

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: P856268

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

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856268
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-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

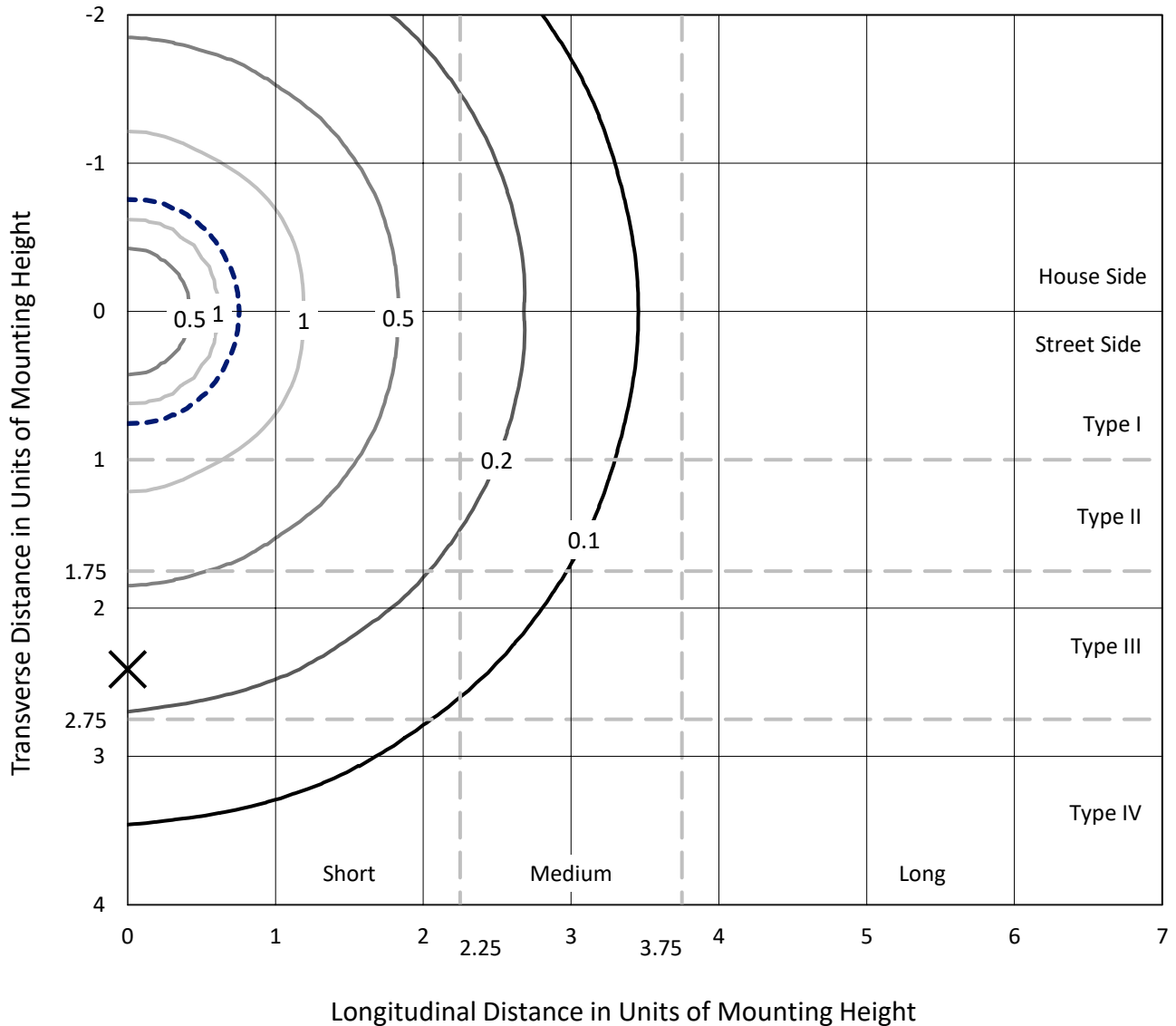
Lumens per Lamp: N/A
Luminaire Lumens: 8483.3 lumens
Efficiency: N/A
Efficacy: 168.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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: P856268
 CATALOG NUMBER: FFX-CLB-50-740-U-PG

