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: STREETWORKS

Report Number: P981249

Luminaire Tested: **FFX-CLB-50-730-U-VM8-T5**

Issue Date: 04/15/2025

Report Generated By 670245763

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:	P981249
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-50-730-U-VM8-T5
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8244 lumens
Efficiency:	N/A
Efficacy:	162.9 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type V - Short
BUG Rating:	B2 - U5 - G3

Input Watts (W):	50.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.12%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

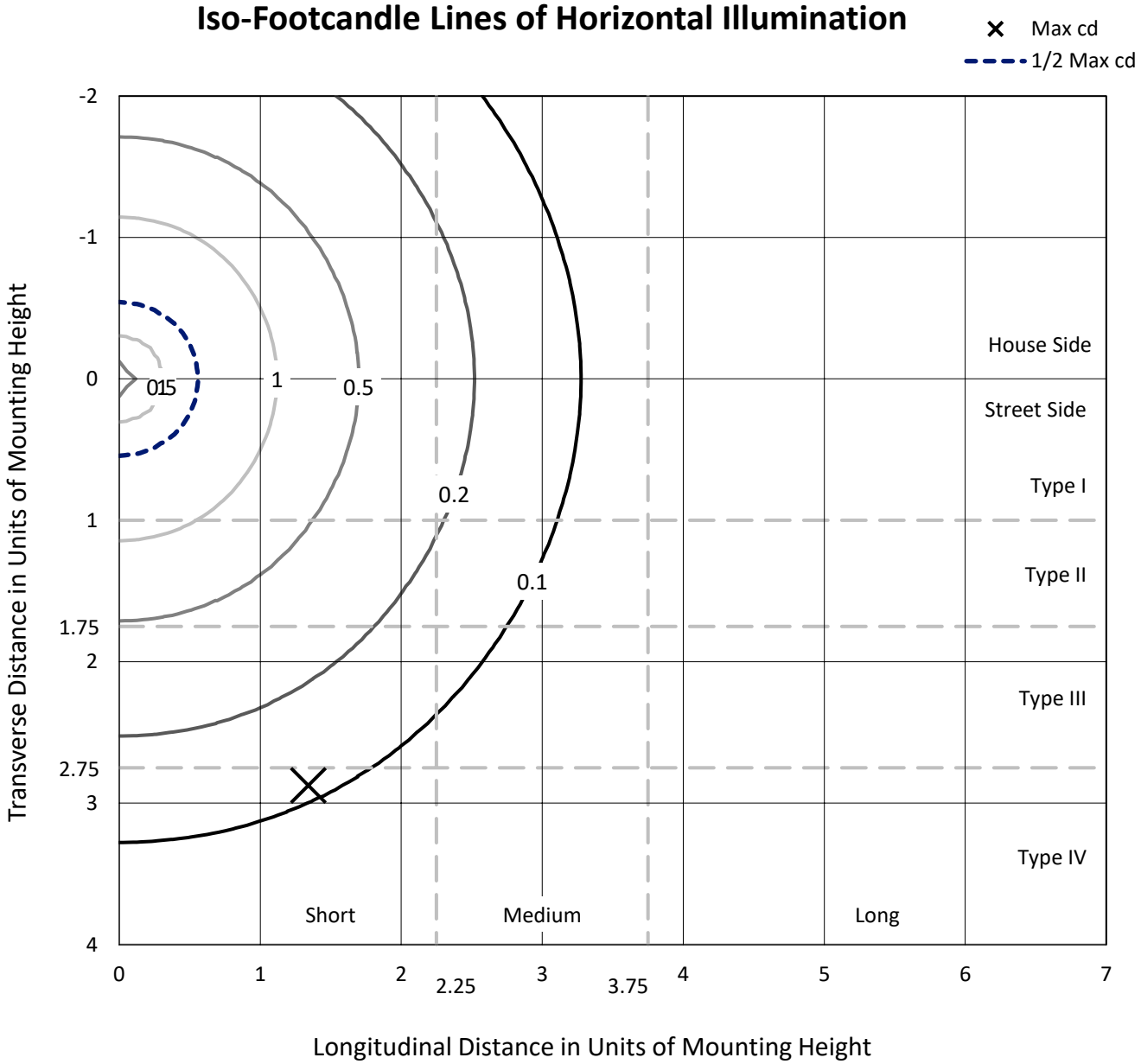


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REPORT NUMBER: P981249
CATALOG NUMBER: FFX-CLB-50-730-U-VM8-T5

Iso-Footcandle Lines of Horizontal Illumination



