

Signify Classified - Internal
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: P856358

Luminaire Tested: **FFX-CLB-50-740-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856358
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-50-740-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

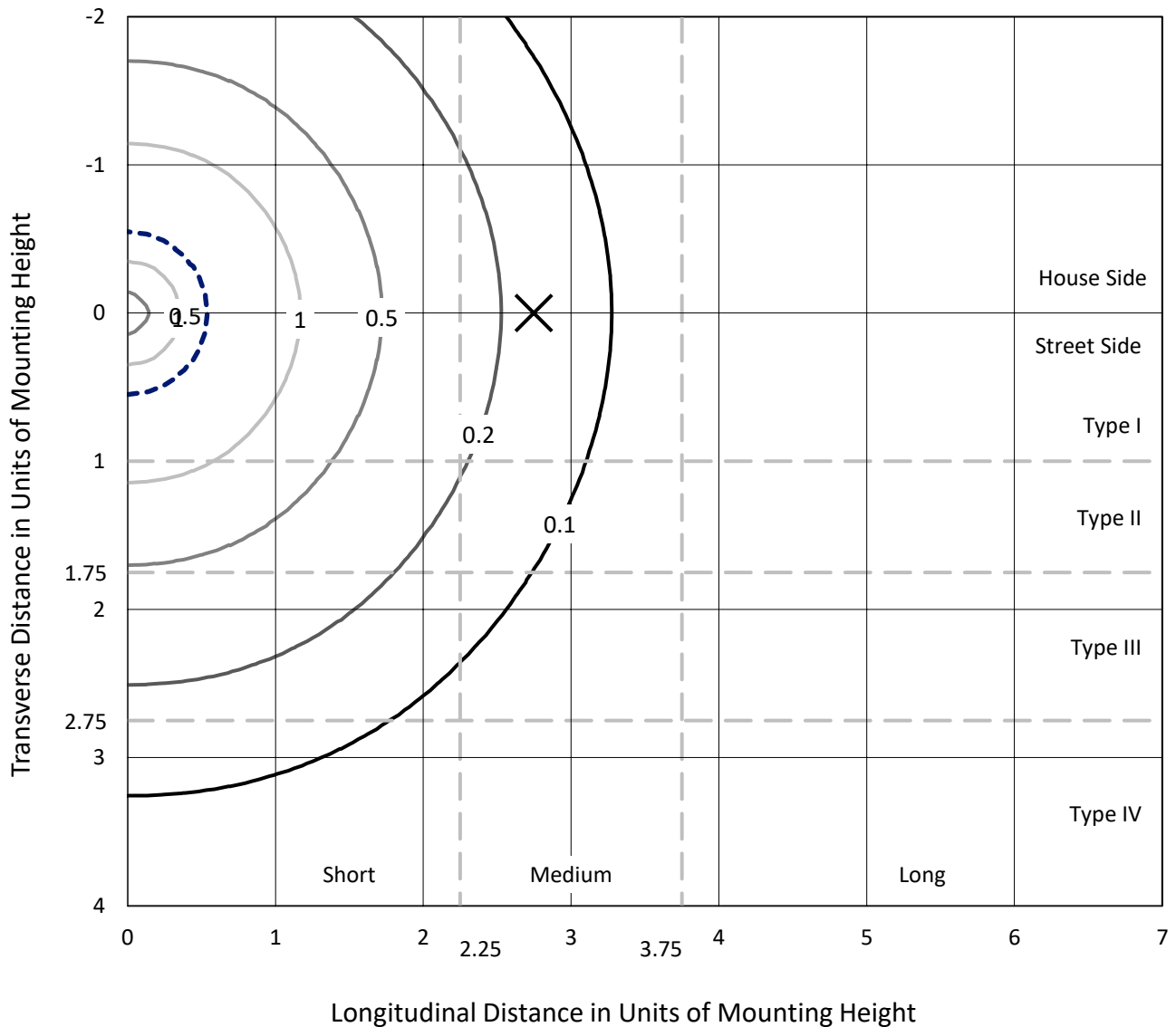
Lumens per Lamp: N/A
Luminaire Lumens: 8348.9 lumens
Efficiency: N/A
Efficacy: 165.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 50.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.0%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P856358
 CATALOG NUMBER: FFX-CLB-50-740-U-VM8

