

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: P856328

Luminaire Tested: **FFX-CLB-80-722-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856328
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-722-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

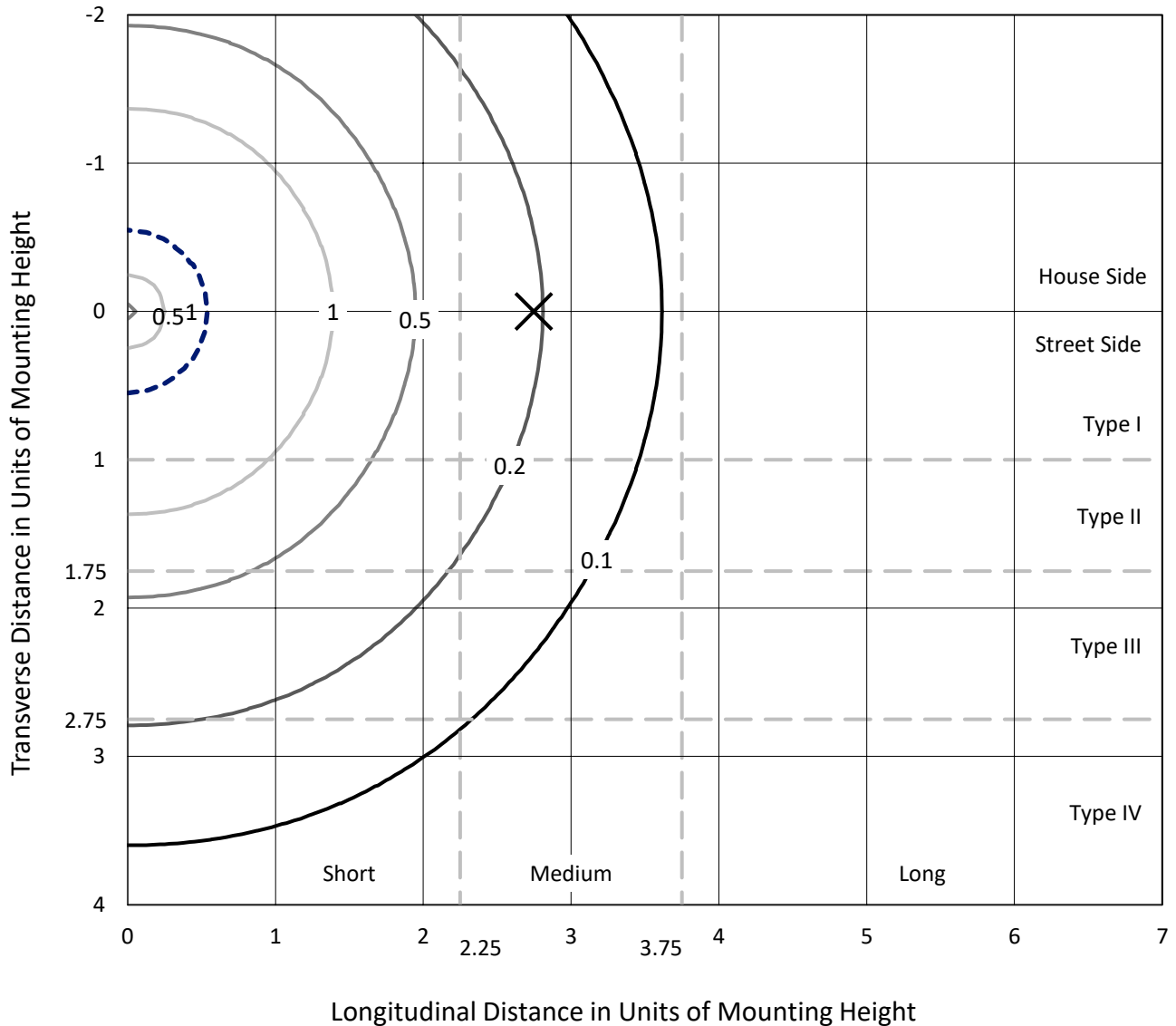
Lumens per Lamp: N/A
Luminaire Lumens: 10996.1 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 6.1%%
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

