

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: P856377

Luminaire Tested: **FFX-CLB-40-722-U-VM9**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856377
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-40-722-U-VM9
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 9 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

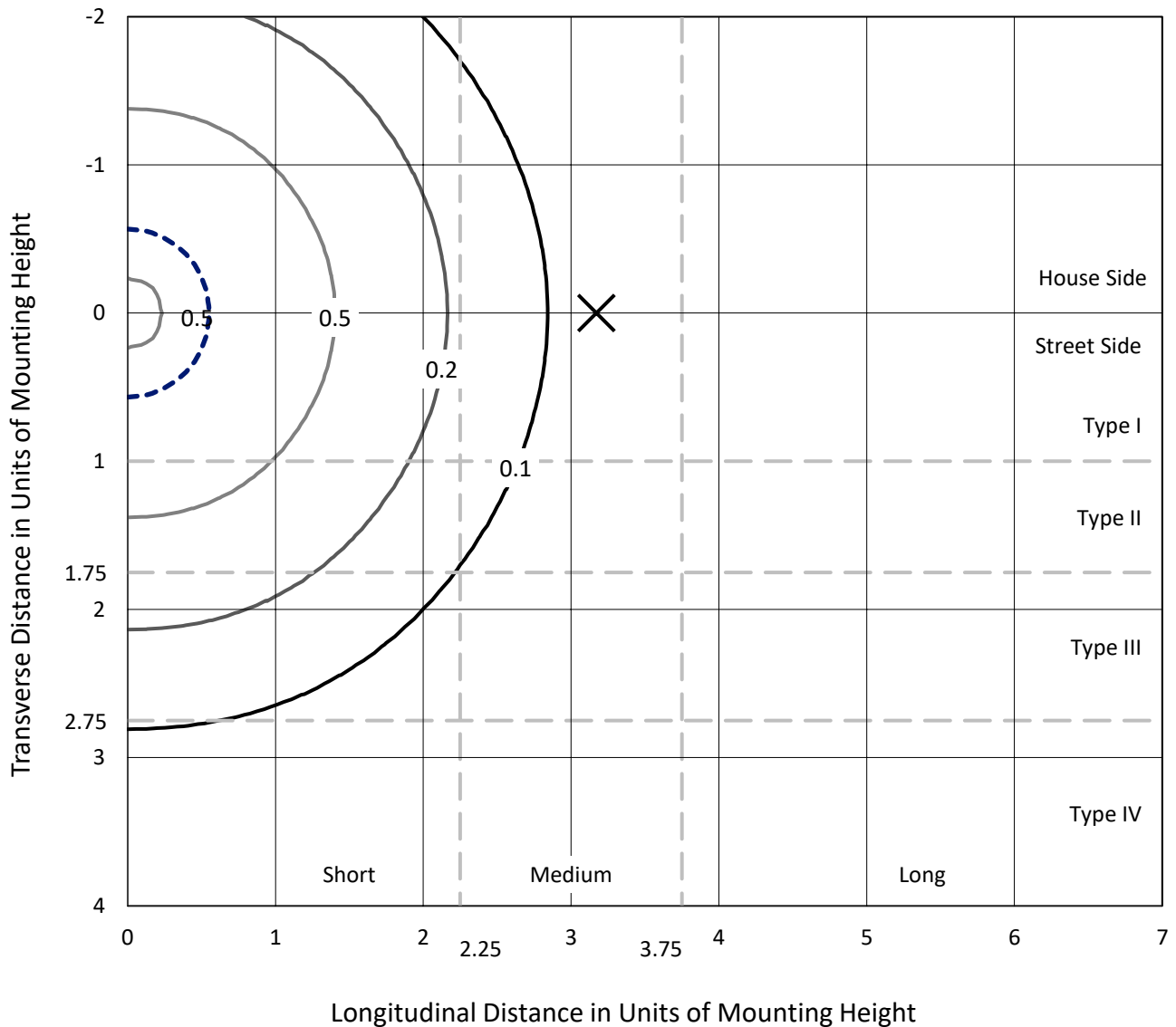
Lumens per Lamp: N/A
Luminaire Lumens: 5432.5 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B2 - U5 - G3

Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.2%%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

