

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: P856276

Luminaire Tested: **FFX-CLB-60-750-U-PG**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856276
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-60-750-U-PG
Description: FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

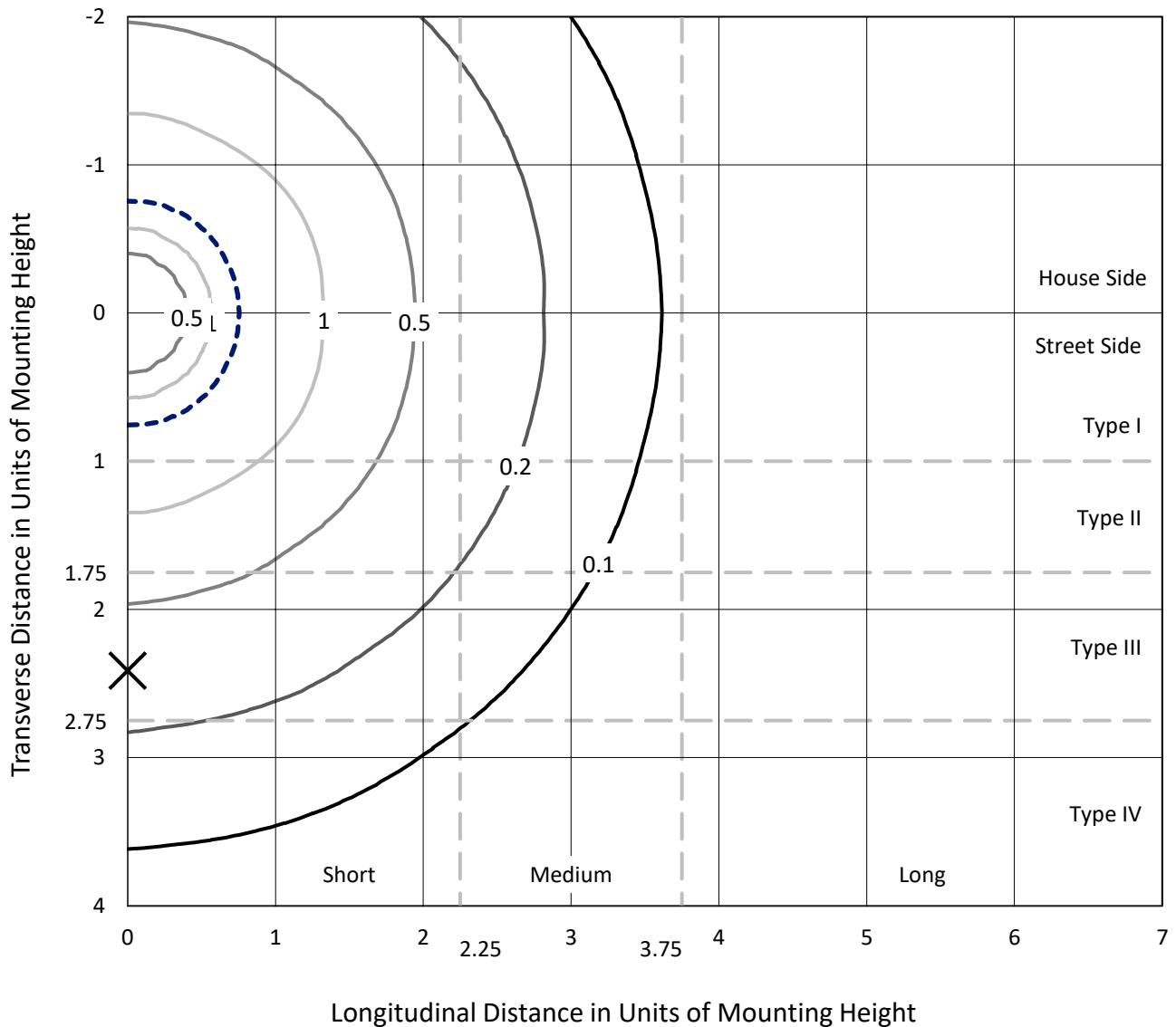
Lumens per Lamp: N/A
Luminaire Lumens: 9642.3 lumens
Efficiency: N/A
Efficacy: 161.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 1.5')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 8.9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P856276
 CATALOG NUMBER: FFX-CLB-60-750-U-PG