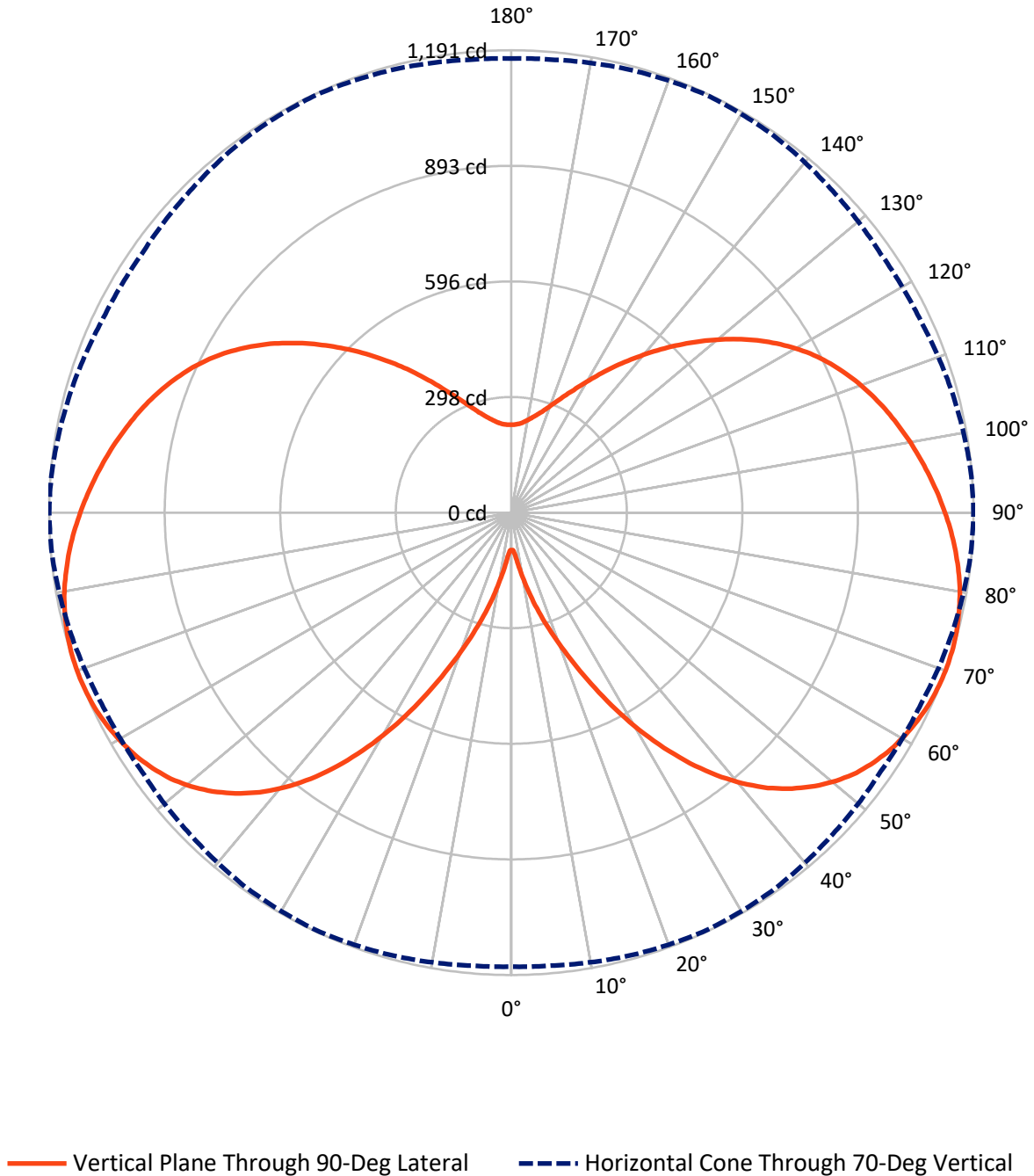
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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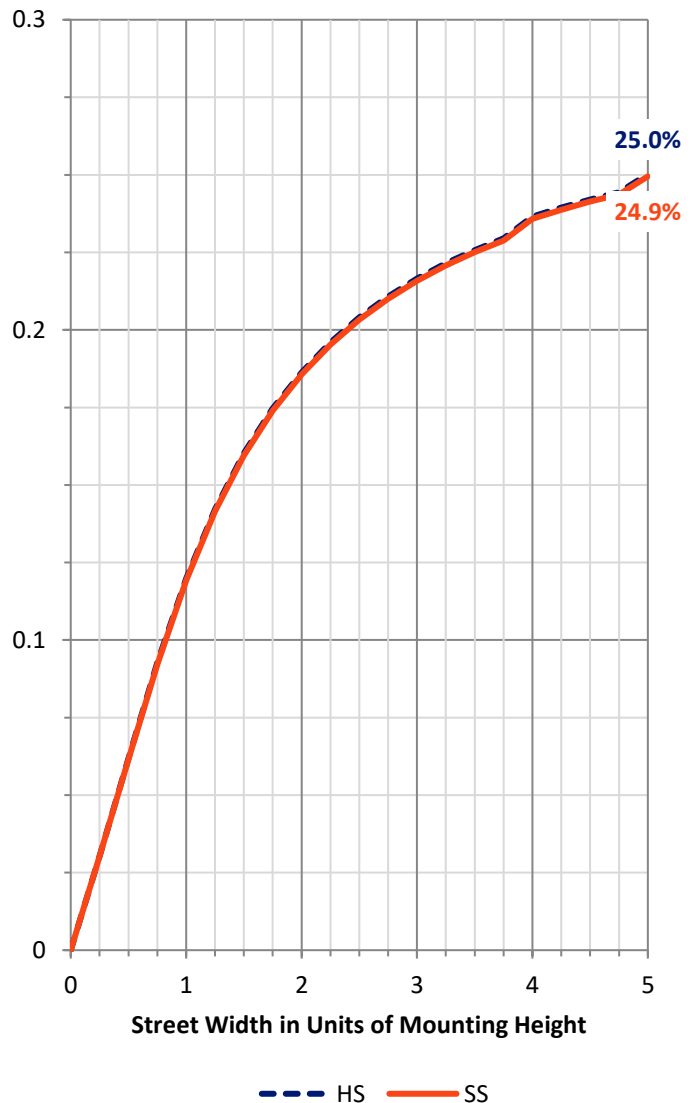
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3114.0	2384.1	5498.1
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	3114.0	2384.1	5498.1
	% Fixture	28.3	21.7	50.0
Total	Lumens	6228.0	4768.1	10996.1
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.1
10°-20°	78.7	0.7
20°-30°	234.9	2.1
30°-40°	491.1	4.5
40°-50°	770.8	7.0
50°-60°	1000.5	9.1
60°-70°	1158.2	10.5
70°-80°	1239.9	11.3
80°-90°	1240.9	11.3
90°-100°	1170.2	10.6
100°-110°	1047.1	9.5
110°-120°	880.4	8.0
120°-130°	675.3	6.1
130°-140°	462.1	4.2
140°-150°	281.9	2.6
150°-160°	154.1	1.4
160°-170°	74.7	0.7
170°-180°	22.2	0.2
0°-90°	6228.0	56.6
0°-180°	10996.1	100.0