Iso-Footcandle Lines of Horizontal Illumination

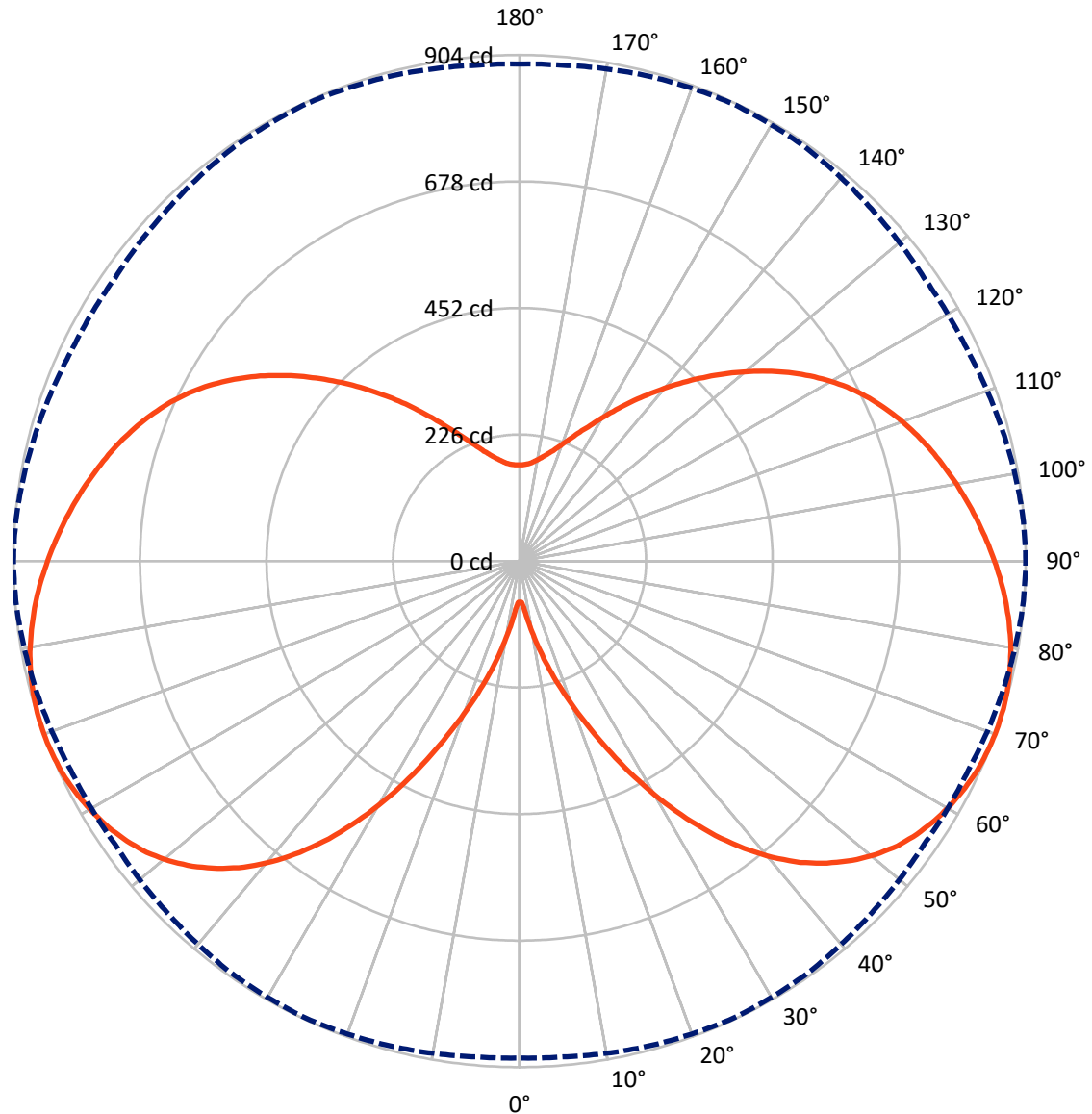
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P856358
CATALOG NUMBER: FFX-CLB-50-740-U-VM8

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P856358
 CATALOG NUMBER: FFX-CLB-50-740-U-VM8

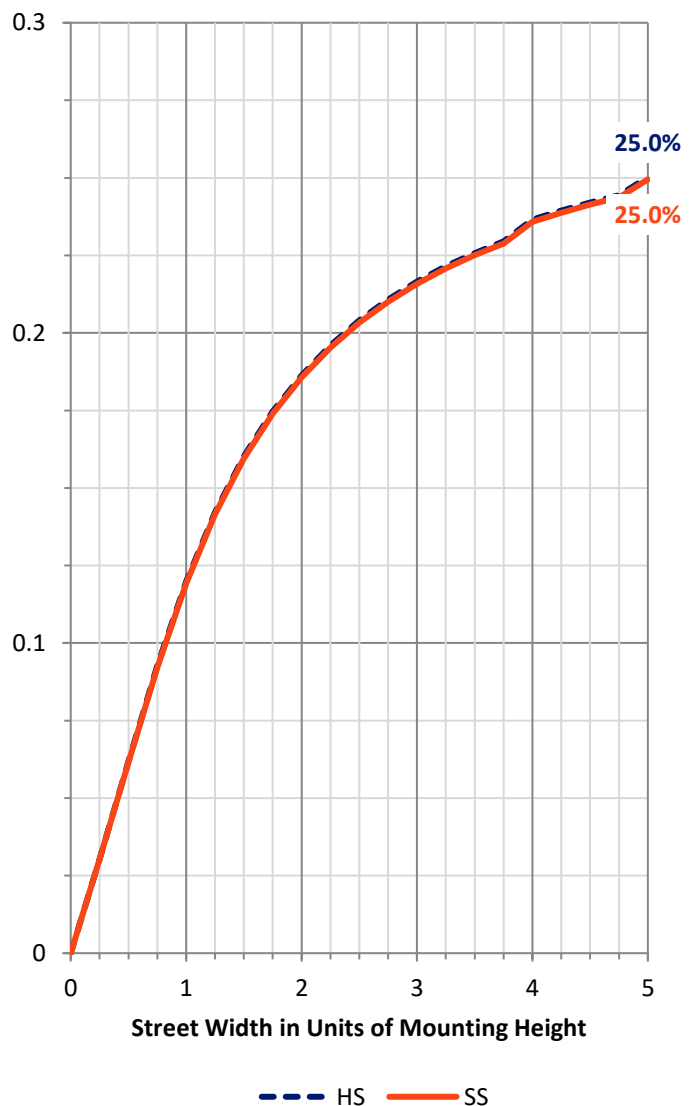
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2364.3	1810.1	4174.4
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	2364.3	1810.1	4174.4
	% Fixture	28.3	21.7	50.0
Total	Lumens	4728.7	3620.2	8348.9
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.1
10°-20°	59.8	0.7
20°-30°	178.3	2.1
30°-40°	372.9	4.5
40°-50°	585.3	7.0
50°-60°	759.7	9.1
60°-70°	879.4	10.5
70°-80°	941.4	11.3
80°-90°	942.1	11.3
90°-100°	888.5	10.6
100°-110°	795.0	9.5
110°-120°	668.5	8.0
120°-130°	512.8	6.1
130°-140°	350.8	4.2
140°-150°	214.1	2.6
150°-160°	117.0	1.4
160°-170°	56.7	0.7
170°-180°	16.9	0.2
0°-90°	4728.7	56.6
0°-180°	8348.9	100.0