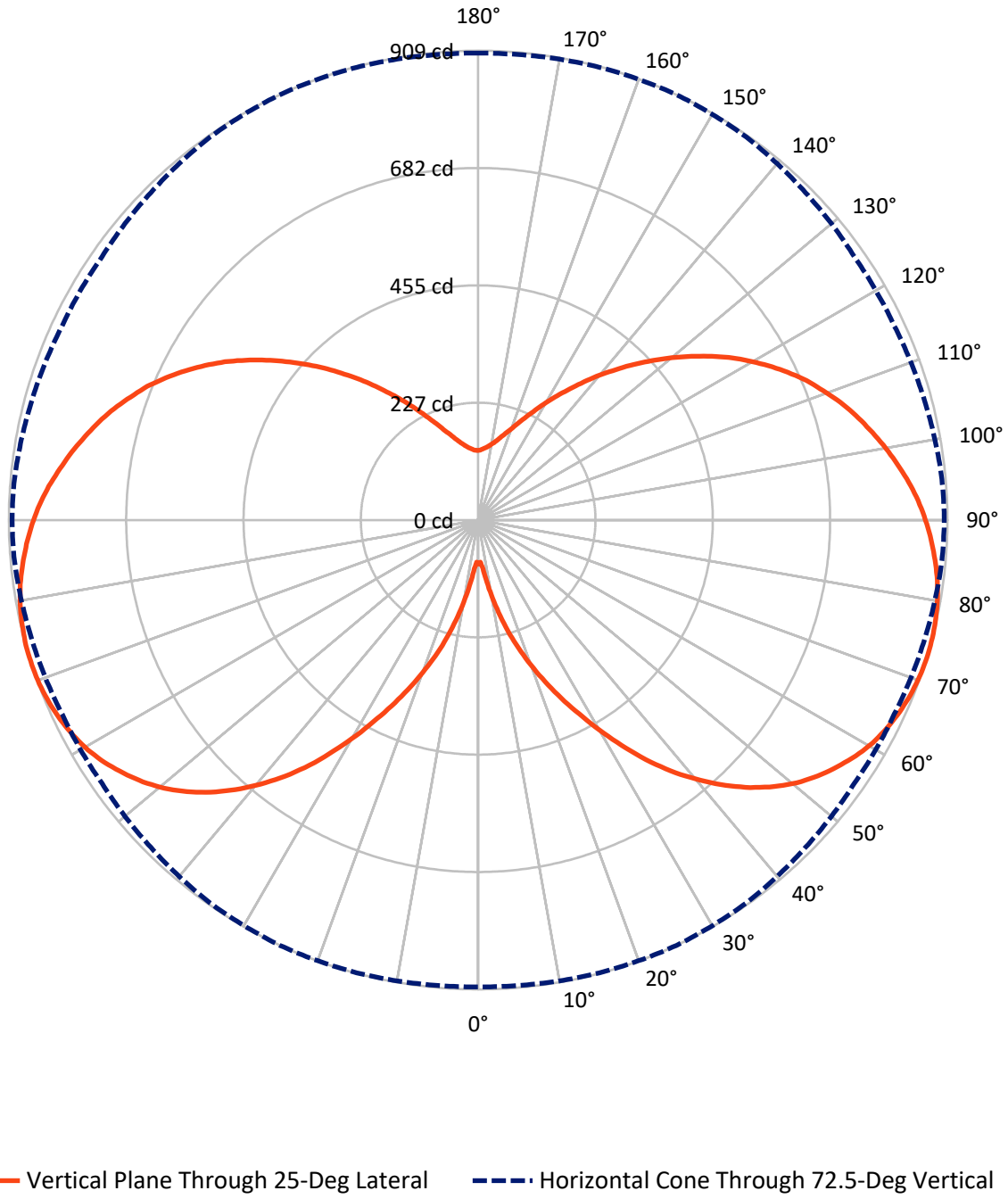
Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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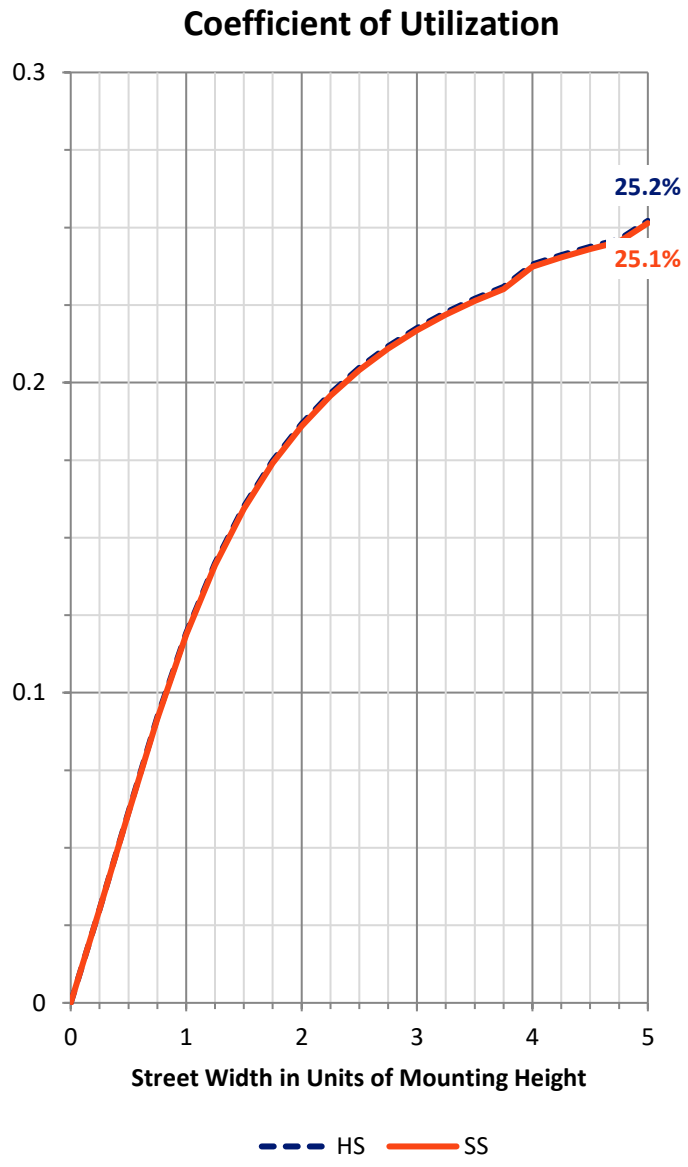
REPORT NUMBER: P981249
CATALOG NUMBER: FFX-CLB-50-730-U-VM8-T5

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2358.3	1763.7	4122.0
	% Fixture	28.6	21.4	50.0
Street Side	Lumens	2358.3	1763.7	4122.0
	% Fixture	28.6	21.4	50.0
Total	Lumens	4716.6	3527.4	8244.0
	% Fixture	57.2	42.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	67.1	0.8
20°-30°	181.5	2.2
30°-40°	358.3	4.3
40°-50°	564.6	6.8
50°-60°	748.1	9.1
60°-70°	879.6	10.7
70°-80°	950.3	11.5
80°-90°	956.2	11.6
90°-100°	900.3	10.9
100°-110°	795.7	9.7
110°-120°	656.0	8.0
120°-130°	490.4	5.9
130°-140°	327.4	4.0
140°-150°	194.5	2.4
150°-160°	102.4	1.2
160°-170°	47.2	0.6
170°-180°	13.5	0.2
0°-90°	4716.6	57.2
0°-180°	8244.0	100.0