Iso-Footcandle Lines of Horizontal Illumination

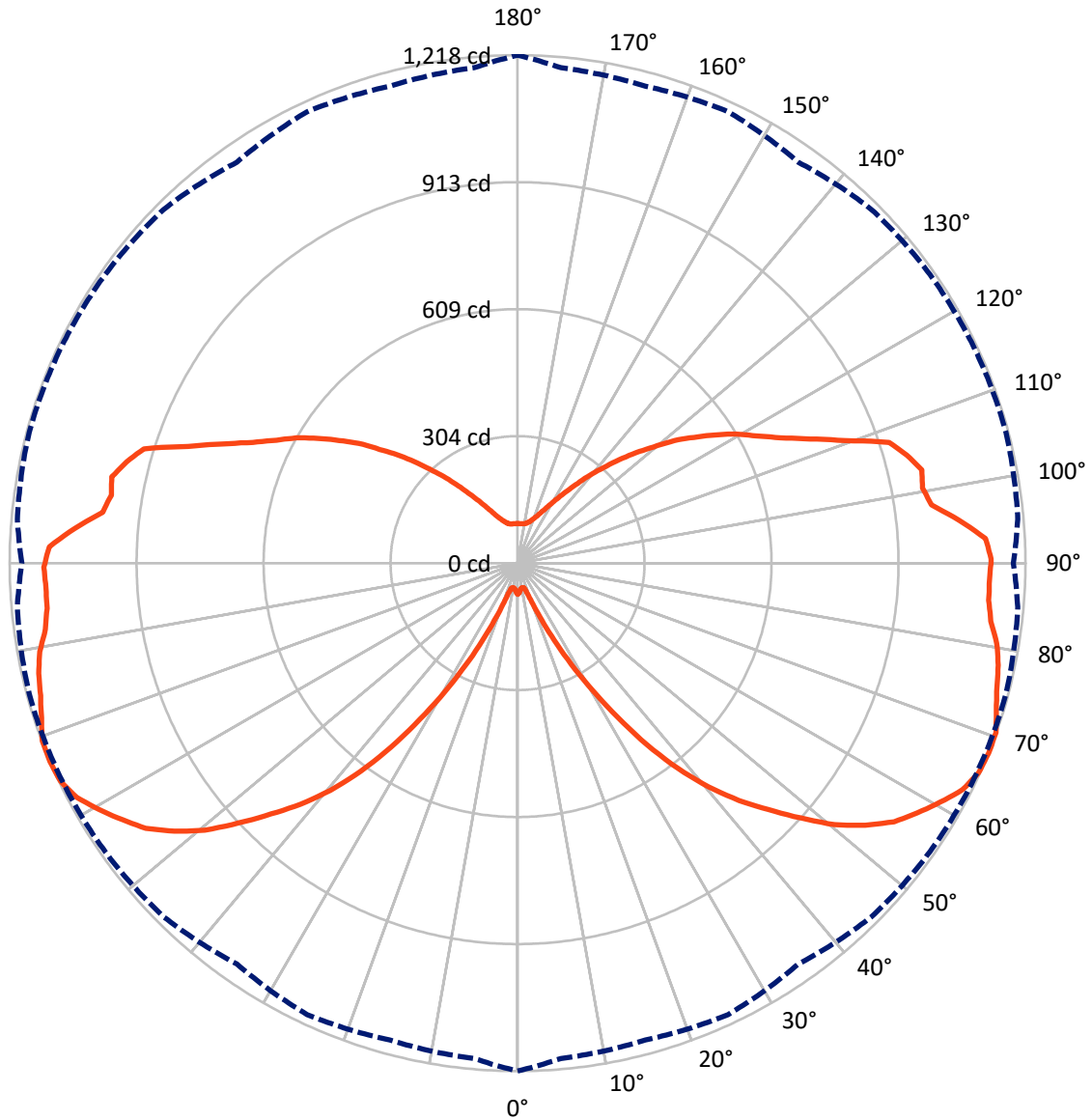
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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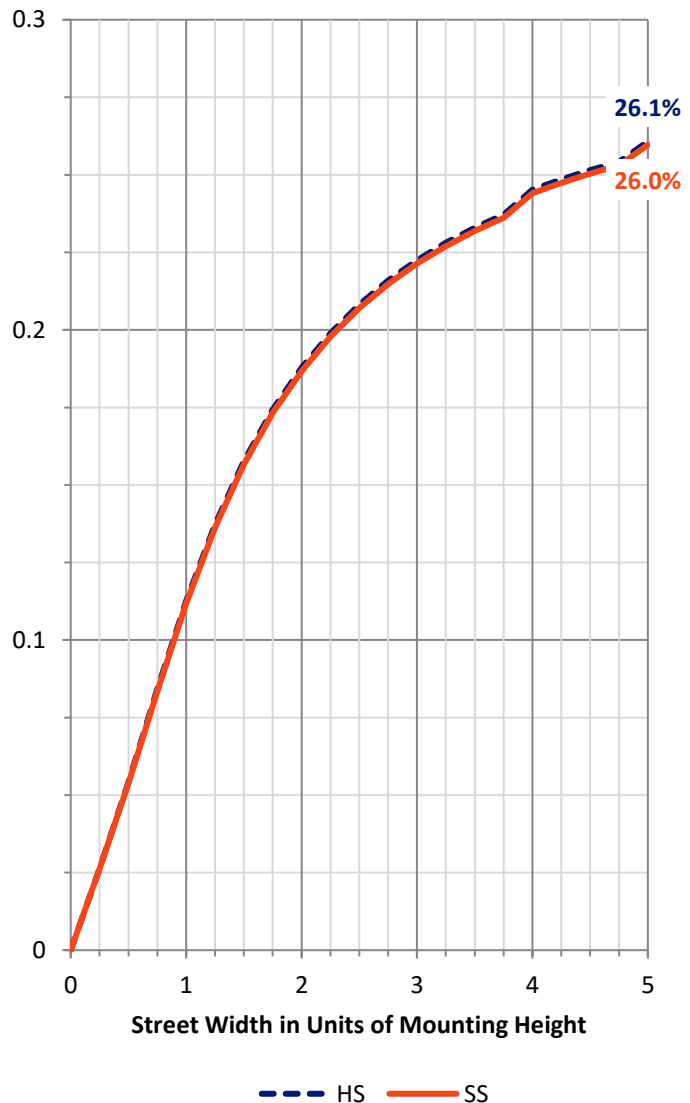
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2876.5	1944.6	4821.1
	% Fixture	29.8	20.2	50.0
Street Side	Lumens	2876.5	1944.6	4821.1
	% Fixture	29.8	20.2	50.0
Total	Lumens	5753.0	3889.3	9642.3
	% Fixture	59.7	40.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	20.6	0.2
20°-30°	103.0	1.1
30°-40°	338.4	3.5
40°-50°	654.4	6.8
50°-60°	968.4	10.0
60°-70°	1177.3	12.2
70°-80°	1242.9	12.9
80°-90°	1241.9	12.9
90°-100°	1161.8	12.0
100°-110°	1033.5	10.7
110°-120°	706.9	7.3
120°-130°	474.8	4.9
130°-140°	275.7	2.9
140°-150°	135.8	1.4
150°-160°	62.7	0.7
160°-170°	29.0	0.3
170°-180°	9.1	0.1
0°-90°	5753.0	59.7
0°-180°	9642.3	100.0