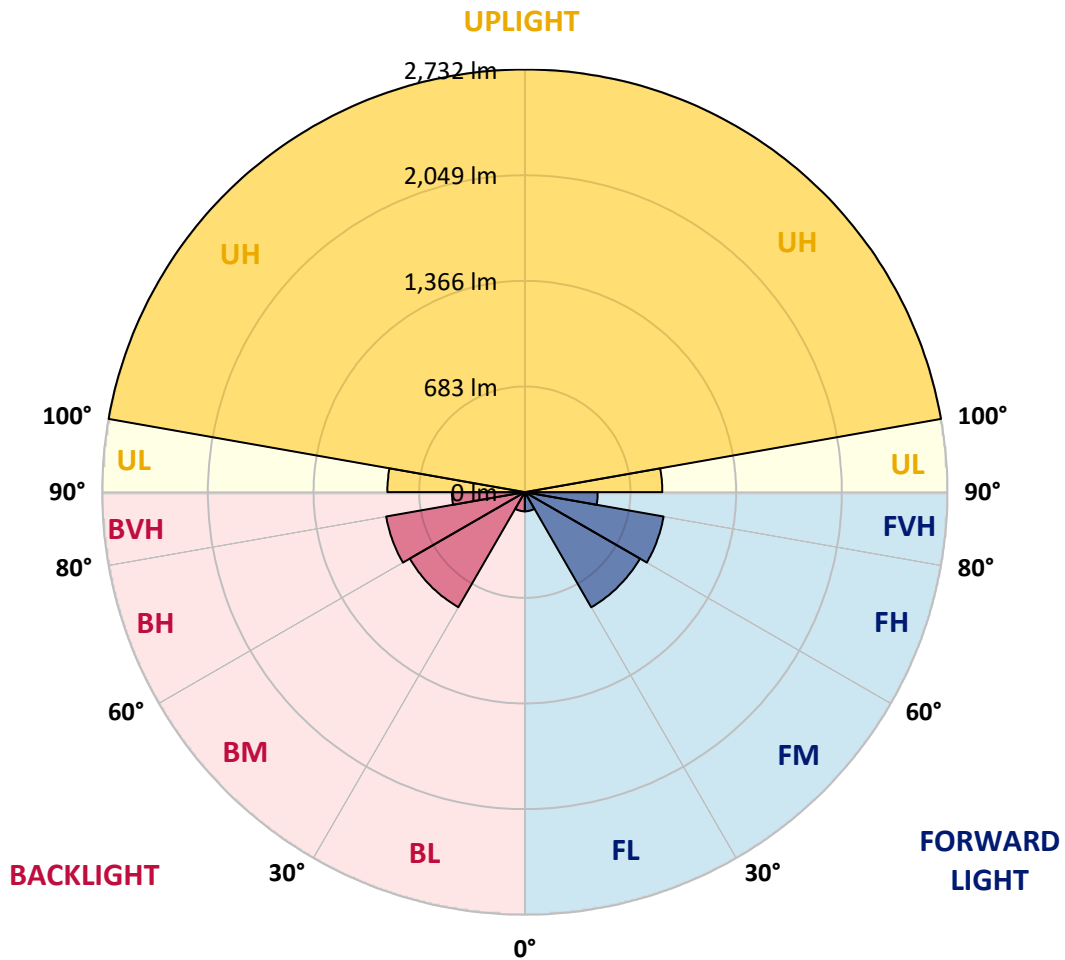


REPORT NUMBER: P856358
 CATALOG NUMBER: FFX-CLB-50-740-U-VM8

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.0	1.5			
FM (30°-60°)	858.9	10.3			
FH (60°-80°)	910.4	10.9			G1/1800
FVH (80°-90°)	471.1	5.6			G3/500
BL (0°-30°)	124.0	1.5	B1/500		
BM (30°-60°)	858.9	10.3	B1/1000		
BH (60°-80°)	910.4	10.9	B2/1000		G1/1800
BVH (80°-90°)	471.1	5.6			G3/500
UL (90°-100°)	888.5	10.6		U4/1000	
UH (100°-180°)	2731.7	32.7		U5	

