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: P856327

Luminaire Tested: **FFX-CLB-90-722-U-VM8**

Issue Date: 07/16/2024

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P856327
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-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:	12221.9 lumens
Efficiency:	N/A
Efficacy:	135.3 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):	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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Scaled Data Report

REPORT NUMBER: P856327
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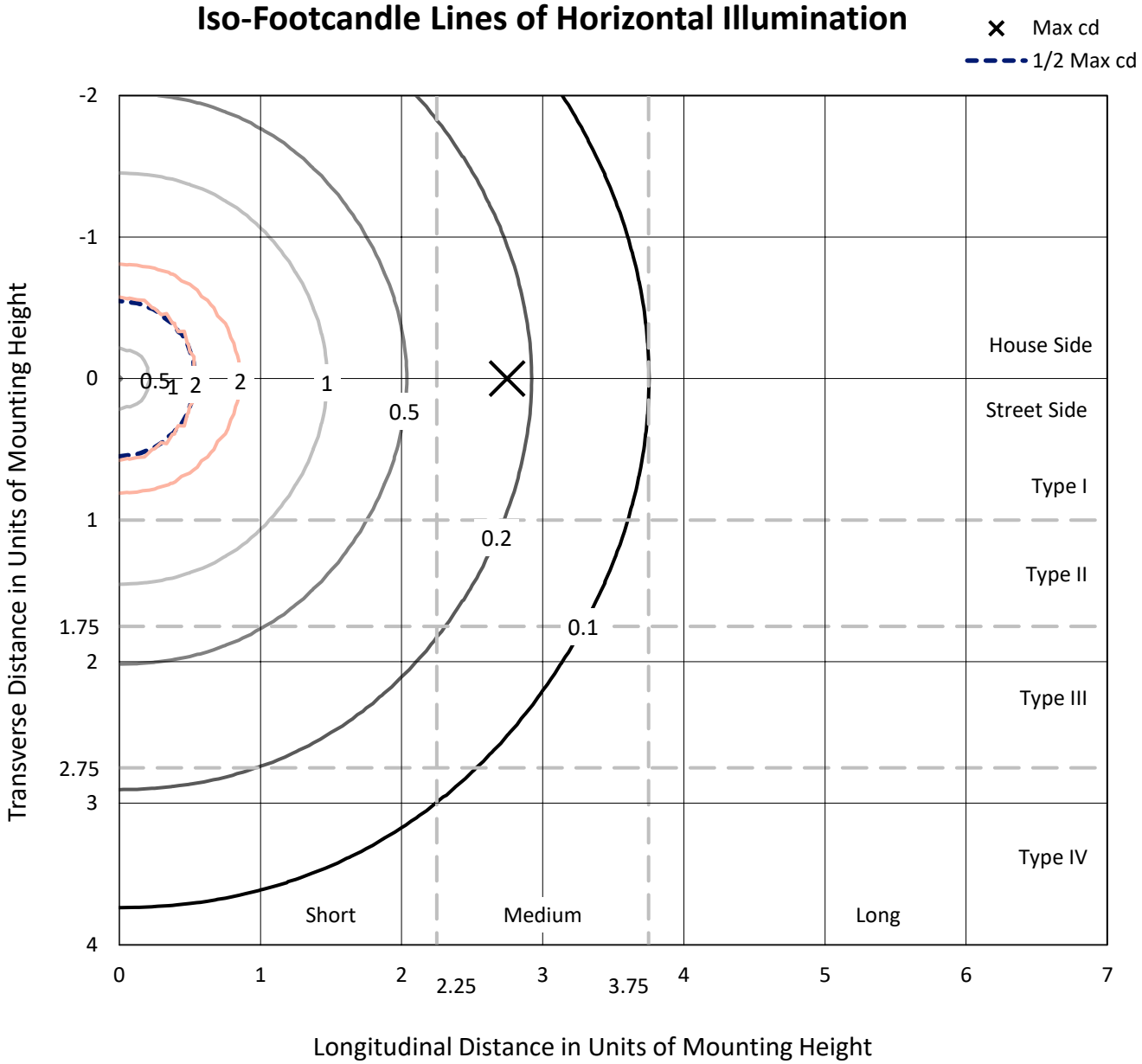
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - N/A

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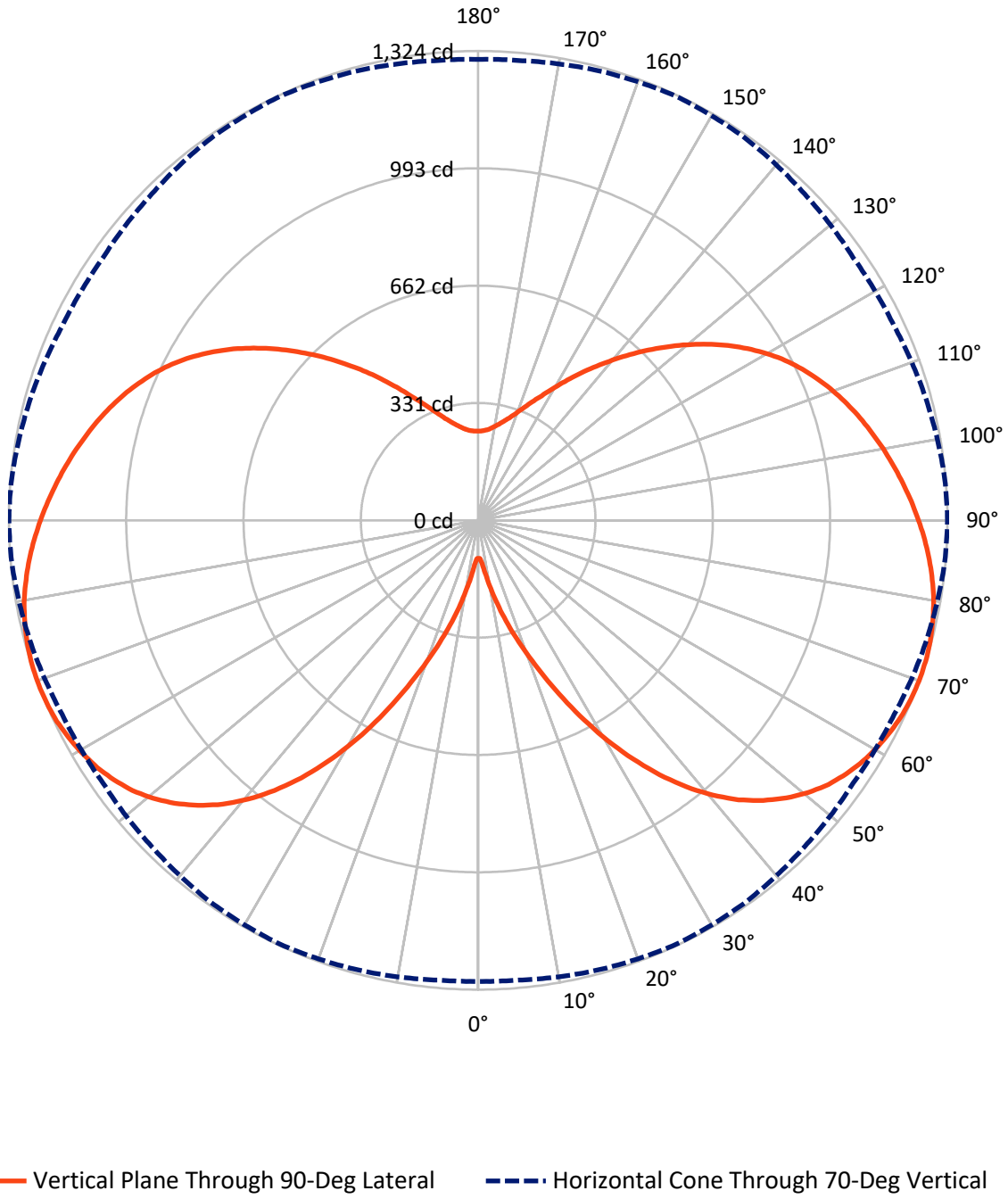
Luminous Intensity Polar Plot



