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: P1045765

Luminaire Tested: **FFX-CLB-40-740-U-FR-T5-UPLR-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:	P1045765
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-FR-T5-UPLR-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS, UPLIGHT REFLECTOR AND HOUSESIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4300.3 lumens
Efficiency:	N/A
Efficacy:	109.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U3 - G2

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

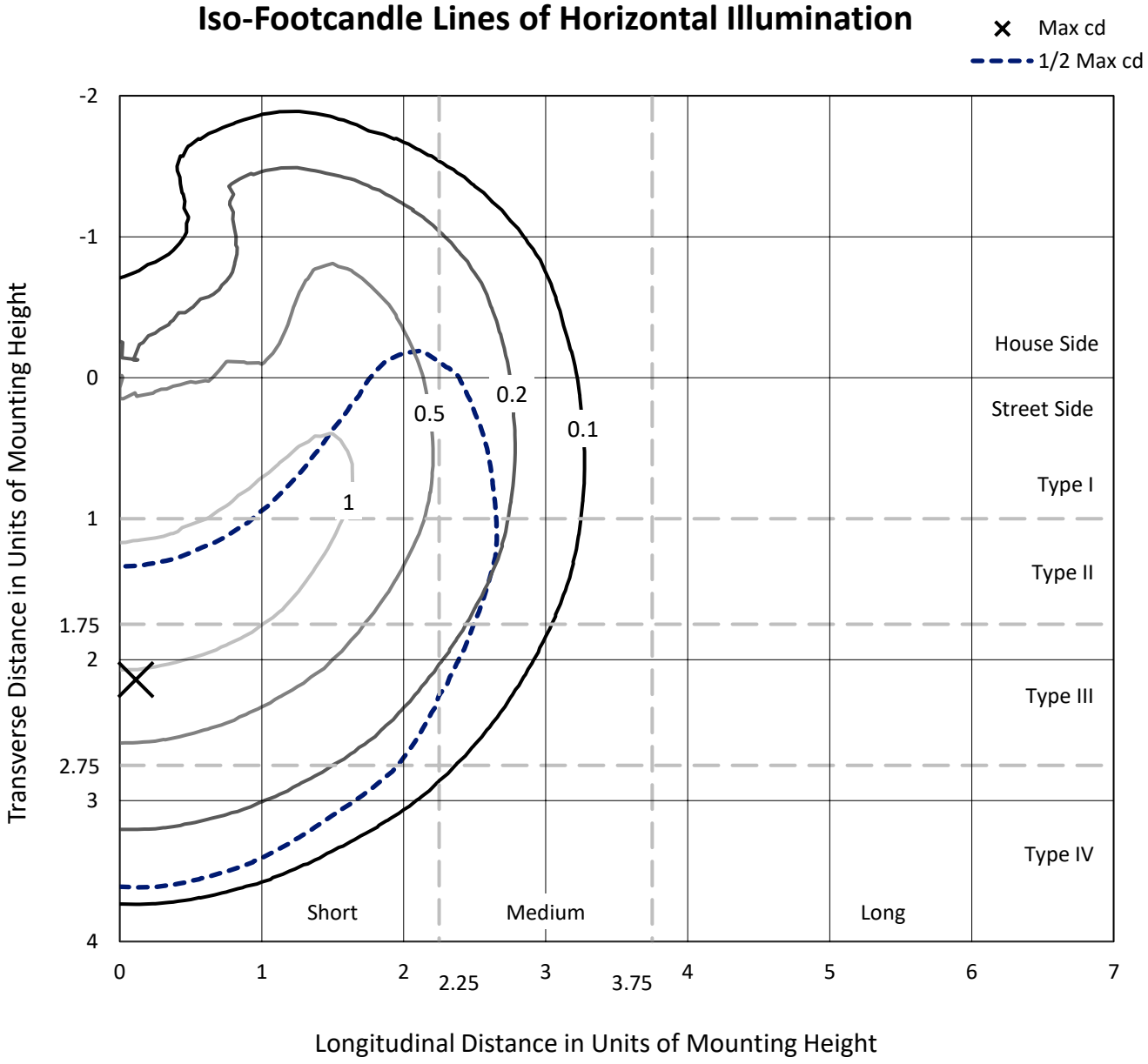


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Iso-Footcandle Lines of Horizontal Illumination