BUG Rating: B2-U5-G3
 Type V Short





REPORT NUMBER: P856358

CATALOG NUMBER: FFX-CLB-50-740-U-VM8

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
2.5°	76.5	76.5	76.0	76.0	75.4	74.9	74.9	74.9	74.4	74.4	73.8
5°	87.2	86.7	86.7	86.1	86.7	86.1	86.1	86.1	86.1	85.1	85.1
7.5°	108.1	107.5	107.5	107.0	108.1	107.0	107.0	107.5	107.5	107.0	107.0
10°	135.4	134.8	134.8	133.8	134.8	134.3	134.3	133.2	133.8	133.2	133.8
12.5°	168.0	166.4	166.4	165.9	166.9	166.4	165.9	164.8	165.9	165.3	165.3
15°	201.7	202.3	201.7	201.2	202.3	202.3	201.7	200.7	201.7	200.7	201.2
17.5°	239.2	239.2	239.2	237.6	239.2	239.7	239.2	238.1	238.6	239.2	239.2
20°	279.8	279.8	280.4	279.3	282.0	280.4	279.8	279.3	279.8	280.4	280.9
22.5°	324.8	324.8	325.3	324.8	326.4	326.4	325.9	325.9	326.4	327.5	327.5
25°	374.5	375.1	375.1	373.5	377.2	378.3	377.2	377.2	378.3	379.9	379.9
27.5°	425.9	428.1	427.0	427.0	431.8	432.3	431.8	432.3	433.9	435.5	436.1
30°	478.9	480.5	482.6	481.0	486.4	486.9	487.4	488.0	490.1	492.8	492.8
32.5°	531.9	533.5	534.5	534.5	541.5	541.0	540.4	542.6	545.8	546.8	548.4
35°	584.8	584.8	585.9	586.4	593.4	592.9	593.9	595.5	598.7	600.9	602.0
37.5°	632.5	631.4	634.1	635.1	640.5	641.0	641.5	644.2	648.0	650.6	651.7
40°	675.8	674.7	677.9	679.5	684.4	684.4	685.4	688.6	692.9	695.6	696.1
42.5°	714.3	713.8	717.0	719.1	723.9	723.4	722.9	727.2	732.0	735.2	736.3
45°	747.5	747.0	751.2	753.9	757.7	756.6	756.6	760.3	765.7	769.4	770.0
47.5°	775.8	775.8	780.7	783.9	787.1	785.5	784.4	788.2	793.5	798.9	799.4
50°	801.0	800.5	805.8	809.6	812.2	810.1	808.5	812.2	818.1	823.5	824.5
52.5°	820.8	821.9	827.2	832.0	834.2	831.0	828.3	832.0	838.5	844.3	845.4
55°	837.9	838.5	844.3	850.2	851.3	847.0	843.8	847.0	854.0	860.4	861.5
57.5°	851.3	852.4	859.3	864.7	865.2	860.4	856.6	859.3	866.8	873.2	874.8
60°	863.1	864.1	870.6	876.4	877.0	871.1	866.3	868.4	876.4	883.9	885.0
62.5°	872.2	873.8	880.7	886.1	886.1	879.1	873.2	875.4	883.9	892.0	893.0
65°	879.7	881.3	888.2	893.6	893.0	885.0	878.6	880.7	889.8	897.8	899.4
67.5°	885.0	886.1	893.6	898.9	896.8	888.2	881.8	883.4	893.0	901.1	902.7
70°	888.2	889.3	896.8	901.6	898.4	889.3	882.3	884.5	894.1	902.7	904.3
72.5°	889.8	891.4	898.4	902.7	898.9	888.7	881.3	883.9	893.6	902.7	903.7
75°	889.3	890.4	897.3	901.1	896.2	886.6	878.6	881.3	891.4	899.4	901.1
77.5°	886.6	887.7	894.1	897.3	891.4	881.8	874.3	877.0	886.6	894.6	896.2
80°	882.3	883.4	889.3	891.4	885.5	875.9	869.0	871.6	880.7	888.2	889.8
82.5°	875.4	877.0	882.3	883.4	877.0	868.4	861.5	864.1	872.7	879.7	880.7
85°	866.8	867.9	872.7	873.2	866.8	859.3	853.4	856.1	863.6	869.0	870.6
87.5°	857.2	857.2	862.0	862.0	855.0	848.1	843.8	845.9	852.9	857.2	858.8
90°	845.4	845.9	849.2	848.6	842.2	836.3	832.6	835.2	841.1	844.9	845.9
92.5°	832.6	833.1	835.8	834.7	828.3	823.5	820.3	823.5	828.8	831.5	832.6
95°	818.7	819.2	821.3	819.2	813.3	809.6	806.9	810.6	814.9	817.6	818.7
97.5°	804.2	804.7	806.3	804.2	797.8	794.6	793.5	796.7	801.0	803.1	804.2
100°	789.2	789.2	790.3	787.1	781.7	779.1	778.5	782.3	786.6	788.7	789.8
102.5°	772.6	773.2	773.2	770.0	764.6	763.0	763.0	767.3	771.6	773.2	774.2
105°	755.5	755.5	755.5	752.8	747.0	745.9	746.4	750.7	755.5	757.7	758.7
107.5°	736.8	737.3	736.3	733.6	728.8	727.7	728.8	734.6	738.9	741.1	742.1
110°	717.0	717.5	717.0	713.8	709.5	709.0	710.6	716.5	720.7	722.9	724.5



