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: P981482

Luminaire Tested: **FFX-CLB-60-740-U-FR-T3-UPLR**

Issue Date: 04/15/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P981482
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	04/15/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-740-U-FR-T3-UPLR
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND UPLIGHT REFLECTOR
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9522.9 lumens
Efficiency:	N/A
Efficacy:	157.1 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B3 - U4 - G3

Input Watts (W):	60.6
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.53%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

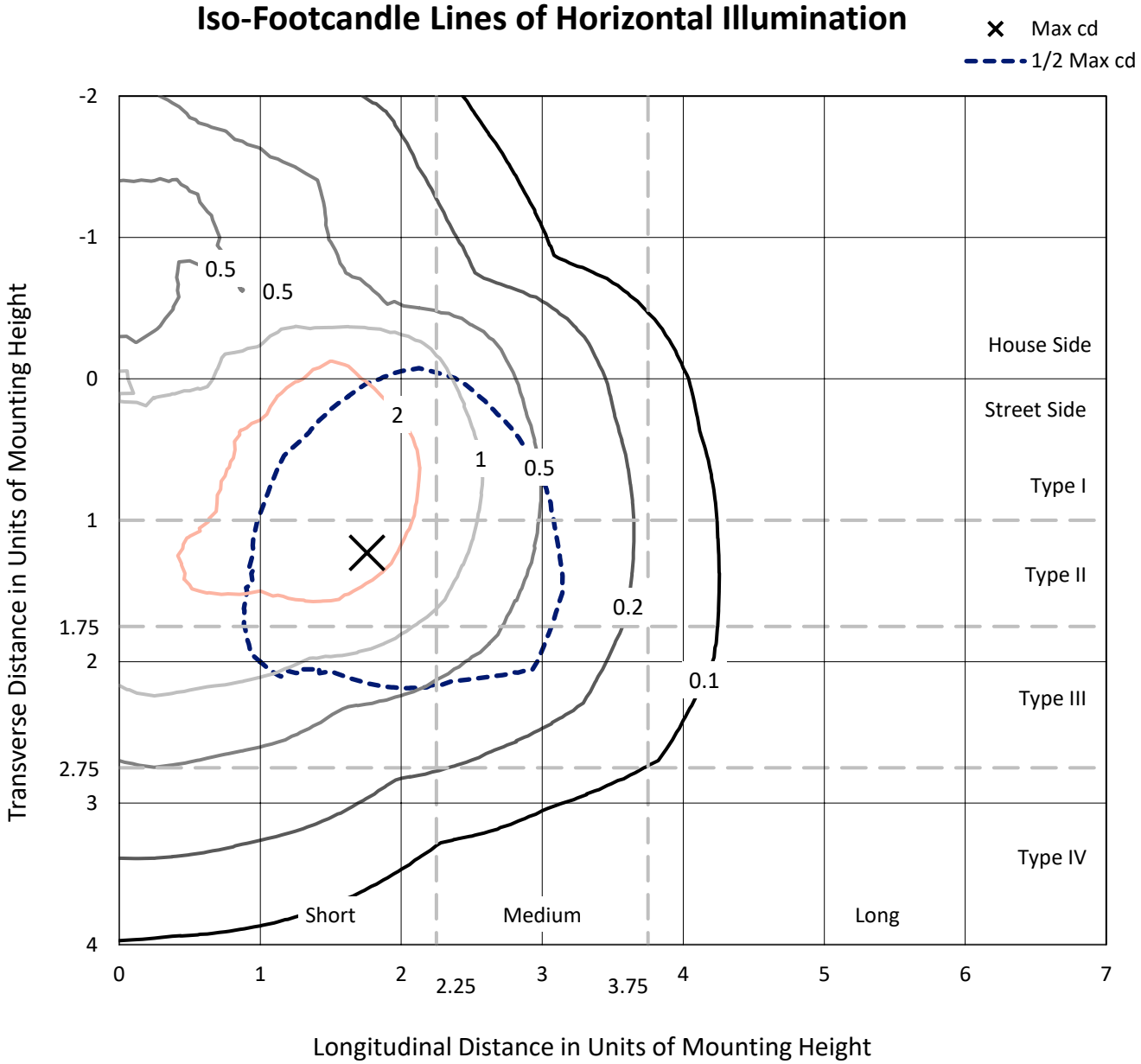


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Iso-Footcandle Lines of Horizontal Illumination



