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: P1045990

Luminaire Tested: **FFX-CLB-40-740-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:	P1045990
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-740-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4554.4 lumens
Efficiency:	N/A
Efficacy:	115.6 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G3

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

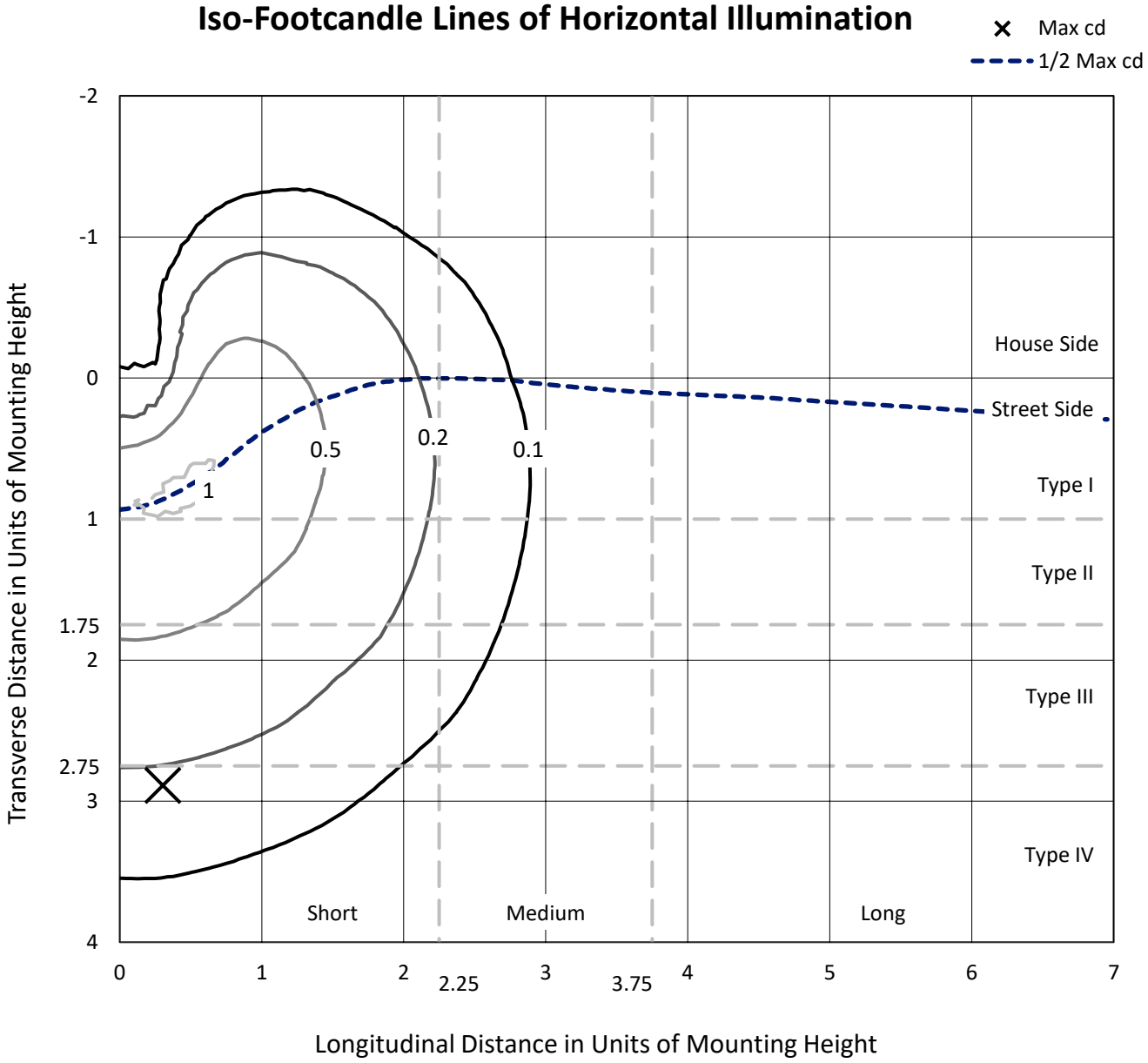


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Iso-Footcandle Lines of Horizontal Illumination



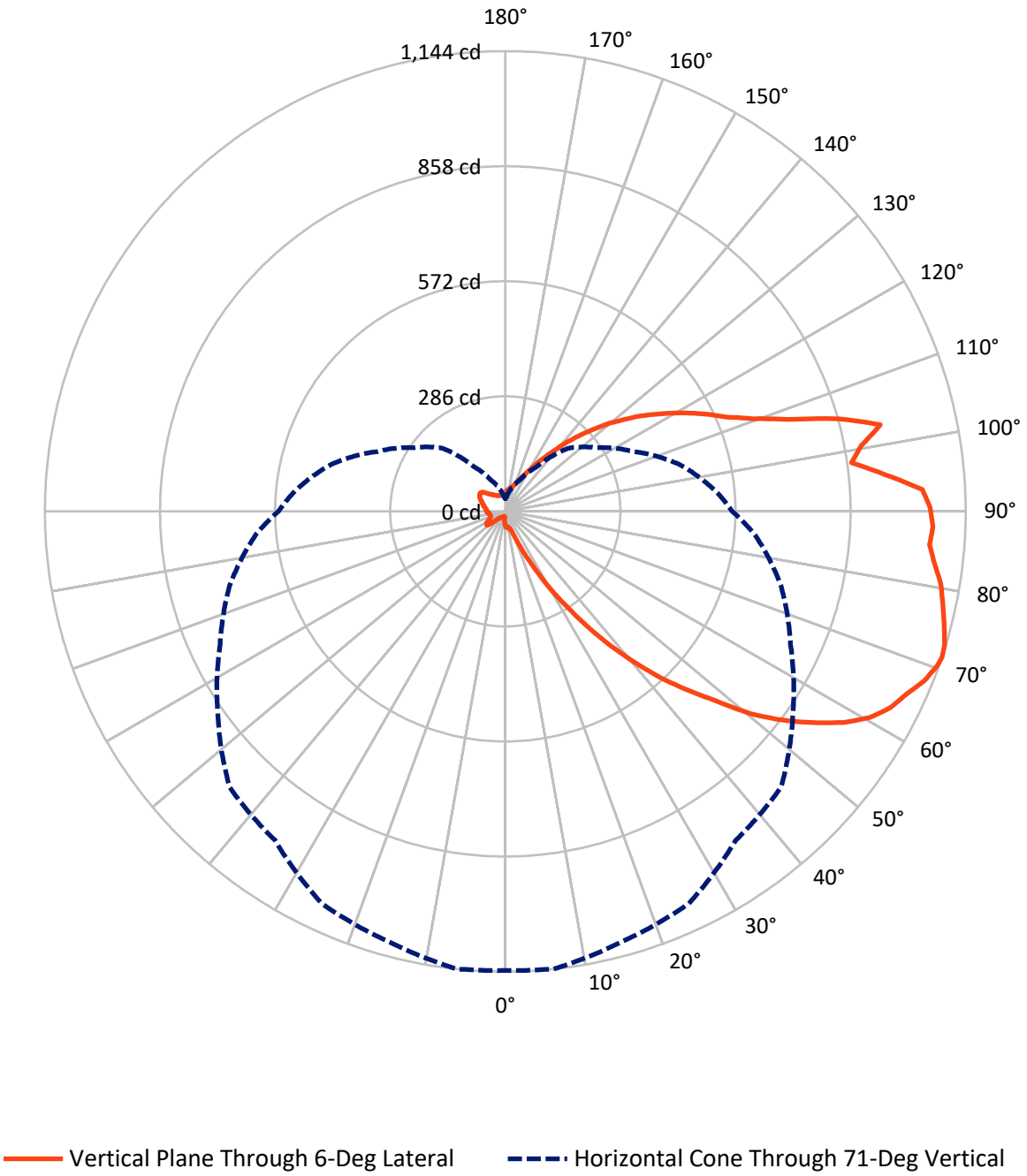
Based on 15 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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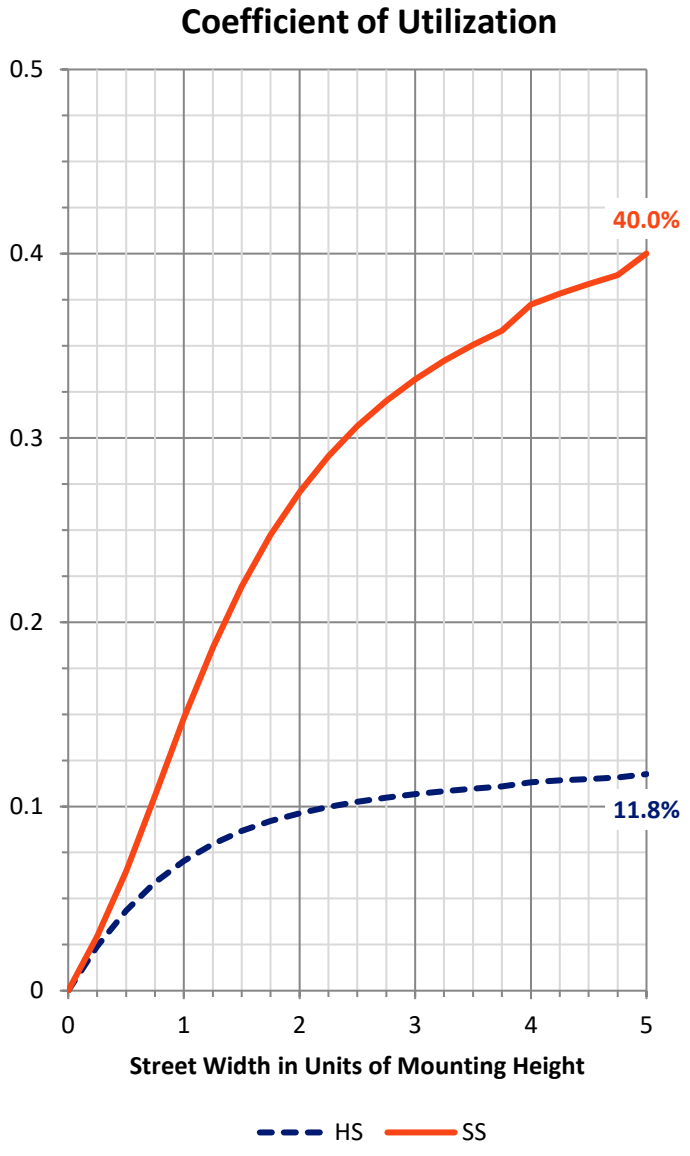
REPORT NUMBER: P1045990
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.8	463.8	1048.6
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	2133.4	1372.4	3505.8
	% Fixture	46.8	30.1	77.0
Total	Lumens	2718.2	1836.2	4554.4
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	9.5	0.2
20°-30°	43.2	0.9
30°-40°	144.6	3.2
40°-50°	294.7	6.5
50°-60°	453.4	10.0
60°-70°	564.2	12.4
70°-80°	603.4	13.2
80°-90°	602.3	13.2
90°-100°	544.3	12.0
100°-110°	476.1	10.5
110°-120°	324.5	7.1
120°-130°	229.2	5.0
130°-140°	138.9	3.1
140°-150°	70.4	1.5
150°-160°	32.9	0.7
160°-170°	15.1	0.3
170°-180°	4.7	0.1
0°-90°	2718.2	59.7
0°-180°	4554.4	100.0