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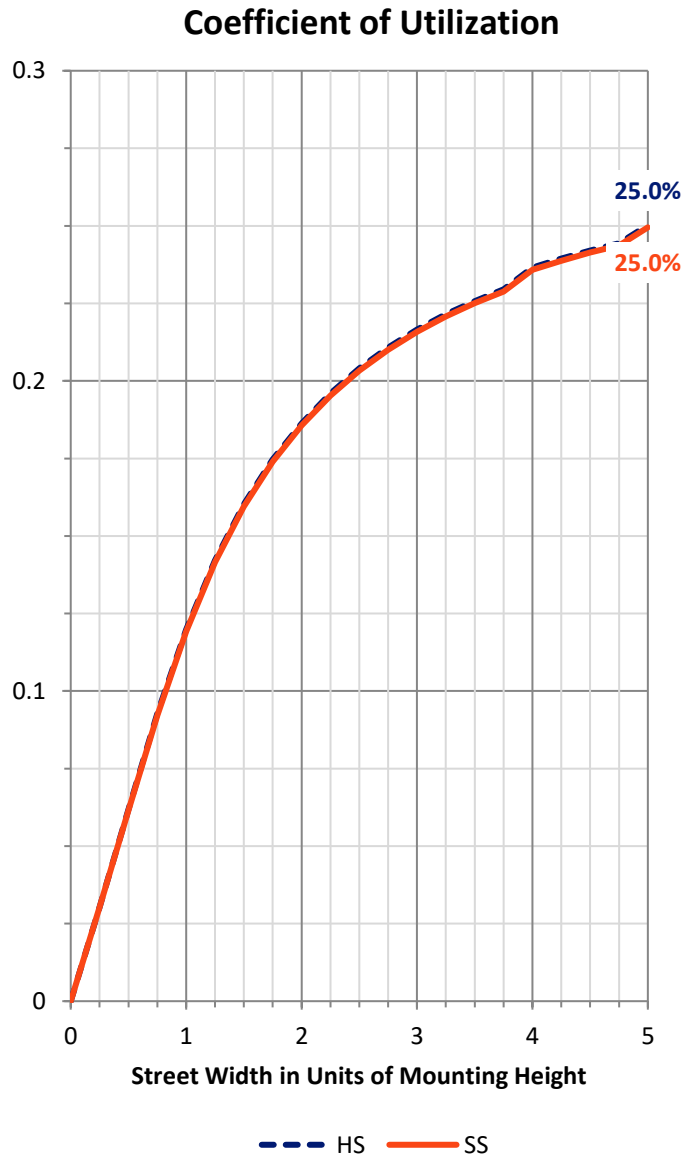
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3461.1	2649.8	6110.9
	% Fixture	28.3	21.7	50.0
Street Side	Lumens	3461.1	2649.8	6110.9
	% Fixture	28.3	21.7	50.0
Total	Lumens	6922.3	5299.6	12221.9
	% Fixture	56.6	43.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.1
10°-20°	87.5	0.7
20°-30°	261.1	2.1
30°-40°	545.9	4.5
40°-50°	856.8	7.0
50°-60°	1112.1	9.1
60°-70°	1287.3	10.5
70°-80°	1378.1	11.3
80°-90°	1379.2	11.3
90°-100°	1300.7	10.6
100°-110°	1163.8	9.5
110°-120°	978.6	8.0
120°-130°	750.6	6.1
130°-140°	513.6	4.2
140°-150°	313.3	2.6
150°-160°	171.3	1.4
160°-170°	83.0	0.7
170°-180°	24.7	0.2
0°-90°	6922.3	56.6
0°-180°	12221.9	100.0



