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: P1046616

Luminaire Tested: **FFX-CLB-80-740-U-FR-T3-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1046616
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-80-740-U-FR-T3-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ FAIRFAX REFRACTOR T3 DISTRIBUTION LENS AND HOUSESIDE SHIELD
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11737.1 lumens
Efficiency:	N/A
Efficacy:	143.5 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type III - Short
BUG Rating:	B2 - U5 - G4

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

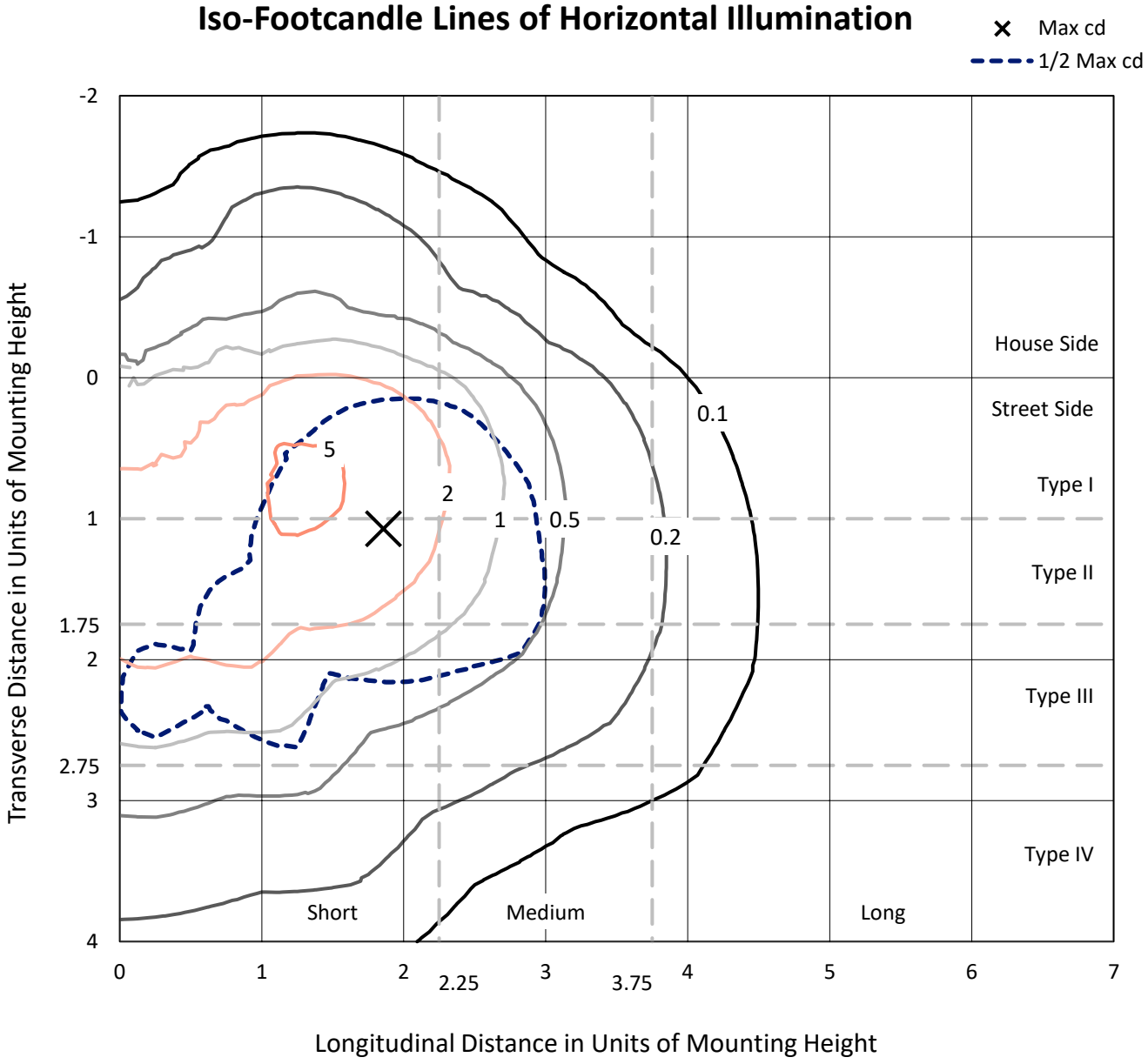


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Iso-Footcandle Lines of Horizontal Illumination



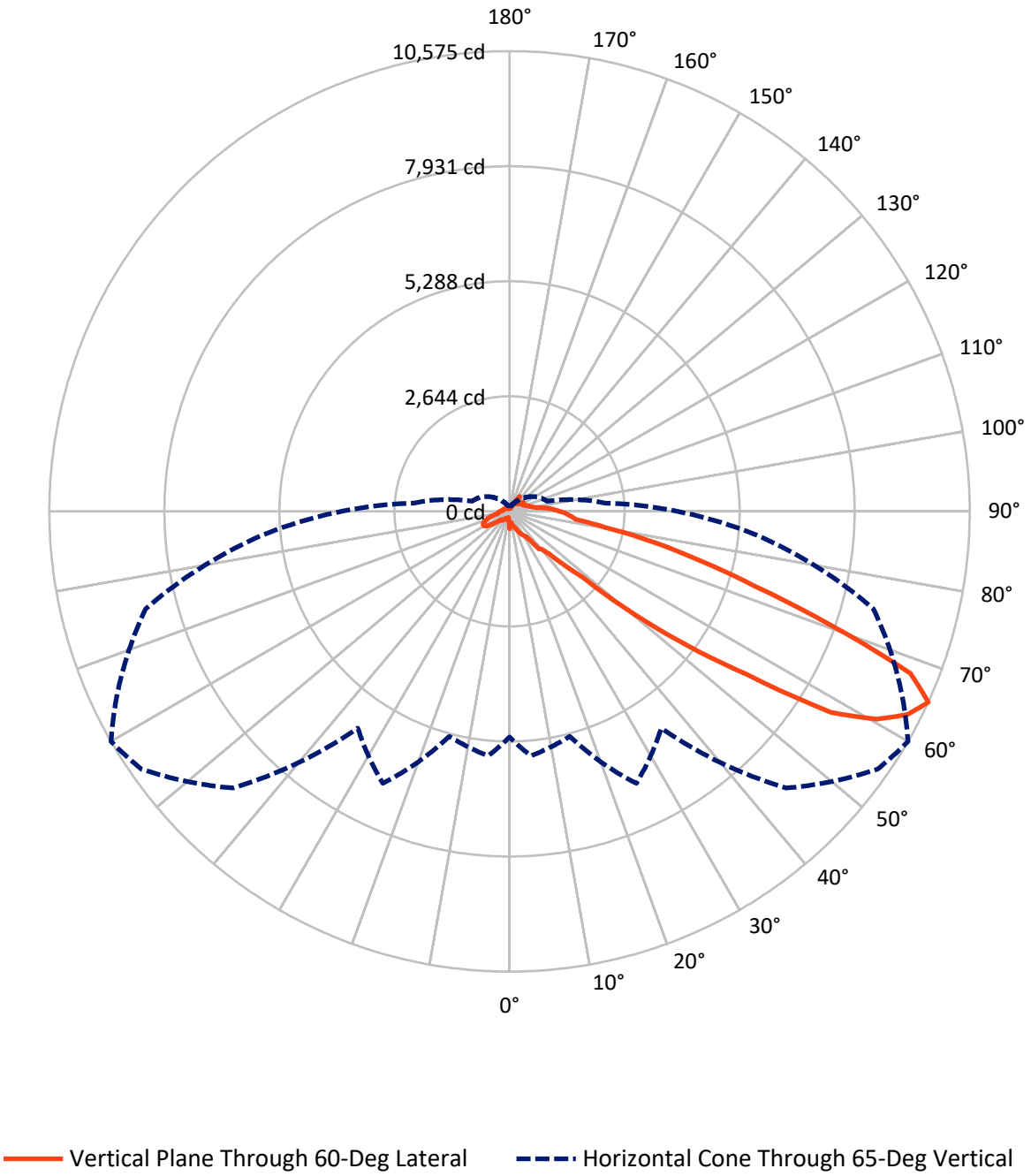
Based on 15 foot mounting height. Maximum calculated value = 5.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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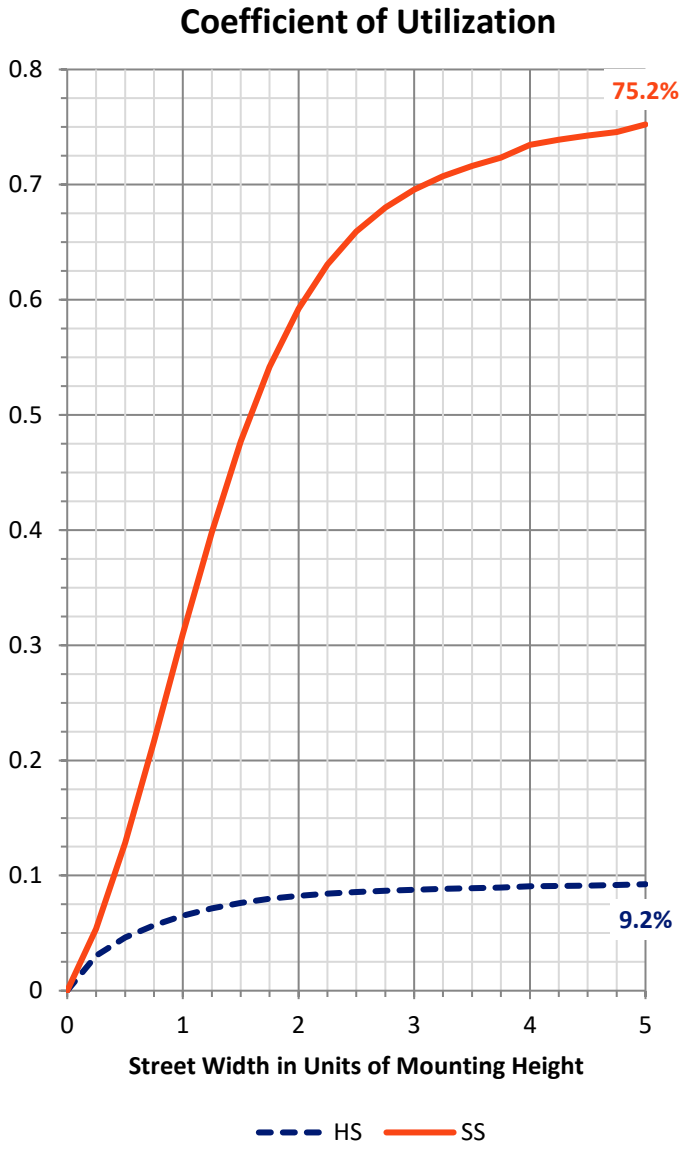
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.0	367.3	1505.3
