

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: P856364

Luminaire Tested: **FFX-CLB-80-750-U-VM8**

Issue Date: 07/16/2024



Test Information

Test Method: LM-79-08
Report Number: P856364
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: FFX-CLB-80-750-U-VM8
Description: FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

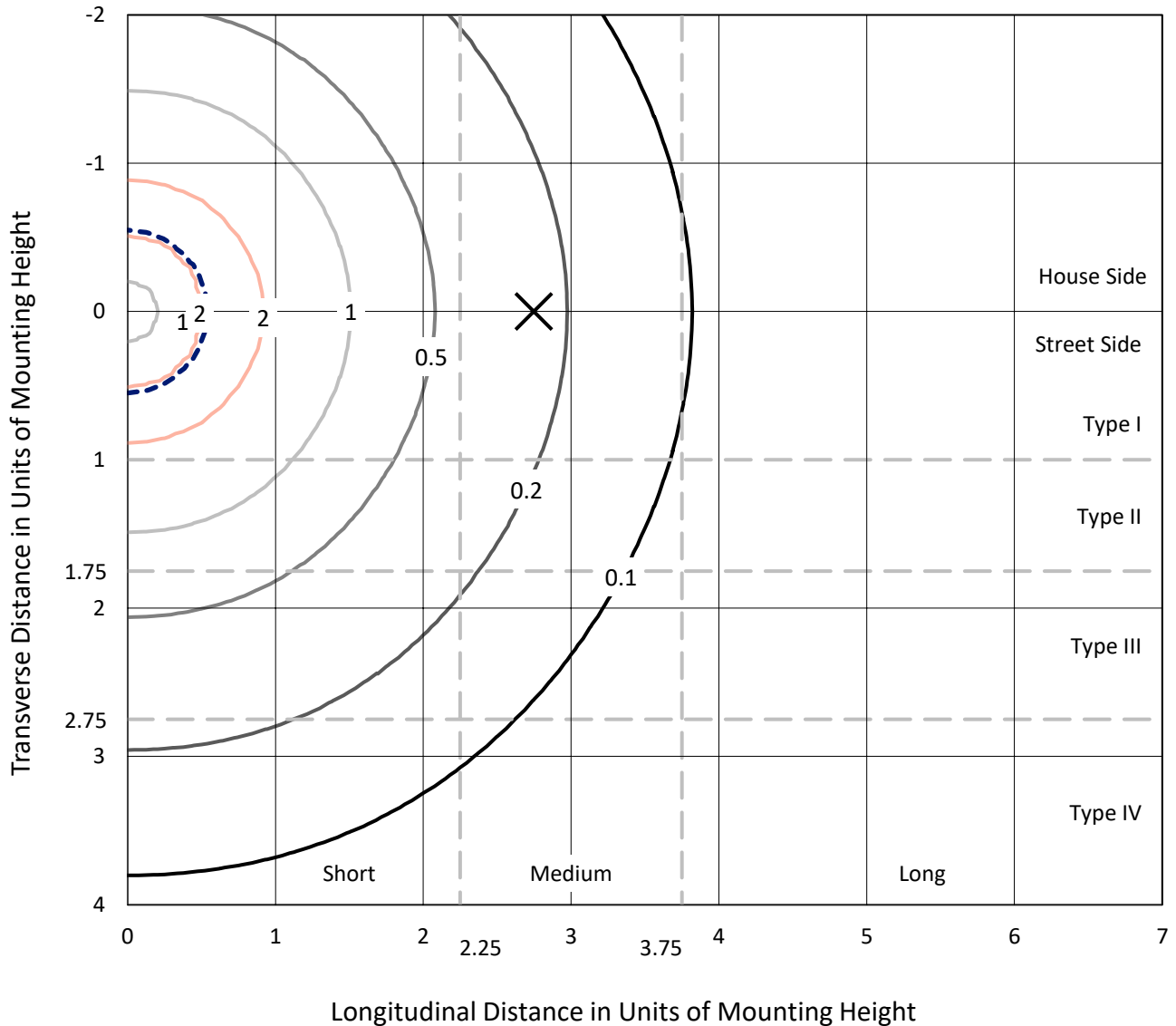
Lumens per Lamp: N/A
Luminaire Lumens: 12824.4 lumens
Efficiency: N/A
Efficacy: 158.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification: Type V - Short
BUG Rating: B3 - U5 - G4

