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: P1045852

Luminaire Tested: **FFX-CLB-70-740-U-VM8-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045852
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-70-740-U-VM8-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7949.8 lumens
Efficiency:	N/A
Efficacy:	111.7 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	71.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.93%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

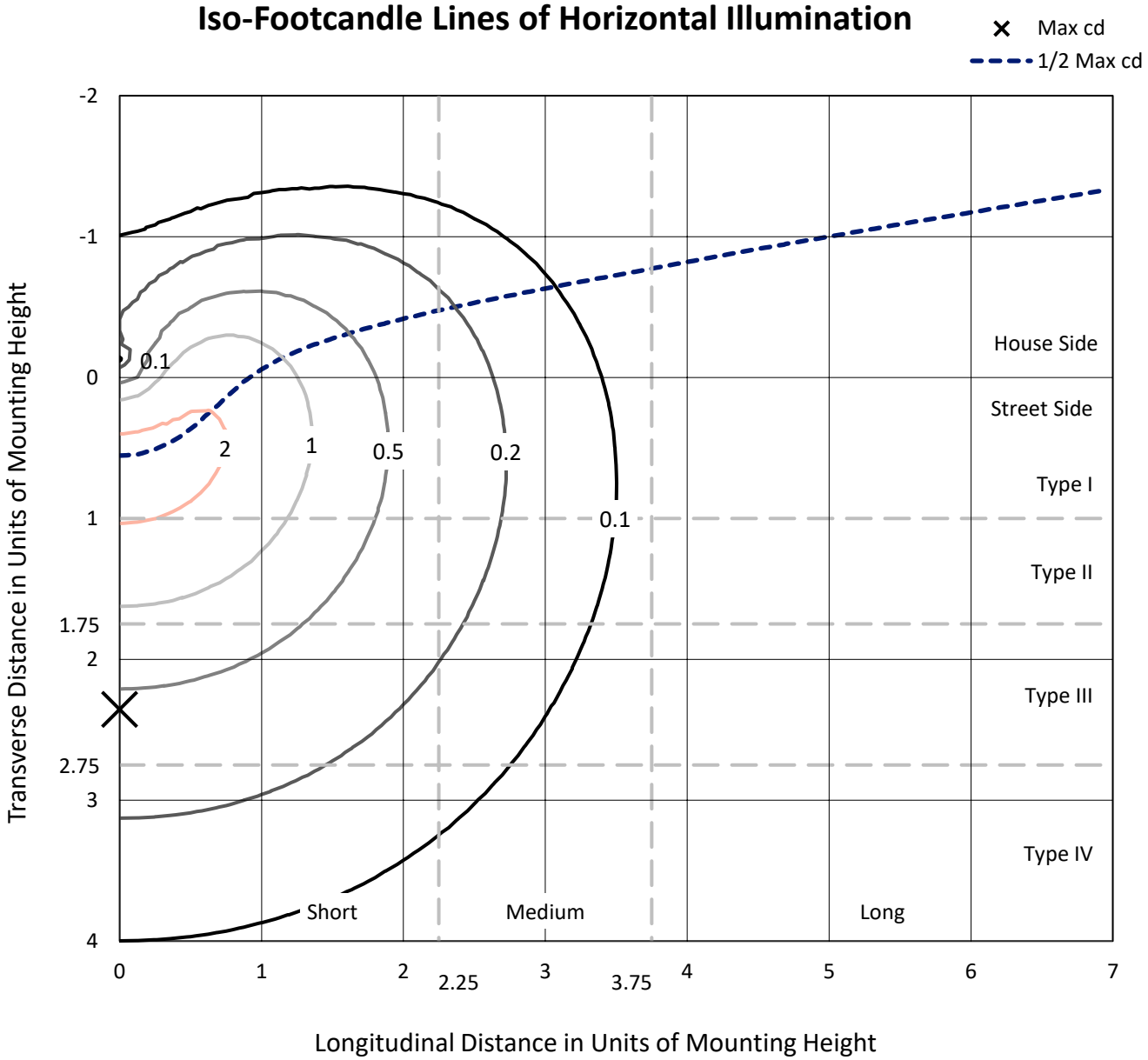


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Iso-Footcandle Lines of Horizontal Illumination