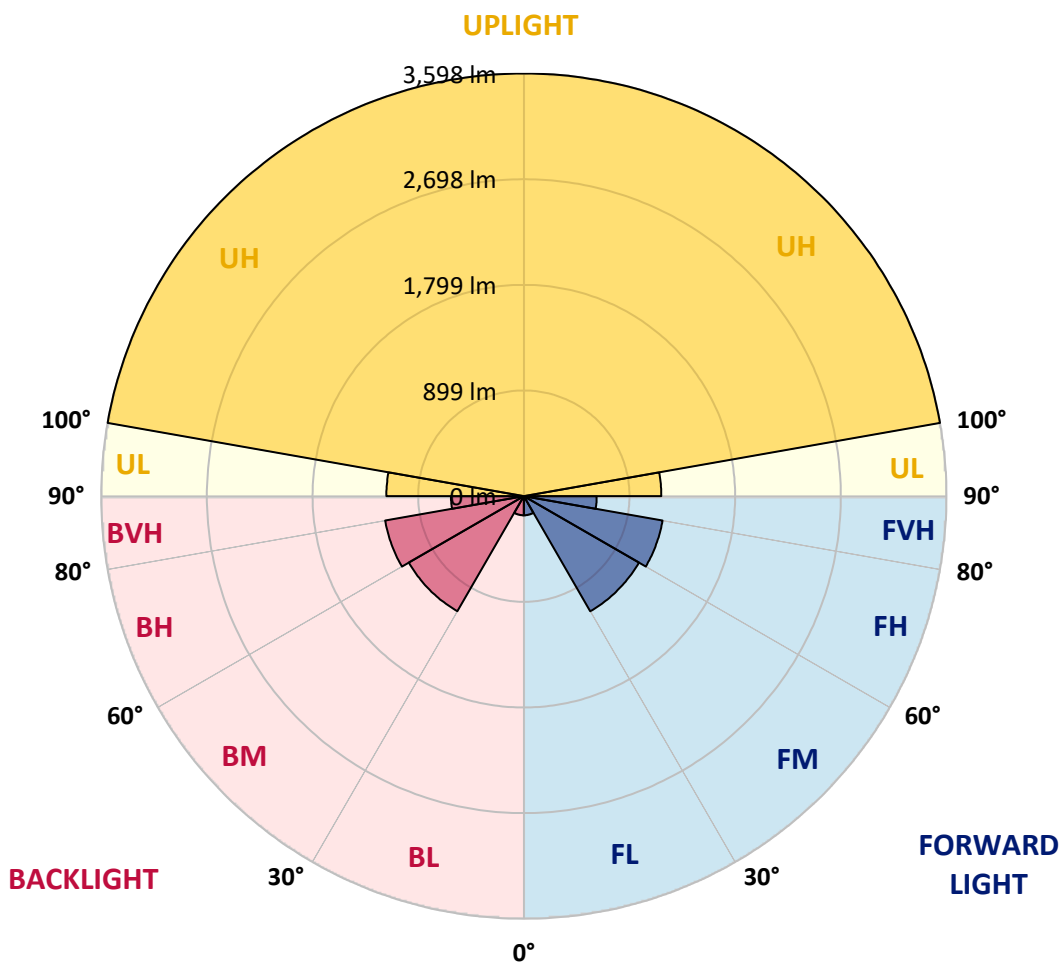


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.3	1.5			
FM (30°-60°)	1131.3	10.3			
FH (60°-80°)	1199.0	10.9			G1/1800
FVH (80°-90°)	620.4	5.6			G4/750
BL (0°-30°)	163.3	1.5	B1/500		
BM (30°-60°)	1131.3	10.3	B2/2500		
BH (60°-80°)	1199.0	10.9	B3/2500		G1/1800
BVH (80°-90°)	620.4	5.6			G4/750
UL (90°-100°)	1170.2	10.6		U5	
UH (100°-180°)	3597.9	32.7		U5	