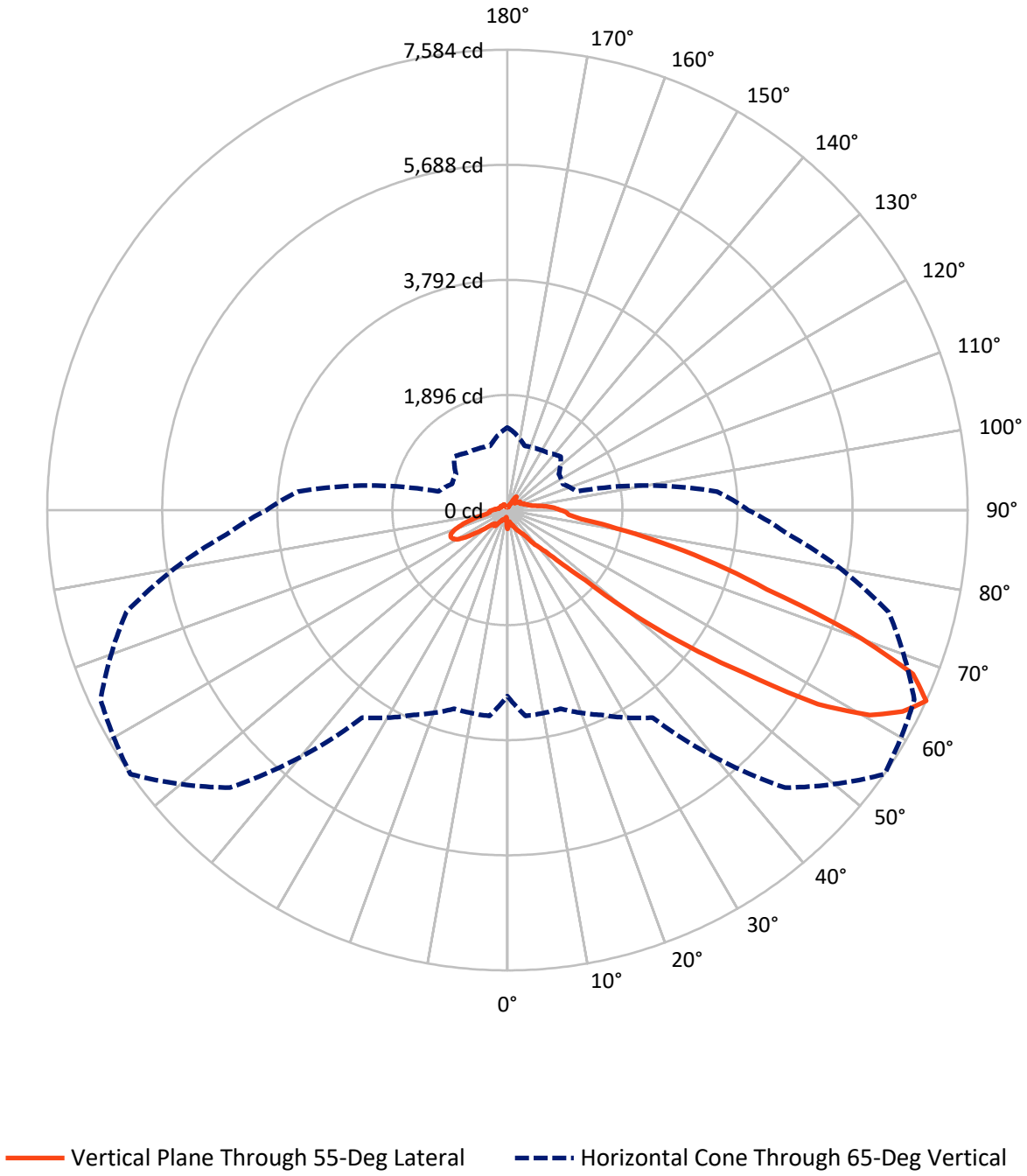
Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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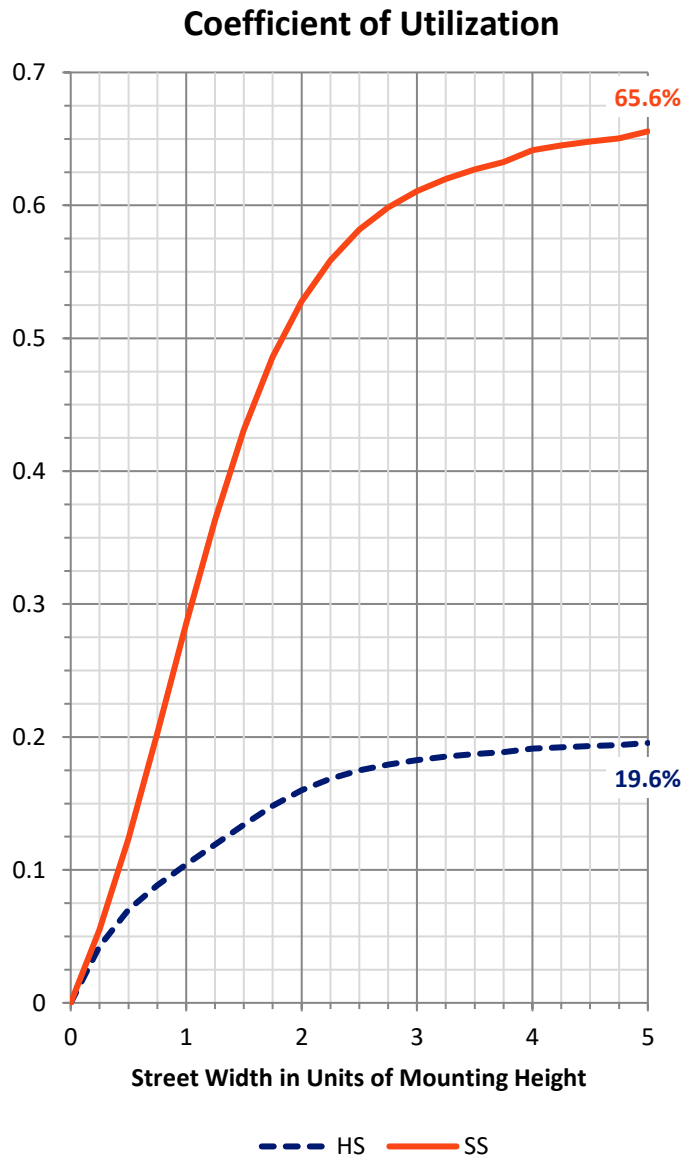
REPORT NUMBER: P981482
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1934.6	377.5	2312.1
	% Fixture	20.3	4.0	24.3
Street Side	Lumens	6455.4	755.4	7210.8
	% Fixture	67.8	7.9	75.7
Total	Lumens	8390.0	1132.9	9522.9
	% Fixture	88.1	11.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	0.2
10°-20°	58.2	0.6
20°-30°	119.0	1.3
30°-40°	258.1	2.7
40°-50°	626.5	6.6
50°-60°	1955.9	20.5
60°-70°	3107.9	32.6
70°-80°	1656.2	17.4
80°-90°	590.2	6.2
90°-100°	359.0	3.8
100°-110°	212.6	2.2
110°-120°	165.9	1.7
120°-130°	138.4	1.5
130°-140°	101.1	1.1
140°-150°	93.0	1.0
150°-160°	42.0	0.4
160°-170°	16.1	0.2
170°-180°	4.7	0.0
0°-90°	8390.0	88.1
0°-180°	9522.9	100.0



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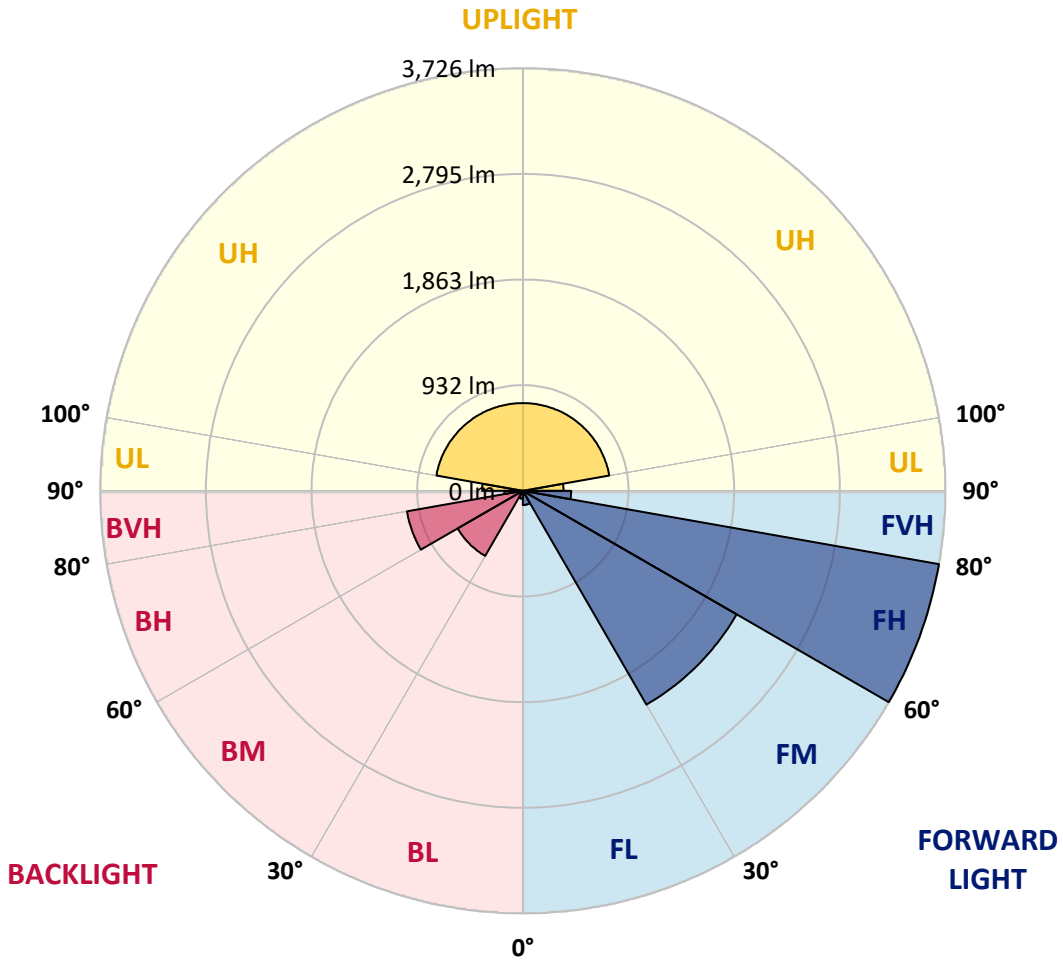
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	125.8	1.3			
FM	(30°-60°)	2177.5	22.9			
FH	(60°-80°)	3726.2	39.1			G2/5000
FVH	(80°-90°)	425.8	4.5			G3/500
BL	(0°-30°)	69.3	0.7	B0/110		
BM	(30°-60°)	663.1	7.0	B1/1000		
BH	(60°-80°)	1037.9	10.9	B3/2500		G3/2500
BVH	(80°-90°)	164.3	1.7			G2/225
UL	(90°-100°)	359.0	3.8		U3/500	
UH	(100°-180°)	773.9	8.1		U4/1000	