	% Fixture	9.7	3.1	12.8
Street Side	Lumens	9146.2	1085.7	10231.8
	% Fixture	77.9	9.2	87.2
Total	Lumens	10284.2	1453.0	11737.1
	% Fixture	87.6	12.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.2
10°-20°	75.1	0.6
20°-30°	160.6	1.4
30°-40°	329.6	2.8
40°-50°	772.4	6.6
50°-60°	2416.0	20.6
60°-70°	3783.0	32.2
70°-80°	2001.2	17.1
80°-90°	724.6	6.2
90°-100°	437.0	3.7
100°-110°	273.7	2.3
110°-120°	221.2	1.9
120°-130°	184.6	1.6
130°-140°	134.4	1.1
140°-150°	123.5	1.1
150°-160°	51.4	0.4
160°-170°	20.5	0.2
170°-180°	6.6	0.1
0°-90°	10284.2	87.6
0°-180°	11737.1	100.0



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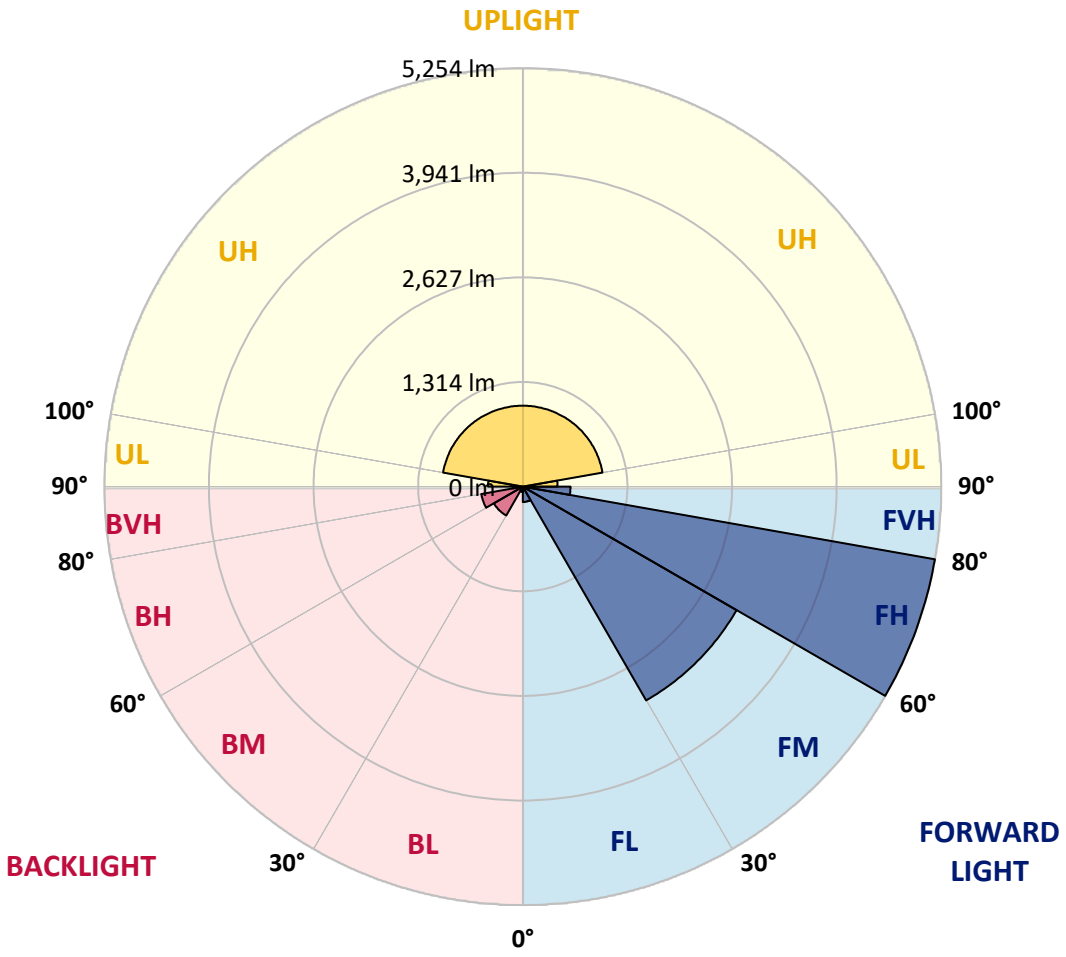
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	193.5	1.6			
FM	(30°-60°)	3099.5	26.4			
FH	(60°-80°)	5254.5	44.8			G3/7500
FVH	(80°-90°)	598.8	5.1			G4/750
BL	(0°-30°)	63.9	0.5	B0/110		
BM	(30°-60°)	418.5	3.6	B1/1000		
BH	(60°-80°)	529.7	4.5	B2/1000		G2/1000
BVH	(80°-90°)	125.9	1.1			G2/225
UL	(90°-100°)	437.0	3.7		U3/500	
UH	(100°-180°)	1016.0	8.7		U5	