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

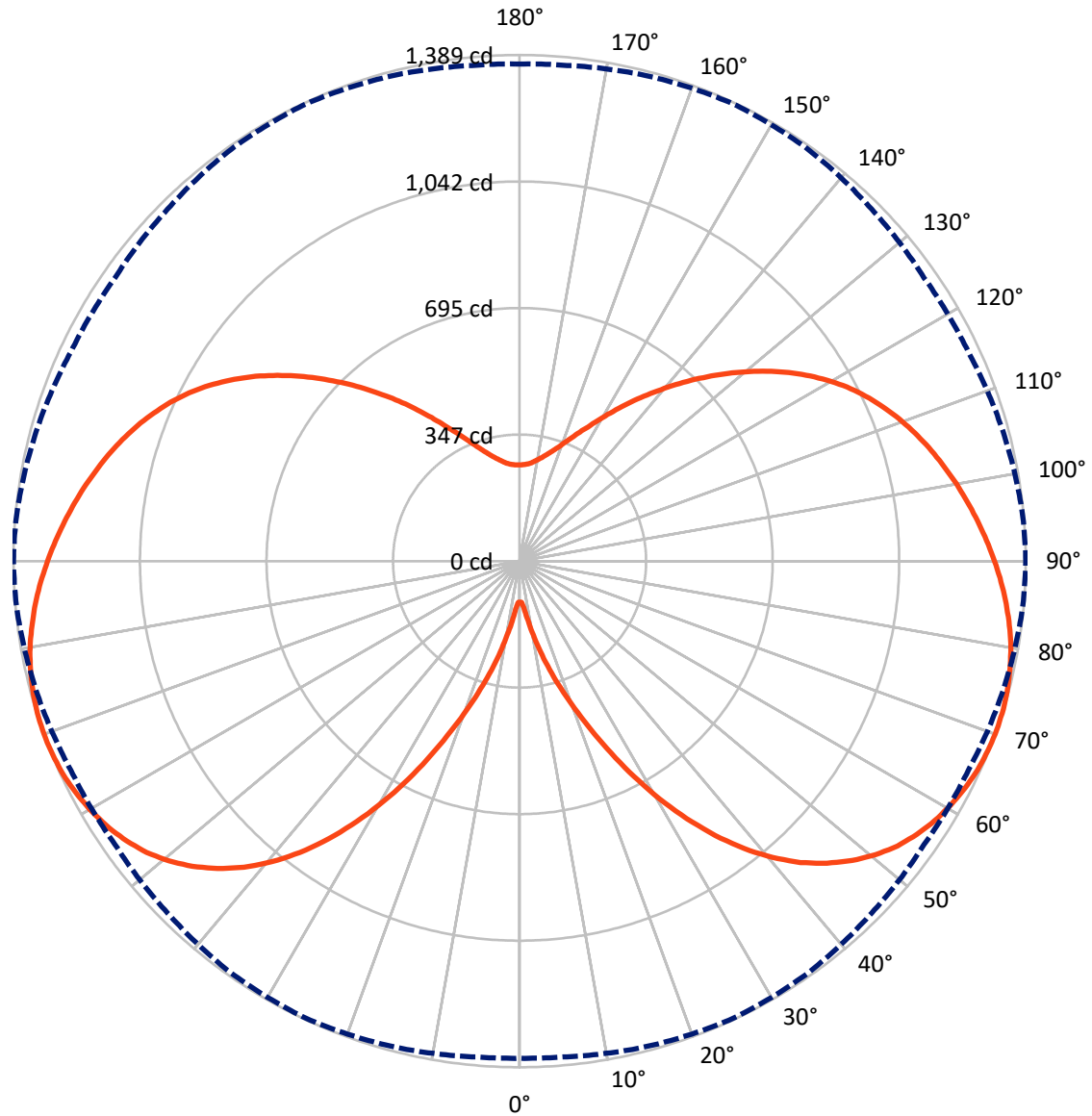
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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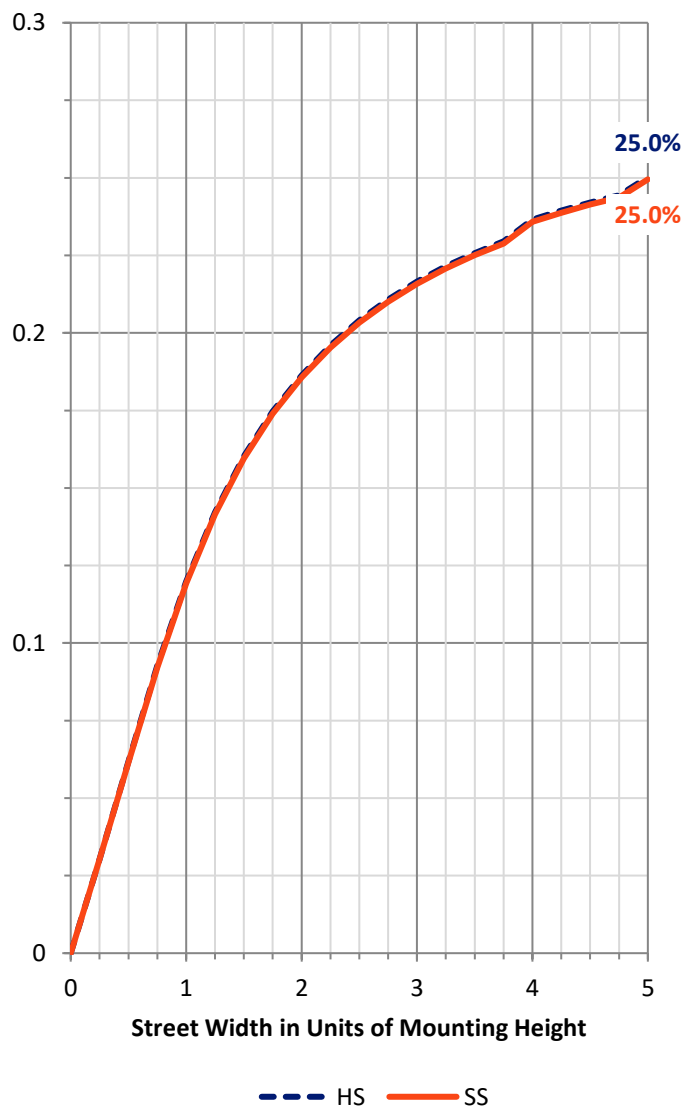
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3631.8	2780.4	6412.2
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	3631.8	2780.4	6412.2
	% Fixture	28.3	21.7	50.0
Total	Lumens	7263.5	5560.9	12824.4
	% Fixture	56.6	43.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.1
10°-20°	91.8	0.7
20°-30°	274.0	2.1
30°-40°	572.8	4.5
40°-50°	899.0	7.0
50°-60°	1166.9	9.1
60°-70°	1350.8	10.5
70°-80°	1446.0	11.3
80°-90°	1447.2	11.3
90°-100°	1364.8	10.6
100°-110°	1221.2	9.5
110°-120°	1026.8	8.0
120°-130°	787.6	6.1
130°-140°	538.9	4.2
140°-150°	328.8	2.6
150°-160°	179.7	1.4
160°-170°	87.1	0.7
170°-180°	25.9	0.2
0°-90°	7263.5	56.6
0°-180°	12824.4	100.0