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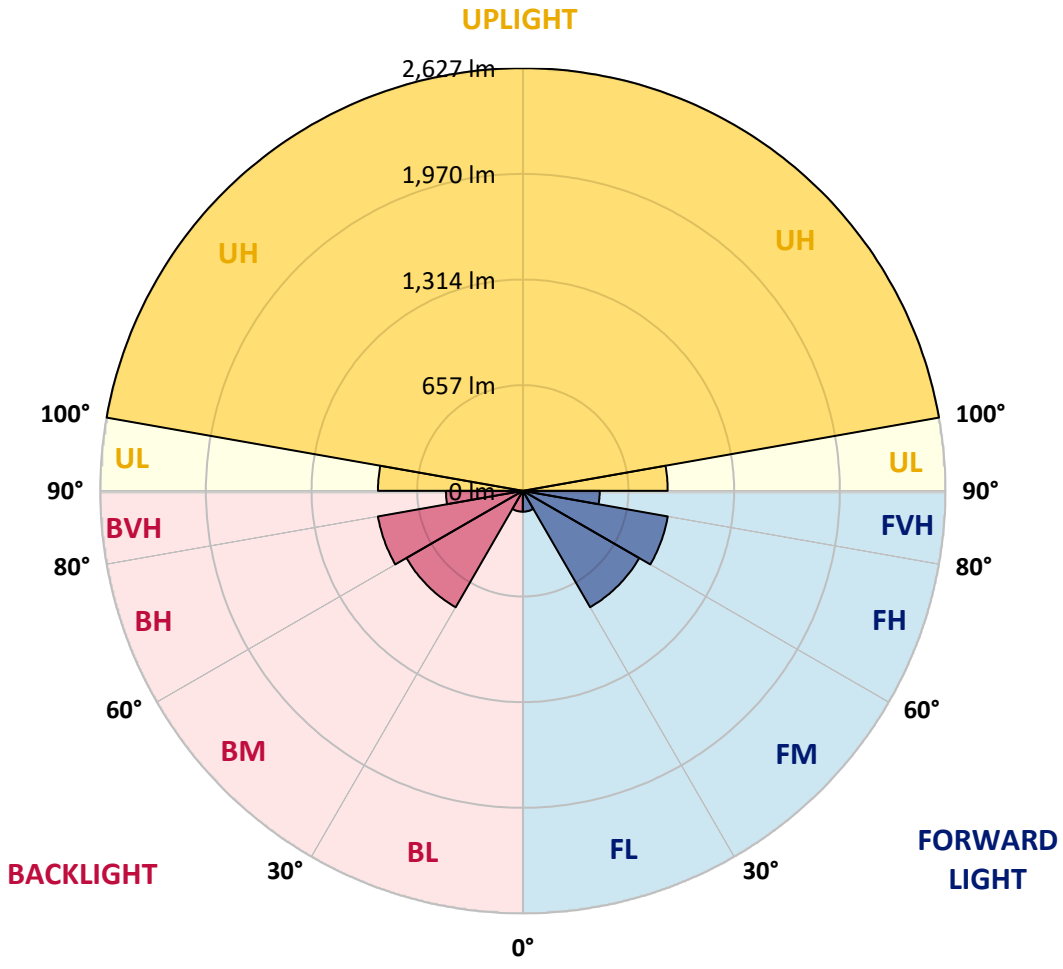
Scaled Data Report

REPORT NUMBER: P981249
CATALOG NUMBER: FFX-CLB-50-730-U-VM8-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	129.8	1.6			
FM	(30°-60°)	835.5	10.1			
FH	(60°-80°)	914.9	11.1			G1/1800
FVH	(80°-90°)	478.1	5.8			G3/500
BL	(0°-30°)	129.8	1.6	B1/500		
BM	(30°-60°)	835.5	10.1	B1/1000		
BH	(60°-80°)	914.9	11.1	B2/1000		G1/1800
BVH	(80°-90°)	478.1	5.8			G3/500
UL	(90°-100°)	900.3	10.9		U4/1000	
UH	(100°-180°)	2627.1	31.9		U5	

BUG Rating: B2-U5-G3
Type V Short



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REPORT NUMBER: P981249
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2.5°	80.5	80.5	81.0	81.5	82.0	82.5	83.1	83.6	84.1	83.6	83.6
5°	92.9	93.9	93.9	93.9	93.4	93.9	94.9	94.9	96.0	95.4	94.9
7.5°	119.2	121.8	121.8	121.2	120.7	121.2	120.7	120.7	120.7	120.2	121.2
10°	155.3	154.3	154.8	154.3	153.2	153.7	154.3	153.2	153.2	153.2	153.2
12.5°	190.4	189.9	191.4	190.9	191.4	189.9	190.9	189.9	189.9	188.3	188.8
15°	231.7	231.7	231.1	229.6	230.1	228.0	229.1	228.6	227.0	227.0	226.5
17.5°	269.8	269.3	269.8	267.8	267.8	267.3	266.2	265.7	265.7	264.2	263.6
20°	308.0	307.0	306.5	306.5	304.9	304.9	303.9	301.8	300.8	301.3	300.3
22.5°	349.3	347.2	347.2	347.2	344.1	343.1	342.6	340.5	340.5	339.0	339.0
25°	390.6	391.1	391.1	389.0	387.5	385.4	384.4	382.8	381.3	380.8	381.3
27.5°	436.0	437.0	435.4	431.8	431.3	429.3	426.7	424.6	425.1	422.5	424.6
30°	485.5	483.4	480.3	479.3	477.2	475.2	473.1	469.0	469.5	468.5	469.0
32.5°	530.9	530.9	529.9	526.8	525.2	520.6	518.5	513.4	513.9	513.4	511.3
35°	580.4	578.9	576.8	576.3	571.1	568.0	564.4	558.8	559.8	559.3	559.8
37.5°	622.2	622.7	623.8	621.2	616.5	612.4	608.3	604.2	603.1	603.6	602.6
40°	667.6	667.1	666.1	663.0	659.4	654.7	649.6	647.0	643.9	645.9	645.4
42.5°	704.8	706.3	705.8	702.7	698.1	693.4	689.3	685.2	683.6	683.1	683.1
45°	740.9	741.4	739.8	739.3	733.1	729.0	723.9	720.2	719.2	719.2	720.8
47.5°	774.4	773.9	772.9	771.8	767.2	761.0	754.8	752.2	751.7	752.7	753.3
50°	801.2	802.3	801.8	800.2	795.6	789.9	783.2	780.6	781.1	782.2	782.7
52.5°	825.5	825.5	826.0	823.9	819.8	813.6	807.4	805.4	805.4	806.9	805.9
55°	844.1	845.1	845.6	844.1	841.5	834.3	828.1	824.5	826.0	827.6	828.1
57.5°	861.6	862.6	862.6	862.6	858.5	851.8	845.6	842.5	844.6	847.2	847.7
60°	875.5	876.0	877.6	877.6	874.0	866.2	859.5	857.0	859.5	863.2	862.6
62.5°	885.9	885.9	887.9	888.4	884.8	877.1	870.4	868.3	871.4	875.5	877.1
65°	894.6	895.1	896.7	897.2	894.1	885.3	878.1	877.6	881.7	885.9	886.4
67.5°	899.3	899.8	902.4	903.4	899.8	891.0	884.3	882.8	888.4	893.6	894.1
70°	902.4	903.4	906.5	907.5	903.9	894.6	887.4	886.9	893.1	898.8	899.3
72.5°	904.4	904.9	908.0	909.1	905.5	896.7	889.5	889.5	895.1	901.8	902.9
75°	904.4	904.9	907.5	909.1	905.5	896.2	888.4	888.4	896.2	902.9	904.4
77.5°	900.3	901.8	904.9	906.5	902.9	893.6	886.4	886.4	894.1	901.3	902.9
80°	896.2	896.7	900.3	902.4	898.2	889.5	881.7	881.7	890.0	897.7	898.8
82.5°	889.5	890.0	893.6	895.7	892.0	882.8	875.0	875.5	883.3	891.0	892.0
85°	880.2	881.2	884.8	886.4	883.3	873.5	866.2	866.8	875.0	882.2	883.3
87.5°	870.4	870.4	874.5	876.0	873.0	863.2	855.9	855.9	864.2	871.9	872.4
90°	857.0	858.0	861.6	864.2	860.1	851.8	844.1	844.1	851.8	859.0	861.1
92.5°	844.6	845.1	848.7	850.3	846.6	837.9	831.2	831.2	838.9	846.1	847.2
95°	829.6	829.6	832.2	834.3	830.1	822.9	816.7	816.7	822.9	829.1	830.1
97.5°	813.6	813.6	816.7	816.2	813.1	805.4	800.2	799.7	805.9	811.0	812.6
100°	795.6	796.6	798.7	798.1	795.6	787.8	783.2	783.2	787.8	792.5	793.5
102.5°	778.0	778.0	779.1	778.5	774.9	768.2	765.6	765.1	769.3	772.3	772.9
105°	760.0	760.0	758.9	758.9	754.3	749.1	746.0	746.0	749.6	751.7	751.7
107.5°	739.3	738.3	739.3	737.8	733.1	728.0	726.4	725.9	727.5	729.5	728.5
110°	718.2	717.7	717.1	714.0	710.4	707.3	704.8	704.8	706.3	706.8	706.8

