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: P1045793

Luminaire Tested: **FFX-CLB-30-727-U-FR-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1045793
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-30-727-U-FR-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T5 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(6) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3082.8 lumens
Efficiency:	N/A
Efficacy:	100.7 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):	30.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	10.8%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

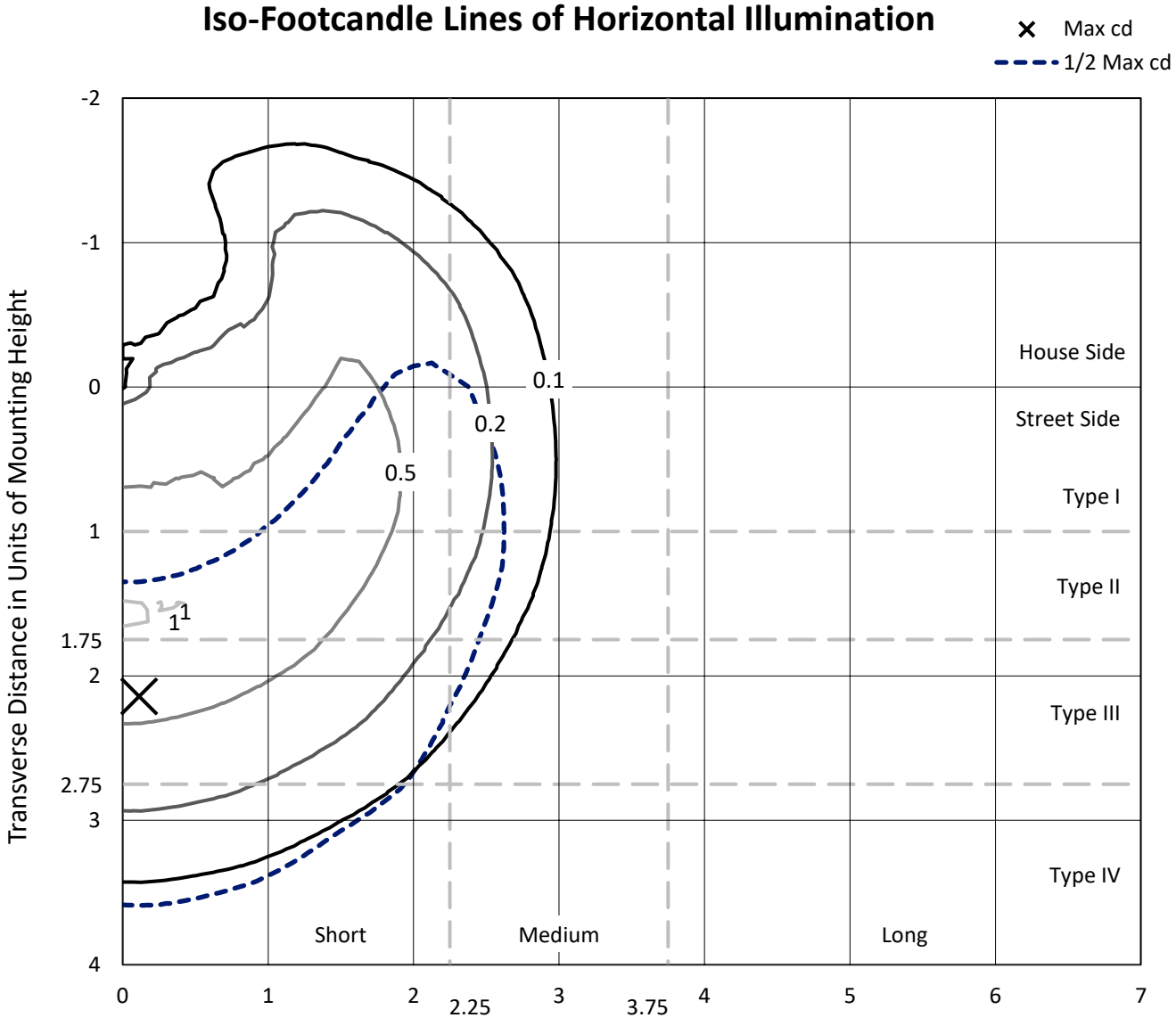


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

Iso-Footcandle Lines of Horizontal Illumination



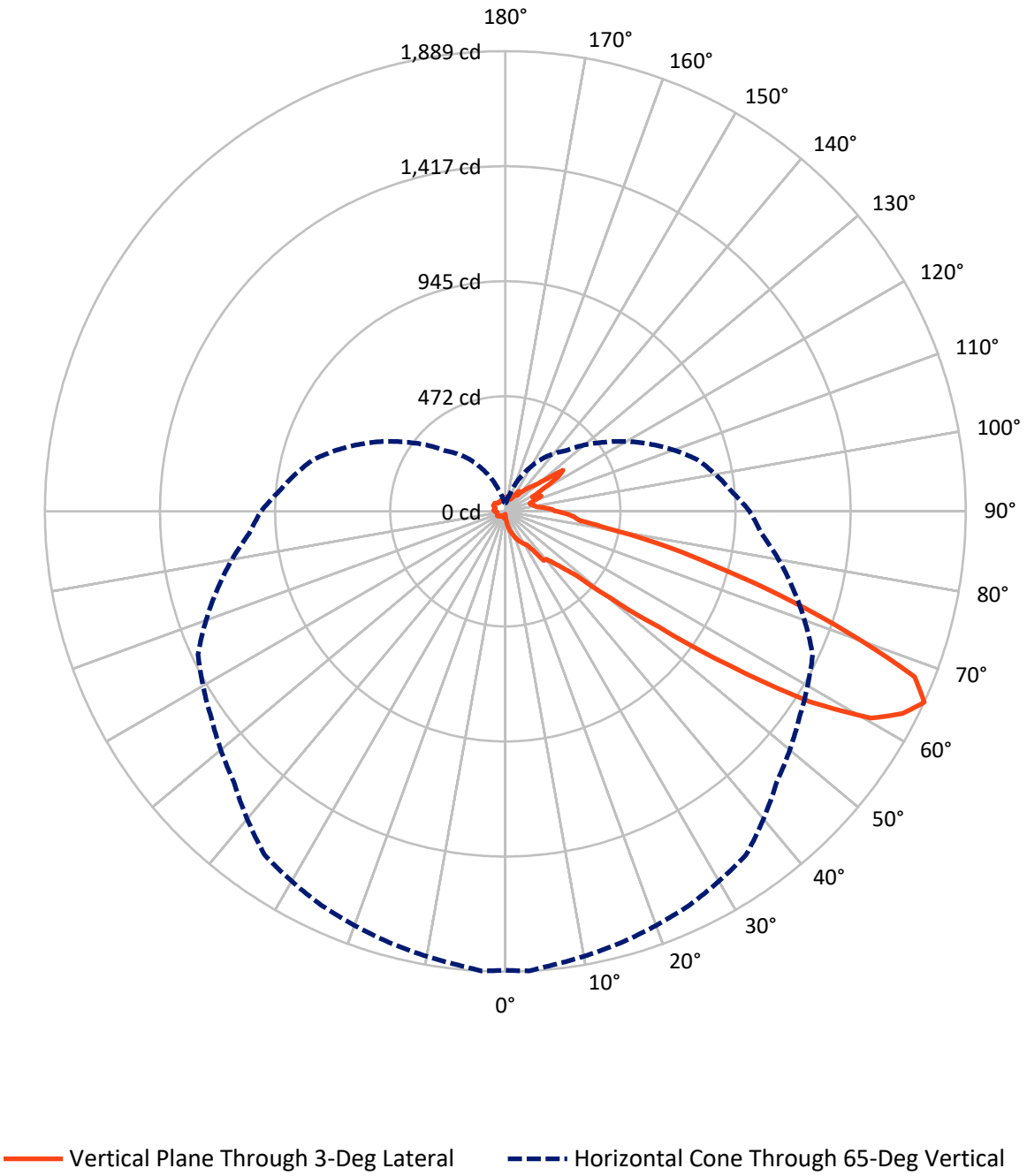
Based on 15 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