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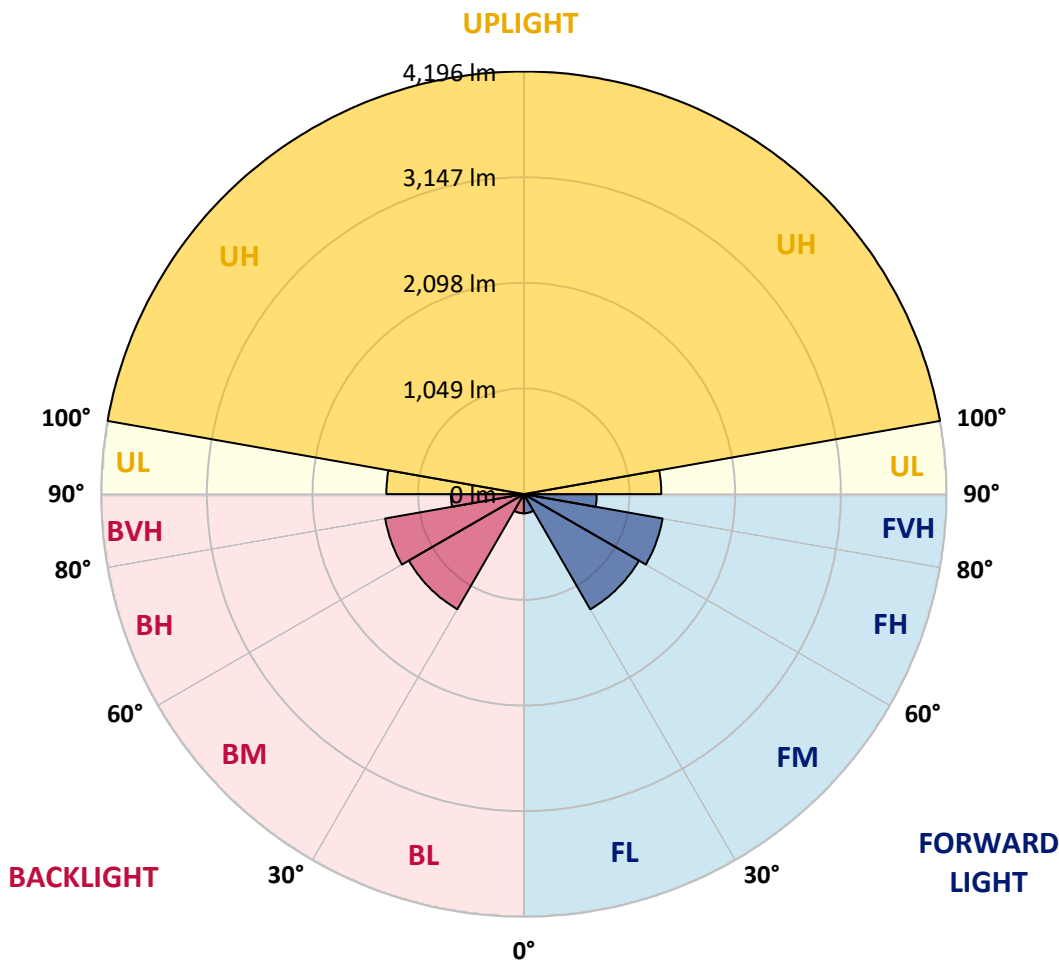
CATALOG NUMBER: FFX-CLB-80-750-U-VM8