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Scaled Data Report

REPORT NUMBER: P981249
CATALOG NUMBER: FFX-CLB-50-730-U-VM8-T5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	696.0	695.5	693.9	*691.3*	687.2	684.1	682.1	682.1	682.6	682.1	681.0
115°	671.7	670.7	669.2	*664.5*	660.4	658.3	657.3	658.3	657.8	656.3	656.3
117.5°	645.4	644.4	641.8	*636.7*	633.0	631.5	632.0	631.5	630.5	628.9	629.4
120°	616.0	616.0	611.9	*607.8*	604.7	604.7	604.2	604.2	602.6	600.5	599.5
122.5°	585.6	585.6	582.0	*578.4*	574.7	574.7	575.3	574.7	573.7	571.7	570.6
125°	556.2	553.6	550.5	*546.4*	543.8	543.3	544.8	545.3	543.3	540.7	541.2
127.5°	523.7	522.1	519.0	*514.4*	512.3	511.8	513.4	514.4	511.8	510.3	509.7
130°	489.6	488.6	486.0	*482.4*	480.3	480.8	482.4	483.9	481.4	479.8	478.8
132.5°	456.1	456.1	454.5	*450.9*	448.3	450.4	451.4	452.5	449.9	449.4	448.9
135°	425.6	425.1	422.0	*420.0*	417.9	418.4	420.5	420.0	419.5	418.4	417.4
137.5°	394.2	394.2	392.6	*389.0*	389.0	389.5	390.6	390.6	391.1	389.0	389.5
140°	364.8	364.2	363.2	*360.6*	359.1	360.1	361.2	361.7	361.7	359.6	360.1
142.5°	336.9	336.4	333.3	*331.7*	331.7	332.3	332.8	333.3	333.3	332.3	332.8
145°	307.0	308.0	306.5	*304.9*	304.9	304.9	306.5	307.0	307.5	306.5	306.5
147.5°	282.2	283.2	281.7	*280.7*	280.7	280.7	281.7	282.2	281.2	281.7	281.7
150°	259.0	259.0	258.0	*257.4*	256.9	257.4	258.5	259.0	259.0	258.0	258.0
152.5°	236.8	236.3	235.8	*235.8*	235.8	235.8	236.8	236.8	237.3	237.3	236.3
155°	217.7	217.2	217.2	*216.7*	217.2	217.2	217.2	217.7	217.7	218.2	218.8
157.5°	200.2	199.7	200.2	*200.2*	200.2	200.7	200.7	201.2	200.2	200.7	201.2
160°	185.7	186.3	185.7	*185.2*	185.2	185.7	185.7	186.3	186.3	185.7	186.3
162.5°	173.4	173.4	172.8	*173.4*	173.9	173.4	173.4	173.9	173.9	173.9	173.9
165°	163.5	163.0	163.0	*163.0*	163.0	163.0	163.5	163.5	163.5	163.5	164.1
167.5°	154.8	154.3	154.3	*154.3*	154.8	154.8	154.8	155.3	155.3	155.3	154.8
170°	148.1	147.6	147.6	*147.6*	148.1	148.1	148.1	148.1	148.1	148.1	148.1
172.5°	142.4	142.4	142.4	*142.4*	142.4	142.4	142.4	142.4	142.4	142.9	142.4
175°	138.8	138.8	138.8	*138.8*	138.3	138.3	138.8	138.8	138.8	138.8	138.8
177.5°	135.7	135.7	136.2	*135.7*	135.7	135.7	136.2	136.2	136.2	135.7	135.7
180°	134.7	134.7	134.7	*134.7*	134.7	134.7	134.7	134.7	134.7	134.7	134.7

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

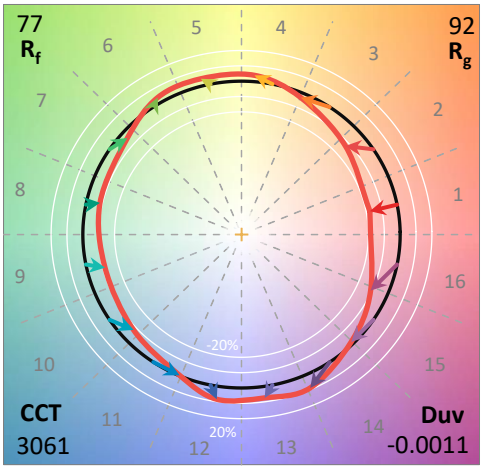
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061	CRI (Ra):	71.7		
CIE u':	0.2489	R1:	67.8	R9:	-40.3
CIE v':	0.5187	R2:	85.0	R10:	67.2
Duv:	-0.0011	R3:	92.9	R11:	61.6
CIE x:	0.4312	R4:	66.0	R12:	59.9
CIE y:	0.3995	R5:	68.5	R13:	71.4
CIE z:	0.1693	R6:	80.2	R14:	96.3
Peak Wavelength (nm):	592	R7:	74.5	R15:	58.8
Dominant Wavelength (nm):	582	R8:	39.0		
Purity:	49.32381				

