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: P1045842

Luminaire Tested: **FFX-CLB-80-730-U-VM8-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045842
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-730-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8588.7 lumens
Efficiency:	N/A
Efficacy:	105.0 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G5

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

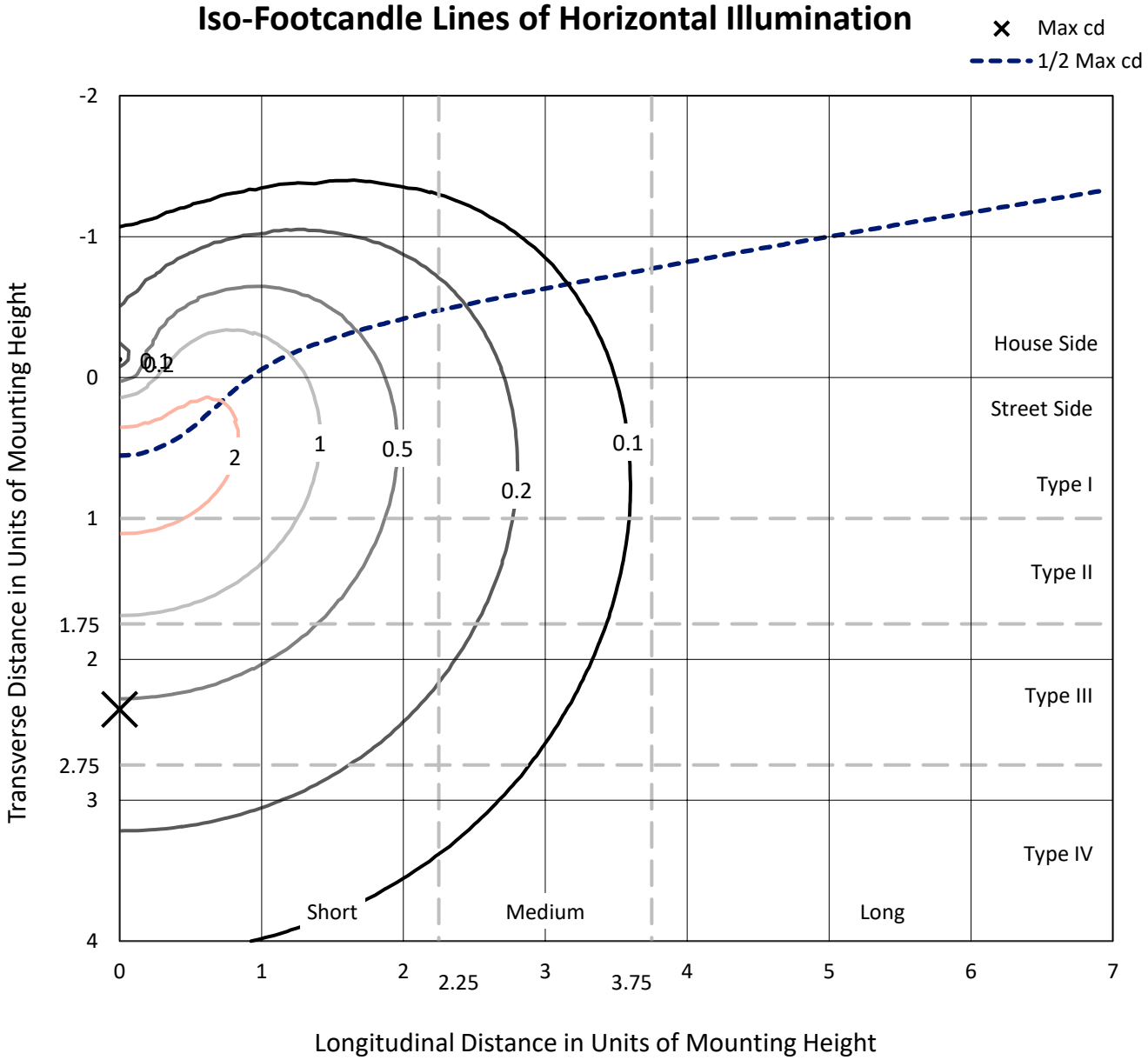


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Iso-Footcandle Lines of Horizontal Illumination



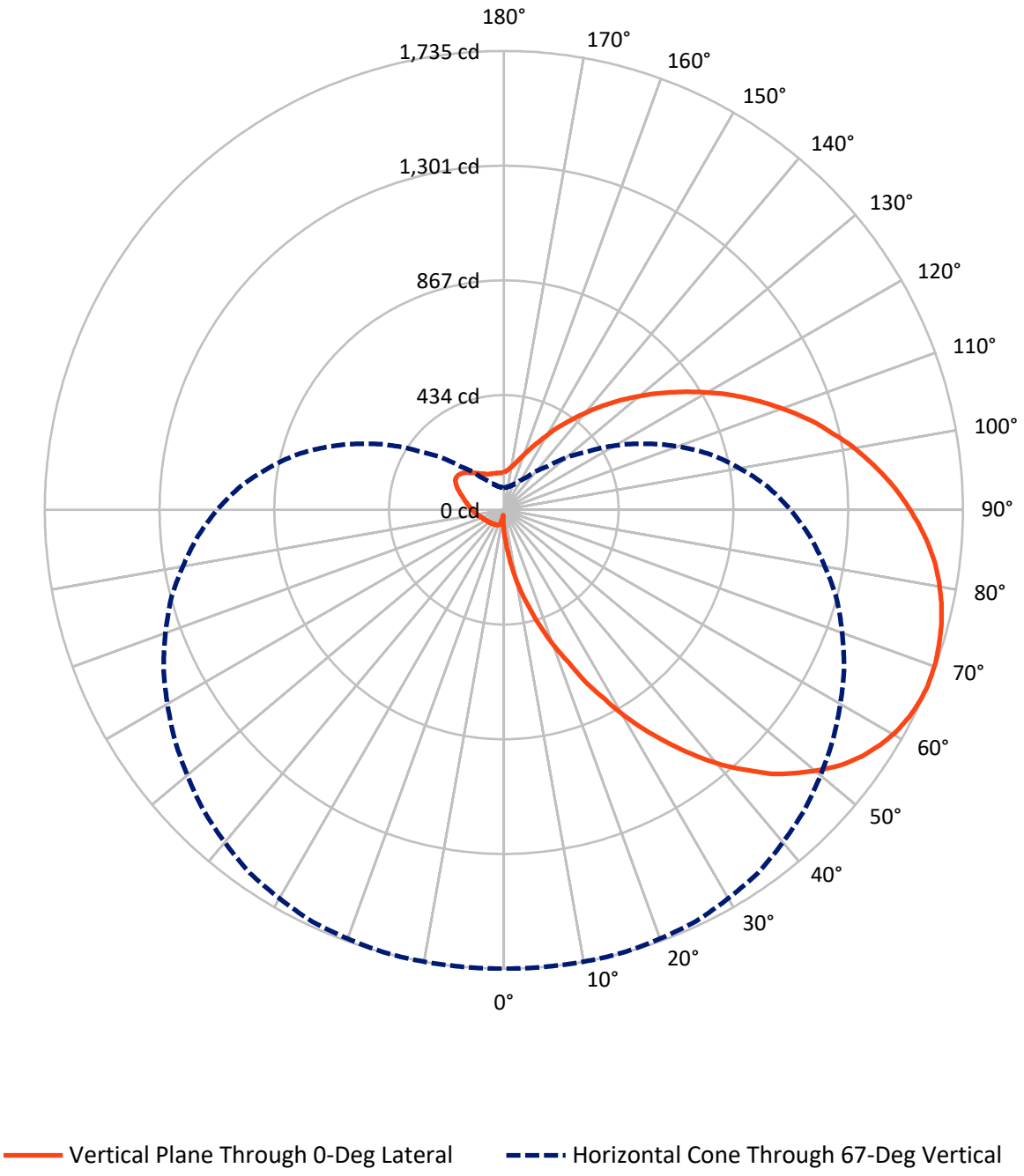
Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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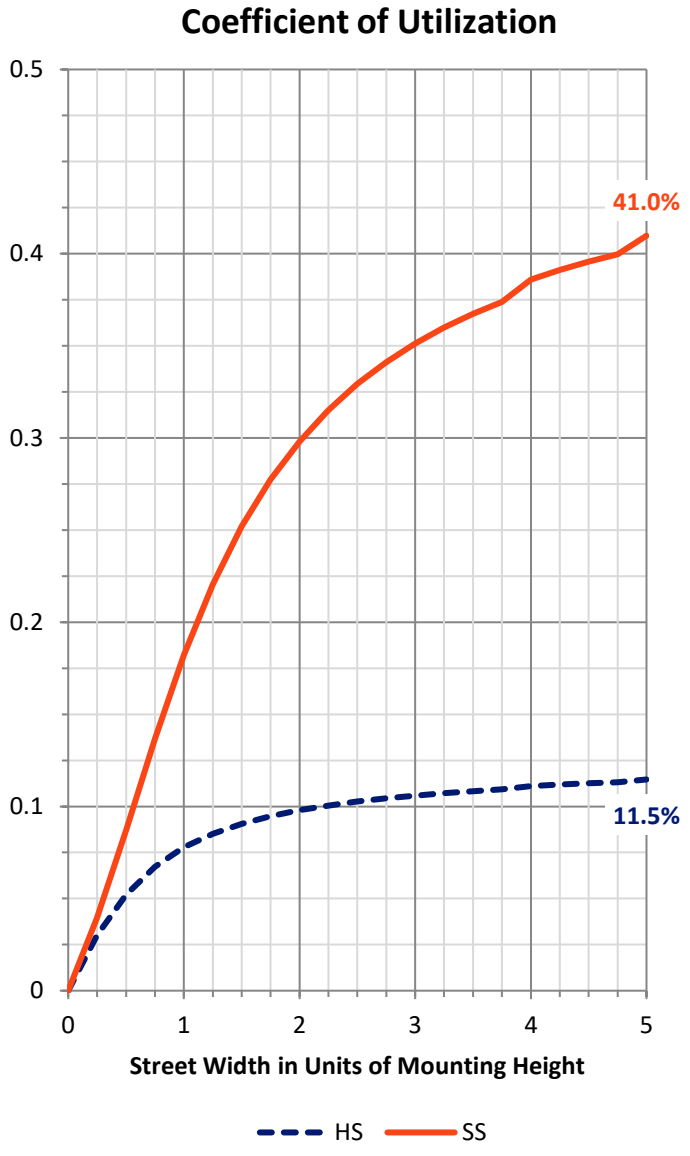
REPORT NUMBER: P1045842
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1063.6	1013.3	2076.8
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	4010.3	2501.5	6511.8
	% Fixture	46.7	29.1	75.8
Total	Lumens	5073.9	3514.8	8588.7
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	71.4	0.8
20°-30°	199.3	2.3
30°-40°	398.7	4.6
40°-50°	626.6	7.3
50°-60°	823.9	9.6
60°-70°	951.3	11.1
70°-80°	1003.9	11.7
80°-90°	987.3	11.5
90°-100°	906.2	10.6
100°-110°	783.8	9.1
110°-120°	643.3	7.5
120°-130°	490.5	5.7
130°-140°	330.4	3.8
140°-150°	195.8	2.3
150°-160°	103.0	1.2
160°-170°	48.0	0.6
170°-180°	14.0	0.2
0°-90°	5073.9	59.1
0°-180°	8588.7	100.0