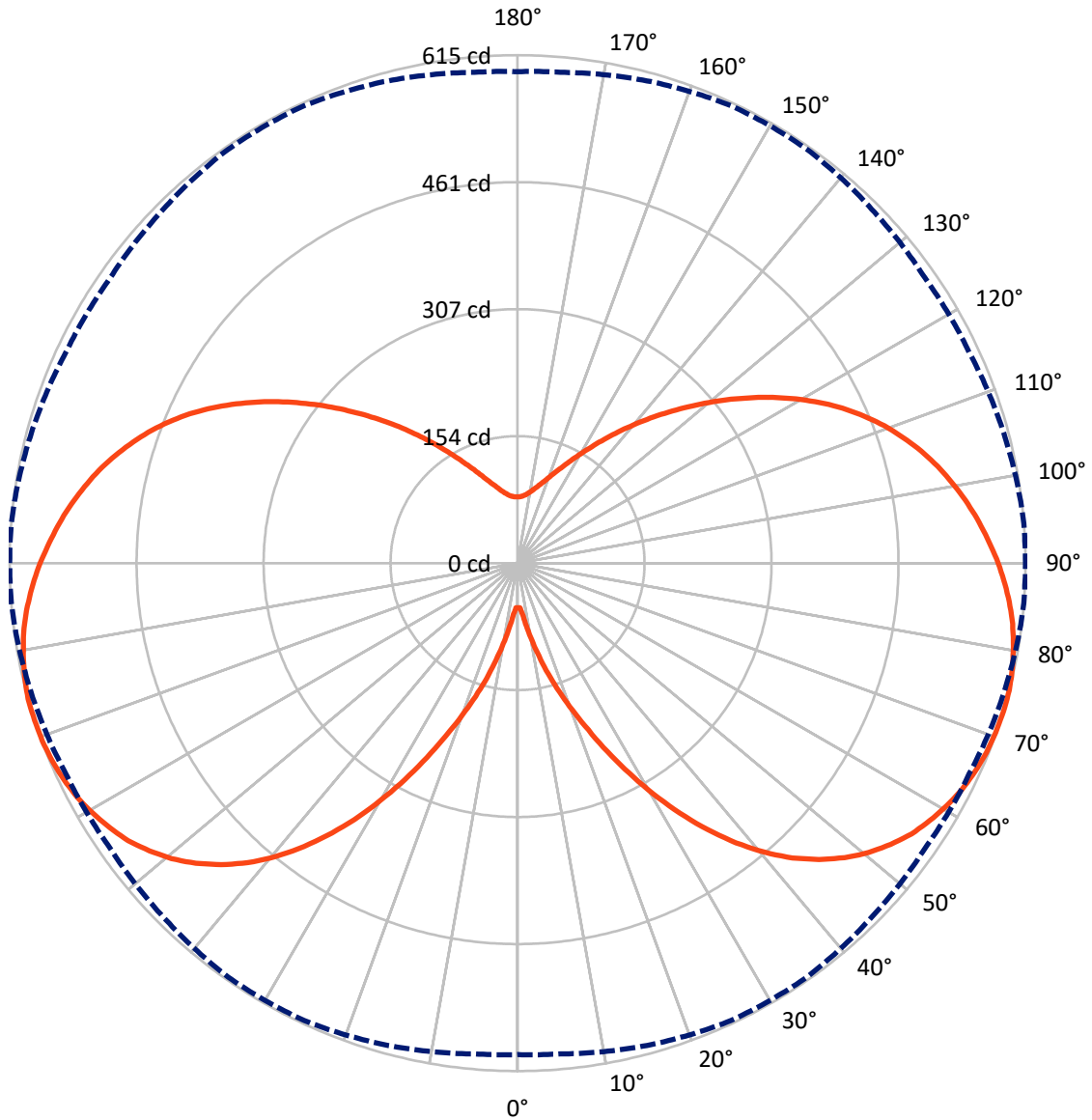
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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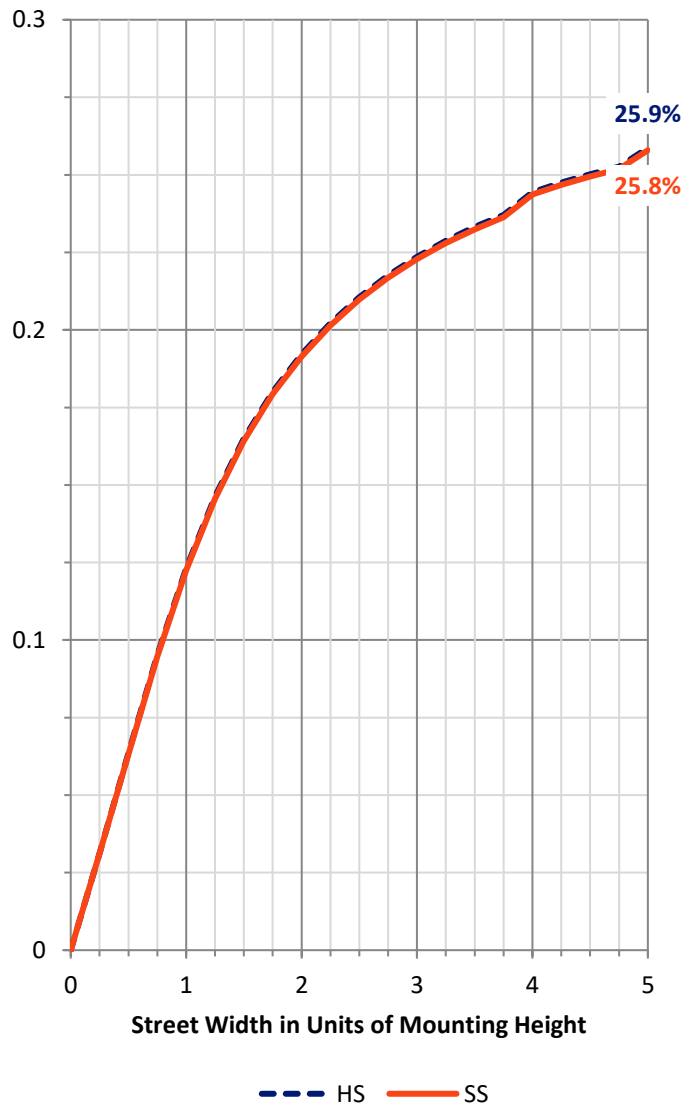
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.1	1125.1	2716.3
	% Fixture	29.3	20.7	50.0
Street Side	Lumens	1591.1	1125.1	2716.3
	% Fixture	29.3	20.7	50.0
Total	Lumens	3182.3	2250.3	5432.5
	% Fixture	58.6	41.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	40.7	0.8
20°-30°	117.8	2.2
30°-40°	244.9	4.5
40°-50°	388.7	7.2
50°-60°	510.3	9.4
60°-70°	595.0	11.0
70°-80°	639.1	11.8
80°-90°	638.8	11.8
90°-100°	597.9	11.0
100°-110°	524.6	9.7
110°-120°	421.9	7.8
120°-130°	303.0	5.6
130°-140°	194.8	3.6
140°-150°	113.0	2.1
150°-160°	59.3	1.1
160°-170°	27.6	0.5
170°-180°	8.0	0.1
0°-90°	3182.3	58.6
0°-180°	5432.5	100.0