Iso-Footcandle Lines of Horizontal Illumination

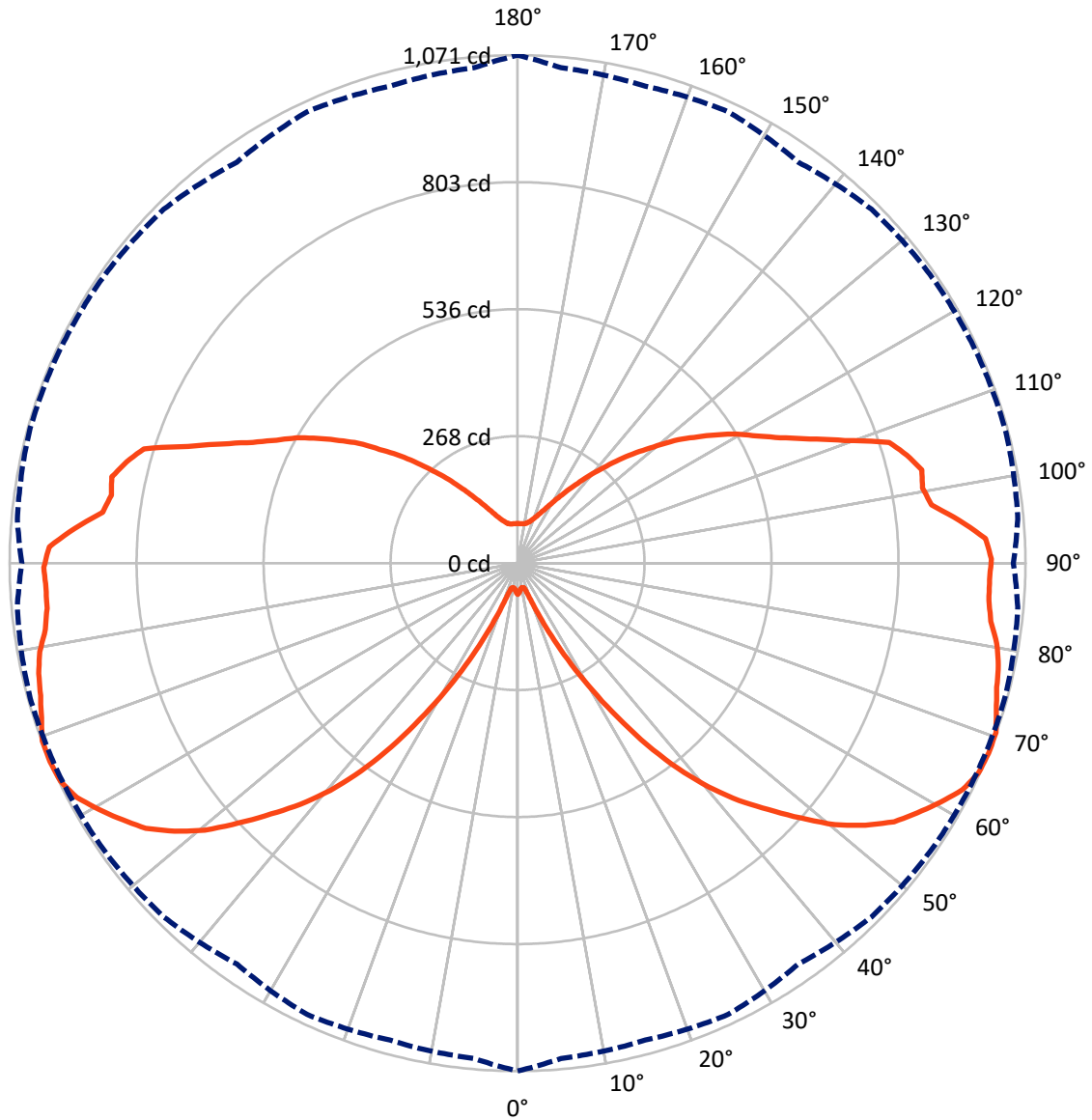
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P856268
CATALOG NUMBER: FFX-CLB-50-740-U-PG

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P856268
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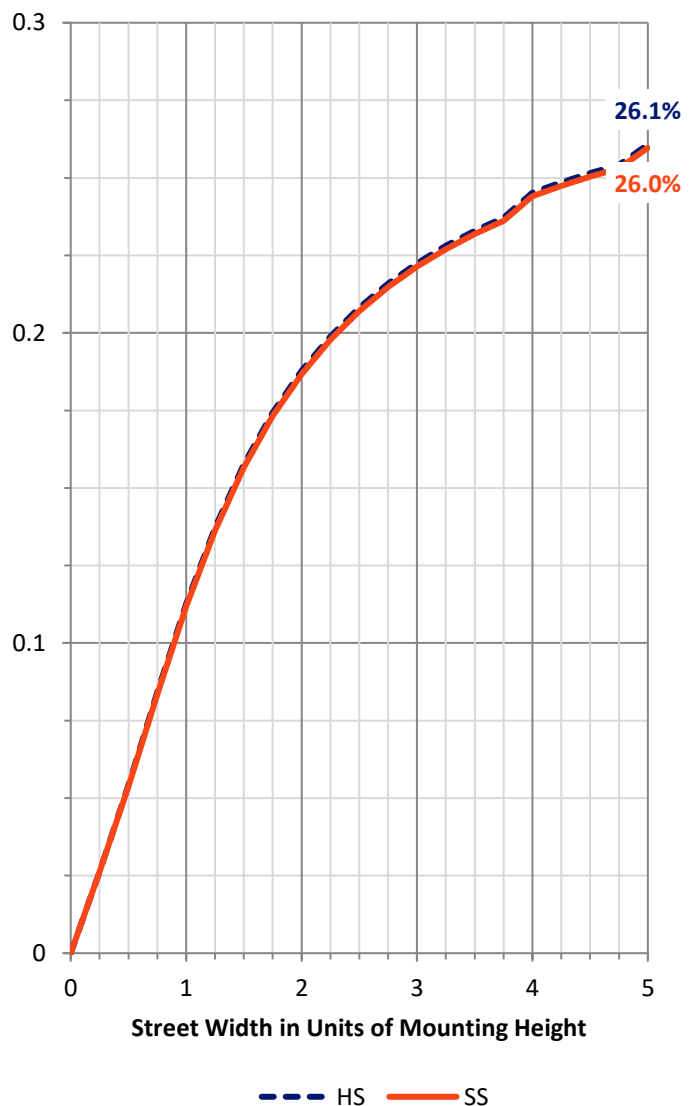
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2530.8	1710.9	4241.7
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	2530.8	1710.9	4241.7
	% Fixture	29.8	20.2	50.0
Total	Lumens	5061.5	3421.8	8483.3
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	18.1	0.2
20°-30°	90.6	1.1
30°-40°	297.7	3.5
40°-50°	575.7	6.8
50°-60°	852.0	10.0
60°-70°	1035.8	12.2
70°-80°	1093.5	12.9
80°-90°	1092.6	12.9
90°-100°	1022.2	12.0
100°-110°	909.3	10.7
110°-120°	622.0	7.3
120°-130°	417.7	4.9
130°-140°	242.6	2.9
140°-150°	119.4	1.4
150°-160°	55.2	0.7
160°-170°	25.5	0.3
170°-180°	8.0	0.1
0°-90°	5061.5	59.7
0°-180°	8483.3	100.0



