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: P1045959

Luminaire Tested: **FFX-CLB-80-722-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045959
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-722-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7295.5 lumens
Efficiency:	N/A
Efficacy:	89.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
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

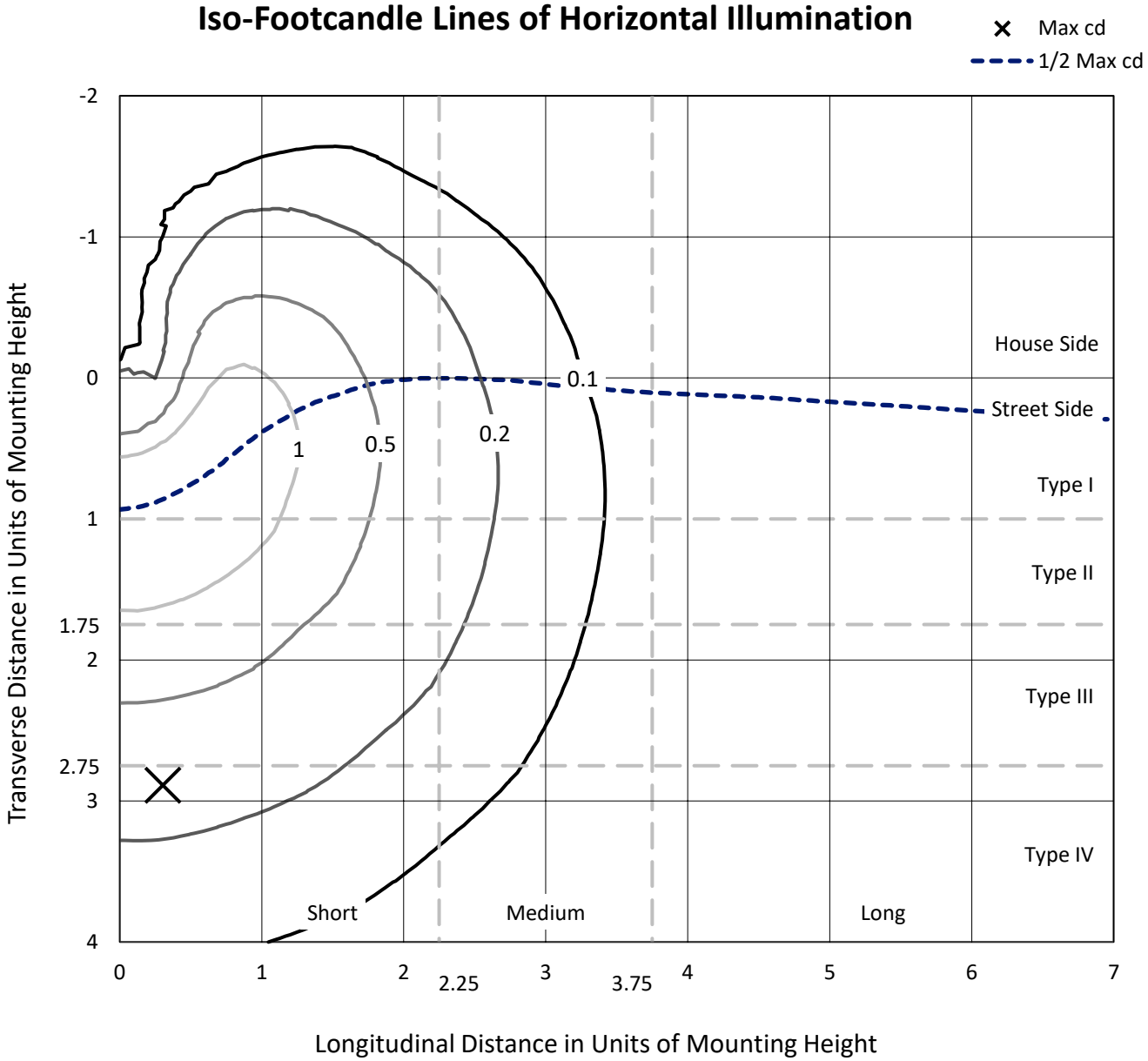


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Iso-Footcandle Lines of Horizontal Illumination



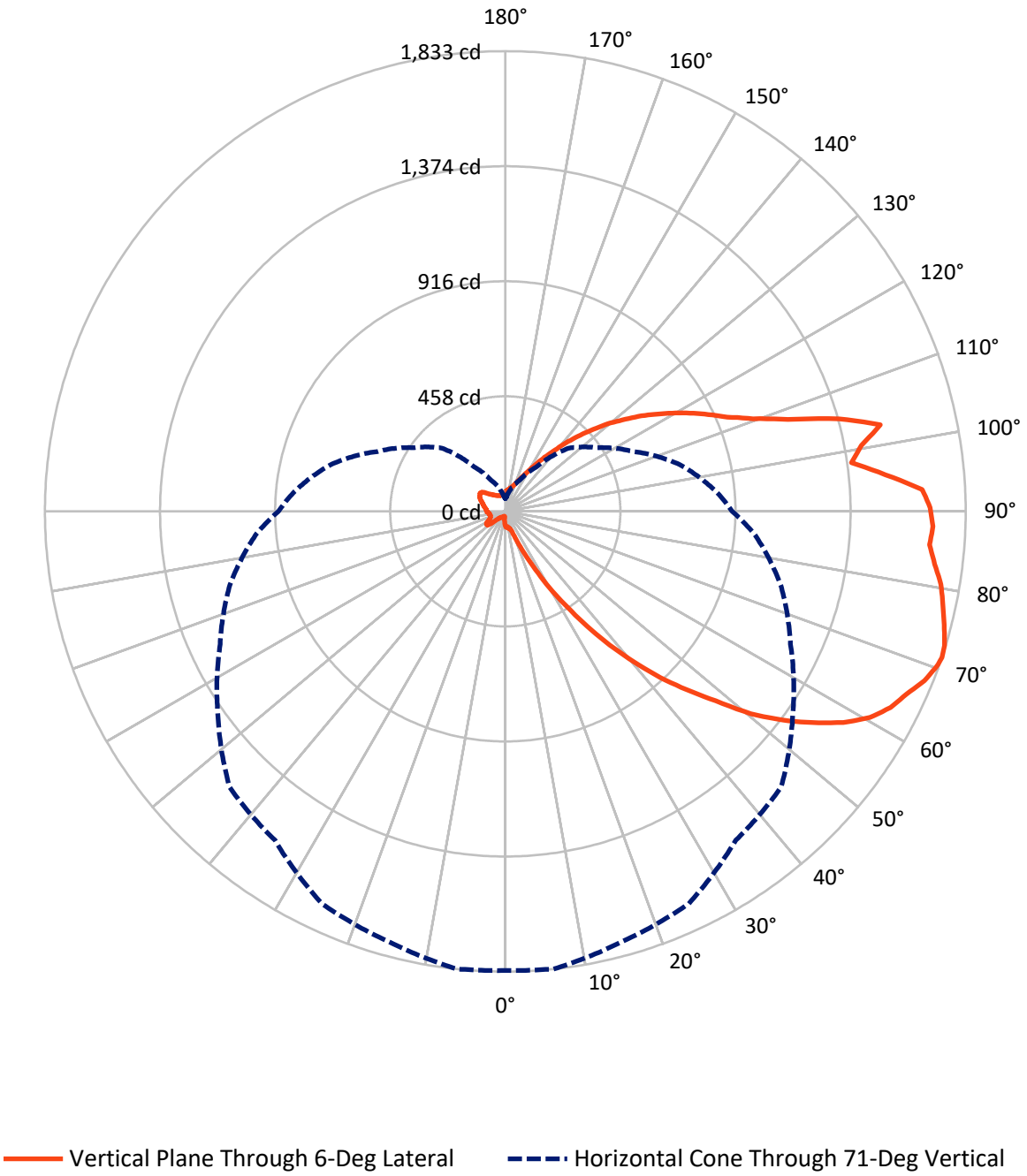
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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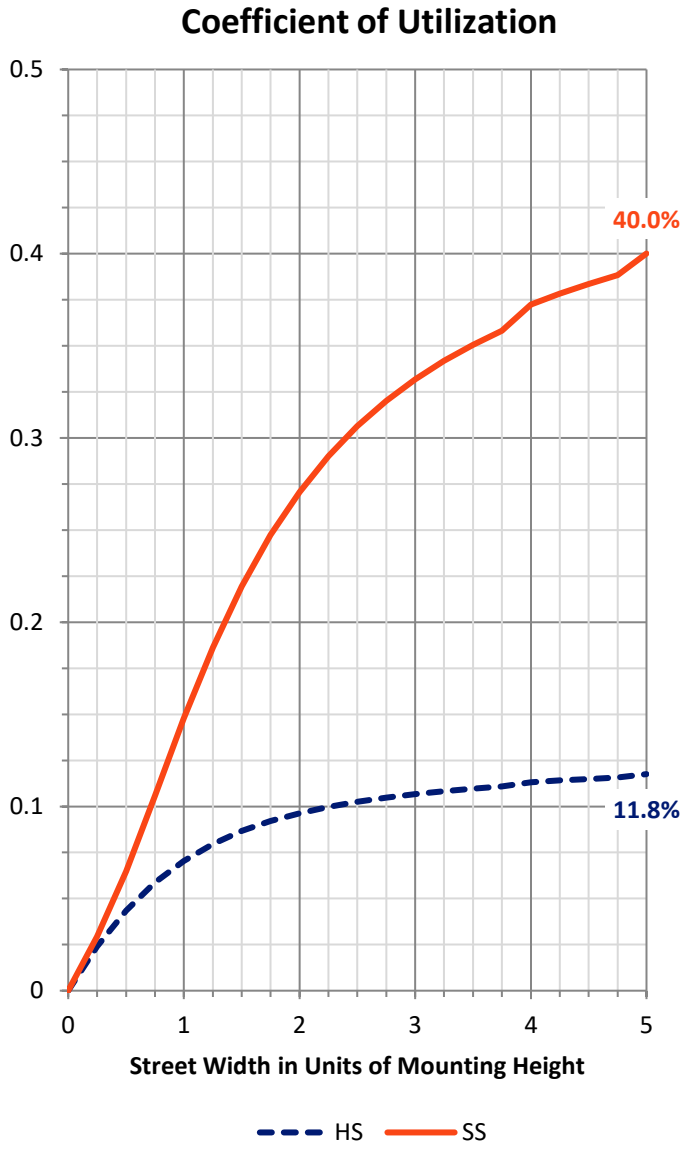
REPORT NUMBER: P1045959
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	936.8	742.9	1679.7
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3417.4	2198.4	5615.8
	% Fixture	46.8	30.1	77.0
Total	Lumens	4354.2	2941.3	7295.5
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	15.2	0.2
20°-30°	69.3	0.9
30°-40°	231.7	3.2
40°-50°	472.0	6.5
50°-60°	726.2	10.0
60°-70°	903.7	12.4
70°-80°	966.5	13.2
80°-90°	964.8	13.2
90°-100°	871.9	12.0
100°-110°	762.7	10.5
110°-120°	519.9	7.1
120°-130°	367.2	5.0
130°-140°	222.6	3.1
140°-150°	112.8	1.5
150°-160°	52.6	0.7
160°-170°	24.1	0.3
170°-180°	7.5	0.1
0°-90°	4354.2	59.7
0°-180°	7295.5	100.0