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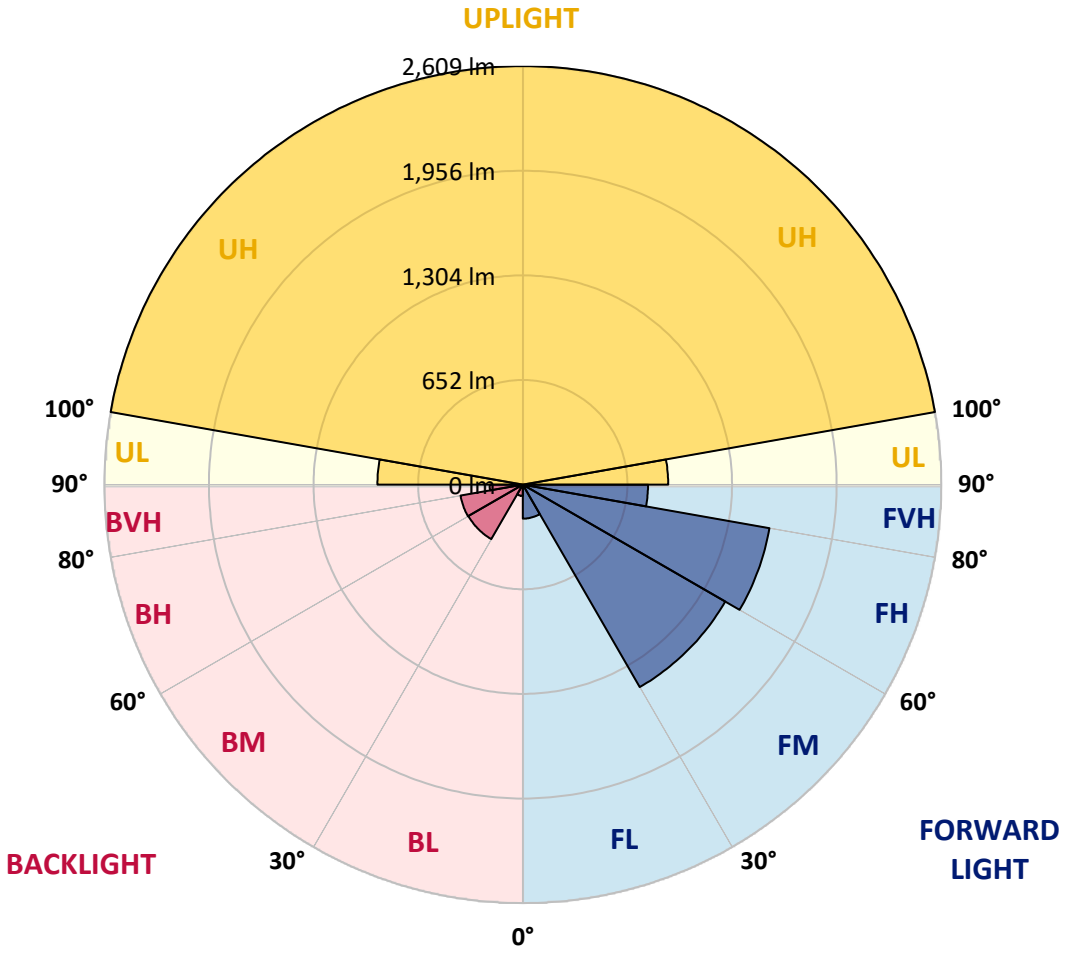
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	211.9	2.5			
FM	(30°-60°)	1457.1	17.0			
FH	(60°-80°)	1561.0	18.2			G1/1800
FVH	(80°-90°)	780.3	9.1			G5
BL	(0°-30°)	70.0	0.8	B0/110		
BM	(30°-60°)	392.2	4.6	B1/1000		
BH	(60°-80°)	394.3	4.6	B1/500		G1/500
BVH	(80°-90°)	207.1	2.4			G2/225
UL	(90°-100°)	906.2	10.6		U4/1000	
UH	(100°-180°)	2608.6	30.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*83.6*	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	*110.9*	112.8	112.8	111.8	110.9	109.0	107.1	103.4	95.8	90.2	84.6
5°	*160.7*	160.7	161.6	160.7	156.9	153.2	144.7	138.1	125.9	116.5	106.2
7.5°	*218.0*	220.8	219.9	217.1	210.5	202.0	191.7	179.5	167.3	153.2	137.2
10°	*281.9*	281.0	281.0	277.2	269.7	258.4	247.1	233.0	215.2	197.3	176.7
12.5°	*342.0*	344.9	343.0	338.3	328.9	320.4	306.3	290.4	269.7	250.9	222.7
15°	*406.9*	408.8	408.8	405.9	397.5	385.3	369.3	354.3	327.0	300.7	273.4
17.5°	*481.1*	478.3	474.5	474.5	464.2	453.9	437.9	417.2	387.1	358.0	321.4
20°	*555.4*	554.4	549.7	546.9	540.3	525.3	504.6	481.1	451.0	418.2	374.9
22.5°	*624.9*	634.3	633.3	628.6	620.2	605.2	582.6	554.4	523.4	482.1	432.3
25°	*723.6*	717.9	718.9	714.2	706.6	688.8	666.2	633.3	595.8	549.7	493.3
27.5°	*809.1*	807.2	807.2	804.4	794.0	775.2	748.9	717.9	674.7	620.2	557.2
30°	*907.7*	903.0	901.2	898.3	888.0	867.3	840.1	801.5	754.6	699.1	624.9
32.5°	*1000.8*	997.0	990.4	989.5	982.0	960.4	929.3	889.9	836.3	771.5	689.7
35°	*1090.0*	1091.9	1089.1	1084.4	1074.1	1053.4	1023.3	975.4	922.8	847.6	759.3
37.5°	*1180.2*	1179.3	1181.2	1177.4	1161.4	1141.7	1106.0	1055.3	995.1	913.4	820.3
40°	*1268.6*	1263.9	1262.9	1259.2	1247.9	1228.2	1187.8	1136.1	1068.4	983.8	878.6
42.5°	*1344.7*	1346.6	1344.7	1340.9	1325.9	1303.3	1261.1	1203.7	1132.3	1041.2	933.1
45°	*1424.6*	1421.7	1420.8	1420.8	1401.1	1377.6	1331.5	1272.3	1192.5	1094.7	980.1
47.5°	*1487.5*	1491.3	1489.4	1484.7	1471.5	1442.4	1393.5	1328.7	1245.1	1144.5	1022.4
50°	*1546.7*	1551.4	1552.4	1547.7	1531.7	1499.7	1449.0	1376.6	1292.1	1185.9	1059.0
52.5°	*1601.2*	1600.3	1603.1	1600.3	1585.2	1552.4	1494.1	1420.8	1329.7	1220.6	1087.2
55°	*1643.5*	1643.5	1645.4	1641.6	1627.5	1590.9	1530.7	1452.7	1359.7	1247.9	1111.6
57.5°	*1677.3*	1679.2	1678.3	1677.3	1661.4	1622.8	1558.9	1478.1	1384.2	1267.6	1129.5
60°	*1703.6*	1704.6	1704.6	1702.7	1686.7	1646.3	1581.5	1497.9	1400.1	1284.5	1143.6
62.5°	*1720.6*	1721.5	1721.5	1719.6	1703.6	1662.3	1596.5	1510.1	1411.4	1294.9	1153.0
65°	*1730.9*	1731.8	1731.8	1730.0	1714.0	1671.7	1604.0	1516.6	1417.0	1300.5	1158.6
67°	*1734.7*	*1734.7*	*1734.7*	*1733.7*	*1716.8*	*1675.5*	*1605.9*	*1517.6*	*1418.9*	*1302.4*	*1161.4*
67.5°	*1733.7*	1733.7	1734.7	1732.8	1716.8	1674.5	1605.0	1517.6	1418.0	1302.4	1161.4
70°	*1730.9*	1730.9	1730.9	1729.0	1713.0	1670.8	1601.2	1512.9	1415.2	1300.5	1160.5
72.5°	*1720.6*	1721.5	1721.5	1719.6	1703.6	1662.3	1592.8	1504.4	1407.6	1294.9	1157.7
75°	*1708.3*	1708.3	1708.3	1706.5	1690.5	1649.1	1580.5	1493.2	1398.2	1287.4	1152.1
77.5°	*1690.5*	1690.5	1690.5	1688.6	1672.6	1632.2	1564.6	1479.1	1386.0	1277.0	1145.5
80°	*1667.9*	1668.9	1667.9	1666.1	1650.1	1609.7	1544.8	1461.2	1370.1	1264.8	1136.1
82.5°	*1641.6*	1642.6	1641.6	1637.9	1622.8	1584.3	1519.5	1437.7	1351.3	1248.8	1124.8
85°	*1607.8*	1606.9	1607.8	1602.2	1589.0	1550.5	1491.3	1411.4	1327.8	1230.0	1108.8
87.5°	*1569.3*	1570.2	1568.3	1565.5	1549.5	1511.9	1455.6	1381.3	1300.5	1207.5	1090.0
90°	*1527.0*	1527.0	1526.0	1522.3	1505.4	1471.5	1418.0	1346.6	1271.4	1182.1	1070.3
92.5°	*1483.8*	1482.8	1480.0	1478.1	1463.1	1428.3	1376.6	1312.7	1242.3	1156.7	1049.6
95°	*1435.8*	1435.8	1434.0	1430.2	1413.3	1385.1	1335.3	1275.1	1208.4	1129.5	1028.0
97.5°	*1385.1*	1384.2	1383.2	1377.6	1362.5	1334.3	1293.9	1235.7	1174.6	1100.4	1003.6
100°	*1335.3*	1332.5	1330.6	1325.0	1311.8	1284.5	1246.0	1195.3	1136.1	1068.4	977.3
102.5°	*1277.0*	1277.0	1276.1	1270.5	1253.5	1231.0	1196.2	1151.1	1100.4	1035.5	949.1
105°	*1225.3*	1220.6	1218.8	1213.1	1200.0	1175.5	1146.4	1106.9	1060.0	999.8	920.9
107.5°	*1167.1*	1163.3	1162.4	1153.9	1143.6	1121.0	1096.6	1060.0	1020.5	966.9	891.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*1107.9*	1106.0	1105.1	1096.6	1083.5	1068.4	1043.0	1013.9	979.1	930.3	864.5
112.5°	*1049.6*	1047.7	1047.7	1041.2	1029.0	1010.2	992.3	966.9	935.9	893.6	832.6
115°	*992.3*	989.5	988.5	981.0	968.8	954.7	936.9	919.0	892.7	857.0	801.5
117.5°	*935.0*	931.2	932.2	925.6	916.2	902.1	885.2	873.0	850.4	817.5	770.5
120°	*875.8*	876.7	876.7	868.3	859.8	848.5	834.4	822.2	807.2	778.1	734.8
122.5°	*819.4*	821.3	821.3	815.6	805.3	795.0	785.6	774.3	761.1	738.6	700.1
125°	*763.0*	766.8	764.9	760.2	751.7	740.5	733.9	724.5	714.2	695.4	661.5