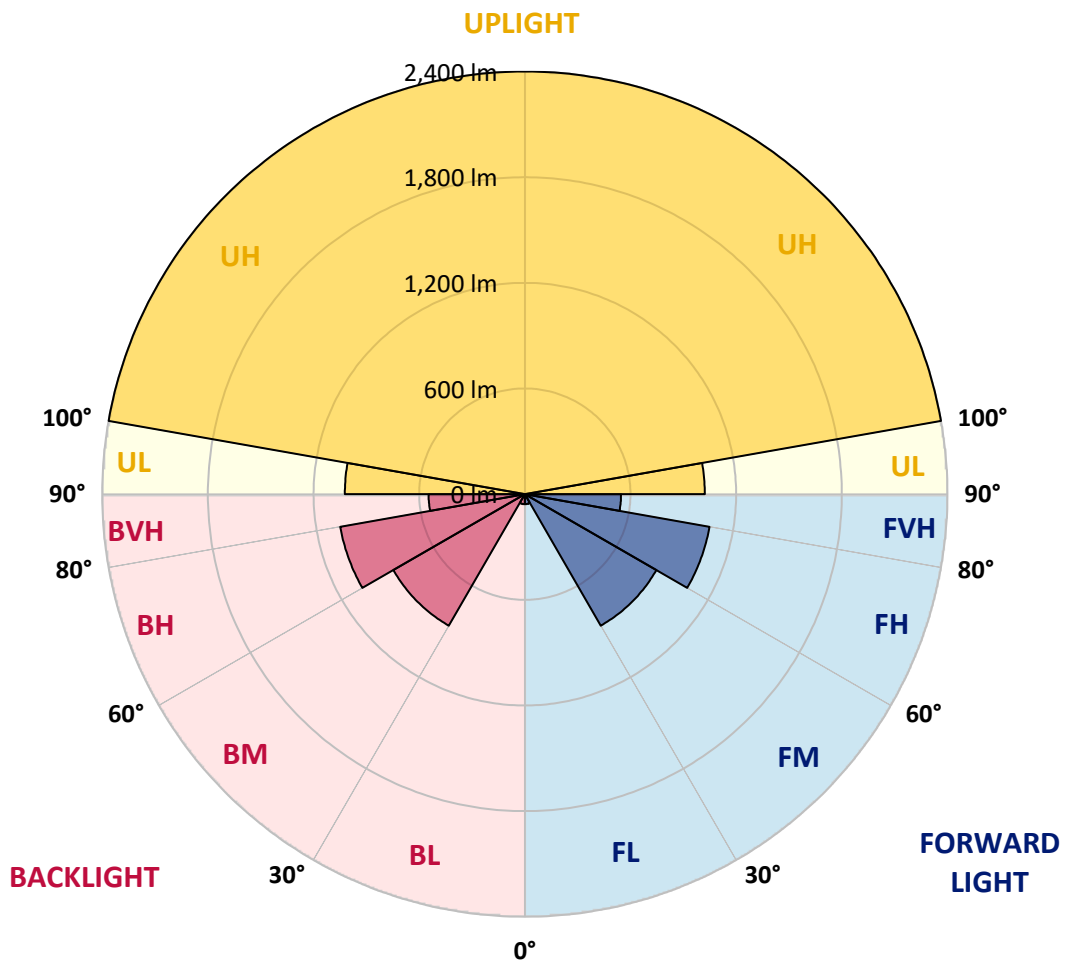
REPORT NUMBER: P856268
 CATALOG NUMBER: FFX-CLB-50-740-U-PG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.1	0.7			
FM (30°-60°)	862.7	10.2			
FH (60°-80°)	1064.6	12.5			G1/1800
FVH (80°-90°)	546.3	6.4			G4/750
BL (0°-30°)	57.1	0.7	B0/110		
BM (30°-60°)	862.7	10.2	B1/1000		
BH (60°-80°)	1064.6	12.5	B3/2500		G1/1800
BVH (80°-90°)	546.3	6.4			G4/750
UL (90°-100°)	1022.2	12.0		U5	
UH (100°-180°)	2399.6	28.3		U5	

