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: P1045788

Luminaire Tested: **FFX-CLB-80-727-U-FR-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:	P1045788
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-727-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:	7949.2 lumens
Efficiency:	N/A
Efficacy:	97.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U5 - G3

Input Watts (W):	81.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.01%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

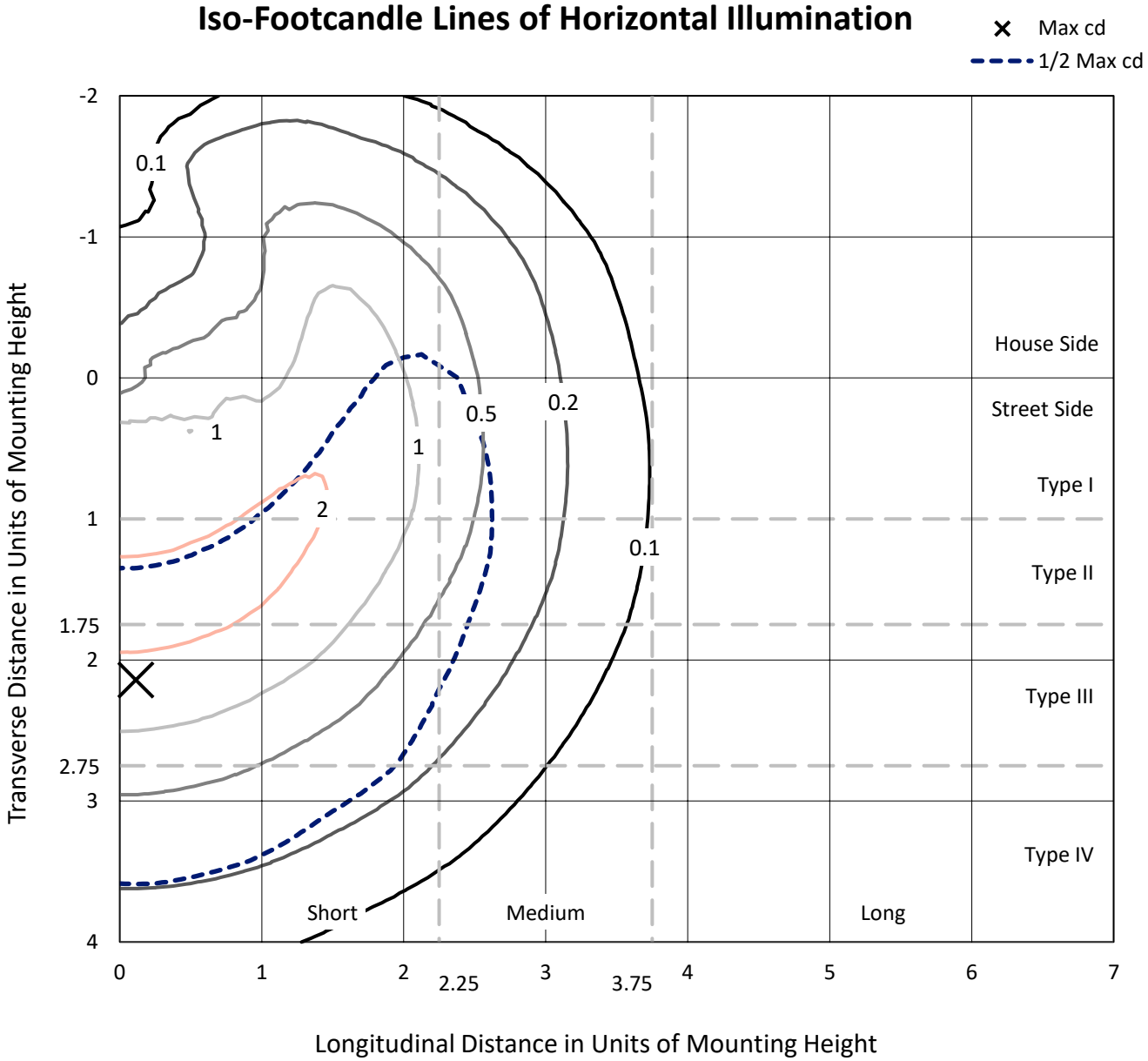


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Iso-Footcandle Lines of Horizontal Illumination



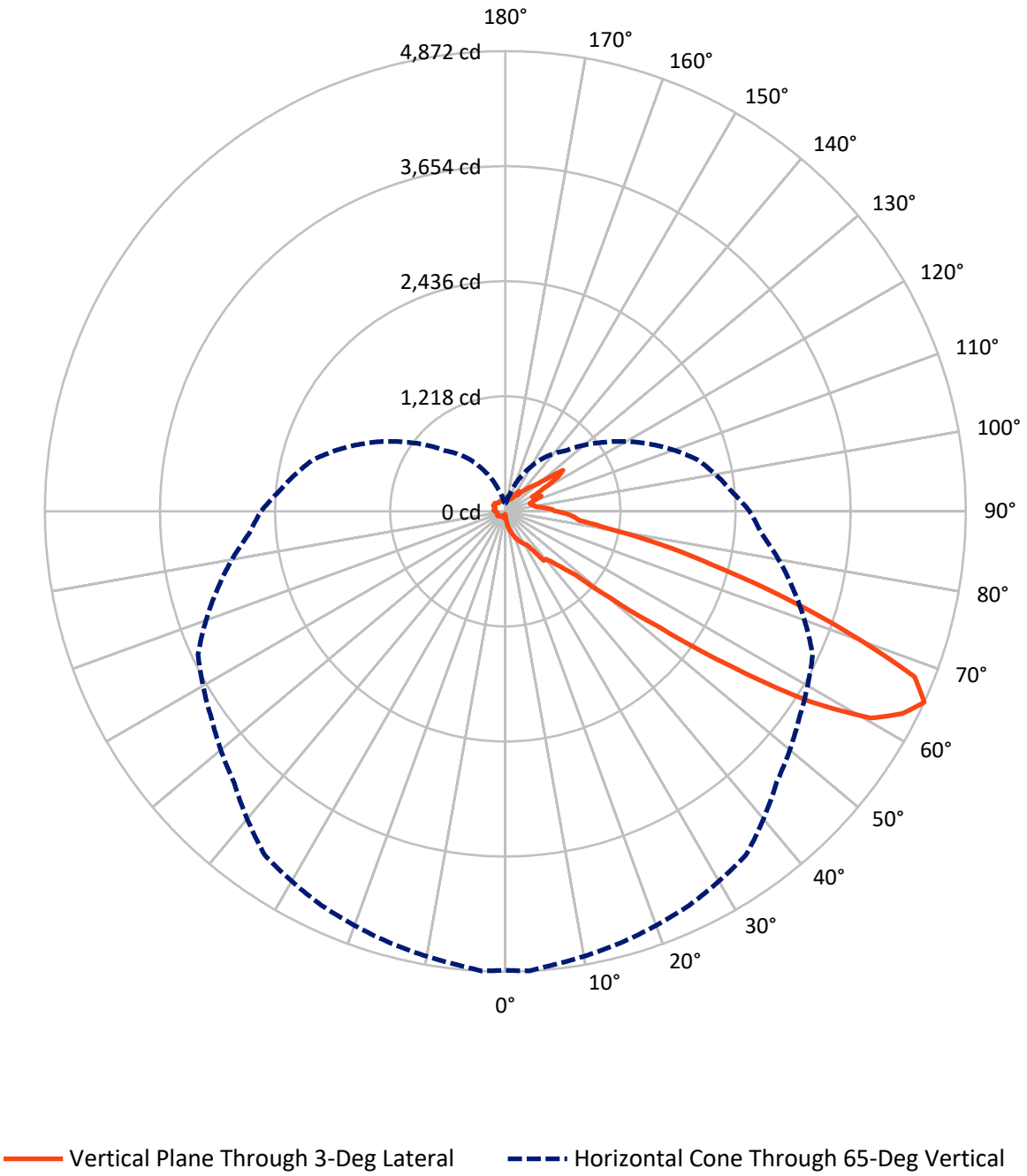
Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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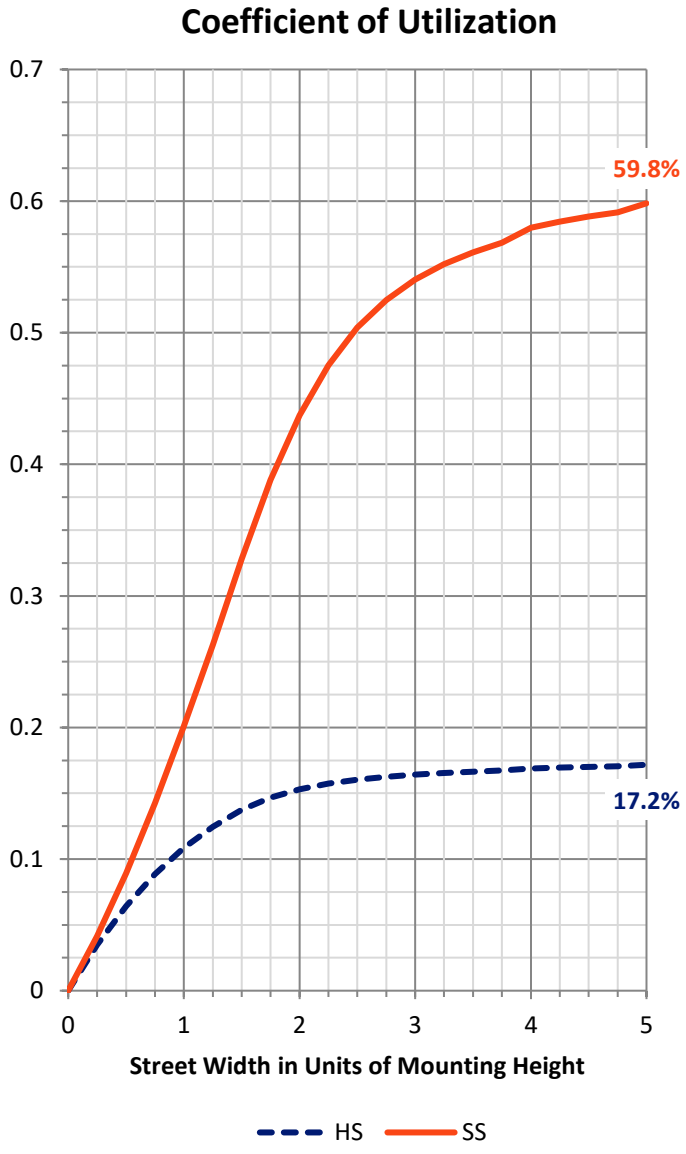
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1417.1	551.6	1968.8
	% Fixture	17.8	6.9	24.8
Street Side	Lumens	4953.8	1026.6	5980.4
	% Fixture	62.3	12.9	75.2
Total	Lumens	6371.0	1578.2	7949.2
	% Fixture	80.1	19.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	45.0	0.6
20°-30°	99.2	1.2
30°-40°	197.9	2.5
40°-50°	427.2	5.4
50°-60°	1460.8	18.4
60°-70°	2373.9	29.9
70°-80°	1277.3	16.1
80°-90°	481.3	6.1
90°-100°	303.6	3.8
100°-110°	215.8	2.7
110°-120°	238.2	3.0
120°-130°	363.9	4.6
130°-140°	218.3	2.7
140°-150°	120.5	1.5
150°-160°	67.1	0.8
160°-170°	37.1	0.5
170°-180°	13.7	0.2
0°-90°	6371.0	80.1
0°-180°	7949.2	100.0