127.5°	*711.3*	711.3	706.6	707.6	699.1	689.7	684.1	677.5	667.2	649.3	622.1
130°	*657.8*	658.7	659.7	654.0	646.5	639.0	633.3	630.5	622.1	607.0	579.8
132.5°	*608.9*	608.9	607.0	603.3	596.7	591.1	591.1	582.6	576.0	561.9	538.4
135°	*561.0*	560.1	560.1	556.3	551.6	548.8	542.2	538.4	531.9	518.7	500.9
137.5°	*514.0*	515.9	514.0	511.2	506.5	502.7	498.0	497.1	487.7	478.3	458.6
140°	*468.9*	471.7	468.9	468.0	464.2	459.5	456.7	452.9	450.1	437.9	421.0
142.5°	*426.6*	428.5	426.6	425.7	422.9	419.1	417.2	414.4	407.8	400.3	386.2
145°	*390.0*	389.0	389.0	388.1	384.3	381.5	378.7	376.8	373.1	365.5	349.6
147.5°	*354.3*	351.4	353.3	351.4	348.6	346.7	345.8	342.0	338.3	330.8	319.5
150°	*317.6*	319.5	318.6	317.6	314.8	314.8	312.0	309.2	306.3	297.9	290.4
152.5°	*287.5*	287.5	288.5	286.6	285.7	282.8	281.0	280.0	276.3	270.6	262.2
155°	*262.2*	261.2	261.2	261.2	259.4	256.5	255.6	253.7	251.8	245.3	237.7
157.5°	*237.7*	237.7	237.7	236.8	236.8	234.0	233.0	230.2	227.4	223.6	217.1
160°	*217.1*	217.1	216.1	216.1	215.2	214.2	212.4	209.5	207.7	204.9	199.2
162.5°	*200.2*	199.2	199.2	198.3	197.3	195.5	194.5	193.6	190.8	187.9	183.2
165°	*184.2*	184.2	184.2	183.2	182.3	181.4	180.4	178.5	176.7	174.8	172.0
167.5°	*172.0*	172.0	172.0	171.0	171.0	170.1	169.1	167.3	165.4	163.5	161.6
170°	*162.6*	162.6	162.6	161.6	160.7	159.7	158.8	157.9	156.9	155.0	154.1
172.5°	*155.0*	155.0	155.0	155.0	153.2	152.2	151.3	151.3	150.3	149.4	148.5
175°	*148.5*	148.5	148.5	148.5	147.5	146.6	145.7	145.7	144.7	143.8	142.8
177.5°	*144.7*	144.7	144.7	143.8	143.8	142.8	141.9	141.9	141.0	141.0	140.0
180°	*140.0*	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	80.8	77.1	70.5	64.8	60.1	55.4	52.6	49.8	49.8	50.7	48.9
5°	97.7	91.1	78.9	65.8	54.5	45.1	37.6	31.0	25.4	22.6	22.6
7.5°	129.7	122.2	105.2	88.3	72.4	57.3	45.1	34.8	26.3	21.6	20.7
10°	166.3	157.9	134.4	113.7	94.0	75.2	59.2	45.1	35.7	31.0	30.1
12.5°	208.6	197.3	169.1	142.8	117.5	94.0	74.2	58.3	48.9	44.2	43.2
15°	257.5	239.6	207.7	174.8	141.9	112.8	89.3	71.4	61.1	54.5	54.5
17.5°	301.6	282.8	244.3	202.0	164.4	130.6	102.4	80.8	66.7	60.1	59.2
20°	352.4	327.0	281.0	232.1	186.1	144.7	110.9	86.5	69.5	61.1	61.1
22.5°	404.1	377.8	321.4	262.2	206.7	157.9	119.3	90.2	71.4	62.0	61.1
25°	465.1	429.4	361.8	295.1	230.2	172.0	126.9	94.0	73.3	63.9	62.0
27.5°	524.3	487.7	408.8	327.9	251.8	186.1	133.4	97.7	75.2	64.8	63.9
30°	586.4	541.3	452.0	361.8	274.4	198.3	140.0	100.5	76.1	65.8	63.9
32.5°	648.4	598.6	499.9	394.7	296.0	209.5	145.7	102.4	78.0	66.7	64.8
35°	711.3	657.8	546.0	427.6	315.7	219.9	149.4	104.3	78.9	66.7	65.8
37.5°	765.8	709.5	589.2	457.6	332.6	228.3	153.2	106.2	78.9	67.7	66.7
40°	820.3	759.3	626.8	483.0	347.7	234.9	156.0	107.1	79.9	68.6	67.7
42.5°	869.2	801.5	659.7	505.5	359.9	239.6	156.9	107.1	80.8	69.5	68.6
45°	913.4	844.8	690.7	527.2	370.2	242.4	157.9	108.1	81.8	70.5	69.5
47.5°	953.8	880.5	718.9	545.0	378.7	245.3	157.9	108.1	82.7	72.4	70.5
50°	987.6	910.6	742.3	560.1	384.3	246.2	156.9	108.1	83.6	73.3	72.4
52.5°	1013.9	935.9	762.1	570.4	388.1	245.3	156.0	108.1	84.6	74.2	73.3
55°	1036.5	956.6	776.2	578.8	389.0	243.4	155.0	108.1	85.5	76.1	75.2
57.5°	1053.4	971.6	788.4	585.4	390.0	241.5	153.2	108.1	86.5	77.1	76.1
60°	1066.5	984.8	797.8	589.2	389.0	238.7	152.2	108.1	87.4	78.9	78.0
62.5°	1075.9	992.3	803.4	590.1	386.2	235.9	150.3	108.1	88.3	80.8	79.9
65°	1081.6	997.9	808.1	591.1	383.4	233.0	149.4	109.0	90.2	83.6	82.7
67°	*1083.5*	*1000.8*	*809.1*	*591.1*	*381.5*	*231.2*	*149.4*	*109.9*	*92.1*	*84.6*	*83.6*
67.5°	1084.4	1000.8	809.1	590.1	380.6	231.2	149.4	109.9	92.1	85.5	84.6
70°	1083.5	1000.8	809.1	588.2	377.8	229.3	148.5	111.8	94.9	88.3	87.4
72.5°	1081.6	998.9	807.2	585.4	374.0	227.4	149.4	113.7	97.7	91.1	90.2
75°	1076.9	995.1	803.4	581.7	371.2	225.5	150.3	115.6	100.5	94.9	94.0
77.5°	1072.2	990.4	800.6	577.9	368.4	225.5	151.3	118.4	104.3	98.7	97.7
80°	1063.7	983.8	795.0	574.1	365.5	224.6	153.2	122.2	108.1	102.4	101.5
82.5°	1053.4	974.5	787.5	568.5	362.7	224.6	156.0	125.0	111.8	106.2	105.2
85°	1039.3	962.2	778.1	561.0	359.9	225.5	157.9	128.7	115.6	110.9	109.9
87.5°	1023.3	947.2	766.8	554.4	357.1	225.5	160.7	132.5	119.3	114.6	114.6
90°	1004.5	931.2	753.6	546.9	354.3	227.4	164.4	136.3	124.0	119.3	119.3
92.5°	987.6	914.3	743.3	539.4	352.4	229.3	168.2	141.0	128.7	124.0	124.0
95°	965.1	896.5	728.3	532.8	351.4	231.2	172.0	145.7	134.4	129.7	128.7
97.5°	943.4	876.7	715.1	525.3	350.5	234.9	176.7	151.3	139.1	134.4	134.4
100°	919.9	857.0	700.1	518.7	350.5	239.6	183.2	156.9	145.7	141.0	140.0
102.5°	897.4	835.4	685.0	512.1	352.4	244.3	189.8	163.5	152.2	147.5	146.6
105°	872.0	812.8	671.9	506.5	354.3	250.9	197.3	172.0	159.7	155.0	154.1
107.5°	846.7	792.2	656.8	501.8	358.0	259.4	206.7	180.4	168.2	162.6	161.6