BUG Rating: B3-U5-G4

Type V Short





REPORT NUMBER: P856268
 CATALOG NUMBER: FFX-CLB-50-740-U-PG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	63.1	62.6	62.1	61.5	62.1	62.6	63.7	64.2	64.2	64.2	64.2
5°	57.3	57.8	58.3	58.9	58.9	58.9	58.9	59.4	59.9	59.9	59.9
7.5°	54.0	54.0	54.6	56.2	56.7	56.2	56.2	56.7	55.1	53.5	53.0
10°	52.4	52.4	53.0	53.5	54.0	55.1	55.7	55.7	55.7	55.7	55.1
12.5°	53.0	52.4	53.0	53.5	54.6	55.1	54.0	54.0	55.1	56.2	56.7
15°	55.7	55.1	55.1	56.2	56.7	56.7	55.7	55.7	56.2	57.3	57.3
17.5°	67.4	66.4	65.8	66.4	65.8	66.4	65.8	66.9	66.9	66.4	65.8
20°	92.0	91.0	89.4	88.8	89.4	91.0	91.5	93.1	91.5	91.0	88.8
22.5°	130.6	129.0	127.9	127.9	129.5	130.6	130.0	132.2	131.1	130.6	128.4
25°	179.8	178.7	179.3	181.9	184.6	183.0	178.7	181.9	181.9	181.4	180.9
27.5°	241.3	237.6	239.2	246.2	248.3	244.0	239.2	242.9	244.6	245.1	245.1
30°	311.4	308.8	308.2	315.7	318.4	314.7	311.4	315.7	315.7	317.3	317.3
32.5°	387.4	385.8	383.1	387.4	391.7	390.6	390.6	393.9	392.8	394.4	394.9
35°	470.9	467.7	462.3	462.9	467.7	468.2	472.0	474.1	473.1	472.5	472.5
37.5°	549.6	545.3	540.5	537.8	543.7	543.2	551.7	551.7	549.6	550.1	550.1
40°	620.7	618.1	614.3	606.8	618.1	615.9	626.1	626.1	620.2	621.8	620.7
42.5°	684.4	684.4	680.1	668.9	680.7	678.5	691.9	691.9	683.9	683.4	681.7
45°	741.7	744.4	742.2	732.1	736.3	737.9	750.8	748.1	741.7	741.7	739.0
47.5°	803.2	805.9	798.4	787.7	792.5	795.2	807.0	805.9	802.2	797.3	797.3
50°	867.4	868.0	853.0	840.1	844.4	858.3	866.9	869.0	861.0	849.8	849.2
52.5°	918.3	921.5	907.0	893.1	896.3	912.4	922.0	922.6	912.4	896.3	901.1
55°	963.2	966.4	952.0	939.7	946.1	954.7	965.9	959.5	960.0	942.9	950.9
57.5°	993.7	1004.4	980.3	977.7	983.6	993.7	998.5	996.9	1000.1	984.1	986.8
60°	1024.2	1029.0	1008.7	1012.5	1005.5	1023.7	1027.4	1031.2	1022.6	1011.4	1011.4
62.5°	1053.1	1041.4	1026.9	1036.0	1017.3	1040.3	1044.6	1048.8	1039.7	1029.0	1031.2
65°	1068.1	1046.7	1034.4	1045.6	1027.4	1048.3	1055.3	1056.9	1055.3	1045.1	1040.3
67.5°	1071.3	1048.8	1041.4	1050.4	1032.3	1055.3	1061.7	1064.9	1066.5	1059.0	1045.6
70°	1070.2	1046.2	1039.7	1048.3	1036.5	1057.9	1058.5	1063.3	1065.4	1068.6	1053.7
72.5°	1055.8	1034.9	1033.3	1040.8	1030.1	1044.0	1044.6	1050.4	1047.2	1057.4	1049.9
75°	1044.0	1030.1	1032.8	1031.2	1020.5	1028.5	1030.6	1037.6	1025.8	1035.5	1041.9
77.5°	1036.5	1029.0	1035.5	1026.9	1015.7	1021.0	1024.2	1032.3	1014.6	1022.6	1041.4
80°	1024.8	1022.6	1030.6	1017.8	1008.2	1013.0	1018.3	1025.3	1006.0	1011.4	1038.1
82.5°	1005.5	1007.1	1014.6	999.6	993.2	998.5	1005.0	1015.7	995.9	999.1	1027.4
85°	996.9	1003.9	1007.6	992.7	985.2	988.4	995.3	1006.6	985.7	990.5	1019.4
87.5°	995.9	1004.4	1007.1	994.3	987.8	992.7	995.9	1011.9	989.4	995.3	1024.8
90°	999.1	1002.3	1003.9	992.7	987.3	994.8	995.3	1015.1	992.7	994.3	1020.5
92.5°	988.4	988.9	992.1	982.0	981.4	986.8	985.7	1002.3	977.7	973.9	996.4
95°	936.5	932.2	939.1	933.8	945.0	953.1	962.2	983.0	970.7	973.9	993.2
97.5°	881.3	882.4	884.6	876.0	874.4	877.6	881.3	892.1	888.3	891.5	909.7
100°	868.5	872.3	871.7	867.4	849.8	846.0	838.0	826.8	811.8	813.9	816.6
102.5°	874.9	885.1	886.7	892.6	892.6	889.9	895.8	891.0	893.7	909.2	900.6
105°	851.9	863.7	871.2	877.6	889.9	900.1	927.4	944.0	957.3	976.1	973.4
107.5°	824.1	830.0	835.3	835.3	832.1	830.5	845.5	848.2	844.4	849.2	849.8
110°	737.4	736.9	742.2	740.1	741.7	733.1	737.4	751.8	748.6	758.3	759.9