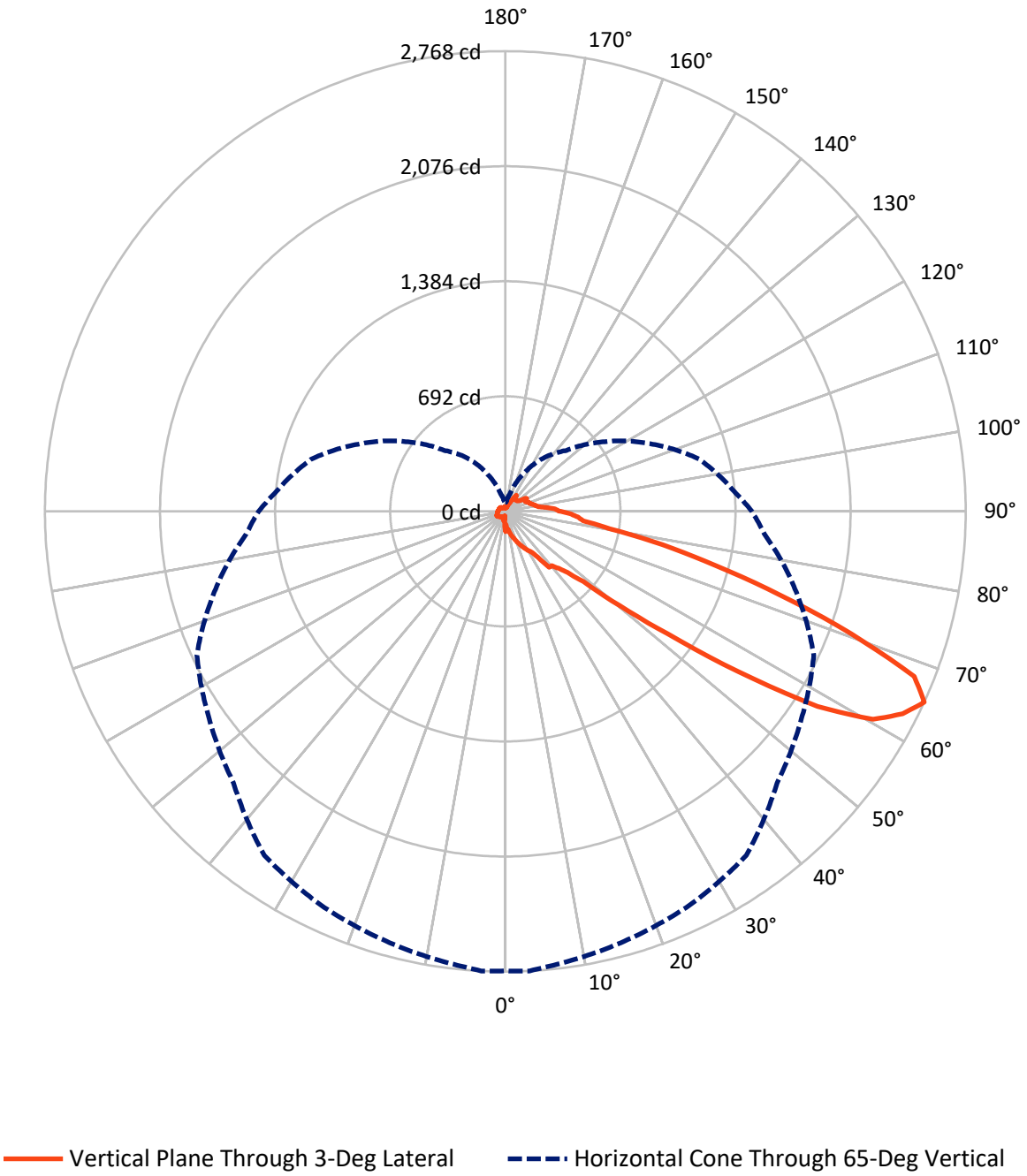
Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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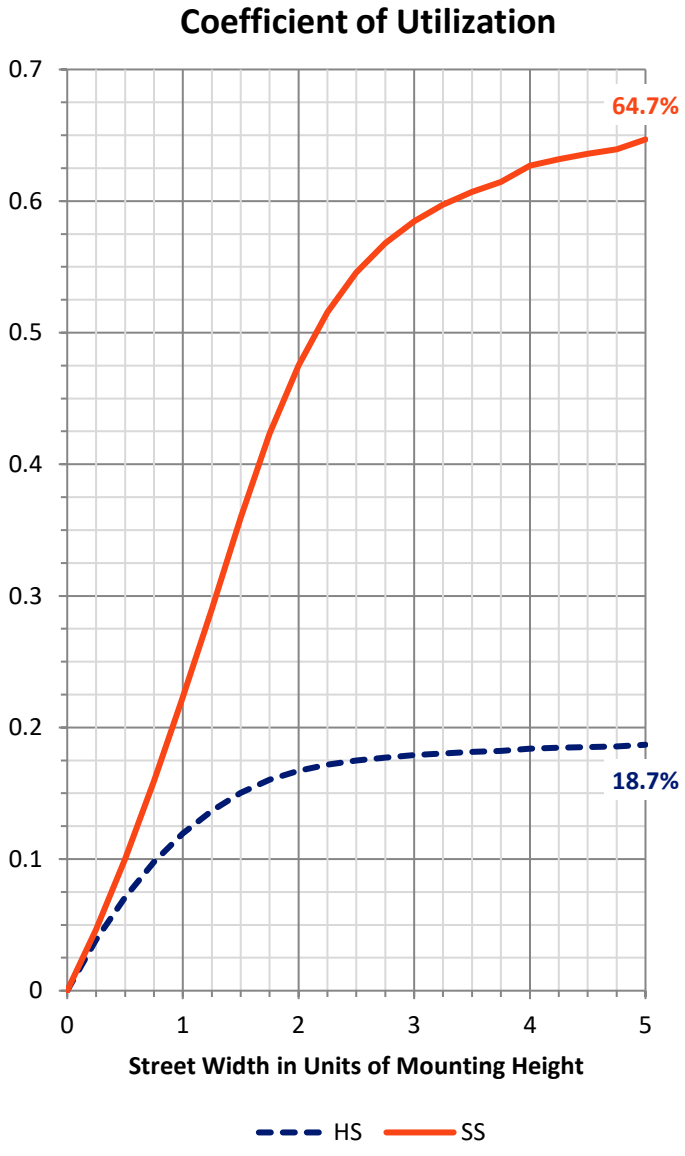
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.0	180.9	1012.9
	% Fixture	19.3	4.2	23.6
Street Side	Lumens	2901.1	386.3	3287.4
	% Fixture	67.5	9.0	76.4
Total	Lumens	3733.1	567.2	4300.3
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.2
10°-20°	29.3	0.7
20°-30°	65.4	1.5
30°-40°	132.1	3.1
40°-50°	265.4	6.2
50°-60°	851.7	19.8
60°-70°	1358.5	31.6
70°-80°	739.0	17.2
80°-90°	284.0	6.6
90°-100°	169.3	3.9
100°-110°	112.3	2.6
110°-120°	89.5	2.1
120°-130°	74.6	1.7
130°-140°	51.4	1.2
140°-150°	41.5	1.0
150°-160°	18.5	0.4
160°-170°	7.5	0.2
170°-180°	2.5	0.1
0°-90°	3733.1	86.8
0°-180°	4300.3	100.0



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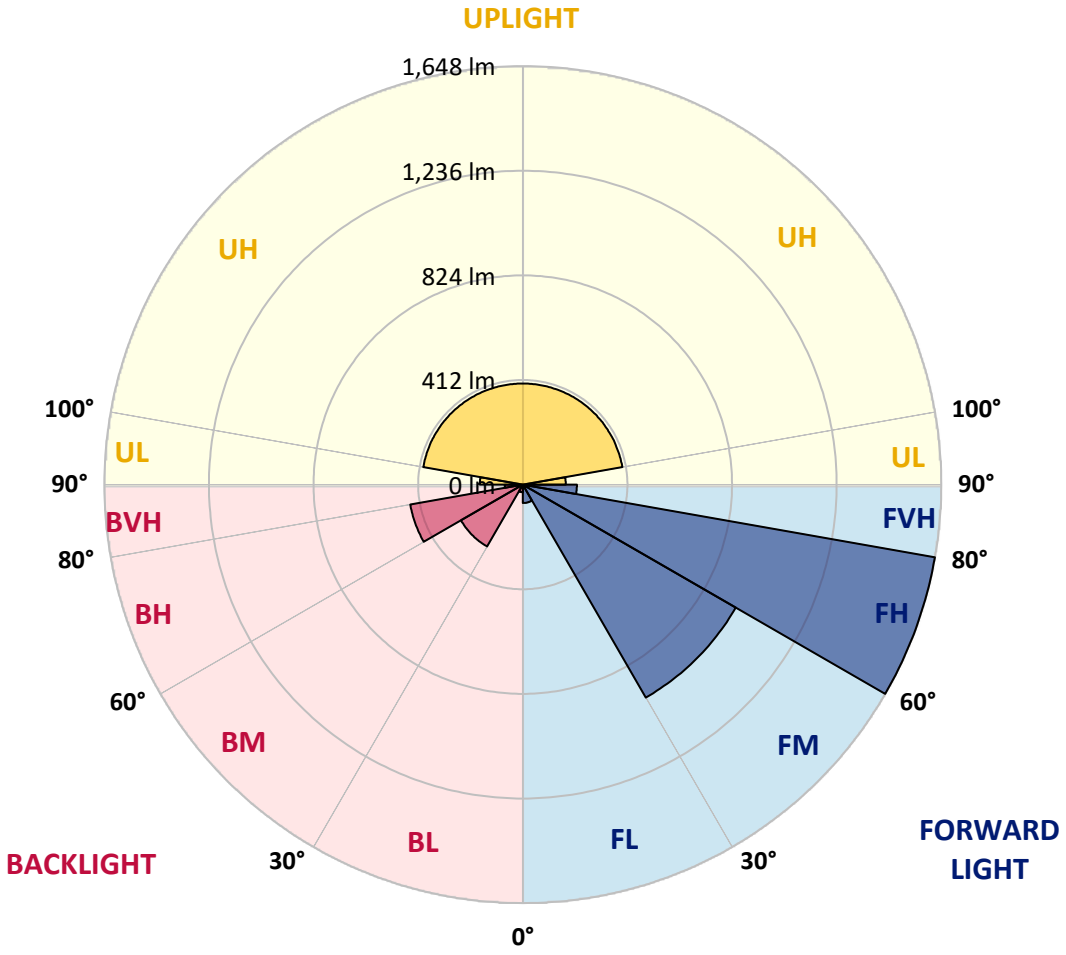
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	72.5	1.7			
FM	(30°-60°)	968.1	22.5			
FH	(60°-80°)	1647.6	38.3			G1/1800
FVH	(80°-90°)	212.9	5.0			G2/225
BL	(0°-30°)	29.8	0.7	B0/110		
BM	(30°-60°)	281.1	6.5	B1/1000		
BH	(60°-80°)	449.9	10.5	B1/500		G1/500
BVH	(80°-90°)	71.1	1.7			G1/100
UL	(90°-100°)	169.3	3.9		U3/500	
UH	(100°-180°)	397.9	9.3		U3/500	