BUG Rating: B3-U4-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0
2.5°	184.5	185.8	206.4	222.5	242.5	236.7	236.7	280.6	309.6	352.2	348.3
5°	197.4	189.0	192.9	207.1	234.1	247.0	232.9	184.5	152.9	165.8	181.3
7.5°	216.1	214.2	209.6	196.1	185.8	213.5	252.2	224.5	169.6	142.6	136.7
10°	221.2	221.9	220.6	221.9	227.1	214.8	192.9	175.5	170.3	167.7	165.8
12.5°	267.7	267.0	269.6	266.4	254.1	239.3	243.8	230.9	205.8	188.4	183.8
15°	312.2	310.9	310.3	298.0	278.0	254.1	242.5	248.3	232.2	212.2	203.2
17.5°	330.3	330.3	317.4	299.9	287.7	270.9	261.9	255.4	243.2	230.3	219.3
20°	323.2	322.5	309.6	302.5	303.8	296.1	288.3	278.7	266.4	245.8	232.2
22.5°	319.3	319.3	314.8	312.8	323.8	321.2	319.3	307.0	290.9	260.6	243.2
25°	344.4	342.5	336.7	336.7	347.0	355.4	358.6	349.0	322.5	276.7	260.6
27.5°	369.0	368.3	360.6	362.5	369.0	385.7	390.9	386.4	350.3	290.3	276.1
30°	398.6	394.1	387.7	399.3	398.0	421.2	428.3	433.5	387.7	318.0	301.2
32.5°	430.2	427.7	422.5	437.3	442.5	463.8	469.6	495.4	438.6	367.7	350.3
35°	483.8	481.8	495.4	524.4	523.8	563.8	548.3	587.0	533.4	457.3	439.9
37.5°	725.0	714.1	698.6	670.8	668.9	724.4	707.0	737.3	661.8	554.7	535.4
40°	754.7	752.8	745.7	714.1	696.0	790.8	802.4	892.1	767.6	645.0	607.6
42.5°	737.3	739.9	834.7	854.7	817.9	934.7	954.0	1111.4	886.9	782.4	714.1
45°	888.9	892.7	923.7	937.9	935.3	1228.8	1276.5	1469.4	1095.9	975.3	848.9
47.5°	1017.9	1004.3	1060.4	1168.8	1243.0	1574.5	1728.1	2024.1	1472.6	1294.6	1060.4
50°	1398.4	1395.2	1530.7	1649.4	1722.9	2265.4	2738.2	3063.3	2158.3	1877.1	1479.7
52.5°	1656.5	1766.1	1895.8	2170.6	2237.0	3082.6	3722.5	3983.1	2982.7	2465.3	2020.3
55°	1918.3	2076.4	2221.5	2649.2	2869.8	4005.0	4733.3	4804.9	3917.3	2997.5	2549.2
57.5°	2405.3	2671.7	2765.3	3106.5	3429.0	5068.1	6033.7	5957.6	4881.0	3614.8	3140.0
60°	2845.9	3166.5	3139.4	3473.5	3888.3	5934.3	6859.3	6779.3	5762.8	4163.1	3594.1
62.5°	2993.6	3316.8	3280.0	3643.8	4174.0	6398.8	7309.6	7172.8	6340.1	4514.6	3845.7
65°	3062.6	3405.8	3387.7	3727.0	4174.0	6465.9	7583.7	7396.6	6501.3	4650.1	3967.0
67.5°	3002.0	3332.9	3344.5	3645.8	3928.3	5981.4	7209.6	6955.4	6097.5	4325.0	3750.2
70°	2624.0	2855.6	2826.6	3099.4	3127.1	4788.1	5983.4	5706.6	4953.9	3606.4	3103.3
72.5°	2168.0	2224.1	2200.2	2372.4	2404.7	3507.1	4472.0	4315.3	3699.3	2683.4	2371.2
75°	1728.7	1719.7	1768.7	1808.7	1775.1	2574.3	3541.3	3363.2	2736.9	2020.9	1824.8
77.5°	1195.9	1126.9	1255.9	1268.1	1215.3	1711.9	2612.4	2544.7	1961.6	1489.4	1344.9
80°	672.1	679.9	772.1	826.9	807.6	1089.5	1817.7	1773.2	1339.7	1041.1	925.0
82.5°	518.6	541.8	585.0	626.3	599.2	833.4	1229.4	1232.7	979.8	760.5	694.7
85°	570.2	582.5	588.3	589.6	568.3	774.7	1019.2	1005.6	832.1	636.7	616.0
87.5°	556.0	568.9	570.9	571.5	552.8	737.9	965.0	943.7	793.4	611.5	579.9
90°	476.7	498.6	501.2	518.0	496.0	659.2	849.5	828.2	715.3	551.5	521.8
92.5°	409.6	421.2	433.5	453.5	430.2	574.1	760.5	734.1	640.5	498.6	458.0
95°	374.8	381.2	391.5	399.3	372.2	487.6	636.0	608.3	519.9	401.2	365.1
97.5°	301.2	307.0	311.6	321.2	302.5	386.4	493.5	467.7	407.7	319.3	292.2
100°	257.4	261.2	266.4	272.9	257.4	323.8	405.1	393.5	339.3	269.6	252.2
102.5°	235.4	238.7	247.7	247.7	238.0	296.1	361.9	352.8	305.1	244.5	232.9
105°	227.1	227.7	235.4	232.2	225.8	276.1	337.4	325.7	285.8	232.2	218.7
107.5°	216.1	216.7	226.4	221.2	216.1	256.1	305.7	300.6	264.5	216.7	205.1
110°	205.1	207.1	219.3	214.8	211.6	240.6	286.4	276.7	252.9	209.6	200.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	196.7	198.0	209.6	206.4	203.8	230.3	*265.8*	265.8	247.0	209.6	196.7
115°	189.6	192.2	201.9	195.4	190.9	216.7	*245.1*	246.4	230.9	200.0	187.1
117.5°	177.4	183.2	188.4	190.9	185.8	207.7	*232.9*	231.6	223.2	192.9	183.8
120°	201.9	197.4	201.3	205.8	197.4	214.8	*236.1*	236.1	227.7	189.6	181.9
122.5°	210.9	204.5	208.3	203.8	203.2	225.8	*252.2*	254.1	236.7	195.4	176.1
125°	187.1	184.5	180.0	178.7	183.8	205.1	*229.0*	237.4	218.7	187.1	164.5
127.5°	160.0	156.7	150.9	154.2	163.8	185.1	*197.4*	201.9	194.2	173.5	156.7
130°	147.7	147.1	151.6	157.4	165.1	183.2	*187.1*	193.5	193.5	169.0	159.3
132.5°	134.8	135.5	149.6	169.6	175.5	179.3	*170.9*	183.2	189.0	172.2	161.3
135°	132.9	133.5	141.3	157.4	158.0	160.6	*161.3*	176.7	180.6	164.5	152.2