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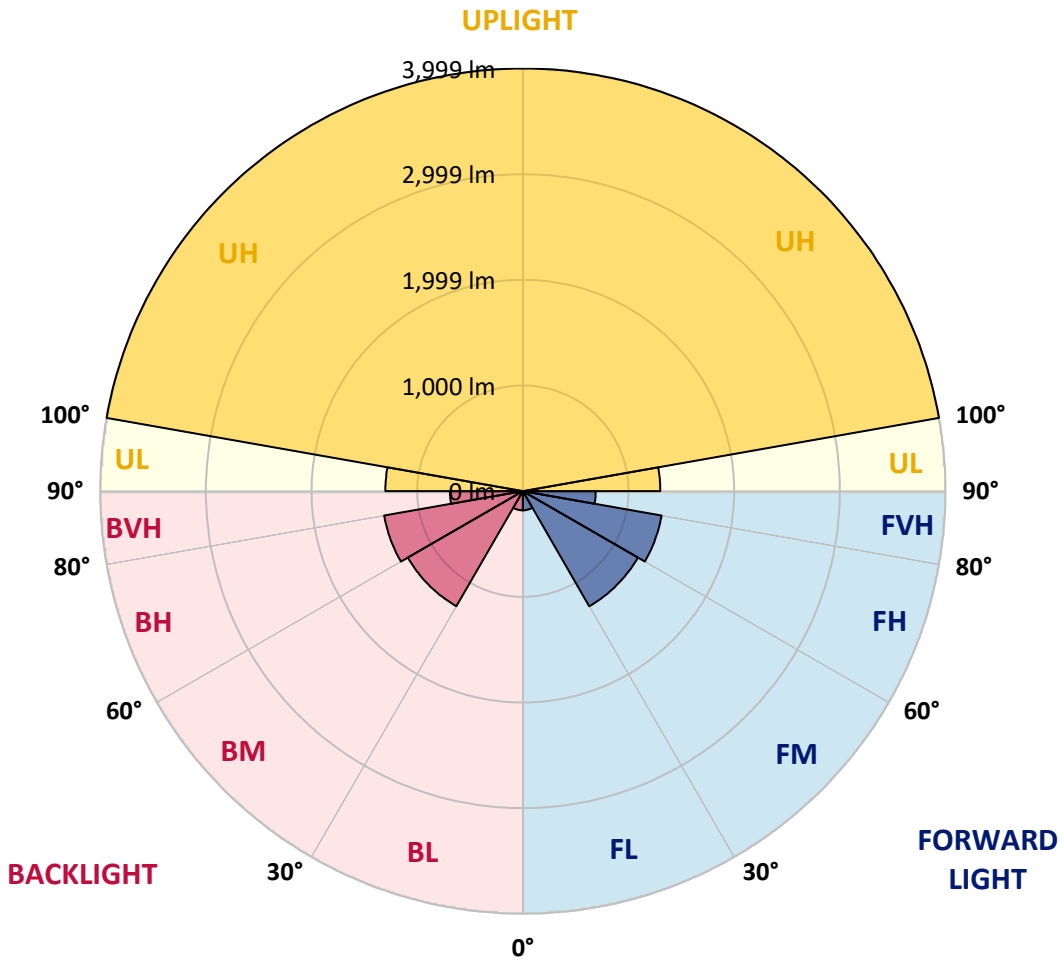
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	181.5	1.5			
FM	(30°-60°)	1257.4	10.3			
FH	(60°-80°)	1332.7	10.9			G1/1800
FVH	(80°-90°)	689.6	5.6			G4/750
BL	(0°-30°)	181.5	1.5	B1/500		
BM	(30°-60°)	1257.4	10.3	B2/2500		
BH	(60°-80°)	1332.7	10.9	B3/2500		G1/1800
BVH	(80°-90°)	689.6	5.6			G4/750
UL	(90°-100°)	1300.7	10.6		U5	
UH	(100°-180°)	3998.9	32.7		U5	

BUG Rating: B3-U5-G4
Type V Short



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REPORT NUMBER: P856327
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	*107.3*
2.5°	112.0	112.0	111.2	111.2	110.4	109.7	109.7	109.7	108.9	108.9	*108.1*
5°	127.7	126.9	126.9	126.1	126.9	126.1	126.1	126.1	126.1	124.5	*124.5*
7.5°	158.2	157.4	157.4	156.7	158.2	156.7	156.7	157.4	157.4	156.7	*156.7*
10°	198.2	197.4	197.4	195.8	197.4	196.6	196.6	195.0	195.8	195.0	*195.8*
12.5°	246.0	243.6	243.6	242.8	244.4	243.6	242.8	241.3	242.8	242.0	*242.0*
15°	295.3	296.1	295.3	294.5	296.1	296.1	295.3	293.7	295.3	293.7	*294.5*
17.5°	350.1	350.1	350.1	347.8	350.1	350.9	350.1	348.6	349.3	350.1	*350.1*
20°	409.7	409.7	410.4	408.9	412.8	410.4	409.7	408.9	409.7	410.4	*411.2*
22.5°	475.5	475.5	476.2	475.5	477.8	477.8	477.0	477.0	477.8	479.4	*479.4*
25°	548.3	549.1	549.1	546.7	552.2	553.8	552.2	552.2	553.8	556.1	*556.1*
27.5°	623.5	626.6	625.1	625.1	632.1	632.9	632.1	632.9	635.2	637.6	*638.4*
30°	701.0	703.4	706.5	704.2	712.0	712.8	713.6	714.4	717.5	721.4	*721.4*
32.5°	778.6	780.9	782.5	782.5	792.7	791.9	791.1	794.2	798.9	800.5	*802.9*
35°	856.1	856.1	857.7	858.5	868.7	867.9	869.4	871.8	876.5	879.6	*881.2*
37.5°	925.8	924.3	928.2	929.8	937.6	938.4	939.2	943.1	948.6	952.5	*954.0*
40°	989.3	987.7	992.4	994.8	1001.8	1001.8	1003.4	1008.1	1014.4	1018.3	*1019.1*
42.5°	1045.7	1044.9	1049.6	1052.7	1059.8	1059.0	1058.2	1064.5	1071.5	1076.2	*1077.8*
45°	1094.2	1093.5	1099.7	1103.6	1109.1	1107.6	1107.6	1113.0	1120.9	1126.4	*1127.1*
47.5°	1135.8	1135.8	1142.8	1147.5	1152.2	1149.9	1148.3	1153.8	1161.6	1169.4	*1170.2*
50°	1172.6	1171.8	1179.6	1185.1	1189.0	1185.9	1183.5	1189.0	1197.6	1205.5	*1207.0*
52.5°	1201.6	1203.1	1211.0	1218.0	1221.1	1216.4	1212.5	1218.0	1227.4	1236.0	*1237.6*
55°	1226.6	1227.4	1236.0	1244.6	1246.2	1239.9	1235.2	1239.9	1250.1	1259.5	*1261.1*
57.5°	1246.2	1247.8	1258.0	1265.8	1266.6	1259.5	1254.0	1258.0	1268.9	1278.3	*1280.7*
60°	1263.4	1265.0	1274.4	1283.0	1283.8	1275.2	1268.1	1271.3	1283.0	1294.0	*1295.6*
62.5°	1276.8	1279.1	1289.3	1297.1	1297.1	1286.9	1278.3	1281.5	1294.0	1305.7	*1307.3*
65°	1287.7	1290.1	1300.3	1308.1	1307.3	1295.6	1286.2	1289.3	1302.6	1314.3	*1316.7*
67.5°	1295.6	1297.1	1308.1	1315.9	1312.8	1300.3	1290.9	1293.2	1307.3	1319.0	*1321.4*
70°	*1300.3*	*1301.8*	*1312.8*	*1319.8*	*1315.1*	*1301.8*	*1291.6*	*1294.8*	*1308.9*	*1321.4*	*1323.7*
72.5°	1302.6	1305.0	1315.1	1321.4	1315.9	1301.0	1290.1	1294.0	1308.1	1321.4	*1323.0*
75°	1301.8	1303.4	1313.6	1319.0	1312.0	1297.9	1286.2	1290.1	1305.0	1316.7	*1319.0*
77.5°	1297.9	1299.5	1308.9	1313.6	1305.0	1290.9	1279.9	1283.8	1297.9	1309.6	*1312.0*
80°	1291.6	1293.2	1301.8	1305.0	1296.3	1282.2	1272.1	1276.0	1289.3	1300.3	*1302.6*
82.5°	1281.5	1283.8	1291.6	1293.2	1283.8	1271.3	1261.1	1265.0	1277.5	1287.7	*1289.3*
85°	1268.9	1270.5	1277.5	1278.3	1268.9	1258.0	1249.3	1253.3	1264.2	1272.1	*1274.4*
87.5°	1254.8	1254.8	1261.9	1261.9	1251.7	1241.5	1235.2	1238.4	1248.6	1254.8	*1257.2*
90°	1237.6	1238.4	1243.1	1242.3	1232.9	1224.3	1218.8	1222.7	1231.3	1236.8	*1238.4*
92.5°	1218.8	1219.6	1223.5	1221.9	1212.5	1205.5	1200.8	1205.5	1213.3	1217.2	*1218.8*
95°	1198.4	1199.2	1202.3	1199.2	1190.6	1185.1	1181.2	1186.7	1192.9	1196.9	*1198.4*
97.5°	1177.3	1178.1	1180.4	1177.3	1167.9	1163.2	1161.6	1166.3	1172.6	1175.7	*1177.3*
100°	1155.3	1155.3	1156.9	1152.2	1144.4	1140.5	1139.7	1145.2	1151.4	1154.6	*1156.1*
102.5°	1131.1	1131.8	1131.8	1127.1	1119.3	1117.0	1117.0	1123.2	1129.5	1131.8	*1133.4*
105°	1106.0	1106.0	1106.0	1102.1	1093.5	1091.9	1092.7	1098.9	1106.0	1109.1	*1110.7*
107.5°	1078.6	1079.4	1077.8	1073.9	1066.8	1065.3	1066.8	1075.4	1081.7	1084.8	*1086.4*
110°	1049.6	1050.4	1049.6	1044.9	1038.6	1037.9	1040.2	1048.8	1055.1	1058.2	*1060.6*