BUG Rating: B3-U5-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
2.5°	100.8	100.8	100.1	100.1	99.4	98.7	98.7	98.7	98.0	98.0	97.3
5°	114.9	114.2	114.2	113.5	114.2	113.5	113.5	113.5	113.5	112.1	112.1
7.5°	142.4	141.7	141.7	140.9	142.4	140.9	140.9	141.7	141.7	140.9	140.9
10°	178.3	177.6	177.6	176.2	177.6	176.9	176.9	175.5	176.2	175.5	176.2
12.5°	221.3	219.2	219.2	218.5	219.9	219.2	218.5	217.1	218.5	217.8	217.8
15°	265.7	266.4	265.7	265.0	266.4	266.4	265.7	264.3	265.7	264.3	265.0
17.5°	315.0	315.0	315.0	312.9	315.0	315.7	315.0	313.6	314.3	315.0	315.0
20°	368.6	368.6	369.3	367.9	371.4	369.3	368.6	367.9	368.6	369.3	370.0
22.5°	427.8	427.8	428.5	427.8	429.9	429.9	429.2	429.2	429.9	431.3	431.3
25°	493.3	494.0	494.0	491.9	496.8	498.2	496.8	496.8	498.2	500.4	500.4
27.5°	561.0	563.8	562.4	562.4	568.7	569.4	568.7	569.4	571.5	573.6	574.4
30°	630.7	632.8	635.7	633.5	640.6	641.3	642.0	642.7	645.5	649.1	649.1
32.5°	700.5	702.6	704.0	704.0	713.2	712.5	711.8	714.6	718.8	720.2	722.3
35°	770.3	770.3	771.7	772.4	781.5	780.8	782.2	784.4	788.6	791.4	792.8
37.5°	833.0	831.6	835.1	836.5	843.6	844.3	845.0	848.5	853.4	856.9	858.4
40°	890.1	888.7	892.9	895.0	901.3	901.3	902.8	907.0	912.6	916.1	916.8
42.5°	940.8	940.1	944.3	947.2	953.5	952.8	952.1	957.7	964.1	968.3	969.7
45°	984.5	983.8	989.4	993.0	997.9	996.5	996.5	1001.4	1008.5	1013.4	1014.1
47.5°	1021.9	1021.9	1028.2	1032.4	1036.7	1034.5	1033.1	1038.1	1045.1	1052.2	1052.9
50°	1055.0	1054.3	1061.3	1066.3	1069.8	1067.0	1064.8	1069.8	1077.5	1084.6	1086.0
52.5°	1081.1	1082.5	1089.5	1095.8	1098.7	1094.4	1090.9	1095.8	1104.3	1112.1	1113.5
55°	1103.6	1104.3	1112.1	1119.8	1121.2	1115.6	1111.4	1115.6	1124.7	1133.2	1134.6
57.5°	1121.2	1122.6	1131.8	1138.8	1139.5	1133.2	1128.3	1131.8	1141.7	1150.1	1152.2
60°	1136.7	1138.1	1146.6	1154.3	1155.0	1147.3	1141.0	1143.8	1154.3	1164.2	1165.6
62.5°	1148.7	1150.8	1160.0	1167.0	1167.0	1157.9	1150.1	1152.9	1164.2	1174.8	1176.2
65°	1158.6	1160.7	1169.8	1176.9	1176.2	1165.6	1157.2	1160.0	1172.0	1182.5	1184.6
67.5°	1165.6	1167.0	1176.9	1183.9	1181.1	1169.8	1161.4	1163.5	1176.2	1186.8	1188.9
70°	1169.8	1171.3	1181.1	1187.5	1183.2	1171.3	1162.1	1164.9	1177.6	1188.9	1191.0
72.5°	1172.0	1174.1	1183.2	1188.9	1183.9	1170.6	1160.7	1164.2	1176.9	1188.9	1190.3
75°	1171.3	1172.7	1181.8	1186.8	1180.4	1167.7	1157.2	1160.7	1174.1	1184.6	1186.8
77.5°	1167.7	1169.1	1177.6	1181.8	1174.1	1161.4	1151.5	1155.0	1167.7	1178.3	1180.4
80°	1162.1	1163.5	1171.3	1174.1	1166.3	1153.6	1144.5	1148.0	1160.0	1169.8	1172.0
82.5°	1152.9	1155.0	1162.1	1163.5	1155.0	1143.8	1134.6	1138.1	1149.4	1158.6	1160.0
85°	1141.7	1143.1	1149.4	1150.1	1141.7	1131.8	1124.0	1127.6	1137.4	1144.5	1146.6
87.5°	1129.0	1129.0	1135.3	1135.3	1126.2	1117.0	1111.4	1114.2	1123.3	1129.0	1131.1