137.5°	145.1	145.1	139.3	142.6	149.6	169.0	*175.5*	187.7	184.5	155.5	137.4
140°	160.0	156.7	138.7	139.3	151.6	175.5	*183.8*	191.6	187.7	152.2	130.9
142.5°	132.2	133.5	136.7	149.0	163.2	217.4	*210.3*	229.6	221.9	161.3	127.7
145°	206.4	207.1	203.2	208.3	217.4	289.0	*267.0*	298.0	307.0	210.9	151.6
147.5°	225.8	228.3	221.2	216.7	242.5	264.5	*240.0*	265.8	283.2	221.2	162.5
150°	176.1	175.5	170.9	177.4	194.8	193.5	*180.6*	189.6	196.7	169.0	139.3
152.5°	125.1	123.2	120.6	121.3	141.9	136.7	*132.9*	140.6	140.6	129.7	111.6
155°	103.9	103.9	102.6	105.8	117.4	108.4	*105.1*	103.9	102.6	99.3	92.2
157.5°	87.7	89.7	87.7	91.6	99.3	91.0	*89.0*	87.1	87.7	87.7	85.8
160°	72.9	72.9	71.6	78.0	80.6	74.2	*71.0*	69.7	69.7	73.5	73.5
162.5°	61.3	61.3	61.9	64.5	66.4	61.9	*60.0*	60.0	61.9	67.7	67.7
165°	52.9	52.9	53.5	55.5	56.8	54.2	*52.9*	53.5	58.7	63.9	63.9
167.5°	48.4	48.4	48.4	49.0	49.7	48.4	*48.4*	51.0	55.5	58.7	58.7
170°	45.8	45.8	45.2	45.8	45.8	45.8	*48.4*	51.0	52.9	52.9	52.9
172.5°	46.4	46.4	45.8	46.4	46.4	45.8	*49.0*	52.2	51.0	50.3	50.3
175°	47.7	47.7	47.7	48.4	48.4	47.1	*46.4*	47.7	49.0	49.0	48.4
177.5°	47.7	47.7	47.1	47.7	47.1	45.8	*45.2*	44.5	44.5	43.9	43.9
180°	44.5	44.5	44.5	44.5	44.5	44.5	*44.5*	44.5	44.5	44.5	44.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0	309.0
2.5°	315.4	272.2	240.0	265.1	320.6	348.3	320.6	243.8	171.6	150.3
5°	189.0	183.8	165.8	161.9	169.0	162.5	180.6	170.9	135.5	136.7
7.5°	141.3	170.9	165.1	118.0	110.3	103.2	109.0	124.5	128.4	120.0
10°	163.8	147.7	129.0	120.0	130.9	141.3	134.2	116.8	100.6	96.1
12.5°	180.6	179.3	181.3	162.5	133.5	123.2	119.3	128.4	156.1	162.5
15°	194.2	179.3	165.8	161.9	142.6	132.2	127.1	124.5	119.3	115.5
17.5°	207.7	183.2	168.4	153.5	143.8	134.2	123.2	117.4	116.8	117.4
20°	216.7	194.2	176.7	160.0	147.7	134.8	123.8	118.7	118.7	118.7
22.5°	227.7	205.8	187.1	165.8	151.6	137.4	128.4	123.2	122.6	122.6
25°	245.8	221.2	199.3	176.1	160.6	147.7	135.5	129.0	127.1	126.4
27.5°	266.4	239.3	212.9	189.0	172.9	158.7	142.6	132.9	130.3	129.7
30°	292.8	261.9	228.3	203.2	183.2	169.6	150.3	138.7	133.5	132.9
32.5°	336.1	295.4	251.6	223.8	200.0	181.9	160.6	146.4	138.0	136.1
35°	419.3	369.6	303.8	263.8	225.8	197.4	169.6	150.9	142.6	141.3
37.5°	512.2	436.7	372.8	326.4	279.9	232.2	183.8	158.0	147.7	145.8
40°	552.2	480.6	412.8	339.9	329.6	292.2	225.8	175.5	154.8	151.6
42.5°	639.9	538.0	446.4	300.6	324.5	322.5	278.7	214.8	174.2	166.4
45°	753.4	612.1	496.7	321.2	327.0	315.4	285.8	248.3	211.6	203.2
47.5°	938.5	684.4	512.8	361.2	367.7	339.9	299.3	261.9	235.4	232.2
50°	1340.4	896.6	572.1	437.3	458.0	394.1	343.8	311.6	279.9	274.1
52.5°	1822.2	1062.4	633.4	545.7	619.9	528.3	452.2	392.8	390.9	383.2
55°	2329.9	1126.2	714.7	665.0	780.5	701.2	627.0	572.8	600.5	603.1
57.5°	2900.1	1194.6	832.1	821.1	975.3	848.9	786.3	801.1	997.9	1074.6
60°	3280.0	1250.7	933.4	950.1	1153.3	1030.1	983.0	1015.9	1350.1	1490.0
62.5°	3449.0	1222.3	983.0	1012.1	1230.1	1140.4	1132.7	1150.1	1433.3	1564.2
65°	*3472.2*	*1180.4*	*1010.1*	*1035.3*	*1243.6*	*1152.0*	*1119.1*	*1094.6*	*1283.0*	*1359.7*
67.5°	3187.1	1091.4	988.8	1015.3	1182.4	1072.7	990.8	935.3	1044.3	1052.1
70°	2593.7	974.7	916.6	926.3	1010.1	897.9	820.5	772.8	797.9	787.6
72.5°	2011.2	859.2	816.6	794.0	819.2	723.1	631.5	607.0	630.8	619.9
75°	1528.1	767.6	720.5	644.4	685.7	556.7	454.8	432.8	443.1	428.3
77.5°	1123.7	618.6	563.8	476.7	533.4	403.8	307.0	284.5	288.3	274.1
80°	819.8	457.3	412.2	341.9	384.4	287.0	221.9	218.0	217.4	208.3
82.5°	633.4	363.2	329.6	294.1	301.2	253.5	210.3	203.8	203.8	190.3
85°	587.6	351.5	317.4	292.2	294.1	245.8	200.0	196.1	198.0	183.8
87.5°	548.9	343.8	316.1	285.8	270.9	222.5	180.0	184.5	185.8	173.5
90°	470.9	305.7	280.6	251.6	234.1	189.0	161.3	169.6	170.9	160.0
92.5°	412.8	262.5	241.2	218.7	210.9	177.4	154.8	161.3	161.3	151.6
95°	329.0	214.8	205.1	194.2	192.2	165.8	144.5	147.7	146.4	138.0
97.5°	267.7	186.4	178.0	167.7	161.3	141.9	127.1	130.3	130.9	125.1
100°	235.4	172.2	160.6	149.0	142.6	127.7	116.1	121.9	125.8	120.6
102.5°	220.0	164.5	151.6	139.3	134.2	120.6	109.7	114.8	120.0	115.5
105°	209.0	158.7	145.1	134.2	127.7	114.2	103.2	104.5	110.9	108.4
107.5°	194.8	158.7	141.3	130.3	122.6	110.3	97.4	96.1	100.0	99.3
110°	189.6	158.7	138.7	127.7	119.3	108.4	96.8	91.6	93.5	93.5