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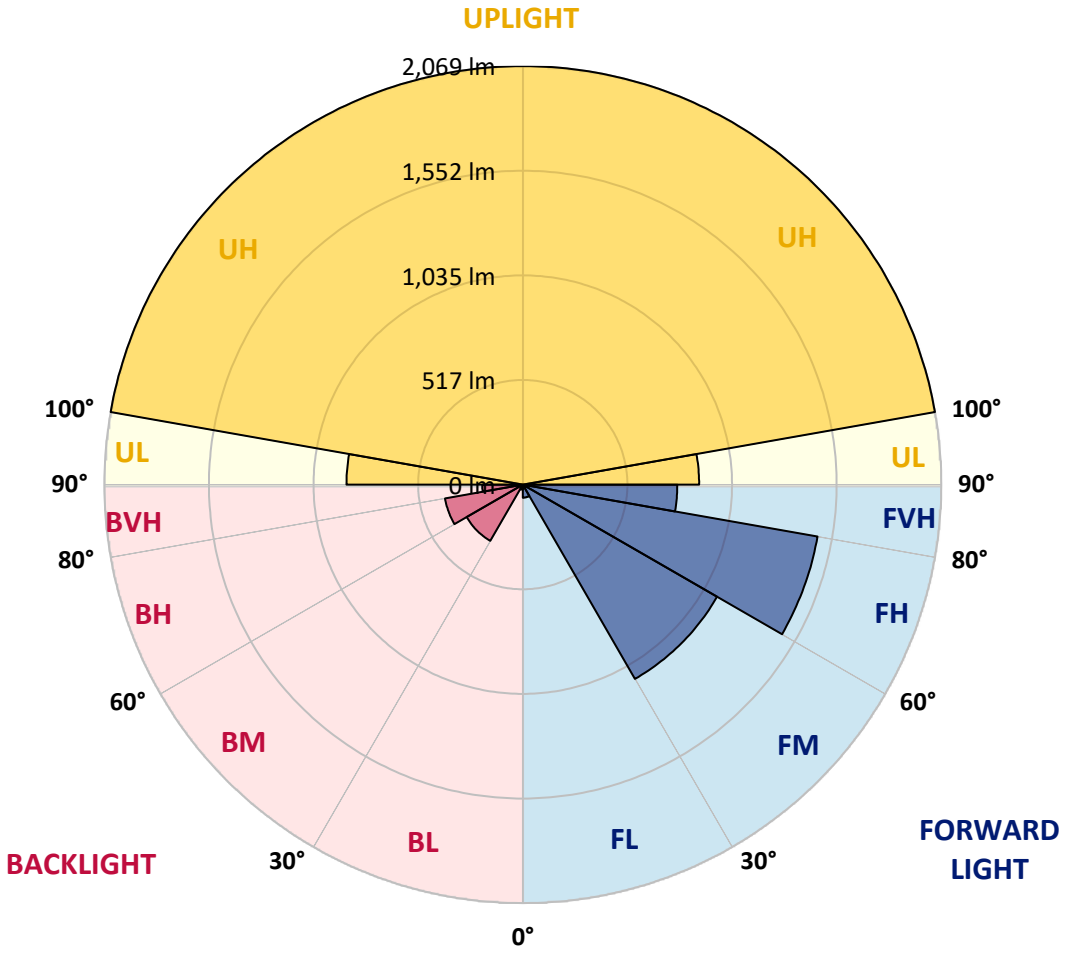
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	64.5	0.9			
FM	(30°-60°)	1109.1	15.2			
FH	(60°-80°)	1479.7	20.3			G1/1800
FVH	(80°-90°)	764.1	10.5			G5
BL	(0°-30°)	24.7	0.3	B0/110		
BM	(30°-60°)	320.8	4.4	B1/1000		
BH	(60°-80°)	390.5	5.4	B1/500		G1/500
BVH	(80°-90°)	200.7	2.8			G2/225
UL	(90°-100°)	871.9	12.0		U4/1000	
UH	(100°-180°)	2069.4	28.4		U5	