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.4	1.5			
FM (30°-60°)	1319.4	10.3			
FH (60°-80°)	1398.4	10.9			G1/1800
FVH (80°-90°)	723.6	5.6			G4/750
BL (0°-30°)	190.4	1.5	B1/500		
BM (30°-60°)	1319.4	10.3	B2/2500		
BH (60°-80°)	1398.4	10.9	B3/2500		G1/1800
BVH (80°-90°)	723.6	5.6			G4/750
UL (90°-100°)	1364.8	10.6		U5	
UH (100°-180°)	4196.1	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°	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
2.5°	117.5	117.5	116.7	116.7	115.9	115.1	115.1	115.1	114.2	114.2	113.4
5°	134.0	133.1	133.1	132.3	133.1	132.3	132.3	132.3	132.3	130.7	130.7
7.5°	166.0	165.2	165.2	164.4	166.0	164.4	164.4	165.2	165.2	164.4	164.4
10°	207.9	207.1	207.1	205.5	207.1	206.3	206.3	204.7	205.5	204.7	205.5
12.5°	258.1	255.6	255.6	254.8	256.4	255.6	254.8	253.1	254.8	254.0	254.0
15°	309.9	310.7	309.9	309.0	310.7	310.7	309.9	308.2	309.9	308.2	309.0
17.5°	367.4	367.4	367.4	364.9	367.4	368.2	367.4	365.7	366.6	367.4	367.4
20°	429.9	429.9	430.7	429.0	433.1	430.7	429.9	429.0	429.9	430.7	431.5
22.5°	498.9	498.9	499.7	498.9	501.4	501.4	500.5	500.5	501.4	503.0	503.0
25°	575.3	576.2	576.2	573.7	579.4	581.1	579.4	579.4	581.1	583.5	583.5
27.5°	654.2	657.5	655.9	655.9	663.3	664.1	663.3	664.1	666.6	669.0	669.8
30°	735.6	738.1	741.4	738.9	747.1	747.9	748.8	749.6	752.9	757.0	757.0
32.5°	817.0	819.4	821.1	821.1	831.8	830.9	830.1	833.4	838.3	840.0	842.4
35°	898.3	898.3	900.0	900.8	911.5	910.7	912.3	914.8	919.7	923.0	924.6
37.5°	971.5	969.8	974.0	975.6	983.8	984.6	985.5	989.6	995.3	999.4	1001.1
40°	1038.1	1036.4	1041.3	1043.8	1051.2	1051.2	1052.9	1057.8	1064.4	1068.5	1069.3
42.5°	1097.2	1096.4	1101.3	1104.6	1112.0	1111.2	1110.4	1117.0	1124.4	1129.3	1130.9
45°	1148.2	1147.4	1153.9	1158.1	1163.8	1162.2	1162.2	1167.9	1176.1	1181.9	1182.7
47.5°	1191.8	1191.8	1199.2	1204.1	1209.0	1206.5	1204.9	1210.7	1218.9	1227.1	1227.9
50°	1230.4	1229.6	1237.8	1243.5	1247.6	1244.4	1241.9	1247.6	1256.7	1264.9	1266.5
52.5°	1260.8	1262.4	1270.7	1278.1	1281.3	1276.4	1272.3	1278.1	1287.9	1297.0	1298.6
55°	1287.1	1287.9	1297.0	1306.0	1307.6	1301.1	1296.1	1301.1	1311.8	1321.6	1323.3
57.5°	1307.6	1309.3	1320.0	1328.2	1329.0	1321.6	1315.9	1320.0	1331.5	1341.3	1343.8
60°	1325.7	1327.4	1337.2	1346.3	1347.1	1338.1	1330.7	1333.9	1346.3	1357.8	1359.4
62.5°	1339.7	1342.2	1352.8	1361.1	1361.1	1350.4	1341.3	1344.6	1357.8	1370.1	1371.8
65°	1351.2	1353.7	1364.4	1372.6	1371.8	1359.4	1349.6	1352.8	1366.8	1379.1	1381.6
67.5°	1359.4	1361.1	1372.6	1380.8	1377.5	1364.4	1354.5	1357.0	1371.8	1384.1	1386.5
70°	1364.4	1366.0	1377.5	1384.9	1380.0	1366.0	1355.3	1358.6	1373.4	1386.5	1389.0
72.5°	1366.8	1369.3	1380.0	1386.5	1380.8	1365.2	1353.7	1357.8	1372.6	1386.5	1388.2
75°	1366.0	1367.6	1378.3	1384.1	1376.7	1361.9	1349.6	1353.7	1369.3	1381.6	1384.1
77.5°	1361.9	1363.5	1373.4	1378.3	1369.3	1354.5	1343.0	1347.1	1361.9	1374.2	1376.7
80°	1355.3	1357.0	1366.0	1369.3	1360.2	1345.5	1334.8	1338.9	1352.8	1364.4	1366.8
82.5°	1344.6	1347.1	1355.3	1357.0	1347.1	1333.9	1323.3	1327.4	1340.5	1351.2	1352.8