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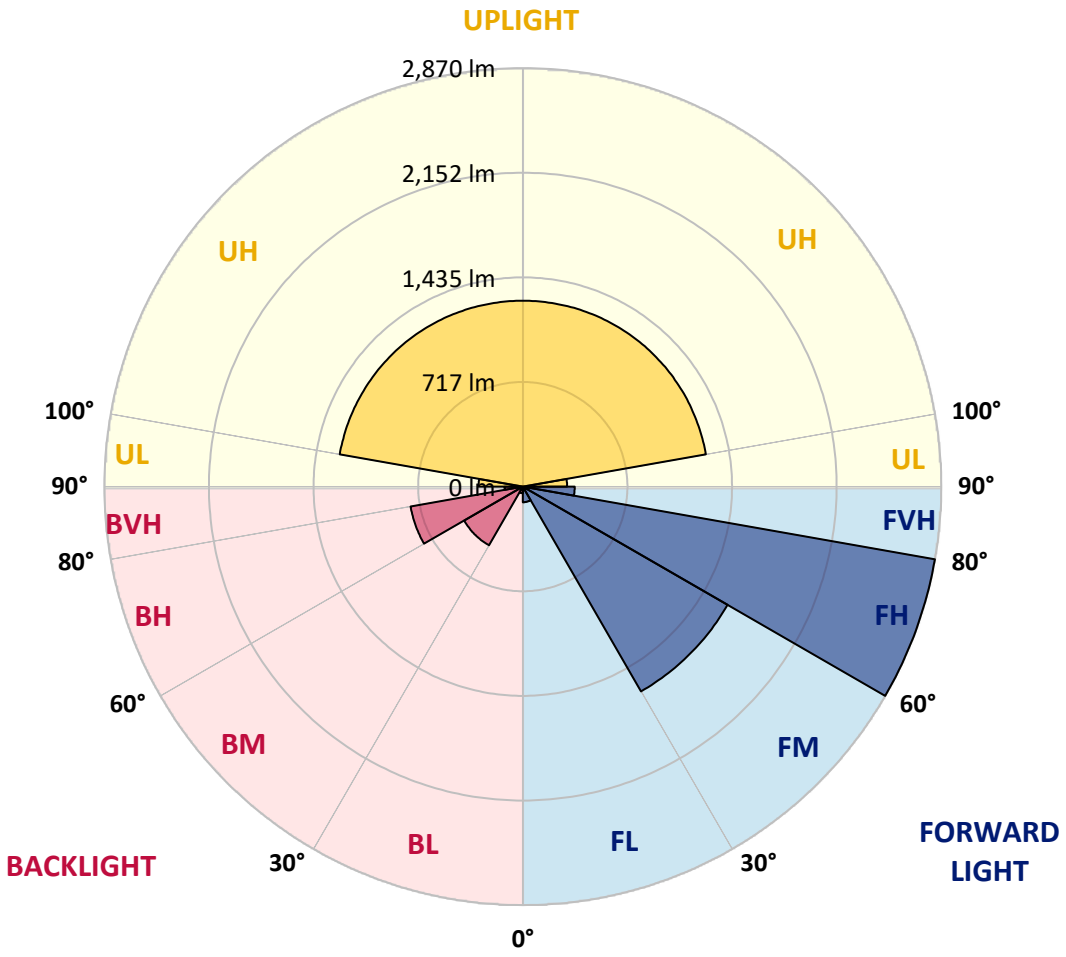
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	107.2	1.3			
FM	(30°-60°)	1621.4	20.4			
FH	(60°-80°)	2869.6	36.1			G2/5000
FVH	(80°-90°)	355.7	4.5			G3/500
BL	(0°-30°)	45.3	0.6	B0/110		
BM	(30°-60°)	464.6	5.8	B1/1000		
BH	(60°-80°)	781.6	9.8	B2/1000		G2/1000
BVH	(80°-90°)	125.6	1.6			G2/225
UL	(90°-100°)	303.6	3.8		U3/500	
UH	(100°-180°)	1274.6	16.0		U5	