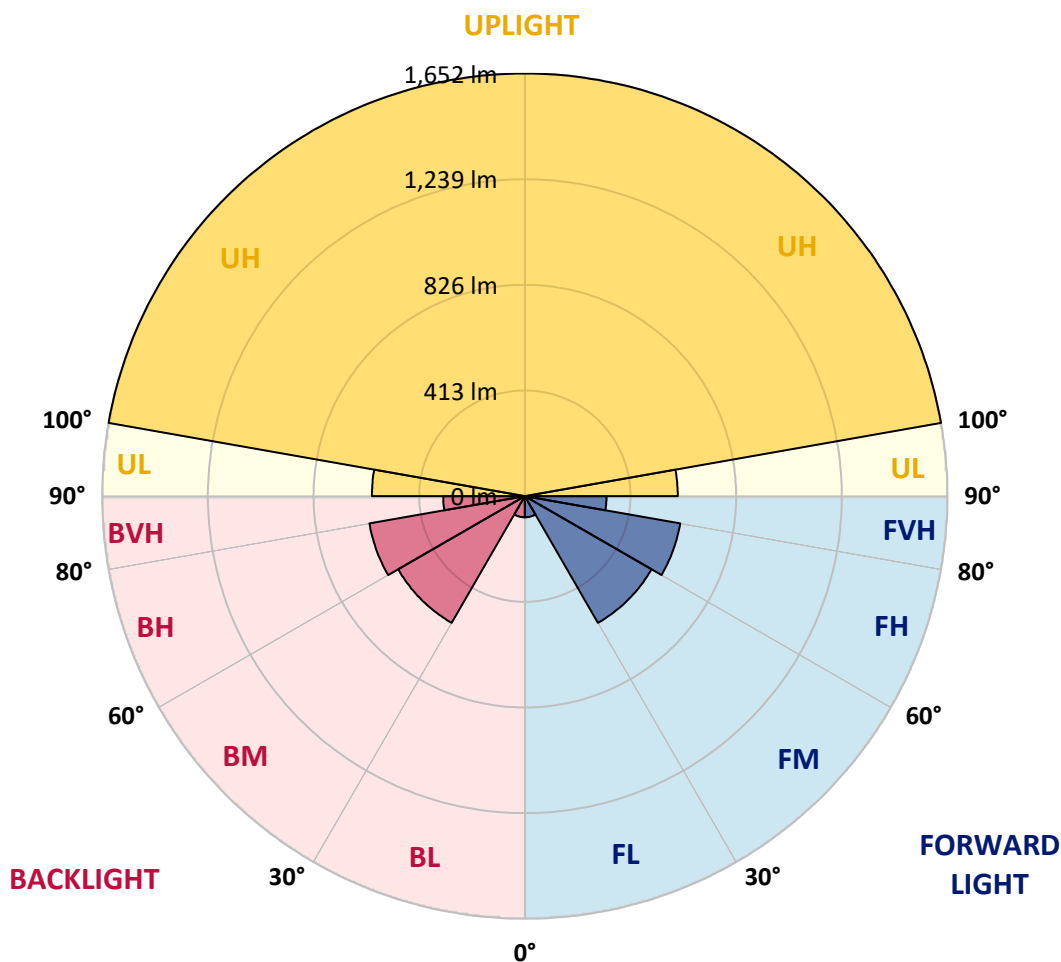
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.7	1.5			
FM (30°-60°)	572.0	10.5			
FH (60°-80°)	617.0	11.4			G0/660
FVH (80°-90°)	319.4	5.9			G3/500
BL (0°-30°)	82.7	1.5	B0/110		
BM (30°-60°)	572.0	10.5	B1/1000		
BH (60°-80°)	617.0	11.4	B2/1000		G0/660
BVH (80°-90°)	319.4	5.9			G3/500
UL (90°-100°)	597.9	11.0		U4/1000	
UH (100°-180°)	1652.3	30.4		U5	