90°	1113.5	1114.2	1118.4	1117.7	1109.2	1101.5	1096.6	1100.1	1107.8	1112.8	1114.2
92.5°	1096.6	1097.3	1100.8	1099.4	1090.9	1084.6	1080.3	1084.6	1091.6	1095.1	1096.6
95°	1078.2	1078.9	1081.8	1078.9	1071.2	1066.3	1062.7	1067.7	1073.3	1076.8	1078.2
97.5°	1059.2	1059.9	1062.0	1059.2	1050.7	1046.5	1045.1	1049.3	1055.0	1057.8	1059.2
100°	1039.5	1039.5	1040.9	1036.7	1029.6	1026.1	1025.4	1030.3	1035.9	1038.8	1040.2
102.5°	1017.6	1018.3	1018.3	1014.1	1007.1	1004.9	1004.9	1010.6	1016.2	1018.3	1019.7
105°	995.1	995.1	995.1	991.6	983.8	982.4	983.1	988.7	995.1	997.9	999.3
107.5°	970.4	971.1	969.7	966.2	959.8	958.4	959.8	967.6	973.2	976.0	977.5
110°	944.3	945.0	944.3	940.1	934.5	933.8	935.9	943.6	949.3	952.1	954.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	916.8	917.6	916.8	913.3	907.7	907.7	910.5	918.3	924.6	926.7	928.8
115°	888.0	888.7	887.3	884.4	878.8	880.2	883.0	890.8	897.1	899.2	902.0
117.5°	856.9	857.7	856.9	853.4	848.5	849.9	854.1	861.9	867.5	869.6	872.5
120°	823.1	823.1	823.1	819.6	814.7	817.5	821.7	830.2	835.1	836.5	839.3
122.5°	788.6	787.2	787.2	785.1	779.4	783.0	787.2	795.6	800.6	801.3	803.4
125°	750.5	751.2	749.1	747.7	742.8	747.0	750.5	759.0	763.2	763.9	766.0
127.5°	709.7	711.8	709.7	707.5	704.0	708.3	712.5	720.2	723.8	724.5	725.9
130°	671.6	671.6	669.5	668.1	664.6	668.8	673.0	680.1	683.6	683.6	685.0
132.5°	633.5	631.4	630.7	629.3	625.1	630.0	632.8	639.9	642.7	642.0	643.4
135°	592.0	592.0	589.9	589.2	585.6	590.6	593.4	599.7	601.8	601.1	602.5
137.5°	553.2	553.2	551.8	550.4	548.3	552.5	555.3	560.3	562.4	560.3	562.4
140°	515.2	515.2	514.5	513.0	510.9	515.2	517.3	521.5	523.6	521.5	522.9
142.5°	479.9	478.5	477.8	477.1	474.3	478.5	479.9	484.1	484.9	483.4	485.6
145°	442.6	443.3	442.6	441.9	439.7	443.3	444.7	448.2	448.9	447.5	449.6
147.5°	411.6	409.4	410.2	409.4	407.3	410.9	411.6	413.7	415.1	413.7	415.1
150°	380.6	379.1	379.1	378.4	377.0	379.8	380.6	382.7	383.4	382.0	383.4
152.5°	353.1	352.4	352.4	351.7	350.2	352.4	353.1	354.5	355.2	353.8	354.5
155°	328.4	327.7	327.7	327.0	325.6	327.7	327.7	329.1	329.8	329.1	329.8
157.5°	306.6	305.9	305.9	305.9	304.4	305.9	305.9	307.3	307.3	306.6	307.3
160°	288.9	287.5	288.2	287.5	286.1	287.5	287.5	288.2	288.2	288.2	288.2
162.5°	272.7	272.7	272.7	272.0	271.3	272.0	272.0	272.7	272.7	272.7	272.0
165°	260.0	260.0	260.0	259.3	258.6	259.3	259.3	259.3	259.3	259.3	259.3
167.5°	249.5	248.8	249.5	248.8	248.1	248.8	248.8	248.8	248.8	248.8	248.8
170°	240.3	240.3	240.3	240.3	239.6	240.3	240.3	240.3	240.3	240.3	240.3
172.5°	234.7	234.0	234.0	234.0	233.3	234.0	233.3	234.0	233.3	234.0	233.3
175°	229.7	229.7	229.7	229.7	229.0	229.0	229.0	229.0	229.0	229.0	229.0
177.5°	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9	226.9
180°	226.2	226.2	226.2	226.2	226.2	226.2	226.2	226.2	226.2	226.2	226.2

