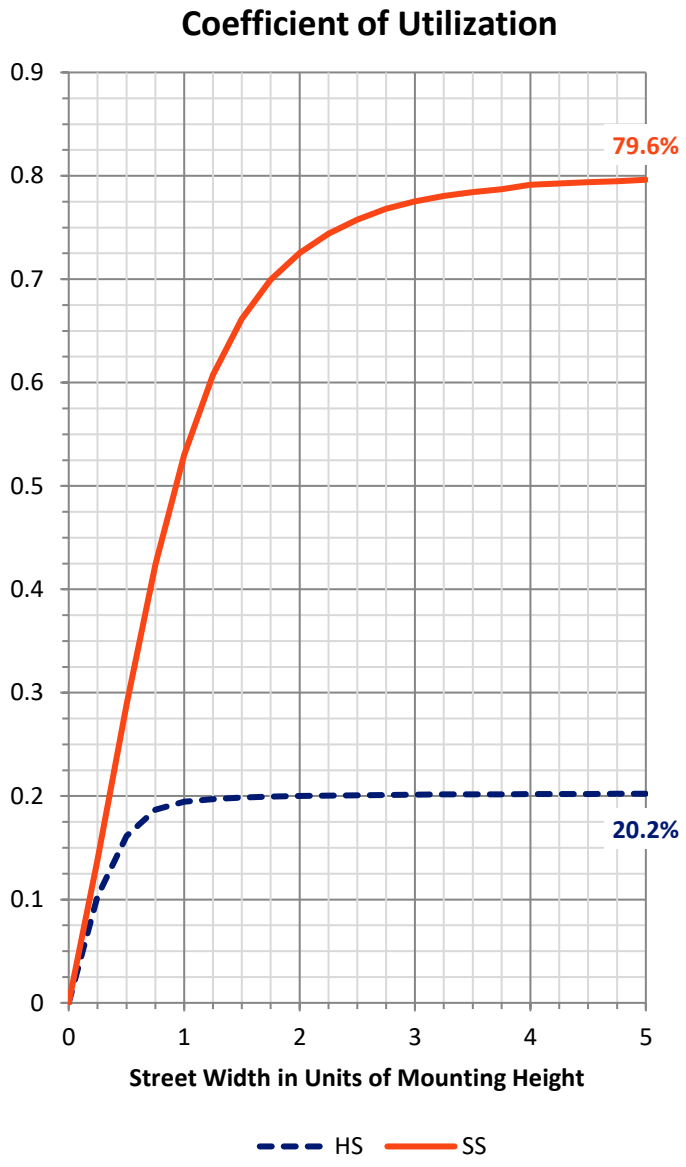
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.2	0.0	308.2
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	1200.8	0.0	1200.8
	% Fixture	79.6	0.0	79.6
Total	Lumens	1509.0	0.0	1509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	3.1
10°-20°	136.4	9.0
20°-30°	213.5	14.1
30°-40°	266.6	17.7
40°-50°	286.8	19.0
50°-60°	266.2	17.6
60°-70°	196.3	13.0
70°-80°	88.8	5.9
80°-90°	7.9	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°	1509.0	100.0
0°-180°	1509.0	100.0



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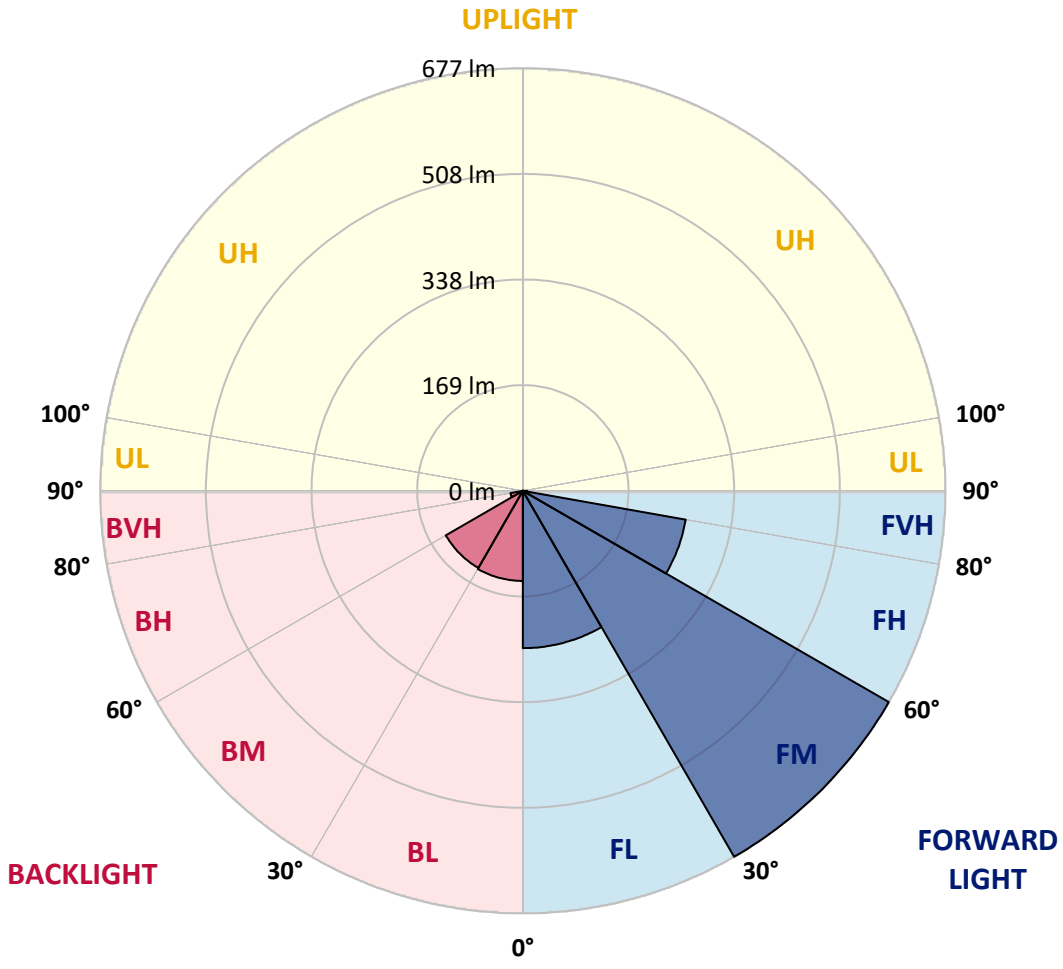
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	252.0	16.7			
FM	(30°-60°)	677.0	44.9			
FH	(60°-80°)	265.0	17.6			G0/660
FVH	(80°-90°)	6.7	0.4			G0/10
BL	(0°-30°)	144.4	9.6	B1/500		
BM	(30°-60°)	142.6	9.4	B0/220		
BH	(60°-80°)	20.1	1.3	B0/110		G0/110
BVH	(80°-90°)	1.2	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-G0
Type III Short