Rf:	76.8
Rg:	92.2



Test Conditions

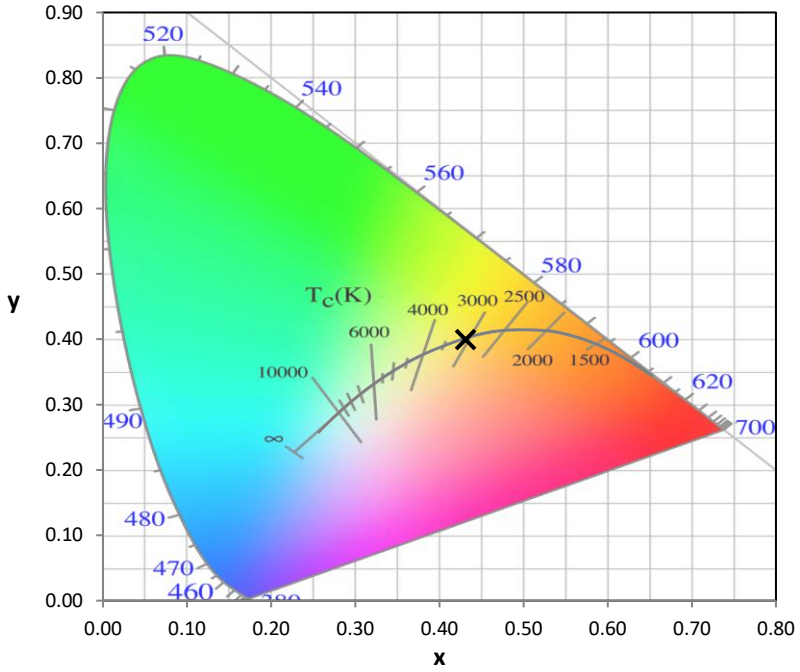
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

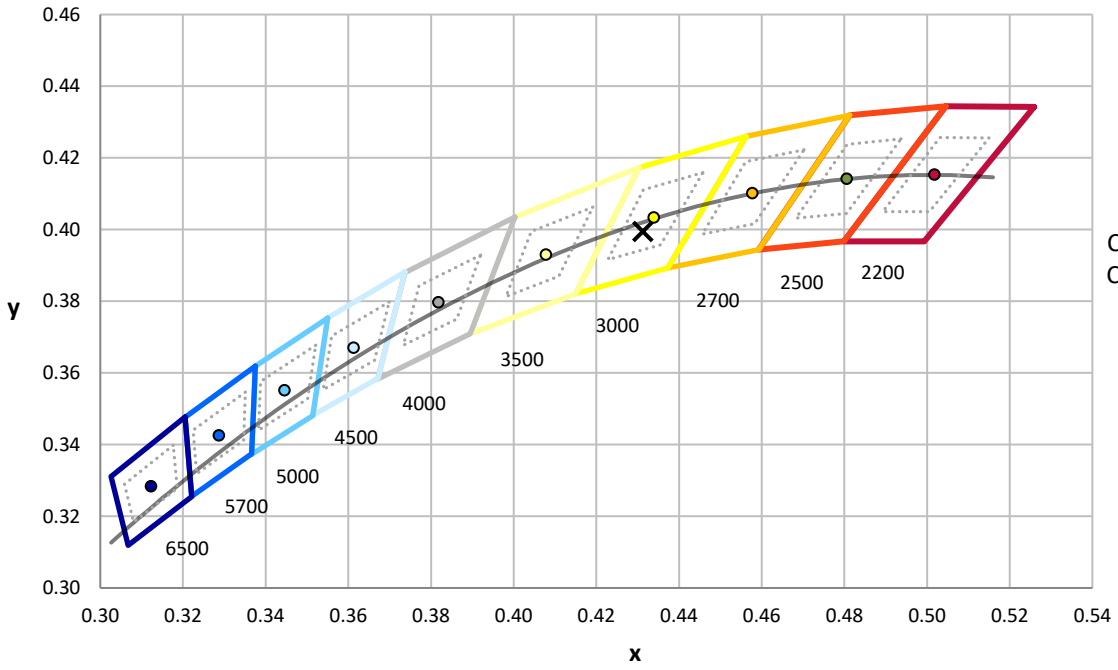
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