BUG Rating: B1-U5-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	59.4	59.4	*59.4*	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
2.5°	64.2	64.2	*64.2*	64.2	64.2	64.2	63.4	61.8	61.0	60.2	59.4
5°	61.0	61.0	*61.0*	61.0	61.0	61.0	61.0	60.2	59.4	57.8	56.3
7.5°	61.0	61.0	*61.0*	61.0	60.2	59.4	58.6	57.8	57.0	53.9	50.7
10°	66.5	67.3	*66.5*	66.5	64.2	61.8	60.2	57.8	56.3	54.7	50.7
12.5°	70.5	70.5	*70.5*	69.7	68.1	66.5	63.4	59.4	56.3	53.1	49.9
15°	72.9	72.9	*72.9*	72.9	71.3	68.9	66.5	63.4	60.2	56.3	52.3
17.5°	82.4	82.4	*82.4*	81.6	80.0	78.4	76.8	75.3	72.9	68.9	65.0
20°	108.5	110.9	*110.1*	107.7	106.2	104.6	105.4	103.8	102.2	96.7	90.3
22.5°	150.5	153.7	*152.9*	153.7	151.3	149.7	148.9	150.5	147.4	139.4	127.6
25°	211.5	211.5	*209.2*	215.5	216.3	208.4	209.9	209.2	206.8	192.5	173.5
27.5°	279.7	278.1	*277.3*	287.6	289.2	286.0	289.2	283.6	275.7	259.9	236.1
30°	358.9	365.2	*368.4*	370.0	374.7	377.9	381.9	377.1	355.7	336.7	303.4
32.5°	459.5	455.5	*454.8*	471.4	480.1	480.9	490.4	476.9	453.2	417.5	373.9
35°	570.4	560.9	*562.5*	572.8	587.1	597.4	604.5	578.3	553.8	507.0	450.0
37.5°	675.0	675.8	*675.0*	679.0	705.9	709.1	710.7	681.3	645.7	597.4	526.1
40°	782.0	783.5	*787.5*	800.2	828.7	823.2	810.5	784.3	738.4	683.7	599.7
42.5°	892.1	902.4	*904.8*	911.1	930.9	929.3	907.9	878.6	825.5	757.4	663.1
45°	1010.1	1008.5	*1012.5*	1021.2	1037.1	1037.1	999.0	956.3	898.4	821.6	720.2
47.5°	1121.8	1133.7	*1126.6*	1148.0	1140.1	1145.6	1080.6	1028.4	965.0	873.9	767.7
50°	1262.9	1269.2	*1266.8*	1264.4	1240.7	1240.7	1174.1	1103.6	1032.3	924.6	815.2
52.5°	1382.5	1384.9	*1380.9*	1371.4	1338.1	1327.0	1248.6	1167.0	1091.7	984.0	861.2
55°	1493.4	1477.6	*1484.7*	1469.6	1417.4	1405.5	1331.0	1215.3	1144.0	1026.8	900.8
57.5°	1575.0	1583.7	*1586.1*	1553.6	1501.3	1453.0	1403.1	1273.2	1183.6	1067.2	926.9
60°	1644.7	1668.5	*1666.9*	1617.8	1571.8	1485.5	1457.8	1323.9	1209.8	1102.8	955.5
62.5°	1697.0	1722.4	*1720.8*	1681.2	1640.0	1518.8	1487.9	1354.0	1225.6	1121.0	976.9
65°	1748.5	1760.4	*1754.9*	1739.0	1689.9	1549.7	1516.4	1367.4	1239.1	1129.0	984.8
67.5°	1800.8	1800.0	*1799.2*	1777.0	1724.0	1578.2	1539.4	1387.2	1252.6	1137.7	990.3
70°	1826.9	1828.5	*1827.7*	1781.0	1731.9	1597.2	1552.0	1397.5	1255.7	1137.7	995.1
71°	*1828.5*	*1830.9*	*1832.5*	*1776.2*	*1724.7*	*1598.8*	*1552.8*	*1397.5*	*1252.6*	*1135.3*	*992.7*
72.5°	1817.4	1829.3	*1827.7*	1764.4	1714.4	1596.4	1547.3	1391.2	1247.8	1125.8	985.6
75°	1792.9	1814.3	*1804.8*	1740.6	1688.3	1580.6	1532.2	1384.9	1235.9	1113.1	979.2
77.5°	1771.5	1796.1	*1780.2*	1720.8	1674.0	1569.5	1524.3	1386.5	1227.2	1105.2	976.9
80°	1757.2	1770.7	*1758.0*	1708.9	1662.2	1556.8	1518.8	1387.2	1224.8	1101.2	969.7
82.5°	1735.8	1730.3	*1721.6*	1682.8	1635.2	1533.8	1496.6	1374.6	1219.3	1093.3	961.8
85°	1716.8	1693.8	*1693.8*	1659.0	1610.7	1515.6	1470.4	1359.5	1209.8	1085.4	952.3
87.5°	1727.9	1697.0	*1703.4*	1670.1	1617.0	1518.0	1465.7	1357.9	1213.7	1087.0	946.7
90°	1716.8	1687.5	*1690.7*	1655.8	1594.0	1493.4	1430.0	1326.2	1188.4	1064.8	926.9
92.5°	1697.8	1666.9	*1662.2*	1626.5	1563.9	1468.8	1402.3	1305.6	1168.6	1047.4	919.8
95°	1551.2	1529.1	*1519.6*	1494.2	1445.9	1362.7	1310.4	1217.7	1081.4	970.5	860.4
97.5°	1400.7	1404.7	*1391.2*	1361.1	1308.0	1243.1	1185.2	1096.5	981.6	885.7	778.8
100°	1460.1	1454.6	*1441.1*	1400.7	1345.3	1272.4	1204.2	1118.7	1007.0	920.6	802.6
102.5°	1525.1	1537.8	*1532.2*	1481.5	1418.9	1360.3	1308.8	1223.2	1100.4	1009.3	883.4
105°	1347.6	1373.0	*1378.5*	1338.9	1293.0	1243.8	1198.7	1138.5	1032.3	938.8	839.8
107.5°	1174.9	1178.9	*1182.8*	1152.7	1129.8	1086.2	1041.0	986.4	905.6	834.2	737.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	1055.3	1059.3	*1052.9*	1040.2	1016.5	983.2	933.3	895.3	824.7	764.5	676.6
112.5°	960.2	964.2	*959.4*	943.6	922.2	896.0	843.8	812.1	751.9	695.6	616.4
115°	899.2	904.0	*896.0*	879.4	861.2	846.9	801.8	755.0	700.4	650.4	582.3
117.5°	841.4	850.9	*832.7*	827.9	814.4	800.2	748.7	707.5	660.0	614.8	560.1
120°	778.0	785.9	*770.9*	765.3	757.4	743.1	694.8	657.6	619.5	579.1	526.9
122.5°	727.3	716.2	*709.1*	709.1	699.6	690.1	640.1	609.2	579.1	545.1	491.2
125°	669.5	654.4	*651.2*	656.8	644.9	632.2	592.6	564.9	541.9	507.8	454.8
127.5°	604.5	590.2	*590.2*	592.6	585.5	572.8	546.7	523.7	509.4	473.0	419.9
130°	543.5	535.6	*537.2*	531.6	524.5	514.2	495.2	478.5	466.6	430.2	392.2
132.5°	470.6	479.3	*479.3*	469.8	468.2	460.3	445.2	437.3	419.1	389.0	357.3
135°	419.1	426.2	*425.4*	416.7	415.9	411.2	400.1	393.0	375.5	350.2	324.0
137.5°	375.5	375.5	*373.9*	368.4	365.2	364.4	354.1	347.0	330.4	312.9	291.6
140°	332.7	325.6	*323.2*	324.0	319.3	318.5	309.8	301.1	293.1	276.5	259.1
142.5°	288.4	283.6	*281.3*	278.1	276.5	274.1	268.6	261.4	253.5	242.4	226.6
145°	246.4	246.4	*244.8*	241.6	241.6	238.5	232.9	229.0	221.8	209.9	197.3
147.5°	213.9	211.5	*211.5*	210.7	208.4	206.8	202.0	196.5	191.7	182.2	170.3
150°	183.8	183.8	*182.2*	183.8	182.2	179.8	176.7	171.9	166.4	159.2	149.7
152.5°	160.0	160.8	*159.2*	161.6	160.0	158.5	154.5	151.3	145.0	138.6	132.3
155°	142.6	143.4	*142.6*	141.8	141.8	139.4	137.9	133.1	129.1	123.6	118.0
157.5°	126.8	127.6	*127.6*	127.6	127.6	125.2	122.0	118.8	115.7	110.9	106.2
160°	116.5	115.7	*115.7*	114.9	114.1	113.3	110.9	107.7	105.4	101.4	97.4
162.5°	106.2	106.2	*106.2*	105.4	104.6	103.8	102.2	99.0	96.7	93.5	90.3
165°	99.0	99.0	*99.0*	99.0	97.4	96.7	95.1	92.7	91.1	87.9	84.8
167.5°	94.3	94.3	*94.3*	93.5	92.7	91.9	91.1	88.7	87.1	84.8	82.4
170°	90.3	90.3	*90.3*	90.3	89.5	87.9	87.1	85.6	84.0	82.4	80.0
172.5°	86.4	86.4	*86.4*	86.4	85.6	85.6	84.8	83.2	82.4	80.0	79.2
175°	83.2	83.2	*83.2*	83.2	82.4	82.4	81.6	80.8	80.0	79.2	77.6
177.5°	80.8	80.8	*80.8*	80.8	80.0	80.0	80.0	79.2	78.4	77.6	77.6
180°	77.6	77.6	*77.6*	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
2.5°	59.4	59.4	57.8	57.0	56.3	54.7	53.1	50.7	50.7	50.7	49.9
5°	55.5	54.7	53.1	50.7	49.9	49.1	47.5	44.4	40.4	37.2	37.2
7.5°	51.5	47.5	43.6	42.0	39.6	35.7	31.7	26.9	21.4	20.6	20.6
10°	48.3	46.0	41.2	37.2	33.3	32.5	29.3	24.6	22.2	19.8	19.8
12.5°	47.5	46.0	40.4	35.7	30.9	28.5	26.1	23.8	21.4	19.8	19.8
15°	49.9	48.3	42.8	37.2	31.7	28.5	25.4	23.0	22.2	21.4	21.4
17.5°	62.6	60.2	52.3	43.6	36.4	31.7	27.7	25.4	24.6	23.8	23.8
20°	84.8	80.8	69.7	57.8	46.7	36.4	30.9	26.9	26.1	25.4	25.4
22.5°	120.4	113.3	94.3	76.1	59.4	46.0	35.7	28.5	26.1	25.4	25.4
25°	164.0	154.5	126.8	99.8	75.3	58.6	43.6	32.5	26.1	24.6	24.6
27.5°	221.8	205.2	168.0	133.9	100.6	74.5	54.7	38.8	28.5	24.6	23.8
30°	282.8	262.2	214.7	169.5	127.6	93.5	67.3	46.7	32.5	24.6	23.8
32.5°	349.4	321.7	269.4	213.1	158.5	115.7	82.4	54.7	37.2	26.1	24.6
35°	417.5	386.6	321.7	259.1	190.1	137.9	98.2	63.4	40.4	27.7	26.1
37.5°	486.4	451.6	381.1	300.3	221.0	160.8	114.1	72.9	43.6	29.3	27.7
40°	555.4	513.4	435.7	339.1	251.1	183.8	129.1	80.8	46.0	31.7	30.9
42.5°	609.2	566.5	480.9	371.6	282.8	204.4	144.2	87.1	48.3	35.7	34.1
45°	658.4	613.2	518.9	400.9	307.4	229.0	161.6	97.4	53.1	40.4	38.8
47.5°	708.3	663.9	558.5	429.4	331.2	253.5	182.2	108.5	65.8	52.3	51.5
50°	751.9	702.7	601.3	468.2	361.3	276.5	203.6	122.0	77.6	76.1	76.8
52.5°	793.8	744.7	637.8	496.7	381.9	304.2	224.2	127.6	87.9	89.5	91.1
55°	840.6	783.5	667.1	518.9	393.8	322.4	236.1	132.3	97.4	91.1	89.5
57.5°	872.3	806.5	690.8	543.5	406.4	333.5	236.9	137.9	105.4	87.9	85.6
60°	893.7	819.2	703.5	557.0	423.9	343.8	234.5	138.6	110.1	80.8	73.7
62.5°	907.9	835.8	714.6	560.1	437.3	351.8	233.7	135.5	108.5	72.1	66.5
65°	914.3	850.1	724.9	561.7	439.7	357.3	233.7	133.9	106.2	63.4	57.0
67.5°	914.3	854.8	728.9	564.9	438.1	358.9	226.6	138.6	103.0	60.2	52.3
70°	909.5	852.5	723.3	564.1	441.3	357.3	218.7	138.6	98.2	60.2	49.9
71°	*903.2*	*847.7*	*719.4*	*563.3*	*442.1*	*355.7*	*215.5*	*137.9*	*95.9*	*58.6*	*50.7*
72.5°	894.5	840.6	712.2	561.7	439.7	351.0	209.2	138.6	93.5	57.8	51.5
75°	885.0	835.0	706.7	555.4	438.9	343.8	198.1	136.3	92.7	58.6	53.1
77.5°	881.8	835.8	703.5	553.8	438.9	339.9	190.1	134.7	91.1	59.4	56.3
80°	874.7	834.2	697.2	549.8	437.3	332.7	187.8	134.7	89.5	60.2	57.8
82.5°	867.5	830.3	691.6	545.9	435.0	323.2	185.4	133.9	87.9	62.6	61.0
85°	861.2	829.5	691.6	543.5	434.2	317.7	184.6	133.1	87.1	65.0	63.4
87.5°	861.2	833.5	698.8	549.8	441.3	317.7	187.8	134.7	87.9	68.1	67.3
90°	845.3	816.0	687.7	545.9	443.7	318.5	190.9	138.6	91.1	71.3	69.7
92.5°	840.6	808.1	684.5	549.8	446.8	318.5	194.9	142.6	93.5	72.9	71.3
95°	788.3	751.9	644.1	522.1	427.0	309.8	196.5	141.8	95.1	73.7	72.9
97.5°	715.4	675.8	574.4	464.3	377.9	278.1	179.1	133.1	94.3	76.1	74.5
100°	740.0	693.2	587.1	472.2	371.6	272.5	175.9	129.1	96.7	79.2	77.6
102.5°	808.1	757.4	645.7	522.9	404.8	301.1	196.5	137.1	101.4	83.2	80.8
105°	767.7	711.4	623.5	506.3	394.5	301.1	197.3	139.4	106.2	86.4	84.8
107.5°	678.2	625.9	549.0	450.8	361.3	278.1	187.0	135.5	110.1	90.3	87.9