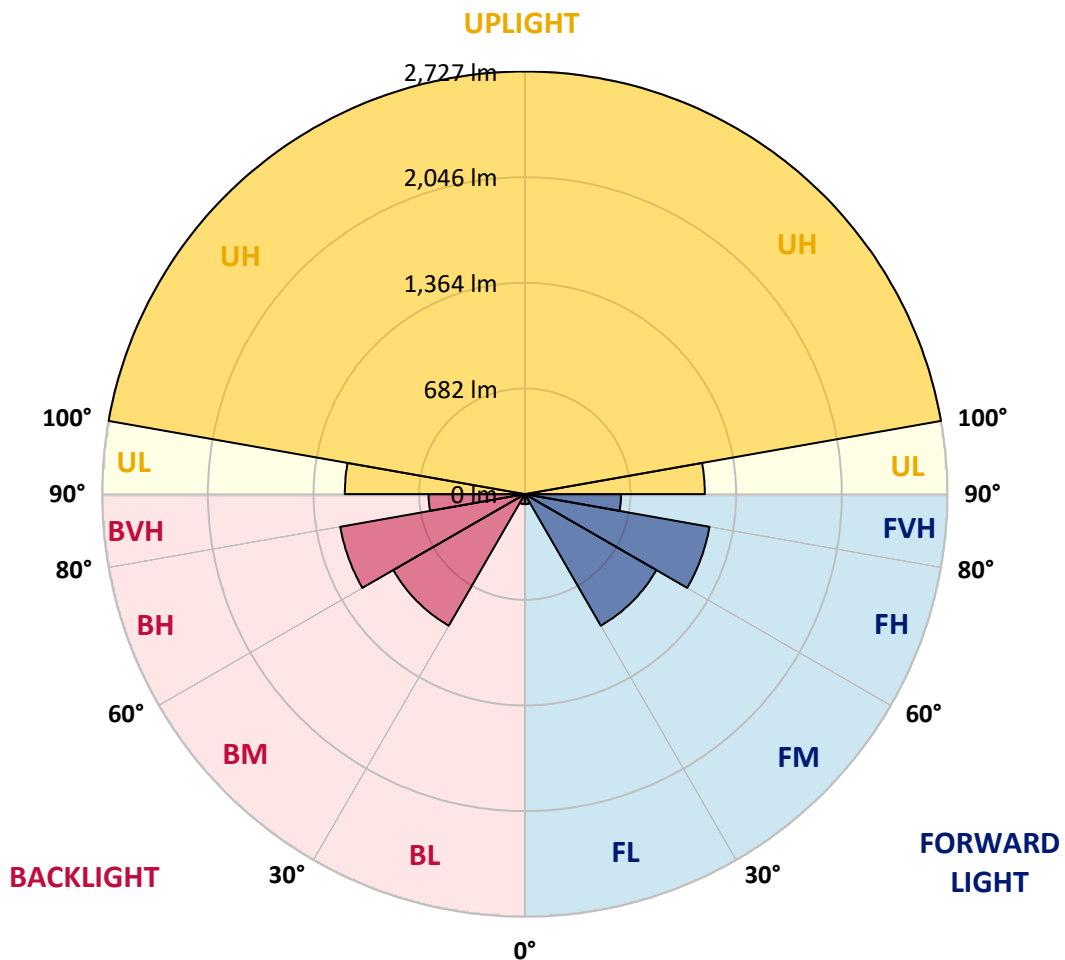


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	64.9	0.7			
FM (30°-60°)	980.6	10.2			
FH (60°-80°)	1210.1	12.5			G1/1800
FVH (80°-90°)	621.0	6.4			G4/750
BL (0°-30°)	64.9	0.7	B0/110		
BM (30°-60°)	980.6	10.2	B1/1000		
BH (60°-80°)	1210.1	12.5	B3/2500		G1/1800
BVH (80°-90°)	621.0	6.4			G4/750
UL (90°-100°)	1161.8	12.0		U5	
UH (100°-180°)	2727.5	28.3		U5	