BUG Rating: B2-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2.5°	55.9	55.9	55.6	55.6	55.2	54.9	54.9	54.6	54.2	54.2	54.2
5°	62.2	61.9	61.9	61.9	61.9	61.5	61.9	61.5	61.5	61.5	61.9
7.5°	75.9	75.5	75.5	75.5	75.9	75.9	76.2	76.6	76.9	76.9	76.9
10°	93.7	93.4	93.4	93.0	93.7	93.7	94.1	93.4	94.4	94.4	94.4
12.5°	114.7	114.3	114.3	114.0	114.7	114.3	115.0	114.3	116.1	115.4	115.4
15°	137.4	137.4	137.1	136.7	137.8	137.8	138.5	138.5	139.5	138.8	139.2
17.5°	161.6	161.2	161.2	160.9	161.9	161.9	161.9	162.6	164.0	162.6	163.7
20°	187.4	187.1	187.1	186.7	187.8	187.8	188.5	188.8	190.2	189.2	189.9
22.5°	215.4	215.1	215.1	215.1	216.5	216.8	216.8	217.9	219.6	217.9	219.3
25°	246.5	246.2	246.2	247.2	248.3	248.6	249.3	250.7	252.5	250.7	252.5
27.5°	279.7	279.4	280.1	281.5	282.5	283.2	284.3	284.6	287.1	285.3	287.8
30°	314.0	313.7	314.4	316.1	317.5	319.6	319.6	320.7	324.2	321.7	324.2
32.5°	347.9	347.6	348.6	350.7	352.8	354.9	355.3	356.7	360.2	358.4	360.9
35°	381.5	381.2	382.6	385.4	387.4	389.5	390.2	391.6	395.5	393.7	396.2
37.5°	413.3	413.3	414.7	417.9	420.3	423.1	422.8	424.5	428.0	427.0	429.4
40°	443.0	443.0	444.8	448.6	451.4	453.2	452.8	454.6	458.4	458.1	460.2
42.5°	470.0	470.0	472.4	476.3	479.1	480.1	480.1	481.9	486.1	485.7	487.8
45°	492.7	493.8	496.5	500.7	503.2	504.2	503.5	505.3	509.8	509.8	511.6
47.5°	513.7	515.1	517.9	522.1	523.8	524.9	524.2	525.6	530.1	530.8	532.6
50°	531.9	532.9	536.4	541.0	542.7	542.7	541.7	543.1	548.0	549.4	550.7
52.5°	547.6	548.7	552.5	557.4	558.4	558.1	556.7	558.1	563.0	564.4	565.4
55°	560.2	561.2	565.8	570.7	571.7	570.7	568.6	570.3	574.9	577.0	578.7
57.5°	570.3	571.4	576.6	581.5	582.6	580.5	578.0	579.8	585.0	587.5	588.2
60°	578.7	579.8	585.4	590.6	591.3	588.9	586.1	587.8	593.1	595.9	596.6
62.5°	585.4	586.4	592.4	598.3	598.7	595.5	592.4	594.1	599.4	602.5	603.6
65°	589.9	591.0	597.6	603.6	604.3	600.4	597.3	599.0	603.9	607.7	608.4
67.5°	593.1	594.1	601.5	607.7	608.1	603.9	600.4	601.8	607.4	611.2	611.9
70°	594.5	595.5	603.2	609.8	610.2	605.7	601.5	603.2	608.8	613.3	614.0
72.5°	594.8	596.2	604.3	610.9	611.2	606.0	601.8	603.2	609.1	614.4	614.7
75°	593.4	595.2	603.6	610.5	610.5	604.6	600.1	601.5	608.1	613.7	614.7
77.5°	591.7	592.7	601.5	608.4	608.1	601.8	596.6	598.7	605.3	611.6	612.3
80°	587.8	589.2	598.0	604.6	603.9	596.9	592.0	594.1	601.1	607.7	608.4
82.5°	582.9	584.3	593.1	599.0	598.3	591.0	586.1	588.5	595.9	602.9	603.6
85°	577.0	578.4	586.8	592.4	591.3	584.0	579.1	581.2	589.2	596.2	596.9
87.5°	569.3	570.7	579.1	584.0	582.9	575.2	571.0	573.8	581.2	588.5	588.9
90°	560.5	562.3	569.6	574.2	572.8	565.8	561.9	564.7	572.1	579.1	579.8