BUG Rating: B2-U5-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2.5°	63.2	64.1	64.1	64.1	65.9	66.8	65.9	63.2	59.7	57.9	56.1
5°	91.7	93.5	92.6	92.6	90.8	90.8	88.2	86.4	84.6	78.4	72.1
7.5°	127.3	125.6	124.7	122.9	123.8	119.3	115.8	115.8	113.1	106.9	97.1
10°	164.7	164.7	162.1	161.2	159.4	157.6	151.4	147.8	147.8	137.1	125.6
12.5°	205.7	204.8	205.7	203.9	201.2	196.8	189.7	181.7	177.2	167.4	150.5
15°	232.4	231.5	231.5	230.6	228.8	224.4	219.1	211.0	199.5	189.7	173.6
17.5°	260.9	259.1	259.1	254.7	251.1	245.8	241.3	233.3	219.1	201.2	186.1
20°	292.1	292.1	292.1	285.8	278.7	271.6	265.4	258.2	247.5	220.8	199.5
22.5°	321.5	322.3	321.5	315.2	309.0	297.4	287.6	278.7	268.0	241.3	215.5
25°	349.9	351.7	350.8	350.8	342.8	327.7	314.3	301.0	293.8	267.1	231.5
27.5°	374.9	375.8	376.7	381.1	376.7	359.7	338.4	322.3	317.0	287.6	244.9
30°	398.9	401.6	401.6	406.0	405.2	386.5	360.6	342.8	332.1	303.6	258.2
32.5°	422.1	423.9	424.7	435.4	434.5	409.6	387.3	367.8	349.9	328.6	281.4
35°	505.8	503.1	516.5	524.5	518.2	496.0	469.3	432.8	407.8	382.9	332.1
37.5°	661.6	659.8	659.8	642.0	617.1	591.3	584.1	545.8	515.6	483.5	414.1
40°	666.1	666.1	668.7	688.3	700.8	667.8	636.7	599.3	593.0	560.1	475.5
42.5°	731.1	738.2	745.3	758.7	780.9	759.6	723.9	664.3	635.8	601.9	529.8
45°	841.5	852.2	848.6	853.9	848.6	829.9	827.2	794.3	751.5	686.5	589.5
47.5°	1024.0	1017.8	1014.2	1035.6	1070.3	1035.6	1027.6	975.0	893.1	810.3	699.9
50°	1472.8	1446.1	1473.7	1469.2	1463.0	1431.0	1406.9	1354.4	1220.8	1086.4	927.0
52.5°	2073.9	2030.2	2055.2	2072.1	2054.3	2008.9	1936.7	1834.3	1654.5	1480.8	1270.7
55°	2947.4	2886.8	2894.9	2916.2	2928.7	2825.4	2722.1	2495.9	2226.1	1958.1	1730.2
57.5°	3911.8	3803.1	3874.4	3755.0	3706.1	3521.7	3434.5	3205.6	2888.6	2530.7	2162.9
60°	4454.9	4443.4	4430.0	4337.4	4285.8	4079.2	3874.4	3659.8	3375.7	2952.7	2522.7
62.5°	4690.9	4715.8	4696.2	4648.2	4601.9	4420.2	4064.0	3809.4	3578.7	3144.2	2715.0
65°	4857.4	4871.7	4838.7	4727.4	4601.9	4439.8	4059.6	3799.6	3588.5	3150.4	2723.0
67.5°	4666.9	4669.5	4629.5	4485.2	4230.5	4088.1	3719.4	3492.4	3285.8	2911.8	2512.0
70°	3844.1	3852.1	3827.2	3698.9	3485.2	3361.5	3006.2	2772.9	2617.0	2358.8	2064.1
72.5°	2996.4	3031.1	2995.5	2944.7	2741.7	2650.0	2411.3	2222.6	2079.2	1836.1	1598.4
75°	2252.8	2260.9	2261.8	2204.8	2097.9	2077.4	1913.6	1788.9	1664.3	1464.8	1290.3
77.5°	1634.0	1669.6	1657.1	1647.3	1507.5	1515.6	1450.5	1376.6	1298.3	1165.6	1040.9
80°	1084.6	1103.3	1081.0	1086.4	1067.7	1063.2	1002.7	952.8	904.7	843.3	794.3
82.5°	790.7	787.2	785.4	775.6	761.3	764.0	733.7	672.3	614.4	601.9	556.5
85°	731.1	728.4	725.7	707.9	677.6	658.9	642.0	617.1	581.5	525.4	466.6
87.5°	639.3	640.2	634.0	615.3	595.7	590.4	577.0	561.0	543.2	501.3	449.7
90°	526.3	523.6	524.5	513.8	517.4	515.6	495.1	475.5	468.4	432.8	402.5
92.5°	486.2	483.5	484.4	476.4	463.9	461.3	439.0	415.0	404.3	382.0	358.9
95°	406.0	406.0	402.5	398.9	392.7	383.8	372.2	356.2	348.2	330.4	307.2
97.5°	341.0	337.5	340.2	333.9	328.6	325.0	316.1	300.1	292.1	278.7	260.9
100°	317.0	317.0	316.1	313.4	300.1	293.0	283.2	268.0	261.8	250.2	236.9
102.5°	303.6	302.8	301.9	299.2	286.7	274.3	261.8	252.9	245.8	236.0	221.7
105°	277.8	277.8	279.6	278.7	269.8	261.8	248.4	240.4	233.3	223.5	210.1
107.5°	275.2	274.3	274.3	263.6	252.0	247.5	237.8	230.6	224.4	214.6	199.5
110°	315.2	317.0	319.7	301.9	274.3	262.7	248.4	240.4	233.3	220.8	204.8