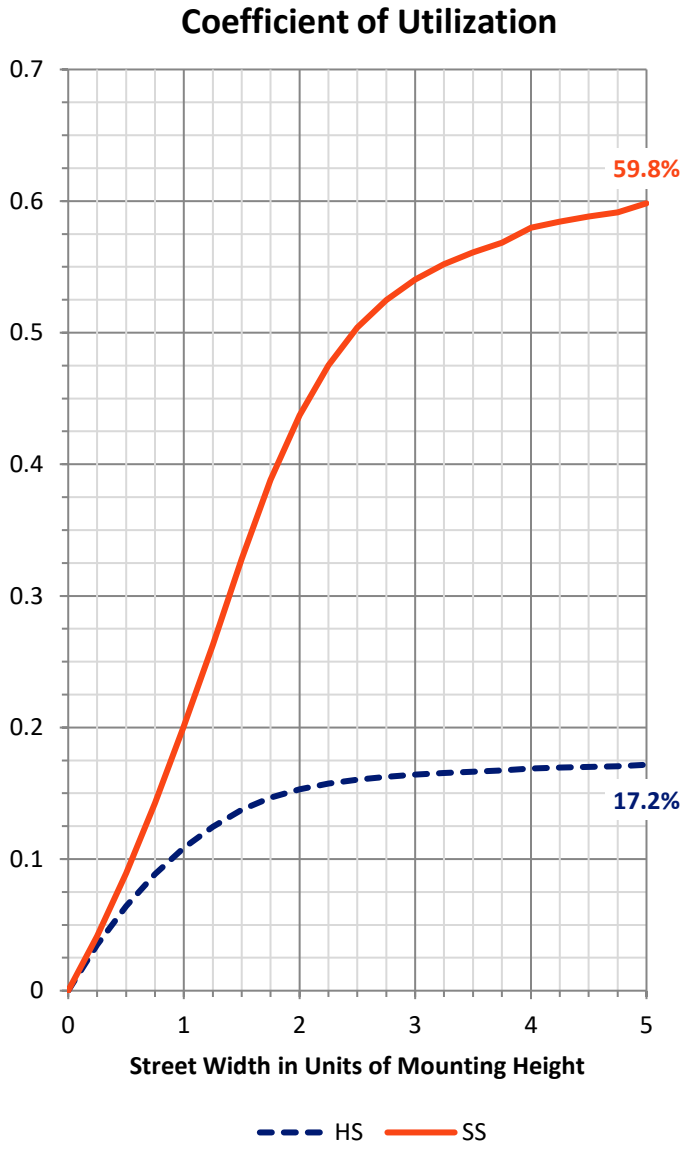
REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.6	213.9	763.5
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	1921.1	398.1	2319.3
	% Fixture	62.3	12.9	75.2
Total	Lumens	2470.7	612.1	3082.8
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	17.4	0.6
20°-30°	38.5	1.2
30°-40°	76.8	2.5
40°-50°	165.7	5.4
50°-60°	566.5	18.4
60°-70°	920.6	29.9
70°-80°	495.4	16.1
80°-90°	186.6	6.1
90°-100°	117.8	3.8
100°-110°	83.7	2.7
110°-120°	92.4	3.0
120°-130°	141.1	4.6
130°-140°	84.6	2.7
140°-150°	46.7	1.5
150°-160°	26.0	0.8
160°-170°	14.4	0.5
170°-180°	5.3	0.2
0°-90°	2470.7	80.1
0°-180°	3082.8	100.0



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

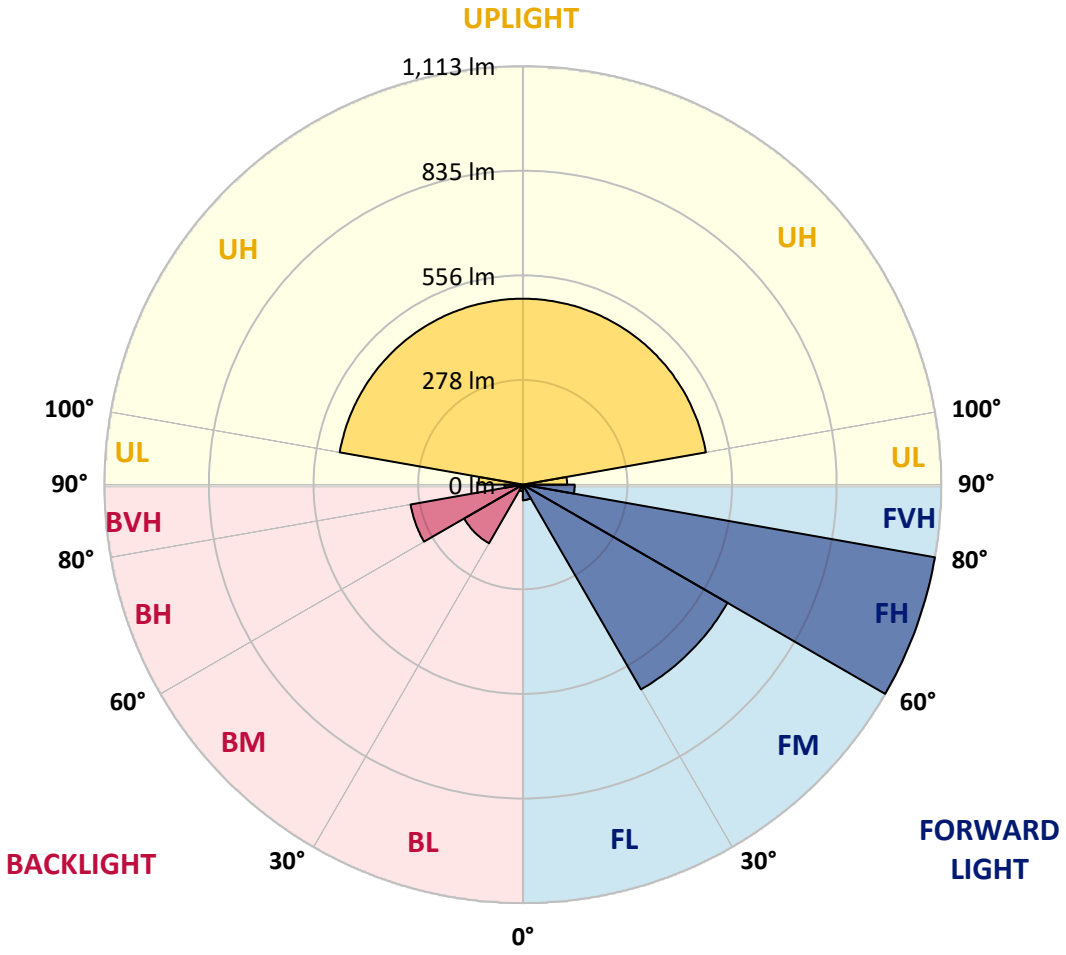
Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	41.6	1.3			
FM	(30°-60°)	628.8	20.4			
FH	(60°-80°)	1112.9	36.1			G1/1800
FVH	(80°-90°)	137.9	4.5			G2/225
BL	(0°-30°)	17.6	0.6	B0/110		
BM	(30°-60°)	180.2	5.8	B0/220		
BH	(60°-80°)	303.1	9.8	B1/500		G1/500
BVH	(80°-90°)	48.7	1.6			G1/100
UL	(90°-100°)	117.8	3.8		U3/500	
UH	(100°-180°)	494.3	16.0		U3/500	