92.5°	551.8	552.5	559.5	563.3	562.3	556.0	552.5	555.6	562.3	569.3	569.3
95°	541.3	542.4	548.7	551.8	550.7	545.5	542.4	545.9	551.8	558.4	558.8
97.5°	530.1	531.2	536.4	539.6	538.5	534.0	531.9	535.4	540.6	546.9	547.3
100°	518.2	518.9	523.5	526.3	525.2	521.7	520.3	523.8	528.7	534.7	534.7
102.5°	504.9	505.6	509.1	510.9	510.5	507.7	507.7	511.6	515.4	521.0	521.7
105°	491.0	491.7	494.1	495.2	494.8	493.8	494.5	498.3	501.4	506.3	507.0
107.5°	475.2	475.9	477.3	477.7	477.7	477.7	480.1	483.6	487.1	490.6	491.0
110°	458.4	458.8	459.8	459.5	459.5	460.2	463.7	467.5	470.3	473.8	474.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	440.3	440.6	441.3	439.9	440.3	441.6	446.2	450.4	452.1	455.6	455.6
115°	421.0	420.7	421.4	419.6	419.3	421.7	426.6	431.5	432.9	435.4	435.7
117.5°	400.0	400.4	400.0	397.9	397.6	401.1	405.6	410.2	411.9	414.7	414.0
120°	378.4	378.0	378.4	375.9	375.6	379.4	384.0	388.5	389.5	392.0	391.3
122.5°	356.3	356.0	355.6	353.2	353.2	356.3	361.9	366.5	365.8	368.6	368.2
125°	333.6	333.6	332.9	330.4	330.4	334.3	338.8	343.0	342.3	345.5	344.4
127.5°	311.2	311.2	310.5	308.4	308.4	311.9	316.1	320.3	319.3	322.1	321.0
130°	289.2	289.2	288.5	286.4	286.4	289.2	293.7	297.2	295.8	298.3	297.9
132.5°	268.2	267.9	267.5	265.4	265.8	268.6	272.1	275.2	273.8	276.6	275.5
135°	247.9	247.6	247.2	245.1	245.5	248.3	251.4	253.9	252.8	254.6	254.2
137.5°	228.7	228.3	228.0	226.2	226.6	228.7	231.8	233.9	232.5	235.0	233.9
140°	210.5	210.2	209.5	208.4	208.8	210.9	212.6	215.1	213.7	215.8	214.7
142.5°	193.0	193.0	192.3	191.3	191.6	193.7	195.1	196.9	195.5	197.2	196.5
145°	176.9	176.9	176.2	175.5	175.5	177.3	178.3	180.1	178.7	180.4	179.7
147.5°	162.3	162.3	161.6	160.9	160.9	162.6	163.3	164.7	163.3	164.7	164.0
150°	148.6	148.6	148.3	147.6	147.9	148.6	149.3	150.4	149.3	150.4	150.0
152.5°	136.7	136.7	136.4	136.0	135.7	136.7	137.1	138.1	137.1	138.1	137.4
155°	126.2	125.9	125.9	125.2	125.2	125.9	126.2	126.9	125.9	126.9	126.6
157.5°	116.8	116.8	116.4	116.1	116.1	116.4	116.8	117.1	116.4	117.5	116.8
160°	108.8	108.8	108.4	108.1	108.1	108.4	108.4	108.8	108.1	108.8	108.4
162.5°	101.8	101.8	101.4	101.4	101.1	101.4	101.8	101.8	101.4	101.8	101.4
165°	96.2	96.2	95.8	95.5	95.5	95.8	95.8	96.2	95.5	95.8	95.8
167.5°	90.9	90.9	90.9	90.6	90.2	90.6	90.6	90.6	90.2	90.6	90.6
170°	87.1	87.1	87.1	86.7	86.4	86.7	86.7	86.7	86.4	86.7	86.7
172.5°	83.9	83.9	83.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
175°	81.8	81.8	81.8	81.8	81.5	81.8	81.8	81.8	81.8	81.8	81.5
177.5°	80.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
180°	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1