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Scaled Data Report

REPORT NUMBER: P1449750
CATALOG NUMBER: AXCS1A-W

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*488.1*	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1
2.5°	*512.6*	511.2	511.8	511.2	508.0	505.8	504.1	500.1	495.4	491.9	491.6
5°	*540.3*	539.5	539.8	538.7	532.7	528.6	523.5	515.3	507.1	499.2	494.6
7.5°	*568.1*	567.3	567.0	563.7	557.7	550.4	542.2	530.0	517.2	505.0	496.0
10°	*591.2*	590.4	589.8	586.3	577.9	568.4	556.9	540.9	523.5	506.3	493.3
12.5°	*616.8*	616.2	615.7	610.8	600.5	588.2	573.2	553.1	531.6	509.9	491.9
15°	*645.3*	642.6	643.4	637.7	625.8	610.0	591.5	566.7	541.1	514.5	491.9
17.5°	*670.4*	669.0	668.7	662.2	647.5	629.3	607.0	578.4	547.9	516.7	489.2
20°	*692.1*	690.0	690.5	682.9	667.1	645.9	620.6	587.4	552.3	515.6	483.2
22.5°	*711.2*	709.0	709.6	701.7	684.3	661.4	632.6	595.6	555.6	513.7	476.7
25°	*729.4*	727.0	727.5	719.4	701.9	677.7	646.2	604.8	559.1	512.0	470.4
27.5°	*745.7*	743.8	744.1	736.2	718.5	691.9	658.1	613.8	562.4	509.6	463.3
30°	*757.4*	755.3	756.1	748.2	730.2	702.8	667.4	619.5	563.5	505.2	454.1
32.5°	*764.8*	762.6	762.6	755.8	737.9	710.9	674.2	623.3	562.9	499.5	443.5
35°	*770.2*	768.1	768.6	762.1	744.4	717.4	679.6	626.0	561.8	493.8	433.1
37.5°	*772.4*	*770.2*	*770.0*	*764.5*	*747.4*	*720.7*	*682.1*	*626.6*	*559.4*	*487.3*	*421.7*
40°	*771.3*	768.6	768.6	763.4	746.8	721.0	681.5	624.9	555.6	479.7	408.9
42.5°	*764.2*	762.1	762.3	758.8	742.7	717.2	678.0	620.9	549.9	470.4	395.6
45°	*750.6*	748.7	748.7	747.4	733.2	708.7	670.7	612.2	540.3	458.4	379.3
47.5°	*731.1*	729.4	729.4	729.7	717.7	697.3	659.8	600.2	528.6	444.6	361.0
50°	*703.6*	701.7	702.2	704.1	695.4	680.4	644.3	584.9	513.7	426.6	340.1
52.5°	*668.7*	667.4	668.2	672.6	666.8	656.0	622.8	565.6	493.8	405.1	317.8
55°	*631.5*	629.8	630.7	635.8	634.2	624.1	595.0	542.5	468.8	381.2	293.0
57.5°	*588.2*	586.9	586.3	592.8	595.0	585.2	561.8	513.4	440.5	354.2	264.2
60°	*536.8*	535.2	534.6	542.8	550.9	546.0	525.1	479.7	408.1	323.2	234.5
62.5°	*475.0*	473.4	476.9	484.8	498.7	502.5	480.7	439.1	371.4	289.5	203.8
65°	*409.7*	408.4	410.6	417.9	434.5	449.7	431.0	390.4	331.4	252.5	171.4
67.5°	*390.1*	388.8	387.4	382.3	371.9	383.9	378.4	342.8	285.9	216.6	141.2
70°	*327.0*	325.1	331.1	343.9	361.3	326.8	317.0	291.9	240.5	176.0	112.6
72.5°	*226.9*	226.1	226.9	233.2	250.3	301.2	258.7	237.0	192.4	138.8	84.3
75°	*161.1*	158.6	165.4	185.0	197.8	188.0	217.1	179.6	145.8	102.3	59.9
77.5°	*92.8*	92.2	93.6	92.8	93.0	126.0	129.5	146.1	98.8	69.6	39.7
80°	*34.3*	33.5	36.5	41.9	49.2	60.4	58.2	75.6	63.9	41.4	22.9
82.5°	*9.5*	9.3	9.8	10.6	12.2	16.1	22.3	28.0	27.2	19.6	10.6
85°	*4.1*	4.1	4.4	4.4	4.9	5.7	6.3	8.2	7.9	6.0	4.1
87.5°	*0.8*	1.1	1.1	1.1	1.1	1.4	1.4	1.9	1.9	1.6	1.4
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: P1449750
CATALOG NUMBER: AXCS1A-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1	488.1
2.5°	490.0	486.2	478.3	474.5	471.0	469.0	465.5	463.6	461.2	460.9	462.0
5°	490.8	485.4	472.9	465.2	458.4	452.7	447.3	443.2	439.7	438.6	440.2
7.5°	489.7	481.6	465.5	453.8	443.7	434.8	426.3	420.9	415.4	413.8	415.4
10°	485.1	474.5	454.6	439.4	425.8	414.4	403.2	395.9	389.3	387.2	388.5
12.5°	481.0	469.3	445.4	426.6	409.7	395.0	382.0	373.8	365.4	362.1	363.8
15°	478.8	464.2	436.7	414.1	393.7	376.0	360.8	350.7	340.9	337.4	338.2
17.5°	473.4	457.3	425.2	398.9	375.2	355.1	337.4	325.4	314.0	309.6	310.4
20°	465.2	447.0	411.4	382.0	354.8	331.9	312.1	298.2	285.4	280.2	281.0
22.5°	456.5	435.9	396.9	364.0	334.1	308.3	285.9	270.7	256.6	250.8	251.7
25°	448.1	425.2	382.8	346.3	313.7	285.7	260.4	243.8	228.8	222.8	223.4
27.5°	438.8	414.4	368.1	328.4	292.5	261.5	234.5	216.3	200.5	195.1	194.0
30°	428.2	401.6	351.8	308.8	269.9	236.4	207.6	188.0	171.7	164.3	164.3
32.5°	415.7	387.7	334.4	288.7	246.8	211.4	180.7	160.2	143.7	138.5	135.5
35°	403.2	373.0	317.0	268.5	223.9	186.4	154.3	133.0	116.2	110.7	107.7
37.5°	*390.7*	*357.8*	*299.5*	*246.5*	*200.5*	*160.8*	*128.4*	*106.9*	*89.8*	*84.1*	*81.1*
40°	376.3	341.4	280.8	224.5	176.6	136.0	103.4	81.6	64.8	58.5	55.8
42.5°	360.8	324.6	260.6	202.1	152.6	111.8	79.4	58.0	42.7	38.1	35.9
45°	343.1	305.8	239.4	179.6	129.0	88.4	56.6	38.4	28.6	26.4	25.6
47.5°	323.5	285.4	217.4	156.7	106.1	66.7	38.4	26.4	22.6	21.5	21.5
50°	300.6	261.7	194.0	133.0	85.2	46.3	25.6	21.2	19.0	18.2	18.2
52.5°	276.4	237.5	170.0	110.2	63.9	30.2	20.7	18.0	16.3	15.8	15.8
55°	251.1	212.8	146.1	88.7	44.9	21.8	17.4	15.5	14.4	14.1	14.1
57.5°	223.6	187.7	122.7	69.4	29.1	18.0	15.0	13.6	12.8	12.5	12.5
60°	195.3	161.1	100.1	50.3	20.4	15.2	13.1	12.2	11.4	11.4	11.4
62.5°	166.8	135.2	78.4	34.0	16.3	13.1	11.7	10.9	10.3	10.1	10.1
65°	138.2	110.2	58.0	21.5	13.6	11.2	10.3	9.8	9.3	9.0	9.0
67.5°	111.0	86.2	41.1	15.2	11.2	9.8	9.0	8.7	8.2	7.9	7.9
70°	86.8	64.8	27.5	12.0	9.5	8.4	8.2	7.6	7.3	7.1	7.1
72.5°	63.7	46.3	16.9	9.5	7.9	7.3	7.1	6.5	6.3	6.3	6.3
75°	43.8	30.5	10.3	7.3	6.5	6.3	6.0	5.7	5.4	5.4	5.4
77.5°	28.3	18.8	7.3	5.7	5.2	5.2	4.9	4.6	4.6	4.6	4.6
80°	16.1	10.3	5.2	4.4	4.1	4.1	3.8	3.8	3.8	3.5	3.8
82.5°	7.9	5.2	3.5	3.0	3.0	3.0	3.0	2.7	2.7	2.7	2.7
85°	3.3	2.7	2.2	1.9	1.9	1.9	1.9	1.9	1.6	1.6	1.6
87.5°	1.1	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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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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