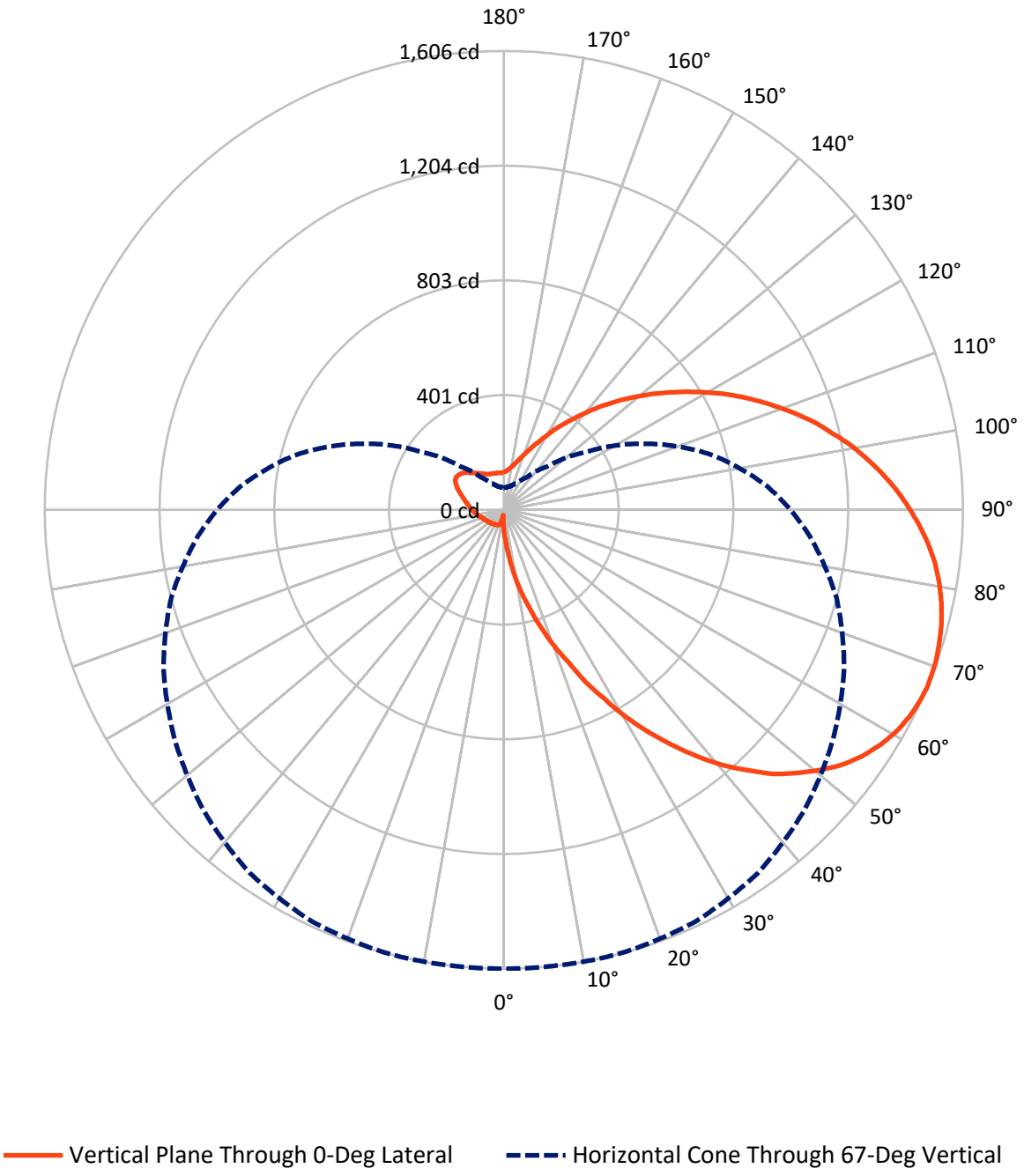
Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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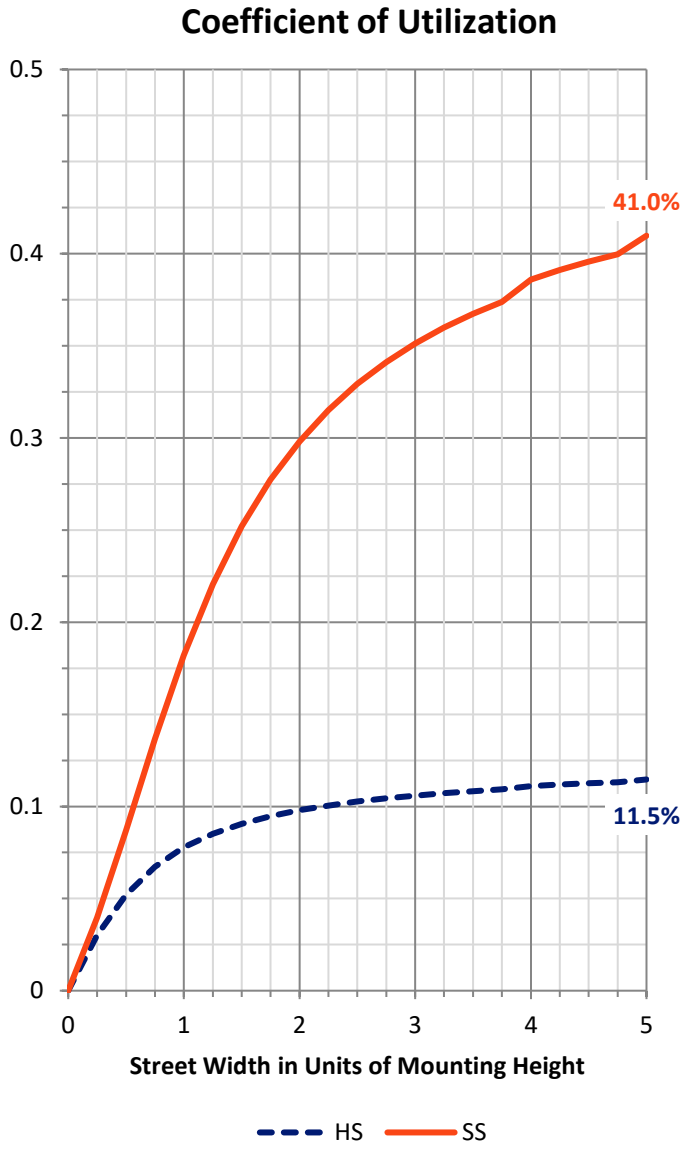
REPORT NUMBER: P1045852
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.4	937.9	1922.3
	% Fixture	12.4	11.8	24.2
Street Side	Lumens	3712.0	2315.4	6027.4
	% Fixture	46.7	29.1	75.8
Total	Lumens	4696.4	3253.3	7949.8
	% Fixture	59.1	40.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	66.1	0.8
20°-30°	184.4	2.3
30°-40°	369.1	4.6
40°-50°	580.0	7.3
50°-60°	762.6	9.6
60°-70°	880.6	11.1
70°-80°	929.3	11.7
80°-90°	913.9	11.5
90°-100°	838.8	10.6
100°-110°	725.5	9.1
110°-120°	595.4	7.5
120°-130°	454.0	5.7
130°-140°	305.8	3.8
140°-150°	181.2	2.3
150°-160°	95.3	1.2
160°-170°	44.4	0.6
170°-180°	12.9	0.2
0°-90°	4696.4	59.1
0°-180°	7949.8	100.0