85°	1331.5	1333.1	1340.5	1341.3	1331.5	1320.0	1310.9	1315.0	1326.5	1334.8	1337.2
87.5°	1316.7	1316.7	1324.1	1324.1	1313.4	1302.7	1296.1	1299.4	1310.1	1316.7	1319.1
90°	1298.6	1299.4	1304.4	1303.5	1293.7	1284.6	1278.9	1283.0	1292.0	1297.8	1299.4
92.5°	1278.9	1279.7	1283.8	1282.2	1272.3	1264.9	1260.0	1264.9	1273.1	1277.2	1278.9
95°	1257.5	1258.3	1261.6	1258.3	1249.3	1243.5	1239.4	1245.2	1251.8	1255.9	1257.5
97.5°	1235.3	1236.1	1238.6	1235.3	1225.5	1220.5	1218.9	1223.8	1230.4	1233.7	1235.3
100°	1212.3	1212.3	1213.9	1209.0	1200.8	1196.7	1195.9	1201.6	1208.2	1211.5	1213.1
102.5°	1186.8	1187.6	1187.6	1182.7	1174.5	1172.0	1172.0	1178.6	1185.2	1187.6	1189.3
105°	1160.5	1160.5	1160.5	1156.4	1147.4	1145.7	1146.6	1153.1	1160.5	1163.8	1165.5
107.5°	1131.8	1132.6	1130.9	1126.8	1119.4	1117.8	1119.4	1128.5	1135.0	1138.3	1140.0
110°	1101.3	1102.2	1101.3	1096.4	1089.8	1089.0	1091.5	1100.5	1107.1	1110.4	1112.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1069.3	1070.1	1069.3	1065.2	1058.6	1058.6	1061.9	1070.9	1078.3	1080.8	1083.3
115°	1035.6	1036.4	1034.8	1031.5	1024.9	1026.6	1029.8	1038.9	1046.3	1048.7	1052.0
117.5°	999.4	1000.3	999.4	995.3	989.6	991.2	996.1	1005.2	1011.8	1014.2	1017.5
120°	960.0	960.0	960.0	955.9	950.1	953.4	958.3	968.2	974.0	975.6	978.9
122.5°	919.7	918.1	918.1	915.6	909.0	913.1	918.1	927.9	933.7	934.5	937.0
125°	875.3	876.1	873.7	872.0	866.3	871.2	875.3	885.2	890.1	890.9	893.4
127.5°	827.7	830.1	827.7	825.2	821.1	826.0	830.9	840.0	844.1	844.9	846.6
130°	783.3	783.3	780.8	779.2	775.1	780.0	784.9	793.1	797.2	797.2	798.9
132.5°	738.9	736.4	735.6	734.0	729.0	734.8	738.1	746.3	749.6	748.8	750.4
135°	690.4	690.4	687.9	687.1	683.0	688.8	692.0	699.4	701.9	701.1	702.7
137.5°	645.2	645.2	643.5	641.9	639.4	644.4	647.7	653.4	655.9	653.4	655.9
140°	600.8	600.8	600.0	598.3	595.9	600.8	603.3	608.2	610.7	608.2	609.8
142.5°	559.7	558.1	557.2	556.4	553.1	558.1	559.7	564.6	565.5	563.8	566.3
145°	516.2	517.0	516.2	515.3	512.9	517.0	518.6	522.7	523.6	521.9	524.4
147.5°	480.0	477.5	478.3	477.5	475.1	479.2	480.0	482.5	484.1	482.5	484.1
150°	443.8	442.2	442.2	441.4	439.7	443.0	443.8	446.3	447.1	445.5	447.1
152.5°	411.8	410.9	410.9	410.1	408.5	410.9	411.8	413.4	414.2	412.6	413.4
155°	383.0	382.2	382.2	381.4	379.7	382.2	382.2	383.8	384.6	383.8	384.6
157.5°	357.5	356.7	356.7	356.7	355.1	356.7	356.7	358.3	358.3	357.5	358.3
160°	337.0	335.3	336.2	335.3	333.7	335.3	335.3	336.2	336.2	336.2	336.2
162.5°	318.1	318.1	318.1	317.3	316.4	317.3	317.3	318.1	318.1	318.1	317.3
165°	303.3	303.3	303.3	302.5	301.6	302.5	302.5	302.5	302.5	302.5	302.5
167.5°	291.0	290.1	291.0	290.1	289.3	290.1	290.1	290.1	290.1	290.1	290.1
170°	280.3	280.3	280.3	280.3	279.4	280.3	280.3	280.3	280.3	280.3	280.3
172.5°	273.7	272.9	272.9	272.9	272.0	272.9	272.0	272.9	272.0	272.9	272.0
175°	267.9	267.9	267.9	267.9	267.1	267.1	267.1	267.1	267.1	267.1	267.1
177.5°	264.7	264.7	264.7	264.7	264.7	264.7	264.7	264.7	264.7	264.7	264.7
180°	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8	263.8