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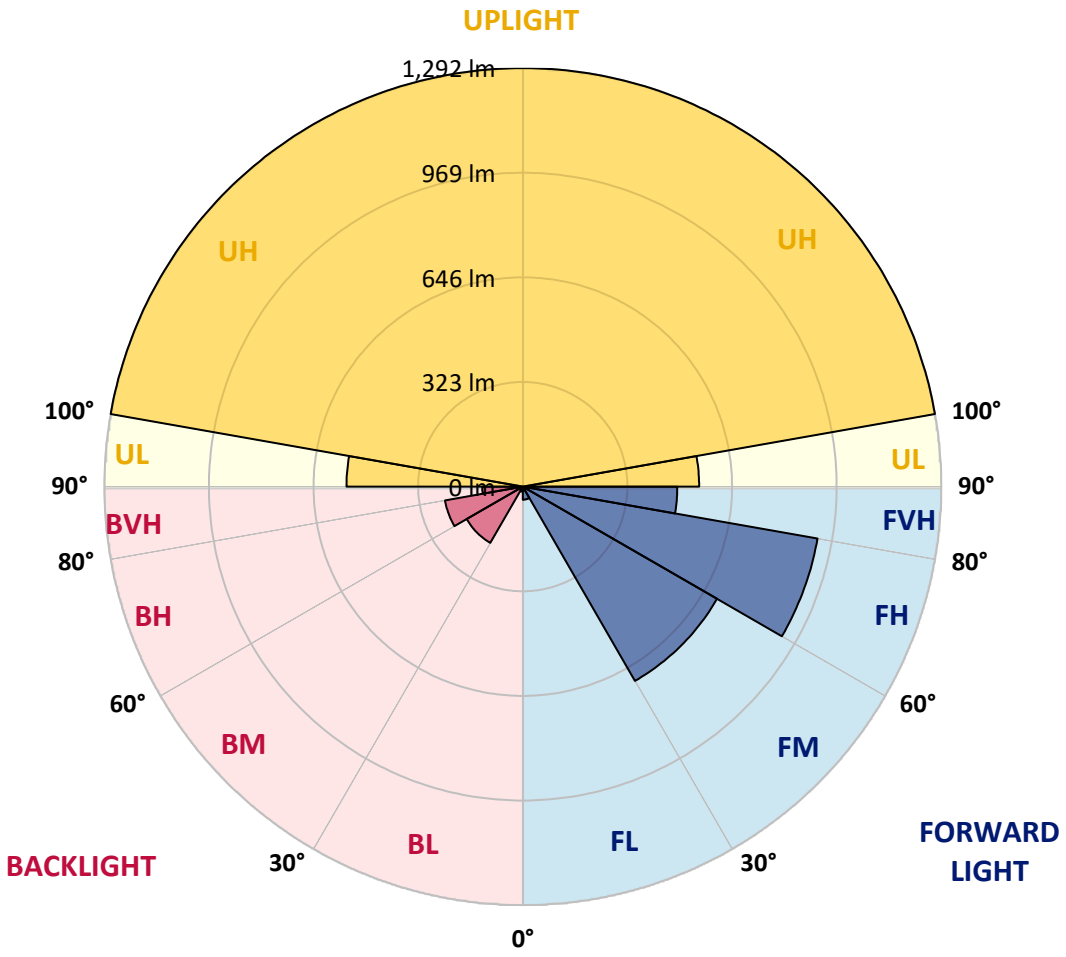
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	40.3	0.9			
FM	(30°-60°)	692.4	15.2			
FH	(60°-80°)	923.7	20.3			G1/1800
FVH	(80°-90°)	477.0	10.5			G3/500
BL	(0°-30°)	15.4	0.3	B0/110		
BM	(30°-60°)	200.3	4.4	B0/220		
BH	(60°-80°)	243.8	5.4	B1/500		G1/500
BVH	(80°-90°)	125.3	2.8			G2/225
UL	(90°-100°)	544.3	12.0		U4/1000	
UH	(100°-180°)	1291.9	28.4		U5	