BUG Rating: B1-U3-G2
Type IV Short



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

Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	24.5	24.9	24.9	24.9	25.6	25.9	25.6	24.5	23.1	22.4	21.8
5°	35.6	36.3	35.9	35.9	35.2	35.2	34.2	33.5	32.8	30.4	28.0
7.5°	49.4	48.7	48.3	47.7	48.0	46.3	44.9	44.9	43.9	41.4	37.6
10°	63.9	63.9	62.8	62.5	61.8	61.1	58.7	57.3	57.3	53.2	48.7
12.5°	79.8	79.4	79.8	79.1	78.0	76.3	73.6	70.4	68.7	64.9	58.4
15°	90.1	89.8	89.8	89.4	88.7	87.0	85.0	81.8	77.4	73.6	67.3
17.5°	101.2	100.5	100.5	98.8	97.4	95.3	93.6	90.5	85.0	78.0	72.2
20°	113.3	113.3	113.3	110.8	108.1	105.3	102.9	100.1	96.0	85.6	77.4
22.5°	124.7	125.0	124.7	122.2	119.8	115.3	111.5	108.1	103.9	93.6	83.6
25°	135.7	136.4	136.1	136.1	133.0	127.1	121.9	116.7	114.0	103.6	89.8
27.5°	145.4	145.7	146.1	147.8	146.1	139.5	131.2	125.0	122.9	111.5	95.0
30°	154.7	155.7	155.7	157.5	157.1	149.9	139.9	133.0	128.8	117.8	100.1
32.5°	163.7	164.4	164.7	168.9	168.5	158.9	150.2	142.6	135.7	127.4	109.1
35°	196.1	195.1	200.3	203.4	201.0	192.3	182.0	167.8	158.2	148.5	128.8
37.5°	256.6	255.9	255.9	249.0	239.3	229.3	226.5	211.7	199.9	187.5	160.6
40°	258.3	258.3	259.3	266.9	271.8	259.0	246.9	232.4	230.0	217.2	184.4
42.5°	283.5	286.3	289.0	294.2	302.9	294.6	280.8	257.6	246.6	233.4	205.5
45°	326.3	330.5	329.1	331.2	329.1	321.8	320.8	308.0	291.5	266.2	228.6
47.5°	397.1	394.7	393.3	401.6	415.1	401.6	398.5	378.1	346.4	314.2	271.4
50°	571.2	560.8	571.5	569.8	567.4	554.9	545.6	525.2	473.4	421.3	359.5
52.5°	804.3	787.3	797.0	803.6	796.7	779.1	751.1	711.4	641.6	574.3	492.8
55°	1143.0	1119.5	1122.7	1130.9	1135.8	1095.7	1055.7	968.0	863.3	759.4	671.0
57.5°	1517.0	1474.9	1502.5	1456.2	1437.2	1365.8	1331.9	1243.2	1120.2	981.4	838.8
60°	1727.7	1723.2	1718.0	1682.1	1662.1	1581.9	1502.5	1419.3	1309.1	1145.1	978.3
62.5°	1819.2	1828.8	1821.3	1802.6	1784.6	1714.2	1576.1	1477.3	1387.9	1219.3	1052.9
65°	1883.8	1889.3	1876.5	1833.3	1784.6	1721.8	1574.3	1473.5	1391.7	1221.8	1056.0
67.5°	1809.9	1810.9	1795.4	1739.4	1640.6	1585.4	1442.4	1354.4	1274.3	1129.2	974.2
70°	1490.8	1493.9	1484.2	1434.5	1351.6	1303.6	1165.8	1075.3	1014.9	914.8	800.5
72.5°	1162.0	1175.5	1161.7	1142.0	1063.3	1027.7	935.1	861.9	806.3	712.1	619.9
75°	873.7	876.8	877.1	855.0	813.6	805.6	742.1	693.8	645.4	568.1	500.4
77.5°	633.7	647.5	642.7	638.9	584.6	587.7	562.5	533.9	503.5	452.0	403.7
80°	420.6	427.9	419.2	421.3	414.0	412.3	388.8	369.5	350.9	327.0	308.0
82.5°	306.7	305.3	304.6	300.8	295.3	296.3	284.5	260.7	238.3	233.4	215.8
85°	283.5	282.5	281.4	274.5	262.8	255.5	249.0	239.3	225.5	203.7	181.0
87.5°	247.9	248.3	245.9	238.6	231.0	229.0	223.8	217.6	210.6	194.4	174.4
90°	204.1	203.1	203.4	199.3	200.6	199.9	192.0	184.4	181.6	167.8	156.1
92.5°	188.5	187.5	187.9	184.7	179.9	178.9	170.2	160.9	156.8	148.1	139.2
95°	157.5	157.5	156.1	154.7	152.3	148.8	144.3	138.1	135.0	128.1	119.1
97.5°	132.3	130.9	131.9	129.5	127.4	126.0	122.6	116.4	113.3	108.1	101.2
100°	122.9	122.9	122.6	121.6	116.4	113.6	109.8	103.9	101.5	97.0	91.9
102.5°	117.8	117.4	117.1	116.0	111.2	106.4	101.5	98.1	95.3	91.5	86.0
105°	107.7	107.7	108.4	108.1	104.6	101.5	96.3	93.2	90.5	86.7	81.5
107.5°	106.7	106.4	106.4	102.2	97.7	96.0	92.2	89.4	87.0	83.2	77.4
110°	122.2	122.9	124.0	117.1	106.4	101.9	96.3	93.2	90.5	85.6	79.4

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

Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	160.2	*160.2*	159.5	155.7	137.1	124.7	121.9	114.0	109.5	102.2	93.6
115°	144.0	*144.3*	144.0	145.0	143.7	128.1	130.9	117.8	125.4	108.4	102.6
117.5°	125.7	*125.4*	124.0	124.3	125.7	135.7	114.0	110.8	114.0	98.8	93.6
120°	175.4	*172.3*	175.4	162.6	160.6	162.3	149.9	147.5	134.3	116.0	102.2
122.5°	258.3	*253.5*	260.4	255.9	259.3	247.9	235.9	225.8	211.3	180.6	153.0
125°	291.8	*290.8*	289.0	282.8	277.3	272.5	274.5	278.3	270.4	245.5	213.4
127.5°	214.8	*217.6*	216.5	229.0	241.0	238.3	231.0	234.5	238.6	237.2	218.2
130°	171.3	*173.7*	175.1	187.2	197.5	197.5	185.8	182.7	186.1	193.4	186.1
132.5°	150.2	*150.9*	151.6	155.7	164.4	168.5	161.3	156.4	157.8	161.6	155.4
135°	135.4	*135.0*	134.0	131.2	131.9	136.1	139.2	138.5	137.4	137.4	134.0
137.5°	117.4	*117.1*	117.1	112.9	111.2	114.6	119.1	123.3	120.5	116.7	112.6
140°	97.7	*97.4*	97.7	100.1	100.8	101.2	103.6	103.6	103.6	103.3	101.5
142.5°	81.2	*81.5*	82.2	88.4	91.5	91.5	88.4	85.6	85.3	87.4	87.7
145°	99.8	*99.8*	100.1	99.8	97.7	95.7	93.6	93.6	91.5	86.7	84.3
147.5°	89.1	*90.5*	89.4	90.5	91.2	91.5	91.2	92.2	92.5	89.8	86.0
150°	70.1	*69.8*	69.1	70.1	71.8	73.9	74.6	75.3	75.6	75.6	75.6
152.5°	60.8	*61.1*	60.8	61.8	62.8	63.2	64.2	64.2	64.6	64.2	63.5
155°	59.1	*59.1*	59.1	59.1	59.4	60.1	61.5	62.2	61.5	60.4	58.7
157.5°	54.9	*54.9*	54.9	55.3	55.9	56.6	57.7	58.4	58.4	57.7	56.3
160°	52.5	*52.5*	52.5	52.5	53.2	53.9	54.6	55.3	55.3	54.9	53.9
162.5°	49.7	*49.7*	49.7	50.1	50.8	51.5	52.1	52.8	52.5	52.5	51.8
165°	49.4	*49.4*	49.4	49.7	50.4	51.5	51.8	51.8	52.1	52.1	52.1
167.5°	50.8	*50.8*	51.1	51.1	51.8	52.1	52.8	53.2	53.5	53.2	53.2
170°	52.8	*52.8*	52.8	53.2	53.5	53.5	53.9	53.9	54.2	54.2	54.2
172.5°	55.6	*55.6*	55.6	55.6	55.3	55.3	55.3	55.3	55.6	55.3	55.6
175°	58.7	*58.7*	58.7	58.4	58.0	58.0	57.7	57.7	57.3	57.0	57.0
177.5°	59.1	*59.1*	59.1	59.1	58.7	58.4	58.4	58.0	57.7	57.7	57.7
180°	57.7	*57.7*	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