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Scaled Data Report

REPORT NUMBER: P856327
CATALOG NUMBER: FFX-CLB-90-722-U-VM8

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1019.1	1019.8	1019.1	1015.1	1008.9	1008.9	1012.0	1020.6	1027.7	1030.0	*1032.4*
115°	986.9	987.7	986.2	983.0	976.8	978.3	981.5	990.1	997.1	999.5	*1002.6*
117.5°	952.5	953.3	952.5	948.6	943.1	944.6	949.3	958.0	964.2	966.6	*969.7*
120°	914.9	914.9	914.9	911.0	905.5	908.6	913.3	922.7	928.2	929.8	*932.9*
122.5°	876.5	874.9	874.9	872.6	866.3	870.2	874.9	884.3	889.8	890.6	*892.9*
125°	834.2	835.0	832.6	831.1	825.6	830.3	834.2	843.6	848.3	849.1	*851.4*
127.5°	788.8	791.1	788.8	786.4	782.5	787.2	791.9	800.5	804.4	805.2	*806.8*
130°	746.5	746.5	744.1	742.6	738.6	743.3	748.0	755.9	759.8	759.8	*761.4*
132.5°	704.2	701.8	701.0	699.5	694.8	700.3	703.4	711.2	714.4	713.6	*715.1*
135°	658.0	658.0	655.6	654.8	650.9	656.4	659.5	666.6	668.9	668.1	*669.7*
137.5°	614.9	614.9	613.3	611.7	609.4	614.1	617.2	622.7	625.1	622.7	*625.1*
140°	572.6	572.6	571.8	570.2	567.9	572.6	574.9	579.6	582.0	579.6	*581.2*
142.5°	533.4	531.8	531.1	530.3	527.1	531.8	533.4	538.1	538.9	537.3	*539.7*
145°	491.9	492.7	491.9	491.1	488.8	492.7	494.3	498.2	499.0	497.4	*499.7*
147.5°	457.4	455.1	455.9	455.1	452.7	456.7	457.4	459.8	461.4	459.8	*461.4*
150°	423.0	421.4	421.4	420.6	419.1	422.2	423.0	425.3	426.1	424.5	*426.1*
152.5°	392.4	391.6	391.6	390.9	389.3	391.6	392.4	394.0	394.8	393.2	*394.0*
155°	365.0	364.2	364.2	363.4	361.9	364.2	364.2	365.8	366.6	365.8	*366.6*
157.5°	340.7	339.9	339.9	339.9	338.4	339.9	339.9	341.5	341.5	340.7	*341.5*
160°	321.1	319.6	320.4	319.6	318.0	319.6	319.6	320.4	320.4	320.4	*320.4*
162.5°	303.1	303.1	303.1	302.3	301.6	302.3	302.3	303.1	303.1	303.1	*302.3*
165°	289.0	289.0	289.0	288.2	287.5	288.2	288.2	288.2	288.2	288.2	*288.2*
167.5°	277.3	276.5	277.3	276.5	275.7	276.5	276.5	276.5	276.5	276.5	*276.5*
170°	267.1	267.1	267.1	267.1	266.3	267.1	267.1	267.1	267.1	267.1	*267.1*
172.5°	260.8	260.1	260.1	260.1	259.3	260.1	259.3	260.1	259.3	260.1	*259.3*
175°	255.4	255.4	255.4	255.4	254.6	254.6	254.6	254.6	254.6	254.6	*254.6*
177.5°	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2	252.2	*252.2*
180°	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	251.4	*251.4*

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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.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.03