BUG Rating: B1-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	40.1	40.1	40.1	40.1	40.1	40.1	39.6	38.6	38.1	37.6	37.1
5°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	37.6	37.1	36.1	35.1
7.5°	38.1	38.1	38.1	38.1	37.6	37.1	36.6	36.1	35.6	33.6	31.7
10°	41.5	42.0	41.5	41.5	40.1	38.6	37.6	36.1	35.1	34.1	31.7
12.5°	44.0	44.0	44.0	43.5	42.5	41.5	39.6	37.1	35.1	33.1	31.2
15°	45.5	45.5	45.5	45.5	44.5	43.0	41.5	39.6	37.6	35.1	32.6
17.5°	51.4	51.4	51.4	50.9	50.0	49.0	48.0	47.0	45.5	43.0	40.6
20°	67.8	69.2	68.7	67.3	66.3	65.3	65.8	64.8	63.8	60.3	56.4
22.5°	94.0	96.0	95.5	96.0	94.5	93.5	93.0	94.0	92.0	87.0	79.6
25°	132.1	132.1	130.6	134.5	135.0	130.1	131.1	130.6	129.1	120.2	108.3
27.5°	174.6	173.6	173.1	179.5	180.5	178.5	180.5	177.1	172.1	162.2	147.4
30°	224.1	228.0	230.0	231.0	233.9	235.9	238.4	235.4	222.1	210.2	189.4
32.5°	286.9	284.4	283.9	294.3	299.7	300.2	306.2	297.7	282.9	260.6	233.4
35°	356.1	350.2	351.2	357.6	366.5	372.9	377.4	361.1	345.7	316.5	280.9
37.5°	421.4	421.9	421.4	423.9	440.7	442.7	443.6	425.3	403.1	372.9	328.4
40°	488.2	489.2	491.6	499.5	517.3	513.9	506.0	489.6	461.0	426.8	374.4
42.5°	556.9	563.3	564.8	568.8	581.1	580.2	566.8	548.5	515.4	472.8	414.0
45°	630.6	629.6	632.1	637.5	647.4	647.4	623.7	597.0	560.9	512.9	449.6
47.5°	700.3	707.8	703.3	716.7	711.7	715.2	674.6	642.0	602.4	545.5	479.3
50°	788.4	792.3	790.9	789.4	774.5	774.5	733.0	689.0	644.5	577.2	508.9
52.5°	863.1	864.5	862.1	856.1	835.4	828.4	779.5	728.5	681.5	614.3	537.6
55°	932.3	922.4	926.9	917.5	884.8	877.4	830.9	758.7	714.2	641.0	562.4
57.5°	983.2	988.7	990.2	969.9	937.3	907.1	875.9	794.8	738.9	666.2	578.7
60°	1026.8	1041.6	1040.6	1010.0	981.3	927.4	910.0	826.5	755.2	688.5	596.5
62.5°	1059.4	1075.2	1074.3	1049.5	1023.8	948.1	928.8	845.3	765.1	699.8	609.8
65°	1091.6	1099.0	1095.5	1085.6	1055.0	967.4	946.6	853.7	773.5	704.8	614.8
67.5°	1124.2	1123.7	1123.2	1109.4	1076.2	985.2	961.0	866.0	781.9	710.2	618.2
70°	1140.5	1141.5	1141.0	1111.8	1081.2	997.1	968.9	872.5	783.9	710.2	621.2
71°	1141.5	1143.0	1144.0	1108.9	1076.7	998.1	969.4	872.5	781.9	708.7	619.7
72.5°	1134.6	1142.0	1141.0	1101.5	1070.3	996.6	965.9	868.5	779.0	702.8	615.3
75°	1119.3	1132.6	1126.7	1086.6	1054.0	986.7	956.5	864.5	771.6	694.9	611.3
77.5°	1105.9	1121.2	1111.3	1074.3	1045.1	979.8	951.6	865.5	766.1	690.0	609.8
80°	1097.0	1105.4	1097.5	1066.8	1037.7	971.9	948.1	866.0	764.6	687.5	605.4
82.5°	1083.7	1080.2	1074.7	1050.5	1020.8	957.5	934.3	858.1	761.2	682.5	600.4
85°	1071.8	1057.4	1057.4	1035.7	1005.5	946.2	918.0	848.7	755.2	677.6	594.5
87.5°	1078.7	1059.4	1063.4	1042.6	1009.5	947.6	915.0	847.7	757.7	678.6	591.0
90°	1071.8	1053.5	1055.5	1033.7	995.1	932.3	892.7	827.9	741.9	664.7	578.7
92.5°	1059.9	1040.6	1037.7	1015.4	976.3	917.0	875.4	815.1	729.5	653.9	574.2
95°	968.4	954.6	948.6	932.8	902.6	850.7	818.1	760.2	675.1	605.9	537.1
97.5°	874.4	876.9	868.5	849.7	816.6	776.0	739.9	684.5	612.8	553.0	486.2
100°	911.5	908.1	899.7	874.4	839.8	794.3	751.8	698.4	628.6	574.7	501.0
102.5°	952.1	960.0	956.5	924.9	885.8	849.2	817.1	763.6	687.0	630.1	551.5
105°	841.3	857.1	860.6	835.9	807.2	776.5	748.3	710.7	644.5	586.1	524.3
107.5°	733.5	736.0	738.4	719.6	705.3	678.1	649.9	615.8	565.3	520.8	460.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	658.8	661.3	*657.3*	649.4	634.6	613.8	582.6	558.9	514.9	477.3	422.4
112.5°	599.4	601.9	*599.0*	589.1	575.7	559.4	526.7	507.0	469.4	434.3	384.8
115°	561.4	564.3	*559.4*	549.0	537.6	528.7	500.5	471.3	437.2	406.1	363.5
117.5°	525.3	531.2	*519.8*	516.8	508.4	499.5	467.4	441.7	412.0	383.8	349.7
120°	485.7	490.6	*481.2*	477.8	472.8	463.9	433.8	410.5	386.8	361.5	328.9
122.5°	454.0	447.1	*442.7*	442.7	436.7	430.8	399.6	380.3	361.5	340.3	306.6
125°	417.9	408.5	*406.6*	410.0	402.6	394.7	370.0	352.6	338.3	317.0	283.9
127.5°	377.4	368.5	*368.5*	370.0	365.5	357.6	341.3	326.9	318.0	295.3	262.1
130°	339.3	334.3	*335.3*	331.9	327.4	321.0	309.1	298.7	291.3	268.6	244.8
132.5°	293.8	299.2	*299.2*	293.3	292.3	287.4	278.0	273.0	261.6	242.8	223.1
135°	261.6	266.1	*265.6*	260.2	259.7	256.7	249.8	245.3	234.4	218.6	202.3
137.5°	234.4	234.4	*233.4*	230.0	228.0	227.5	221.1	216.6	206.2	195.4	182.0
140°	207.7	203.3	*201.8*	202.3	199.3	198.8	193.4	187.9	183.0	172.6	161.7
142.5°	180.0	177.1	*175.6*	173.6	172.6	171.1	167.7	163.2	158.3	151.3	141.5
145°	153.8	153.8	*152.8*	150.9	150.9	148.9	145.4	142.9	138.5	131.1	123.2
147.5°	133.5	132.1	*132.1*	131.6	130.1	129.1	126.1	122.7	119.7	113.8	106.3
150°	114.7	114.7	*113.8*	114.7	113.8	112.3	110.3	107.3	103.9	99.4	93.5
152.5°	99.9	100.4	*99.4*	100.9	99.9	98.9	96.4	94.5	90.5	86.6	82.6
155°	89.0	89.5	*89.0*	88.5	88.5	87.0	86.1	83.1	80.6	77.2	73.7
157.5°	79.1	79.6	*79.6*	79.6	79.6	78.1	76.2	74.2	72.2	69.2	66.3
160°	72.7	72.2	*72.2*	71.7	71.2	70.7	69.2	67.3	65.8	63.3	60.8
162.5°	66.3	66.3	*66.3*	65.8	65.3	64.8	63.8	61.8	60.3	58.4	56.4
165°	61.8	61.8	*61.8*	61.8	60.8	60.3	59.4	57.9	56.9	54.9	52.9
167.5°	58.9	58.9	*58.9*	58.4	57.9	57.4	56.9	55.4	54.4	52.9	51.4
170°	56.4	56.4	*56.4*	56.4	55.9	54.9	54.4	53.4	52.4	51.4	50.0
172.5°	53.9	53.9	*53.9*	53.9	53.4	53.4	52.9	51.9	51.4	50.0	49.5
175°	51.9	51.9	*51.9*	51.9	51.4	51.4	50.9	50.4	50.0	49.5	48.5
177.5°	50.4	50.4	*50.4*	50.4	50.0	50.0	50.0	49.5	49.0	48.5	48.5
180°	48.5	48.5	*48.5*	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
2.5°	37.1	37.1	36.1	35.6	35.1	34.1	33.1	31.7	31.7	31.7	31.2
5°	34.6	34.1	33.1	31.7	31.2	30.7	29.7	27.7	25.2	23.2	23.2
7.5°	32.1	29.7	27.2	26.2	24.7	22.3	19.8	16.8	13.4	12.9	12.9
10°	30.2	28.7	25.7	23.2	20.8	20.3	18.3	15.3	13.8	12.4	12.4
12.5°	29.7	28.7	25.2	22.3	19.3	17.8	16.3	14.8	13.4	12.4	12.4
15°	31.2	30.2	26.7	23.2	19.8	17.8	15.8	14.3	13.8	13.4	13.4
17.5°	39.1	37.6	32.6	27.2	22.8	19.8	17.3	15.8	15.3	14.8	14.8
20°	52.9	50.4	43.5	36.1	29.2	22.8	19.3	16.8	16.3	15.8	15.8
22.5°	75.2	70.7	58.9	47.5	37.1	28.7	22.3	17.8	16.3	15.8	15.8
25°	102.4	96.4	79.1	62.3	47.0	36.6	27.2	20.3	16.3	15.3	15.3
27.5°	138.5	128.1	104.9	83.6	62.8	46.5	34.1	24.2	17.8	15.3	14.8
30°	176.6	163.7	134.0	105.8	79.6	58.4	42.0	29.2	20.3	15.3	14.8
32.5°	218.1	200.8	168.2	133.0	98.9	72.2	51.4	34.1	23.2	16.3	15.3
35°	260.6	241.4	200.8	161.7	118.7	86.1	61.3	39.6	25.2	17.3	16.3
37.5°	303.7	281.9	237.9	187.5	138.0	100.4	71.2	45.5	27.2	18.3	17.3
40°	346.7	320.5	272.0	211.7	156.8	114.7	80.6	50.4	28.7	19.8	19.3
42.5°	380.3	353.6	300.2	232.0	176.6	127.6	90.0	54.4	30.2	22.3	21.3
45°	411.0	382.8	324.0	250.3	191.9	142.9	100.9	60.8	33.1	25.2	24.2
47.5°	442.2	414.5	348.7	268.1	206.7	158.3	113.8	67.8	41.1	32.6	32.1
50°	469.4	438.7	375.4	292.3	225.5	172.6	127.1	76.2	48.5	47.5	48.0
52.5°	495.6	464.9	398.1	310.1	238.4	189.9	140.0	79.6	54.9	55.9	56.9
55°	524.8	489.2	416.4	324.0	245.8	201.3	147.4	82.6	60.8	56.9	55.9
57.5°	544.5	503.5	431.3	339.3	253.7	208.2	147.9	86.1	65.8	54.9	53.4
60°	557.9	511.4	439.2	347.7	264.6	214.7	146.4	86.6	68.7	50.4	46.0
62.5°	566.8	521.8	446.1	349.7	273.0	219.6	145.9	84.6	67.8	45.0	41.5
65°	570.8	530.7	452.6	350.7	274.5	223.1	145.9	83.6	66.3	39.6	35.6
67.5°	570.8	533.7	455.0	352.6	273.5	224.1	141.5	86.6	64.3	37.6	32.6
70°	567.8	532.2	451.6	352.1	275.5	223.1	136.5	86.6	61.3	37.6	31.2
71°	*563.8*	*529.2*	*449.1*	*351.7*	*276.0*	*222.1*	*134.5*	*86.1*	*59.8*	*36.6*	*31.7*
72.5°	558.4	524.8	444.6	350.7	274.5	219.1	130.6	86.6	58.4	36.1	32.1
75°	552.5	521.3	441.2	346.7	274.0	214.7	123.6	85.1	57.9	36.6	33.1
77.5°	550.5	521.8	439.2	345.7	274.0	212.2	118.7	84.1	56.9	37.1	35.1
80°	546.0	520.8	435.2	343.2	273.0	207.7	117.2	84.1	55.9	37.6	36.1
82.5°	541.6	518.3	431.8	340.8	271.5	201.8	115.7	83.6	54.9	39.1	38.1
85°	537.6	517.8	431.8	339.3	271.0	198.3	115.2	83.1	54.4	40.6	39.6
87.5°	537.6	520.3	436.2	343.2	275.5	198.3	117.2	84.1	54.9	42.5	42.0
90°	527.7	509.4	429.3	340.8	277.0	198.8	119.2	86.6	56.9	44.5	43.5
92.5°	524.8	504.5	427.3	343.2	278.9	198.8	121.7	89.0	58.4	45.5	44.5
95°	492.1	469.4	402.1	325.9	266.6	193.4	122.7	88.5	59.4	46.0	45.5
97.5°	446.6	421.9	358.6	289.8	235.9	173.6	111.8	83.1	58.9	47.5	46.5
100°	461.9	432.8	366.5	294.8	232.0	170.1	109.8	80.6	60.3	49.5	48.5
102.5°	504.5	472.8	403.1	326.4	252.7	187.9	122.7	85.6	63.3	51.9	50.4
105°	479.3	444.1	389.2	316.0	246.3	187.9	123.2	87.0	66.3	53.9	52.9
107.5°	423.4	390.7	342.8	281.4	225.5	173.6	116.7	84.6	68.7	56.4	54.9