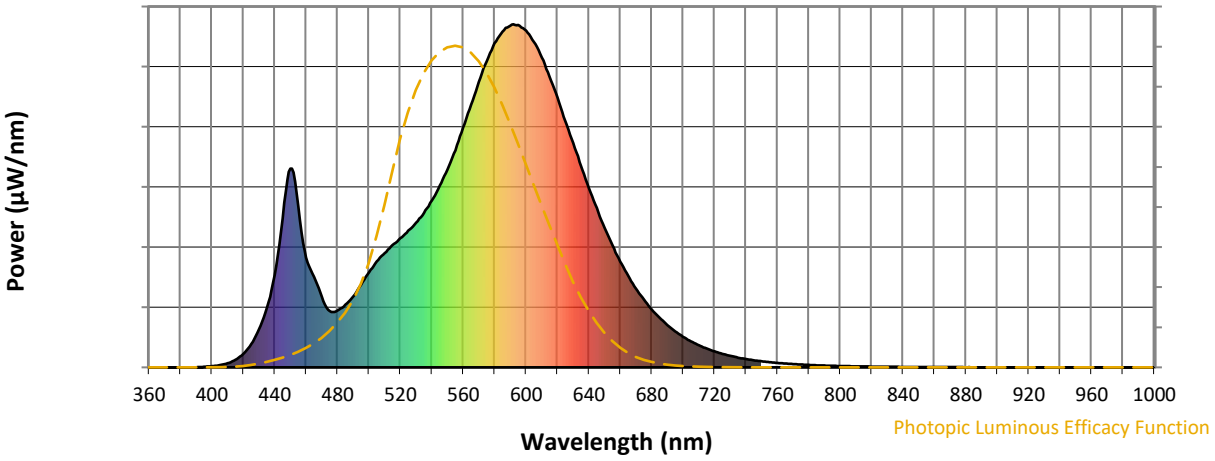


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

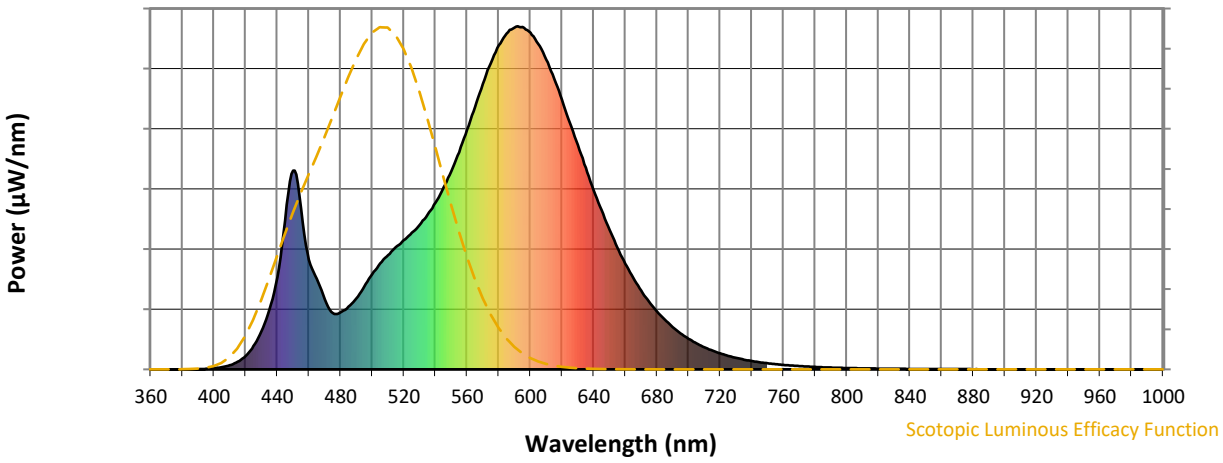


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

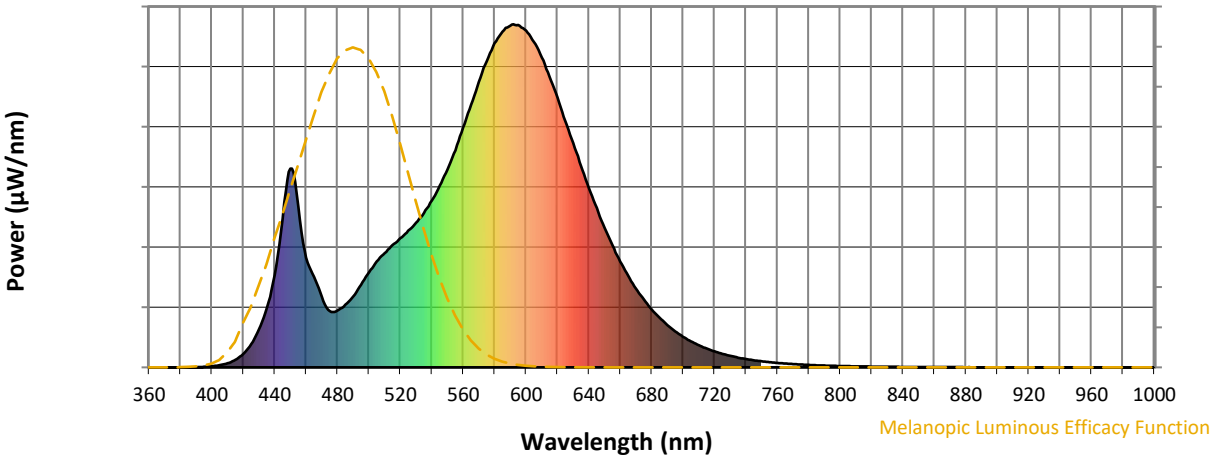


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

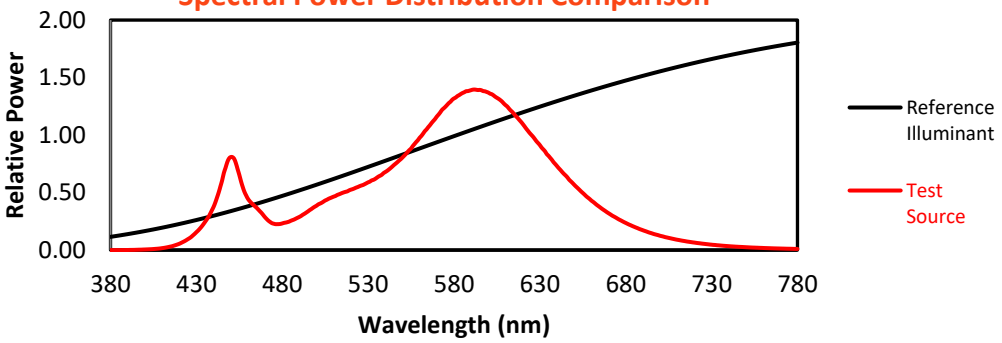
REPORT NUMBER: SP1-2501-332-4

TM-30-18

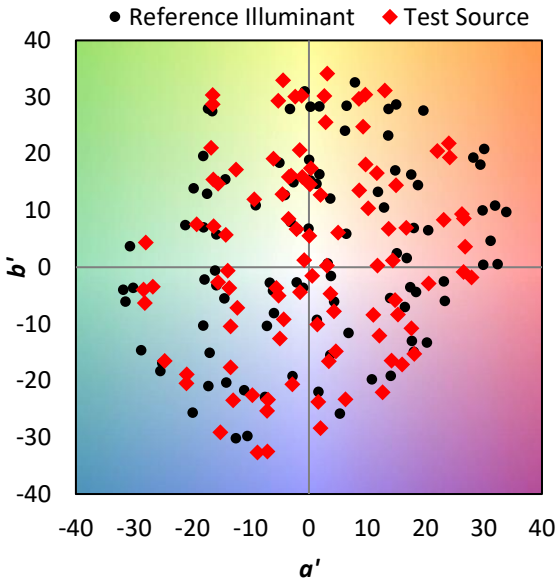
Summary

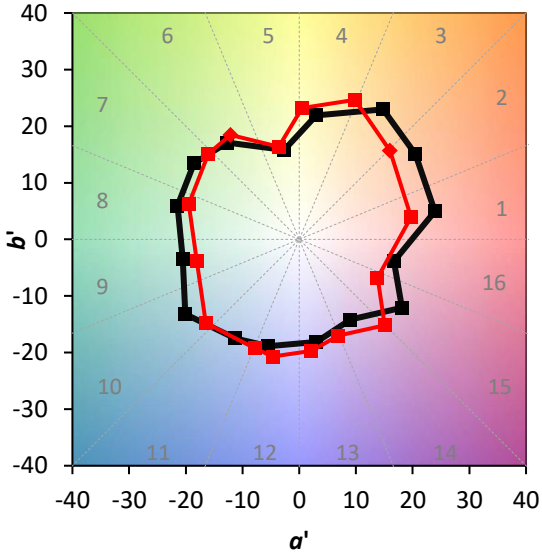
R_f = 76.8
R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