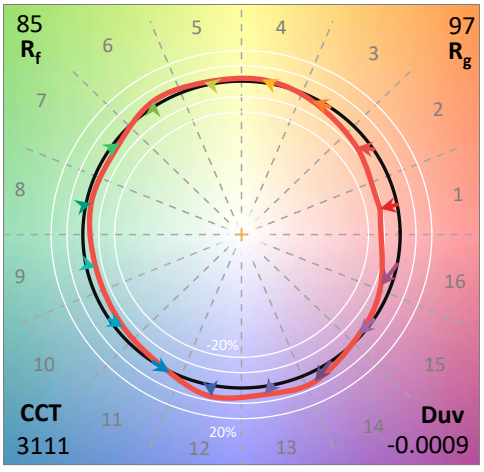
Test Information

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

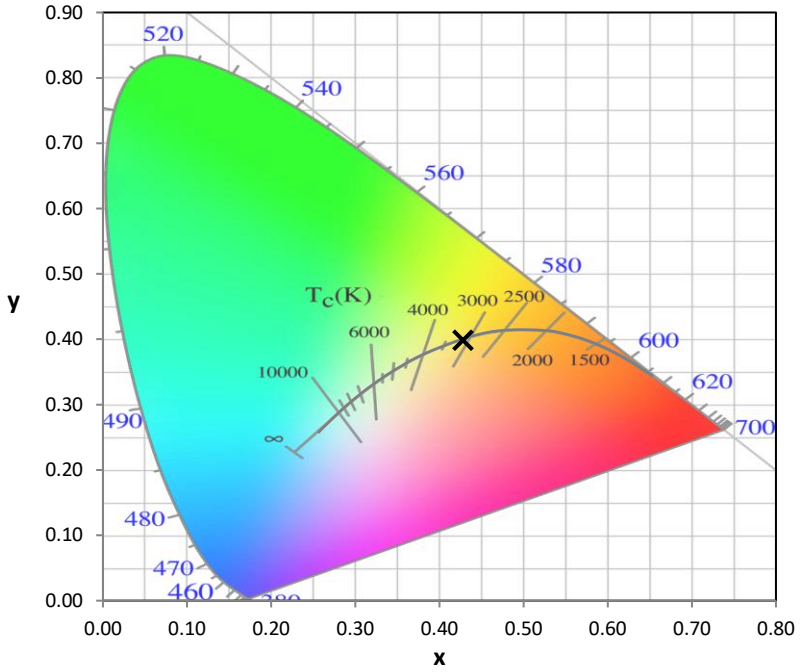
Stabilization Time:	52M
Operation Time:	1H 52M
Sphere Temperature (°C):	25.1

REPORT NUMBER: SP1-2512-637-1

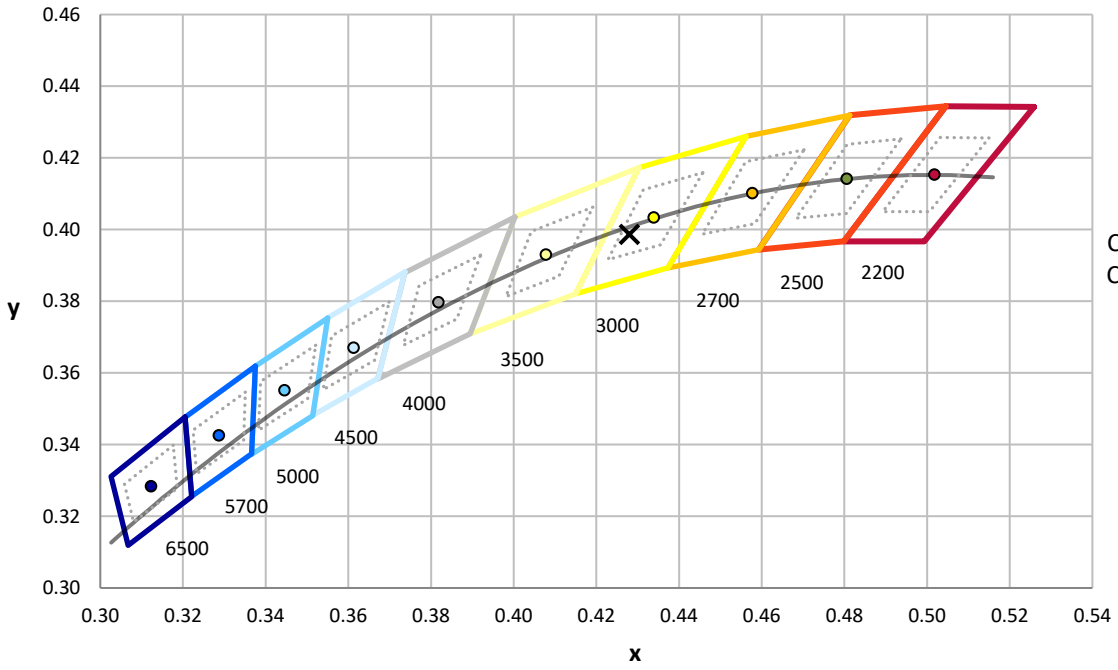
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