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

Scaled Data Report

REPORT NUMBER: P1045990
CATALOG NUMBER: FFX-CLB-40-740-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	391.2	356.1	312.1	256.7	209.7	161.2	112.3	83.1	70.2	59.4	57.4
112.5°	357.1	326.9	284.4	235.9	195.4	148.9	109.3	82.6	71.2	62.3	60.3
115°	337.8	306.6	270.0	223.1	186.0	144.9	108.3	85.1	74.7	66.3	64.3
117.5°	321.0	295.3	262.6	213.2	179.5	143.4	110.3	88.0	77.2	69.7	67.3
120°	303.7	279.9	250.3	205.3	174.1	138.5	110.8	89.5	79.1	72.7	71.2
122.5°	293.3	266.6	237.4	198.3	167.7	135.0	110.3	91.5	79.6	74.2	74.2
125°	274.0	252.7	223.6	189.4	158.3	133.0	110.3	90.5	81.1	76.2	75.2
127.5°	252.7	238.9	209.7	179.5	151.8	128.1	107.3	90.5	80.6	76.2	76.2
130°	233.0	220.6	196.8	166.2	145.9	121.2	102.9	86.1	77.7	74.7	74.7
132.5°	210.7	202.8	180.5	153.3	134.0	112.8	96.9	79.6	72.7	70.2	70.2
135°	190.4	183.0	162.2	139.5	122.2	104.9	90.0	75.2	66.8	63.8	63.8
137.5°	171.6	164.7	146.4	127.1	111.3	96.9	83.1	70.7	62.3	58.9	59.4
140°	152.3	143.9	131.6	115.2	100.9	89.5	76.2	66.3	58.4	55.4	54.9
142.5°	135.0	128.6	117.2	103.4	91.0	82.1	70.2	61.8	55.4	52.4	51.9
145°	119.2	113.8	103.9	92.5	82.6	74.2	64.8	57.9	52.4	50.0	49.5
147.5°	102.4	98.9	91.5	82.6	74.2	66.8	60.3	53.9	50.4	47.5	47.0
150°	90.0	87.5	81.6	74.2	67.8	61.8	56.9	50.9	48.0	46.0	45.5
152.5°	80.1	77.7	72.7	67.3	61.8	57.4	52.9	49.0	46.0	44.5	44.0
155°	71.7	69.7	65.8	61.3	56.9	52.9	49.5	46.5	44.5	43.0	43.0
157.5°	65.3	63.3	60.3	56.4	52.9	49.5	47.0	44.5	43.5	42.0	42.0
160°	59.8	58.4	55.9	52.4	49.5	47.0	45.0	43.0	42.5	41.5	41.5
162.5°	55.4	54.4	51.9	49.5	47.5	45.5	44.0	42.5	41.5	41.1	41.1
165°	52.4	51.4	50.0	48.0	46.0	44.5	43.5	42.0	41.5	41.5	41.1
167.5°	50.9	50.0	48.5	46.5	45.0	44.5	43.5	42.5	42.0	42.0	41.5
170°	49.5	49.0	48.0	46.5	45.0	44.5	44.0	43.0	43.0	42.5	42.5
172.5°	49.0	48.5	47.5	46.5	45.5	45.0	44.5	44.0	44.0	44.0	43.5
175°	48.5	48.5	47.5	46.5	46.0	46.0	45.5	45.0	45.0	45.0	45.0
177.5°	48.5	48.0	48.0	47.5	47.0	47.0	47.0	46.5	46.5	46.5	46.5
180°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5