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

Scaled Data Report

REPORT NUMBER: P981482
CATALOG NUMBER: FFX-CLB-60-740-U-FR-T3-UPLR

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	185.1	157.4	136.1	123.2	116.1	107.1	95.5	87.7	89.7	91.0
115°	174.8	145.1	128.4	114.8	107.7	98.0	90.3	84.5	85.1	86.4
117.5°	169.0	134.2	124.5	112.2	107.1	101.3	94.2	83.2	83.2	84.5
120°	169.0	132.2	127.7	123.2	120.6	110.9	99.3	83.2	81.3	81.3
122.5°	166.4	147.1	139.3	129.0	121.9	109.0	94.8	81.3	80.0	80.0
125°	152.9	140.6	128.4	116.1	107.7	97.4	89.0	81.9	79.3	79.3
127.5°	145.8	126.4	114.8	105.1	99.3	94.2	89.0	81.9	78.7	78.0
130°	147.7	127.7	112.9	105.1	100.6	95.5	89.7	80.6	75.5	74.8
132.5°	149.0	123.2	109.0	102.6	99.3	95.5	87.7	76.1	70.3	70.3
135°	134.8	110.9	104.5	100.0	98.0	94.8	83.2	72.2	67.7	67.1
137.5°	122.6	107.7	103.2	98.7	95.5	91.0	81.9	71.0	65.1	64.5
140°	117.4	105.1	98.7	90.3	86.4	77.4	71.0	64.5	62.6	61.9
142.5°	111.6	98.7	91.0	83.9	81.9	78.7	74.8	64.5	58.1	58.1
145°	133.5	118.7	109.7	102.6	93.5	87.1	74.8	61.9	53.5	52.2
147.5°	140.0	126.4	117.4	107.7	91.0	76.8	63.2	54.2	51.0	49.7
150°	122.6	110.9	101.3	91.0	76.1	66.4	57.4	51.6	50.3	50.3
152.5°	97.4	91.0	80.6	73.5	63.9	58.1	52.9	49.7	48.4	48.4
155°	80.6	75.5	69.7	63.9	58.7	54.8	51.6	49.0	47.7	47.7
157.5°	78.0	70.3	65.1	60.0	56.8	52.9	50.3	47.7	47.1	46.4
160°	71.0	61.9	57.4	54.2	53.5	52.2	50.3	48.4	47.7	47.1
162.5°	65.8	56.8	53.5	51.6	53.5	54.8	53.5	51.0	49.0	48.4
165°	61.9	53.5	51.0	51.0	54.8	56.8	53.5	51.0	51.0	50.3
167.5°	57.4	54.8	51.6	51.0	54.2	58.1	58.7	54.2	52.2	51.6
170°	53.5	54.2	54.2	52.2	52.9	56.1	57.4	56.1	53.5	52.9
172.5°	51.0	52.2	54.8	53.5	53.5	54.8	56.1	54.8	52.9	52.2
175°	48.4	49.0	47.7	48.4	50.3	52.2	51.6	51.0	50.3	50.3
177.5°	43.9	43.9	44.5	44.5	45.2	47.1	47.7	47.7	49.0	49.0
180°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5

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: SP1-2501-332-1

Test Date: 03/20/2025

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

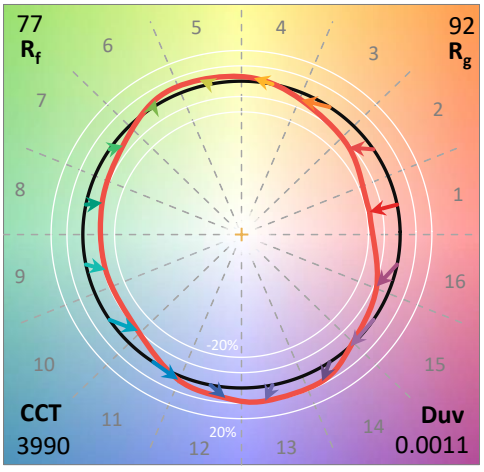
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	03/31/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**FFX-CLB-100-740-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

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

Rf:	77.5
Rg:	91.9



Test Conditions

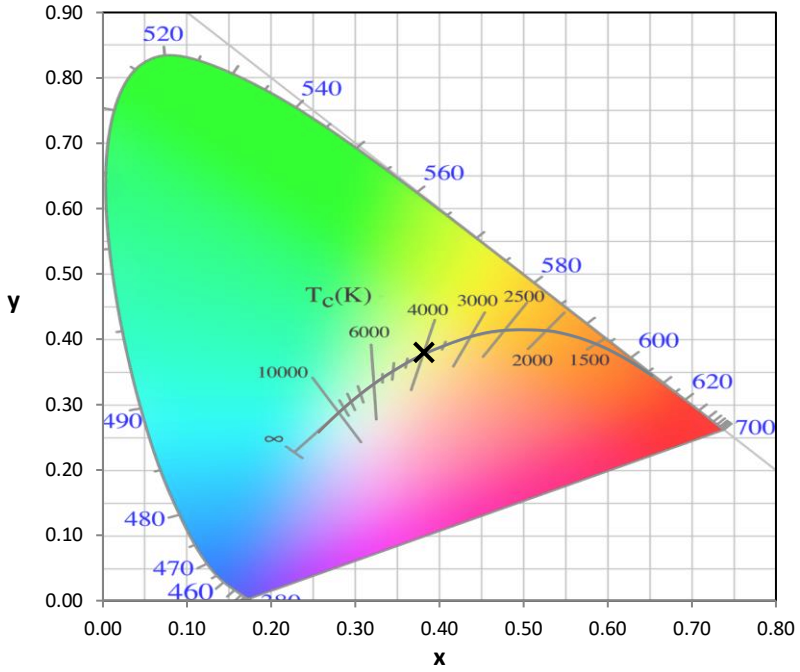
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

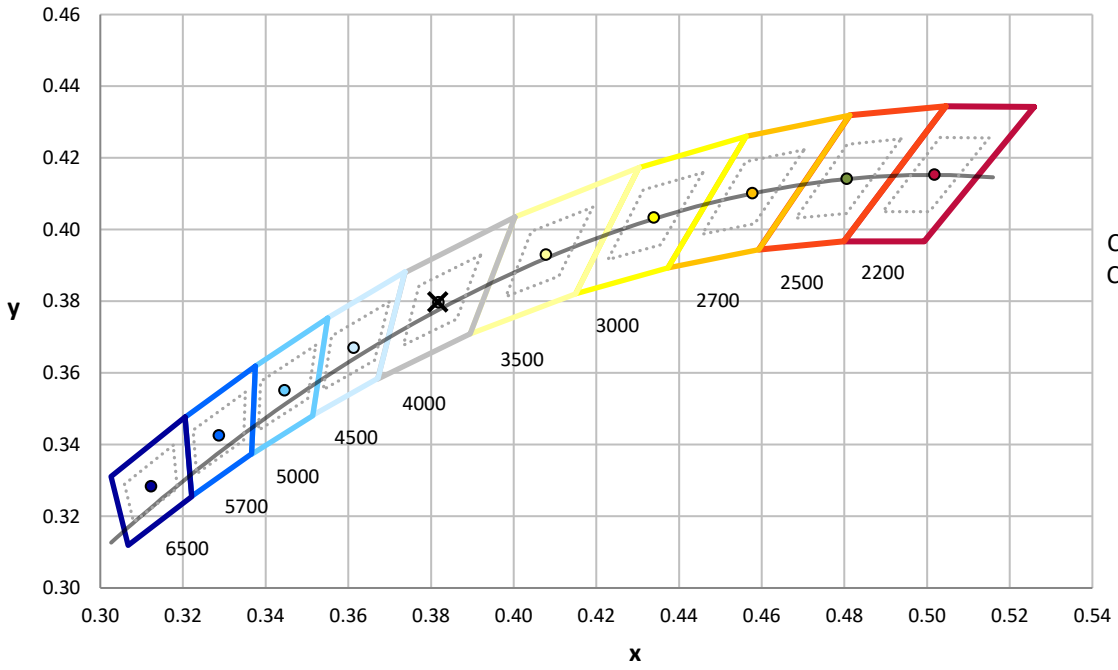
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-1