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

Scaled Data Report

REPORT NUMBER: P1045959
CATALOG NUMBER: FFX-CLB-80-722-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	626.7	570.4	499.9	411.2	335.9	258.3	179.8	133.1	112.5	95.1	91.9
112.5°	572.0	523.7	455.5	377.9	312.9	238.5	175.1	132.3	114.1	99.8	96.7
115°	541.1	491.2	432.6	357.3	297.9	232.1	173.5	136.3	119.6	106.2	103.0
117.5°	514.2	473.0	420.7	341.5	287.6	229.8	176.7	141.0	123.6	111.7	107.7
120°	486.4	448.4	400.9	328.8	278.9	221.8	177.5	143.4	126.8	116.5	114.1
122.5°	469.8	427.0	380.3	317.7	268.6	216.3	176.7	146.6	127.6	118.8	118.8
125°	438.9	404.8	358.1	303.4	253.5	213.1	176.7	145.0	129.9	122.0	120.4
127.5°	404.8	382.7	335.9	287.6	243.2	205.2	171.9	145.0	129.1	122.0	122.0
130°	373.2	353.3	315.3	266.2	233.7	194.1	164.8	137.9	124.4	119.6	119.6
132.5°	337.5	324.8	289.2	245.6	214.7	180.6	155.3	127.6	116.5	112.5	112.5
135°	305.0	293.1	259.9	223.4	195.7	168.0	144.2	120.4	107.0	102.2	102.2
137.5°	274.9	263.8	234.5	203.6	178.3	155.3	133.1	113.3	99.8	94.3	95.1
140°	244.0	230.5	210.7	184.6	161.6	143.4	122.0	106.2	93.5	88.7	87.9
142.5°	216.3	206.0	187.8	165.6	145.8	131.5	112.5	99.0	88.7	84.0	83.2
145°	190.9	182.2	166.4	148.2	132.3	118.8	103.8	92.7	84.0	80.0	79.2
147.5°	164.0	158.5	146.6	132.3	118.8	107.0	96.7	86.4	80.8	76.1	75.3
150°	144.2	140.2	130.7	118.8	108.5	99.0	91.1	81.6	76.8	73.7	72.9
152.5°	128.3	124.4	116.5	107.7	99.0	91.9	84.8	78.4	73.7	71.3	70.5
155°	114.9	111.7	105.4	98.2	91.1	84.8	79.2	74.5	71.3	68.9	68.9
157.5°	104.6	101.4	96.7	90.3	84.8	79.2	75.3	71.3	69.7	67.3	67.3
160°	95.9	93.5	89.5	84.0	79.2	75.3	72.1	68.9	68.1	66.5	66.5
162.5°	88.7	87.1	83.2	79.2	76.1	72.9	70.5	68.1	66.5	65.8	65.8
165°	84.0	82.4	80.0	76.8	73.7	71.3	69.7	67.3	66.5	66.5	65.8
167.5°	81.6	80.0	77.6	74.5	72.1	71.3	69.7	68.1	67.3	67.3	66.5
170°	79.2	78.4	76.8	74.5	72.1	71.3	70.5	68.9	68.9	68.1	68.1
172.5°	78.4	77.6	76.1	74.5	72.9	72.1	71.3	70.5	70.5	70.5	69.7
175°	77.6	77.6	76.1	74.5	73.7	73.7	72.9	72.1	72.1	72.1	72.1
177.5°	77.6	76.8	76.8	76.1	75.3	75.3	75.3	74.5	74.5	74.5	74.5
180°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6