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: SP1-2501-332-11

Test Date: 03/26/2025

Luminaire Tested: FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-740-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

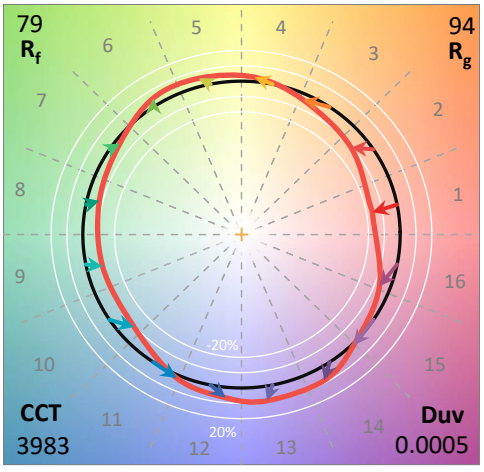
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-11
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-20-740-U-FR-T5-UPLR-P-HSS**
Description:	FAIRFAX ACORN W/ FAIRFAX T5 POLYCARBONATE REFRACTOR 20W WITH UPLIGHT REFLECTOR AND HOUSE SIDE SHIELD

Spectral Parameters

CCT (K):	3983	CRI (Ra):	76.2		
CIE u':	0.2252	R1:	72.6	R9:	-26.0
CIE v':	0.5025	R2:	84.0	R10:	63.7
Duv:	0.0005	R3:	93.4	R11:	72.4
CIE x:	0.3815	R4:	74.5	R12:	56.4
CIE y:	0.3785	R5:	73.8	R13:	75.0
CIE z:	0.2400	R6:	78.3	R14:	96.6
Peak Wavelength (nm):	448	R7:	81.1	R15:	64.5
Dominant Wavelength (nm):	578	R8:	52.1		
Purity:	28.07575				

Rf:	79
Rg:	94.1



Test Conditions

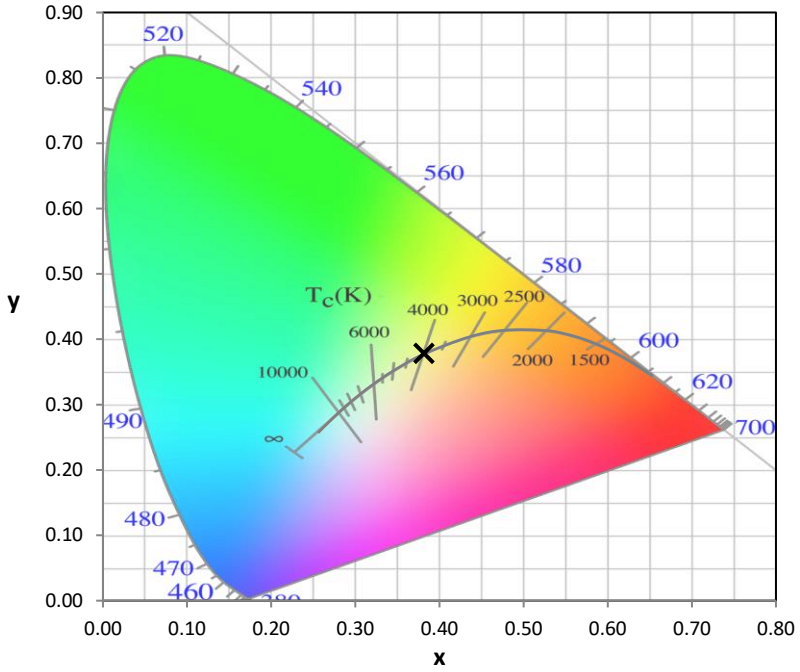
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-11

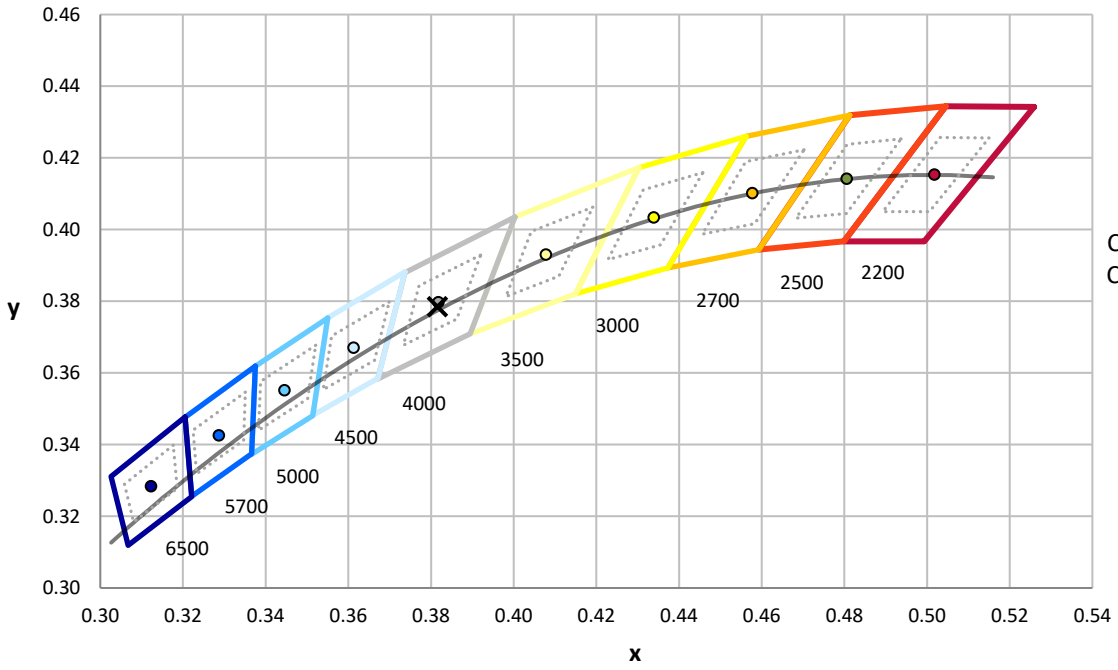
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-11

