

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: P856147

Luminaire Tested: **FFX-CLB-90-722-U-FR-T5-UPLR**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856147
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-90-722-U-FR-T5-UPLR
Description: FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

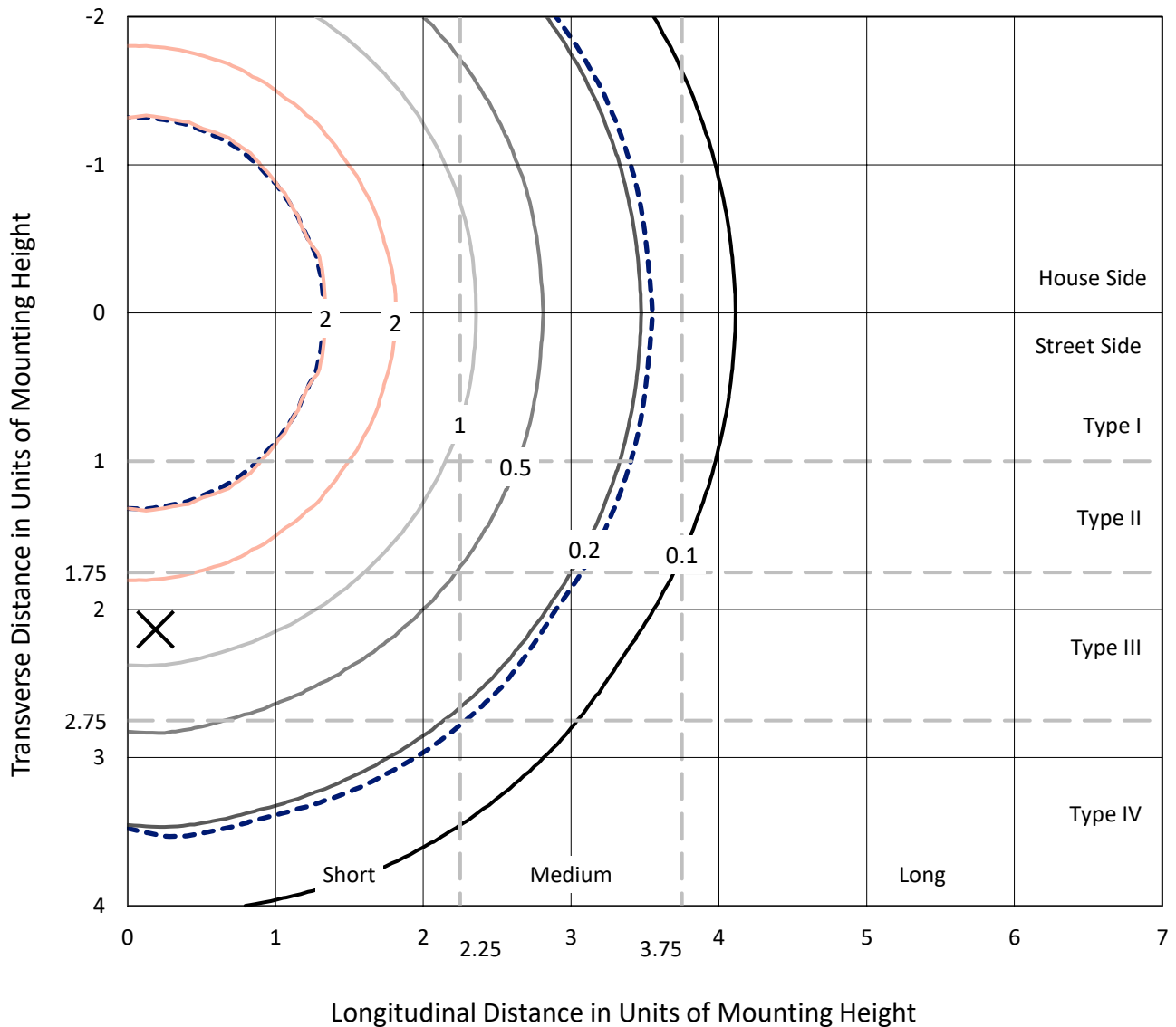
Lumens per Lamp: N/A
Luminaire Lumens: 12023.8 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification: Type V - Short
BUG Rating: B4 - U5 - G3

Input Watts (W): 90.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.6%%
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