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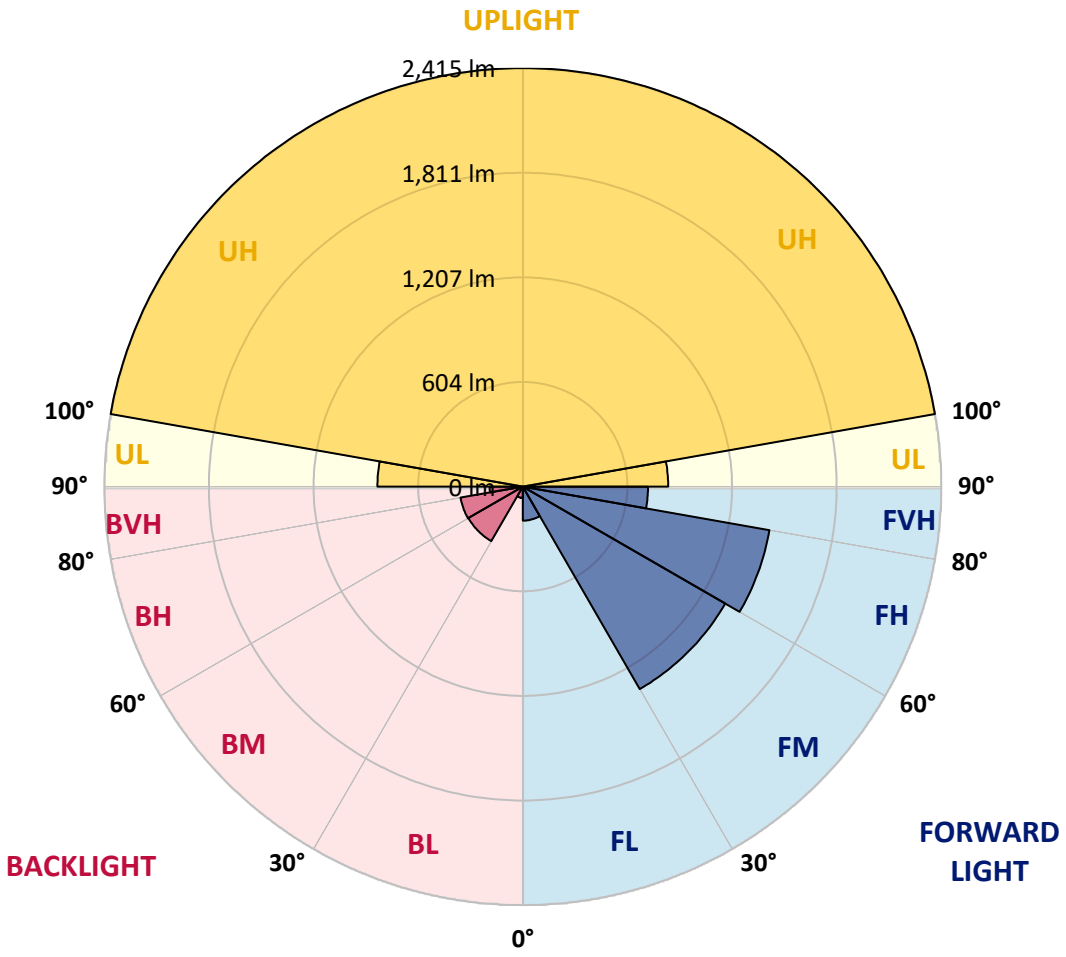
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	196.2	2.5			
FM	(30°-60°)	1348.7	17.0			
FH	(60°-80°)	1444.9	18.2			G1/1800
FVH	(80°-90°)	722.2	9.1			G4/750
BL	(0°-30°)	64.8	0.8	B0/110		
BM	(30°-60°)	363.0	4.6	B1/1000		
BH	(60°-80°)	365.0	4.6	B1/500		G1/500
BVH	(80°-90°)	191.7	2.4			G2/225
UL	(90°-100°)	838.8	10.6		U4/1000	
UH	(100°-180°)	2414.5	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
0°	*77.4*	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2.5°	*102.6*	104.4	104.4	103.5	102.6	100.9	99.2	95.7	88.7	83.5	78.3
5°	*148.7*	148.7	149.6	148.7	145.3	141.8	133.9	127.9	116.6	107.9	98.3
7.5°	*201.8*	204.4	203.5	200.9	194.8	187.0	177.4	166.1	154.8	141.8	127.0
10°	*260.9*	260.1	260.1	256.6	249.6	239.2	228.8	215.7	199.2	182.7	163.5
12.5°	*316.6*	319.2	317.5	313.1	304.4	296.6	283.5	268.8	249.6	232.2	206.1
15°	*376.6*	378.4	378.4	375.7	367.9	356.6	341.8	327.9	302.7	278.3	253.1
17.5°	*445.3*	442.7	439.2	439.2	429.7	420.1	405.3	386.2	358.3	331.4	297.5
20°	*514.0*	513.2	508.8	506.2	500.1	486.2	467.1	445.3	417.5	387.1	347.0
22.5°	*578.4*	587.1	586.2	581.9	574.1	560.1	539.3	513.2	484.5	446.2	400.1
25°	*669.7*	664.5	665.4	661.0	654.1	637.5	616.7	586.2	551.4	508.8	456.6
27.5°	*748.9*	747.1	747.1	744.5	735.0	717.6	693.2	664.5	624.5	574.1	515.8
30°	*840.2*	835.9	834.1	831.5	821.9	802.8	777.6	741.9	698.4	647.1	578.4
32.5°	*926.3*	922.8	916.7	915.9	908.9	888.9	860.2	823.7	774.1	714.1	638.4
35°	*1008.9*	1010.7	1008.1	1003.7	994.2	975.0	947.2	902.8	854.1	784.5	702.8
37.5°	*1092.4*	1091.6	1093.3	1089.8	1075.0	1056.8	1023.7	976.8	921.1	845.4	759.3
40°	*1174.2*	1169.9	1169.0	1165.5	1155.1	1136.8	1099.4	1051.6	988.9	910.7	813.2
42.5°	*1244.7*	1246.4	1244.7	1241.2	1227.3	1206.4	1167.2	1114.2	1048.1	963.7	863.7
45°	*1318.6*	1316.0	1315.1	1315.1	1296.8	1275.1	1232.5	1177.7	1103.7	1013.3	907.2
47.5°	*1376.9*	1380.3	1378.6	1374.2	1362.1	1335.1	1289.9	1229.9	1152.5	1059.4	946.3
50°	*1431.7*	1436.0	1436.9	1432.5	1417.7	1388.2	1341.2	1274.2	1195.9	1097.7	980.2
52.5°	*1482.1*	1481.2	1483.8	1481.2	1467.3	1436.9	1382.9	1315.1	1230.7	1129.8	1006.3
55°	*1521.2*	1521.2	1523.0	1519.5	1506.5	1472.5	1416.9	1344.7	1258.6	1155.1	1028.9
57.5°	*1552.6*	1554.3	1553.4	1552.6	1537.8	1502.1	1443.0	1368.2	1281.2	1173.3	1045.5
60°	*1576.9*	1577.8	1577.8	1576.0	1561.3	1523.9	1463.8	1386.4	1296.0	1189.0	1058.5
62.5°	*1592.6*	1593.4	1593.4	1591.7	1576.9	1538.6	1477.8	1397.7	1306.4	1198.6	1067.2
65°	*1602.1*	1603.0	1603.0	1601.3	1586.5	1547.3	1484.7	1403.8	1311.6	1203.8	1072.4
67°	*1605.6*	*1605.6*	*1605.6*	*1604.7*	*1589.1*	*1550.8*	*1486.5*	*1404.7*	*1313.4*	*1205.5*	*1075.0*
67.5°	*1604.7*	1604.7	1605.6	1603.9	1589.1	1549.9	1485.6	1404.7	1312.5	1205.5	1075.0
70°	*1602.1*	1602.1	1602.1	1600.4	1585.6	1546.5	1482.1	1400.3	1309.9	1203.8	1074.2
72.5°	*1592.6*	1593.4	1593.4	1591.7	1576.9	1538.6	1474.3	1392.5	1302.9	1198.6	1071.6
75°	*1581.3*	1581.3	1581.3	1579.5	1564.7	1526.5	1463.0	1382.1	1294.2	1191.6	1066.3
77.5°	*1564.7*	1564.7	1564.7	1563.0	1548.2	1510.8	1448.2	1369.0	1282.9	1182.0	1060.3
80°	*1543.9*	1544.7	1543.9	1542.1	1527.3	1489.9	1429.9	1352.5	1268.1	1170.7	1051.6
82.5°	*1519.5*	1520.4	1519.5	1516.0	1502.1	1466.4	1406.4	1330.8	1250.7	1155.9	1041.1
85°	*1488.2*	1487.3	1488.2	1483.0	1470.8	1435.1	1380.3	1306.4	1229.0	1138.5	1026.3
87.5°	*1452.5*	1453.4	1451.7	1449.0	1434.3	1399.5	1347.3	1278.6	1203.8	1117.7	1008.9
90°	*1413.4*	1413.4	1412.5	1409.0	1393.4	1362.1	1312.5	1246.4	1176.8	1094.2	990.7
92.5°	*1373.4*	1372.5	1369.9	1368.2	1354.2	1322.1	1274.2	1215.1	1149.8	1070.7	971.5
95°	*1329.0*	1329.0	1327.3	1323.8	1308.1	1282.1	1236.0	1180.3	1118.5	1045.5	951.5
97.5°	*1282.1*	1281.2	1280.3	1275.1	1261.2	1235.1	1197.7	1143.8	1087.2	1018.5	928.9
100°	*1236.0*	1233.3	1231.6	1226.4	1214.2	1189.0	1153.3	1106.4	1051.6	988.9	904.6
102.5°	*1182.0*	1182.0	1181.2	1175.9	1160.3	1139.4	1107.2	1065.5	1018.5	958.5	878.5
105°	*1134.2*	1129.8	1128.1	1122.9	1110.7	1088.1	1061.1	1024.6	981.1	925.4	852.4
107.5°	*1080.3*	1076.8	1075.9	1068.1	1058.5	1037.6	1015.0	981.1	944.6	895.0	825.4