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

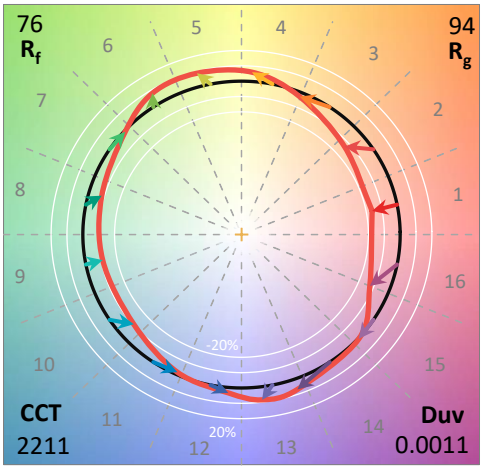
Test Information

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

Cooper Lighting Solutions Photometric Lab
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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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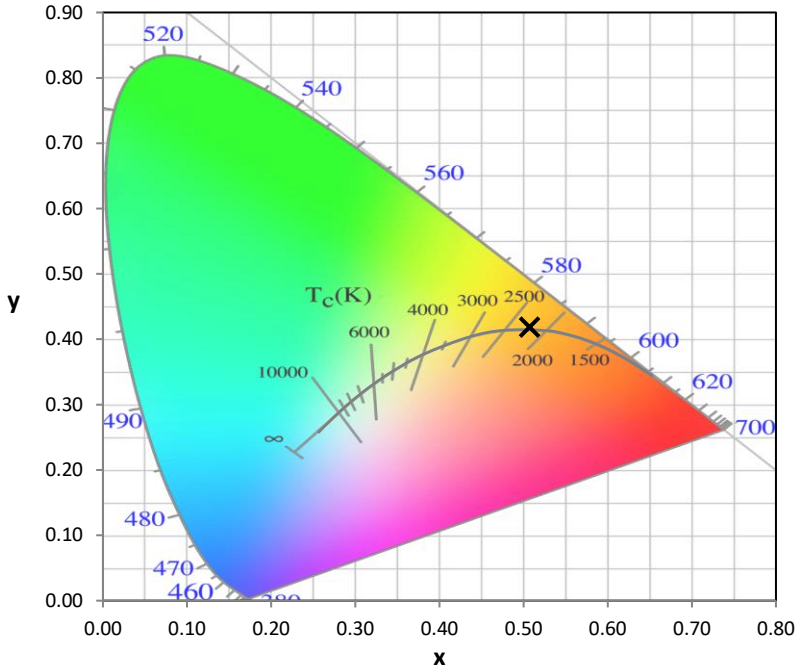
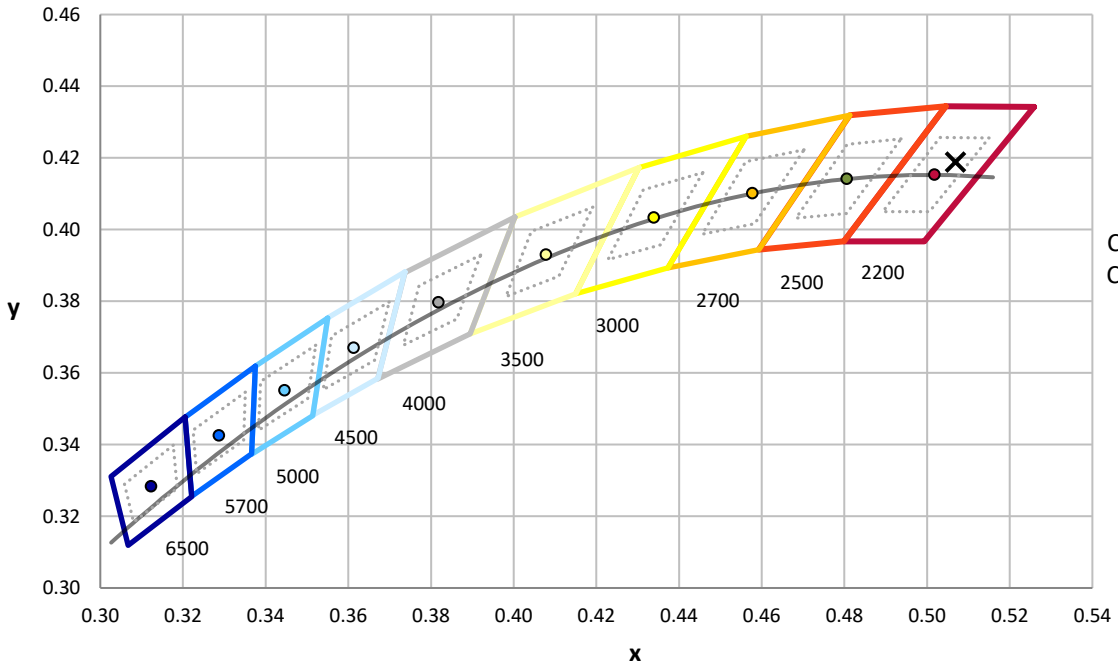
CIE 1931 Chromaticity Diagram



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



CCT = 2211K
CIE x = 0.5069
CIE y = 0.4188
Duv = 0.0011

Point lies inside the ANSI 2200K 4-step quadrangle

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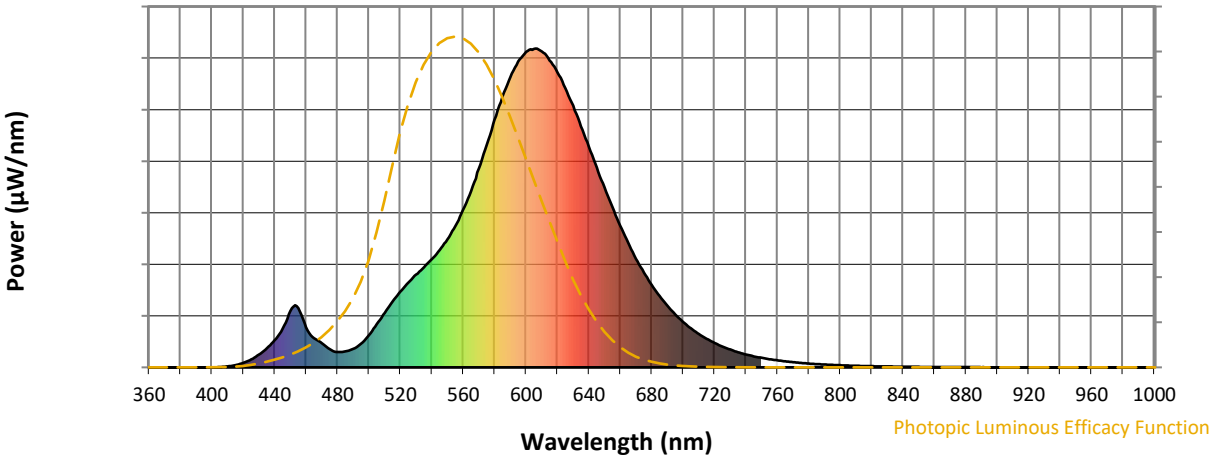
Photopic Flux vs. Wavelength