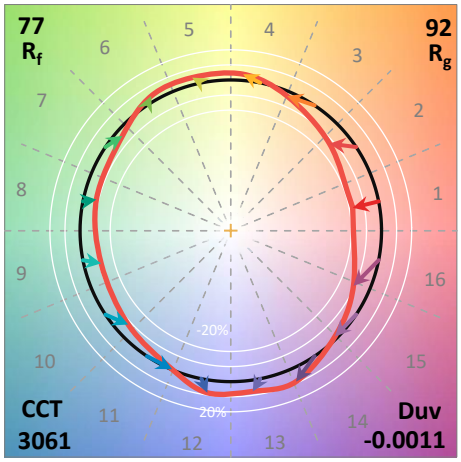
Spectral Power Distribution Comparison

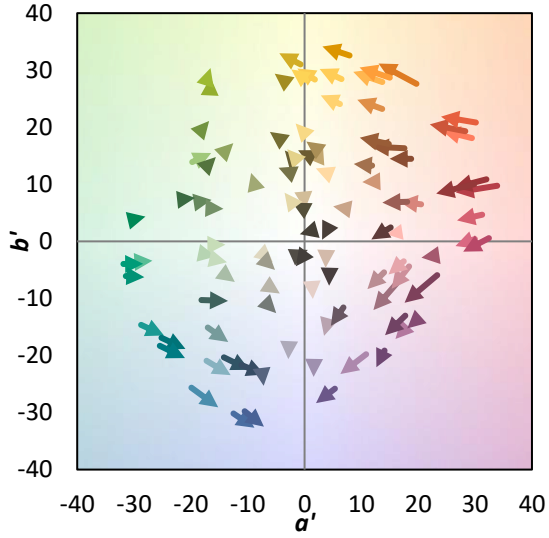


Color Vector Graphics







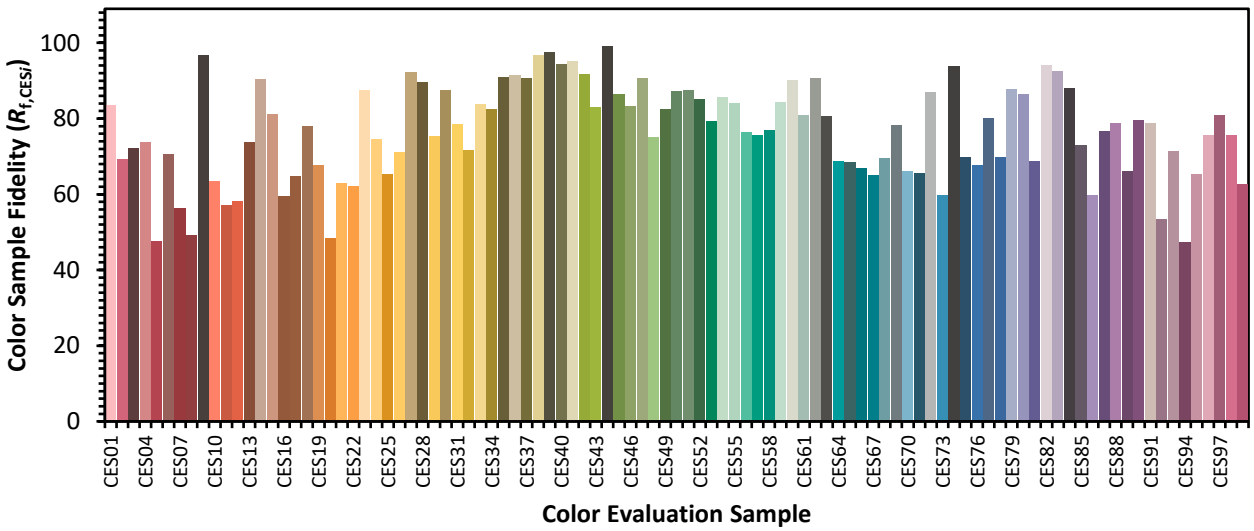


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

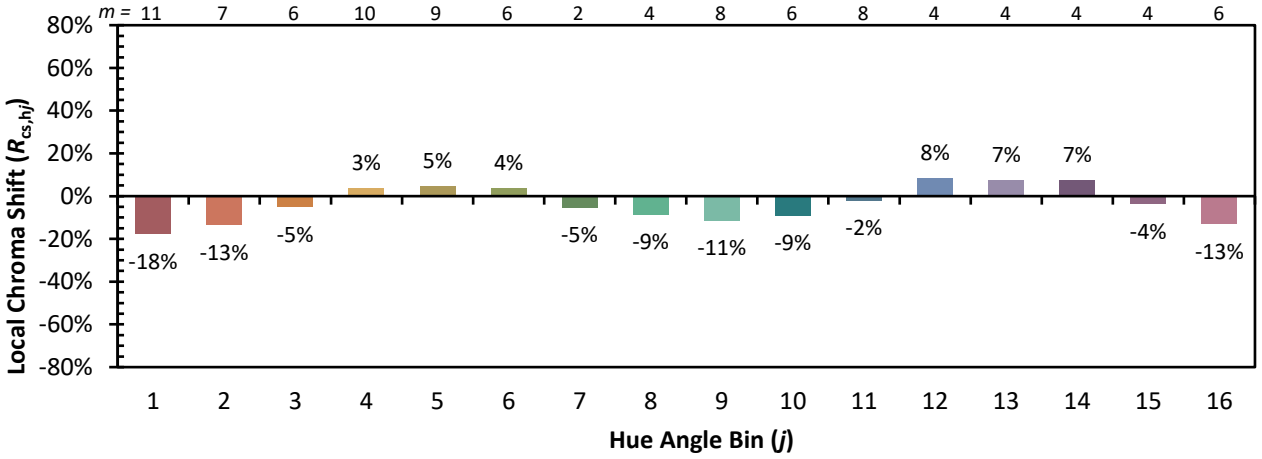
CES01 = 86	CES26 = 71	CES51 = 88	CES76 = 68
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
CES25 = 73	CES50 = 87	CES75 = 70	