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

Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
2.5°	21.1	20.4	18.6	17.3	16.2	14.8	13.8	12.8	12.1	11.7	11.4
5°	27.6	26.2	24.2	22.1	20.4	18.0	16.6	14.2	12.4	11.7	11.4
7.5°	36.3	35.2	34.2	33.8	33.2	30.0	25.6	22.1	21.4	20.7	21.4
10°	46.3	44.2	41.1	42.8	42.8	36.9	30.7	27.3	26.9	28.3	28.7
12.5°	55.6	52.8	49.0	48.7	44.9	36.9	30.4	26.9	26.6	26.9	27.3
15°	64.2	61.1	57.0	53.5	47.7	39.4	31.8	27.3	26.2	27.3	27.3
17.5°	69.1	66.0	60.1	53.5	46.6	39.0	31.4	26.6	24.2	22.8	22.8
20°	74.9	72.5	64.6	56.3	47.0	38.7	31.1	25.9	23.1	21.8	21.4
22.5°	80.1	77.4	68.7	59.7	49.0	38.7	30.0	25.6	23.1	21.8	21.4
25°	86.3	82.2	73.6	63.5	50.8	38.7	30.0	25.9	23.5	22.1	21.8
27.5°	90.5	85.6	77.4	66.3	52.8	39.4	31.1	26.2	23.5	22.1	22.1
30°	94.6	90.1	80.5	70.1	55.3	41.1	32.8	27.6	24.5	22.8	22.8
32.5°	102.9	97.0	85.3	73.2	57.3	42.5	34.5	29.0	25.6	23.8	23.8
35°	121.6	113.3	99.1	82.2	60.1	43.9	36.3	30.7	26.2	24.2	24.2
37.5°	149.9	139.5	122.2	99.1	67.0	45.9	37.6	31.4	26.9	25.2	24.9
40°	168.5	155.7	135.0	112.6	77.0	49.4	39.4	32.5	27.6	25.6	25.2
42.5°	191.0	175.4	147.8	116.7	82.2	56.6	42.8	34.2	28.7	25.9	25.6
45°	211.3	198.2	172.3	136.4	97.0	67.3	49.0	37.3	30.4	26.9	26.6
47.5°	252.8	232.4	197.9	160.9	115.7	83.6	59.7	42.1	33.2	28.3	27.6
50°	333.6	312.5	270.7	213.4	149.5	106.4	77.0	51.1	36.6	29.7	28.7
52.5°	453.1	414.4	367.8	290.4	212.0	153.7	109.1	72.2	43.5	31.1	29.4
55°	613.0	590.9	508.3	409.9	302.2	230.0	167.8	112.2	64.9	32.8	29.7
57.5°	796.3	752.5	677.2	554.6	404.0	292.8	226.9	167.1	95.7	38.3	31.4
60°	914.4	868.8	782.5	658.5	491.7	349.1	258.6	186.1	108.4	39.4	32.8
62.5°	990.7	926.9	817.4	672.4	517.3	372.3	273.2	176.8	92.5	38.3	33.8
65°	*1002.5*	*933.1*	*817.4*	*653.4*	*494.2*	*353.3*	*264.2*	*163.3*	*72.9*	*36.6*	*35.2*
67.5°	933.1	857.8	761.8	599.1	443.4	302.9	226.9	133.3	55.3	35.6	34.9
70°	755.6	708.3	620.9	488.3	354.0	247.9	180.6	102.2	44.9	34.5	34.2
72.5°	577.4	543.2	482.1	380.5	272.8	191.3	137.8	80.5	40.4	33.8	33.5
75°	459.6	428.6	378.8	293.2	208.2	147.5	102.9	61.8	36.9	33.8	33.2
77.5°	379.2	351.9	307.0	232.4	151.9	110.2	78.0	50.1	36.3	33.8	33.5
80°	291.8	272.1	238.6	168.9	108.8	82.5	62.2	44.5	36.3	34.5	34.2
82.5°	206.9	199.3	174.0	131.6	91.5	71.8	57.3	43.9	36.9	35.2	34.9
85°	172.0	163.0	145.0	114.6	85.3	69.4	56.6	44.9	38.7	37.3	36.9
87.5°	165.8	159.9	142.3	110.8	81.8	66.3	54.2	43.9	38.7	38.0	38.3
90°	149.9	143.3	129.8	103.3	78.4	66.0	55.3	45.6	40.1	39.4	39.0
92.5°	136.1	132.3	120.5	99.8	80.8	68.4	58.4	49.7	45.2	43.9	43.9
95°	116.4	112.6	106.0	91.5	77.0	67.0	58.4	50.8	47.0	46.3	45.9
97.5°	99.1	96.7	91.2	79.8	68.4	60.1	52.5	46.6	43.5	42.5	42.5
100°	90.5	88.4	83.9	76.3	67.7	60.8	54.6	49.4	46.6	45.9	45.9
102.5°	84.3	82.5	78.4	72.9	65.3	59.7	54.6	50.1	47.0	46.3	46.6
105°	79.1	77.4	73.2	67.7	61.5	55.6	51.8	48.3	44.9	43.9	43.9
107.5°	75.3	73.6	70.1	64.6	59.4	54.2	50.1	47.3	44.5	43.9	43.9
110°	77.0	74.6	69.4	63.5	59.1	54.6	51.1	48.3	46.3	45.2	45.2

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

Scaled Data Report

REPORT NUMBER: P1045793
CATALOG NUMBER: FFX-CLB-30-727-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	90.1	86.3	77.7	69.4	63.5	58.4	54.6	50.8	49.0	47.7	47.7
115°	98.8	95.0	86.3	76.3	67.7	60.4	55.3	52.1	50.1	51.5	50.8
117.5°	90.1	87.4	80.8	73.6	66.6	60.4	55.9	53.9	52.5	54.2	54.9
120°	99.1	93.9	88.7	80.5	67.7	59.1	55.9	55.3	55.3	53.9	53.9
122.5°	141.6	133.0	113.6	99.5	81.8	72.2	66.3	60.8	55.3	53.2	52.8
125°	198.2	182.0	157.5	132.6	108.4	88.1	71.1	60.8	55.6	52.5	51.8
127.5°	208.6	194.4	172.0	141.9	109.1	86.0	70.8	62.8	57.0	53.5	53.2
130°	176.1	169.2	149.2	123.3	98.1	80.1	70.1	62.8	57.3	54.2	53.5
132.5°	149.5	144.7	126.0	105.3	87.4	74.2	65.3	57.3	52.1	49.4	48.7
135°	128.5	125.4	109.1	94.3	80.8	70.1	60.8	53.2	49.0	47.3	47.0
137.5°	110.2	107.1	96.0	85.6	75.3	66.0	58.4	51.8	48.0	47.0	46.6
140°	98.8	96.0	89.1	78.0	68.0	58.4	52.8	48.7	46.6	45.9	45.6
142.5°	86.0	82.9	75.3	67.3	60.4	52.8	49.0	47.3	46.3	45.6	45.2
145°	81.5	79.4	70.8	63.5	57.0	53.2	51.1	48.7	46.6	45.2	44.9
147.5°	82.5	80.1	72.5	65.6	59.7	55.6	52.1	48.7	45.9	44.5	44.2
150°	73.9	73.2	68.7	63.2	57.7	53.2	49.7	47.0	45.2	44.9	44.9
152.5°	61.8	61.5	59.4	56.3	52.5	49.0	46.6	45.2	45.2	45.9	46.3
155°	58.0	57.0	55.6	53.5	50.4	48.0	46.3	45.6	45.9	46.6	46.6
157.5°	55.9	54.9	53.5	51.8	50.1	48.0	46.6	46.3	47.0	47.7	47.7
160°	53.2	52.5	51.5	49.7	48.3	47.3	46.6	46.6	47.0	47.3	47.3
162.5°	51.5	50.8	49.7	48.7	48.0	47.7	47.3	47.0	47.3	47.7	47.7
165°	51.5	51.1	49.7	48.7	48.3	48.3	48.3	48.3	48.3	48.0	48.0
167.5°	52.8	52.5	51.5	50.8	50.4	50.8	50.8	50.4	50.1	49.4	49.4
170°	54.2	53.9	53.5	53.2	52.8	53.2	53.2	53.2	52.8	52.8	52.5
172.5°	55.6	55.3	54.9	54.6	54.6	54.6	54.9	55.3	55.3	55.3	55.3
175°	57.0	57.0	56.3	55.9	55.9	55.9	56.3	56.3	56.6	56.6	56.6
177.5°	57.7	57.7	57.7	57.7	58.0	57.7	57.7	57.3	57.3	57.3	57.3
180°	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7