CIE 1931 Chromaticity Diagram



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

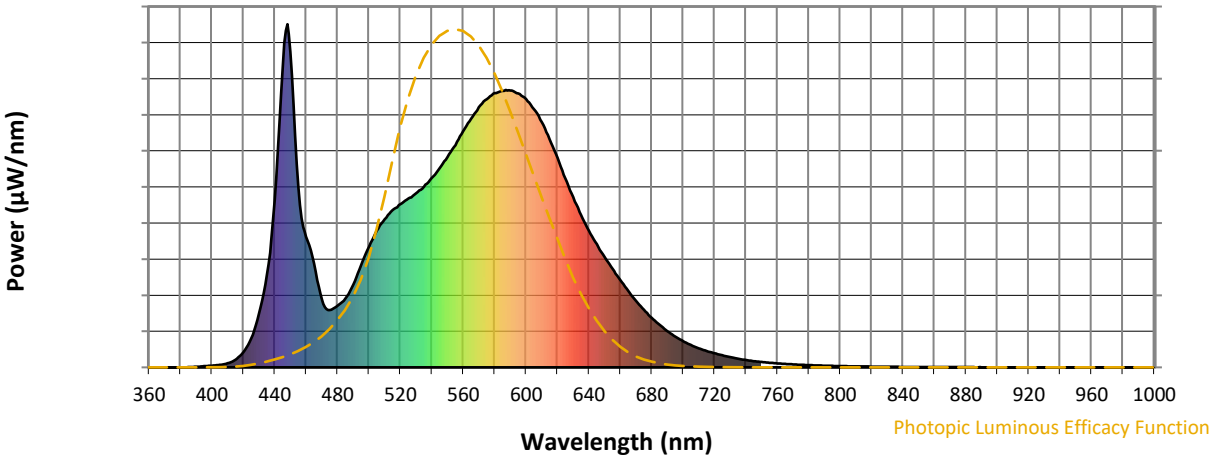


CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

Photopic Flux vs. Wavelength

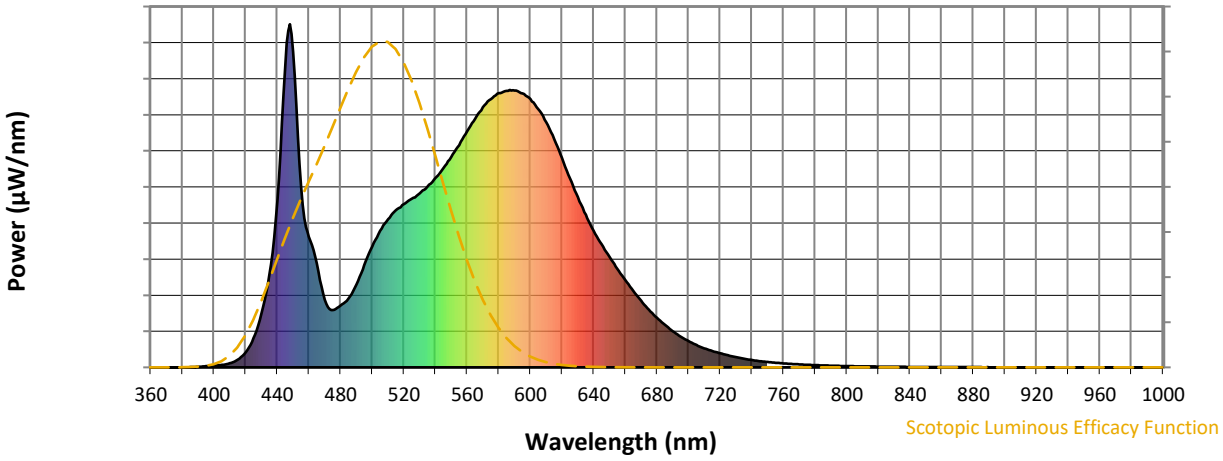


Photopic Lumens: NR

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-11

Scotopic Flux vs. Wavelength

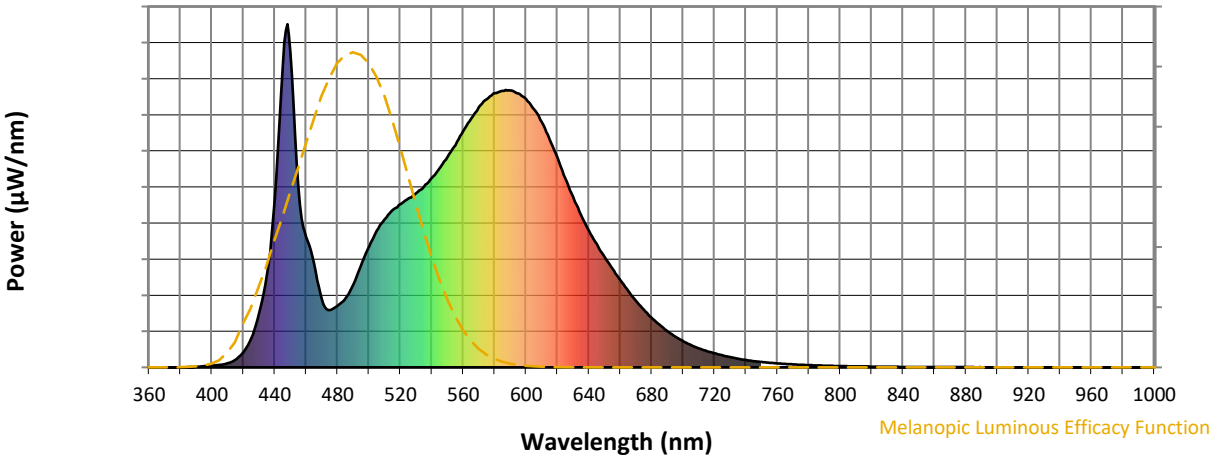


Scotopic Lumens: NR **S/P: 1.61**

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.24**

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	241	NR	620	611	NR	750	16	NR	880	1	NR
365	0	NR	495	298	NR	625	551	NR	755	13	NR	885	1	NR
370	0	NR	500	352	NR	630	496	NR	760	12	NR	890	0	NR
375	0	NR	505	399	NR	635	444	NR	765	10	NR	895	0	NR
380	0	NR	510	432	NR	640	398	NR	770	9	NR	900	0	NR
385	1	NR	515	458	NR	645	359	NR	775	8	NR	905	0	NR
390	2	NR	520	476	NR	650	321	NR	780	7	NR	910	0	NR
395	3	NR	525	492	NR	655	287	NR	785	6	NR	915	0	NR
400	5	NR	530	508	NR	660	254	NR	790	5	NR	920	0	NR
405	7	NR	535	527	NR	665	223	NR	795	4	NR	925	0	NR
410	12	NR	540	552	NR	670	194	NR	800	4	NR	930	0	NR
415	23	NR	545	582	NR	675	168	NR	805	3	NR	935	0	NR
420	44	NR	550	613	NR	680	144	NR	810	3	NR	940	0	NR
425	85	NR	555	648	NR	685	124	NR	815	3	NR	945	0	NR
430	156	NR	560	689	NR	690	105	NR	820	2	NR	950	0	NR
435	272	NR	565	725	NR	695	90	NR	825	2	NR	955	0	NR
440	486	NR	570	758	NR	700	76	NR	830	2	NR	960	0	NR
445	871	NR	575	782	NR	705	65	NR	835	2	NR	965	0	NR
450	919	NR	580	799	NR	710	55	NR	840	1	NR	970	0	NR
455	526	NR	585	806	NR	715	48	NR	845	1	NR	975	0	NR
460	380	NR	590	807	NR	720	41	NR	850	1	NR	980	0	NR
465	303	NR	595	799	NR	725	35	NR	855	1	NR	985	0	NR
470	197	NR	600	782	NR	730	30	NR	860	1	NR	990	0	NR
475	167	NR	605	752	NR	735	25	NR	865	1	NR	995	0	NR
480	180	NR	610	714	NR	740	21	NR	870	1	NR	1000	0	NR
485	201	NR	615	665	NR	745	18	NR	875	1	NR			