BUG Rating: B2-U5-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7
2.5°	219.8	228.3	278.1	329.6	344.2	312.5	270.4	275.6	298.7	409.5	458.4
5°	257.5	260.1	255.8	261.8	297.9	343.4	316.8	285.9	244.7	176.8	175.1
7.5°	296.2	296.2	294.4	273.0	248.1	240.4	263.5	267.8	263.5	219.8	189.7
10°	322.8	322.8	321.9	323.6	325.3	316.8	279.0	264.4	248.9	230.1	221.5
12.5°	391.4	393.2	404.3	398.3	376.0	352.8	357.1	352.8	329.6	289.3	255.8
15°	479.0	482.4	484.2	461.8	425.8	382.9	355.4	348.5	344.2	321.1	287.6
17.5°	524.5	522.8	502.2	479.0	455.8	424.9	399.2	388.9	373.4	344.2	308.2
20°	519.4	519.4	498.7	493.6	495.3	476.4	443.8	430.9	413.8	386.3	336.5
22.5°	533.9	534.8	521.9	526.2	545.1	526.2	494.5	485.9	469.6	430.1	379.4
25°	589.7	589.7	575.1	569.1	585.4	578.6	560.6	550.3	527.1	479.0	389.7
27.5°	640.4	637.0	623.2	624.9	609.5	606.1	601.8	597.5	576.9	500.5	394.9
30°	679.9	679.9	667.9	675.6	643.0	648.1	632.7	644.7	618.1	529.7	414.6
32.5°	715.9	721.1	716.8	727.1	688.5	710.8	684.2	697.0	680.7	582.0	470.4
35°	799.2	805.2	825.0	850.7	803.5	826.7	784.6	802.6	786.3	700.5	577.7