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

Scaled Data Report

REPORT NUMBER: P1045842
CATALOG NUMBER: FFX-CLB-80-730-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	819.4	769.6	643.7	498.0	363.7	268.7	217.1	191.7	177.6	172.0	171.0
112.5°	794.0	747.0	629.6	495.2	369.3	280.0	229.3	202.0	188.9	181.4	180.4
115°	765.8	723.6	616.4	492.4	375.9	291.3	242.4	213.3	199.2	191.7	191.7
117.5°	738.6	699.1	601.4	489.6	382.5	303.5	254.7	225.5	209.5	202.0	201.1
120°	706.6	672.8	585.4	483.9	386.2	312.9	265.0	235.9	218.0	210.5	209.5
122.5°	674.7	643.7	564.7	475.5	387.1	318.6	272.5	244.3	225.5	217.1	216.1
125°	638.0	611.7	543.1	462.3	384.3	321.4	277.2	247.1	228.3	218.9	218.0
127.5°	602.3	577.0	517.8	446.3	376.8	318.6	276.3	247.1	228.3	218.0	217.1
130°	563.8	541.3	487.7	426.6	364.6	312.0	272.5	243.4	224.6	214.2	213.3
132.5°	524.3	505.5	458.6	405.0	349.6	301.6	264.1	236.8	218.0	208.6	207.7
135°	485.8	468.9	428.5	380.6	333.6	289.4	254.7	228.3	209.5	201.1	201.1
137.5°	449.2	433.2	397.5	357.1	314.8	275.3	243.4	218.0	202.0	193.6	191.7
140°	411.6	398.4	367.4	331.7	295.1	260.3	231.2	207.7	192.6	185.1	184.2
142.5°	376.8	365.5	339.2	310.1	276.3	246.2	218.9	199.2	185.1	177.6	176.7
145°	343.9	333.6	311.0	284.7	257.5	231.2	206.7	188.9	176.7	171.0	170.1
147.5°	311.0	304.5	285.7	264.1	238.7	215.2	195.5	180.4	169.1	164.4	163.5
150°	283.8	275.3	261.2	241.5	221.8	202.0	185.1	172.0	163.5	158.8	158.8
152.5°	256.5	251.8	237.7	222.7	205.8	189.8	174.8	164.4	157.9	154.1	154.1
155°	235.9	229.3	217.1	204.9	190.8	177.6	167.3	158.8	153.2	150.3	149.4
157.5°	214.2	210.5	201.1	189.8	179.5	169.1	160.7	154.1	149.4	147.5	146.6
160°	196.4	193.6	186.1	177.6	169.1	161.6	155.0	150.3	146.6	144.7	144.7
162.5°	181.4	179.5	172.9	167.3	160.7	155.0	150.3	146.6	144.7	143.8	143.8
165°	170.1	168.2	163.5	158.8	155.0	150.3	147.5	144.7	142.8	142.8	142.8
167.5°	160.7	158.8	156.0	153.2	150.3	146.6	144.7	142.8	142.8	141.9	141.9
170°	153.2	152.2	149.4	147.5	145.7	143.8	142.8	141.9	141.0	141.0	141.0
172.5°	147.5	146.6	144.7	143.8	141.9	141.0	141.0	141.0	141.0	141.0	141.0
175°	142.8	141.9	141.9	141.0	140.0	140.0	139.1	140.0	140.0	140.0	140.0
177.5°	140.0	140.0	139.1	139.1	139.1	139.1	139.1	140.0	140.0	141.0	141.0
180°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