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: SP1-2501-332-8

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Data in this report applies to families of products including FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

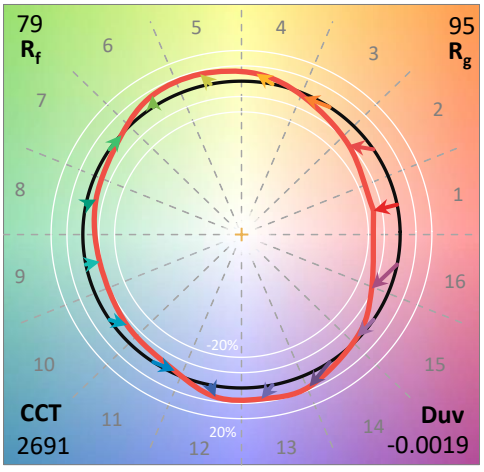
Test Method:	LM-79-2019
Report Number:	SP1-2501-332-8
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-20-727-U-FR-T5-UPLR-P-HSS**
Description:	

0

Spectral Parameters

CCT (K):	2691	CRI (Ra):	75.2		
CIE u':	0.2634	R1:	72.6	R9:	-22.6
CIE v':	0.5248	R2:	88.2	R10:	75.5
Duv:	-0.0019	R3:	92.0	R11:	69.1
CIE x:	0.4574	R4:	71.0	R12:	71.3
CIE y:	0.4050	R5:	73.5	R13:	75.9
CIE z:	0.1375	R6:	86.2	R14:	95.9
Peak Wavelength (nm):	602	R7:	75.1	R15:	63.7
Dominant Wavelength (nm):	584	R8:	43.1		
Purity:	58.87605				

Rf:	79.3
Rg:	95.1



Test Conditions

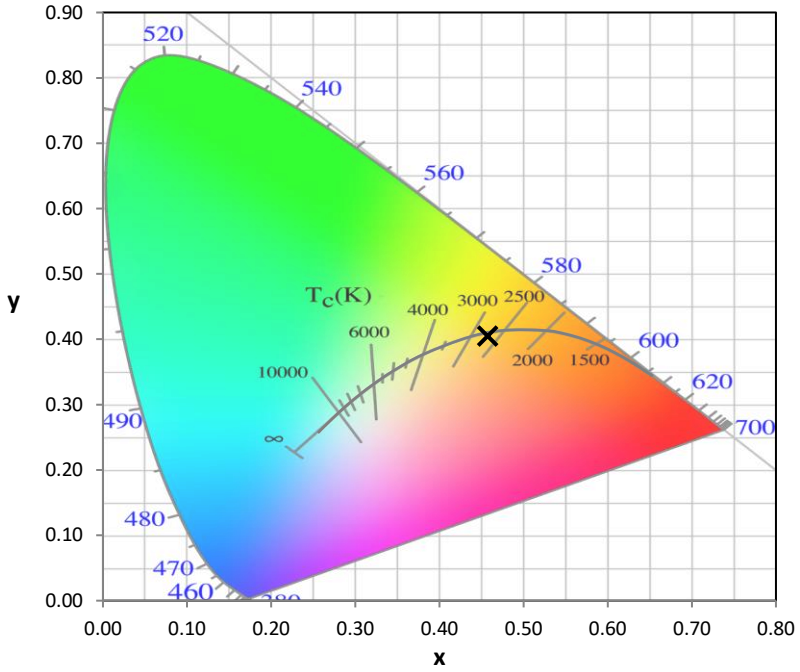
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.5

REPORT NUMBER: SP1-2501-332-8

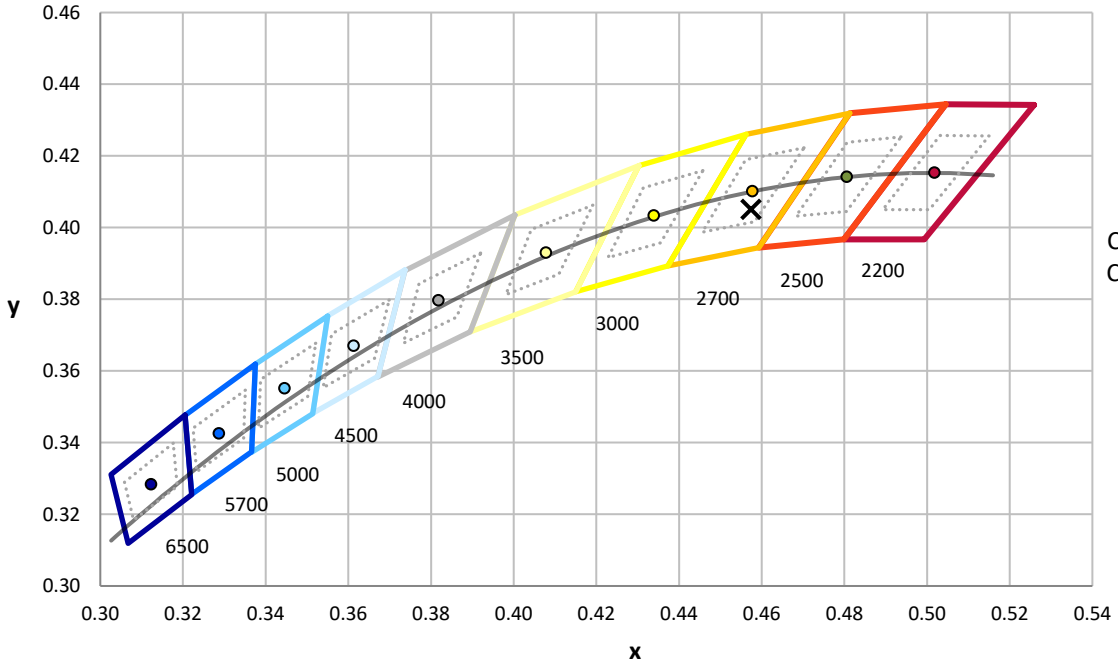
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-8