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

REPORT NUMBER: SP1-2406-133-2

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			

REPORT NUMBER: SP1-2406-133-2

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

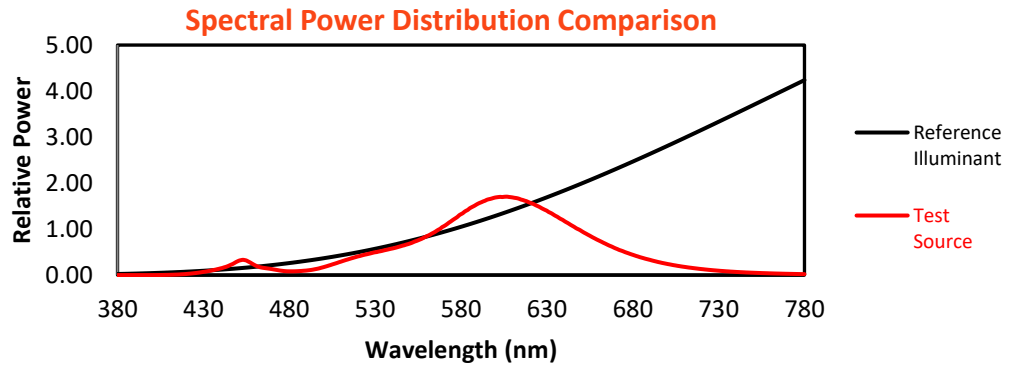
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	58	NR	620	925	NR	750	30	NR	880	1	NR
365	0	NR	495	75	NR	625	877	NR	755	26	NR	885	1	NR
370	0	NR	500	101	NR	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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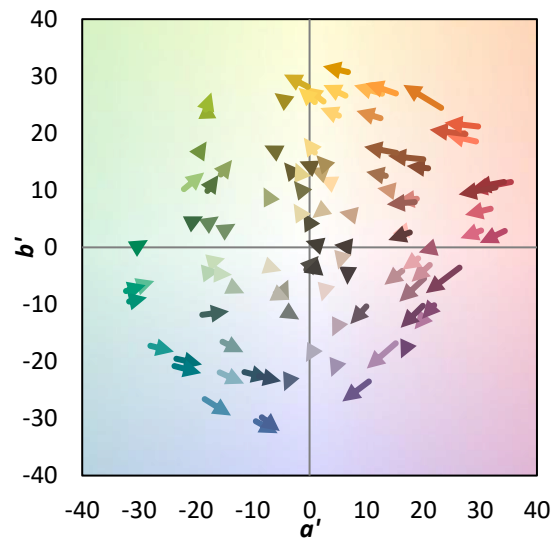
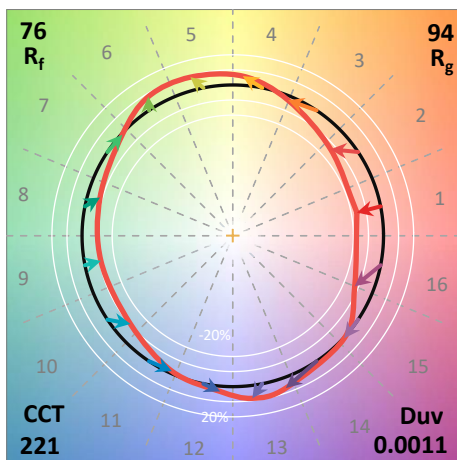
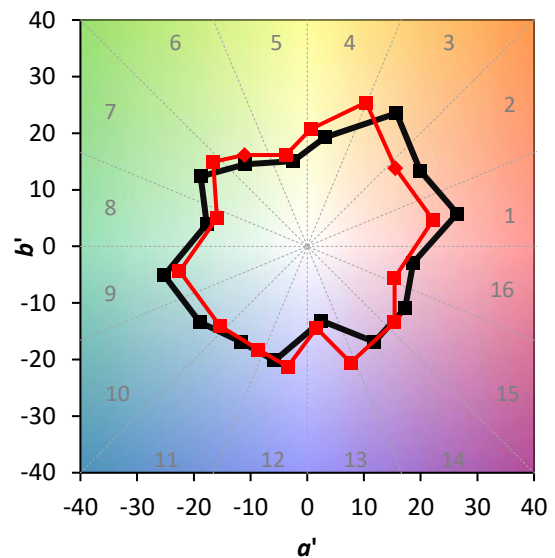
TM-30-18