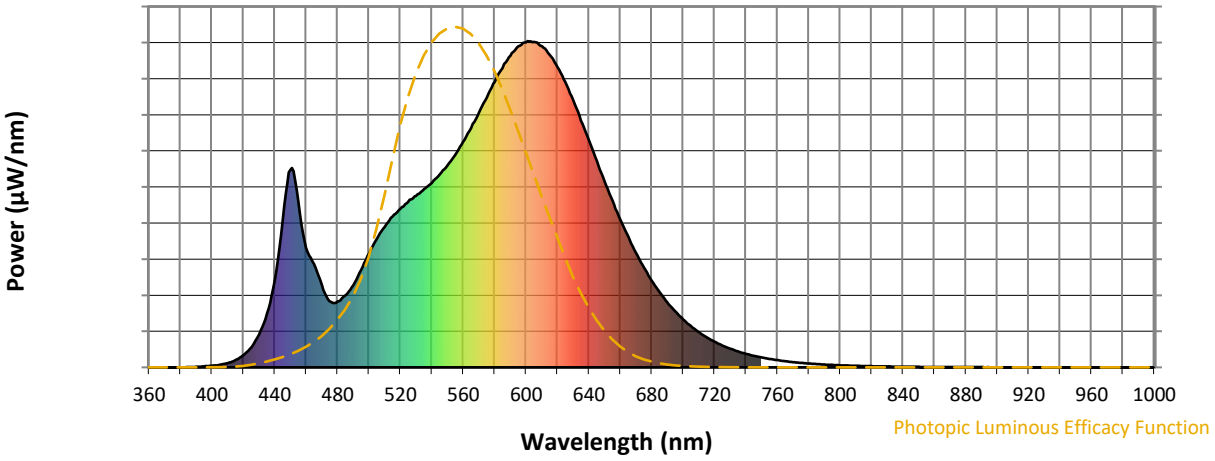


CCT = 3111K
CIE x = 0.4280
CIE y = 0.3986
Duv = -0.0009

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			

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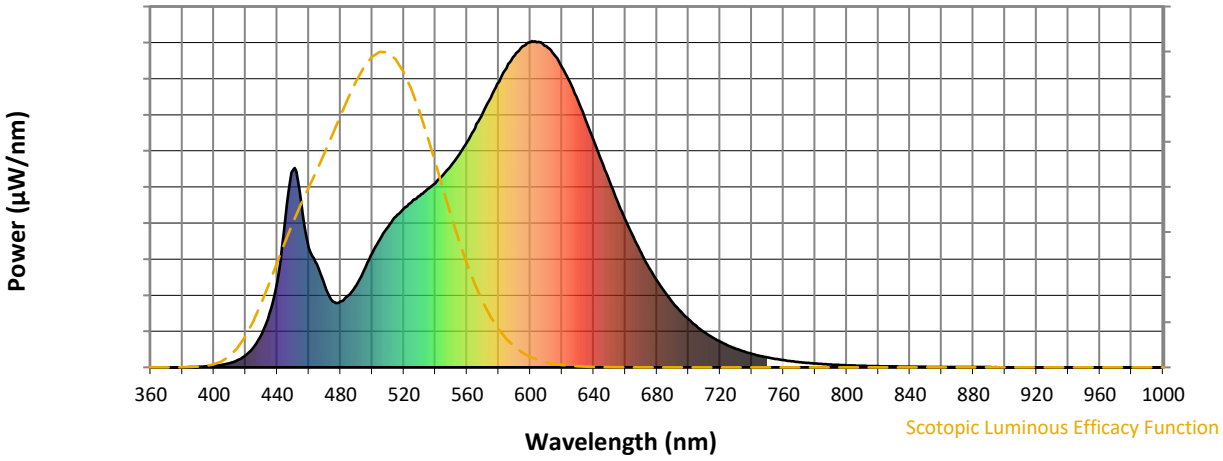
Scotopic Flux vs. Wavelength



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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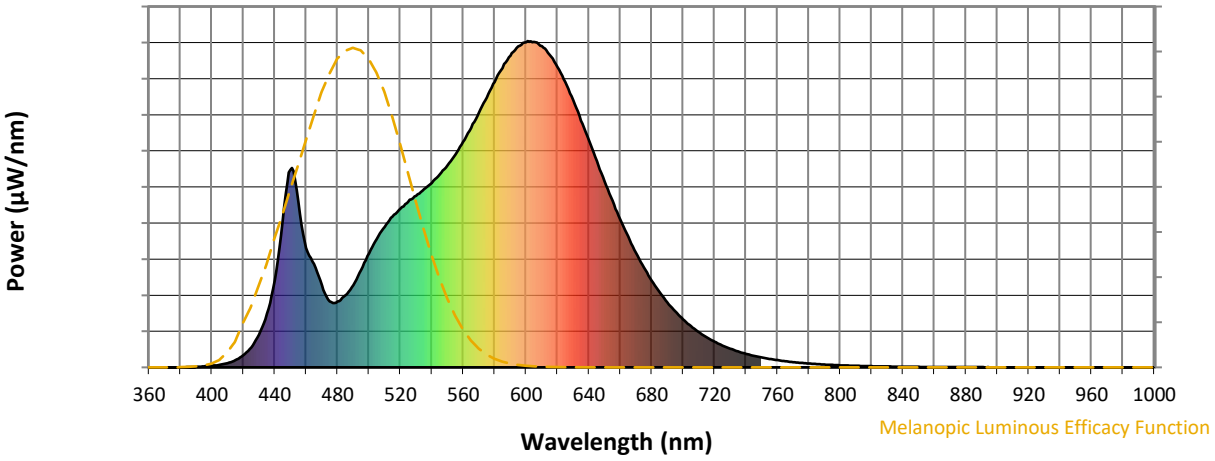
Melanopic Flux vs. Wavelength