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: SP1-2501-332-2

Test Date: 03/20/2025

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: v7.04

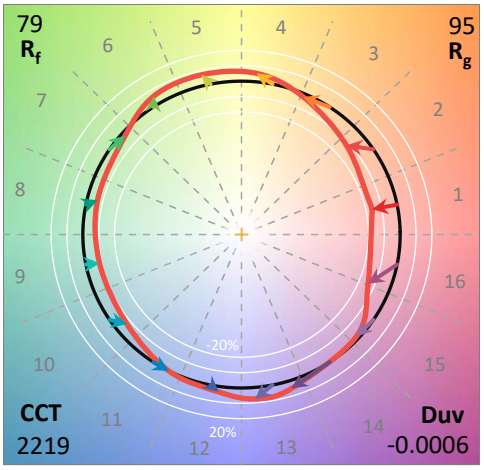
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-2
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-100-722-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2219
CIE u':	0.2889
CIE v':	0.5348
Duv:	-0.0006
CIE x:	0.5023
CIE y:	0.4133
CIE z:	0.0844
Peak Wavelength (nm):	606
Dominant Wavelength (nm):	587
Purity:	74.84521
Rf:	78.8
Rg:	94.5

CRI (Ra):	73.3
R1:	71.2
R2:	89.1
R3:	88.3
R4:	68.0
R5:	71.8
R6:	89.6
R7:	71.4
R8:	37.3
R9:	-25.6
R10:	78.7
R11:	66.6
R12:	77.1
R13:	75.0
R14:	93.9
R15:	61.0



Test Conditions

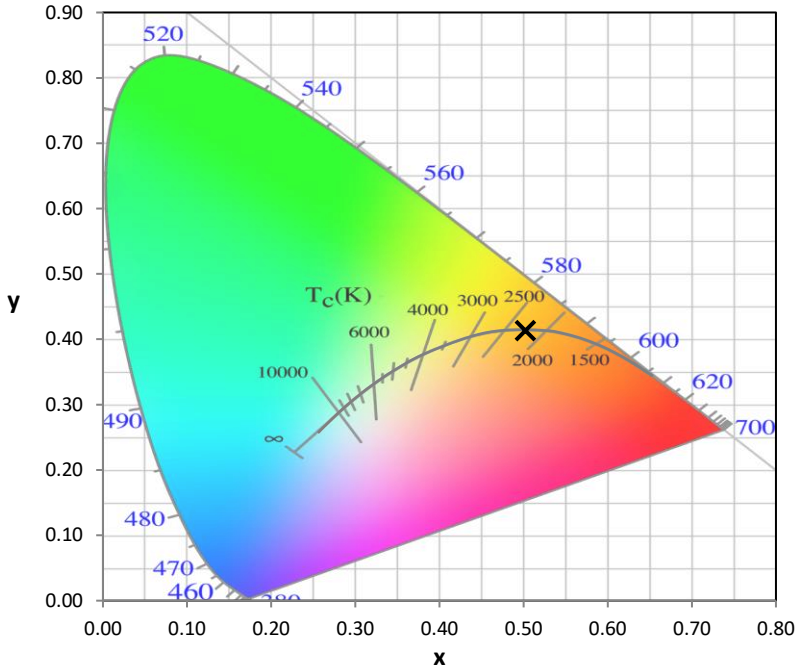
Stabilization Time:	61M
Operation Time:	2H 1M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-2

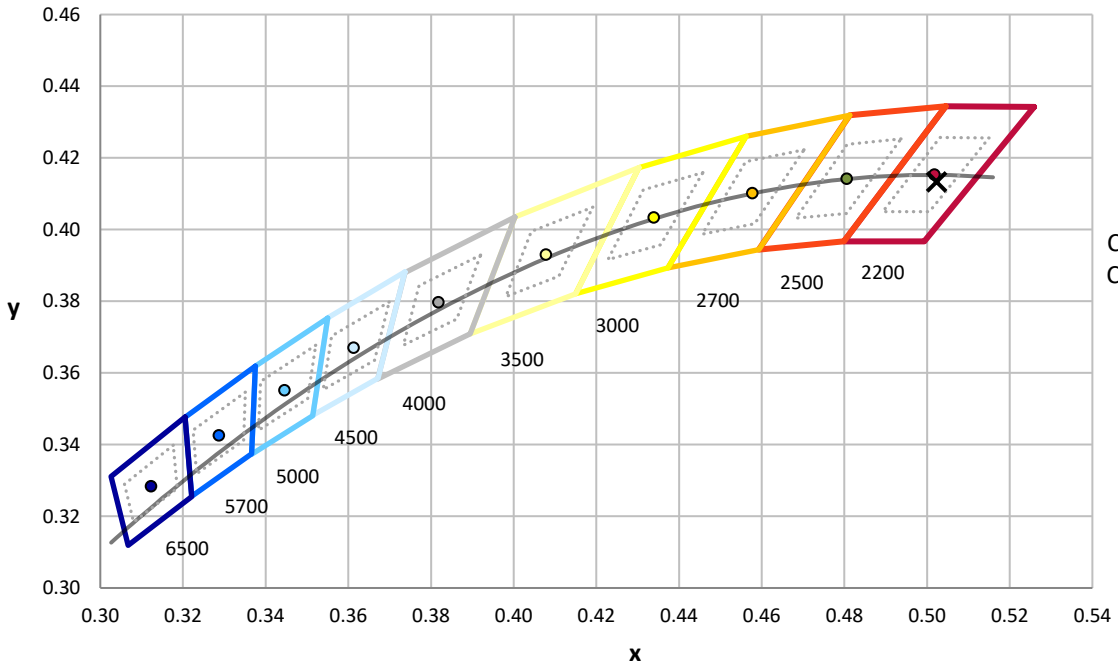
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-2