REPORT NUMBER: P856358
 CATALOG NUMBER: FFX-CLB-50-740-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	696.1	696.7	696.1	693.4	689.2	689.2	691.3	697.2	702.0	703.6	705.2
115°	674.2	674.7	673.7	671.5	667.2	668.3	670.4	676.3	681.1	682.7	684.9
117.5°	650.6	651.2	650.6	648.0	644.2	645.3	648.5	654.4	658.7	660.3	662.4
120°	625.0	625.0	625.0	622.3	618.5	620.7	623.9	630.3	634.1	635.1	637.3
122.5°	598.7	597.7	597.7	596.1	591.8	594.5	597.7	604.1	607.8	608.4	610.0
125°	569.8	570.4	568.8	567.7	564.0	567.2	569.8	576.3	579.5	580.0	581.6
127.5°	538.8	540.4	538.8	537.2	534.5	537.7	541.0	546.8	549.5	550.1	551.1
130°	509.9	509.9	508.3	507.2	504.6	507.8	511.0	516.3	519.0	519.0	520.1
132.5°	481.0	479.4	478.9	477.8	474.6	478.4	480.5	485.8	488.0	487.4	488.5
135°	449.5	449.5	447.9	447.3	444.6	448.4	450.5	455.3	456.9	456.4	457.5
137.5°	420.0	420.0	419.0	417.9	416.3	419.5	421.6	425.4	427.0	425.4	427.0
140°	391.1	391.1	390.6	389.5	387.9	391.1	392.7	396.0	397.6	396.0	397.0
142.5°	364.4	363.3	362.8	362.2	360.1	363.3	364.4	367.6	368.1	367.1	368.7
145°	336.0	336.6	336.0	335.5	333.9	336.6	337.6	340.3	340.8	339.8	341.4
147.5°	312.5	310.9	311.4	310.9	309.3	311.9	312.5	314.1	315.2	314.1	315.2
150°	288.9	287.9	287.9	287.3	286.3	288.4	288.9	290.5	291.1	290.0	291.1
152.5°	268.1	267.5	267.5	267.0	265.9	267.5	268.1	269.1	269.7	268.6	269.1
155°	249.3	248.8	248.8	248.3	247.2	248.8	248.8	249.9	250.4	249.9	250.4
157.5°	232.8	232.2	232.2	232.2	231.1	232.2	232.2	233.3	233.3	232.8	233.3
160°	219.4	218.3	218.8	218.3	217.2	218.3	218.3	218.8	218.8	218.8	218.8
162.5°	207.1	207.1	207.1	206.5	206.0	206.5	206.5	207.1	207.1	207.1	206.5
165°	197.4	197.4	197.4	196.9	196.4	196.9	196.9	196.9	196.9	196.9	196.9
167.5°	189.4	188.9	189.4	188.9	188.3	188.9	188.9	188.9	188.9	188.9	188.9
170°	182.5	182.5	182.5	182.5	181.9	182.5	182.5	182.5	182.5	182.5	182.5
172.5°	178.2	177.6	177.6	177.6	177.1	177.6	177.1	177.6	177.1	177.6	177.1
175°	174.4	174.4	174.4	174.4	173.9	173.9	173.9	173.9	173.9	173.9	173.9
177.5°	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3
180°	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8	171.8

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

Streetworks

Report Number: SP1-2406-133-1

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5.

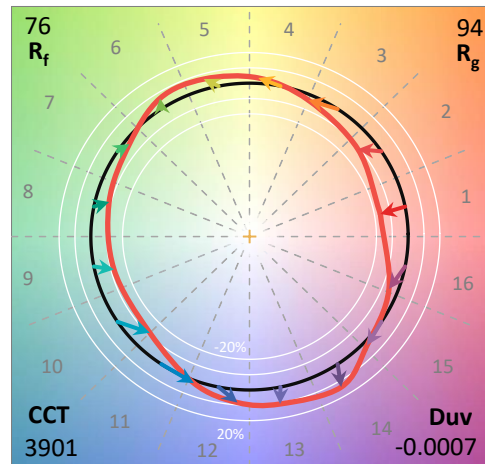
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 07/12/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **FFX-CLB-100-740-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 3901
 CIE u': 0.2273
 CIE v': 0.5026
 Duv: -0.0007
 CIE x: 0.3844
 CIE y: 0.3776
 CIE z: 0.2380
 Peak Wavelength (nm): 451
 Dominant Wavelength (nm): 579
 Purity: 28.6799
 Rf: 76.2
 Rg: 94.4

CRI (Ra):	74.5		
R1:	71.8	R9:	-23.4
R2:	81.9	R10:	56.6
R3:	89.3	R11:	68.4
R4:	72.6	R12:	46.6
R5:	71.3	R13:	73.7
R6:	74.0	R14:	93.9
R7:	81.5	R15:	65.1
R8:	53.3		



Test Conditions

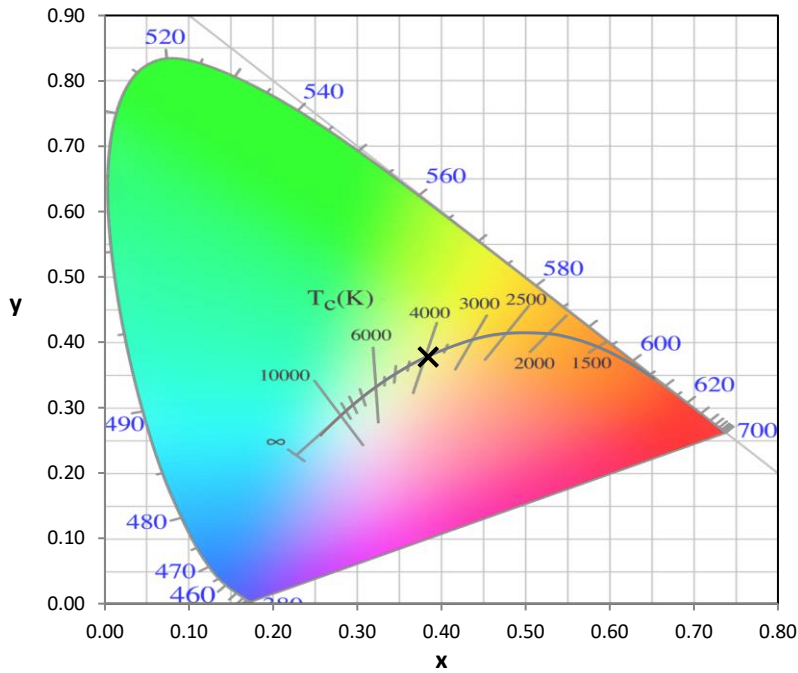
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