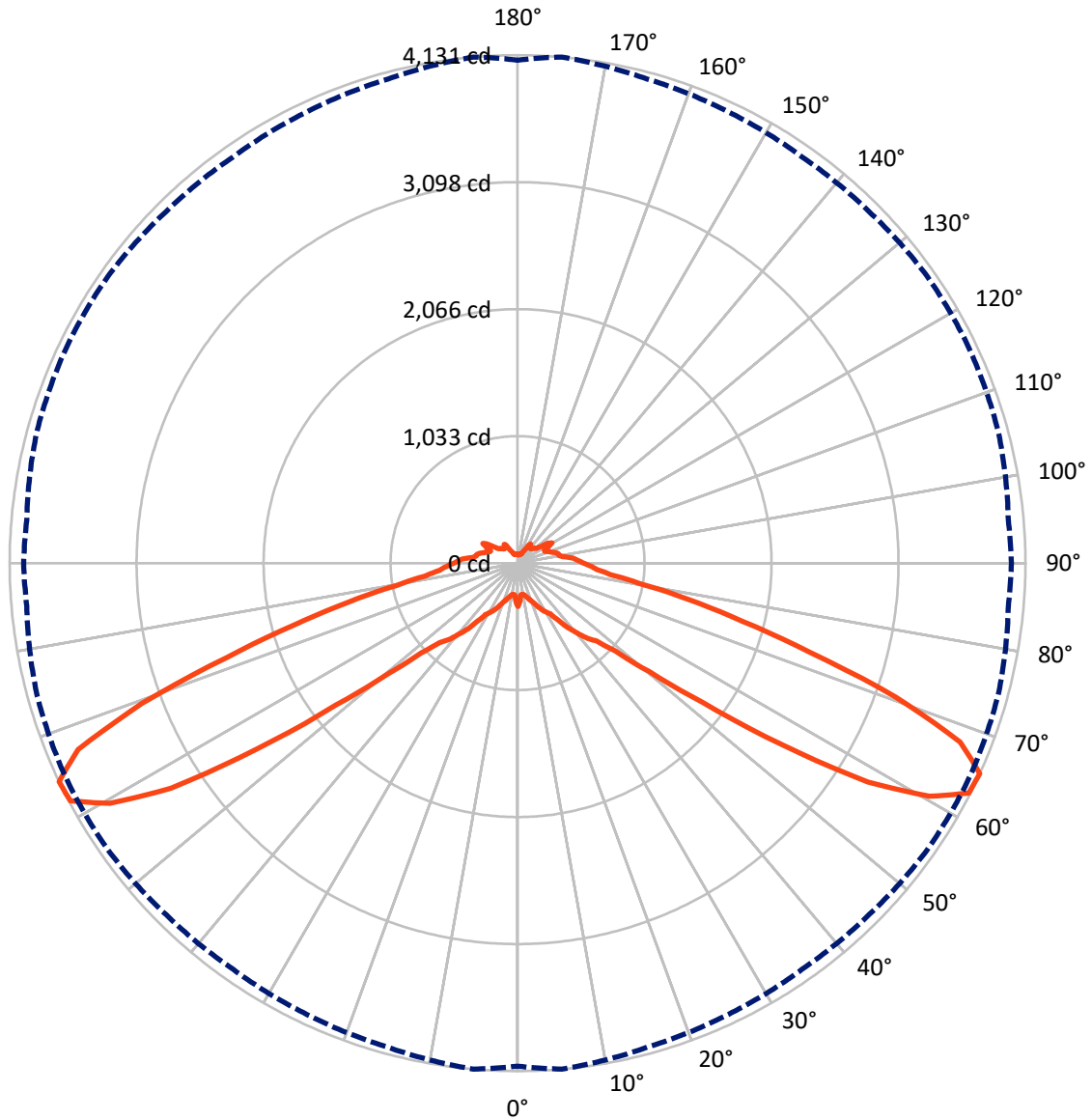
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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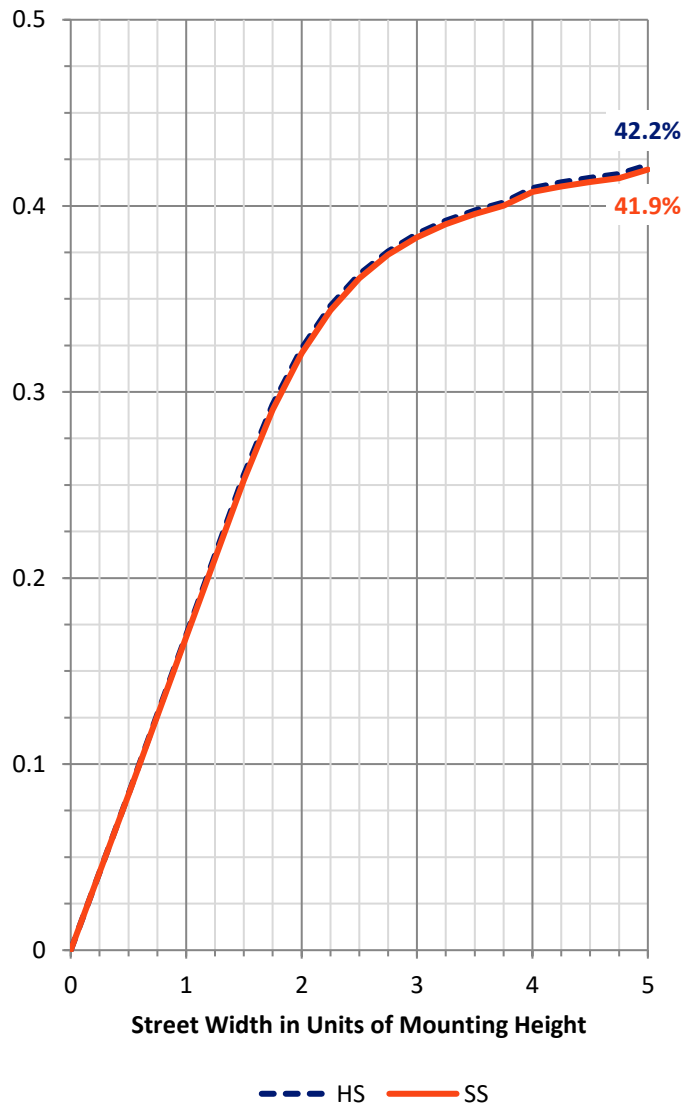
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5252.1	759.7	6011.9
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	5252.1	759.7	6011.9
	% Fixture	43.7	6.3	50.0
Total	Lumens	10504.3	1519.5	12023.8
	% Fixture	87.4	12.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	0.2
10°-20°	84.4	0.7
20°-30°	183.0	1.5
30°-40°	370.7	3.1
40°-50°	747.4	6.2
50°-60°	2376.1	19.8
60°-70°	3831.9	31.9
70°-80°	2089.6	17.4
80°-90°	795.7	6.6
90°-100°	477.5	4.0
100°-110°	304.5	2.5
110°-120°	231.6	1.9
120°-130°	196.0	1.6
130°-140°	127.7	1.1
140°-150°	107.0	0.9
150°-160°	48.0	0.4
160°-170°	20.4	0.2
170°-180°	6.8	0.1
0°-90°	10504.3	87.4
0°-180°	12023.8	100.0