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CANDELA DISTRIBUTION (continued):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	413.2	*413.2*	411.4	401.6	353.5	321.5	314.3	293.8	282.3	263.6	241.3
115°	371.3	*372.2*	371.3	374.0	370.4	330.4	337.5	303.6	323.2	279.6	264.5
117.5°	324.1	*323.2*	319.7	320.6	324.1	349.9	293.8	285.8	293.8	254.7	241.3
120°	452.4	*444.3*	452.4	419.4	414.1	418.5	386.5	380.2	346.4	299.2	263.6
122.5°	666.1	*653.6*	671.4	659.8	668.7	639.3	608.2	582.4	545.0	465.7	394.5
125°	752.4	*749.8*	745.3	729.3	715.0	702.6	707.9	717.7	697.2	633.1	550.3
127.5°	553.9	*561.0*	558.3	590.4	621.5	614.4	595.7	604.6	615.3	611.7	562.8
130°	441.7	*447.9*	451.5	482.6	509.3	509.3	479.1	471.0	480.0	498.7	480.0
132.5°	387.3	*389.1*	390.9	401.6	423.9	434.5	415.8	403.4	406.9	416.7	400.7
135°	349.1	*348.2*	345.5	338.4	340.2	350.8	358.9	357.1	354.4	354.4	345.5
137.5°	302.8	*301.9*	301.9	291.2	286.7	295.6	307.2	317.9	310.8	301.0	290.3
140°	252.0	*251.1*	252.0	258.2	260.0	260.9	267.1	267.1	267.1	266.2	261.8
142.5°	209.3	*210.1*	211.9	228.0	236.0	236.0	228.0	220.8	219.9	225.3	226.2
145°	257.3	*257.3*	258.2	257.3	252.0	246.7	241.3	241.3	236.0	223.5	217.3
147.5°	229.7	*233.3*	230.6	233.3	235.1	236.0	235.1	237.8	238.6	231.5	221.7
150°	180.8	*179.9*	178.1	180.8	185.2	190.6	192.3	194.1	195.0	195.0	195.0
152.5°	156.7	*157.6*	156.7	159.4	162.1	163.0	165.6	165.6	166.5	165.6	163.8
155°	152.3	*152.3*	152.3	152.3	153.2	154.9	158.5	160.3	158.5	155.8	151.4
157.5°	141.6	*141.6*	141.6	142.5	144.3	146.0	148.7	150.5	150.5	148.7	145.1
160°	135.3	*135.3*	135.3	135.3	137.1	138.9	140.7	142.5	142.5	141.6	138.9
162.5°	128.2	*128.2*	128.2	129.1	130.9	132.7	134.5	136.2	135.3	135.3	133.6
165°	127.3	*127.3*	127.3	128.2	130.0	132.7	133.6	133.6	134.5	134.5	134.5
167.5°	130.9	*130.9*	131.8	131.8	133.6	134.5	136.2	137.1	138.0	137.1	137.1
170°	136.2	*136.2*	136.2	137.1	138.0	138.0	138.9	138.9	139.8	139.8	139.8
172.5°	143.4	*143.4*	143.4	143.4	142.5	142.5	142.5	142.5	143.4	142.5	143.4
175°	151.4	*151.4*	151.4	150.5	149.6	149.6	148.7	148.7	147.8	146.9	146.9
177.5°	152.3	*152.3*	152.3	152.3	151.4	150.5	150.5	149.6	148.7	148.7	148.7
180°	148.7	*148.7*	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
2.5°	54.3	52.5	48.1	44.5	41.9	38.3	35.6	32.9	31.2	30.3	29.4
5°	71.2	67.7	62.3	57.0	52.5	46.3	42.7	36.5	32.1	30.3	29.4
7.5°	93.5	90.8	88.2	87.3	85.5	77.5	65.9	57.0	55.2	53.4	55.2
10°	119.3	114.0	106.0	110.4	110.4	95.3	79.3	70.3	69.5	73.0	73.9
12.5°	143.4	136.2	126.4	125.6	115.8	95.3	78.4	69.5	68.6	69.5	70.3
15°	165.6	157.6	146.9	138.0	122.9	101.5	81.9	70.3	67.7	70.3	70.3
17.5°	178.1	170.1	154.9	138.0	120.2	100.6	81.0	68.6	62.3	58.8	58.8
20°	193.2	187.0	166.5	145.1	121.1	99.7	80.1	66.8	59.7	56.1	55.2
22.5°	206.6	199.5	177.2	154.0	126.4	99.7	77.5	65.9	59.7	56.1	55.2
25°	222.6	211.9	189.7	163.8	130.9	99.7	77.5	66.8	60.6	57.0	56.1
27.5°	233.3	220.8	199.5	171.0	136.2	101.5	80.1	67.7	60.6	57.0	57.0
30°	244.0	232.4	207.5	180.8	142.5	106.0	84.6	71.2	63.2	58.8	58.8
32.5°	265.4	250.2	219.9	188.8	147.8	109.5	89.0	74.8	65.9	61.4	61.4
35°	313.4	292.1	255.6	211.9	154.9	113.1	93.5	79.3	67.7	62.3	62.3
37.5°	386.5	359.7	315.2	255.6	172.7	118.4	97.1	81.0	69.5	65.0	64.1
40°	434.5	401.6	348.2	290.3	198.6	127.3	101.5	83.7	71.2	65.9	65.0
42.5°	492.4	452.4	381.1	301.0	211.9	146.0	110.4	88.2	73.9	66.8	65.9
45°	545.0	511.1	444.3	351.7	250.2	173.6	126.4	96.2	78.4	69.5	68.6
47.5°	651.8	599.3	510.2	415.0	298.3	215.5	154.0	108.6	85.5	73.0	71.2
50°	860.2	805.9	698.1	550.3	385.6	274.3	198.6	131.8	94.4	76.6	73.9
52.5°	1168.3	1068.5	948.3	748.9	546.7	396.3	281.4	186.1	112.2	80.1	75.7
55°	1580.6	1523.6	1310.7	1057.0	779.1	593.0	432.8	289.4	167.4	84.6	76.6
57.5°	2053.4	1940.3	1746.2	1430.1	1041.8	755.1	585.0	431.0	246.7	98.8	81.0
60°	2357.9	2240.4	2017.8	1698.1	1268.0	900.2	666.9	480.0	279.6	101.5	84.6
62.5°	2554.7	2390.0	2107.7	1733.7	1333.9	959.9	704.3	455.9	238.6	98.8	87.3
65°	*2585.0*	*2406.0*	*2107.7*	*1684.7*	*1274.2*	*910.9*	*681.2*	*421.2*	*187.9*	*94.4*	*90.8*
67.5°	2406.0	2211.9	1964.3	1544.9	1143.3	780.9	585.0	343.7	142.5	91.7	89.9
70°	1948.3	1826.3	1601.0	1259.1	912.7	639.3	465.7	263.6	115.8	89.0	88.2
72.5°	1488.8	1400.7	1243.1	981.3	703.5	493.3	355.3	207.5	104.2	87.3	86.4
75°	1185.2	1105.1	976.8	756.0	536.9	380.2	265.4	159.4	95.3	87.3	85.5
77.5°	977.7	907.4	791.6	599.3	391.8	284.1	201.2	129.1	93.5	87.3	86.4
80°	752.4	701.7	615.3	435.4	280.5	212.8	160.3	114.9	93.5	89.0	88.2
82.5°	533.4	513.8	448.8	339.3	236.0	185.2	147.8	113.1	95.3	90.8	89.9
85°	443.4	420.3	374.0	295.6	219.9	179.0	146.0	115.8	99.7	96.2	95.3
87.5°	427.4	412.3	366.9	285.8	211.0	171.0	139.8	113.1	99.7	97.9	98.8
90°	386.5	369.5	334.8	266.2	202.1	170.1	142.5	117.5	103.3	101.5	100.6
92.5°	350.8	341.0	310.8	257.3	208.4	176.3	150.5	128.2	116.6	113.1	113.1
95°	300.1	290.3	273.4	236.0	198.6	172.7	150.5	130.9	121.1	119.3	118.4
97.5°	255.6	249.3	235.1	205.7	176.3	154.9	135.3	120.2	112.2	109.5	109.5
100°	233.3	228.0	216.4	196.8	174.5	156.7	140.7	127.3	120.2	118.4	118.4
102.5°	217.3	212.8	202.1	187.9	168.3	154.0	140.7	129.1	121.1	119.3	120.2
105°	203.9	199.5	188.8	174.5	158.5	143.4	133.6	124.7	115.8	113.1	113.1
107.5°	194.1	189.7	180.8	166.5	153.2	139.8	129.1	122.0	114.9	113.1	113.1
110°	198.6	192.3	179.0	163.8	152.3	140.7	131.8	124.7	119.3	116.6	116.6

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

Scaled Data Report

REPORT NUMBER: P1045788
CATALOG NUMBER: FFX-CLB-80-727-U-FR-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	232.4	222.6	200.4	179.0	163.8	150.5	140.7	130.9	126.4	122.9	122.9
115°	254.7	244.9	222.6	196.8	174.5	155.8	142.5	134.5	129.1	132.7	130.9
117.5°	232.4	225.3	208.4	189.7	171.9	155.8	144.3	138.9	135.3	139.8	141.6
120°	255.6	242.2	228.8	207.5	174.5	152.3	144.3	142.5	142.5	138.9	138.9
122.5°	365.1	342.8	293.0	256.5	211.0	186.1	171.0	156.7	142.5	137.1	136.2
125°	511.1	469.3	406.0	341.9	279.6	227.1	183.4	156.7	143.4	135.3	133.6
127.5°	537.8	501.3	443.4	366.0	281.4	221.7	182.5	162.1	146.9	138.0	137.1
130°	454.1	436.3	384.7	317.9	252.9	206.6	180.8	162.1	147.8	139.8	138.0
132.5°	385.6	373.1	325.0	271.6	225.3	191.4	168.3	147.8	134.5	127.3	125.6
135°	331.2	323.2	281.4	243.1	208.4	180.8	156.7	137.1	126.4	122.0	121.1
137.5°	284.1	276.0	247.5	220.8	194.1	170.1	150.5	133.6	123.8	121.1	120.2
140°	254.7	247.5	229.7	201.2	175.4	150.5	136.2	125.6	120.2	118.4	117.5
142.5°	221.7	213.7	194.1	173.6	155.8	136.2	126.4	122.0	119.3	117.5	116.6
145°	210.1	204.8	182.5	163.8	146.9	137.1	131.8	125.6	120.2	116.6	115.8
147.5°	212.8	206.6	187.0	169.2	154.0	143.4	134.5	125.6	118.4	114.9	114.0
150°	190.6	188.8	177.2	163.0	148.7	137.1	128.2	121.1	116.6	115.8	115.8
152.5°	159.4	158.5	153.2	145.1	135.3	126.4	120.2	116.6	116.6	118.4	119.3
155°	149.6	146.9	143.4	138.0	130.0	123.8	119.3	117.5	118.4	120.2	120.2
157.5°	144.3	141.6	138.0	133.6	129.1	123.8	120.2	119.3	121.1	122.9	122.9
160°	137.1	135.3	132.7	128.2	124.7	122.0	120.2	120.2	121.1	122.0	122.0
162.5°	132.7	130.9	128.2	125.6	123.8	122.9	122.0	121.1	122.0	122.9	122.9
165°	132.7	131.8	128.2	125.6	124.7	124.7	124.7	124.7	124.7	123.8	123.8
167.5°	136.2	135.3	132.7	130.9	130.0	130.9	130.9	130.0	129.1	127.3	127.3
170°	139.8	138.9	138.0	137.1	136.2	137.1	137.1	137.1	136.2	136.2	135.3
172.5°	143.4	142.5	141.6	140.7	140.7	140.7	141.6	142.5	142.5	142.5	142.5
175°	146.9	146.9	145.1	144.3	144.3	144.3	145.1	145.1	146.0	146.0	146.0
177.5°	148.7	148.7	148.7	148.7	149.6	148.7	148.7	147.8	147.8	147.8	147.8
180°	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7	148.7