BUG Rating: B3-U5-G4
 Type V Short





REPORT NUMBER: P856276

CATALOG NUMBER: FFX-CLB-60-750-U-PG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2.5°	71.8	71.2	70.6	69.9	70.6	71.2	72.4	73.0	73.0	73.0	73.0
5°	65.1	65.7	66.3	66.9	66.9	66.9	66.9	67.5	68.1	68.1	68.1
7.5°	61.4	61.4	62.0	63.9	64.5	63.9	63.9	64.5	62.6	60.8	60.2
10°	59.6	59.6	60.2	60.8	61.4	62.6	63.3	63.3	63.3	63.3	62.6
12.5°	60.2	59.6	60.2	60.8	62.0	62.6	61.4	61.4	62.6	63.9	64.5
15°	63.3	62.6	62.6	63.9	64.5	64.5	63.3	63.3	63.9	65.1	65.1
17.5°	76.6	75.4	74.8	75.4	74.8	75.4	74.8	76.0	76.0	75.4	74.8
20°	104.6	103.4	101.6	101.0	101.6	103.4	104.0	105.8	104.0	103.4	101.0
22.5°	148.4	146.6	145.4	145.4	147.2	148.4	147.8	150.2	149.0	148.4	146.0
25°	204.4	203.1	203.8	206.8	209.8	208.0	203.1	206.8	206.8	206.2	205.6
27.5°	274.3	270.1	271.9	279.8	282.2	277.4	271.9	276.1	278.0	278.6	278.6
30°	354.0	350.9	350.3	358.9	361.9	357.6	354.0	358.9	358.9	360.7	360.7
32.5°	440.4	438.5	435.5	440.4	445.2	444.0	444.0	447.7	446.4	448.3	448.9
35°	535.2	531.6	525.5	526.1	531.6	532.2	536.5	538.9	537.7	537.1	537.1
37.5°	624.7	619.8	614.3	611.3	618.0	617.4	627.1	627.1	624.7	625.3	625.3
40°	705.5	702.5	698.2	689.7	702.5	700.1	711.6	711.6	704.9	706.8	705.5
42.5°	777.9	777.9	773.1	760.3	773.7	771.2	786.4	786.4	777.3	776.7	774.9
45°	843.0	846.0	843.6	832.1	836.9	838.7	853.3	850.3	843.0	843.0	840.0
47.5°	913.0	916.0	907.5	895.3	900.8	903.8	917.2	916.0	911.7	906.3	906.3
50°	985.9	986.5	969.5	954.9	959.8	975.6	985.3	987.8	978.6	965.9	965.3
52.5°	1043.7	1047.4	1030.9	1015.1	1018.8	1037.0	1048.0	1048.6	1037.0	1018.8	1024.3
55°	1094.8	1098.5	1082.0	1068.0	1075.3	1085.1	1097.9	1090.6	1091.2	1071.7	1080.8
57.5°	1129.5	1141.6	1114.3	1111.2	1117.9	1129.5	1135.0	1133.1	1136.8	1118.5	1121.6
60°	1164.1	1169.6	1146.5	1150.8	1142.9	1163.5	1167.8	1172.1	1162.3	1149.6	1149.6
62.5°	1197.0	1183.6	1167.2	1177.5	1156.2	1182.4	1187.3	1192.1	1181.8	1169.6	1172.1
65°	1214.0	1189.7	1175.7	1188.5	1167.8	1191.5	1199.4	1201.3	1199.4	1187.9	1182.4
67.5°	1217.7	1192.1	1183.6	1194.0	1173.3	1199.4	1206.7	1210.4	1212.2	1203.7	1188.5
70°	1216.5	1189.1	1181.8	1191.5	1178.1	1202.5	1203.1	1208.6	1211.0	1214.6	1197.6
72.5°	1200.0	1176.3	1174.5	1183.0	1170.8	1186.7	1187.3	1194.0	1190.3	1201.9	1193.3
75°	1186.7	1170.8	1173.9	1172.1	1159.9	1169.0	1171.4	1179.4	1166.0	1176.9	1184.2
77.5°	1178.1	1169.6	1176.9	1167.2	1154.4	1160.5	1164.1	1173.3	1153.2	1162.3	1183.6
80°	1164.8	1162.3	1171.4	1156.9	1145.9	1151.4	1157.5	1165.4	1143.5	1149.6	1180.0
82.5°	1142.9	1144.7	1153.2	1136.2	1128.9	1135.0	1142.3	1154.4	1131.9	1135.6	1167.8
85°	1133.1	1141.0	1145.3	1128.3	1119.7	1123.4	1131.3	1144.1	1120.4	1125.8	1158.7
87.5°	1131.9	1141.6	1144.7	1130.1	1122.8	1128.3	1131.9	1150.2	1124.6	1131.3	1164.8
90°	1135.6	1139.2	1141.0	1128.3	1122.2	1130.7	1131.3	1153.8	1128.3	1130.1	1159.9
92.5°	1123.4	1124.0	1127.7	1116.1	1115.5	1121.6	1120.4	1139.2	1111.2	1107.0	1132.5
95°	1064.4	1059.5	1067.4	1061.4	1074.1	1083.3	1093.6	1117.3	1103.3	1107.0	1128.9
97.5°	1001.8	1003.0	1005.4	995.7	993.8	997.5	1001.8	1013.9	1009.7	1013.3	1034.0
100°	987.2	991.4	990.8	985.9	965.9	961.6	952.5	939.7	922.7	925.1	928.2
102.5°	994.5	1006.0	1007.8	1014.5	1014.5	1011.5	1018.2	1012.7	1015.7	1033.4	1023.6
105°	968.3	981.7	990.2	997.5	1011.5	1023.0	1054.1	1072.9	1088.1	1109.4	1106.4
107.5°	936.7	943.4	949.4	949.4	945.8	944.0	961.0	964.0	959.8	965.3	965.9
110°	838.1	837.5	843.6	841.2	843.0	833.3	838.1	854.6	850.9	861.9	863.7