37.5°	1129.7	1120.3	1077.3	1035.3	989.8	1085.1	1074.8	1091.9	1066.2	928.0	729.7
40°	1136.6	1131.4	1122.8	1096.2	1010.4	1104.8	1109.1	1140.0	1217.3	995.8	788.9
42.5°	1165.7	1171.8	1273.9	1286.8	1222.4	1369.2	1328.9	1330.6	1595.0	1179.5	1018.1
45°	1348.6	1348.6	1381.2	1397.5	1378.6	1800.1	1794.1	1742.6	2075.7	1471.4	1197.5
47.5°	1546.0	1552.0	1612.1	1773.5	1879.1	2278.3	2396.7	2273.1	2710.1	1930.6	1649.9
50°	2123.8	2135.8	2322.9	2464.6	2662.9	3335.0	3917.9	3729.9	4415.8	2945.3	2486.0
52.5°	2541.8	2691.2	2794.2	3327.3	3404.5	4437.2	5189.2	5124.8	5585.0	4076.7	3017.4
55°	3025.1	3257.7	3326.4	4153.1	4291.3	5725.7	6506.0	6620.2	6648.5	5269.9	3547.0
57.5°	3820.9	4181.4	4194.3	5068.2	5092.2	7217.7	8459.8	8711.4	8424.6	6658.8	4382.3
60°	4476.7	4899.1	4757.4	5947.2	5708.6	8424.6	9410.1	9695.1	9162.9	7846.1	4966.0
62.5°	4882.8	5290.5	5104.2	6565.3	6079.4	8942.3	9977.5	10270.3	9684.8	8477.0	5415.0
65°	5185.8	5638.2	5351.5	6894.9	6078.5	8988.6	10327.8	10575.0	9948.4	8658.1	5547.2
67.5°	5191.8	5597.8	5239.9	6777.3	5674.2	8254.7	9781.0	9937.2	9241.9	8015.2	5154.0