BUG Rating: B1-U3-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5
2.5°	78.6	78.1	79.5	86.5	104.3	110.2	105.2	96.8	95.4	104.3	111.2
5°	107.2	106.2	105.2	98.3	91.4	94.9	104.7	107.2	97.3	79.1	67.2
7.5°	108.7	107.7	108.2	108.2	106.7	100.3	92.9	96.3	104.7	93.4	73.6
10°	121.0	120.6	120.6	120.1	118.6	116.6	116.1	108.7	95.9	86.0	82.0
12.5°	141.3	141.3	140.8	140.3	138.8	135.4	130.9	125.0	121.0	109.2	96.8
15°	157.6	156.1	157.1	155.6	153.2	151.2	145.8	139.3	127.5	119.6	108.7
17.5°	173.4	173.4	173.9	171.4	168.5	167.0	161.1	152.7	141.3	127.5	117.1
20°	193.2	191.7	191.7	189.2	185.8	180.8	175.4	168.0	158.6	139.8	126.0
22.5°	212.0	212.5	212.5	208.5	203.1	198.6	191.2	182.3	173.4	154.2	136.4
25°	233.2	232.7	232.2	231.7	226.3	218.4	209.0	199.6	193.2	174.4	149.7
27.5°	253.0	252.0	251.5	254.0	249.0	241.1	227.3	215.9	209.0	189.7	162.1
30°	274.7	274.2	274.2	275.2	273.2	260.9	246.1	232.7	222.8	203.6	173.9
32.5°	294.0	293.0	293.5	297.4	296.9	281.1	267.8	251.5	239.1	223.8	191.2
35°	341.4	339.4	342.4	348.3	352.8	336.0	317.7	292.5	273.7	257.9	224.3
37.5°	426.9	427.4	428.4	420.5	403.7	391.3	382.4	362.2	338.9	312.3	272.7
40°	430.3	429.8	432.3	444.2	451.1	429.8	409.1	385.4	379.5	356.7	306.3
42.5°	470.4	467.4	469.9	481.2	490.6	477.8	459.5	419.5	397.7	377.5	336.0
45°	527.7	524.2	528.7	530.6	528.7	514.8	517.8	485.2	464.9	423.9	366.1
47.5°	615.1	630.9	633.4	633.9	653.7	634.9	623.0	591.9	546.0	497.0	431.3
50°	863.7	889.3	880.4	872.0	873.5	859.2	842.9	799.9	738.2	655.6	561.8
52.5°	1232.7	1222.8	1224.3	1229.8	1243.6	1179.9	1152.2	1087.5	987.7	888.8	753.5
55°	1684.3	1701.1	1700.1	1717.9	1715.4	1646.8	1559.3	1450.6	1305.4	1160.6	1000.5
57.5°	2242.6	2213.0	2193.2	2160.6	2132.4	2039.1	1981.3	1863.7	1671.5	1454.1	1248.5
60°	2555.9	2539.6	2534.6	2489.7	2451.1	2336.5	2217.4	2090.0	1939.8	1682.8	1449.6
62.5°	2673.5	2681.4	2674.5	2645.3	2619.6	2519.3	2319.2	2180.4	2046.0	1798.9	1553.4
65°	2763.9	2768.3	2752.5	2686.3	2616.1	2526.2	2310.8	2173.9	2046.5	1803.4	1563.3
67.5°	2653.2	2652.2	2639.9	2544.5	2425.9	2337.0	2141.3	1994.1	1885.9	1682.8	1451.1
70°	2203.1	2206.1	2208.5	2138.4	2008.4	1942.2	1744.1	1617.6	1524.2	1348.8	1182.3
72.5°	1724.8	1733.7	1737.7	1682.8	1586.5	1518.3	1385.9	1291.0	1204.1	1064.7	933.8
75°	1297.5	1306.3	1303.9	1269.8	1202.1	1183.3	1119.1	1038.1	965.4	857.2	746.6
77.5°	973.3	965.9	963.9	930.8	864.1	869.1	850.8	804.4	748.0	684.3	607.2
80°	644.8	638.4	625.5	636.9	631.4	615.6	585.5	561.8	539.5	501.5	459.5
82.5°	474.3	472.3	469.9	462.5	457.5	453.6	440.2	402.2	375.5	353.8	328.6
85°	443.7	437.8	438.7	425.9	410.6	396.7	386.4	370.1	349.3	315.2	278.7
87.5°	387.4	387.4	384.4	375.5	360.2	356.7	349.3	338.0	325.6	299.4	266.8
90°	322.1	320.2	320.2	319.7	316.2	313.7	299.4	289.0	283.6	257.4	234.7
92.5°	297.4	296.4	294.5	292.0	282.1	280.1	265.8	252.5	240.6	224.3	206.5
95°	241.6	243.6	239.1	238.6	233.7	230.7	219.4	212.9	205.0	191.7	175.4
97.5°	204.1	201.1	201.6	197.1	192.2	190.2	183.3	173.9	166.5	156.1	144.3
100°	187.3	186.8	185.8	182.3	175.4	171.0	163.5	154.6	147.2	137.8	128.0
102.5°	176.4	175.9	175.4	172.4	164.5	162.1	155.1	148.2	141.8	133.4	120.6
105°	165.5	165.0	164.0	160.6	155.6	153.2	146.7	142.8	136.4	129.0	116.6
107.5°	155.6	155.6	155.1	151.2	148.2	146.2	139.8	136.4	129.4	123.0	111.2
110°	150.7	150.7	150.2	147.2	141.3	138.3	132.4	128.0	121.5	115.1	105.7