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 CATALOG NUMBER: FFX-CLB-60-750-U-PG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	761.5	761.5	765.8	759.7	760.3	752.4	755.4	766.4	767.0	776.1	781.0
115°	697.0	695.8	701.9	697.0	691.6	689.7	692.8	699.5	701.3	707.4	717.1
117.5°	649.0	642.9	647.8	648.4	650.8	645.9	653.2	657.5	659.9	664.8	672.7
120°	609.4	603.4	605.2	611.3	618.6	608.2	616.1	619.8	621.6	623.4	627.1
122.5°	564.4	560.2	558.4	570.5	574.8	565.7	569.9	575.4	578.4	581.5	584.5
125°	518.8	515.2	513.3	524.3	528.6	521.3	527.3	535.2	534.0	540.7	534.6
127.5°	477.5	476.2	473.8	479.3	482.3	481.7	487.2	496.9	492.7	498.7	492.1
130°	428.2	433.1	429.4	436.1	436.7	441.6	443.4	452.5	448.3	449.5	445.2
132.5°	388.0	389.9	388.0	390.5	392.3	392.3	397.2	406.9	400.2	399.6	396.0
135°	347.3	347.9	345.5	349.1	350.3	347.3	352.2	359.5	355.8	354.0	354.0
137.5°	307.2	306.5	307.2	308.4	309.6	309.0	311.4	316.9	315.7	313.2	316.3
140°	273.1	271.3	271.9	272.5	271.9	271.9	274.3	279.2	279.2	276.1	279.2
142.5°	239.0	238.4	238.4	238.4	238.4	239.6	242.1	243.3	244.5	242.1	241.5
145°	210.4	209.8	209.2	209.2	209.2	209.8	212.3	211.7	214.1	211.7	209.8
147.5°	184.9	185.5	184.3	183.7	183.1	184.9	185.5	186.7	187.9	186.7	184.9
150°	164.2	163.6	163.6	162.4	162.4	164.2	163.6	164.8	166.0	165.4	164.8
152.5°	146.0	146.0	146.0	144.8	145.4	146.6	146.6	146.6	147.8	147.8	147.2
155°	131.4	131.4	131.4	130.8	130.8	132.0	132.0	132.0	132.6	132.6	132.6
157.5°	120.4	120.4	119.8	119.8	119.8	120.4	119.8	119.8	120.4	120.4	120.4
160°	111.9	111.9	111.3	111.3	110.7	111.3	110.7	110.7	111.3	111.3	111.3
162.5°	105.2	105.2	104.6	104.6	104.6	104.6	104.6	104.0	104.0	104.6	104.0
165°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	99.7	99.7	99.7	99.7
167.5°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
170°	95.5	95.5	95.5	96.1	96.1	96.1	95.5	95.5	96.1	96.1	95.5
172.5°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
175°	94.9	94.9	94.9	94.9	94.9	94.9	94.3	94.9	94.9	94.9	94.9
177.5°	94.9	94.3	94.3	94.9	94.9	94.3	94.3	94.3	94.3	94.3	94.3
180°	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2406-133-5

Test Date: 07/12/2024

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5.