70°	4538.5	4830.4	4432.9	5719.7	4577.2	6264.8	7638.3	7823.7	7124.1	6161.8	3993.4
72.5°	3797.7	3911.9	3517.9	4574.6	3584.8	4741.1	5839.0	5908.6	5538.6	4615.8	3086.9
75°	2982.2	2938.4	2734.1	3410.5	2725.5	3359.0	4585.7	4518.8	4315.3	3396.8	2355.5
77.5°	1989.8	1908.3	1918.6	2340.1	1904.0	2222.5	3339.3	3341.9	3270.6	2518.6	1679.9
80°	1213.8	1216.4	1182.9	1484.2	1256.7	1477.4	2301.5	2225.9	2227.6	1661.1	1176.1
82.5°	949.4	964.9	922.8	1069.6	989.8	1175.2	1504.0	1546.0	1500.5	1219.8	866.2
85°	932.3	946.0	902.2	993.2	940.8	1122.8	1414.7	1411.3	1387.2	1131.4	818.9
87.5°	854.1	870.4	837.8	901.4	861.0	1039.6	1302.2	1285.1	1261.9	1064.5	781.2
90°	721.1	751.1	728.8	807.8	752.0	894.5	1132.3	1125.4	1113.4	940.8	695.3
92.5°	655.8	661.9	645.5	716.8	655.0	783.7	1005.2	983.8	957.2	816.4	592.3
95°	587.2	584.6	569.1	626.7	571.7	655.8	854.1	821.5	807.8	689.3	494.5
97.5°	470.4	471.3	463.6	503.0	463.6	523.6	641.2	629.2	601.8	515.1	378.6
100°	412.0	414.6	409.5	440.4	406.9	445.5	533.9	531.4	509.0	439.5	330.5
102.5°	389.7	390.6	397.5	416.3	384.6	412.9	486.7	487.6	473.0	409.5	310.8