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CATALOG NUMBER: FFX-CLB-70-740-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	25°	35°	45°	55°	65°	75°	85°
110°	*1025.5*	1023.7	1022.9	1015.0	1002.9	988.9	965.5	938.5	906.3	861.1	800.2
112.5°	*971.5*	969.8	969.8	963.7	952.4	935.0	918.5	895.0	866.3	827.2	770.6
115°	*918.5*	915.9	915.0	908.0	896.7	883.7	867.2	850.6	826.3	793.2	741.9
117.5°	*865.4*	861.9	862.8	856.7	848.0	835.0	819.3	808.0	787.1	756.7	713.2
120°	*810.6*	811.5	811.5	803.7	795.8	785.4	772.4	761.1	747.1	720.2	680.2
122.5°	*758.4*	760.2	760.2	755.0	745.4	735.8	727.1	716.7	704.5	683.6	648.0
125°	*706.3*	709.7	708.0	703.7	695.8	685.4	679.3	670.6	661.0	643.6	612.3
127.5°	*658.4*	658.4	654.1	654.9	647.1	638.4	633.2	627.1	617.5	601.0	575.8
130°	*608.8*	609.7	610.6	605.4	598.4	591.4	586.2	583.6	575.8	561.9	536.7
132.5°	*563.6*	563.6	561.9	558.4	552.3	547.1	547.1	539.3	533.2	520.1	498.4
135°	*519.3*	518.4	518.4	514.9	510.6	508.0	501.9	498.4	492.3	480.1	463.6
137.5°	*475.8*	477.5	475.8	473.2	468.8	465.3	461.0	460.1	451.4	442.7	424.5
140°	*434.0*	436.6	434.0	433.1	429.7	425.3	422.7	419.2	416.6	405.3	389.7
142.5°	*394.9*	396.6	394.9	394.0	391.4	387.9	386.2	383.6	377.5	370.5	357.5
145°	*361.0*	360.1	360.1	359.2	355.7	353.1	350.5	348.8	345.3	338.3	323.6
147.5°	*327.9*	325.3	327.0	325.3	322.7	320.9	320.1	316.6	313.1	306.2	295.7
150°	*294.0*	295.7	294.9	294.0	291.4	291.4	288.8	286.2	283.5	275.7	268.8
152.5°	*266.2*	266.2	267.0	265.3	264.4	261.8	260.1	259.2	255.7	250.5	242.7
155°	*242.7*	241.8	241.8	241.8	240.1	237.4	236.6	234.8	233.1	227.0	220.1
157.5°	*220.1*	220.1	220.1	219.2	219.2	216.6	215.7	213.1	210.5	207.0	200.9
160°	*200.9*	200.9	200.0	200.0	199.2	198.3	196.6	194.0	192.2	189.6	184.4
162.5°	*185.3*	184.4	184.4	183.5	182.7	180.9	180.0	179.2	176.6	174.0	169.6
165°	*170.5*	170.5	170.5	169.6	168.7	167.9	167.0	165.3	163.5	161.8	159.2
167.5°	*159.2*	159.2	159.2	158.3	158.3	157.4	156.6	154.8	153.1	151.3	149.6
170°	*150.5*	150.5	150.5	149.6	148.7	147.9	147.0	146.1	145.3	143.5	142.6
172.5°	*143.5*	143.5	143.5	143.5	141.8	140.9	140.0	140.0	139.2	138.3	137.4
175°	*137.4*	137.4	137.4	137.4	136.6	135.7	134.8	134.8	133.9	133.1	132.2
177.5°	*133.9*	133.9	133.9	133.1	133.1	132.2	131.3	131.3	130.5	130.5	129.6
180°	*129.6*	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2.5°	74.8	71.3	65.2	60.0	55.7	51.3	48.7	46.1	46.1	47.0	45.2
5°	90.5	84.4	73.1	60.9	50.4	41.7	34.8	28.7	23.5	20.9	20.9
7.5°	120.0	113.1	97.4	81.8	67.0	53.1	41.7	32.2	24.4	20.0	19.1
10°	154.0	146.1	124.4	105.2	87.0	69.6	54.8	41.7	33.1	28.7	27.8
12.5°	193.1	182.7	156.6	132.2	108.7	87.0	68.7	53.9	45.2	40.9	40.0
15°	238.3	221.8	192.2	161.8	131.3	104.4	82.6	66.1	56.5	50.4	50.4
17.5°	279.2	261.8	226.1	187.0	152.2	120.9	94.8	74.8	61.8	55.7	54.8
20°	326.2	302.7	260.1	214.8	172.2	133.9	102.6	80.0	64.4	56.5	56.5
22.5°	374.0	349.7	297.5	242.7	191.4	146.1	110.5	83.5	66.1	57.4	56.5
25°	430.5	397.5	334.9	273.1	213.1	159.2	117.4	87.0	67.8	59.1	57.4
27.5°	485.3	451.4	378.4	303.6	233.1	172.2	123.5	90.5	69.6	60.0	59.1
30°	542.7	501.0	418.4	334.9	254.0	183.5	129.6	93.1	70.5	60.9	59.1
32.5°	600.1	554.0	462.7	365.3	274.0	194.0	134.8	94.8	72.2	61.8	60.0
35°	658.4	608.8	505.3	395.7	292.2	203.5	138.3	96.5	73.1	61.8	60.9
37.5°	708.9	656.7	545.4	423.6	307.9	211.4	141.8	98.3	73.1	62.6	61.8
40°	759.3	702.8	580.1	447.1	321.8	217.4	144.4	99.2	73.9	63.5	62.6
42.5°	804.5	741.9	610.6	467.9	333.1	221.8	145.3	99.2	74.8	64.4	63.5
45°	845.4	781.9	639.3	487.9	342.7	224.4	146.1	100.0	75.7	65.2	64.4
47.5°	882.8	815.0	665.4	504.5	350.5	227.0	146.1	100.0	76.5	67.0	65.2
50°	914.1	842.8	687.1	518.4	355.7	227.9	145.3	100.0	77.4	67.8	67.0
52.5°	938.5	866.3	705.4	528.0	359.2	227.0	144.4	100.0	78.3	68.7	67.8
55°	959.4	885.4	718.4	535.8	360.1	225.3	143.5	100.0	79.1	70.5	69.6
57.5°	975.0	899.4	729.7	541.9	361.0	223.5	141.8	100.0	80.0	71.3	70.5
60°	987.2	911.5	738.4	545.4	360.1	220.9	140.9	100.0	80.9	73.1	72.2
62.5°	995.9	918.5	743.7	546.2	357.5	218.3	139.2	100.0	81.8	74.8	73.9
65°	1001.1	923.7	748.0	547.1	354.9	215.7	138.3	100.9	83.5	77.4	76.5
67°	*1002.9*	*926.3*	*748.9*	*547.1*	*353.1*	*214.0*	*138.3*	*101.8*	*85.2*	*78.3*	*77.4*
67.5°	1003.7	926.3	748.9	546.2	352.3	214.0	138.3	101.8	85.2	79.1	78.3
70°	1002.9	926.3	748.9	544.5	349.7	212.2	137.4	103.5	87.8	81.8	80.9
72.5°	1001.1	924.6	747.1	541.9	346.2	210.5	138.3	105.2	90.5	84.4	83.5
75°	996.8	921.1	743.7	538.4	343.6	208.7	139.2	107.0	93.1	87.8	87.0
77.5°	992.4	916.7	741.1	534.9	341.0	208.7	140.0	109.6	96.5	91.3	90.5
80°	984.6	910.7	735.8	531.4	338.3	207.9	141.8	113.1	100.0	94.8	93.9
82.5°	975.0	902.0	728.9	526.2	335.7	207.9	144.4	115.7	103.5	98.3	97.4
85°	962.0	890.7	720.2	519.3	333.1	208.7	146.1	119.2	107.0	102.6	101.8
87.5°	947.2	876.7	709.7	513.2	330.5	208.7	148.7	122.6	110.5	106.1	106.1
90°	929.8	861.9	697.6	506.2	327.9	210.5	152.2	126.1	114.8	110.5	110.5
92.5°	914.1	846.3	688.0	499.3	326.2	212.2	155.7	130.5	119.2	114.8	114.8
95°	893.3	829.8	674.1	493.2	325.3	214.0	159.2	134.8	124.4	120.0	119.2
97.5°	873.3	811.5	661.9	486.2	324.4	217.4	163.5	140.0	128.7	124.4	124.4
100°	851.5	793.2	648.0	480.1	324.4	221.8	169.6	145.3	134.8	130.5	129.6
102.5°	830.6	773.2	634.1	474.0	326.2	226.1	175.7	151.3	140.9	136.6	135.7
105°	807.2	752.4	621.9	468.8	327.9	232.2	182.7	159.2	147.9	143.5	142.6
107.5°	783.7	733.2	608.0	464.5	331.4	240.1	191.4	167.0	155.7	150.5	149.6