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: SP1-2501-332-3

Test Date: 03/21/2025

Luminaire Tested: FFX-CLB-100-727-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-727-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

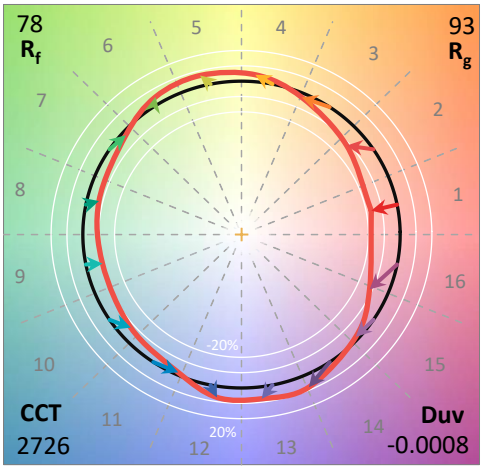
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-3
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-100-727-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	2726
CIE u':	0.2616
CIE v':	0.5257
Duv:	-0.0008
CIE x:	0.4564
CIE y:	0.4077
CIE z:	0.1358
Peak Wavelength (nm):	599
Dominant Wavelength (nm):	584
Purity:	59.39437
Rf:	77.8
Rg:	93.1

CRI (Ra):	72.7
R1:	69.3
R2:	86.2
R3:	92.5
R4:	67.2
R5:	69.7
R6:	82.9
R7:	74.2
R8:	39.5
R9:	-32.4
R10:	70.6
R11:	63.6
R12:	64.8
R13:	72.8
R14:	96.1
R15:	60.3



Test Conditions

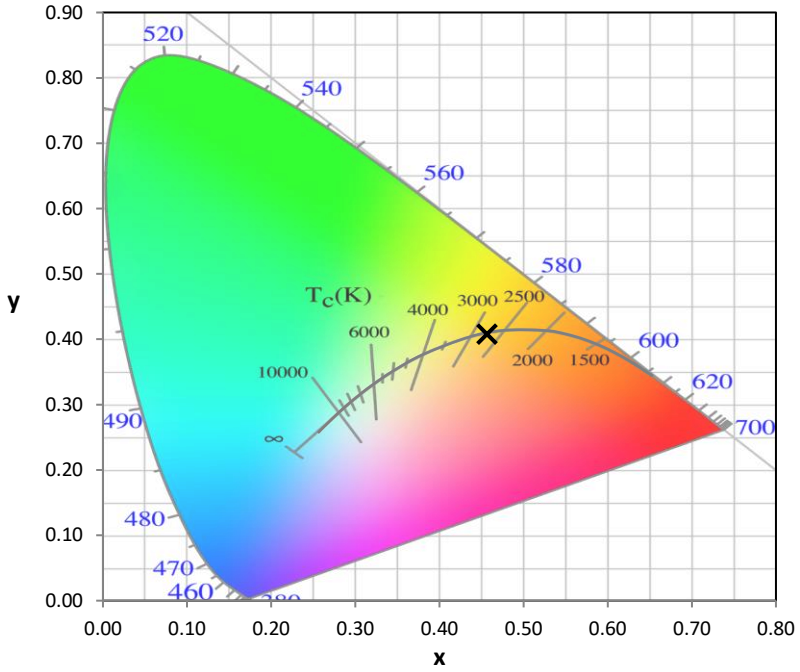
Stabilization Time:	75M
Operation Time:	2H 15M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-3

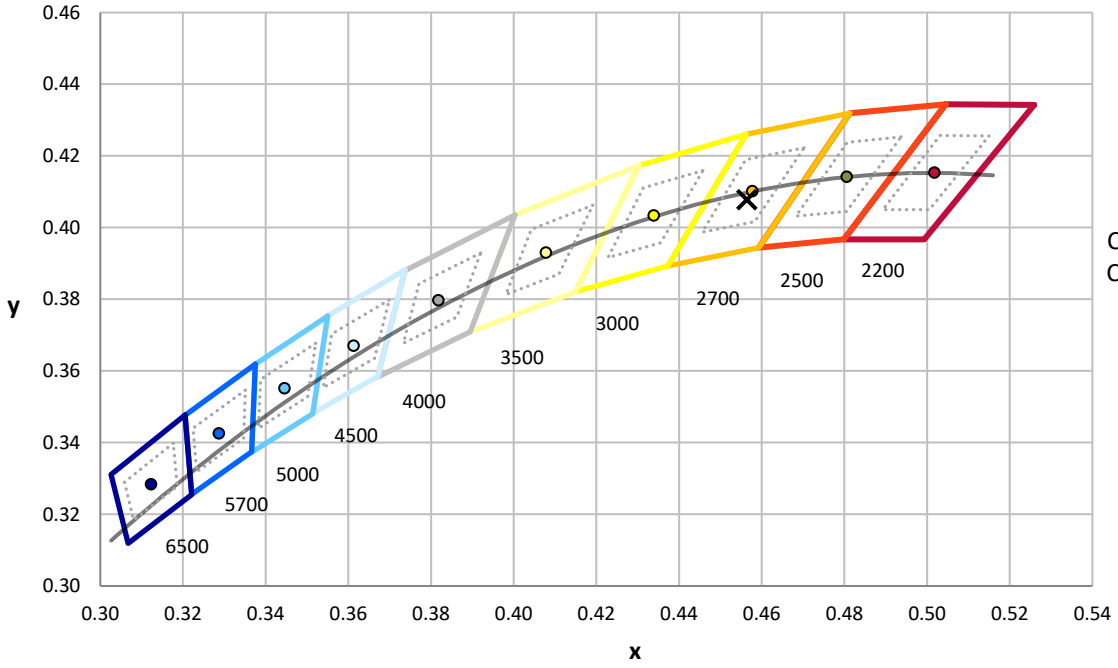
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-3