CIE 1931 Chromaticity Diagram



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

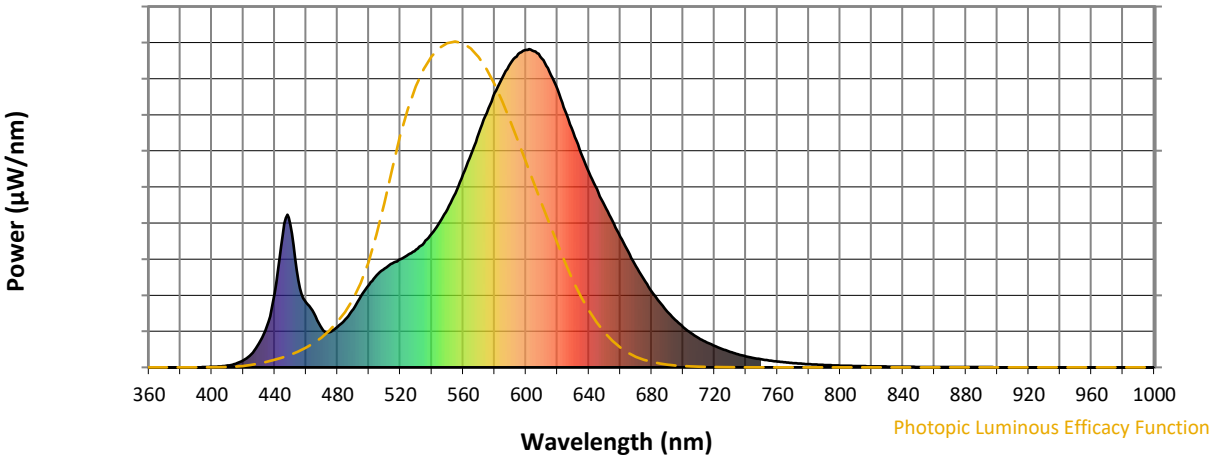


CCT = 2691K
CIE x = 0.4574
CIE y = 0.4050
Duv = -0.0019

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-8

Photopic Flux vs. Wavelength

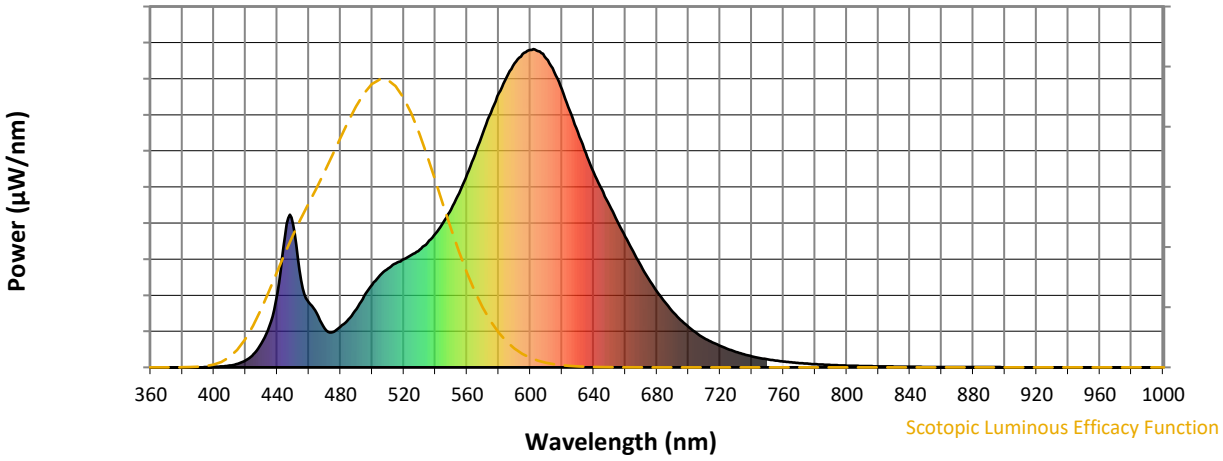


Photopic Lumens: NR

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Scotopic Flux vs. Wavelength

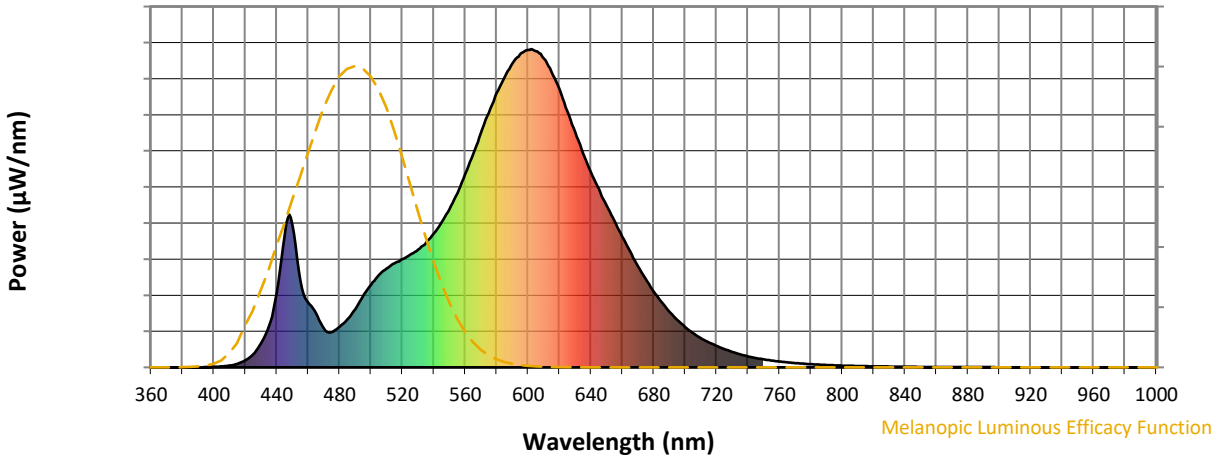


Scotopic Lumens: NR **S/P: 1.18**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.19**

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	184	NR	620	874	NR	750	25	NR	880	1	NR
365	0	NR	495	224	NR	625	806	NR	755	21	NR	885	1	NR
370	0	NR	500	260	NR	630	739	NR	760	18	NR	890	1	NR
375	0	NR	505	290	NR	635	674	NR	765	16	NR	895	1	NR
380	0	NR	510	311	NR	640	614	NR	770	14	NR	900	0	NR
385	0	NR	515	327	NR	645	561	NR	775	12	NR	905	0	NR
390	0	NR	520	340	NR	650	509	NR	780	10	NR	910	0	NR
395	1	NR	525	354	NR	655	459	NR	785	9	NR	915	0	NR
400	2	NR	530	370	NR	660	411	NR	790	7	NR	920	0	NR
405	3	NR	535	391	NR	665	364	NR	795	6	NR	925	0	NR
410	6	NR	540	420	NR	670	318	NR	800	6	NR	930	0	NR
415	11	NR	545	456	NR	675	276	NR	805	5	NR	935	0	NR
420	22	NR	550	497	NR	680	239	NR	810	4	NR	940	0	NR
425	42	NR	555	547	NR	685	205	NR	815	4	NR	945	0	NR
430	75	NR	560	607	NR	690	175	NR	820	3	NR	950	0	NR
435	129	NR	565	670	NR	695	149	NR	825	3	NR	955	0	NR
440	233	NR	570	736	NR	700	127	NR	830	2	NR	960	0	NR
445	414	NR	575	800	NR	705	108	NR	835	2	NR	965	0	NR
450	449	NR	580	861	NR	710	91	NR	840	2	NR	970	0	NR
455	274	NR	585	911	NR	715	78	NR	845	2	NR	975	0	NR
460	204	NR	590	955	NR	720	68	NR	850	1	NR	980	0	NR
465	170	NR	595	984	NR	725	57	NR	855	1	NR	985	0	NR
470	121	NR	600	998	NR	730	49	NR	860	1	NR	990	0	NR
475	111	NR	605	994	NR	735	41	NR	865	1	NR	995	0	NR
480	128	NR	610	971	NR	740	34	NR	870	1	NR	1000	0	NR
485	151	NR	615	928	NR	745	29	NR	875	1	NR			