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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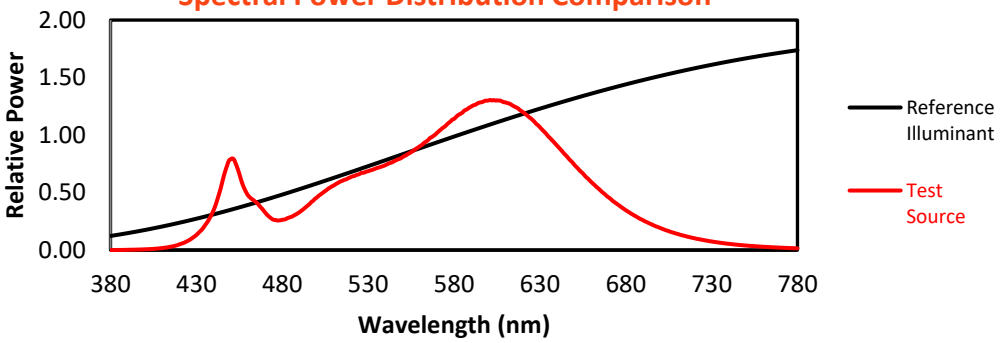
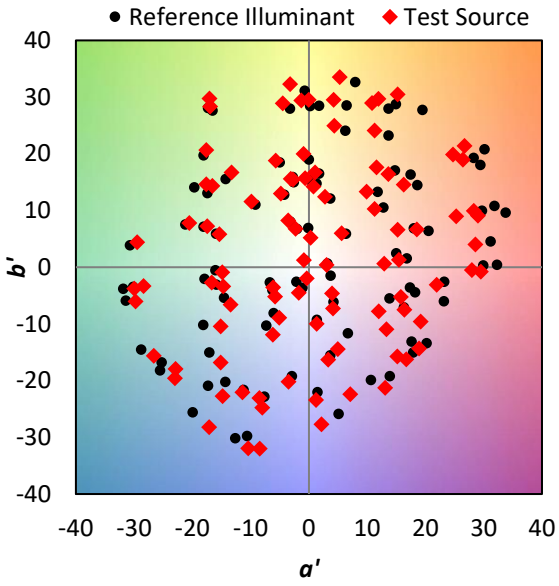
Summary

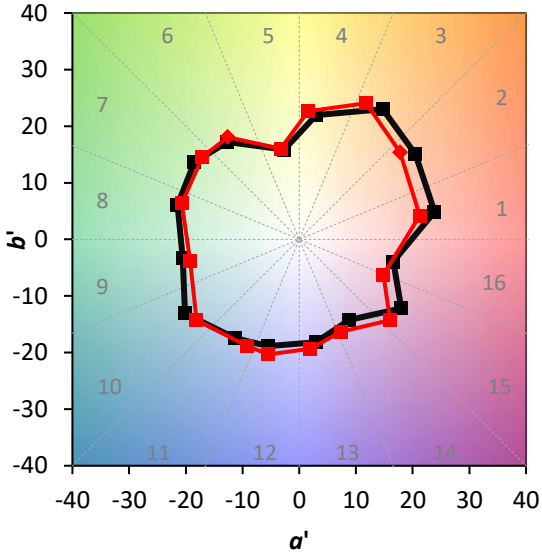
R_f = 85.3
R_g = 96.7
CIE R_a = 83.4
R_9 = 8.9