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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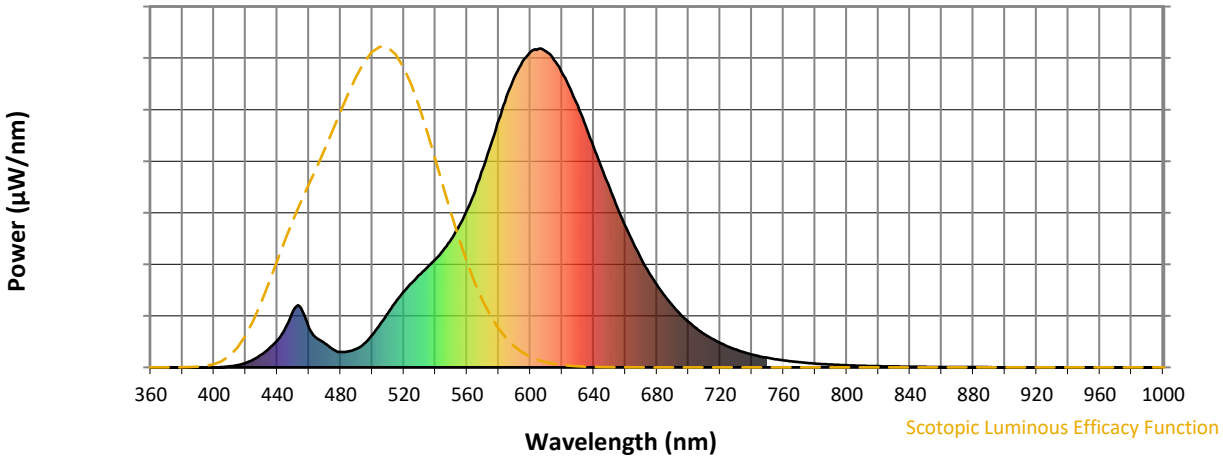
Scotopic Flux vs. Wavelength



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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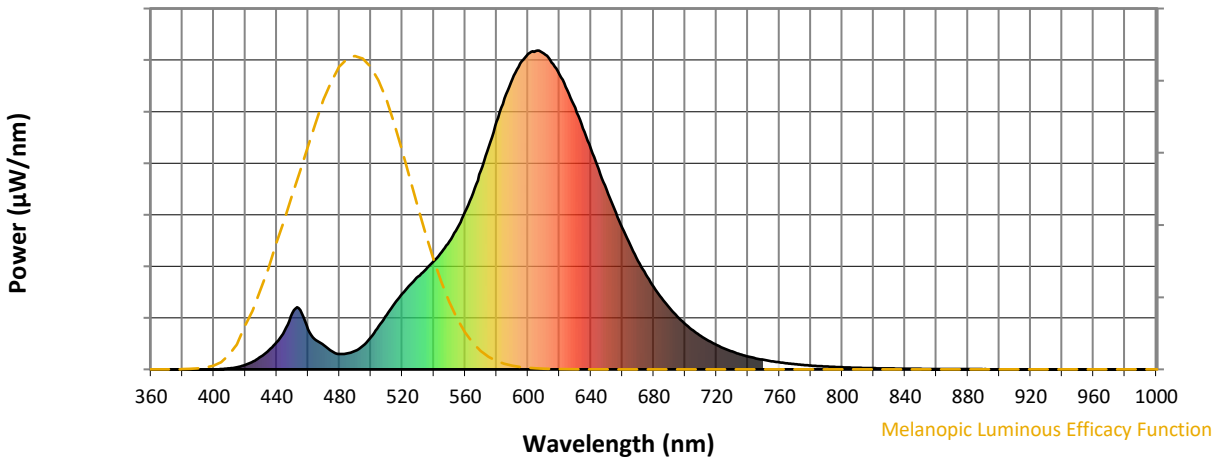
Melanopic Flux vs. Wavelength



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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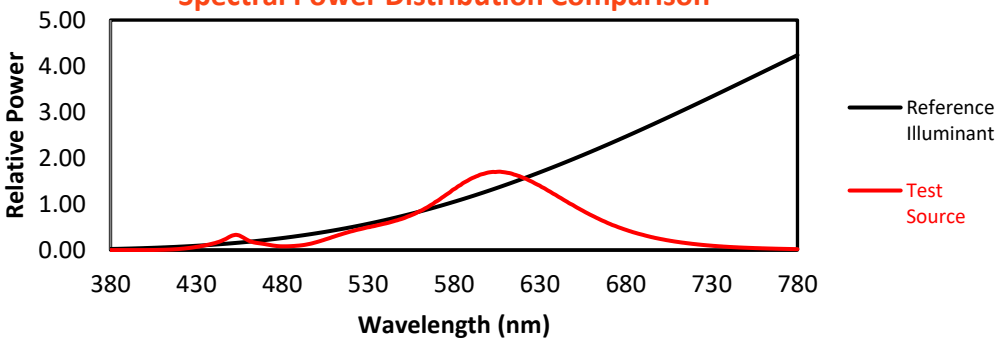
TM-30-18

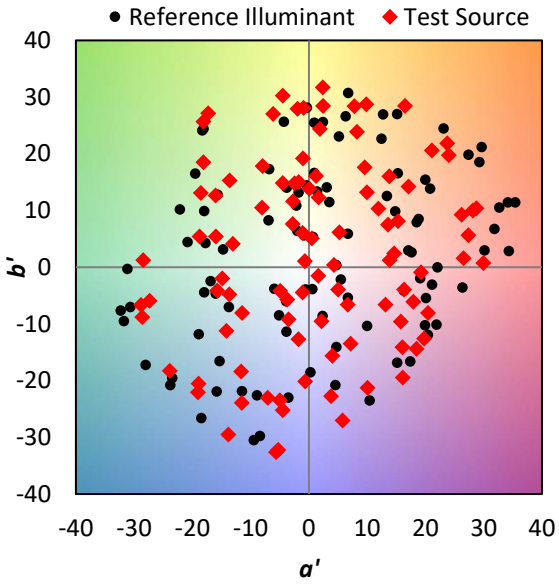
Summary

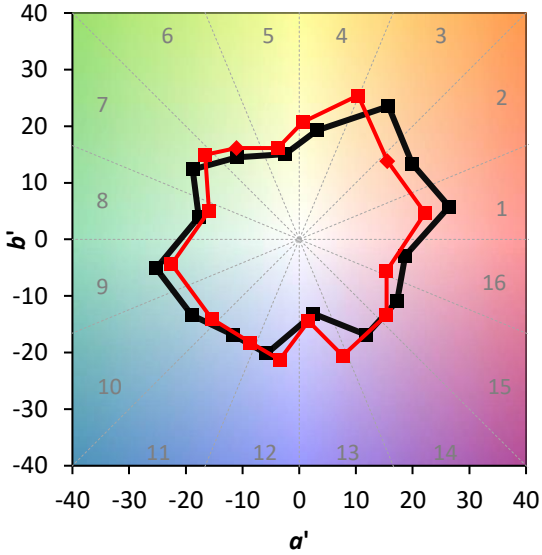
R_f = 76.1
R_g = 94.3
CIE R_a = 71.4
R_9 = -29.2