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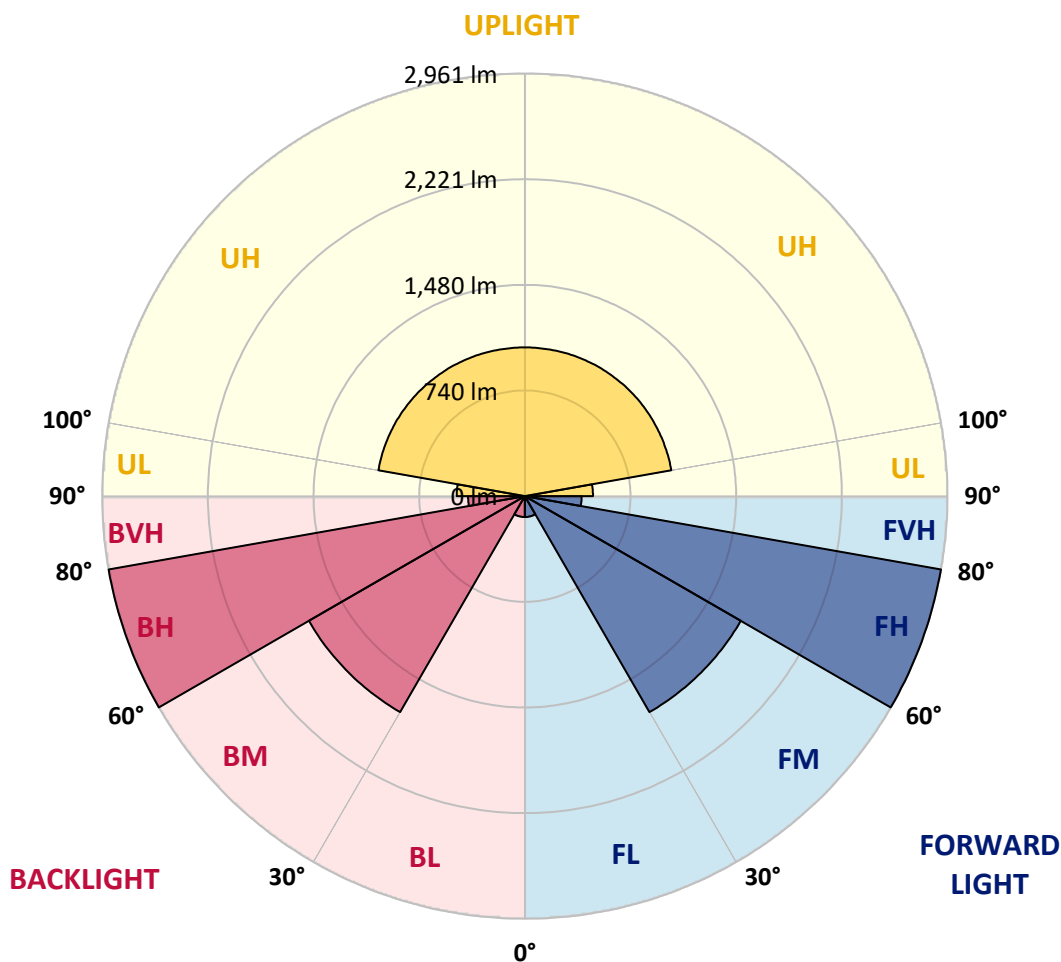
CATALOG NUMBER: FFX-CLB-90-722-U-FR-T5-UPLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.5	1.2			
FM (30°-60°)	1747.1	14.5			
FH (60°-80°)	2960.7	24.6			G2/5000
FVH (80°-90°)	397.8	3.3			G3/500
BL (0°-30°)	146.5	1.2	B1/500		
BM (30°-60°)	1747.1	14.5	B2/2500		
BH (60°-80°)	2960.7	24.6	B4/5000		G2/5000
BVH (80°-90°)	397.8	3.3			G3/500
UL (90°-100°)	477.5	4.0		U3/500	
UH (100°-180°)	1042.0	8.7		U5	