CIE 1931 Chromaticity Diagram



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

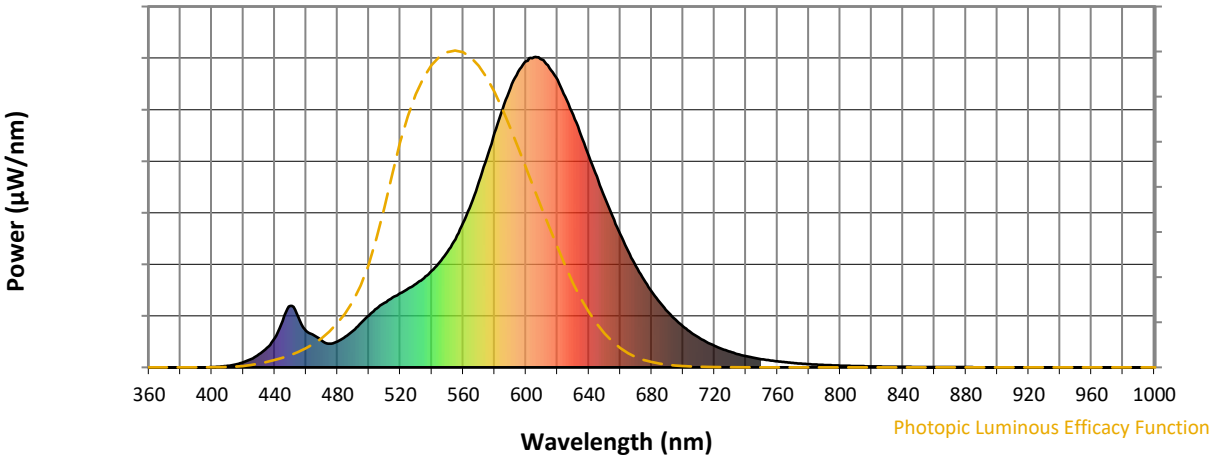


CCT = 2219K
CIE x = 0.5023
CIE y = 0.4133
Duv = -0.0006

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-2

Photopic Flux vs. Wavelength

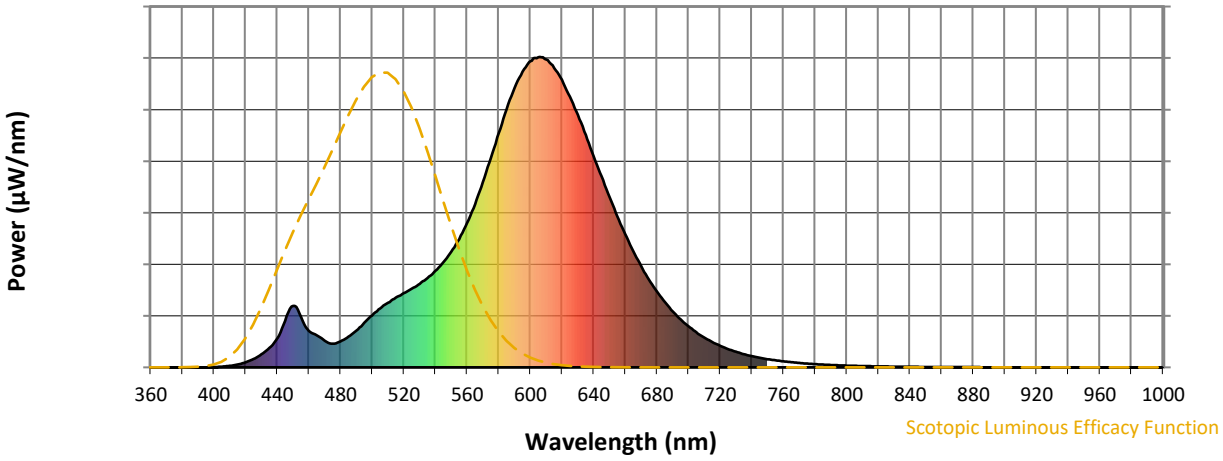


Photopic Lumens: NR

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Scotopic Flux vs. Wavelength

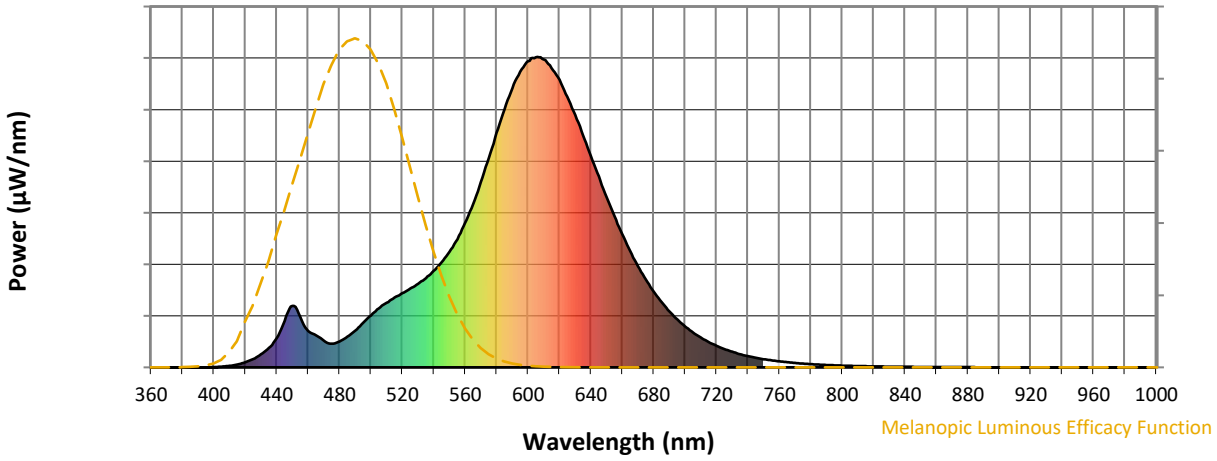


Scotopic Lumens: NR **S/P: 0.94**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.65**

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	118	NR	620	926	NR	750	26	NR	880	1	NR
365	0	NR	495	143	NR	625	872	NR	755	23	NR	885	1	NR
370	0	NR	500	167	NR	630	813	NR	760	19	NR	890	0	NR
375	0	NR	505	190	NR	635	748	NR	765	17	NR	895	0	NR
380	0	NR	510	208	NR	640	681	NR	770	14	NR	900	0	NR
385	0	NR	515	224	NR	645	616	NR	775	12	NR	905	0	NR
390	0	NR	520	239	NR	650	548	NR	780	10	NR	910	0	NR
395	0	NR	525	254	NR	655	486	NR	785	9	NR	915	0	NR
400	1	NR	530	269	NR	660	429	NR	790	8	NR	920	0	NR
405	2	NR	535	288	NR	665	375	NR	795	7	NR	925	0	NR
410	5	NR	540	311	NR	670	326	NR	800	6	NR	930	0	NR
415	10	NR	545	339	NR	675	282	NR	805	5	NR	935	0	NR
420	16	NR	550	372	NR	680	245	NR	810	4	NR	940	0	NR
425	27	NR	555	413	NR	685	210	NR	815	4	NR	945	0	NR
430	42	NR	560	466	NR	690	180	NR	820	3	NR	950	0	NR
435	63	NR	565	526	NR	695	154	NR	825	3	NR	955	0	NR
440	94	NR	570	597	NR	700	132	NR	830	2	NR	960	0	NR
445	150	NR	575	674	NR	705	113	NR	835	2	NR	965	0	NR
450	198	NR	580	756	NR	710	96	NR	840	2	NR	970	0	NR
455	162	NR	585	831	NR	715	82	NR	845	2	NR	975	0	NR
460	117	NR	590	900	NR	720	69	NR	850	1	NR	980	0	NR
465	103	NR	595	952	NR	725	59	NR	855	1	NR	985	0	NR
470	85	NR	600	987	NR	730	50	NR	860	1	NR	990	0	NR
475	76	NR	605	999	NR	735	43	NR	865	1	NR	995	0	NR
480	84	NR	610	991	NR	740	36	NR	870	1	NR	1000	0	NR
485	98	NR	615	964	NR	745	31	NR	875	1	NR			