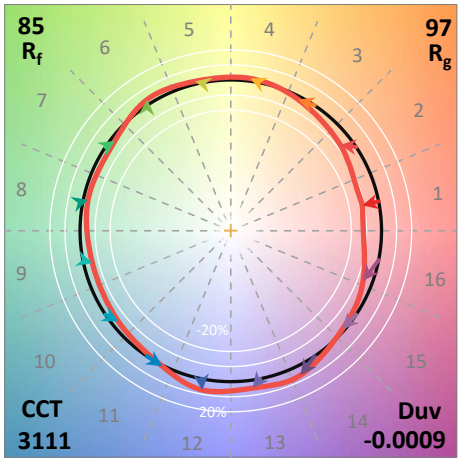
Spectral Power Distribution Comparison

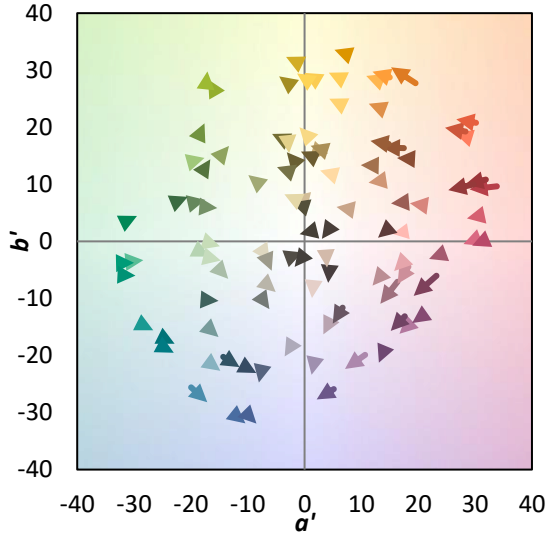


Color Vector Graphics









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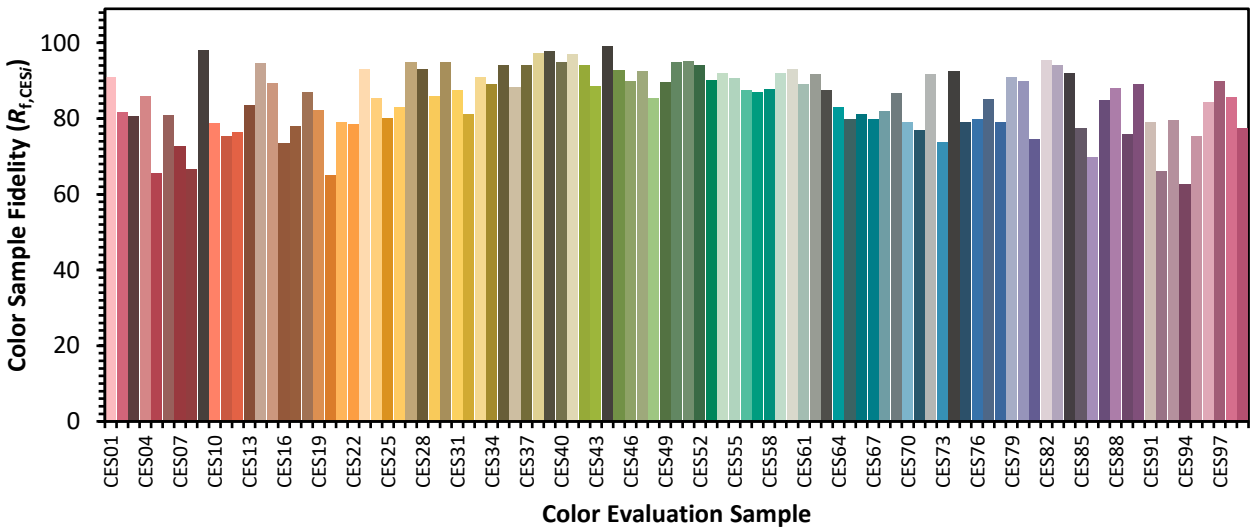
Individual Sample Fidelity Index ($R_{f,i}$)