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

Scaled Data Report

REPORT NUMBER: P1045852
CATALOG NUMBER: FFX-CLB-70-740-U-VM8-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	758.4	712.3	595.8	461.0	336.6	248.8	200.9	177.4	164.4	159.2	158.3
112.5°	735.0	691.5	582.8	458.4	341.8	259.2	212.2	187.0	174.8	167.9	167.0
115°	708.9	669.7	570.6	455.8	347.9	269.6	224.4	197.4	184.4	177.4	177.4
117.5°	683.6	647.1	556.7	453.2	354.0	280.9	235.7	208.7	194.0	187.0	186.1
120°	654.1	622.8	541.9	447.9	357.5	289.6	245.3	218.3	201.8	194.8	194.0
122.5°	624.5	595.8	522.7	440.1	358.3	294.9	252.2	226.1	208.7	200.9	200.0
125°	590.6	566.2	502.7	427.9	355.7	297.5	256.6	228.8	211.4	202.7	201.8
127.5°	557.5	534.0	479.2	413.1	348.8	294.9	255.7	228.8	211.4	201.8	200.9
130°	521.9	501.0	451.4	394.9	337.5	288.8	252.2	225.3	207.9	198.3	197.4
132.5°	485.3	467.9	424.5	374.9	323.6	279.2	244.4	219.2	201.8	193.1	192.2
135°	449.7	434.0	396.6	352.3	308.8	267.9	235.7	211.4	194.0	186.1	186.1
137.5°	415.8	401.0	367.9	330.5	291.4	254.8	225.3	201.8	187.0	179.2	177.4
140°	381.0	368.8	340.1	307.0	273.1	240.9	214.0	192.2	178.3	171.3	170.5
142.5°	348.8	338.3	314.0	287.0	255.7	227.9	202.7	184.4	171.3	164.4	163.5
145°	318.3	308.8	287.9	263.5	238.3	214.0	191.4	174.8	163.5	158.3	157.4
147.5°	287.9	281.8	264.4	244.4	220.9	199.2	180.9	167.0	156.6	152.2	151.3
150°	262.7	254.8	241.8	223.5	205.3	187.0	171.3	159.2	151.3	147.0	147.0
152.5°	237.4	233.1	220.1	206.1	190.5	175.7	161.8	152.2	146.1	142.6	142.6
155°	218.3	212.2	200.9	189.6	176.6	164.4	154.8	147.0	141.8	139.2	138.3
157.5°	198.3	194.8	186.1	175.7	166.1	156.6	148.7	142.6	138.3	136.6	135.7
160°	181.8	179.2	172.2	164.4	156.6	149.6	143.5	139.2	135.7	133.9	133.9
162.5°	167.9	166.1	160.0	154.8	148.7	143.5	139.2	135.7	133.9	133.1	133.1
165°	157.4	155.7	151.3	147.0	143.5	139.2	136.6	133.9	132.2	132.2	132.2
167.5°	148.7	147.0	144.4	141.8	139.2	135.7	133.9	132.2	132.2	131.3	131.3
170°	141.8	140.9	138.3	136.6	134.8	133.1	132.2	131.3	130.5	130.5	130.5
172.5°	136.6	135.7	133.9	133.1	131.3	130.5	130.5	130.5	130.5	130.5	130.5
175°	132.2	131.3	131.3	130.5	129.6	129.6	128.7	129.6	129.6	129.6	129.6
177.5°	129.6	129.6	128.7	128.7	128.7	128.7	128.7	129.6	129.6	130.5	130.5
180°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6

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: SP1-2501-332-1

Test Date: 03/20/2025

Luminaire Tested: FFX-CLB-100-740-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-740-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

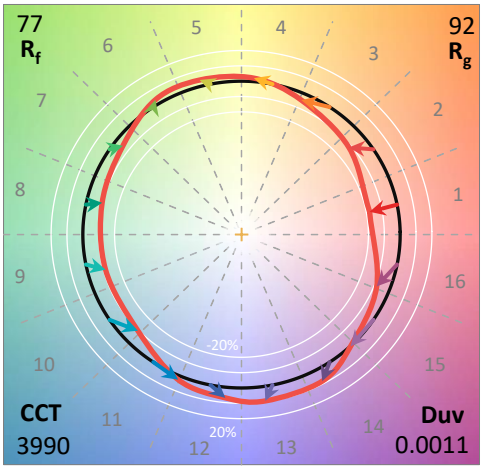
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
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-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	3990	CRI (Ra):	73.9		
CIE u':	0.2247	R1:	69.6	R9:	-36.4
CIE v':	0.5031	R2:	83.0	R10:	60.9
Duv:	0.0011	R3:	93.1	R11:	66.8
CIE x:	0.3816	R4:	70.6	R12:	52.5
CIE y:	0.3798	R5:	70.6	R13:	72.5
CIE z:	0.2386	R6:	76.4	R14:	96.4
Peak Wavelength (nm):	450	R7:	79.8	R15:	61.3
Dominant Wavelength (nm):	578	R8:	48.1		
Purity:	28.50862				

Rf:	77.5
Rg:	91.9



Test Conditions

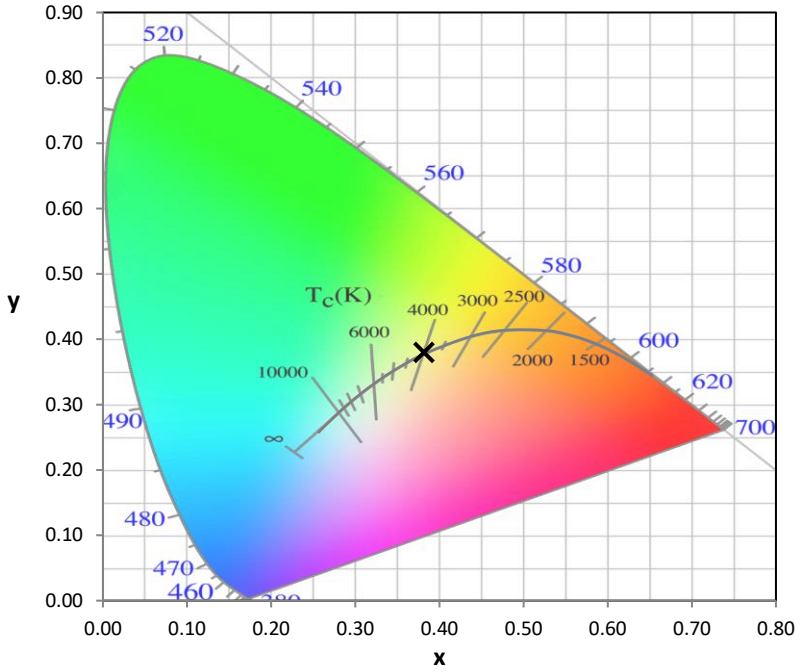
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