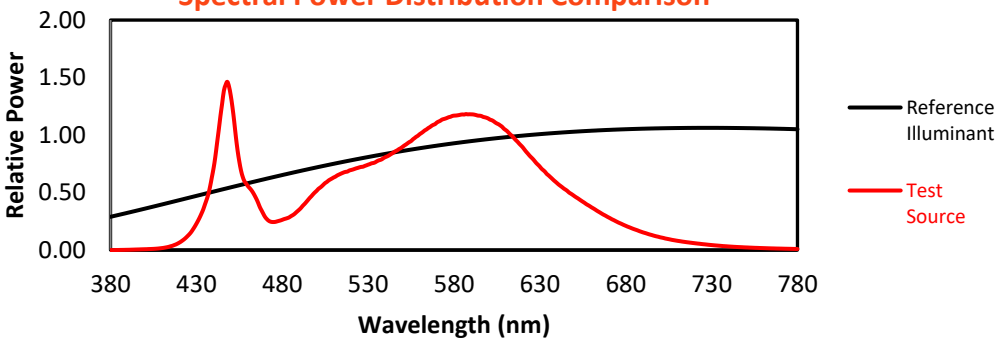
REPORT NUMBER: SP1-2501-332-11

TM-30-18

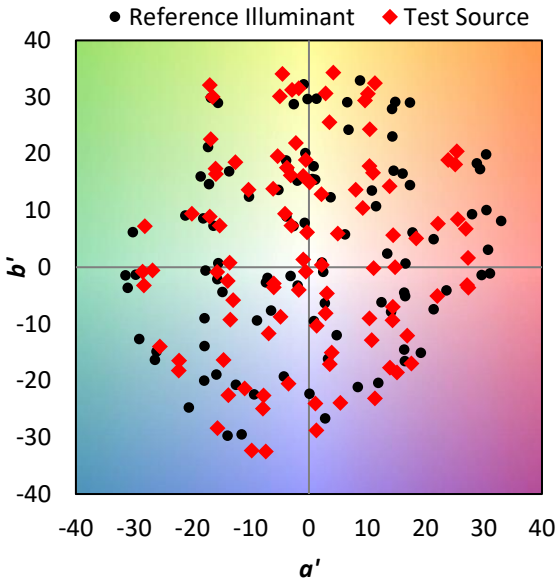
Summary

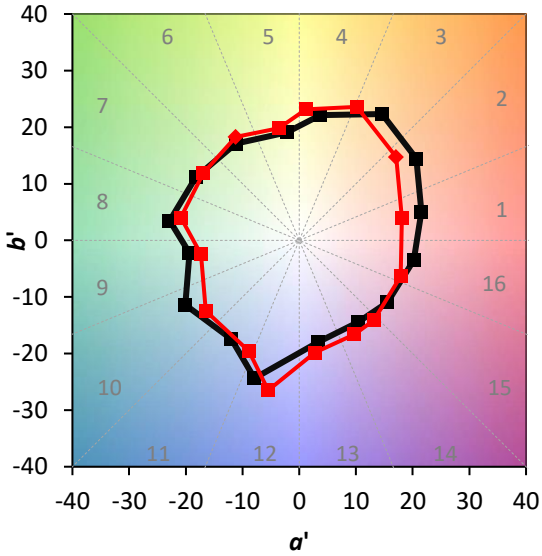
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R_g = 94.1
CIE R_a = 76.2
R_9 = -26.0

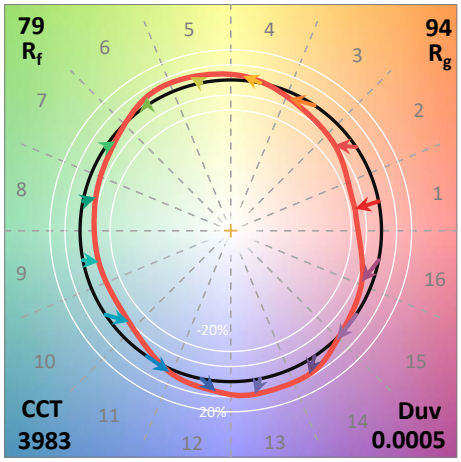
Spectral Power Distribution Comparison

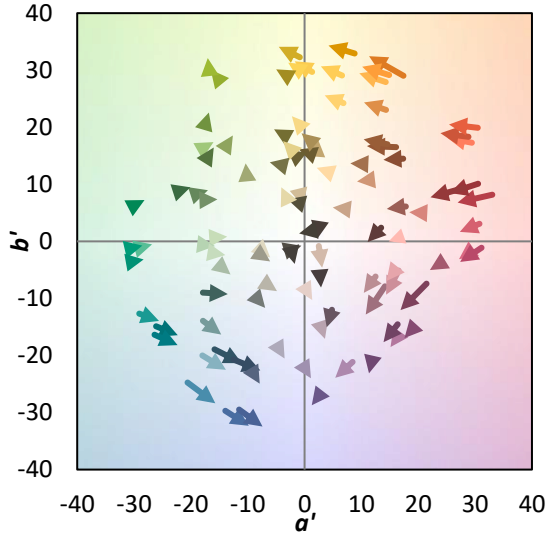


Color Vector Graphics







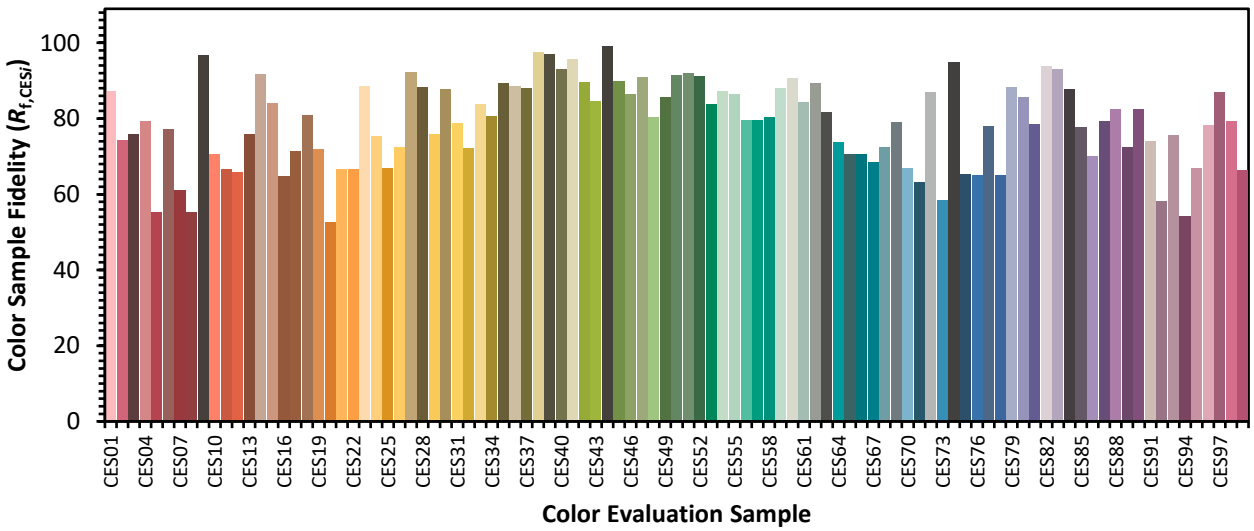


REPORT NUMBER: SP1-2501-332-11

TM-30-18

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

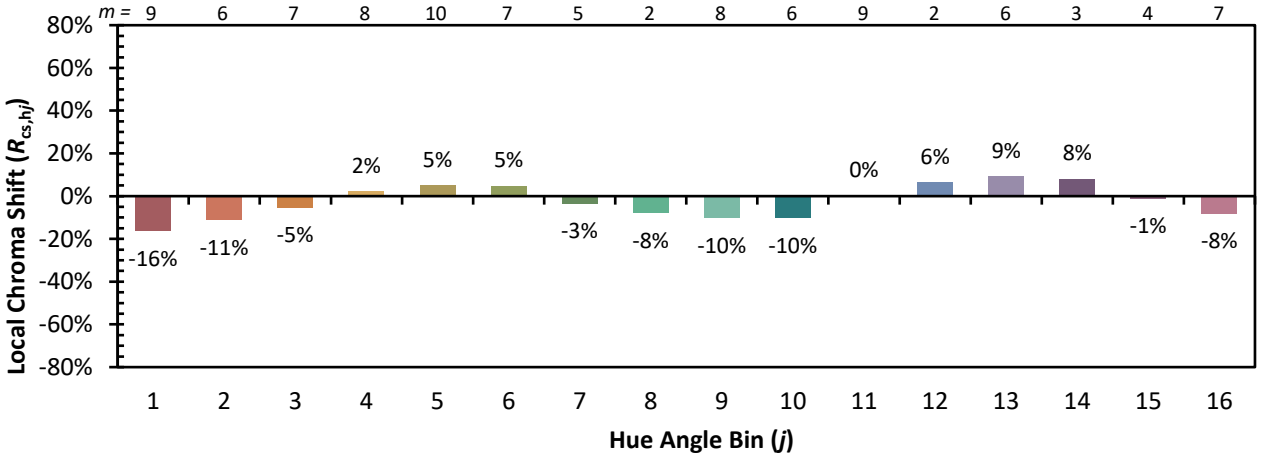
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CES02 = 61	CES27 = 92	CES52 = 91	CES77 = 78
CES03 = 30	CES28 = 88	CES53 = 84	CES78 = 65
CES04 = 70	CES29 = 76	CES54 = 87	CES79 = 88
CES05 = 47	CES30 = 88	CES55 = 86	CES80 = 86
CES06 = 50	CES31 = 79	CES56 = 80	CES81 = 79
CES07 = 40	CES32 = 72	CES57 = 79	CES82 = 94
CES08 = 39	CES33 = 84	CES58 = 80	CES83 = 93
CES09 = 29	CES34 = 81	CES59 = 88	CES84 = 88
CES10 = 74	CES35 = 89	CES60 = 91	CES85 = 78
CES11 = 57	CES36 = 88	CES61 = 84	CES86 = 70
CES12 = 63	CES37 = 88	CES62 = 89	CES87 = 79
CES13 = 42	CES38 = 98	CES63 = 82	CES88 = 82
CES14 = 74	CES39 = 97	CES64 = 74	CES89 = 72
CES15 = 71	CES40 = 93	CES65 = 71	CES90 = 83
CES16 = 46	CES41 = 96	CES66 = 71	CES91 = 74
CES17 = 49	CES42 = 90	CES67 = 68	CES92 = 58
CES18 = 56	CES43 = 85	CES68 = 72	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 79	CES94 = 54
CES20 = 65	CES45 = 90	CES70 = 67	CES95 = 67
CES21 = 86	CES46 = 87	CES71 = 63	CES96 = 78
CES22 = 78	CES47 = 91	CES72 = 87	CES97 = 87
CES23 = 91	CES48 = 80	CES73 = 58	CES98 = 79
CES24 = 91	CES49 = 86	CES74 = 95	CES99 = 66
CES25 = 72	CES50 = 92	CES75 = 65	