CIE 1931 Chromaticity Diagram



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

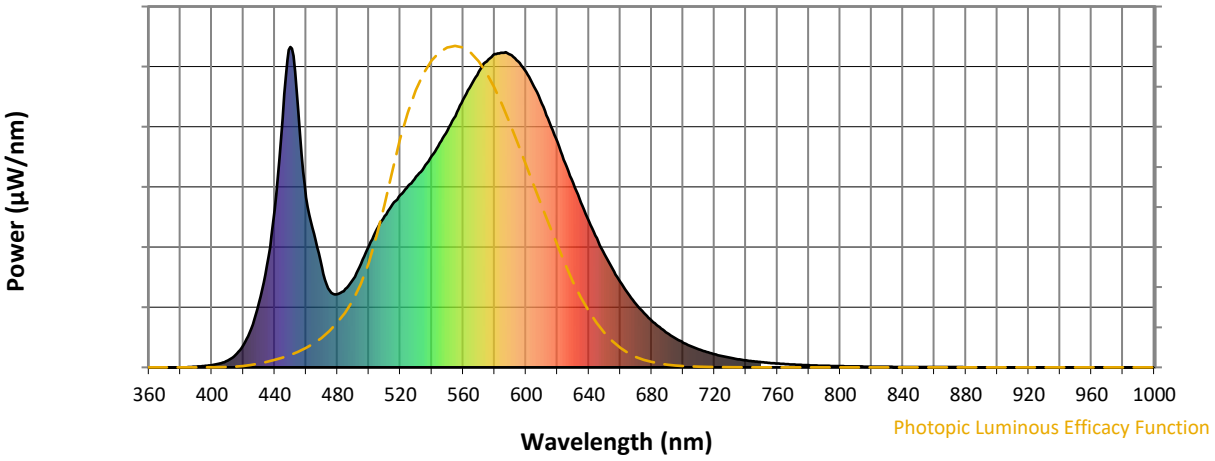


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

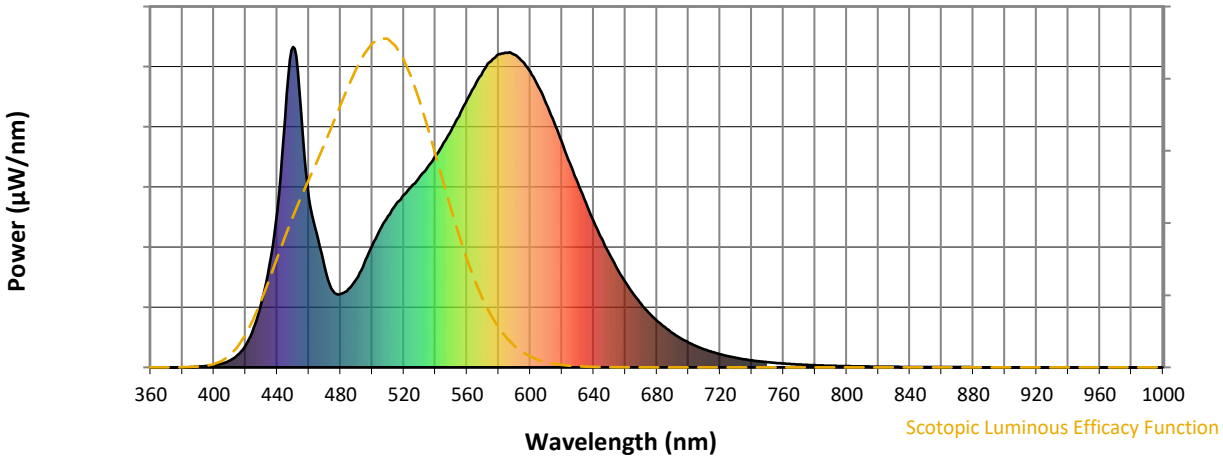


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Scotopic Flux vs. Wavelength

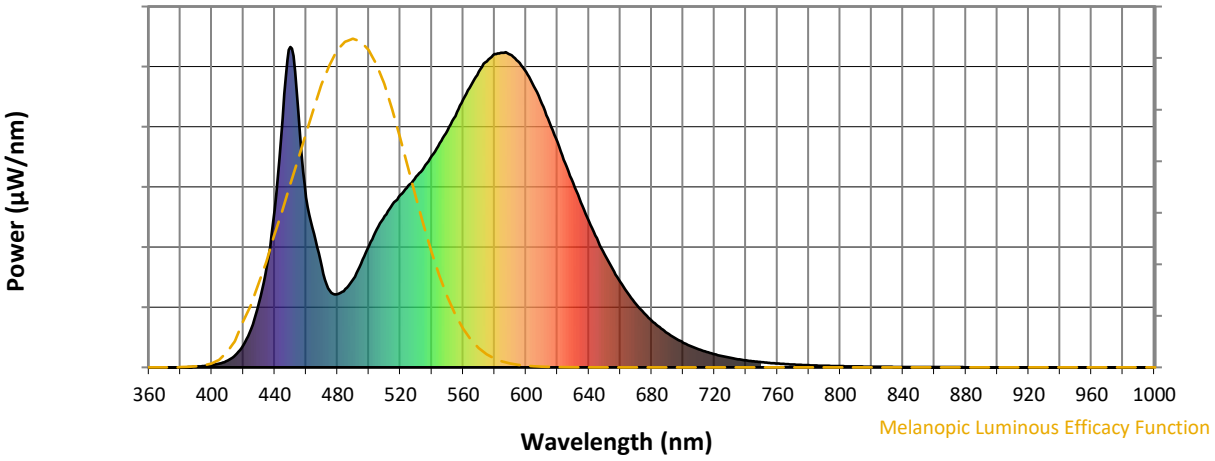


Scotopic Lumens: NR **S/P: 1.59**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

REPORT NUMBER: SP1-2501-332-1

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	275	NR	620	703	NR	750	16	NR	880	1	NR
365	0	NR	495	324	NR	625	637	NR	755	14	NR	885	0	NR
370	0	NR	500	380	NR	630	576	NR	760	12	NR	890	0	NR
375	0	NR	505	431	NR	635	514	NR	765	10	NR	895	0	NR
380	0	NR	510	472	NR	640	456	NR	770	9	NR	900	0	NR
385	1	NR	515	508	NR	645	403	NR	775	8	NR	905	0	NR
390	2	NR	520	538	NR	650	353	NR	780	7	NR	910	0	NR
395	4	NR	525	567	NR	655	307	NR	785	6	NR	915	0	NR
400	7	NR	530	595	NR	660	266	NR	790	5	NR	920	0	NR
405	12	NR	535	624	NR	665	230	NR	795	4	NR	925	0	NR
410	21	NR	540	660	NR	670	198	NR	800	4	NR	930	0	NR
415	39	NR	545	700	NR	675	170	NR	805	3	NR	935	0	NR
420	69	NR	550	739	NR	680	146	NR	810	3	NR	940	0	NR
425	121	NR	555	784	NR	685	125	NR	815	3	NR	945	0	NR
430	202	NR	560	836	NR	690	107	NR	820	2	NR	950	0	NR
435	319	NR	565	881	NR	695	91	NR	825	2	NR	955	0	NR
440	492	NR	570	923	NR	700	77	NR	830	2	NR	960	0	NR
445	777	NR	575	955	NR	705	66	NR	835	1	NR	965	0	NR
450	1000	NR	580	978	NR	710	56	NR	840	1	NR	970	0	NR
455	797	NR	585	982	NR	715	48	NR	845	1	NR	975	0	NR
460	530	NR	590	976	NR	720	41	NR	850	1	NR	980	0	NR
465	418	NR	595	955	NR	725	35	NR	855	1	NR	985	0	NR
470	311	NR	600	922	NR	730	30	NR	860	1	NR	990	0	NR
475	239	NR	605	877	NR	735	25	NR	865	1	NR	995	0	NR
480	229	NR	610	823	NR	740	22	NR	870	1	NR	1000	0	NR
485	245	NR	615	764	NR	745	19	NR	875	1	NR			