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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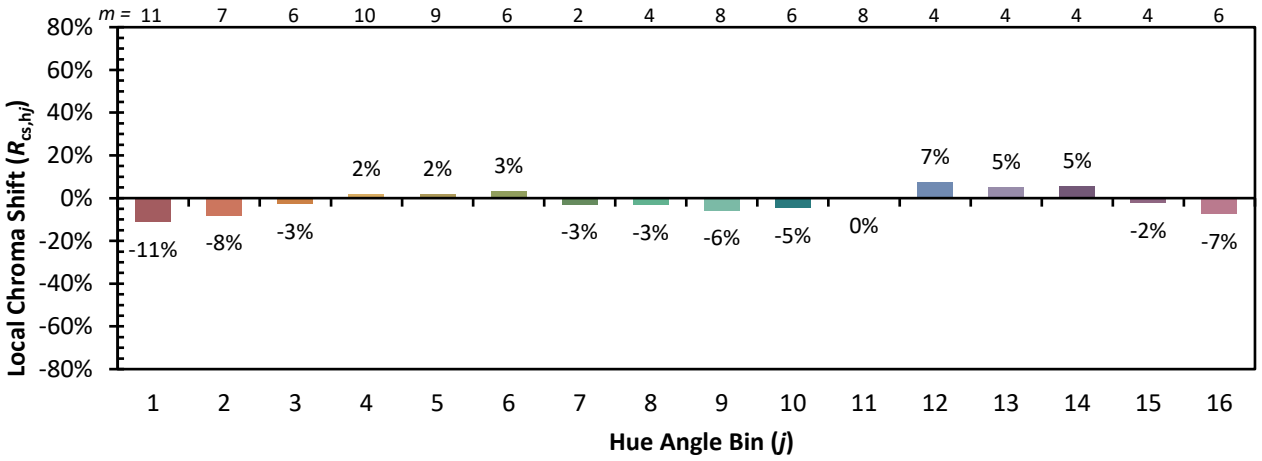
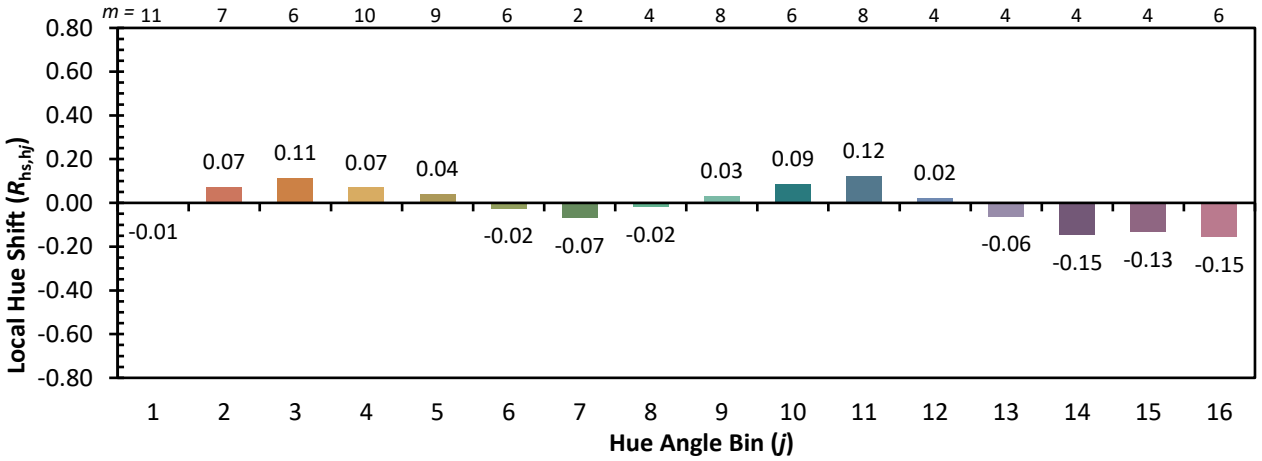
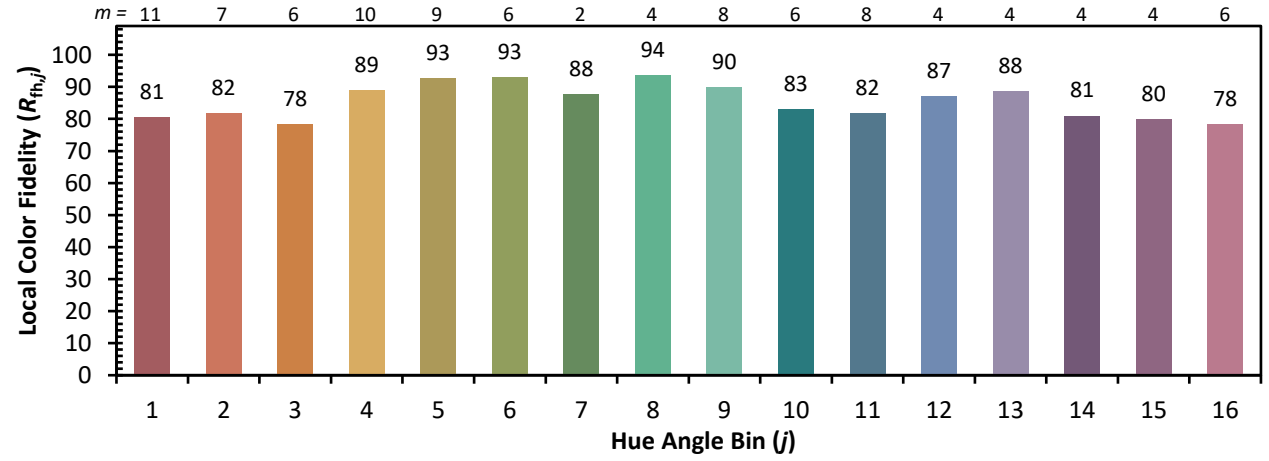
Color Rendition by Hue-Angle Bin