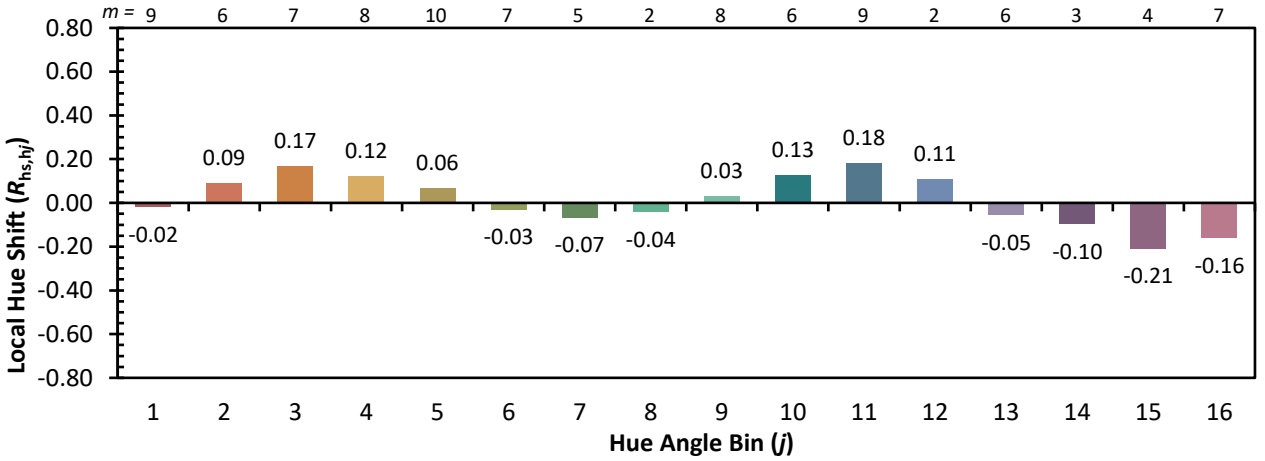


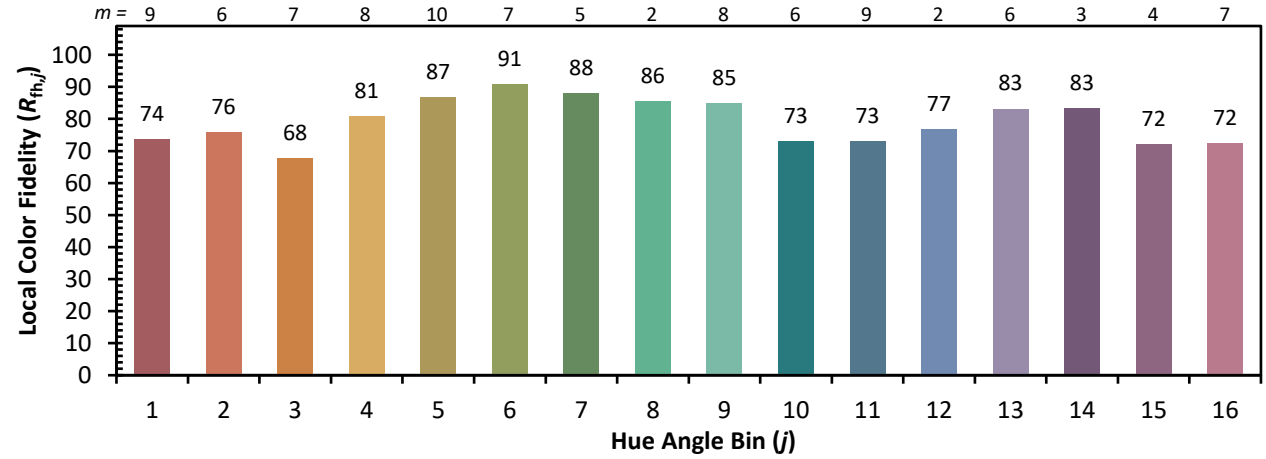
REPORT NUMBER: SP1-2501-332-11

TM-30-18

Color Rendition by Hue-Angle Bin



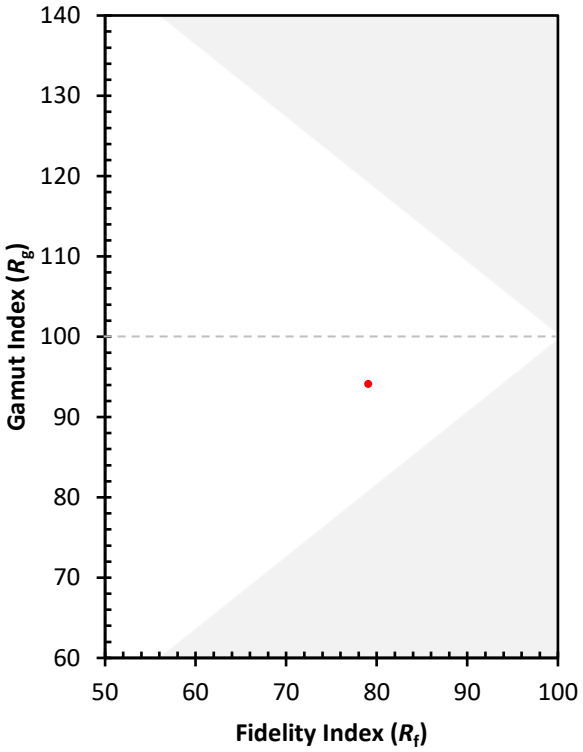


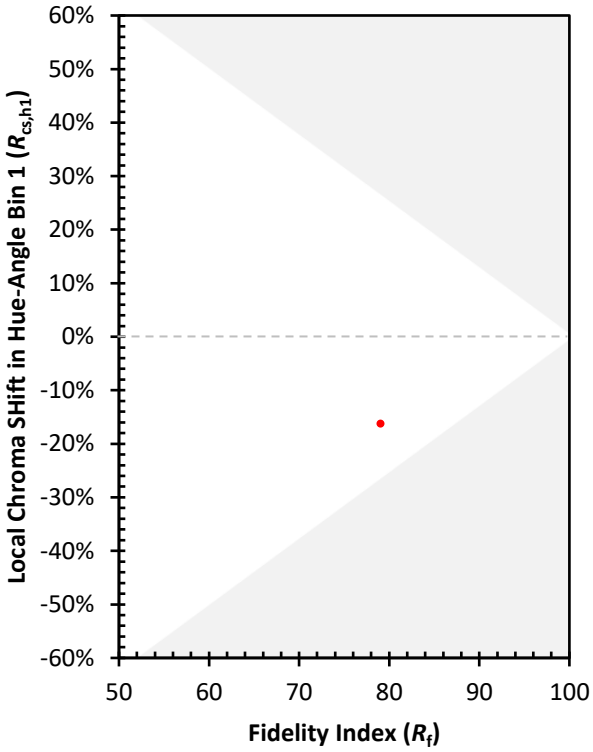


REPORT NUMBER: SP1-2501-332-11

TM-30-18

Measure Comparisons





(END OF REPORT)