REPORT NUMBER: P856268
 CATALOG NUMBER: FFX-CLB-50-740-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	670.0	670.0	673.7	668.4	668.9	661.9	664.6	674.3	674.8	682.8	687.1
115°	613.3	612.2	617.5	613.3	608.4	606.8	609.5	615.4	617.0	622.3	630.9
117.5°	571.0	565.6	569.9	570.4	572.6	568.3	574.7	578.5	580.6	584.9	591.8
120°	536.2	530.8	532.4	537.8	544.2	535.1	542.1	545.3	546.9	548.5	551.7
122.5°	496.6	492.8	491.2	501.9	505.7	497.7	501.4	506.2	508.9	511.6	514.3
125°	456.5	453.3	451.6	461.3	465.0	458.6	464.0	470.9	469.8	475.7	470.4
127.5°	420.1	419.0	416.9	421.7	424.4	423.8	428.6	437.2	433.5	438.8	432.9
130°	376.7	381.0	377.8	383.7	384.2	388.5	390.1	398.1	394.4	395.5	391.7
132.5°	341.4	343.0	341.4	343.5	345.2	345.2	349.4	358.0	352.1	351.6	348.4
135°	305.6	306.1	304.0	307.2	308.2	305.6	309.8	316.3	313.0	311.4	311.4
137.5°	270.2	269.7	270.2	271.3	272.4	271.8	274.0	278.8	277.7	275.6	278.3
140°	240.3	238.7	239.2	239.7	239.2	239.2	241.3	245.6	245.6	242.9	245.6
142.5°	210.3	209.8	209.8	209.8	209.8	210.8	213.0	214.0	215.1	213.0	212.4
145°	185.2	184.6	184.1	184.1	184.1	184.6	186.8	186.2	188.4	186.2	184.6
147.5°	162.7	163.2	162.1	161.6	161.1	162.7	163.2	164.3	165.4	164.3	162.7
150°	144.5	143.9	143.9	142.9	142.9	144.5	143.9	145.0	146.1	145.6	145.0
152.5°	128.4	128.4	128.4	127.4	127.9	129.0	129.0	129.0	130.0	130.0	129.5
155°	115.6	115.6	115.6	115.1	115.1	116.1	116.1	116.1	116.7	116.7	116.7
157.5°	106.0	106.0	105.4	105.4	105.4	106.0	105.4	105.4	106.0	106.0	106.0
160°	98.5	98.5	97.9	97.9	97.4	97.9	97.4	97.4	97.9	97.9	97.9
162.5°	92.6	92.6	92.0	92.0	92.0	92.0	92.0	91.5	91.5	92.0	91.5
165°	88.3	88.3	88.3	88.3	88.3	88.3	88.3	87.8	87.8	87.8	87.8
167.5°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
170°	84.0	84.0	84.0	84.5	84.5	84.5	84.0	84.0	84.5	84.5	84.0
172.5°	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
175°	83.5	83.5	83.5	83.5	83.5	83.5	82.9	83.5	83.5	83.5	83.5
177.5°	83.5	82.9	82.9	83.5	83.5	82.9	82.9	82.9	82.9	82.9	82.9
180°	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5

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.