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

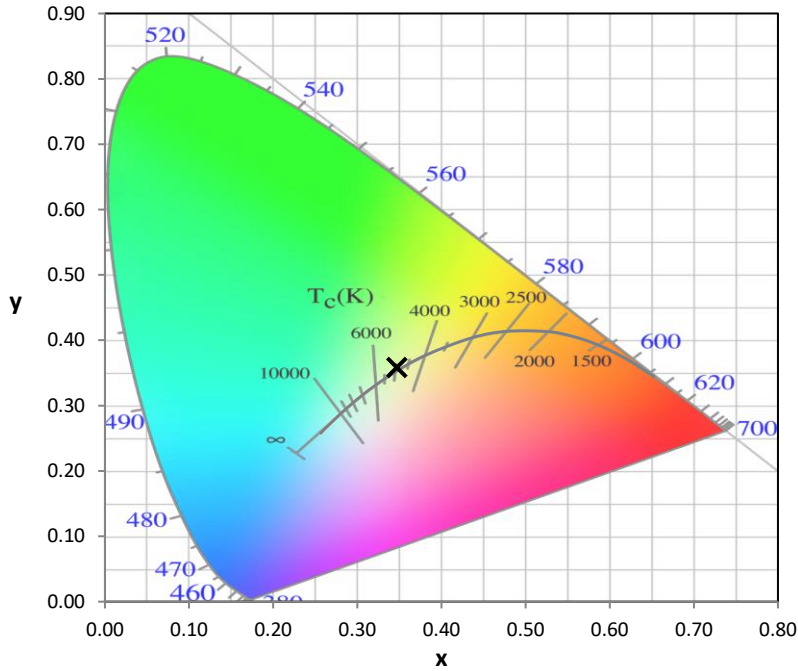
Stabilization Time: 0.803355M
 Operation Time: 1H
 Sphere Temperature (°C): 24.7