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: SP1-2406-133-2

Test Date: 07/11/2024

Luminaire Tested: FFX-CLB-100-722-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-722-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-2
 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-100-722-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 2211
 CIE u': 0.2892
 CIE v': 0.5376
 Duv: 0.0011
 CIE x: 0.5069
 CIE y: 0.4188
 CIE z: 0.0743
 Peak Wavelength (nm): 606
 Dominant Wavelength (nm): 586
 Purity: 77.8805
 Rf: 76.1
 Rg: 94.3

CRI (Ra):	71.4		
R1:	68.2	R9:	-29.2
R2:	85.0	R10:	67.8
R3:	94.0	R11:	60.7
R4:	65.1	R12:	59.0
R5:	66.6	R13:	71.3
R6:	81.8	R14:	97.6
R7:	73.4	R15:	58.9
R8:	37.3		



Test Conditions

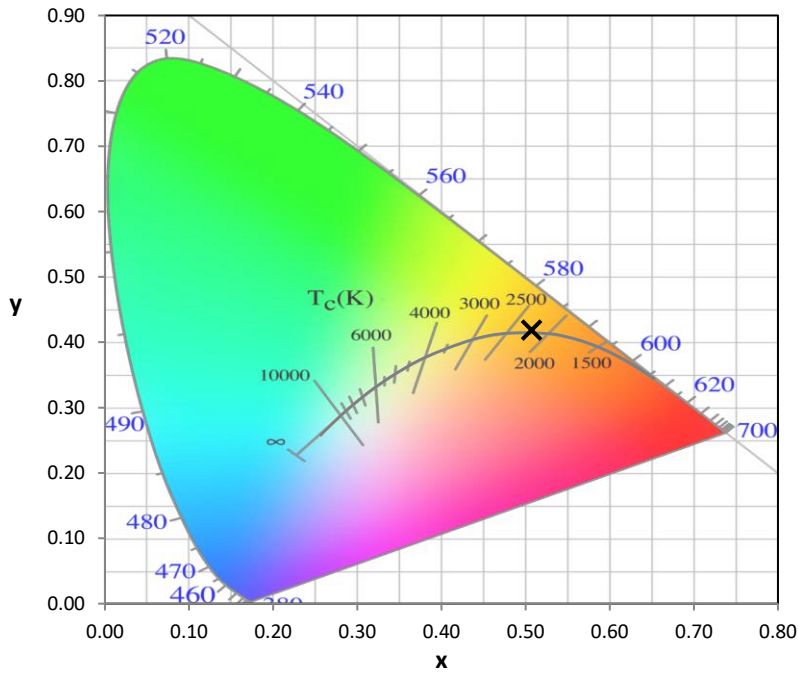
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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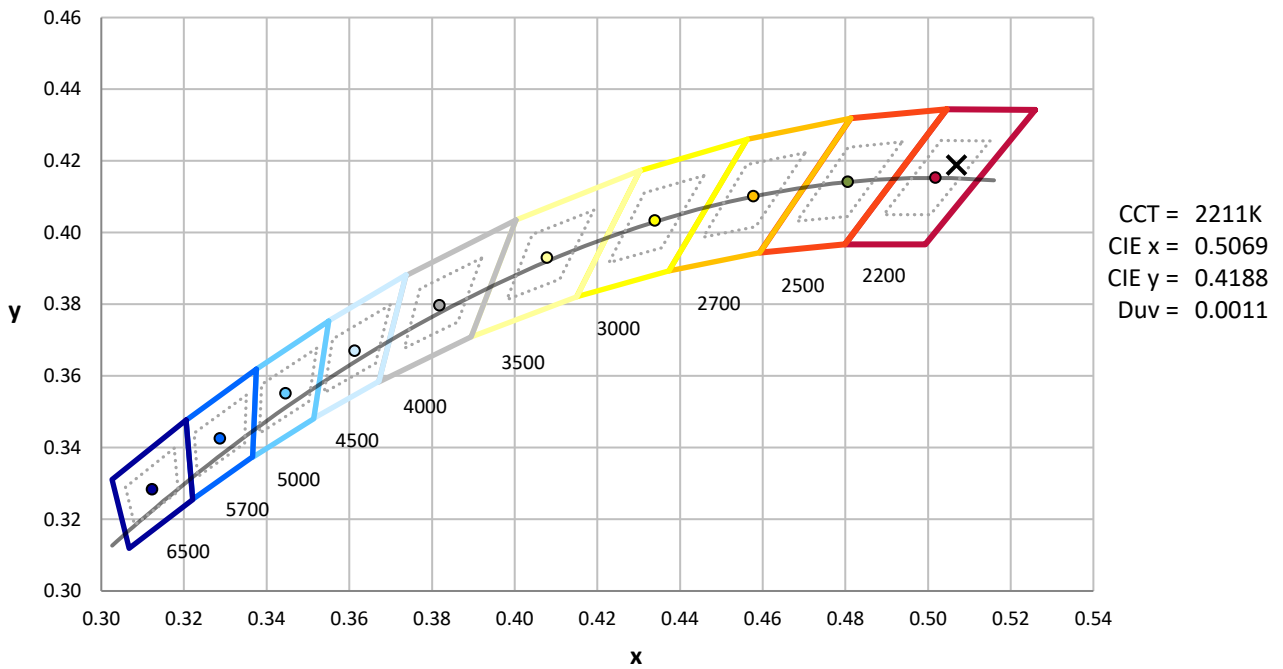
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