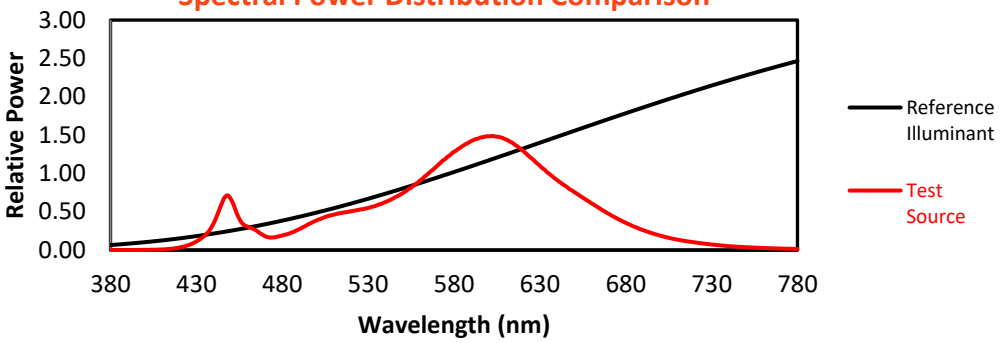
REPORT NUMBER: SP1-2501-332-8

TM-30-18

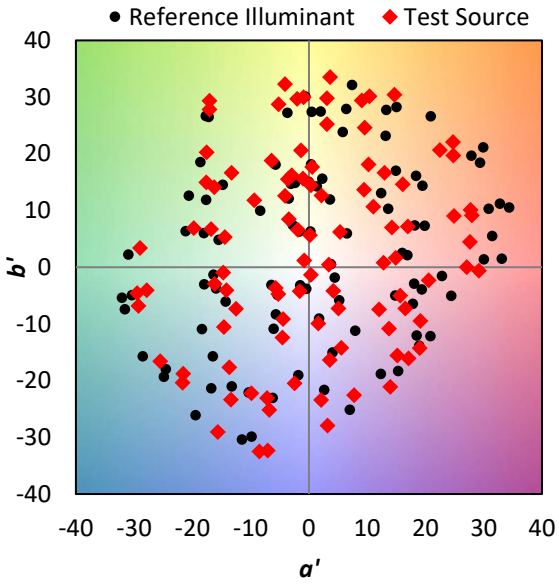
Summary

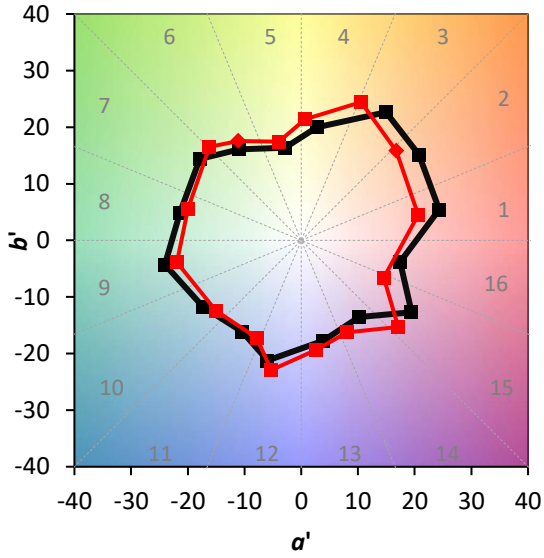
R_f = 79.3
R_g = 95.1
CIE R_a = 75.2
R_9 = -22.6

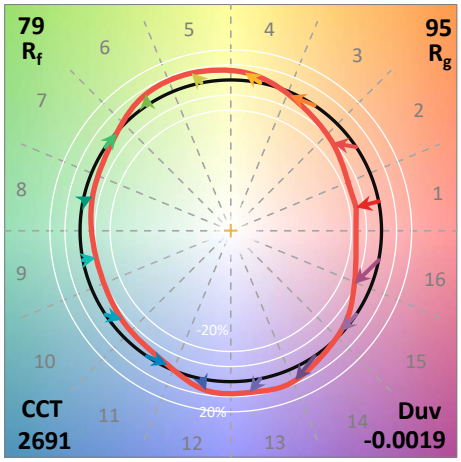
Spectral Power Distribution Comparison

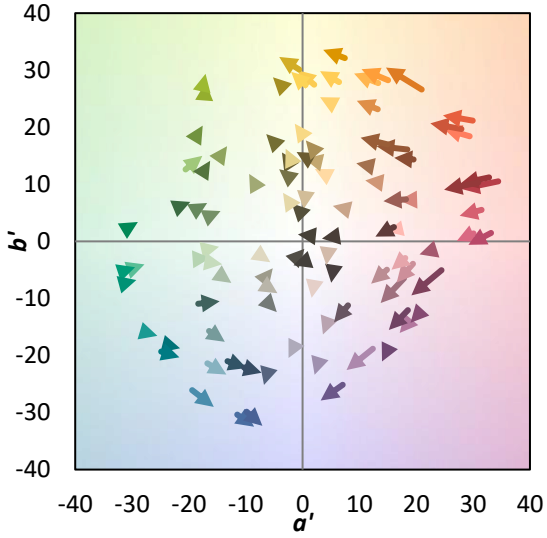


Color Vector Graphics







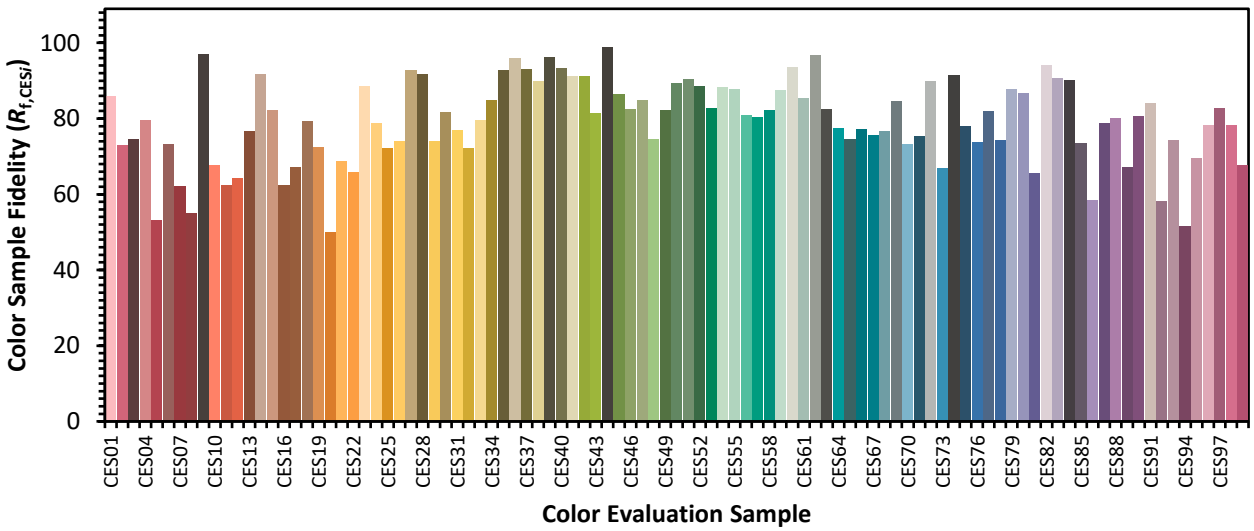


REPORT NUMBER: SP1-2501-332-8

TM-30-18

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

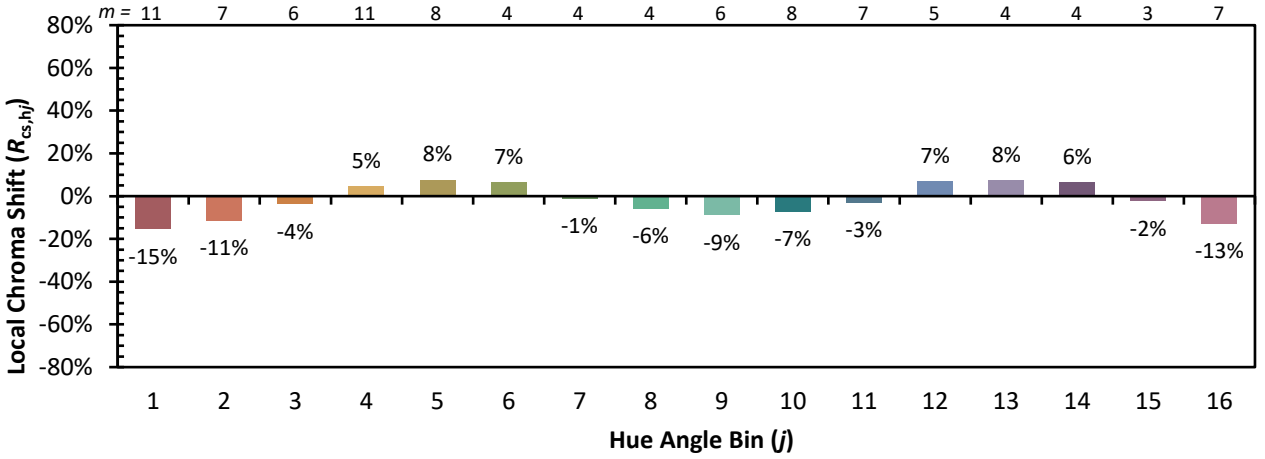
CES01 = 87	CES26 = 74	CES51 = 90	CES76 = 74
CES02 = 64	CES27 = 93	CES52 = 88	CES77 = 82
CES03 = 31	CES28 = 92	CES53 = 83	CES78 = 74
CES04 = 71	CES29 = 74	CES54 = 88	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 88	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 81	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 80	CES82 = 94
CES08 = 41	CES33 = 80	CES58 = 82	CES83 = 91
CES09 = 29	CES34 = 85	CES59 = 88	CES84 = 90
CES10 = 77	CES35 = 93	CES60 = 94	CES85 = 73
CES11 = 60	CES36 = 96	CES61 = 85	CES86 = 58
CES12 = 66	CES37 = 93	CES62 = 97	CES87 = 79
CES13 = 44	CES38 = 90	CES63 = 83	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 77	CES89 = 67
CES15 = 72	CES40 = 93	CES65 = 75	CES90 = 81
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 84
CES17 = 51	CES42 = 91	CES67 = 76	CES92 = 58
CES18 = 57	CES43 = 82	CES68 = 77	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 85	CES94 = 52
CES20 = 67	CES45 = 86	CES70 = 73	CES95 = 70
CES21 = 87	CES46 = 83	CES71 = 75	CES96 = 78
CES22 = 80	CES47 = 85	CES72 = 90	CES97 = 83
CES23 = 92	CES48 = 74	CES73 = 67	CES98 = 78
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 68
CES25 = 73	CES50 = 89	CES75 = 78	