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2406-133-5
 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-100-750-U-FR-T5**
 Description: FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K): 4950
 CIE u': 0.2102
 CIE v': 0.4882
 Duv: 0.0025
 CIE x: 0.3471
 CIE y: 0.3583
 CIE z: 0.2946
 Peak Wavelength (nm): 452
 Dominant Wavelength (nm): 571
 Purity: 11.64963
 Rf: 74.8
 Rg: 92.4

CRI (Ra):	73.0		
R1:	69.1	R9:	-35.4
R2:	80.1	R10:	51.9
R3:	87.3	R11:	66.1
R4:	70.6	R12:	40.1
R5:	69.4	R13:	71.5
R6:	71.2	R14:	93.0
R7:	82.5	R15:	62.2
R8:	53.6		



Test Conditions

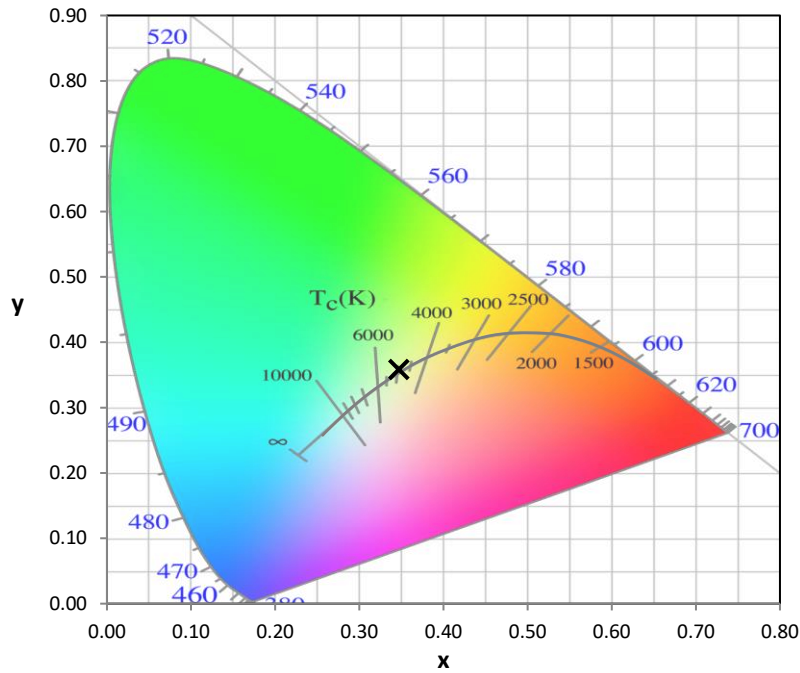
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2406-133-5

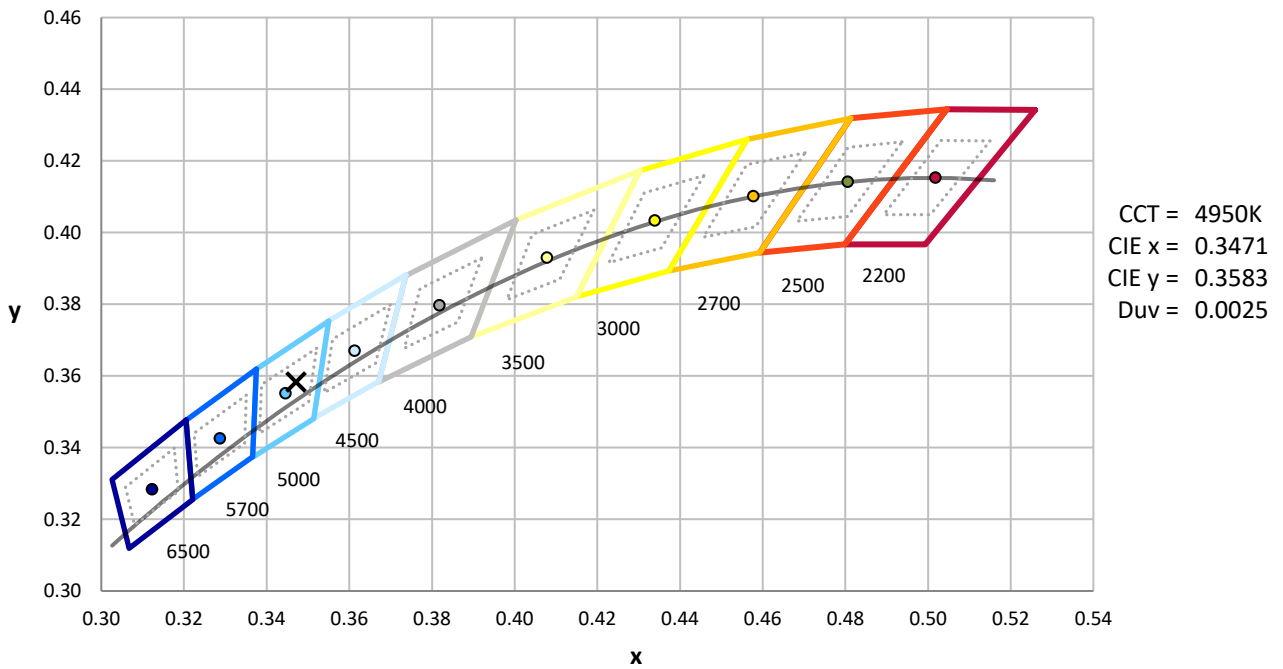
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