CIE 1931 Chromaticity Diagram



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

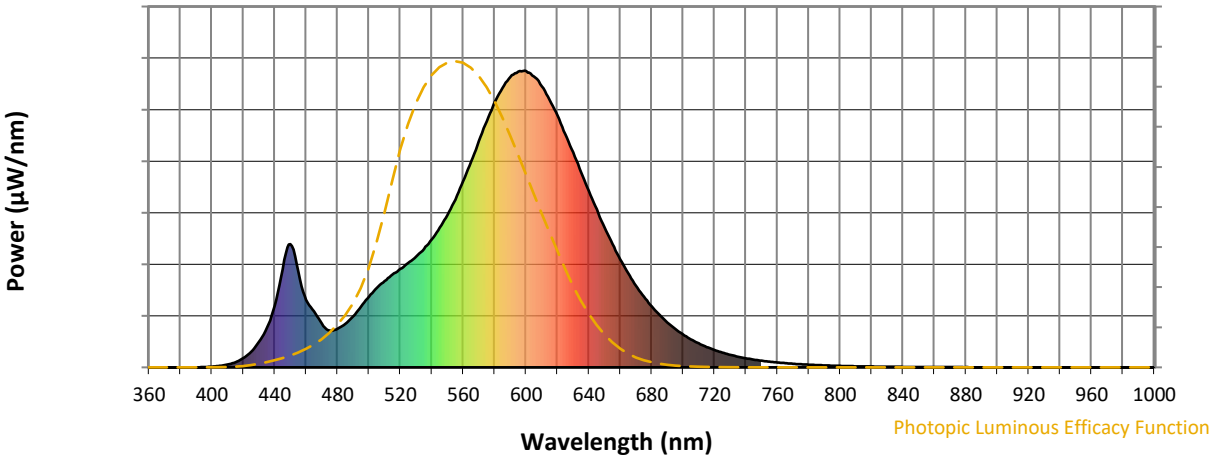


CCT = 2726K
CIE x = 0.4564
CIE y = 0.4077
Duv = -0.0008

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-3

Photopic Flux vs. Wavelength

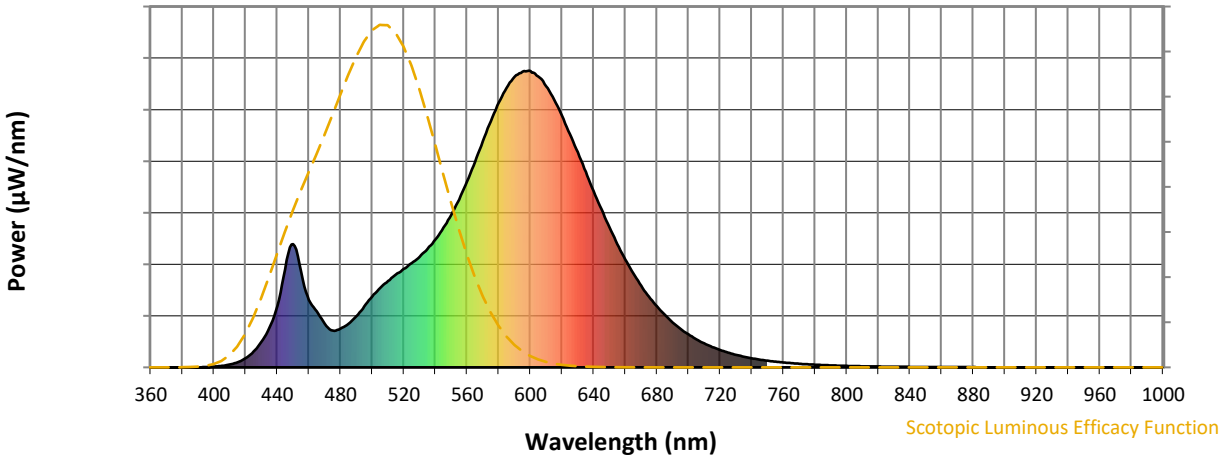


Photopic Lumens: NR

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Scotopic Flux vs. Wavelength

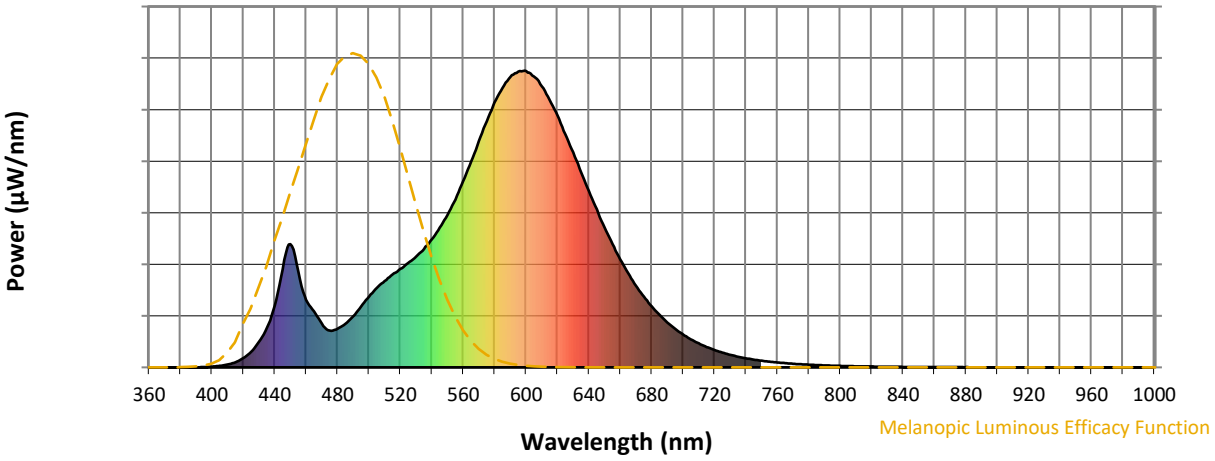


Scotopic Lumens: NR **S/P: 1.16**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	172	NR	620	849	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	786	NR	755	19	NR	885	0	NR
370	0	NR	500	239	NR	630	724	NR	760	17	NR	890	0	NR
375	0	NR	505	268	NR	635	659	NR	765	14	NR	895	0	NR
380	0	NR	510	291	NR	640	594	NR	770	12	NR	900	0	NR
385	0	NR	515	313	NR	645	533	NR	775	10	NR	905	0	NR
390	0	NR	520	332	NR	650	472	NR	780	9	NR	910	0	NR
395	1	NR	525	352	NR	655	416	NR	785	8	NR	915	0	NR
400	3	NR	530	374	NR	660	364	NR	790	7	NR	920	0	NR
405	5	NR	535	399	NR	665	317	NR	795	6	NR	925	0	NR
410	10	NR	540	432	NR	670	275	NR	800	5	NR	930	0	NR
415	18	NR	545	471	NR	675	238	NR	805	4	NR	935	0	NR
420	31	NR	550	513	NR	680	206	NR	810	4	NR	940	0	NR
425	52	NR	555	565	NR	685	177	NR	815	3	NR	945	0	NR
430	86	NR	560	628	NR	690	151	NR	820	3	NR	950	0	NR
435	134	NR	565	693	NR	695	130	NR	825	2	NR	955	0	NR
440	207	NR	570	763	NR	700	111	NR	830	2	NR	960	0	NR
445	330	NR	575	829	NR	705	94	NR	835	2	NR	965	0	NR
450	415	NR	580	893	NR	710	80	NR	840	2	NR	970	0	NR
455	323	NR	585	942	NR	715	68	NR	845	1	NR	975	0	NR
460	228	NR	590	979	NR	720	58	NR	850	1	NR	980	0	NR
465	189	NR	595	996	NR	725	50	NR	855	1	NR	985	0	NR
470	146	NR	600	998	NR	730	43	NR	860	1	NR	990	0	NR
475	125	NR	605	980	NR	735	36	NR	865	1	NR	995	0	NR
480	131	NR	610	947	NR	740	31	NR	870	1	NR	1000	0	NR
485	147	NR	615	902	NR	745	26	NR	875	1	NR			