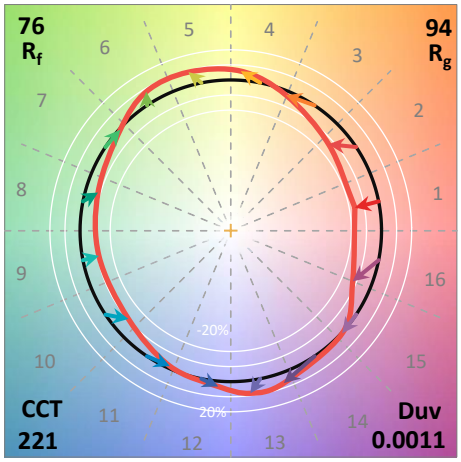
Spectral Power Distribution Comparison

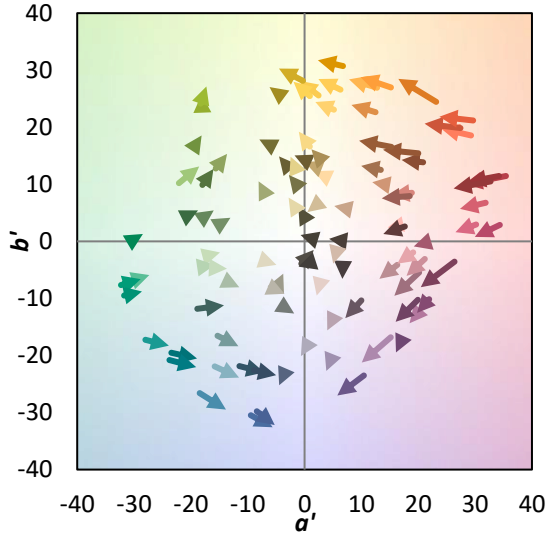


Color Vector Graphics









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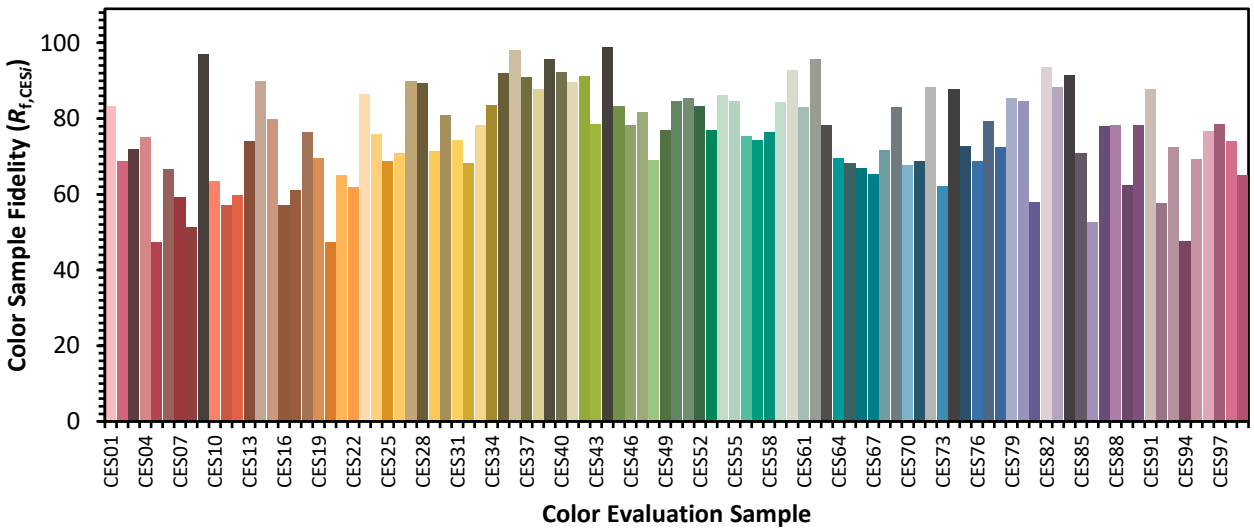
Individual Sample Fidelity Index ($R_{f,i}$)