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	145.3	*145.8*	145.8	146.7	132.4	127.0	122.0	118.6	113.1	107.2	99.3
115°	132.9	*133.4*	132.9	137.8	132.9	125.5	122.5	116.6	109.7	100.3	91.9
117.5°	133.9	*133.9*	134.9	137.4	134.9	128.0	121.5	114.1	108.2	98.8	91.4
120°	151.7	*150.7*	150.7	145.8	144.8	138.3	133.9	126.0	116.1	106.7	96.3
122.5°	145.8	*145.3*	145.8	137.8	137.4	135.9	134.4	132.9	120.1	114.6	101.3
125°	116.6	*115.6*	115.1	112.2	117.1	113.6	112.7	116.1	107.7	102.8	95.4
127.5°	104.3	*103.3*	102.8	101.8	104.7	98.8	97.8	98.8	92.4	86.5	82.0
130°	99.8	*98.3*	98.3	101.8	106.2	101.3	95.9	91.9	89.4	85.5	78.1
132.5°	94.4	*94.4*	94.9	99.3	107.2	101.8	91.9	84.0	83.0	83.5	80.0
135°	92.9	*92.4*	92.9	91.4	90.9	87.9	83.5	77.1	75.6	79.5	75.6
137.5°	95.4	*94.9*	94.4	90.4	86.0	83.5	82.5	78.6	74.6	72.1	68.2
140°	94.4	*94.4*	93.9	92.9	89.9	85.0	84.0	80.0	76.1	71.6	66.7
142.5°	95.9	*97.3*	98.3	99.3	98.3	92.9	87.5	81.0	76.6	74.1	68.7
145°	118.1	*118.1*	118.1	116.1	112.7	108.2	104.3	99.8	96.3	88.4	81.0
147.5°	97.8	*97.8*	97.3	97.8	97.8	95.9	95.4	93.9	94.4	90.4	83.0
150°	67.7	*69.2*	69.2	71.6	72.6	71.6	71.6	72.6	71.1	70.7	66.7
152.5°	54.8	*54.3*	53.4	54.3	54.3	54.8	54.8	53.9	53.4	53.4	50.9
155°	48.4	*48.4*	48.4	47.9	46.9	47.4	47.9	47.9	46.4	45.5	43.5
157.5°	38.5	*38.0*	38.0	39.0	39.0	39.0	39.0	39.0	39.0	39.5	40.0
160°	32.6	*31.6*	32.1	32.1	32.6	33.1	32.6	33.1	33.1	33.6	33.1
162.5°	26.7	*26.2*	26.2	26.7	27.2	27.7	28.2	28.2	28.7	29.6	30.1
165°	23.7	*23.7*	23.7	24.2	24.2	24.7	25.2	25.7	26.7	28.2	28.7
167.5°	22.2	*22.2*	22.2	22.2	22.7	23.2	24.2	25.7	26.7	28.2	28.2
170°	21.7	*21.7*	22.2	22.2	22.2	22.7	24.7	26.2	26.7	27.2	27.2
172.5°	22.7	*22.7*	22.7	22.7	22.7	23.7	26.2	26.7	26.7	26.7	27.2
175°	23.7	*23.7*	23.2	23.2	23.7	24.2	24.7	27.2	28.2	28.7	29.6
177.5°	22.2	*22.2*	22.2	22.7	22.7	23.2	23.7	24.7	24.7	25.7	27.2
180°	24.7	*24.7*	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5	121.5
2.5°	116.1	124.5	114.1	103.3	95.4	99.8	104.7	100.8	96.3	96.8	88.4
5°	69.7	71.6	72.6	63.2	52.4	58.3	71.1	66.7	51.4	28.7	24.7
7.5°	67.2	64.2	63.2	70.2	63.7	42.5	33.1	30.1	40.0	47.9	50.4
10°	79.5	76.1	68.7	56.3	49.9	46.9	45.9	44.0	38.0	29.6	28.2
12.5°	91.4	87.5	80.5	74.6	66.2	55.3	48.4	46.4	49.9	55.8	55.8
15°	103.3	97.8	88.9	81.0	74.6	62.7	53.9	45.9	45.0	46.4	46.4
17.5°	111.7	105.7	95.4	84.5	73.1	61.8	51.4	43.5	40.0	39.0	39.0
20°	120.1	114.6	102.3	90.4	76.6	63.2	51.4	43.0	39.0	37.6	37.1
22.5°	130.9	124.0	110.2	97.3	80.5	64.2	50.9	43.5	39.0	36.6	36.1
25°	143.3	135.4	119.6	104.3	84.5	65.2	51.4	44.0	39.5	36.6	36.1
27.5°	153.2	144.8	129.4	112.2	89.4	67.7	53.4	45.0	40.0	37.1	36.6
30°	164.5	155.6	138.3	120.6	95.4	71.6	57.3	47.9	42.0	38.0	38.0
32.5°	181.8	170.0	150.7	128.5	101.3	76.1	61.8	51.4	44.0	41.0	41.0
35°	210.0	198.1	172.4	143.8	107.7	80.5	65.2	54.8	46.4	42.5	42.5
37.5°	254.9	237.2	208.5	169.0	118.1	84.0	69.2	57.3	47.9	42.5	41.5
40°	281.1	261.4	225.3	187.8	130.9	88.4	72.1	59.3	48.9	43.0	42.5
42.5°	310.3	287.6	241.1	192.7	139.3	98.8	76.6	61.3	49.9	44.5	43.5
45°	340.9	319.2	277.2	218.9	159.1	113.1	84.0	65.2	52.9	46.4	45.5
47.5°	396.7	370.1	315.7	255.9	188.2	135.9	100.3	71.6	56.3	48.4	47.4
50°	522.2	497.5	421.9	332.5	234.7	168.5	125.5	85.0	61.8	49.9	48.4
52.5°	692.2	648.2	562.8	450.6	327.6	236.2	167.5	114.6	70.2	51.4	48.9
55°	939.2	890.3	763.8	617.6	448.6	342.9	253.5	172.4	99.8	52.9	48.4
57.5°	1184.8	1125.5	1019.3	819.2	602.8	437.3	338.9	252.5	145.3	59.3	49.9
60°	1360.7	1288.6	1157.1	973.8	731.2	514.3	382.9	275.2	161.6	60.8	51.4
62.5°	1464.5	1374.0	1209.0	990.1	761.9	546.5	400.7	259.9	138.8	59.3	53.4
65°	*1483.2*	*1380.5*	*1209.0*	*962.0*	*730.2*	*518.3*	*387.4*	*240.1*	*109.7*	*56.8*	*54.8*
67.5°	1375.5	1279.7	1134.9	883.4	647.7	445.2	333.5	197.6	83.5	54.8	54.3
70°	1129.0	1056.8	938.8	721.8	525.7	362.2	265.3	152.2	67.7	52.4	51.4
72.5°	880.9	814.2	725.8	566.2	406.6	287.1	202.6	119.1	60.3	50.4	49.9
75°	693.2	643.3	570.2	447.1	305.8	217.4	153.7	89.9	54.3	49.4	48.4
77.5°	567.2	534.6	459.0	341.4	228.3	161.6	114.6	71.6	51.9	48.4	47.9
80°	441.2	414.0	366.6	255.4	163.5	121.5	90.4	63.2	50.4	47.9	47.4
82.5°	314.7	305.3	265.3	198.6	136.4	104.3	81.5	60.8	49.9	47.4	46.9
85°	262.9	249.5	219.9	172.4	125.5	99.3	78.1	59.8	49.9	47.4	46.9
87.5°	254.0	242.1	214.9	164.5	118.1	93.4	74.6	57.8	48.9	46.4	46.4
90°	224.3	212.5	191.7	148.2	108.7	87.0	69.7	54.8	46.9	44.5	44.5
92.5°	198.6	191.7	171.9	135.9	104.3	83.5	67.2	53.4	45.9	44.0	43.5
95°	168.0	162.1	146.7	122.5	97.8	79.5	65.2	51.9	45.0	43.0	43.0
97.5°	139.3	134.4	122.5	103.8	84.5	70.7	58.8	48.9	43.5	42.0	42.0
100°	123.0	119.1	108.7	93.4	78.1	66.2	56.8	48.4	43.0	41.0	41.0
102.5°	116.6	112.7	102.3	88.4	74.1	63.2	55.3	47.4	42.5	40.5	40.0
105°	111.7	107.7	98.3	84.0	70.2	60.3	52.4	46.4	41.5	40.0	39.5
107.5°	106.7	102.3	93.4	79.1	66.7	57.3	50.4	45.0	41.0	39.5	39.5
110°	101.3	97.3	88.9	75.1	64.2	55.3	49.4	44.5	41.0	39.5	39.5