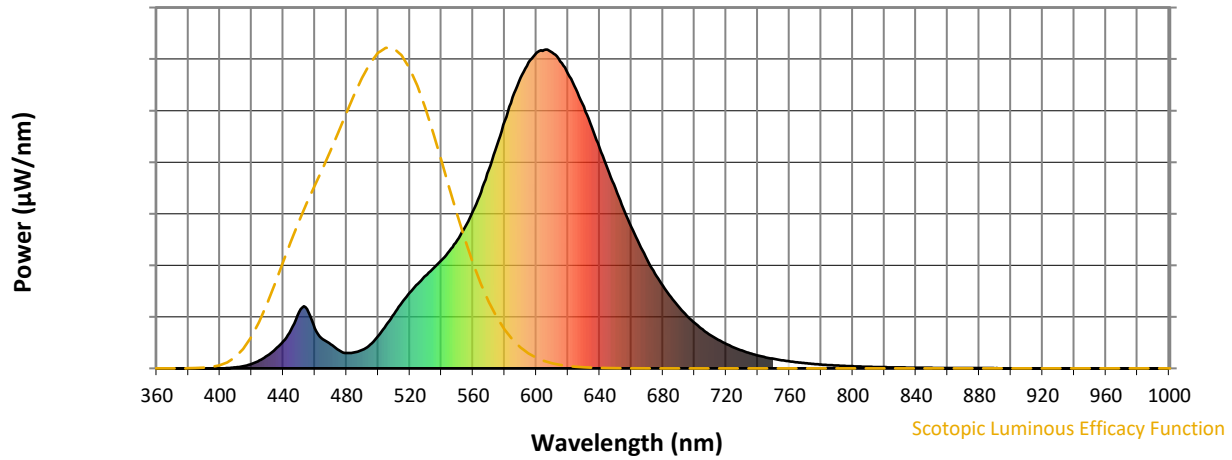


Photopic Lumens: NR

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.87

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.42

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	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	630	821	NR	760	22	NR	890	1	NR
375	0	NR	505	135	NR	635	756	NR	765	19	NR	895	0	NR
380	0	NR	510	171	NR	640	692	NR	770	16	NR	900	0	NR
385	0	NR	515	206	NR	645	626	NR	775	14	NR	905	0	NR
390	0	NR	520	238	NR	650	564	NR	780	12	NR	910	0	NR
395	0	NR	525	265	NR	655	502	NR	785	10	NR	915	0	NR
400	0	NR	530	291	NR	660	444	NR	790	9	NR	920	0	NR
405	1	NR	535	314	NR	665	390	NR	795	8	NR	925	0	NR
410	3	NR	540	339	NR	670	341	NR	800	7	NR	930	0	NR
415	7	NR	545	368	NR	675	298	NR	805	6	NR	935	0	NR
420	14	NR	550	401	NR	680	259	NR	810	5	NR	940	0	NR
425	25	NR	555	444	NR	685	224	NR	815	4	NR	945	0	NR
430	40	NR	560	495	NR	690	194	NR	820	4	NR	950	0	NR
435	60	NR	565	553	NR	695	166	NR	825	3	NR	955	0	NR
440	85	NR	570	623	NR	700	142	NR	830	3	NR	960	0	NR
445	121	NR	575	699	NR	705	122	NR	835	2	NR	965	0	NR
450	177	NR	580	777	NR	710	105	NR	840	2	NR	970	0	NR
455	186	NR	585	850	NR	715	90	NR	845	2	NR	975	0	NR
460	126	NR	590	912	NR	720	77	NR	850	2	NR	980	0	NR
465	92	NR	595	960	NR	725	65	NR	855	1	NR	985	0	NR
470	76	NR	600	990	NR	730	56	NR	860	1	NR	990	0	NR
475	57	NR	605	998	NR	735	48	NR	865	1	NR	995	0	NR
480	48	NR	610	991	NR	740	40	NR	870	1	NR	1000	0	NR
485	50	NR	615	963	NR	745	35	NR	875	1	NR			