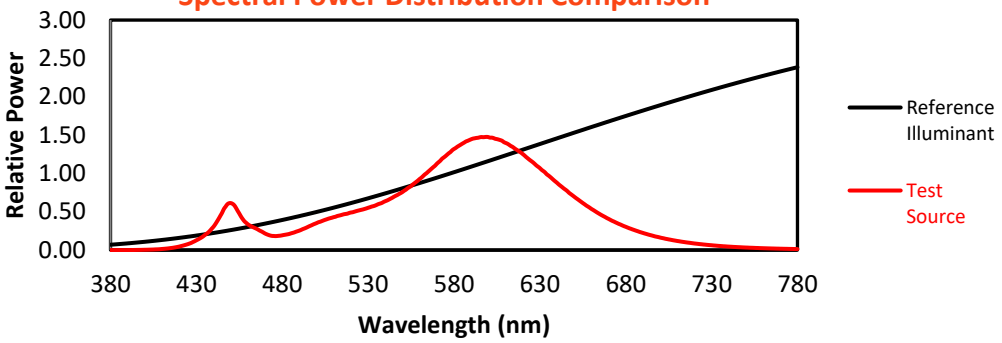
REPORT NUMBER: SP1-2501-332-3

TM-30-18

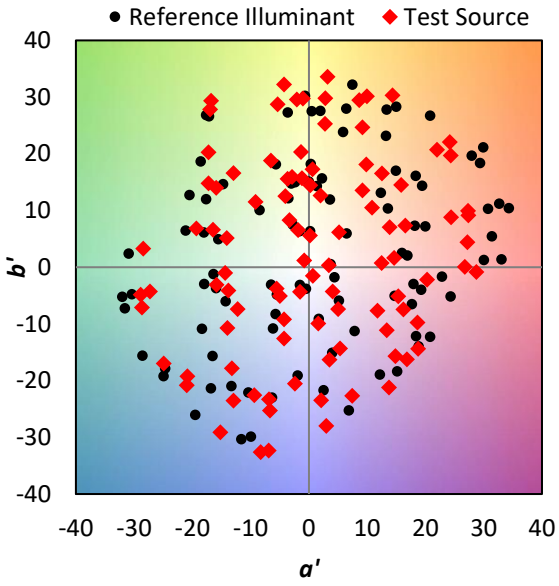
Summary

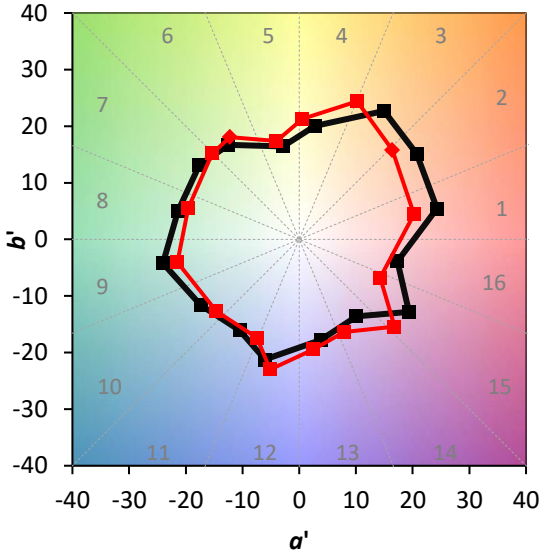
R_f = 77.8
R_g = 93.1
CIE R_a = 72.7
R_9 = -32.4

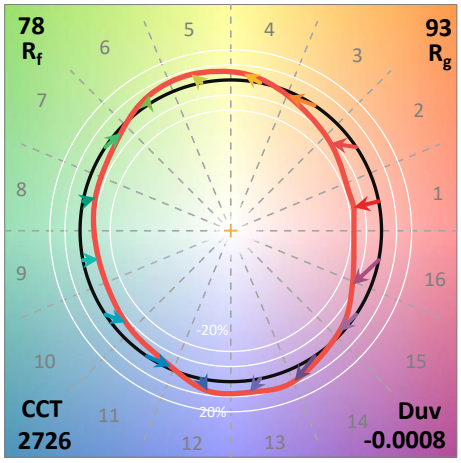
Spectral Power Distribution Comparison

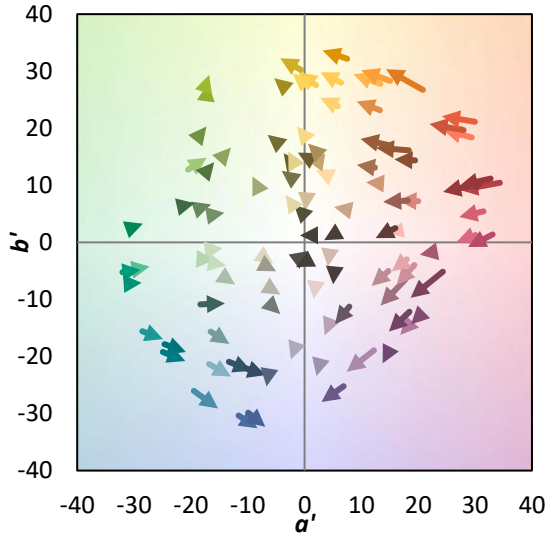


Color Vector Graphics







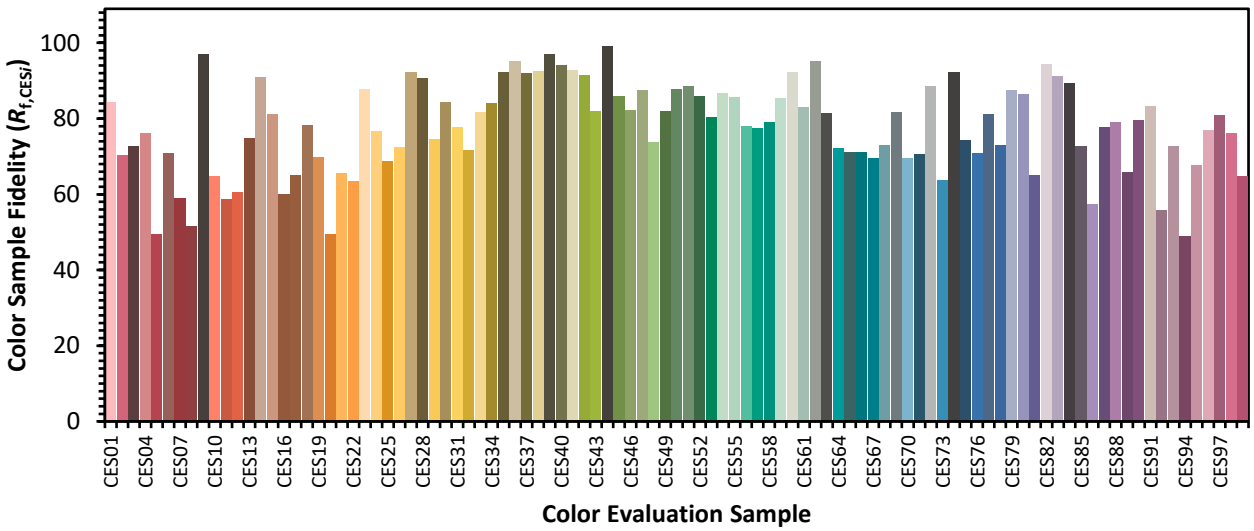


REPORT NUMBER: SP1-2501-332-3

TM-30-18

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

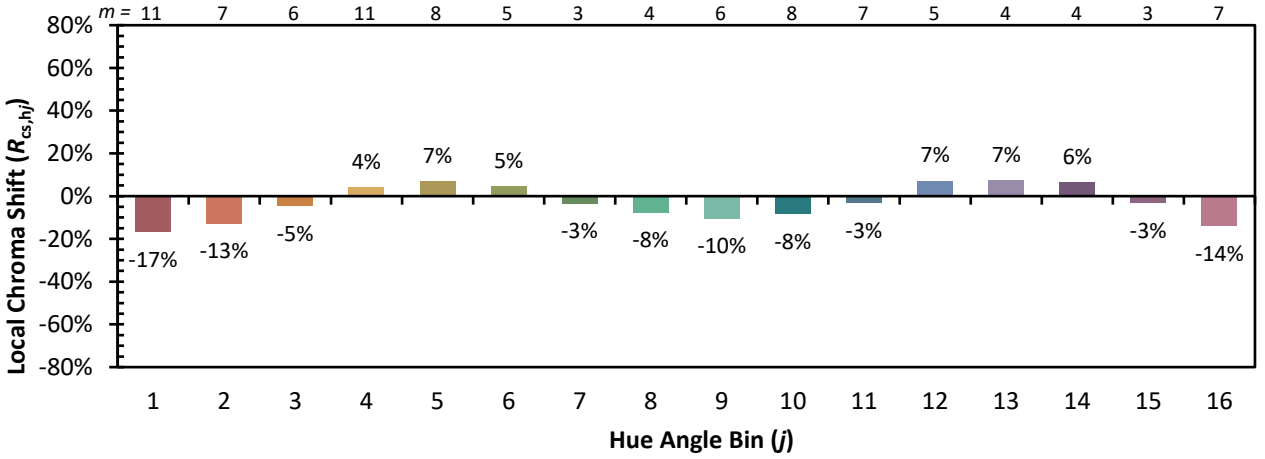
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CES02 = 63	CES27 = 92	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 91	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 75	CES54 = 87	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 86	CES80 = 87
CES06 = 52	CES31 = 78	CES56 = 78	CES81 = 65
CES07 = 42	CES32 = 72	CES57 = 77	CES82 = 94
CES08 = 41	CES33 = 82	CES58 = 79	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 73
CES11 = 60	CES36 = 95	CES61 = 83	CES86 = 57
CES12 = 66	CES37 = 92	CES62 = 95	CES87 = 78
CES13 = 44	CES38 = 93	CES63 = 82	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 71	CES91 = 83
CES17 = 51	CES42 = 92	CES67 = 69	CES92 = 56
CES18 = 57	CES43 = 82	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 92	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 74	