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

Scaled Data Report

REPORT NUMBER: P1045765
CATALOG NUMBER: FFX-CLB-40-740-U-FR-T5-UPLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	95.4	91.4	83.5	71.1	61.8	53.9	48.4	44.0	41.0	39.5	39.5
115°	88.4	85.0	77.6	67.2	58.8	51.9	46.9	43.0	40.0	39.0	39.0
117.5°	86.5	82.5	75.1	65.7	57.8	50.4	45.9	42.0	39.5	38.5	38.5
120°	90.9	85.5	77.6	68.7	57.8	49.4	45.0	41.5	39.0	38.0	38.0
122.5°	96.8	92.4	83.5	67.2	55.8	48.4	44.0	41.0	38.5	38.0	38.0
125°	91.4	88.4	80.0	62.3	53.9	47.4	43.5	41.0	39.0	38.0	38.0
127.5°	80.0	77.1	70.7	59.3	51.9	46.4	43.0	41.0	39.5	38.0	38.0
130°	75.6	71.6	65.7	56.8	49.9	45.0	42.5	41.0	39.5	37.6	37.1
132.5°	77.6	74.1	64.7	53.4	46.9	43.0	41.0	40.0	37.1	35.1	34.6
135°	73.1	69.7	60.3	50.9	45.5	42.5	40.5	37.6	34.6	32.1	32.1
137.5°	65.2	61.3	55.8	48.9	45.0	43.5	41.0	37.1	33.1	31.1	31.1
140°	64.7	60.3	55.3	48.4	44.0	40.0	37.1	33.1	30.1	29.2	28.7
142.5°	65.7	62.7	55.8	47.9	42.0	37.1	33.6	30.6	28.7	27.2	27.2
145°	76.1	71.6	62.7	52.4	45.5	39.5	34.6	30.6	27.7	25.2	24.7
147.5°	78.6	74.1	66.2	57.3	48.4	41.0	34.1	29.2	25.2	23.2	22.7
150°	65.7	62.7	58.3	51.4	43.5	36.1	30.1	25.7	23.2	22.2	21.7
152.5°	49.9	48.9	45.9	41.0	35.6	30.6	26.7	24.2	22.7	22.2	21.7
155°	42.5	42.0	39.0	35.1	30.6	27.2	24.7	23.2	22.2	22.2	21.7
157.5°	39.5	38.5	36.1	32.1	28.2	26.2	23.7	22.7	22.2	22.2	22.2
160°	33.1	32.1	30.1	28.7	26.2	24.7	23.2	22.7	22.2	22.2	21.7
162.5°	29.6	28.7	27.7	26.2	25.7	25.2	24.7	23.7	23.2	22.7	22.7
165°	28.2	27.7	26.2	25.7	25.7	26.2	26.2	25.2	24.2	23.2	23.2
167.5°	27.7	27.2	26.2	25.7	26.7	27.2	27.7	26.7	25.7	24.2	23.7
170°	27.7	27.7	27.2	26.7	27.2	27.7	28.2	28.2	27.7	26.7	26.7
172.5°	27.7	28.2	27.7	27.7	27.7	27.7	27.7	28.7	28.7	28.2	28.2
175°	29.6	29.6	28.2	27.7	28.2	28.7	29.2	28.7	28.7	29.2	29.2
177.5°	27.2	28.2	30.1	30.6	31.6	31.6	30.6	30.1	28.7	28.2	28.2
180°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

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

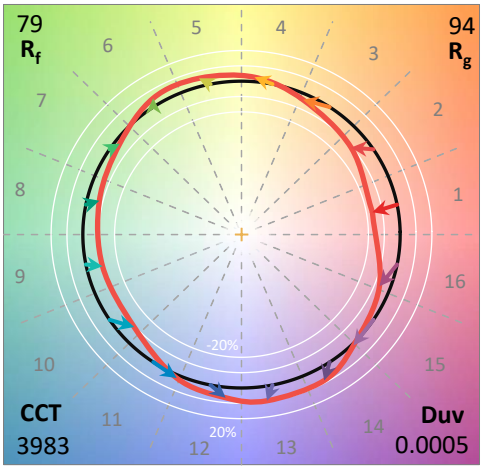
Test Information

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

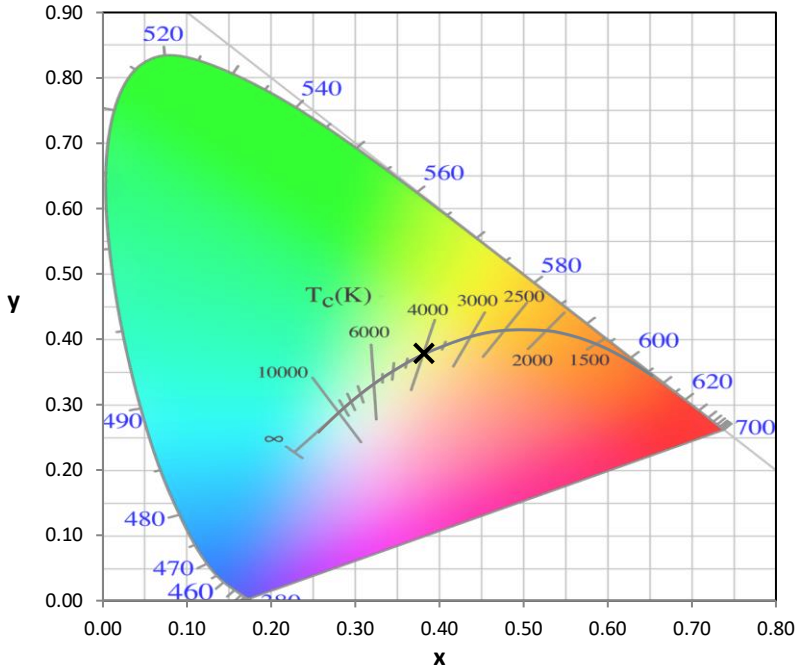
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.8

REPORT NUMBER: SP1-2501-332-11

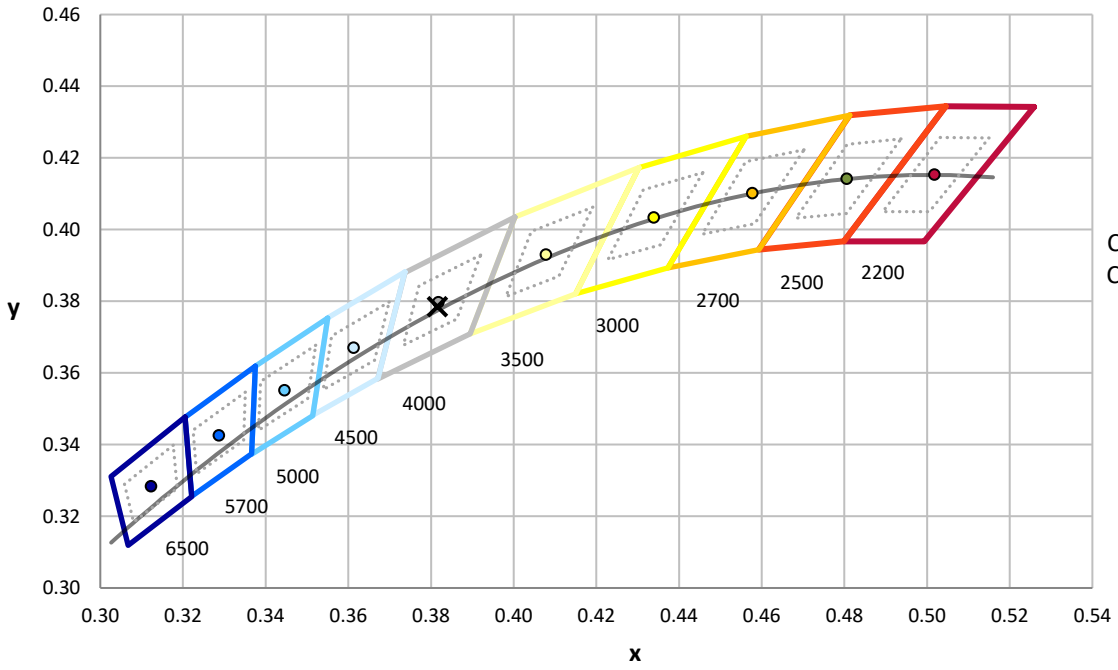
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