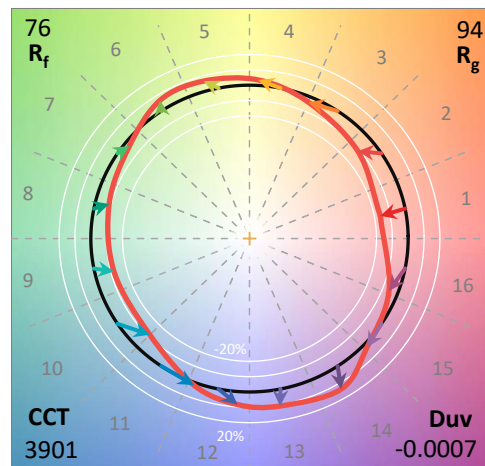
Test Information

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

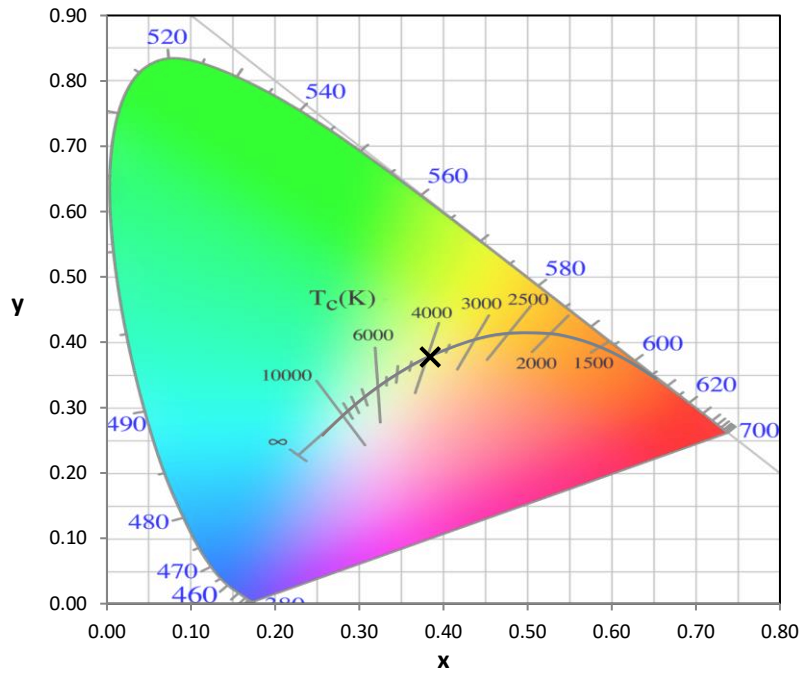
Stabilization Time: 0.818109M
 Operation Time: 1H
 Sphere Temperature (°C): 24.6

REPORT NUMBER: SP1-2406-133-1

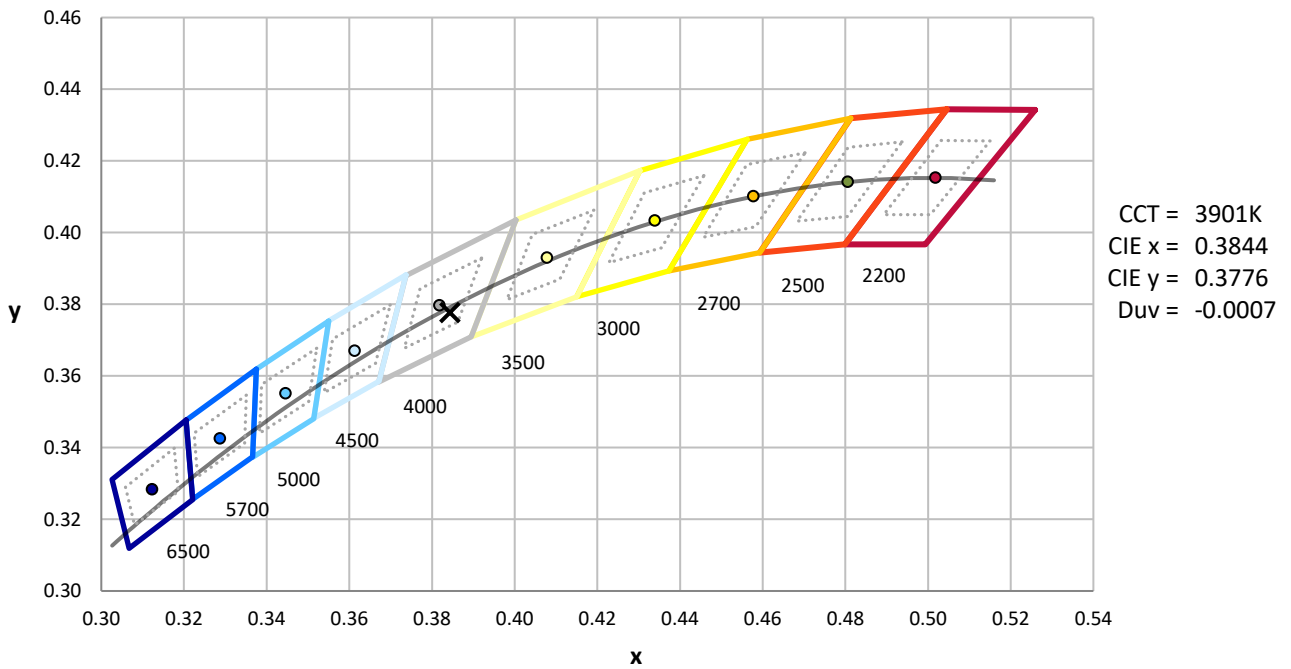
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	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