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8	352.8
2.5°	315.2	320.2	306.4	295.1	290.1	291.3	302.6	313.9	302.6	306.4	306.4
5°	261.2	262.4	262.4	259.9	263.7	256.2	247.4	247.4	256.2	266.2	266.2
7.5°	252.4	256.2	266.2	266.2	270.0	257.4	244.9	246.1	258.7	273.7	277.5
10°	259.9	259.9	257.4	259.9	268.7	267.5	253.6	247.4	256.2	271.2	276.3
12.5°	271.2	271.2	278.8	290.1	291.3	280.0	266.2	264.9	275.0	285.0	285.0
15°	287.6	288.8	292.6	291.3	295.1	291.3	287.6	290.1	296.3	296.3	296.3
17.5°	308.9	308.9	308.9	308.9	308.9	310.2	311.4	311.4	311.4	313.9	313.9
20°	332.8	332.8	331.5	330.2	330.2	331.5	332.8	332.8	332.8	335.3	335.3
22.5°	362.9	361.6	359.1	359.1	359.1	360.4	357.9	356.6	355.4	356.6	356.6
25°	398.1	398.1	395.5	391.8	391.8	390.5	386.8	385.5	384.2	386.8	385.5
27.5°	433.2	433.2	429.4	424.4	424.4	424.4	421.9	419.4	416.9	418.1	418.1
30°	465.9	463.3	462.1	458.3	457.1	458.3	455.8	455.8	450.8	449.5	452.0
32.5°	496.0	493.5	496.0	492.2	488.5	492.2	491.0	491.0	483.4	480.9	483.4
35°	578.9	572.6	577.6	568.8	563.8	565.1	567.6	572.6	565.1	561.3	562.5
37.5°	668.0	666.8	683.1	696.9	694.4	673.0	659.2	661.7	671.8	685.6	685.6
40°	750.9	748.4	752.2	747.1	747.1	744.6	743.4	749.6	729.6	724.5	720.8
42.5°	837.5	836.3	814.9	784.8	778.5	803.6	814.9	823.7	794.8	784.8	777.3
45°	922.9	905.3	901.6	891.5	881.5	897.8	896.6	902.8	889.0	887.8	881.5
47.5°	1102.5	1069.8	1058.5	1059.8	1038.5	1056.0	1063.6	1083.7	1054.8	1056.0	1054.8
50°	1426.5	1385.0	1403.9	1391.3	1368.7	1390.0	1388.8	1425.2	1377.5	1395.1	1387.5
52.5°	1932.5	1876.0	1887.3	1879.8	1857.2	1901.1	1911.2	1965.1	1873.5	1896.1	1889.8
55°	2664.6	2603.0	2628.2	2537.7	2513.9	2600.5	2633.2	2696.0	2574.2	2586.7	2580.4
57.5°	3362.7	3359.0	3401.7	3337.6	3316.3	3377.8	3347.7	3402.9	3337.6	3384.1	3369.0
60°	3838.6	3848.7	3891.4	3910.2	3872.5	3905.2	3832.4	3873.8	3853.7	3921.5	3915.2
62.5°	4086.0	4118.6	4093.5	4094.8	4053.4	4078.5	4064.7	4088.5	4083.5	4089.8	4083.5
65°	4091.0	4131.2	4076.0	4050.8	4033.3	4043.3	4067.2	4067.2	4052.1	4006.9	4016.9
67.5°	3823.6	3883.8	3822.3	3787.1	3797.2	3793.4	3809.8	3788.4	3779.6	3713.1	3714.3
70°	3165.6	3262.3	3171.9	3139.2	3165.6	3181.9	3180.7	3163.1	3149.3	3066.4	3090.2
72.5°	2403.4	2488.8	2408.4	2395.8	2421.0	2446.1	2424.7	2446.1	2423.5	2385.8	2397.1
75°	1814.5	1887.3	1887.3	1935.0	1942.5	1928.7	1869.7	1893.6	1908.6	1909.9	1921.2
77.5°	1334.8	1411.4	1451.6	1529.4	1525.7	1501.8	1430.2	1457.9	1486.7	1506.8	1520.6
80°	949.3	1007.1	1066.1	1121.3	1128.9	1108.8	1064.8	1081.1	1098.7	1112.5	1120.1
82.5°	735.8	762.2	750.9	744.6	754.7	783.5	793.6	803.6	778.5	762.2	768.5
85°	641.7	644.2	664.3	678.1	681.8	681.8	671.8	679.3	685.6	701.9	701.9