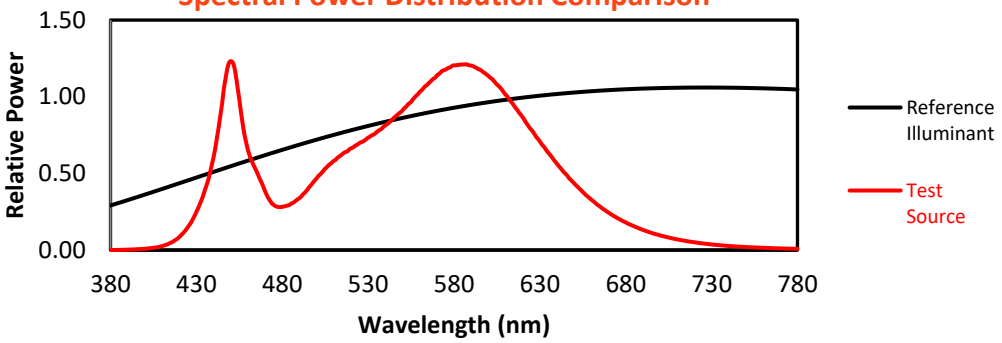
REPORT NUMBER: SP1-2501-332-1

TM-30-18

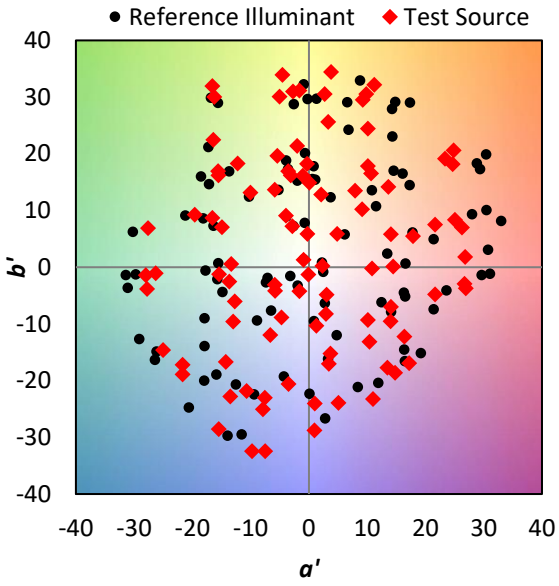
Summary

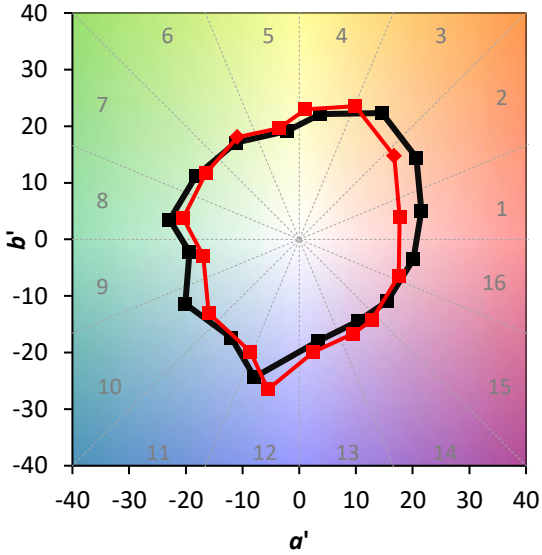
R_f = 77.5
R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