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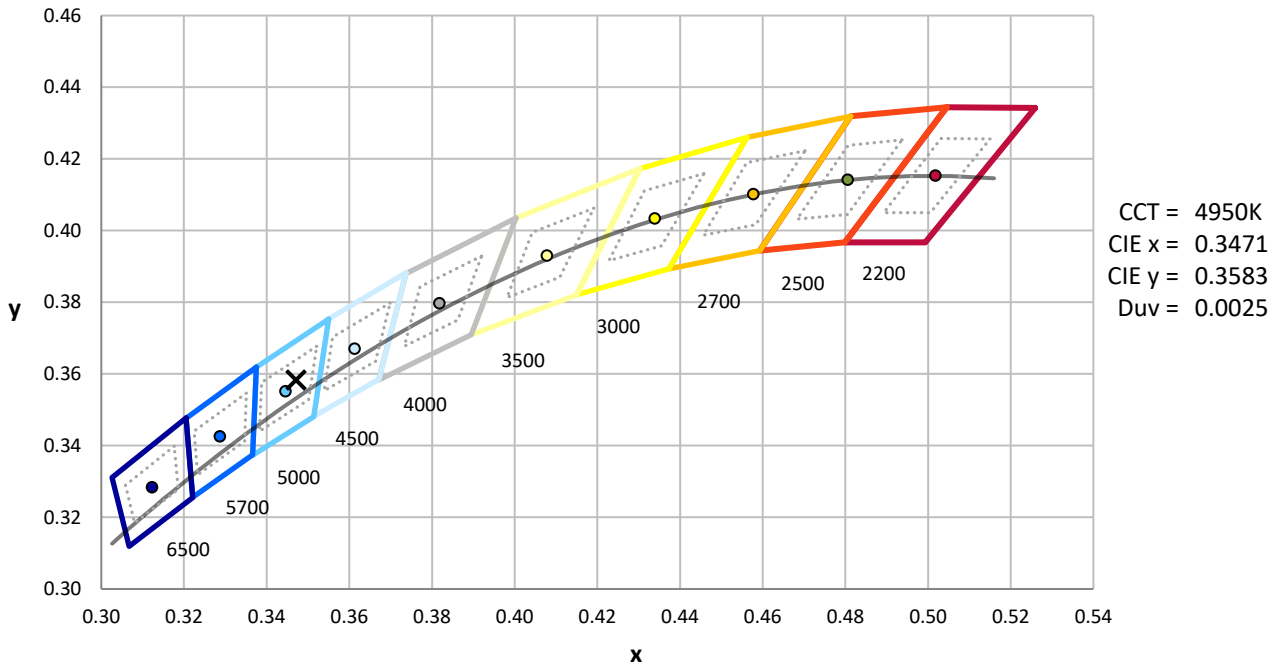
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



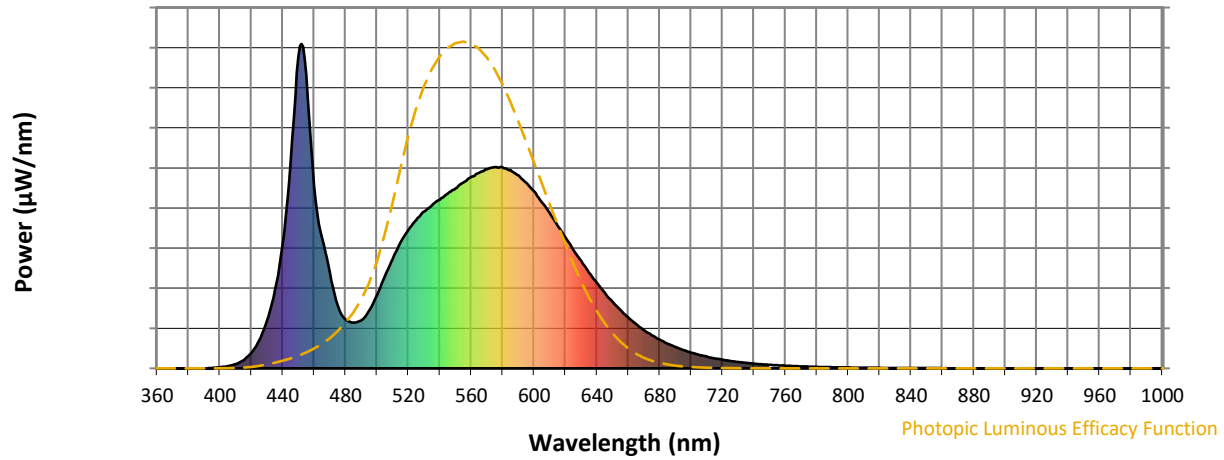
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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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	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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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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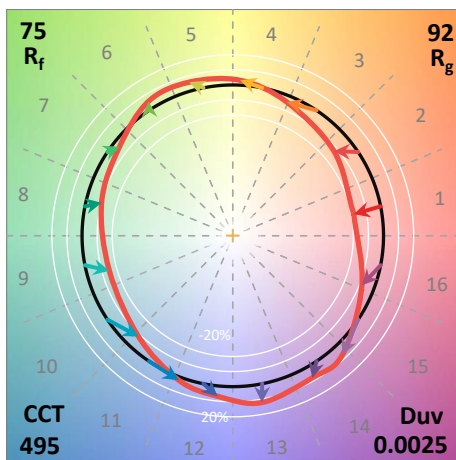
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Summary