87.5°	585.1	587.7	637.9	651.7	656.7	650.4	637.9	642.9	647.9	658.0	658.0
90°	519.9	527.4	577.6	588.9	593.9	583.9	580.1	583.9	577.6	581.4	581.4
92.5°	483.4	483.4	507.3	502.3	501.0	502.3	503.5	507.3	501.0	498.5	498.5
95°	442.0	448.3	442.0	447.0	445.8	439.5	437.0	439.5	435.7	435.7	438.2
97.5°	370.4	371.7	360.4	364.1	364.1	359.1	352.8	355.4	351.6	354.1	355.4
100°	346.6	342.8	324.0	321.5	320.2	316.4	312.7	312.7	311.4	310.2	311.4
102.5°	339.0	339.0	313.9	308.9	306.4	300.1	295.1	295.1	295.1	295.1	296.3
105°	310.2	318.9	300.1	296.3	292.6	285.0	277.5	276.3	278.8	276.3	280.0
107.5°	281.3	288.8	278.8	278.8	275.0	267.5	262.4	261.2	262.4	259.9	262.4
110°	264.9	268.7	257.4	257.4	254.9	248.6	247.4	246.1	246.1	242.3	244.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	244.9	244.9	236.1	233.6	233.6	229.8	228.5	227.3	227.3	227.3	228.5
115°	243.6	242.3	228.5	219.7	218.5	217.2	218.5	217.2	217.2	216.0	216.0
117.5°	297.6	285.0	238.6	217.2	217.2	218.5	223.5	219.7	211.0	211.0	209.7
120°	321.5	324.0	275.0	252.4	247.4	241.1	239.8	237.3	228.5	227.3	232.3
122.5°	283.8	296.3	266.2	257.4	252.4	244.9	239.8	238.6	238.6	232.3	241.1
125°	221.0	232.3	217.2	216.0	214.7	216.0	213.5	213.5	216.0	212.2	213.5
127.5°	189.6	194.6	188.4	188.4	187.1	185.8	183.3	184.6	183.3	184.6	185.8
130°	182.1	185.8	179.6	177.1	177.1	178.3	178.3	178.3	174.5	172.0	173.3
132.5°	180.8	179.6	169.5	164.5	164.5	173.3	177.1	177.1	168.3	162.0	162.0
135°	163.2	164.5	163.2	157.0	158.2	160.7	164.5	165.8	157.0	153.2	154.4
137.5°	157.0	160.7	162.0	159.5	159.5	157.0	155.7	157.0	154.4	155.7	155.7
140°	157.0	158.2	162.0	164.5	162.0	159.5	159.5	159.5	160.7	164.5	167.0
142.5°	160.7	162.0	160.7	159.5	163.2	169.5	174.5	174.5	170.8	168.3	169.5
145°	184.6	188.4	188.4	184.6	187.1	184.6	184.6	182.1	182.1	182.1	183.3
147.5°	175.8	174.5	177.1	180.8	177.1	175.8	175.8	177.1	179.6	180.8	182.1
150°	138.1	134.4	136.9	144.4	143.1	143.1	143.1	144.4	145.7	145.7	146.9
152.5°	109.2	109.2	111.8	111.8	113.0	113.0	111.8	111.8	111.8	113.0	113.0
155°	97.9	96.7	99.2	103.0	100.5	100.5	100.5	100.5	100.5	100.5	101.7
157.5°	85.4	84.1	84.1	85.4	85.4	85.4	85.4	86.6	86.6	85.4	86.6
160°	77.9	77.9	76.6	76.6	76.6	77.9	79.1	79.1	77.9	76.6	76.6
162.5°	74.1	74.1	71.6	70.3	70.3	71.6	74.1	74.1	71.6	70.3	70.3
165°	74.1	72.8	69.1	66.6	66.6	69.1	72.8	72.8	69.1	66.6	66.6
167.5°	72.8	72.8	70.3	67.8	67.8	70.3	71.6	72.8	71.6	69.1	67.8
170°	70.3	70.3	71.6	71.6	70.3	70.3	70.3	70.3	71.6	71.6	71.6
172.5°	72.8	71.6	72.8	74.1	74.1	72.8	71.6	71.6	72.8	74.1	74.1
175°	74.1	74.1	72.8	72.8	72.8	71.6	71.6	71.6	72.8	74.1	72.8
177.5°	66.6	66.6	65.3	66.6	66.6	66.6	65.3	66.6	66.6	66.6	67.8
180°	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8