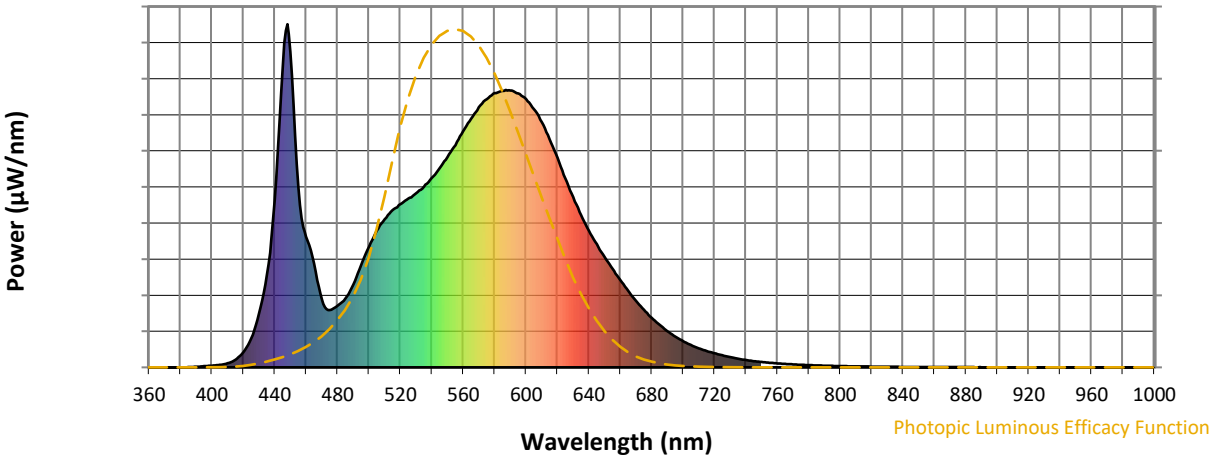


CCT = 3983K
CIE x = 0.3815
CIE y = 0.3785
Duv = 0.0005

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-11

Photopic Flux vs. Wavelength

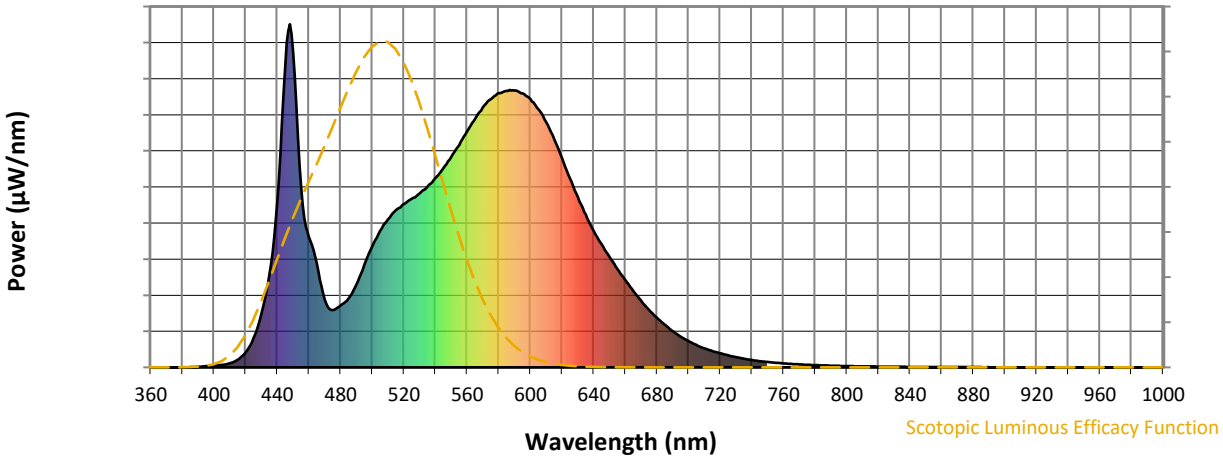


Photopic Lumens: NR

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

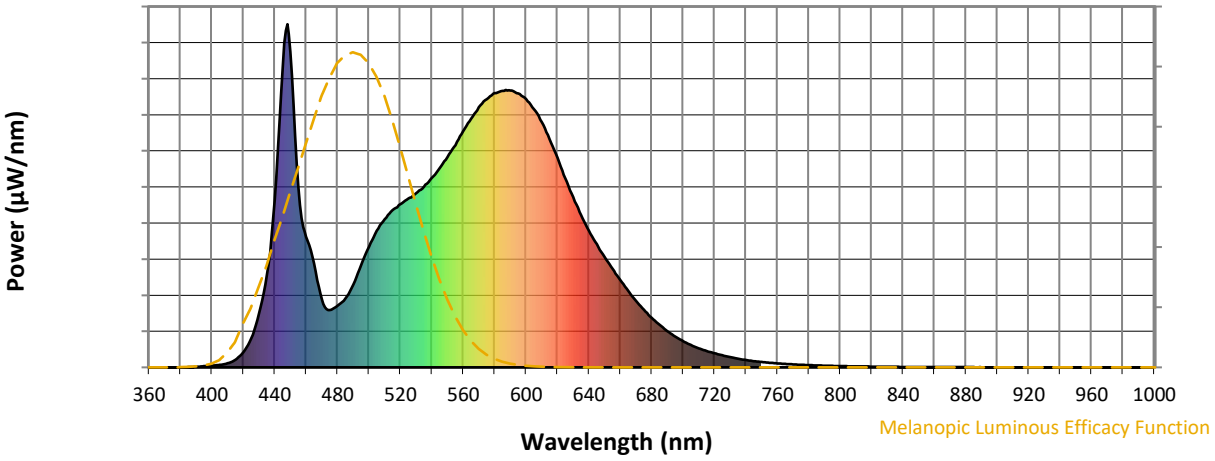


Scotopic Lumens: NR **S/P: 1.61**

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			

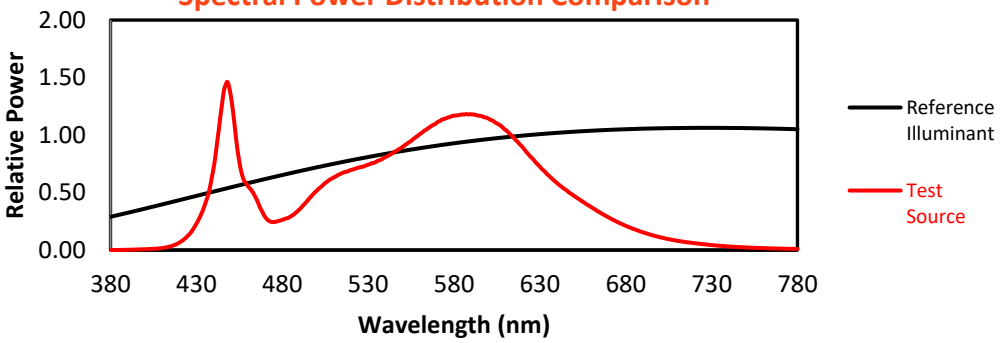
REPORT NUMBER: SP1-2501-332-11

TM-30-18

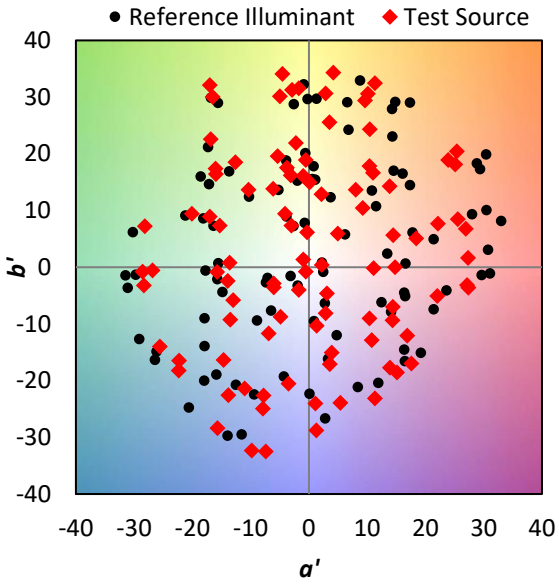
Summary

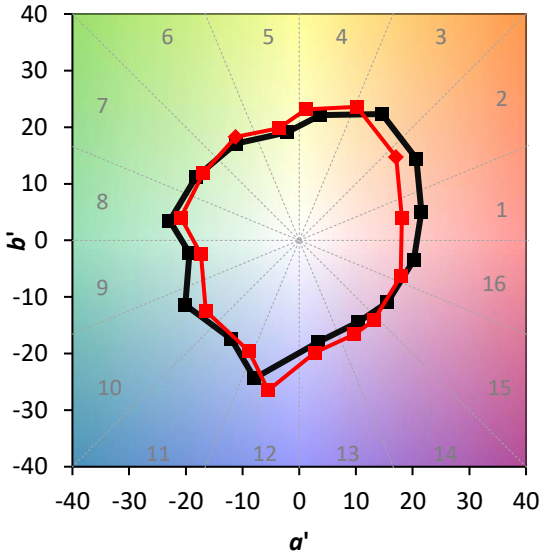
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R_g = 94.1
CIE R_a = 76.2