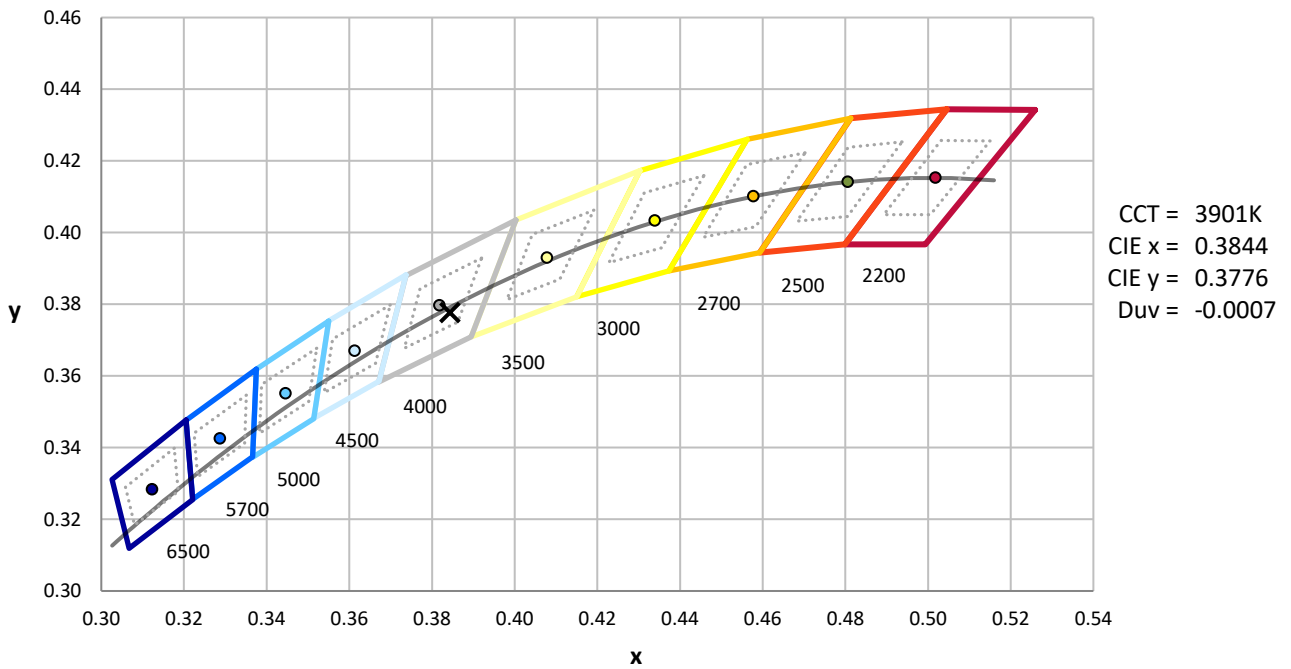
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2406-133-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2406-133-1

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.53

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.04

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	154	NR	620	687	NR	750	19	NR	880	1	NR
365	0	NR	495	191	NR	625	634	NR	755	17	NR	885	2	NR
370	0	NR	500	251	NR	630	581	NR	760	14	NR	890	1	NR
375	0	NR	505	323	NR	635	524	NR	765	12	NR	895	0	NR
380	0	NR	510	395	NR	640	471	NR	770	11	NR	900	1	NR
385	0	NR	515	462	NR	645	420	NR	775	9	NR	905	0	NR
390	0	NR	520	520	NR	650	373	NR	780	8	NR	910	0	NR
395	1	NR	525	563	NR	655	328	NR	785	7	NR	915	0	NR
400	4	NR	530	599	NR	660	286	NR	790	6	NR	920	0	NR
405	8	NR	535	627	NR	665	250	NR	795	5	NR	925	0	NR
410	17	NR	540	653	NR	670	217	NR	800	4	NR	930	0	NR
415	34	NR	545	679	NR	675	188	NR	805	4	NR	935	0	NR
420	63	NR	550	706	NR	680	163	NR	810	3	NR	940	0	NR
425	114	NR	555	737	NR	685	140	NR	815	3	NR	945	1	NR
430	186	NR	560	768	NR	690	121	NR	820	3	NR	950	0	NR
435	297	NR	565	798	NR	695	104	NR	825	2	NR	955	0	NR
440	454	NR	570	831	NR	700	89	NR	830	2	NR	960	0	NR
445	713	NR	575	860	NR	705	77	NR	835	2	NR	965	0	NR
450	983	NR	580	882	NR	710	65	NR	840	2	NR	970	0	NR
455	861	NR	585	893	NR	715	56	NR	845	1	NR	975	0	NR
460	540	NR	590	892	NR	720	48	NR	850	1	NR	980	0	NR
465	386	NR	595	880	NR	725	41	NR	855	1	NR	985	0	NR
470	279	NR	600	859	NR	730	35	NR	860	1	NR	990	0	NR
475	188	NR	605	825	NR	735	30	NR	865	1	NR	995	0	NR
480	149	NR	610	787	NR	740	26	NR	870	1	NR	1000	0	NR
485	143	NR	615	738	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2406-133-1