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Summary

$R_f = 76.1$
 $R_g = 94.3$
 CIE $R_a = 71.4$
 $R_9 = -29.2$



Color Vector Graphics

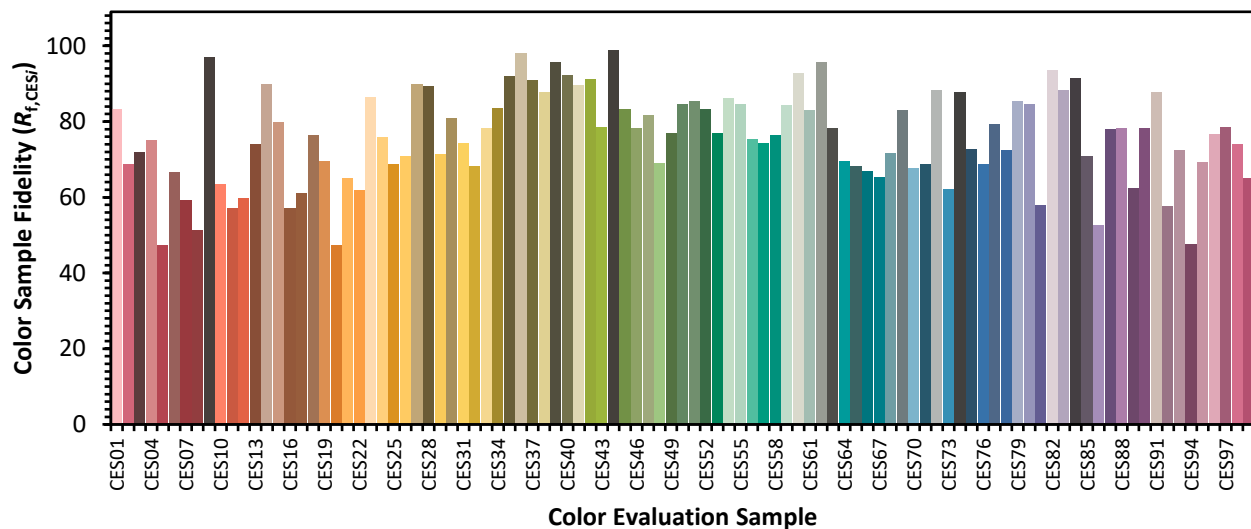


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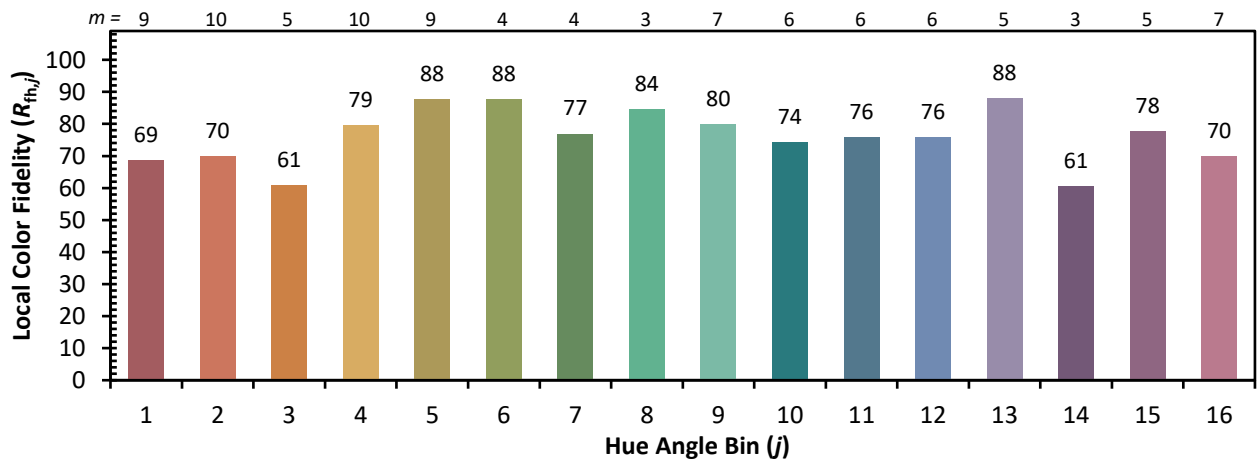
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Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 93
CES08 = 42	CES33 = 78	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 84	CES59 = 84	CES84 = 92
CES10 = 79	CES35 = 92	CES60 = 93	CES85 = 71
CES11 = 62	CES36 = 98	CES61 = 83	CES86 = 53
CES12 = 68	CES37 = 91	CES62 = 96	CES87 = 78
CES13 = 45	CES38 = 88	CES63 = 78	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 69	CES89 = 63
CES15 = 72	CES40 = 92	CES65 = 68	CES90 = 78
CES16 = 49	CES41 = 90	CES66 = 67	CES91 = 88
CES17 = 51	CES42 = 91	CES67 = 65	CES92 = 58
CES18 = 57	CES43 = 79	CES68 = 72	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 68	CES45 = 83	CES70 = 68	CES95 = 69
CES21 = 88	CES46 = 78	CES71 = 69	CES96 = 77
CES22 = 81	CES47 = 82	CES72 = 88	CES97 = 79
CES23 = 92	CES48 = 69	CES73 = 62	CES98 = 74
CES24 = 92	CES49 = 77	CES74 = 88	CES99 = 65
CES25 = 74	CES50 = 85	CES75 = 73	



Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)