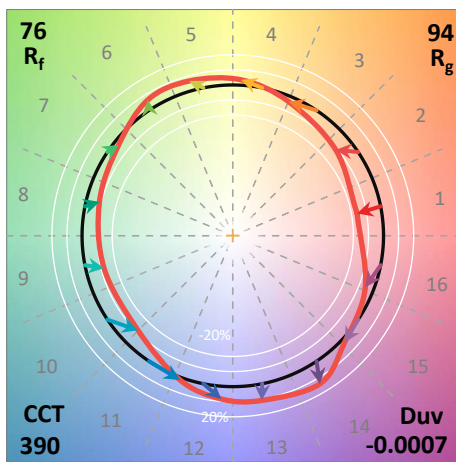
TM-30-18

Summary

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



Color Vector Graphics

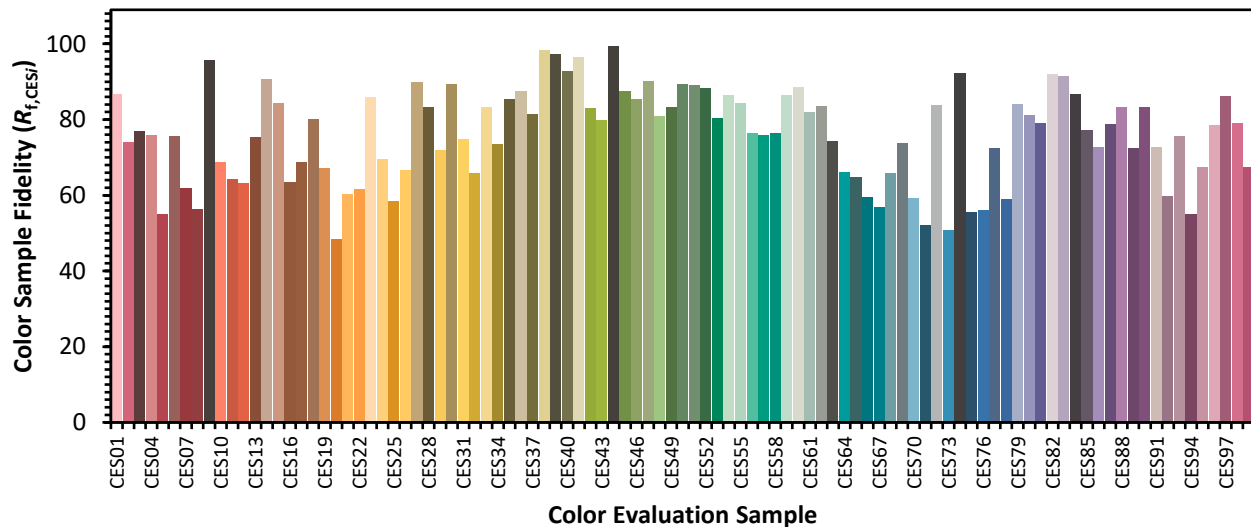


REPORT NUMBER: SP1-2406-133-1

TM-30-18

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

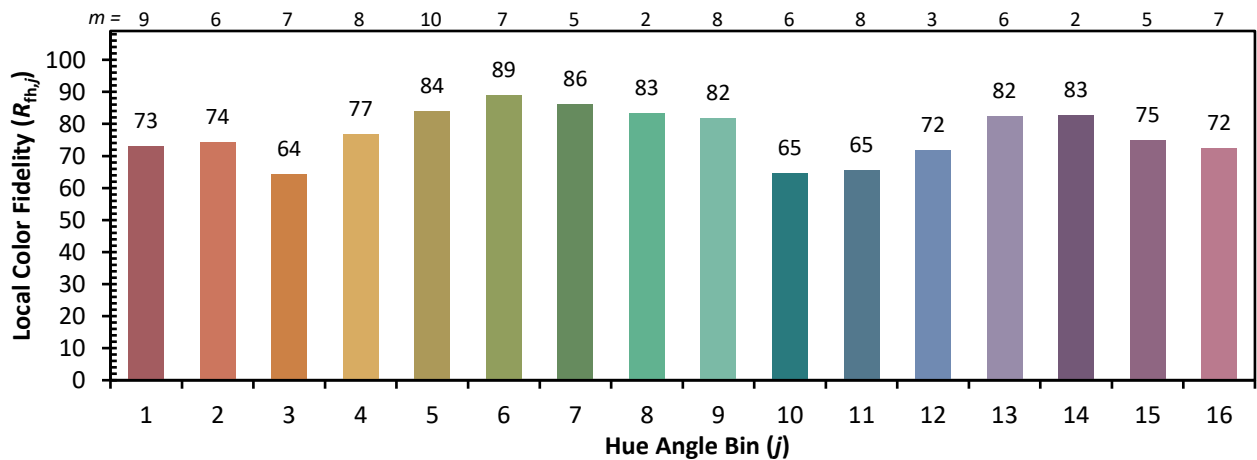
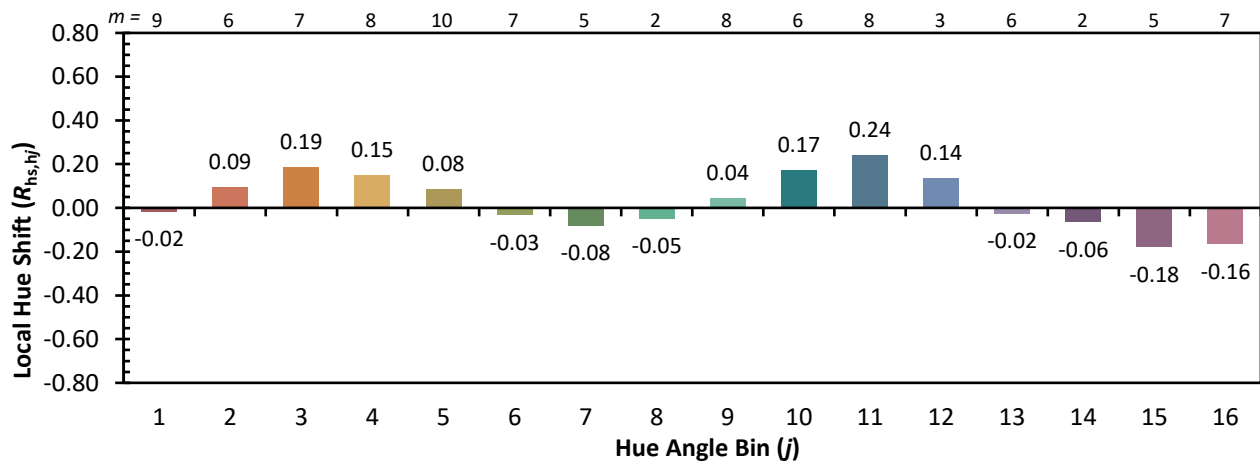
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CES02 = 61	CES27 = 90	CES52 = 88	CES77 = 72
CES03 = 30	CES28 = 83	CES53 = 80	CES78 = 59
CES04 = 70	CES29 = 72	CES54 = 86	CES79 = 84
CES05 = 48	CES30 = 89	CES55 = 84	CES80 = 81
CES06 = 51	CES31 = 75	CES56 = 77	CES81 = 79
CES07 = 40	CES32 = 66	CES57 = 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
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REPORT NUMBER: SP1-2406-133-1