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: SP1-2501-332-4

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-730-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-730-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

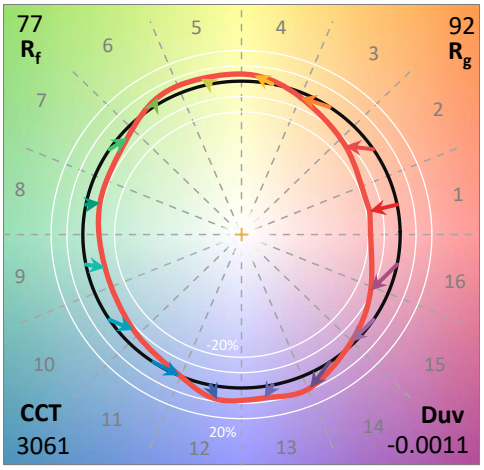
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-730-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3061
CIE u':	0.2489
CIE v':	0.5187
Duv:	-0.0011
CIE x:	0.4312
CIE y:	0.3995
CIE z:	0.1693
Peak Wavelength (nm):	592
Dominant Wavelength (nm):	582
Purity:	49.32381
Rf:	76.8
Rg:	92.2

CRI (Ra):	71.7
R1:	67.8
R2:	85.0
R3:	92.9
R4:	66.0
R5:	68.5
R6:	80.2
R7:	74.5
R8:	39.0
R9:	-40.3
R10:	67.2
R11:	61.6
R12:	59.9
R13:	71.4
R14:	96.3
R15:	58.8



Test Conditions

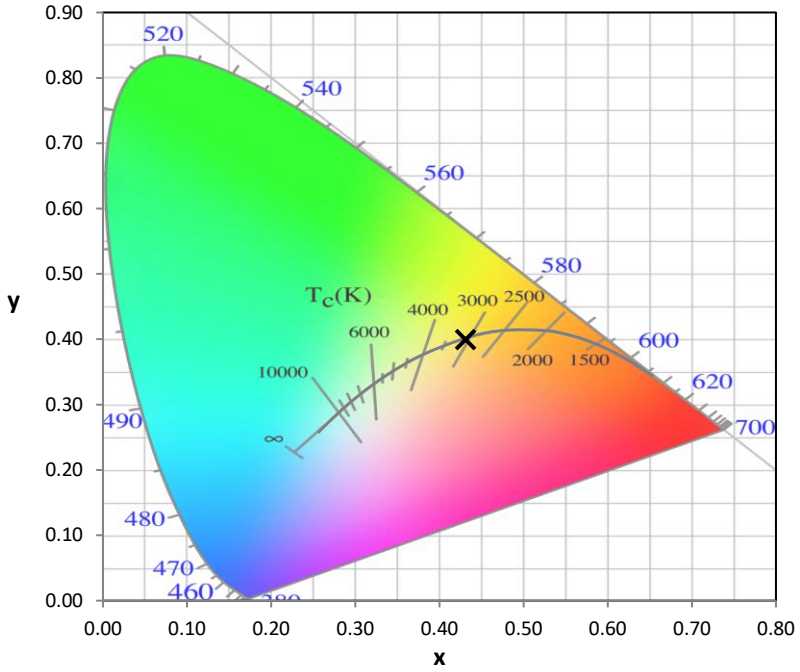
Stabilization Time:	56M
Operation Time:	1H 56M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-4

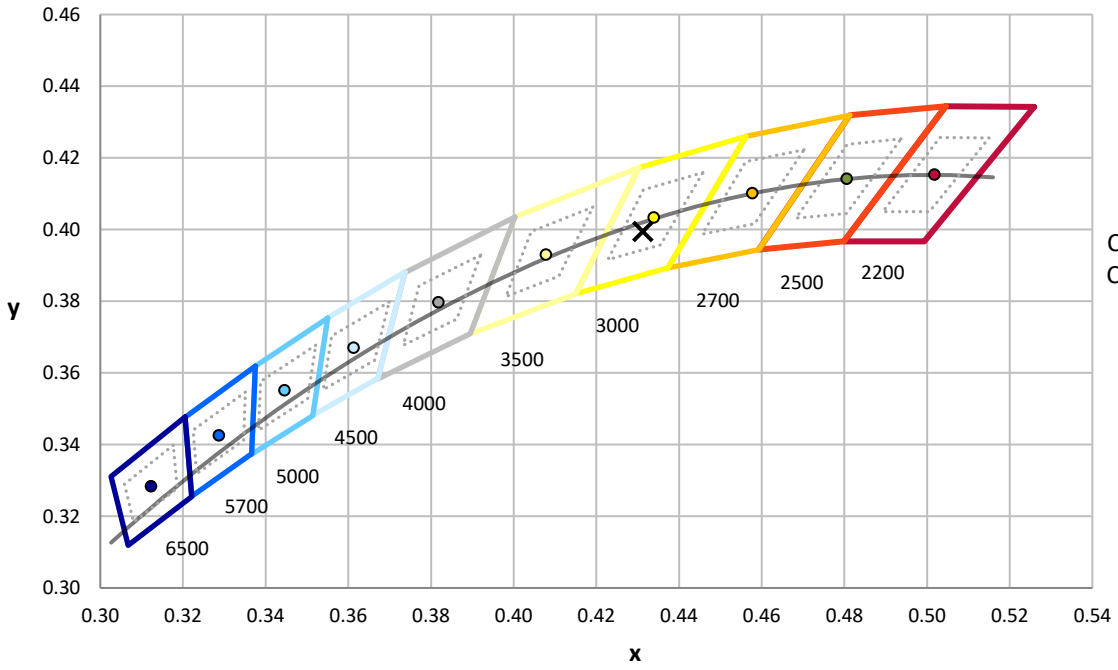
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-332-4