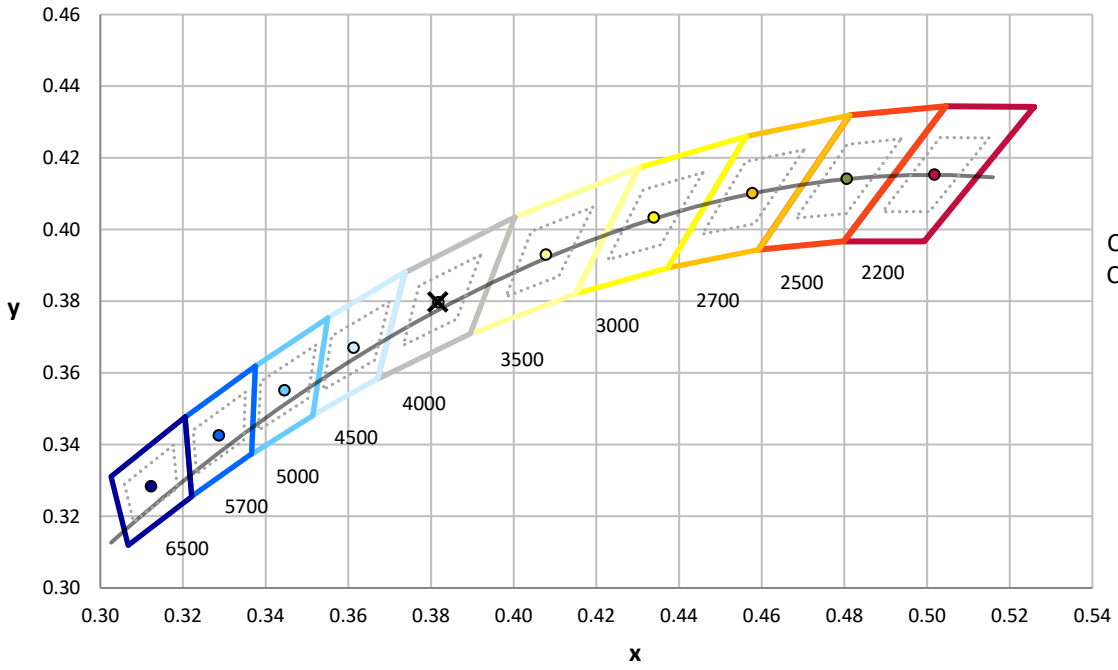
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



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

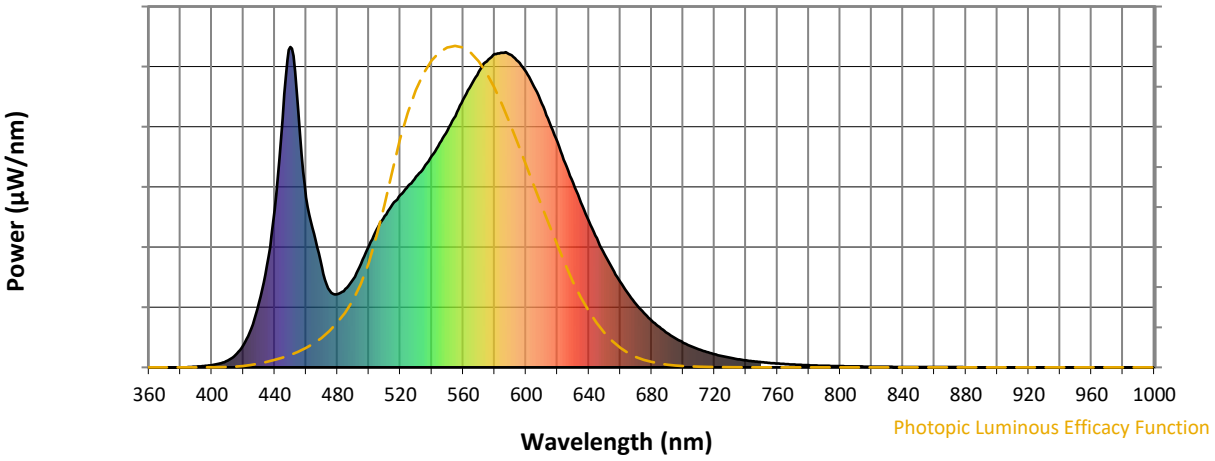


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

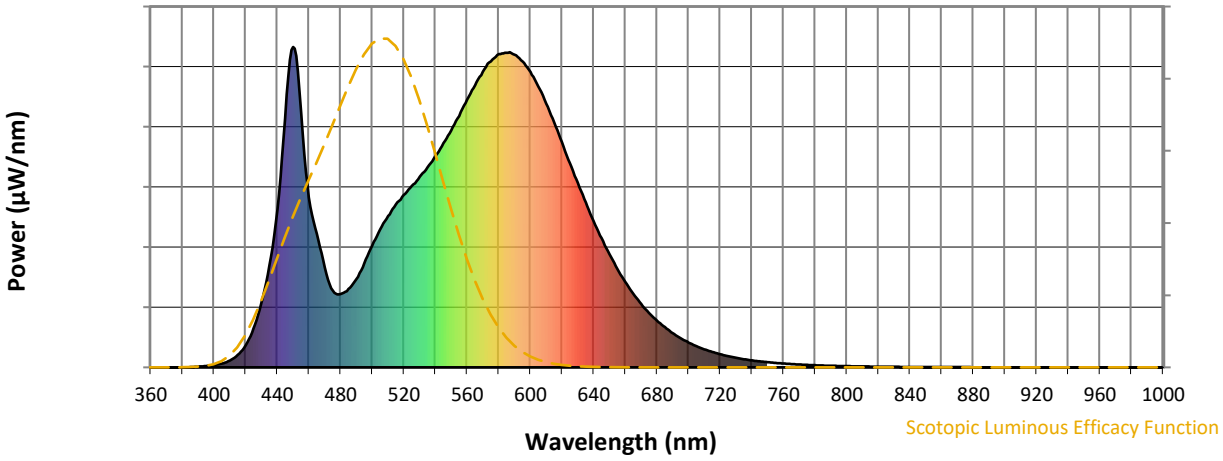


Photopic Lumens: NR

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

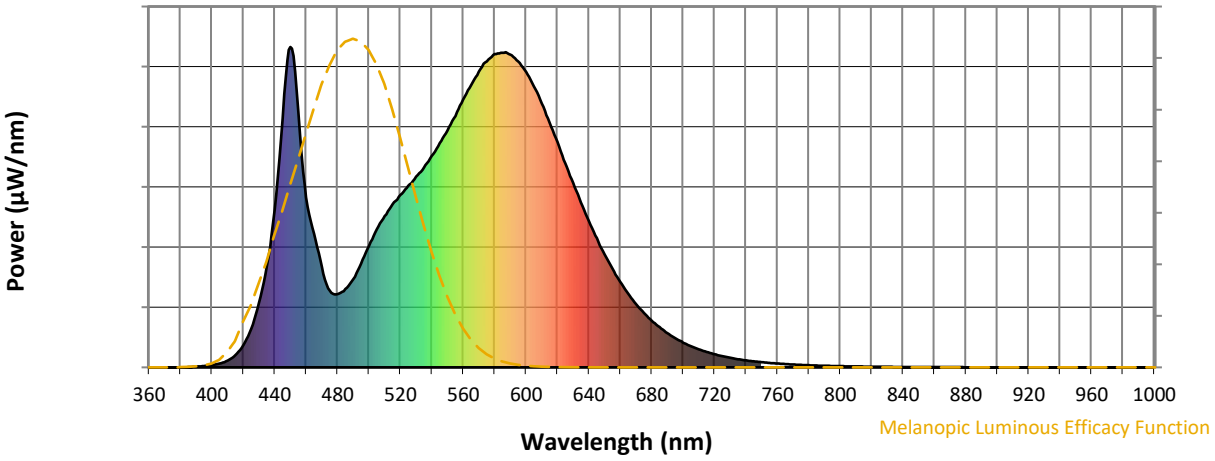


Scotopic Lumens: NR **S/P: 1.59**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.21**