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: SP1-2406-133-2

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.

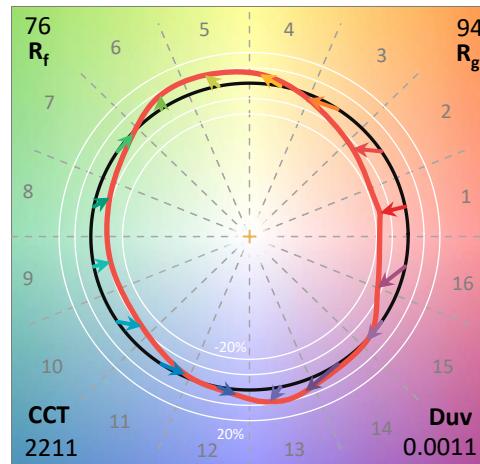
Test Information

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

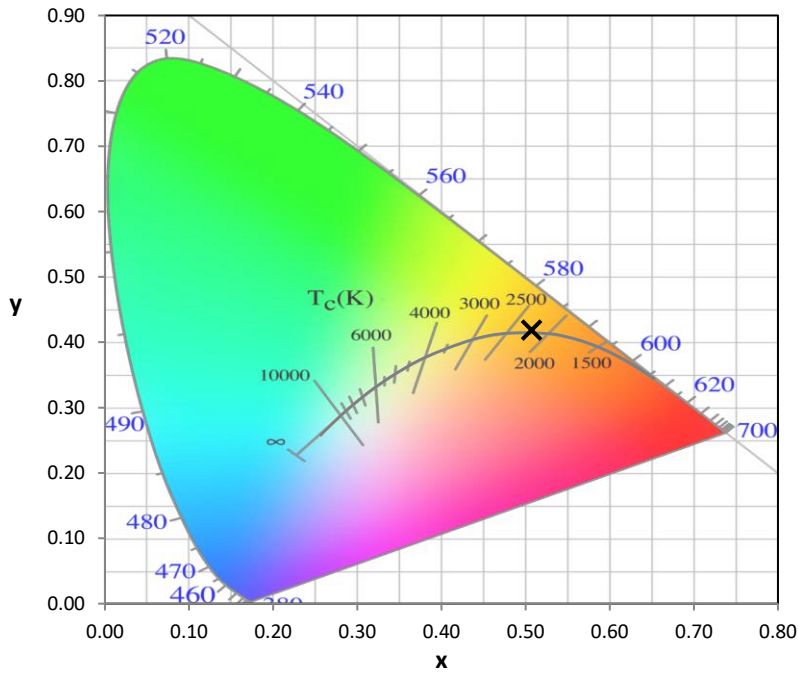
Stabilization Time: 0.813563M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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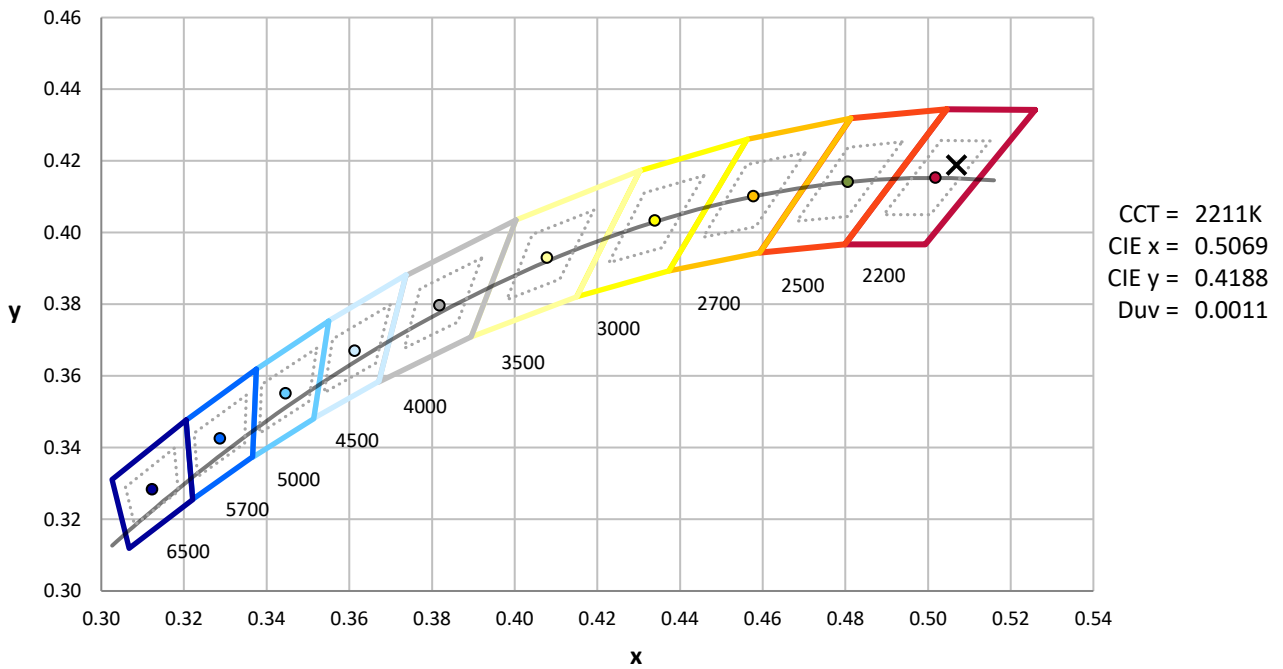
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