CIE 1931 Chromaticity Diagram



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

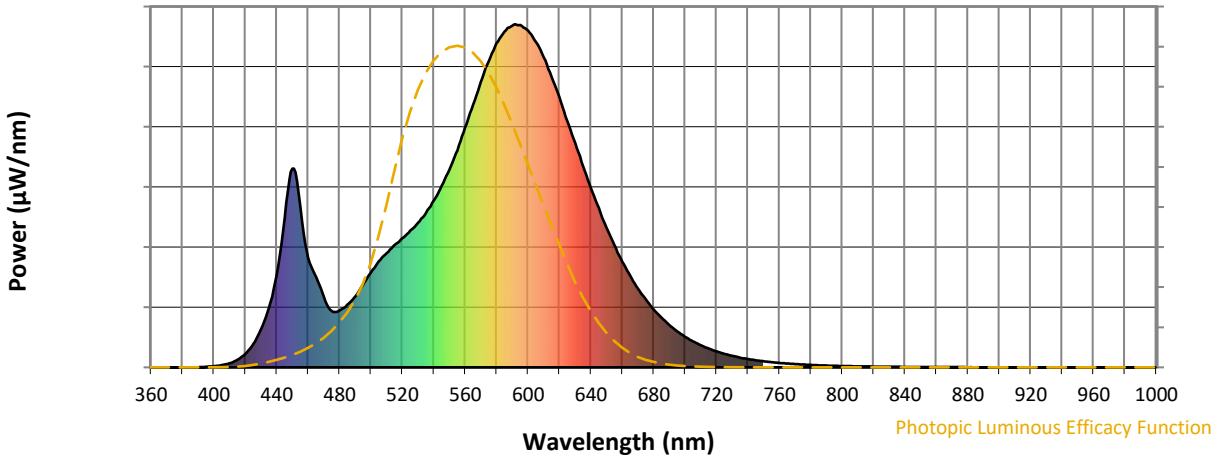


CCT = 3061K
CIE x = 0.4312
CIE y = 0.3995
Duv = -0.0011

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-4

Photopic Flux vs. Wavelength

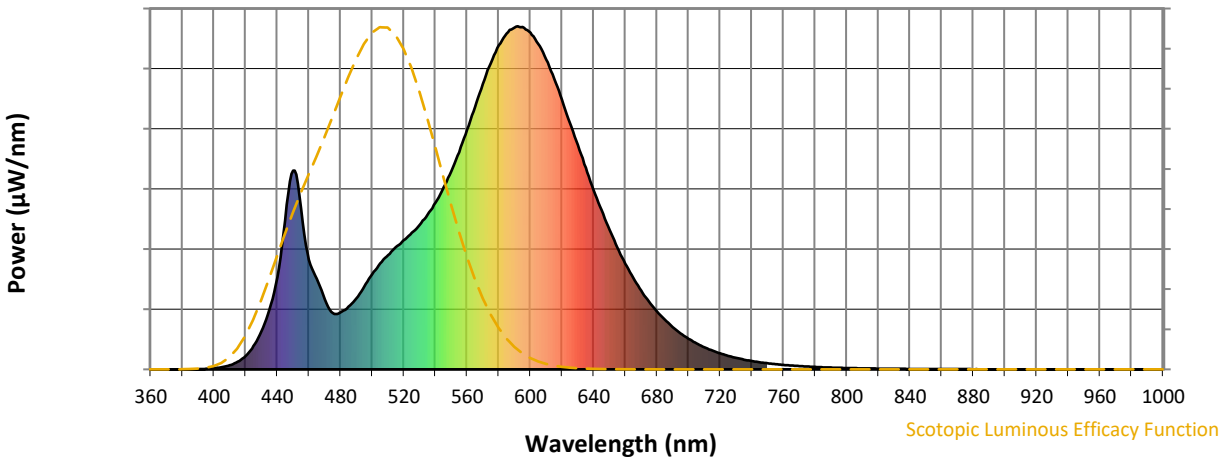


Photopic Lumens: NR

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Scotopic Flux vs. Wavelength

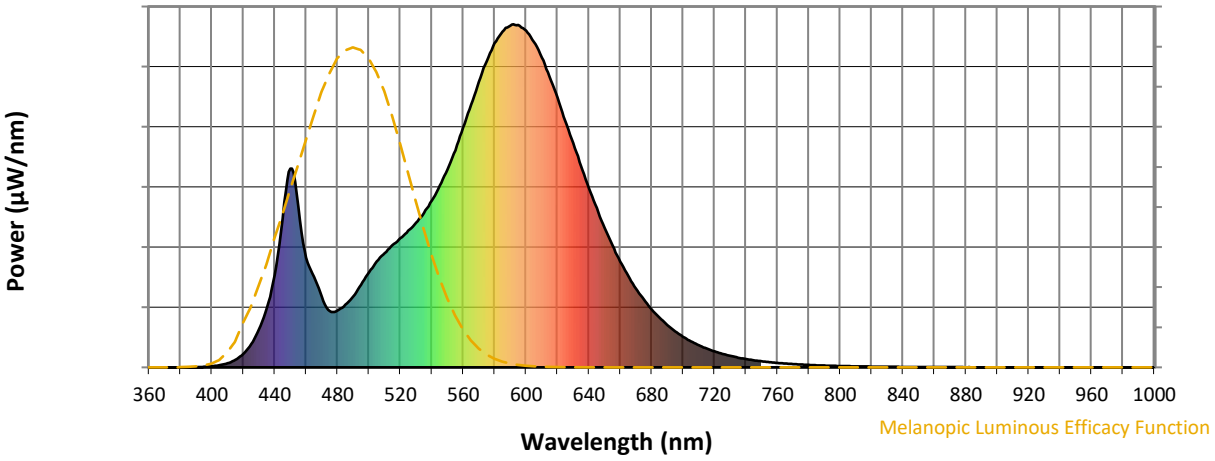


Scotopic Lumens: NR **S/P: 1.29**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.47**

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	207	NR	620	786	NR	750	18	NR	880	0	NR
365	0	NR	495	241	NR	625	718	NR	755	15	NR	885	0	NR
370	0	NR	500	277	NR	630	654	NR	760	13	NR	890	0	NR
375	0	NR	505	309	NR	635	588	NR	765	11	NR	895	0	NR
380	0	NR	510	333	NR	640	523	NR	770	10	NR	900	0	NR
385	0	NR	515	356	NR	645	465	NR	775	8	NR	905	0	NR
390	0	NR	520	376	NR	650	407	NR	780	7	NR	910	0	NR
395	2	NR	525	398	NR	655	356	NR	785	6	NR	915	0	NR
400	4	NR	530	422	NR	660	308	NR	790	5	NR	920	0	NR
405	6	NR	535	450	NR	665	267	NR	795	5	NR	925	0	NR
410	12	NR	540	486	NR	670	229	NR	800	4	NR	930	0	NR
415	22	NR	545	530	NR	675	197	NR	805	3	NR	935	0	NR
420	39	NR	550	577	NR	680	169	NR	810	3	NR	940	0	NR
425	68	NR	555	633	NR	685	145	NR	815	3	NR	945	0	NR
430	111	NR	560	700	NR	690	123	NR	820	2	NR	950	0	NR
435	175	NR	565	766	NR	695	105	NR	825	2	NR	955	0	NR
440	269	NR	570	832	NR	700	89	NR	830	2	NR	960	0	NR
445	434	NR	575	893	NR	705	76	NR	835	2	NR	965	0	NR
450	579	NR	580	945	NR	710	64	NR	840	1	NR	970	0	NR
455	468	NR	585	979	NR	715	55	NR	845	1	NR	975	0	NR
460	320	NR	590	996	NR	720	47	NR	850	1	NR	980	0	NR
465	264	NR	595	998	NR	725	40	NR	855	1	NR	985	0	NR
470	204	NR	600	981	NR	730	33	NR	860	1	NR	990	0	NR
475	164	NR	605	949	NR	735	28	NR	865	1	NR	995	0	NR
480	166	NR	610	903	NR	740	24	NR	870	1	NR	1000	0	NR
485	183	NR	615	847	NR	745	21	NR	875	1	NR			