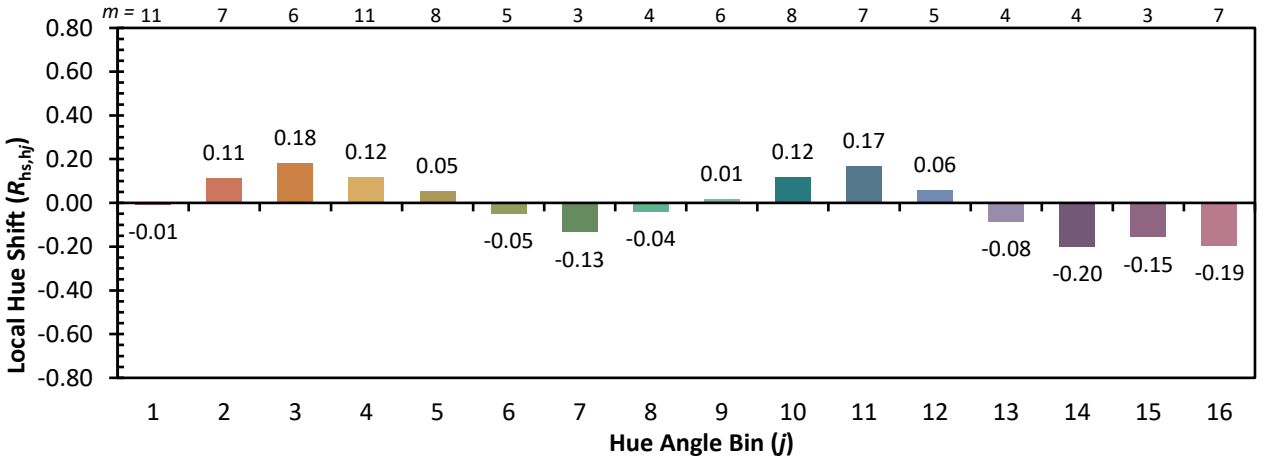


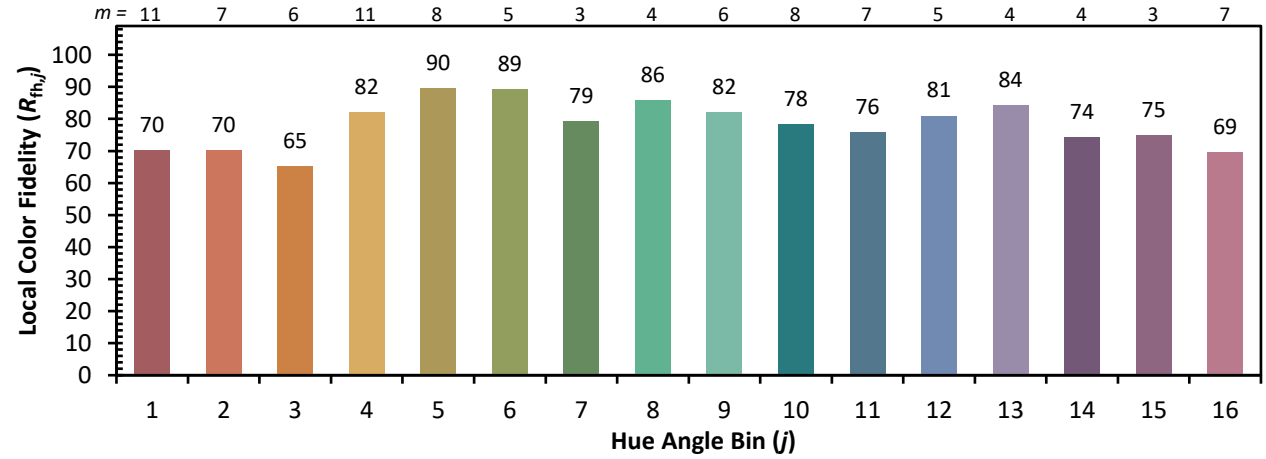
REPORT NUMBER: SP1-2501-332-3

TM-30-18

Color Rendition by Hue-Angle Bin



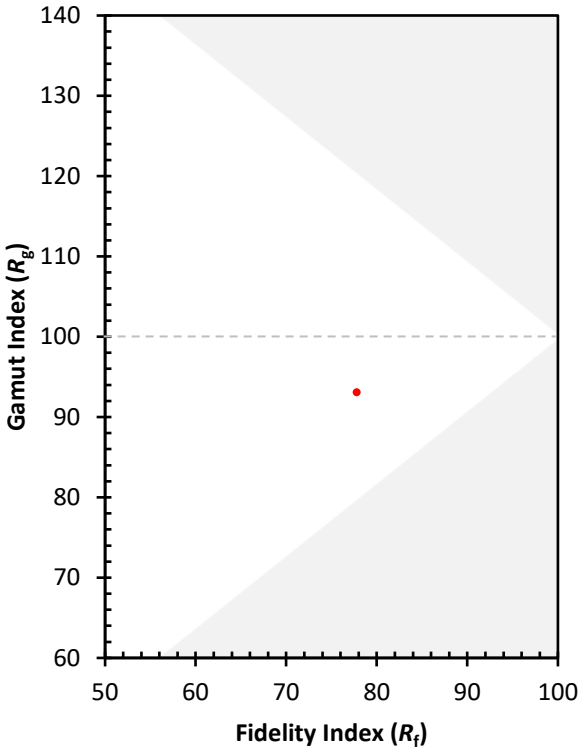


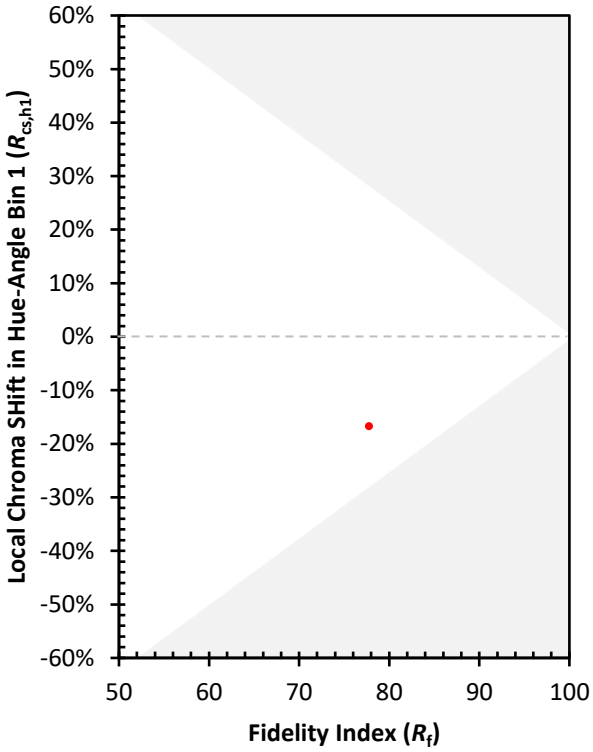


REPORT NUMBER: SP1-2501-332-3

TM-30-18

Measure Comparisons





(END OF REPORT)