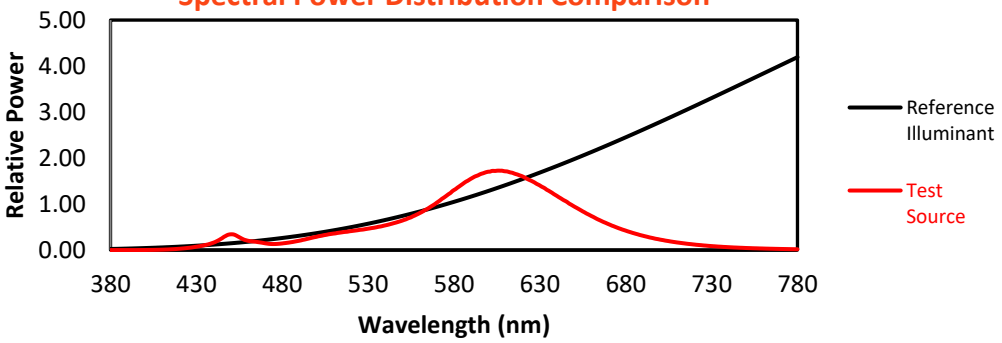
REPORT NUMBER: SP1-2501-332-2

TM-30-18

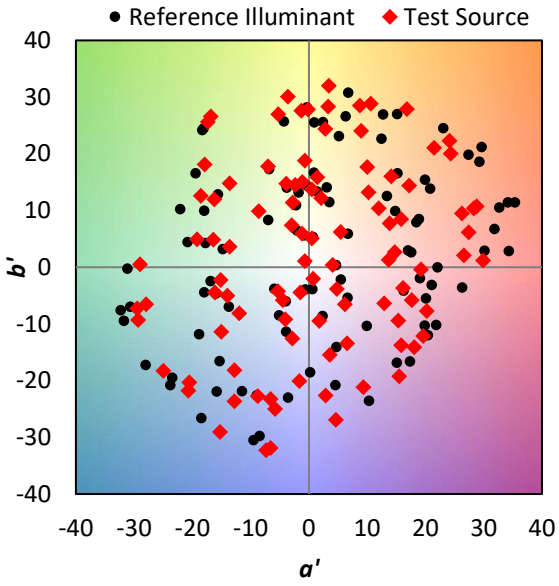
Summary

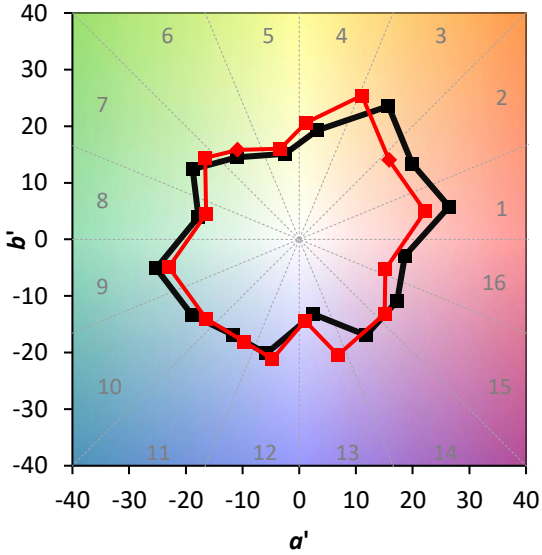
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R_g = 94.5
CIE R_a = 73.3
R_9 = -25.6

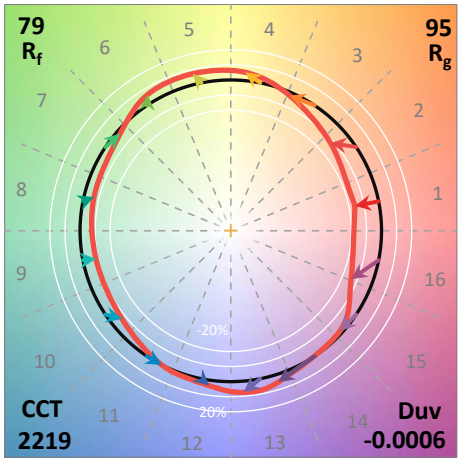
Spectral Power Distribution Comparison

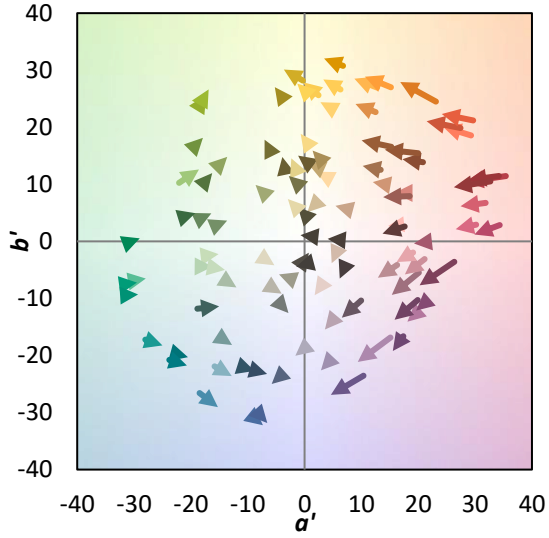


Color Vector Graphics







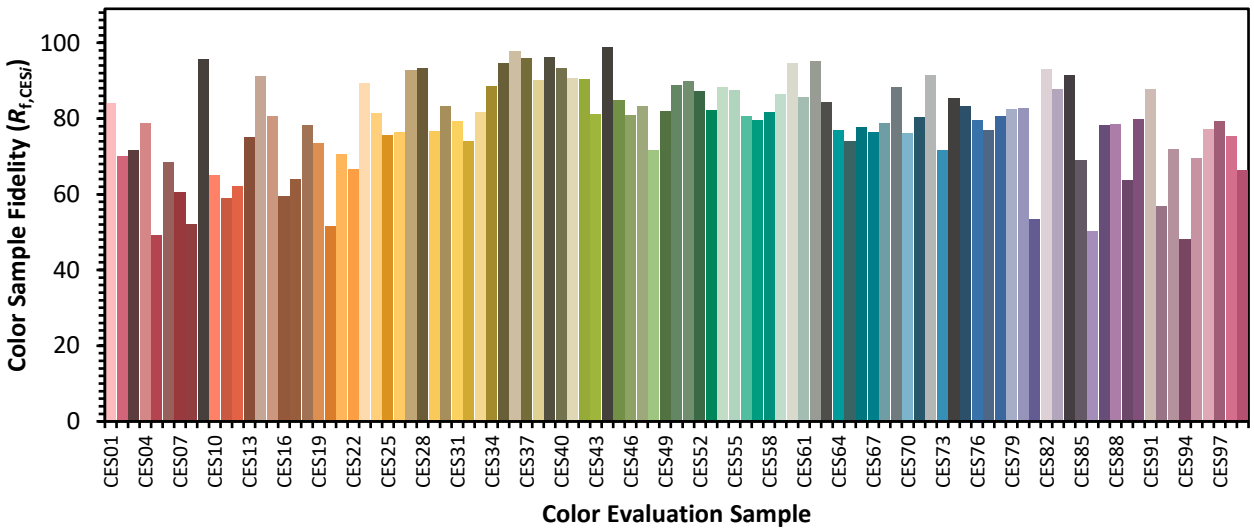


REPORT NUMBER: SP1-2501-332-2

TM-30-18

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

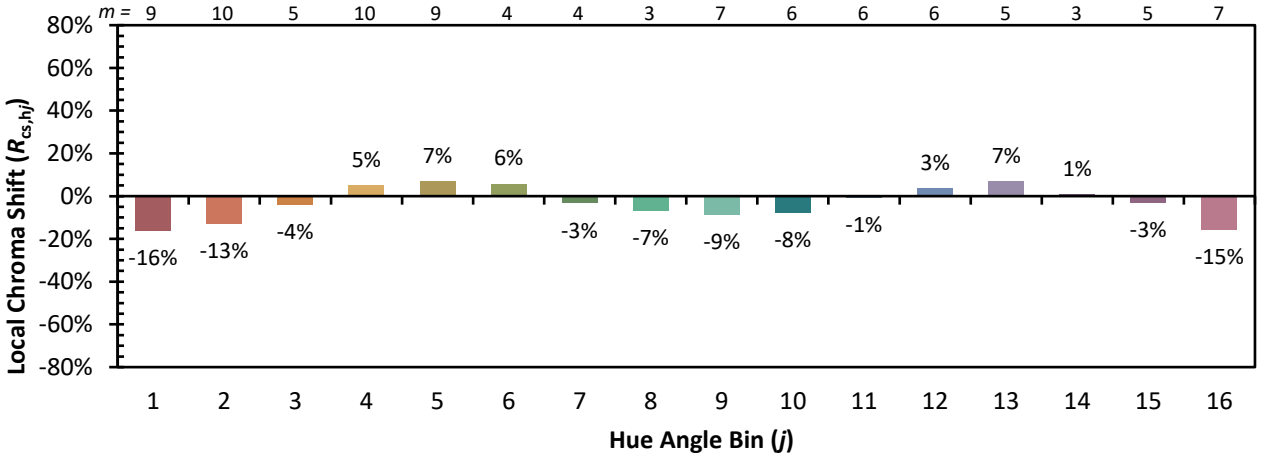
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CES02 = 65	CES27 = 93	CES52 = 87	CES77 = 77
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 81
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 83
CES05 = 52	CES30 = 83	CES55 = 88	CES80 = 83
CES06 = 52	CES31 = 79	CES56 = 81	CES81 = 53
CES07 = 44	CES32 = 74	CES57 = 80	CES82 = 93
CES08 = 42	CES33 = 82	CES58 = 82	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 87	CES84 = 91
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 69
CES11 = 62	CES36 = 98	CES61 = 86	CES86 = 50
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 78
CES13 = 45	CES38 = 90	CES63 = 84	CES88 = 79
CES14 = 75	CES39 = 96	CES64 = 77	CES89 = 64
CES15 = 72	CES40 = 93	CES65 = 74	CES90 = 80
CES16 = 49	CES41 = 91	CES66 = 78	CES91 = 88
CES17 = 51	CES42 = 90	CES67 = 77	CES92 = 57
CES18 = 57	CES43 = 81	CES68 = 79	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 80	CES96 = 77
CES22 = 81	CES47 = 83	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 72	CES73 = 72	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 66
CES25 = 73	CES50 = 89	CES75 = 83	