TM-30-18

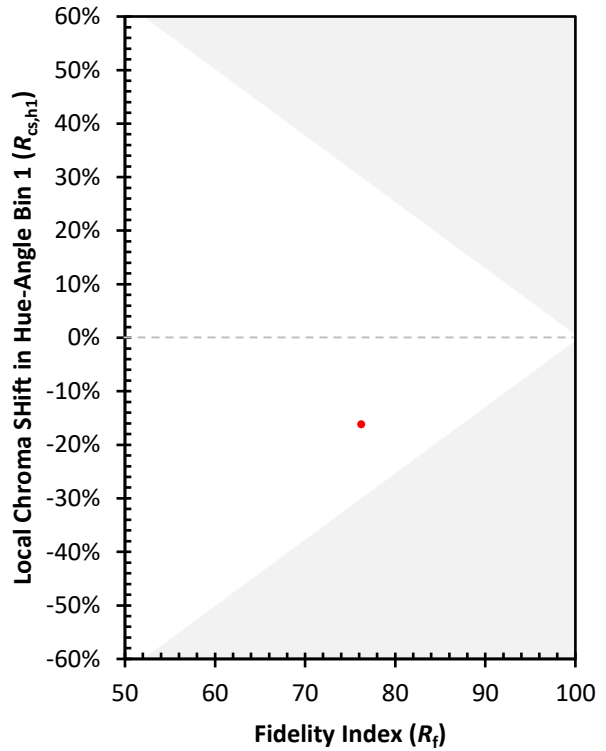
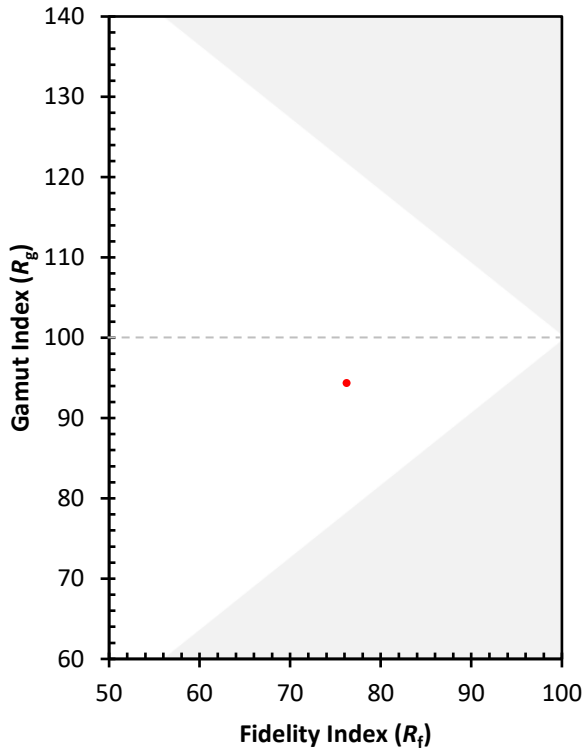
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-2406-133-1

TM-30-18

Measure Comparisons



(END OF REPORT)