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	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

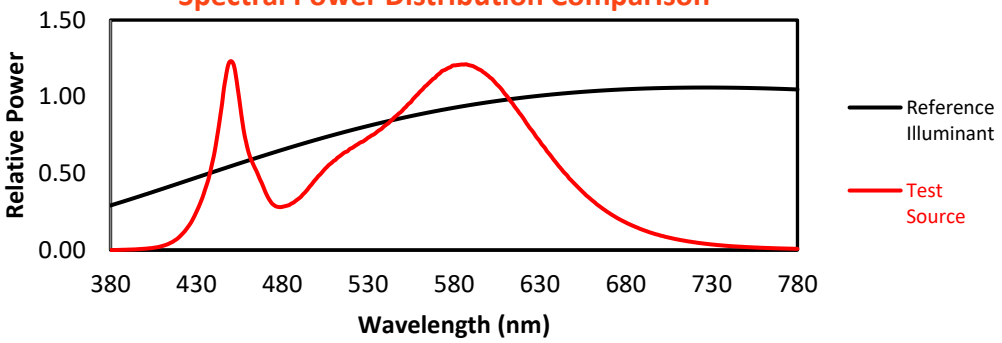
REPORT NUMBER: SP1-2501-332-1

TM-30-18

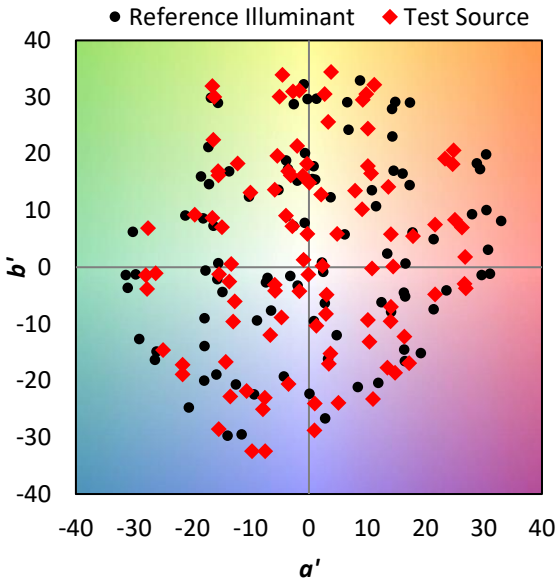
Summary

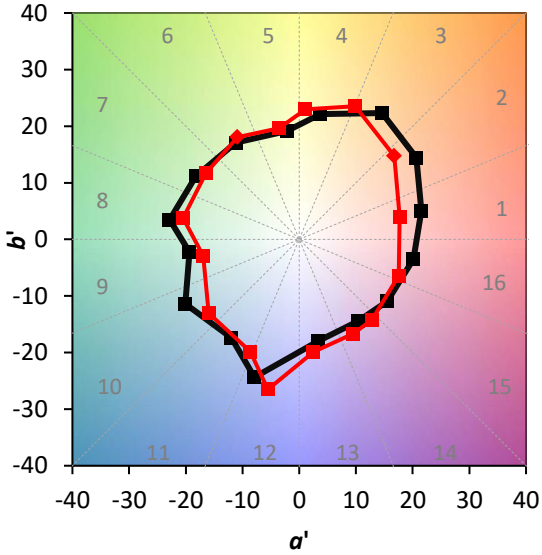
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