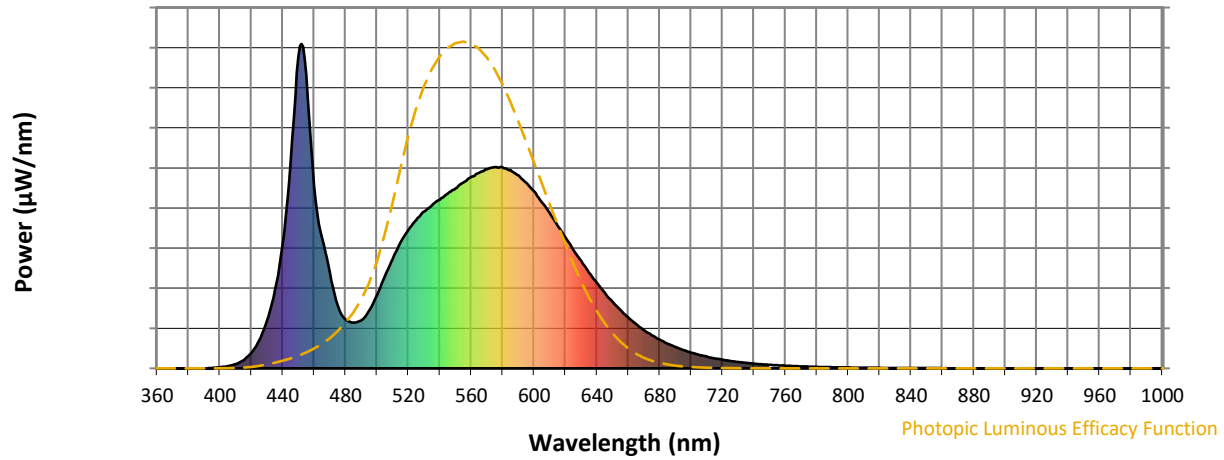
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2406-133-5

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.8

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

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	148	NR	620	403	NR	750	11	NR	880	0	NR
365	0	NR	495	178	NR	625	366	NR	755	9	NR	885	0	NR
370	0	NR	500	226	NR	630	331	NR	760	8	NR	890	0	NR
375	0	NR	505	283	NR	635	295	NR	765	7	NR	895	0	NR
380	0	NR	510	338	NR	640	263	NR	770	6	NR	900	0	NR
385	0	NR	515	387	NR	645	232	NR	775	5	NR	905	0	NR
390	0	NR	520	428	NR	650	205	NR	780	5	NR	910	0	NR
395	1	NR	525	457	NR	655	179	NR	785	4	NR	915	0	NR
400	4	NR	530	484	NR	660	156	NR	790	3	NR	920	0	NR
405	7	NR	535	503	NR	665	136	NR	795	3	NR	925	0	NR
410	13	NR	540	520	NR	670	118	NR	800	3	NR	930	0	NR
415	25	NR	545	538	NR	675	102	NR	805	2	NR	935	0	NR
420	48	NR	550	555	NR	680	89	NR	810	2	NR	940	0	NR
425	87	NR	555	573	NR	685	76	NR	815	2	NR	945	0	NR
430	147	NR	560	590	NR	690	66	NR	820	2	NR	950	0	NR
435	242	NR	565	603	NR	695	56	NR	825	1	NR	955	0	NR
440	384	NR	570	614	NR	700	49	NR	830	1	NR	960	0	NR
445	638	NR	575	621	NR	705	42	NR	835	1	NR	965	0	NR
450	960	NR	580	619	NR	710	36	NR	840	1	NR	970	0	NR
455	902	NR	585	611	NR	715	31	NR	845	1	NR	975	0	NR
460	564	NR	590	594	NR	720	27	NR	850	1	NR	980	0	NR
465	402	NR	595	572	NR	725	23	NR	855	1	NR	985	0	NR
470	293	NR	600	546	NR	730	20	NR	860	1	NR	990	0	NR
475	194	NR	605	511	NR	735	17	NR	865	0	NR	995	0	NR
480	150	NR	610	478	NR	740	14	NR	870	0	NR	1000	0	NR
485	141	NR	615	440	NR	745	13	NR	875	0	NR			

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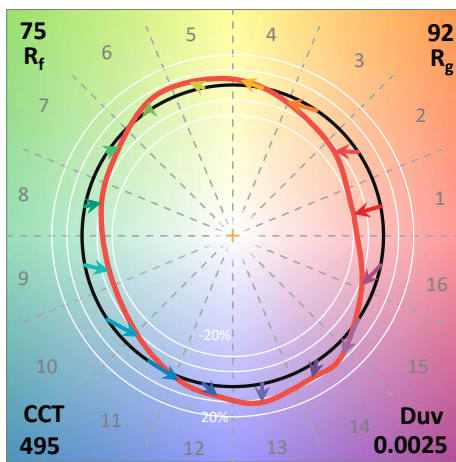
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Summary