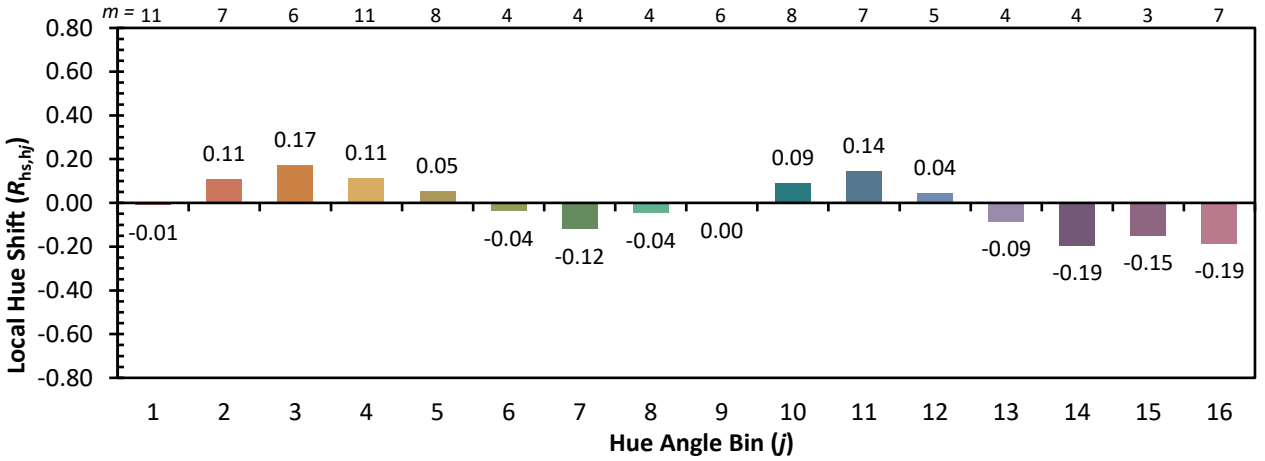


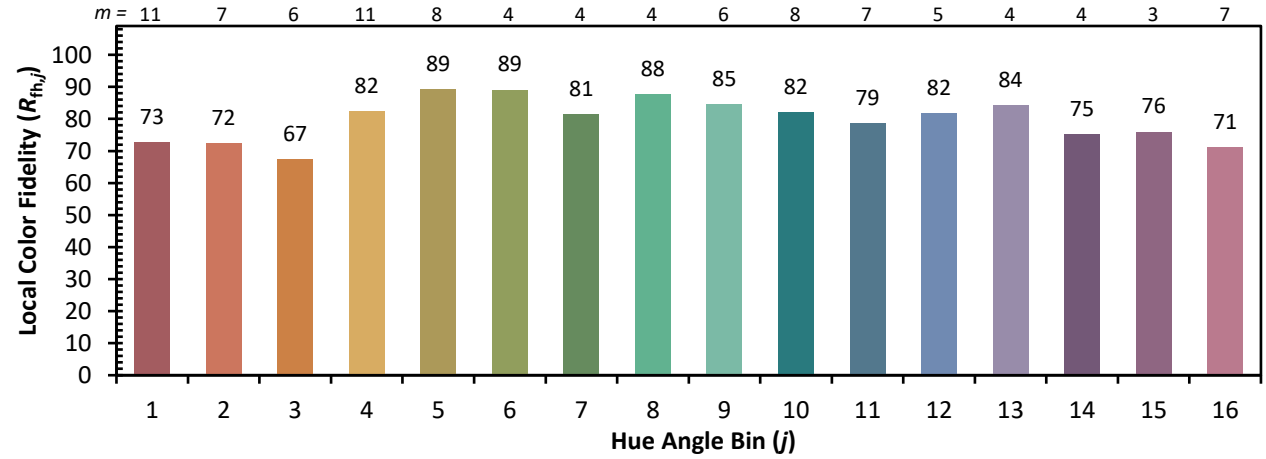
REPORT NUMBER: SP1-2501-332-8

TM-30-18

Color Rendition by Hue-Angle Bin



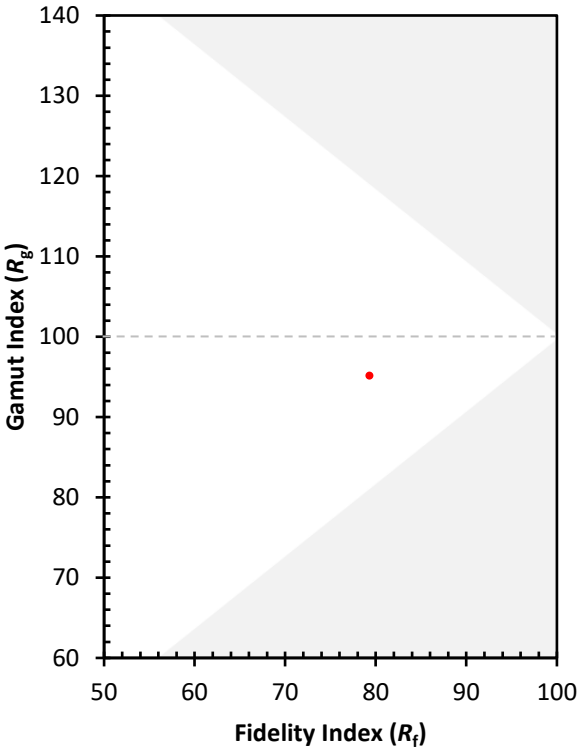


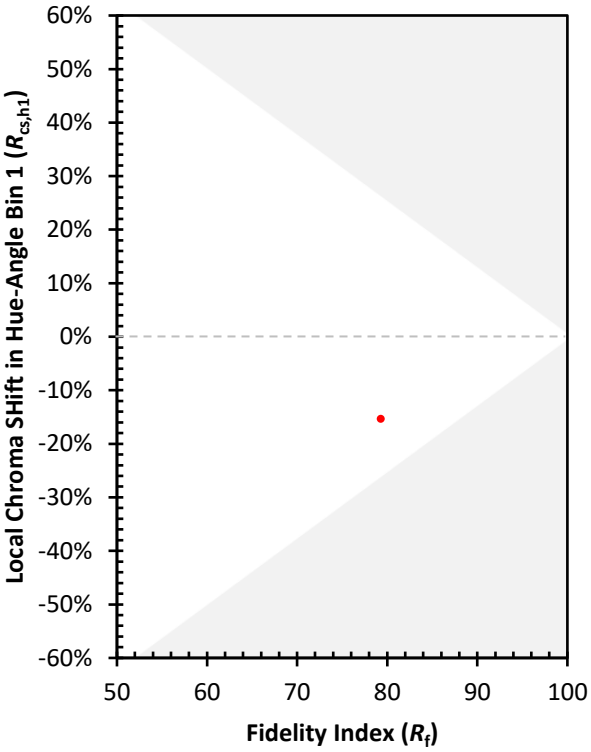


REPORT NUMBER: SP1-2501-332-8

TM-30-18

Measure Comparisons





(END OF REPORT)