Summary

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



Color Vector Graphics

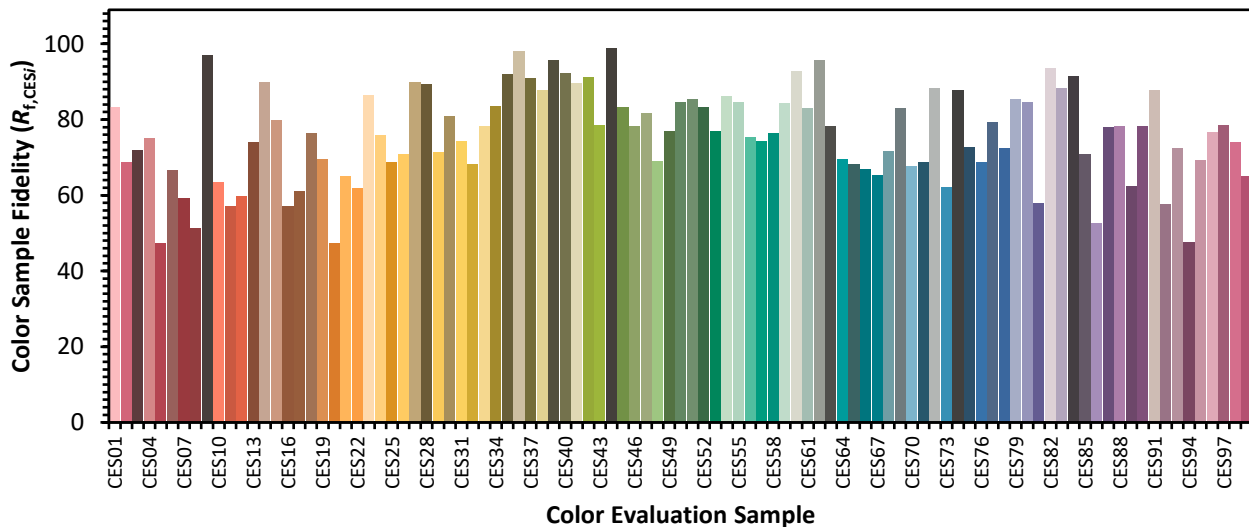


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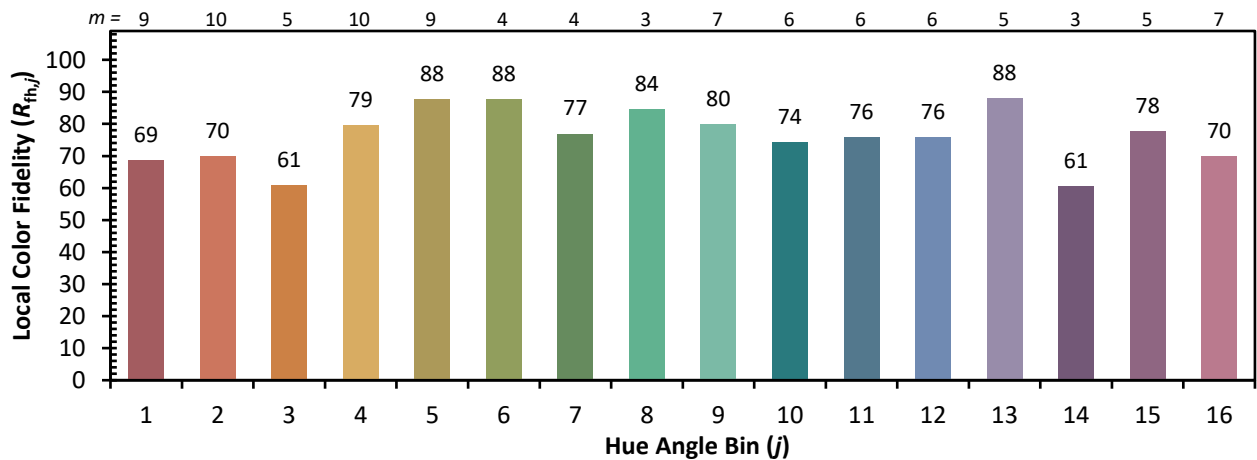
TM-30-18

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)