$R_f = 74.8$
 $R_g = 92.4$
 CIE $R_a = 73.0$
 $R_9 = -35.4$



Color Vector Graphics



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

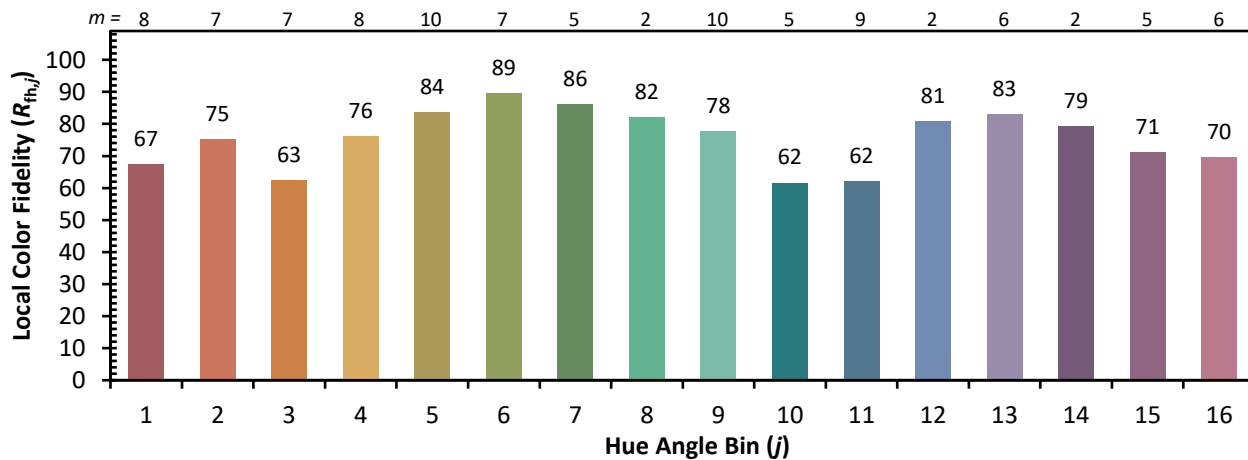
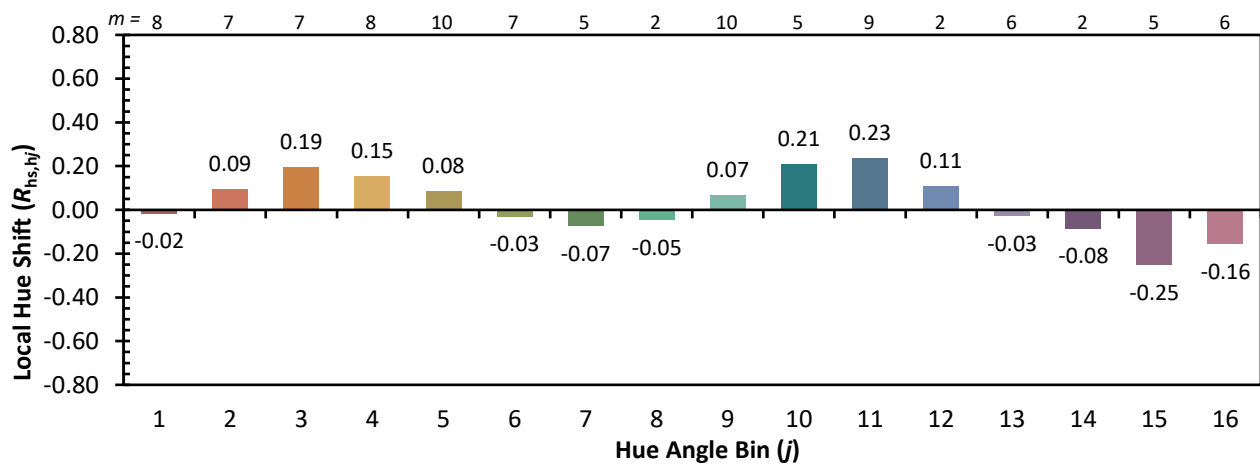
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 91
CES08 = 38	CES33 = 85	CES58 = 74	CES83 = 91
CES09 = 29	CES34 = 72	CES59 = 85	CES84 = 85
CES10 = 73	CES35 = 84	CES60 = 87	CES85 = 77
CES11 = 56	CES36 = 86	CES61 = 81	CES86 = 74
CES12 = 62	CES37 = 80	CES62 = 80	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 74	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 93	CES65 = 62	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 83	CES67 = 54	CES92 = 57
CES18 = 55	CES43 = 81	CES68 = 64	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 53
CES20 = 64	CES45 = 88	CES70 = 57	CES95 = 64
CES21 = 85	CES46 = 86	CES71 = 49	CES96 = 76
CES22 = 77	CES47 = 91	CES72 = 83	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 48	CES98 = 77
CES24 = 90	CES49 = 84	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 52	



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)