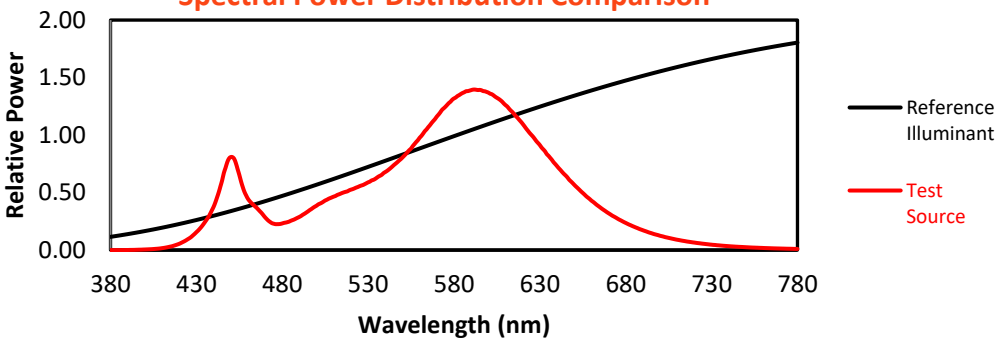
REPORT NUMBER: SP1-2501-332-4

TM-30-18

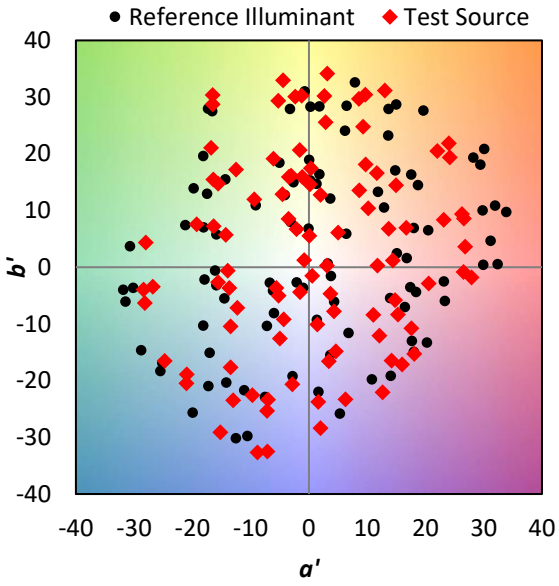
Summary

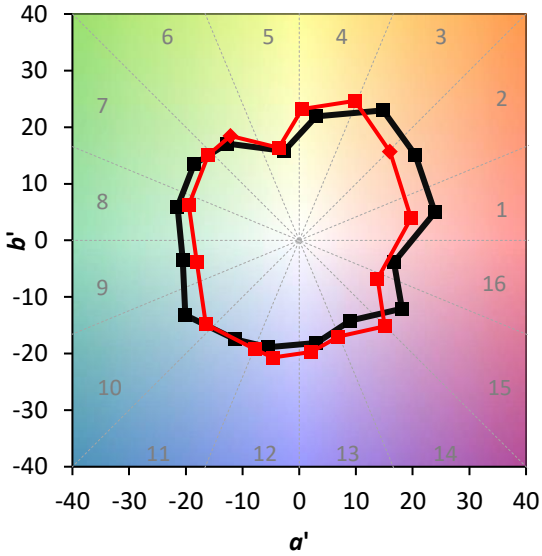
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R_g = 92.2
CIE R_a = 71.7
R_9 = -40.3