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



Color Vector Graphics



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

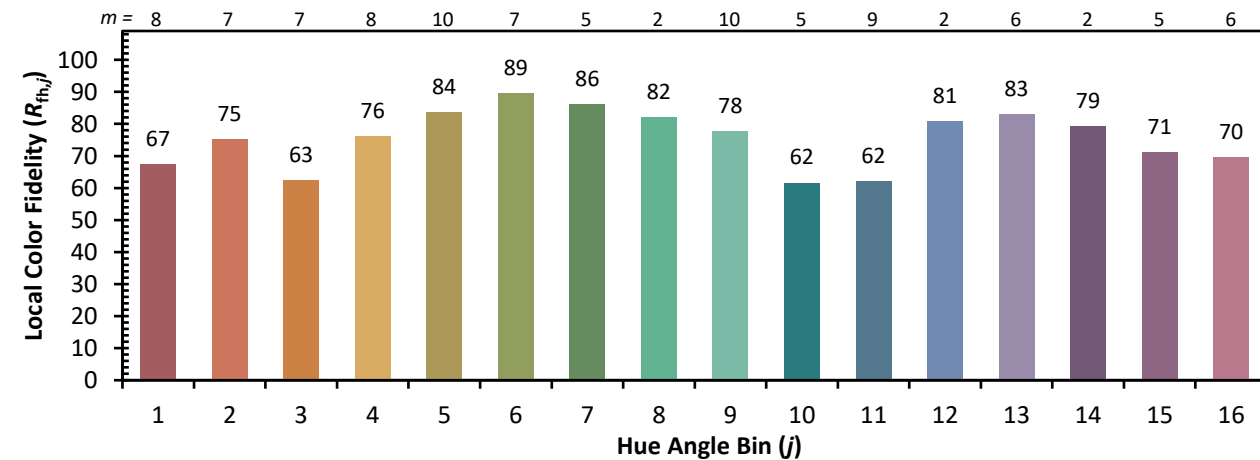
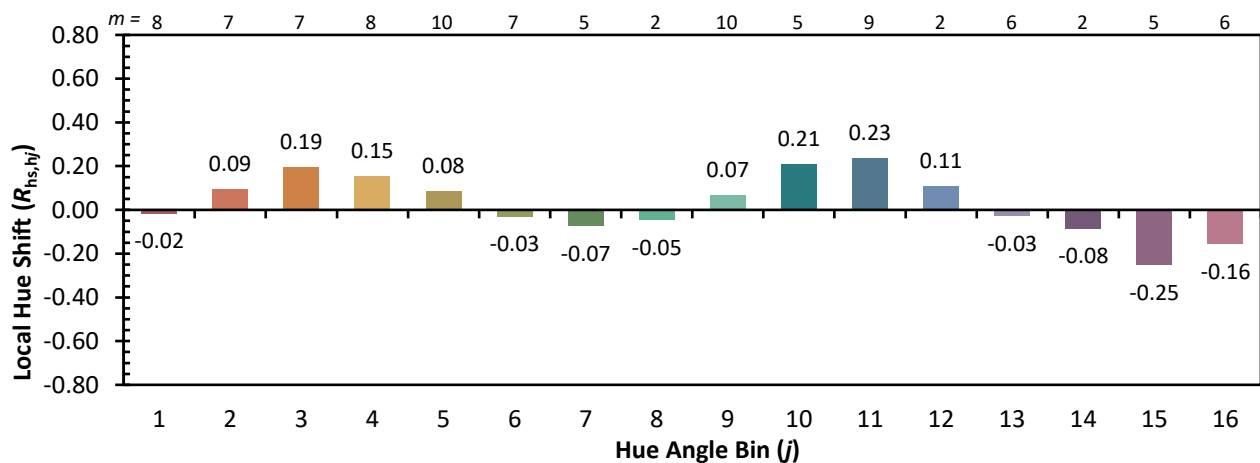
CES01 = 85	CES26 = 65	CES51 = 89	CES76 = 54
CES02 = 60	CES27 = 90	CES52 = 88	CES77 = 69
CES03 = 30	CES28 = 82	CES53 = 80	CES78 = 57
CES04 = 69	CES29 = 72	CES54 = 84	CES79 = 82
CES05 = 46	CES30 = 91	CES55 = 82	CES80 = 79
CES06 = 50	CES31 = 75	CES56 = 74	CES81 = 79
CES07 = 39	CES32 = 66	CES57 = 74	CES82 = 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)