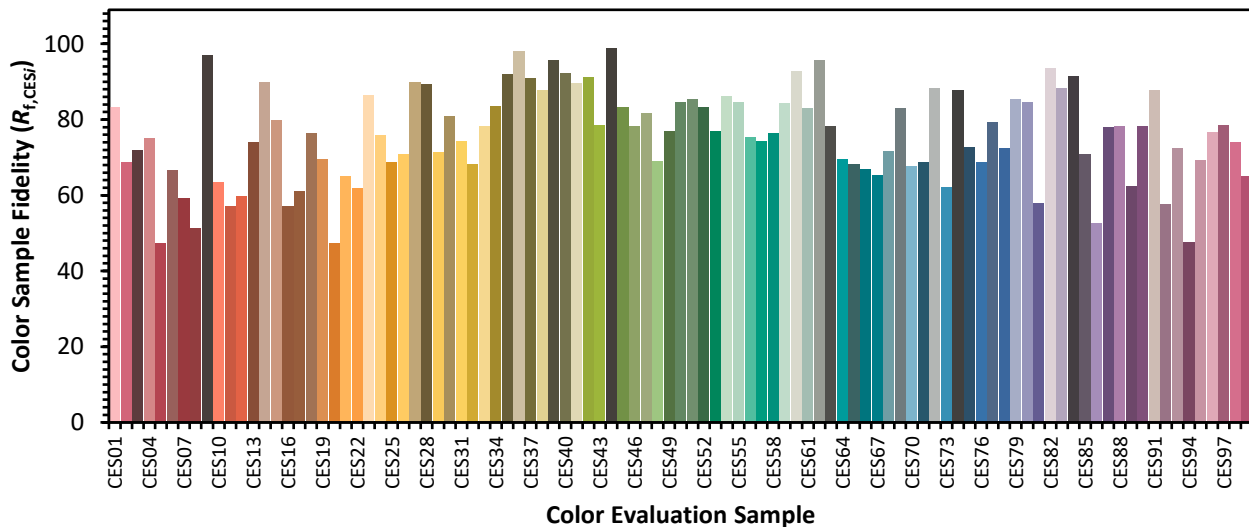


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Individual Sample Fidelity Index ($R_{f,i}$)

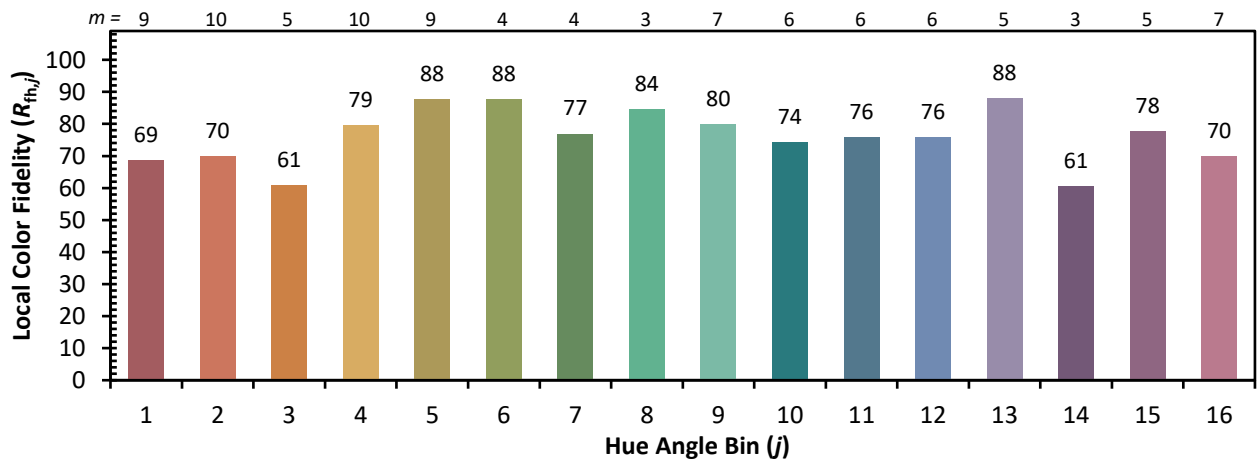
CES01 = 87	CES26 = 71	CES51 = 85	CES76 = 69
CES02 = 65	CES27 = 90	CES52 = 83	CES77 = 79
CES03 = 32	CES28 = 89	CES53 = 77	CES78 = 72
CES04 = 72	CES29 = 71	CES54 = 86	CES79 = 86
CES05 = 52	CES30 = 81	CES55 = 85	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 58
CES07 = 44	CES32 = 68	CES57 = 74	CES82 = 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	



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)