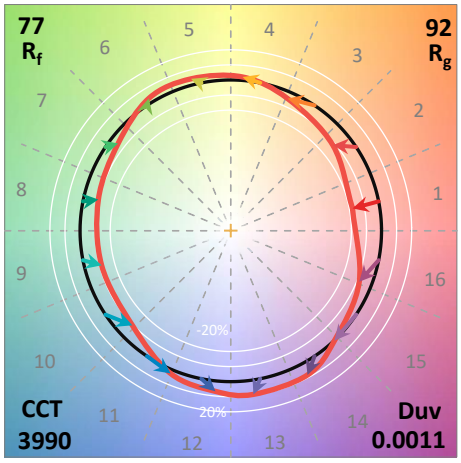
Spectral Power Distribution Comparison

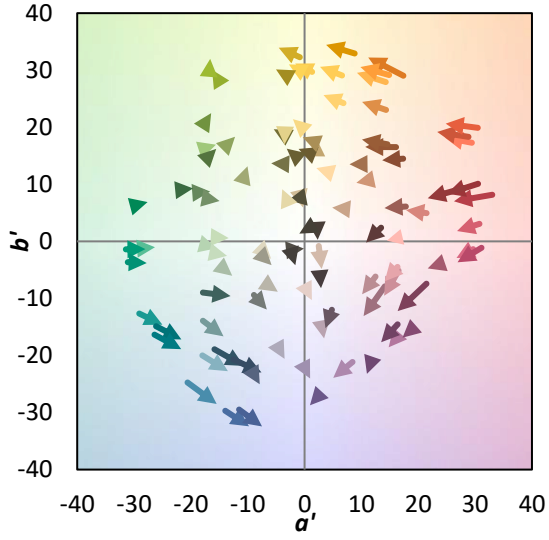


Color Vector Graphics







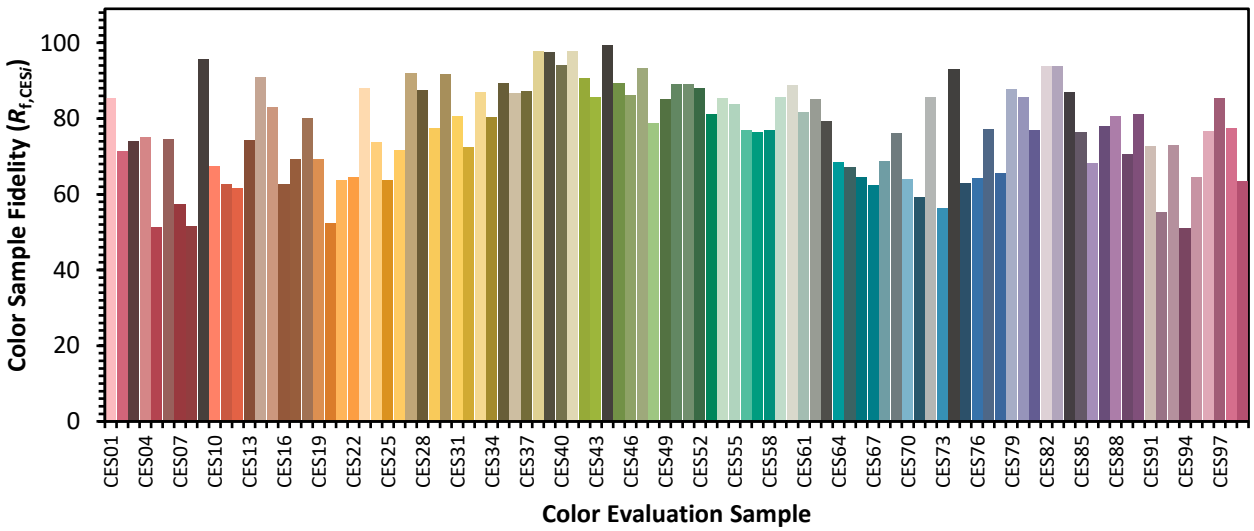


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

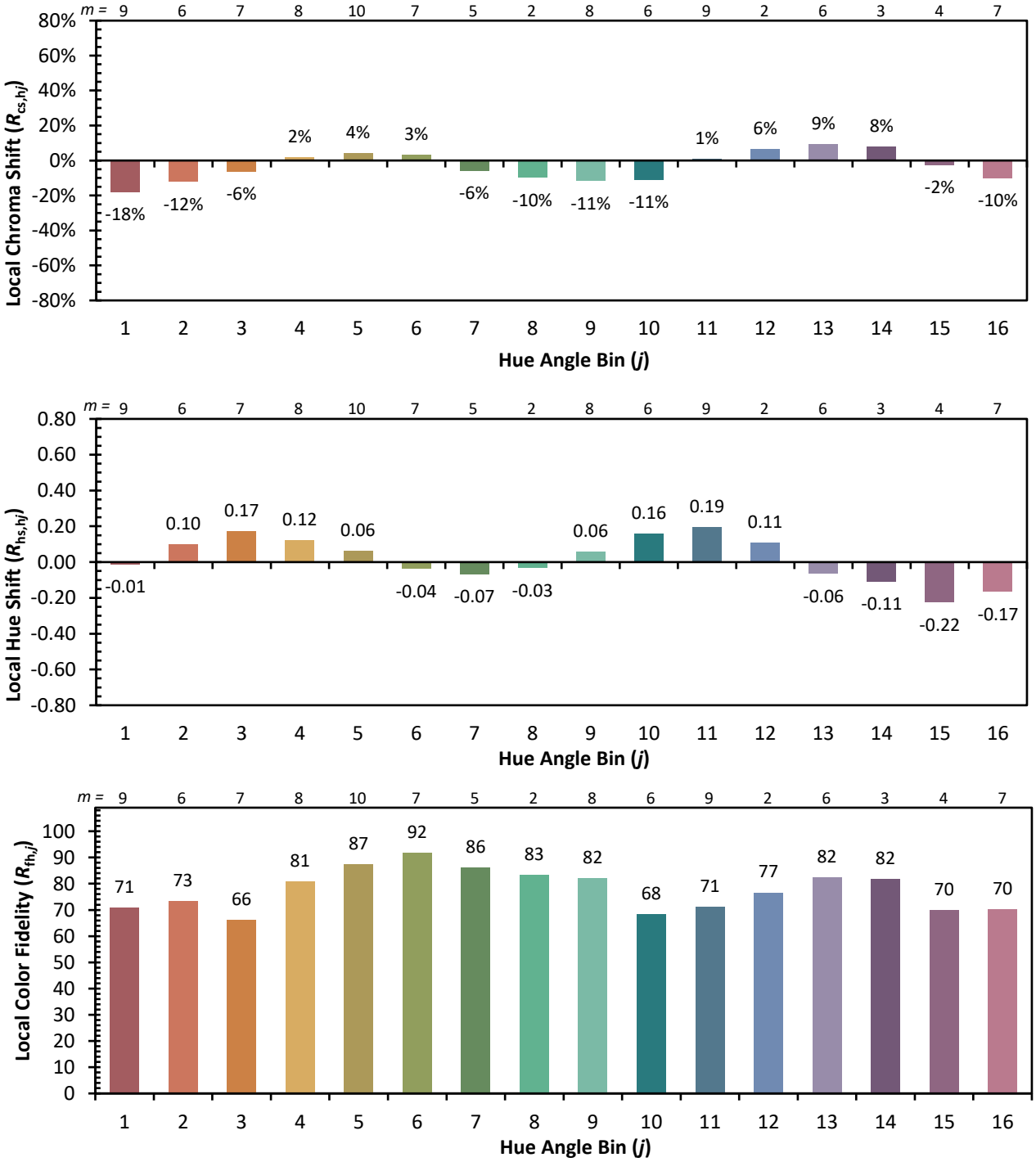
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 76	CES82 = 94
CES08 = 39	CES33 = 87	CES58 = 77	CES83 = 94
CES09 = 29	CES34 = 80	CES59 = 86	CES84 = 87
CES10 = 74	CES35 = 89	CES60 = 89	CES85 = 76
CES11 = 57	CES36 = 87	CES61 = 82	CES86 = 68
CES12 = 63	CES37 = 87	CES62 = 85	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 81
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 67	CES90 = 81
CES16 = 46	CES41 = 98	CES66 = 65	CES91 = 73
CES17 = 49	CES42 = 91	CES67 = 62	CES92 = 55
CES18 = 56	CES43 = 86	CES68 = 69	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 65	CES45 = 89	CES70 = 64	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 77
CES22 = 78	CES47 = 93	CES72 = 86	CES97 = 85
CES23 = 92	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 93	CES99 = 63
CES25 = 72	CES50 = 89	CES75 = 63	



REPORT NUMBER: SP1-2501-332-1

TM-30-18

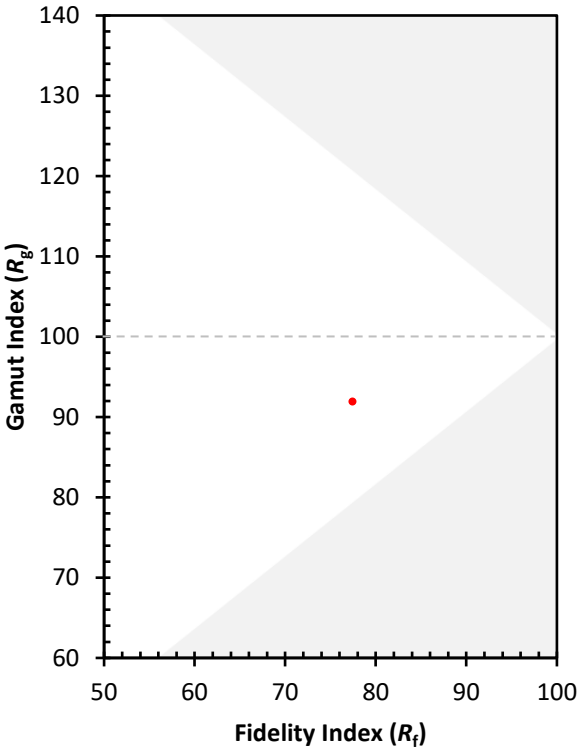
Color Rendition by Hue-Angle Bin

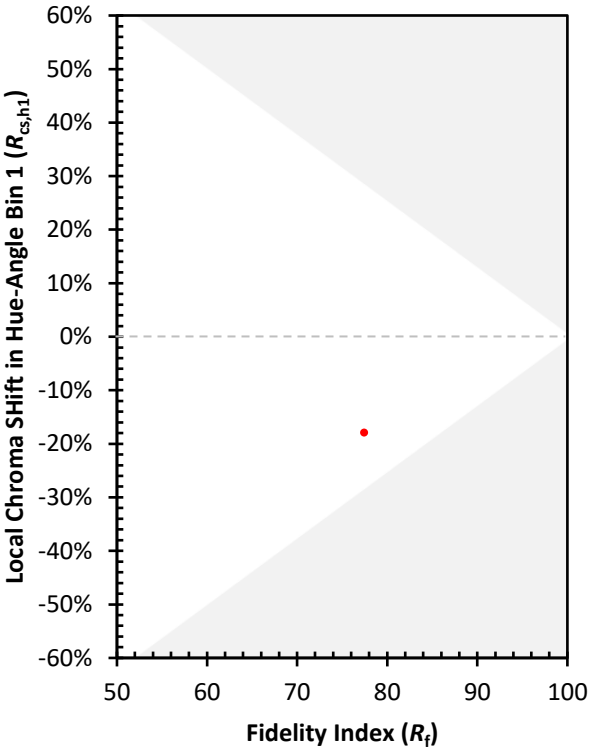


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Measure Comparisons





(END OF REPORT)