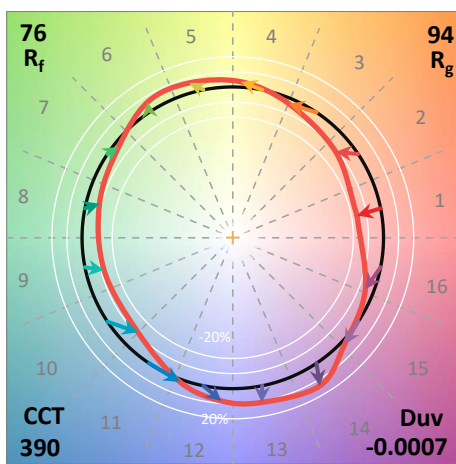
TM-30-18

Summary

$R_f = 76.2$
 $R_g = 94.4$
 CIE $R_a = 74.5$
 $R_g = -23.4$



Color Vector Graphics

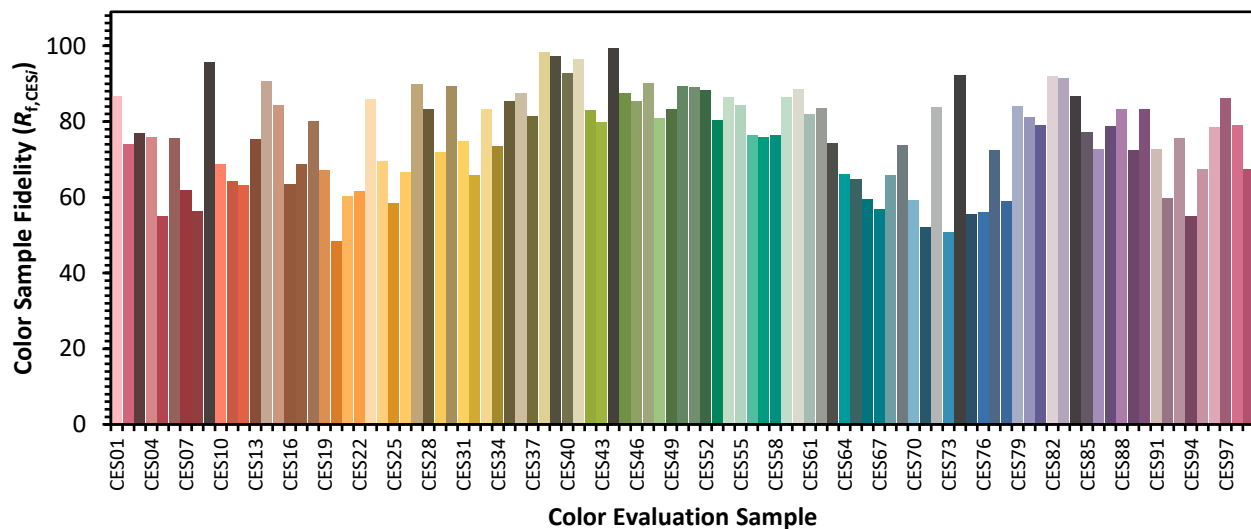


REPORT NUMBER: SP1-2406-133-1

TM-30-18

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

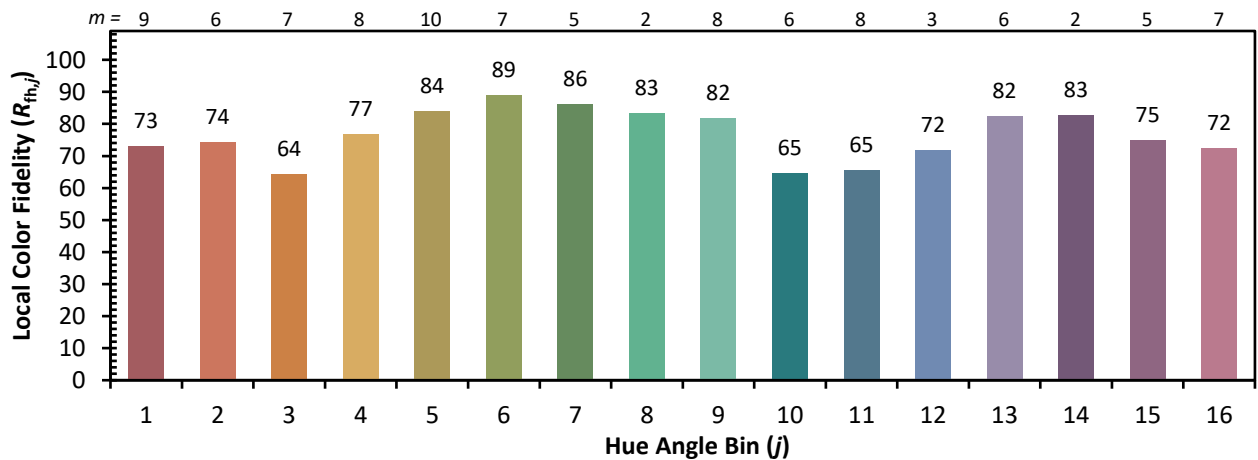
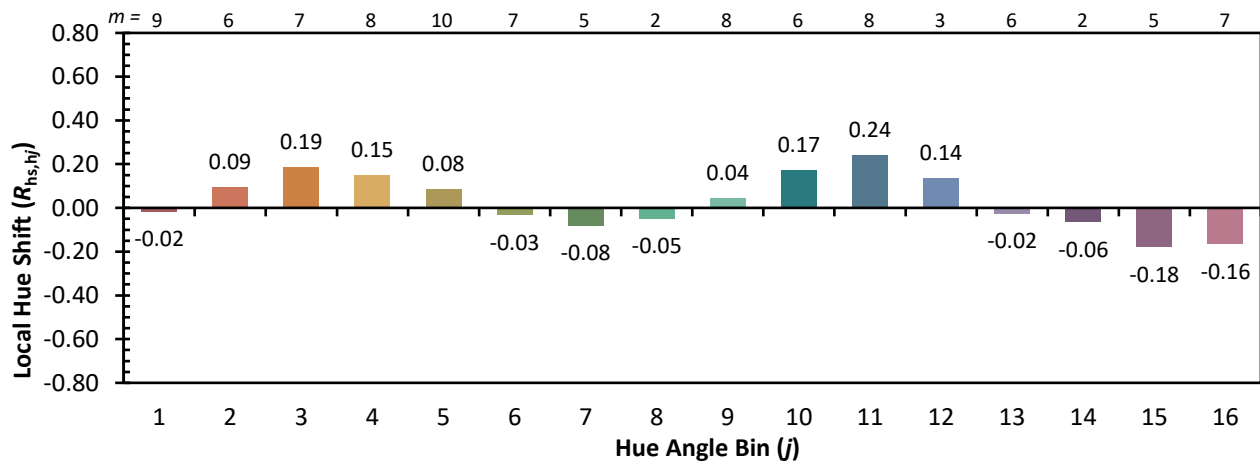
CES01 = 85	CES26 = 67	CES51 = 89	CES76 = 56
CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 76	CES82 = 92
CES08 = 39	CES33 = 83	CES58 = 76	CES83 = 92
CES09 = 29	CES34 = 74	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 85	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 73
CES12 = 63	CES37 = 81	CES62 = 84	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 74	CES88 = 83