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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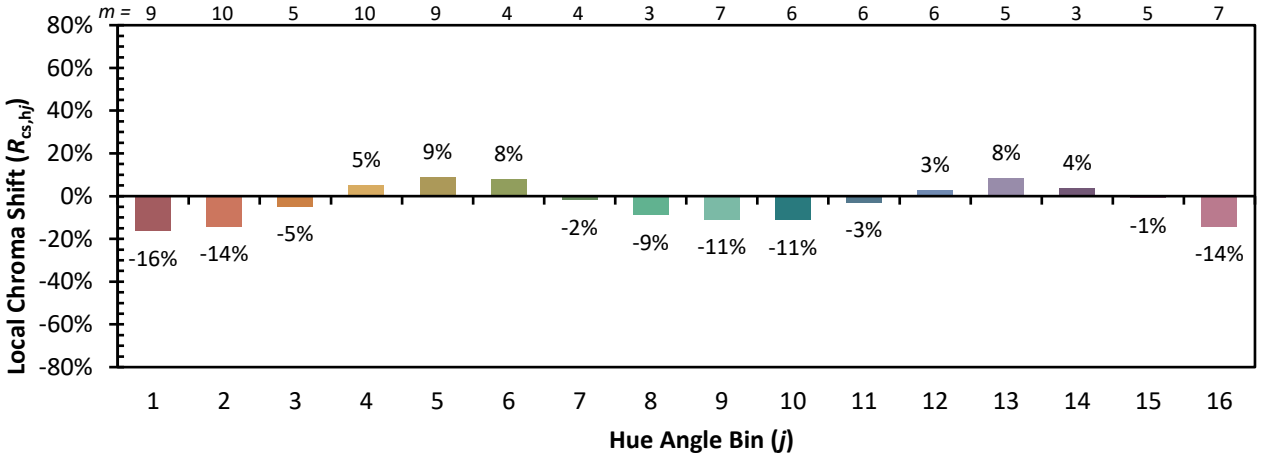
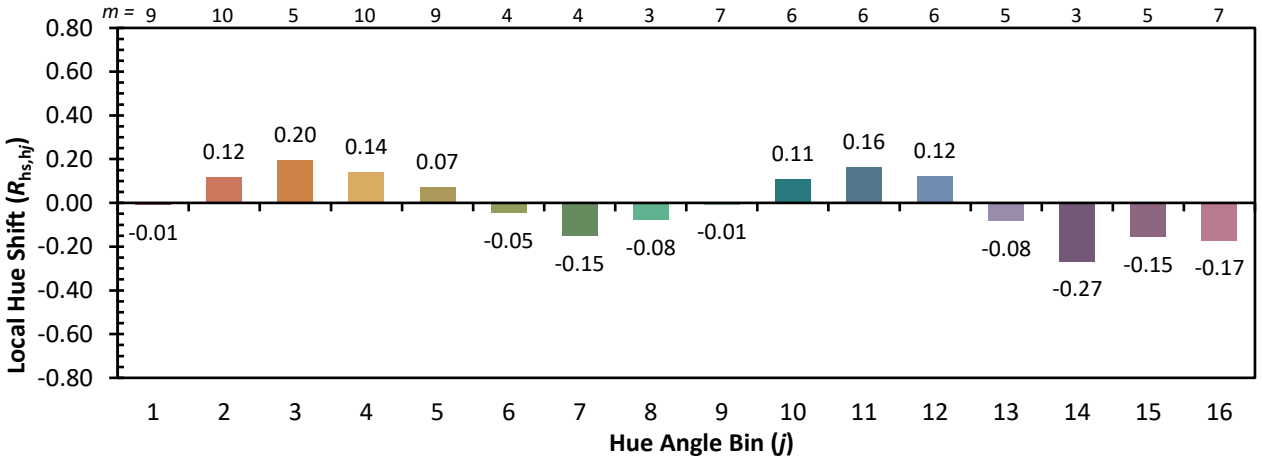
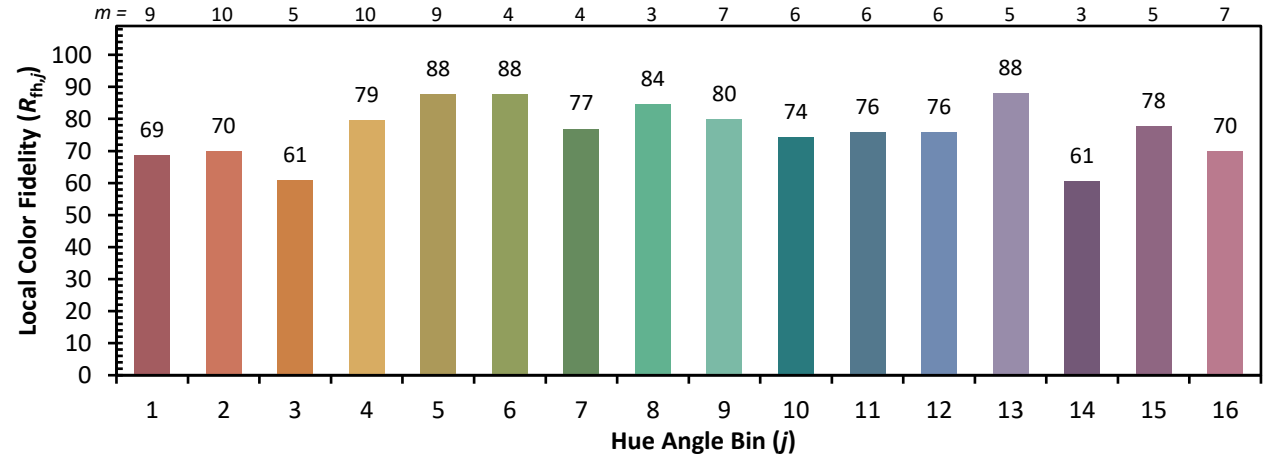
Color Rendition by Hue-Angle Bin







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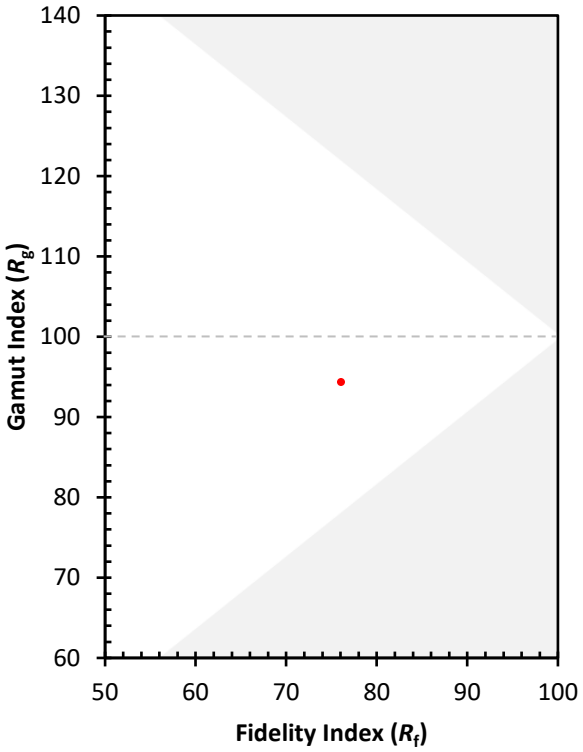
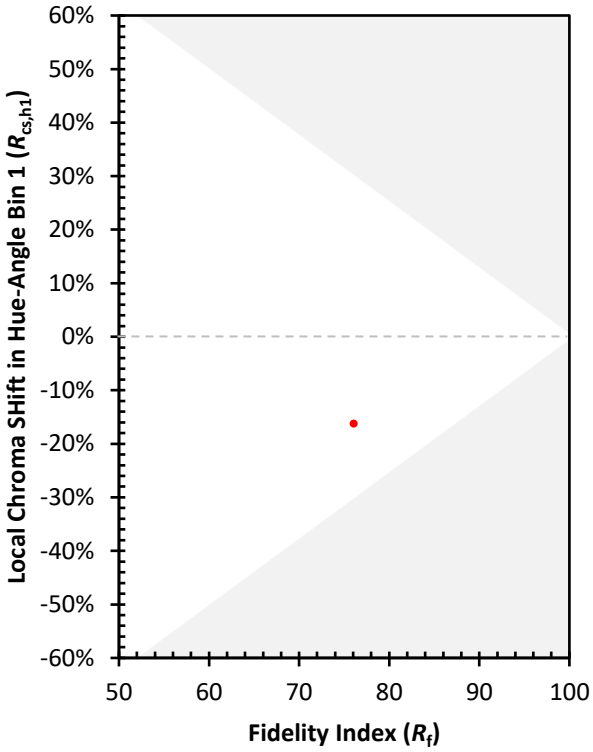
Measure Comparisons





(END OF REPORT)