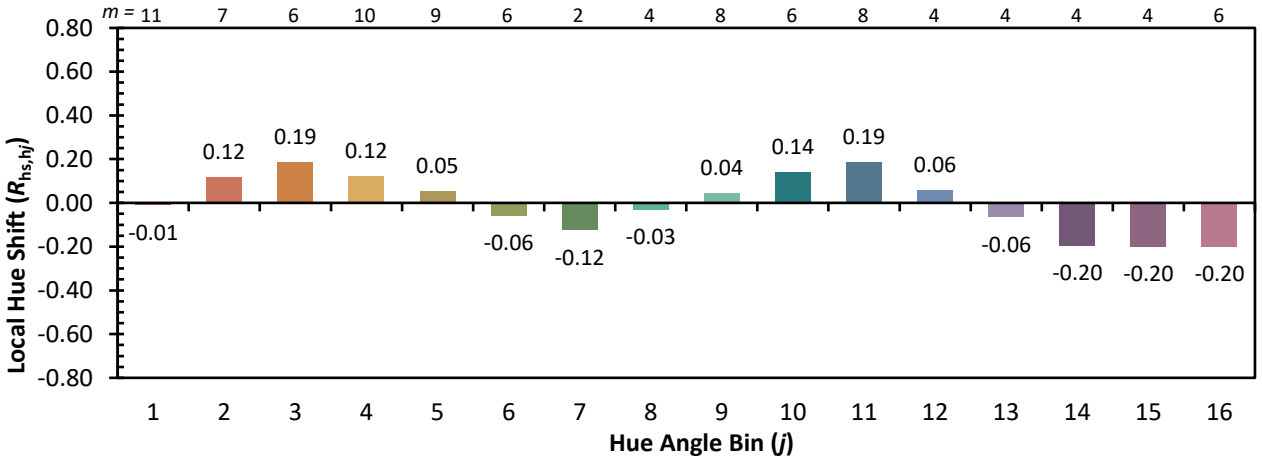


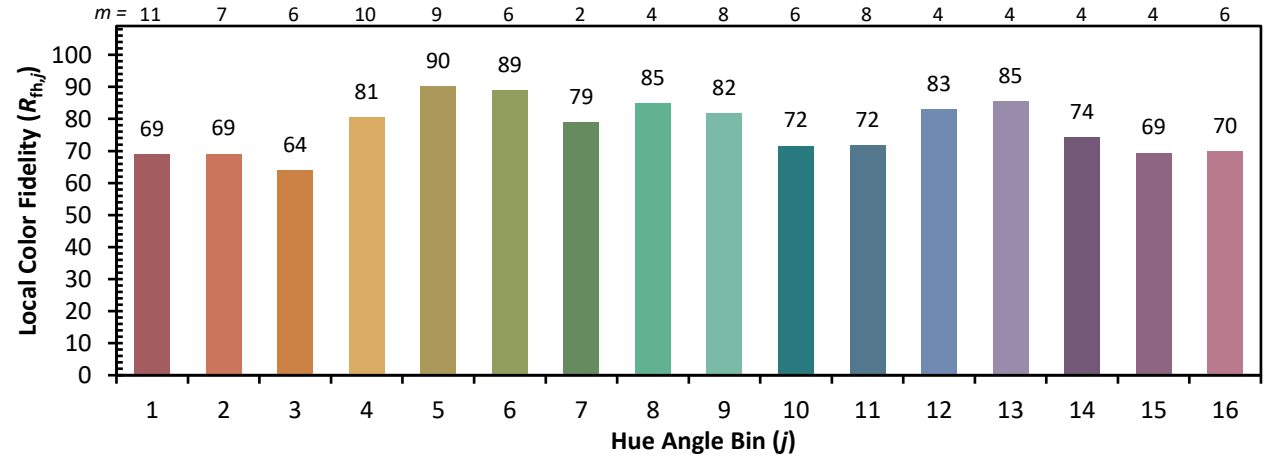
REPORT NUMBER: SP1-2501-332-4

TM-30-18

Color Rendition by Hue-Angle Bin



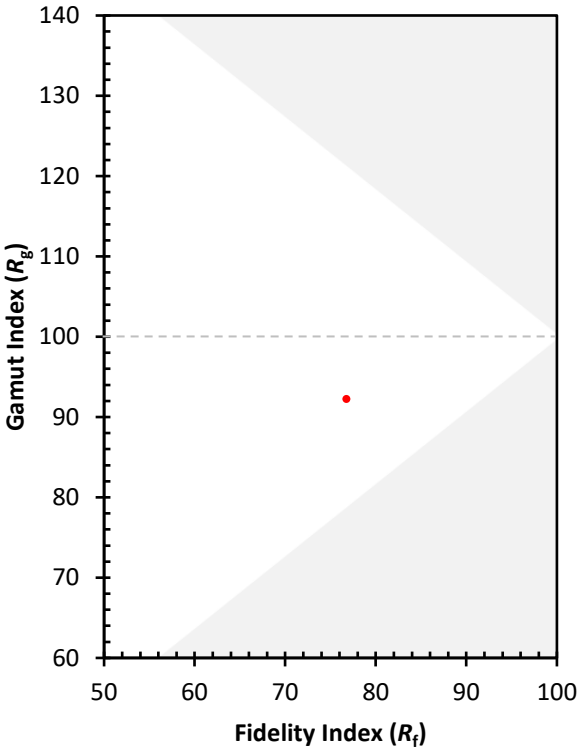


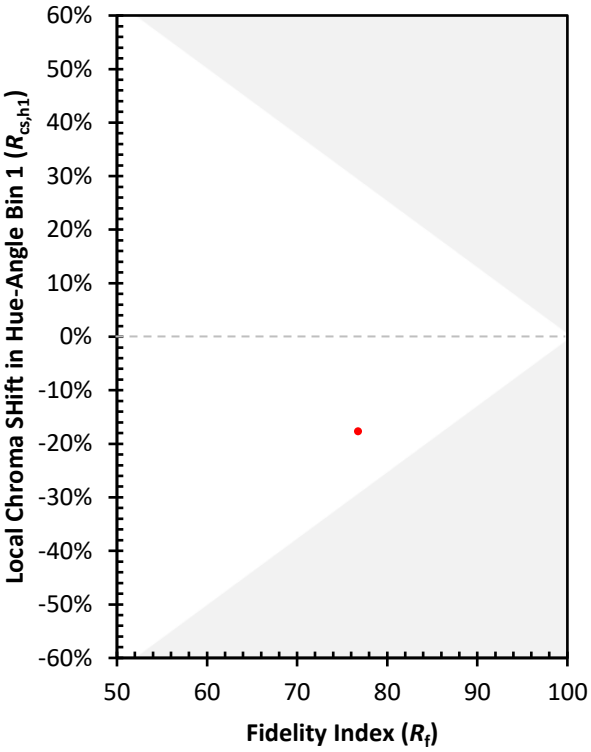


REPORT NUMBER: SP1-2501-332-4

TM-30-18

Measure Comparisons





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