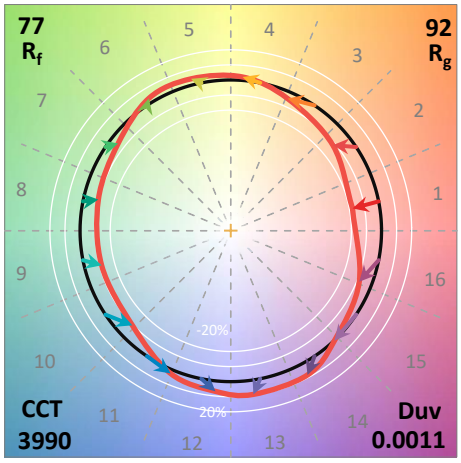
Spectral Power Distribution Comparison

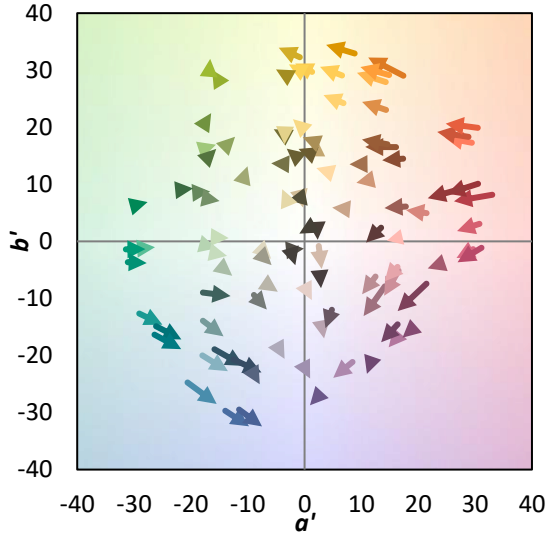


Color Vector Graphics







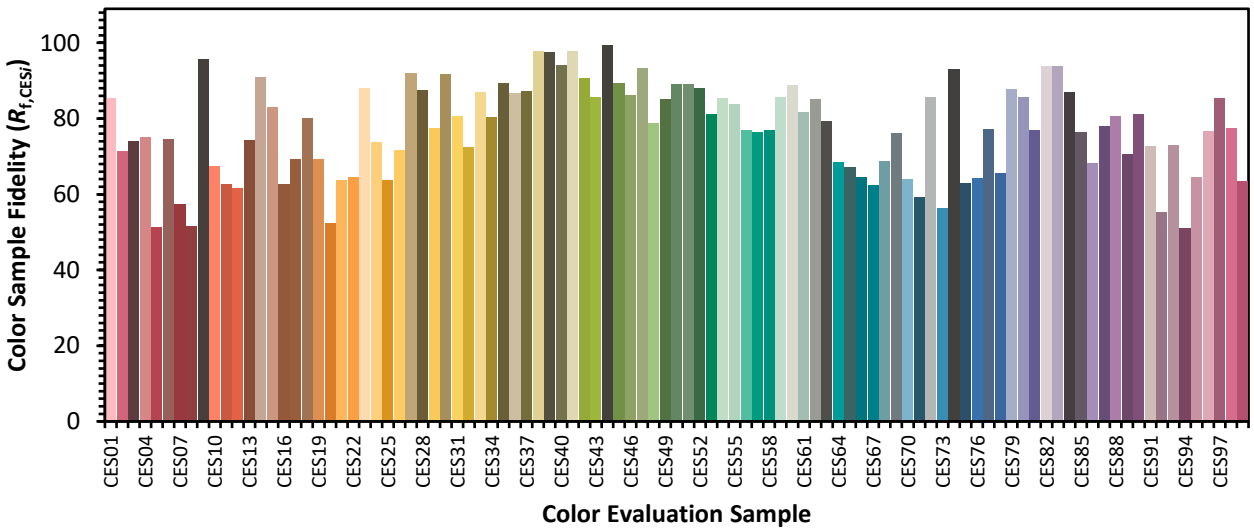


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

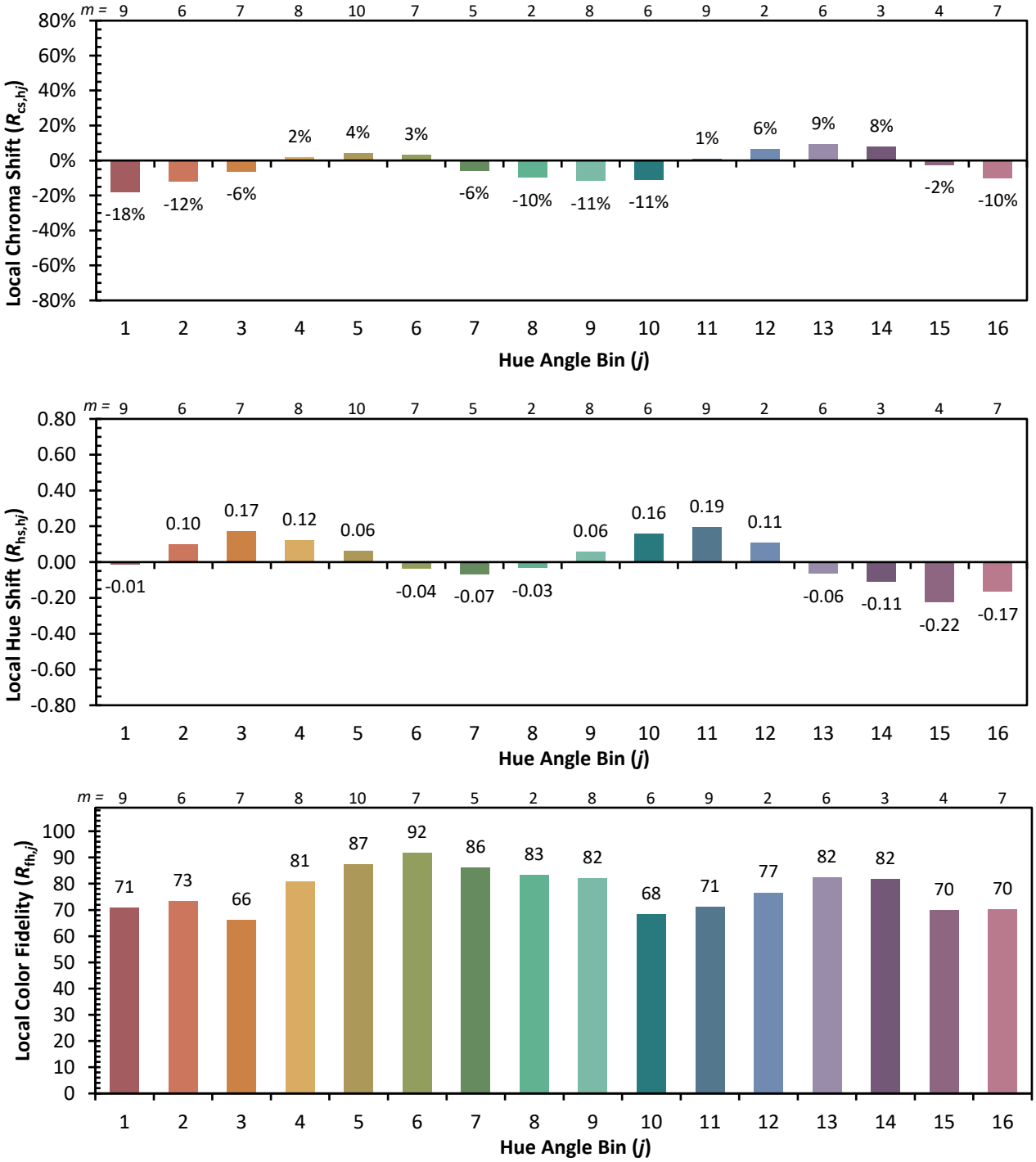
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
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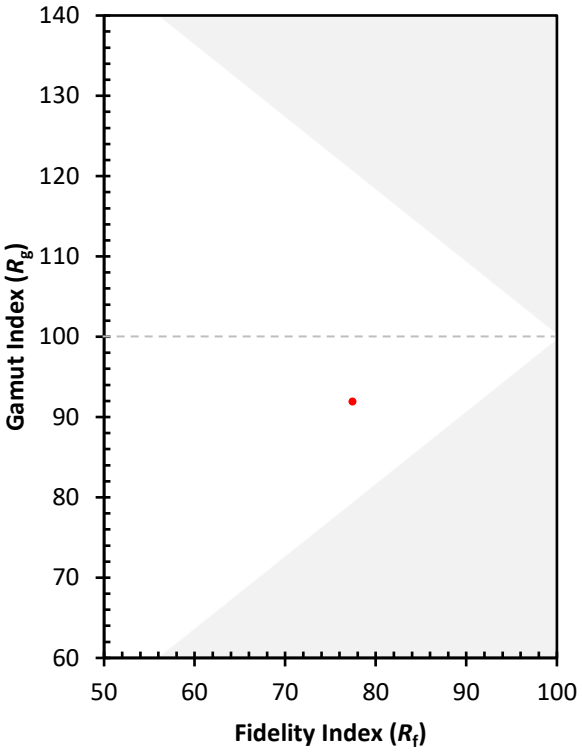
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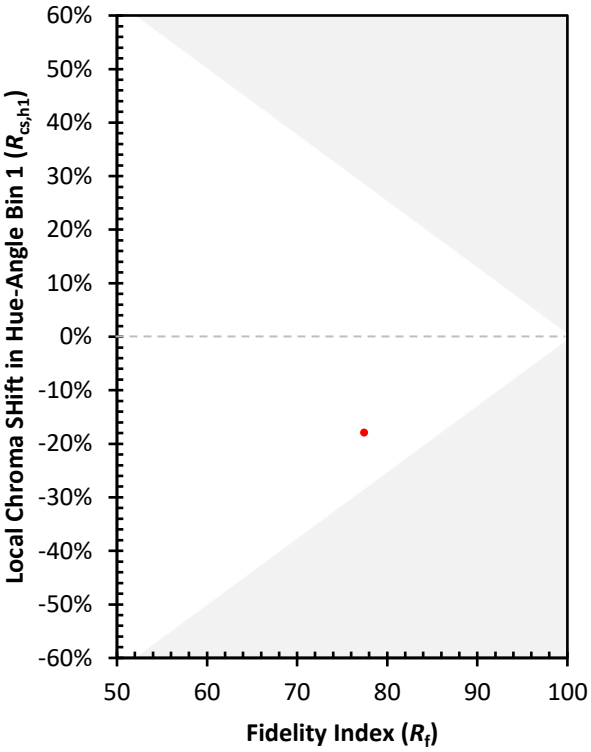


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Measure Comparisons





(END OF REPORT)