R_9 = -26.0

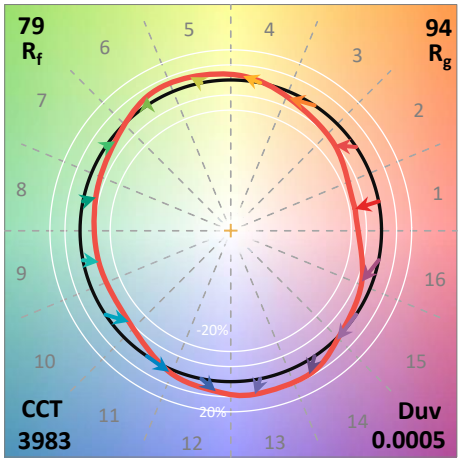
Spectral Power Distribution Comparison

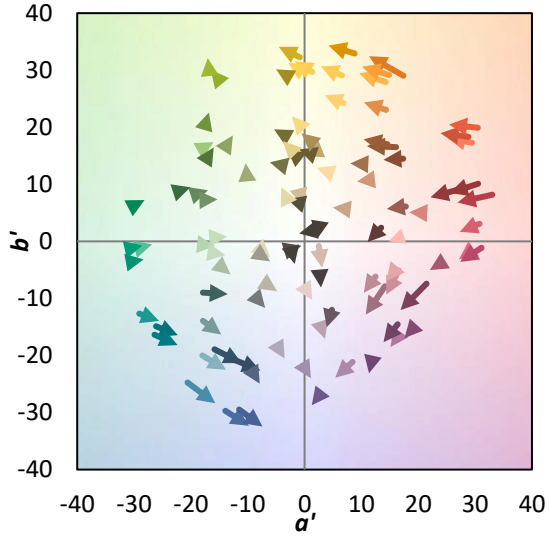


Color Vector Graphics







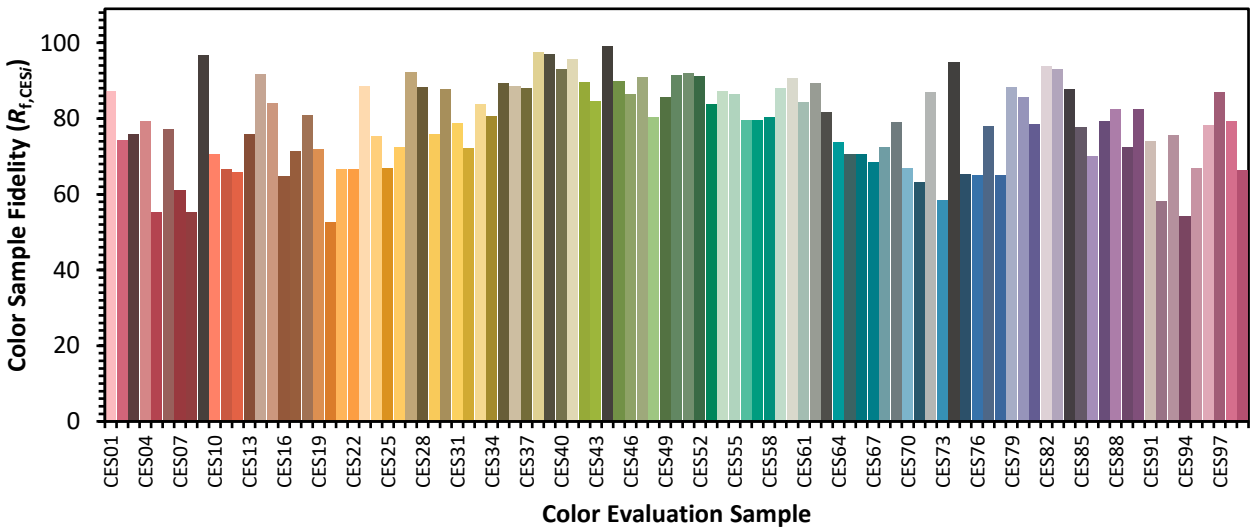


REPORT NUMBER: SP1-2501-332-11

TM-30-18

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

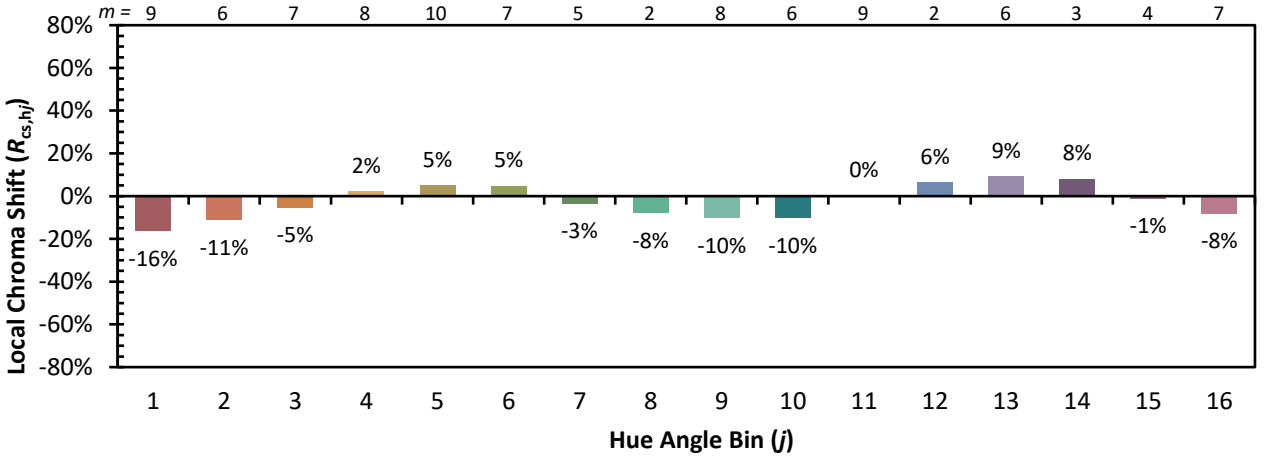
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CES02 = 61	CES27 = 92	CES52 = 91	CES77 = 78
CES03 = 30	CES28 = 88	CES53 = 84	CES78 = 65
CES04 = 70	CES29 = 76	CES54 = 87	CES79 = 88
CES05 = 47	CES30 = 88	CES55 = 86	CES80 = 86
CES06 = 50	CES31 = 79	CES56 = 80	CES81 = 79
CES07 = 40	CES32 = 72	CES57 = 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	