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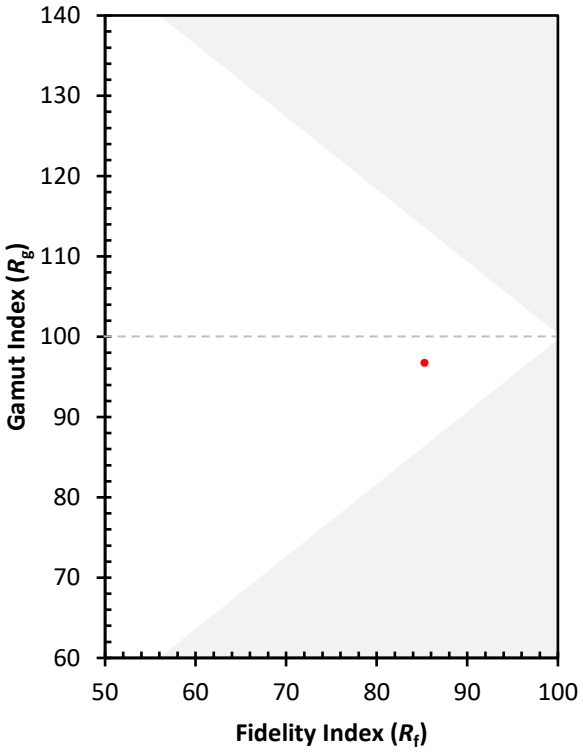
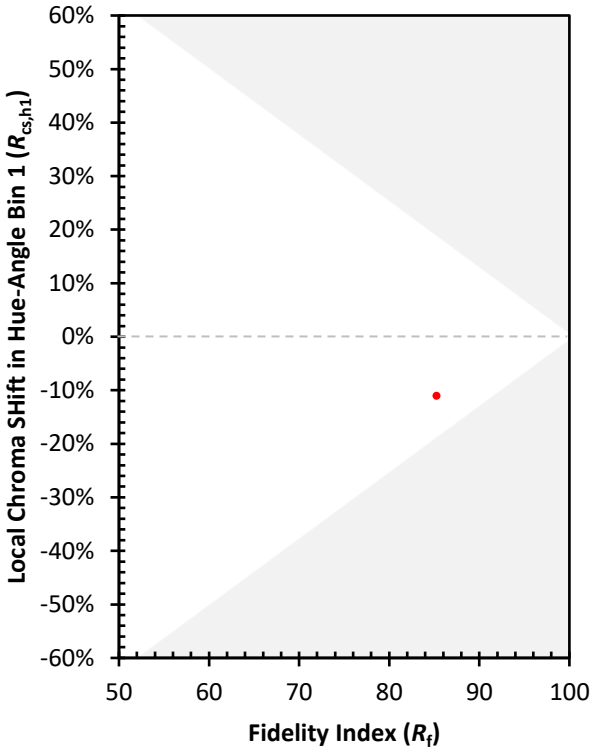
Measure Comparisons





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