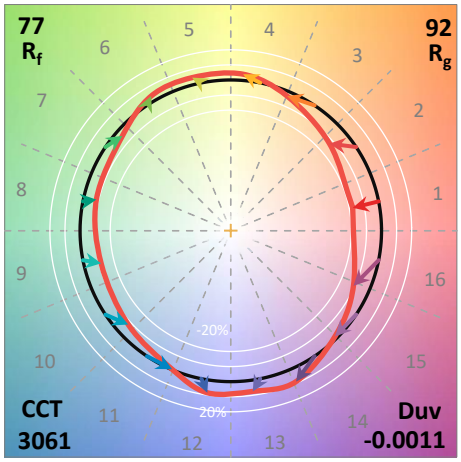
Spectral Power Distribution Comparison

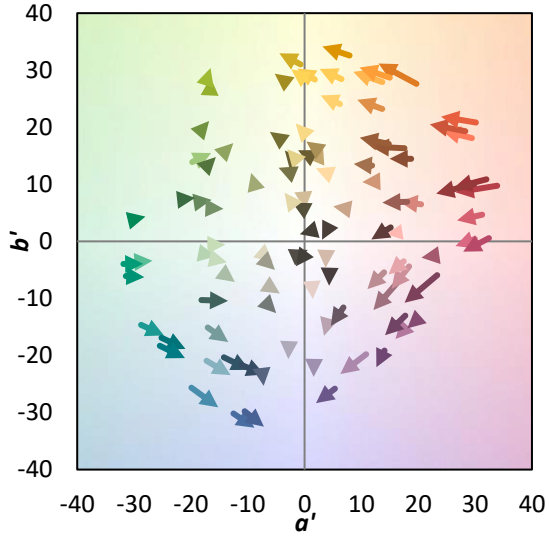


Color Vector Graphics







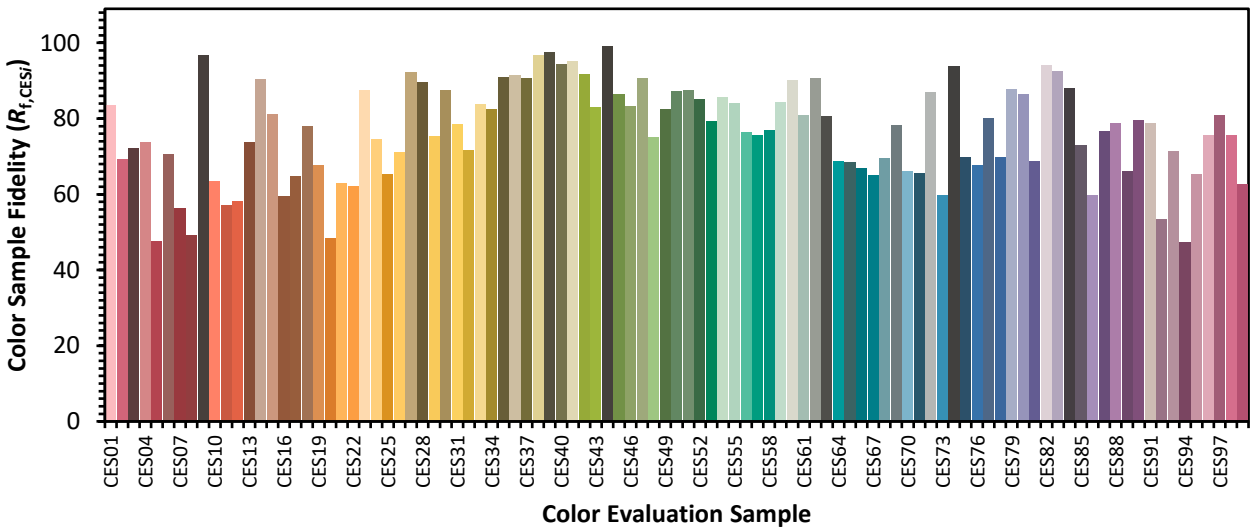


REPORT NUMBER: SP1-2501-332-4

TM-30-18

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

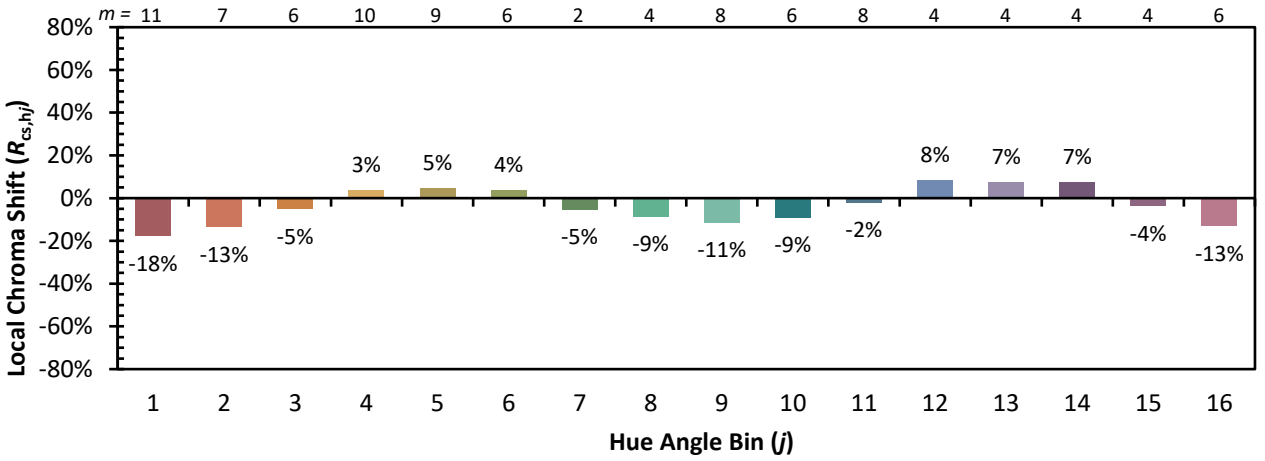
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CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 90	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 86	CES79 = 88
CES05 = 49	CES30 = 87	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 69
CES07 = 41	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 77	CES83 = 92
CES09 = 29	CES34 = 83	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 73
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 91	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 97	CES63 = 81	CES88 = 79
CES14 = 74	CES39 = 98	CES64 = 69	CES89 = 66
CES15 = 71	CES40 = 94	CES65 = 69	CES90 = 80
CES16 = 47	CES41 = 95	CES66 = 67	CES91 = 79
CES17 = 50	CES42 = 92	CES67 = 65	CES92 = 53
CES18 = 56	CES43 = 83	CES68 = 70	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 66	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 60	CES98 = 76
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 63
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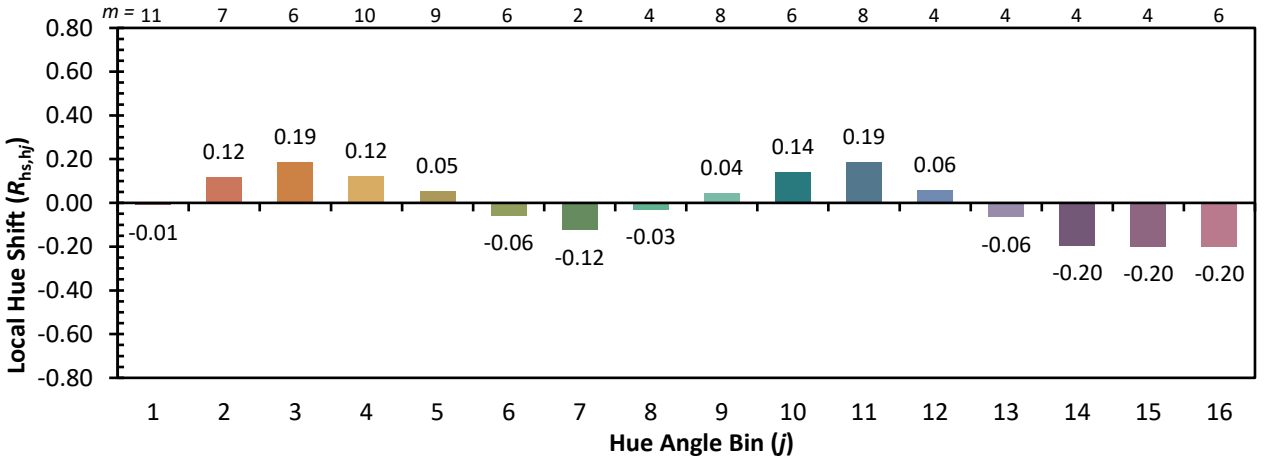


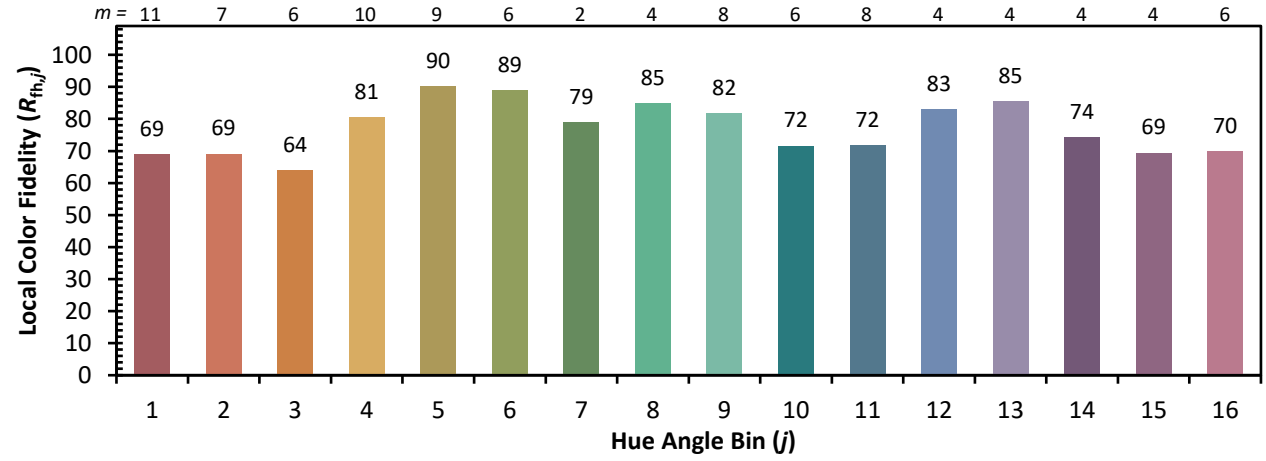
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Color Rendition by Hue-Angle Bin



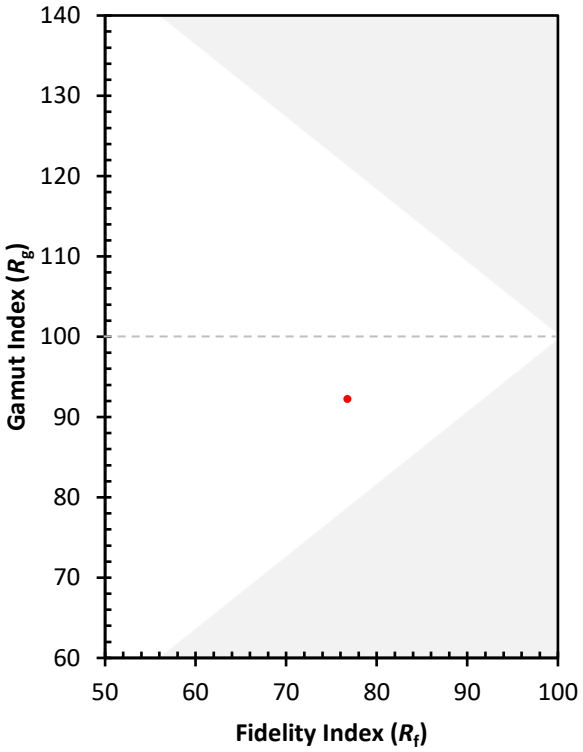


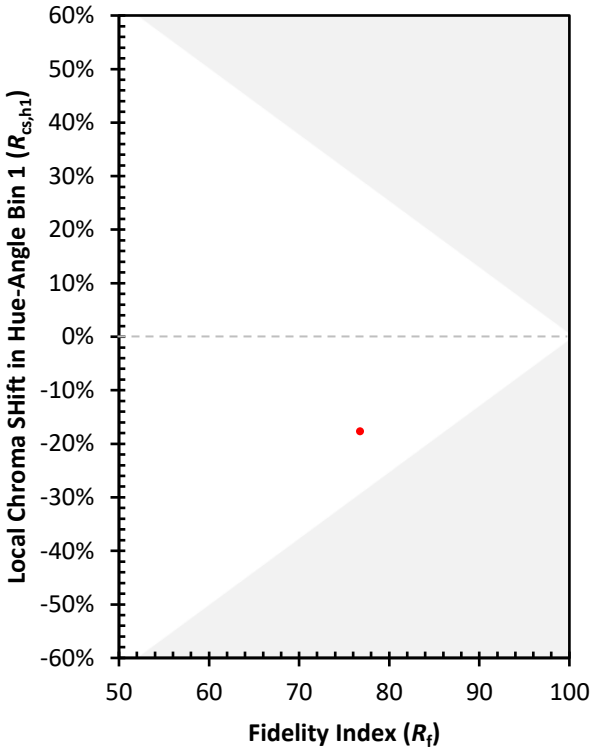


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Measure Comparisons





(END OF REPORT)