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 65	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 59	CES91 = 73
CES17 = 49	CES42 = 83	CES67 = 57	CES92 = 60
CES18 = 56	CES43 = 80	CES68 = 66	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 74	CES94 = 55
CES20 = 65	CES45 = 87	CES70 = 59	CES95 = 67
CES21 = 86	CES46 = 85	CES71 = 52	CES96 = 78
CES22 = 78	CES47 = 90	CES72 = 84	CES97 = 86
CES23 = 92	CES48 = 81	CES73 = 51	CES98 = 79
CES24 = 91	CES49 = 83	CES74 = 92	CES99 = 68
CES25 = 72	CES50 = 89	CES75 = 56	



REPORT NUMBER: SP1-2406-133-1

TM-30-18

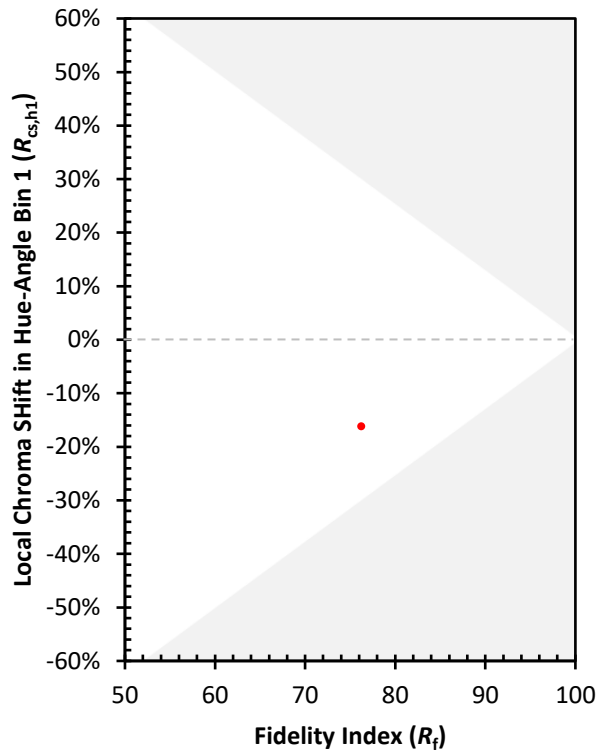
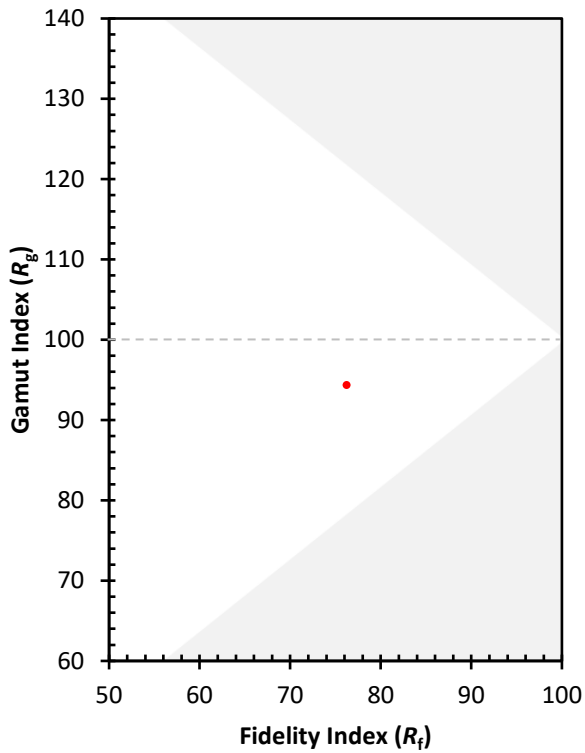
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-1

TM-30-18

Measure Comparisons



(END OF REPORT)