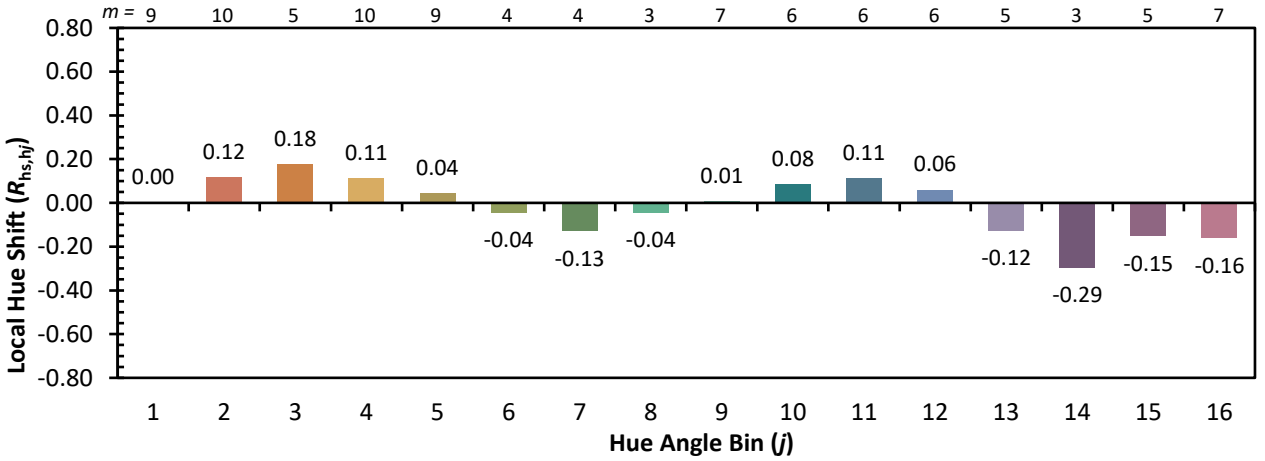


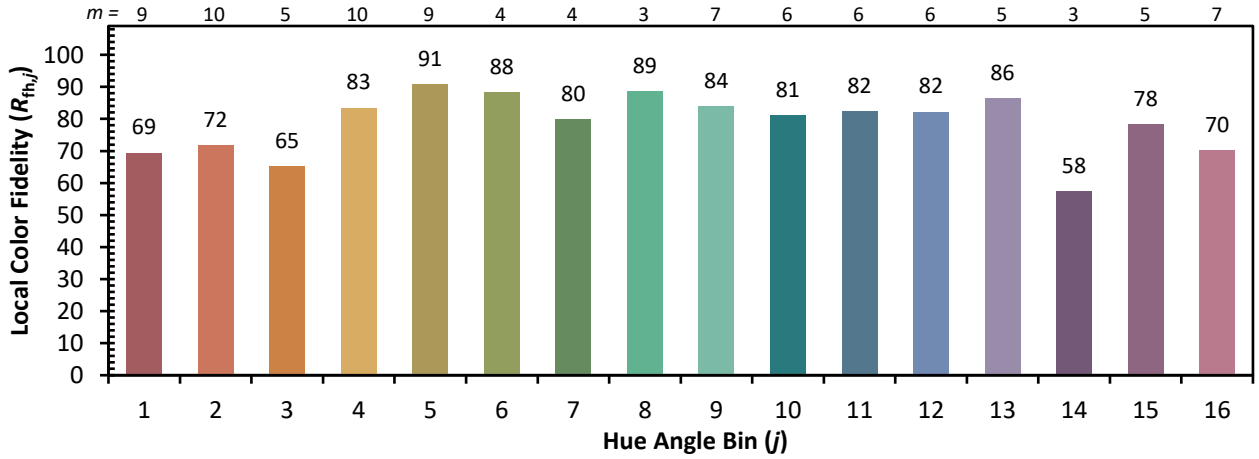
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Color Rendition by Hue-Angle Bin



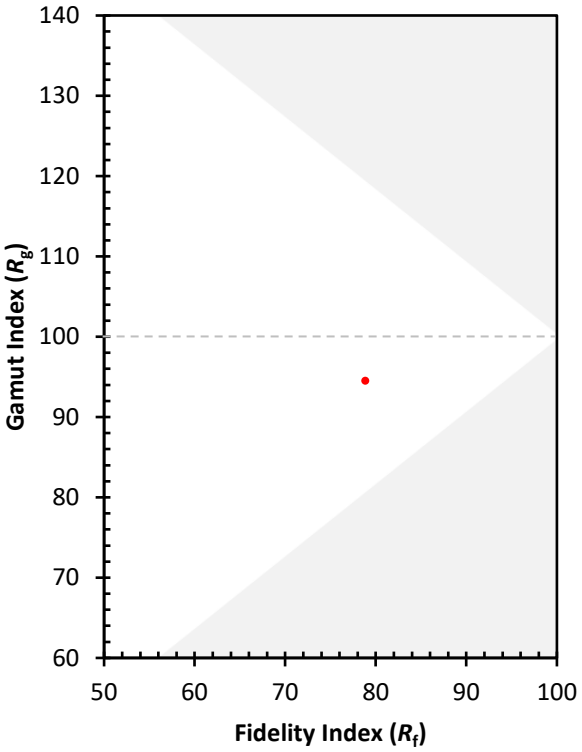


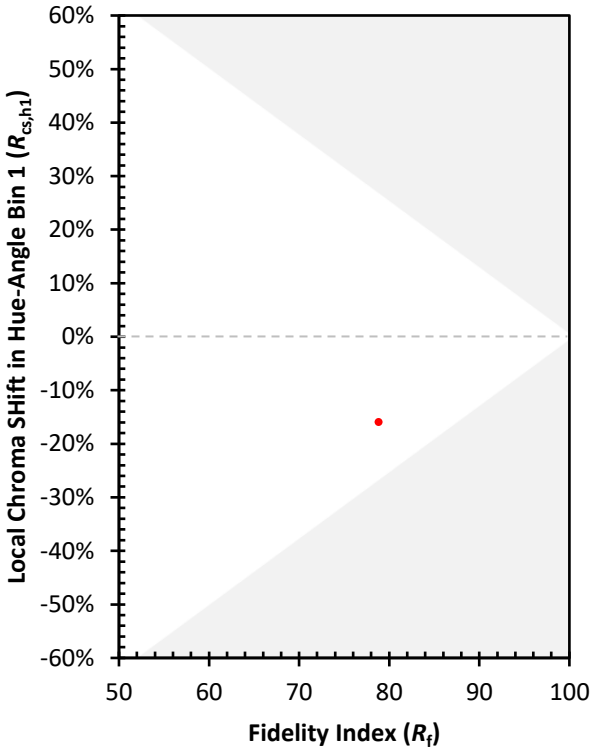


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Measure Comparisons





(END OF REPORT)