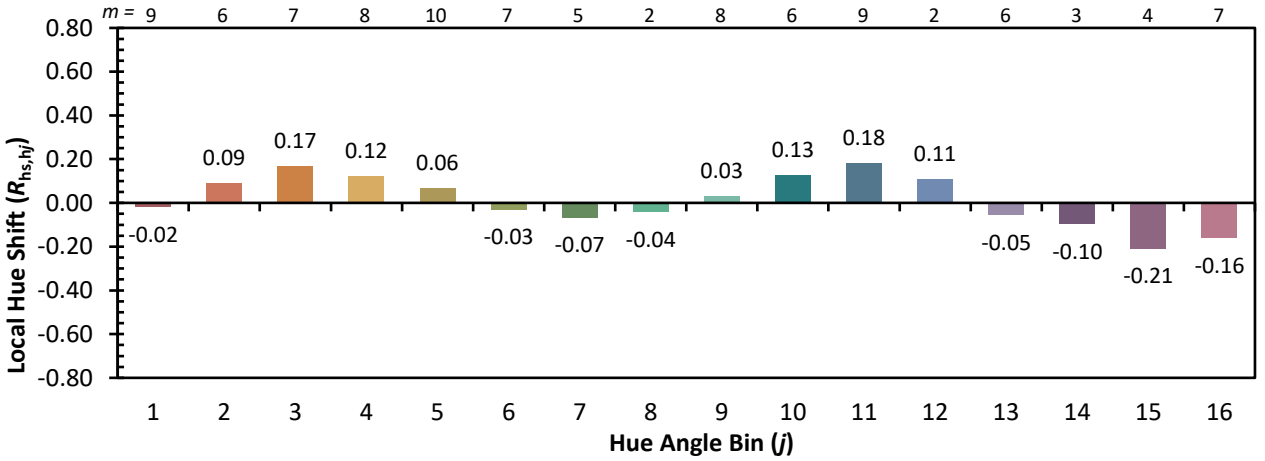


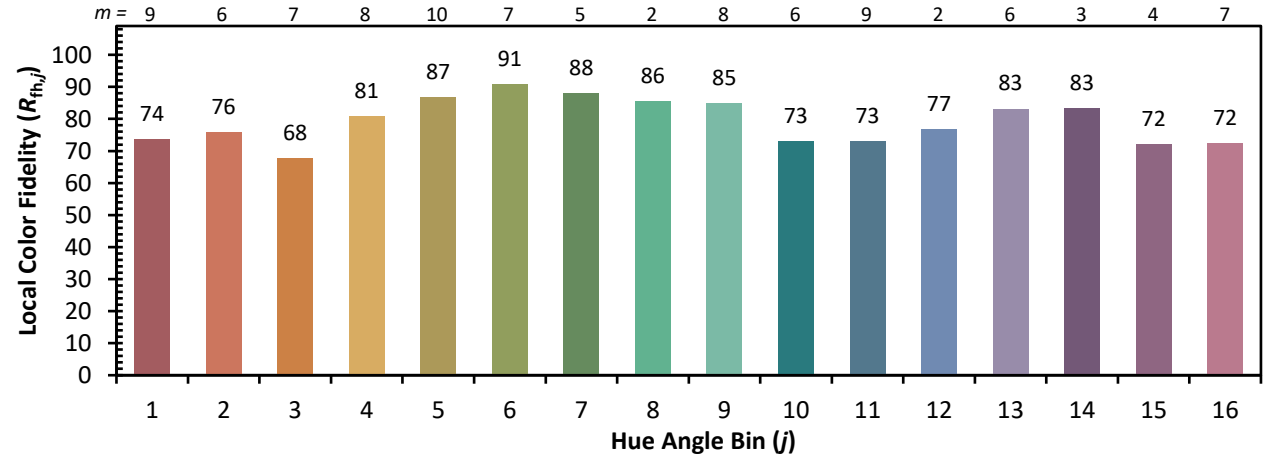
REPORT NUMBER: SP1-2501-332-11

TM-30-18

Color Rendition by Hue-Angle Bin



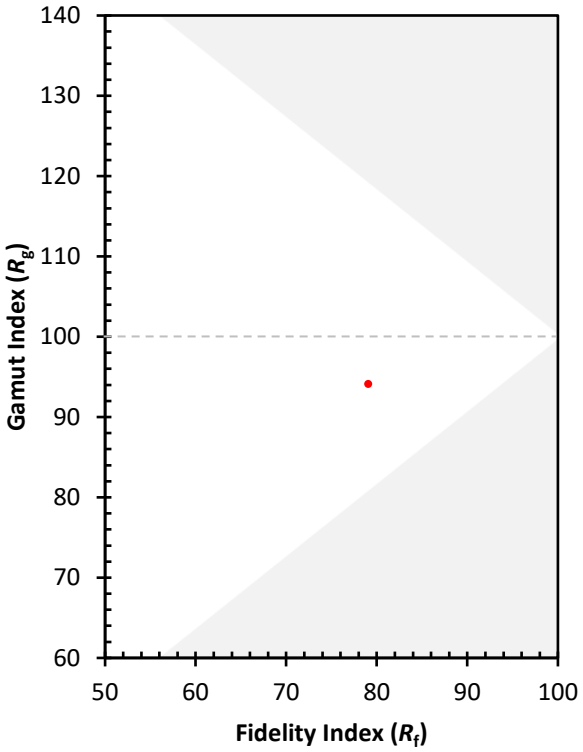


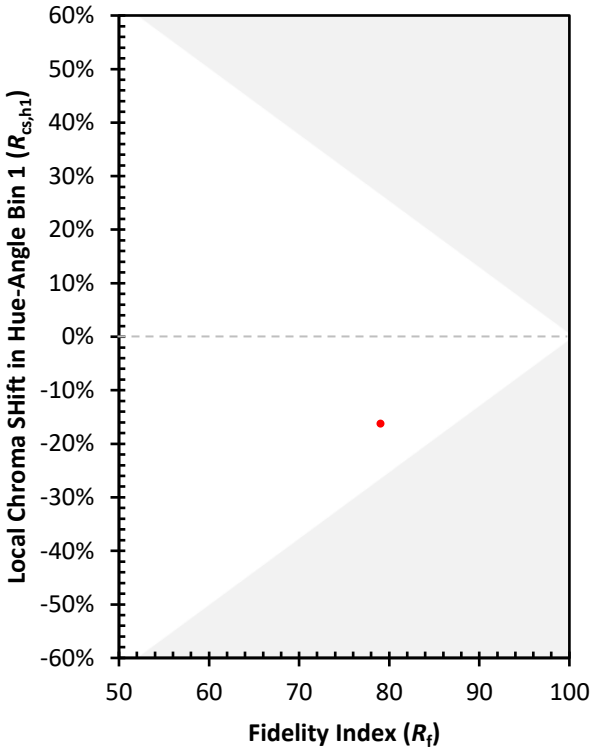


REPORT NUMBER: SP1-2501-332-11

TM-30-18

Measure Comparisons





(END OF REPORT)