105°	374.3	373.4	378.6	394.0	366.6	387.2	455.0	455.0	434.4	386.3	294.4
107.5°	362.3	360.5	369.1	382.0	363.1	369.1	421.5	424.9	405.2	359.7	279.8
110°	348.5	347.7	362.3	371.7	353.7	354.5	400.0	397.5	379.4	350.2	275.6

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REPORT NUMBER: P1046616
CATALOG NUMBER: FFX-CLB-80-740-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	353.7	358.8	375.1	348.5	321.9	323.6	358.8	*363.1*	350.2	320.2	261.8
115°	349.4	354.5	376.0	338.2	298.7	309.0	338.2	*341.7*	322.8	297.9	246.4
117.5°	333.9	335.6	348.5	339.1	297.9	309.9	324.5	*330.5*	316.8	297.9	248.9
120°	394.9	382.0	382.0	367.4	321.1	342.5	370.0	*375.1*	362.3	327.1	248.1
122.5°	363.1	358.8	359.7	340.8	317.6	335.6	368.3	*376.9*	365.7	330.5	248.1
125°	285.9	286.7	282.4	288.4	279.0	285.0	302.2	*315.9*	305.6	286.7	236.1
127.5°	260.1	259.2	254.1	279.8	250.7	262.7	279.0	*286.7*	276.4	255.0	213.7
130°	253.2	253.2	267.8	294.4	277.3	272.1	266.1	*273.8*	272.1	258.4	213.7
132.5°	236.9	237.8	259.2	293.6	286.7	262.7	241.2	*245.5*	253.2	256.7	225.8
135°	236.9	234.4	227.5	235.2	230.9	236.9	230.9	*236.9*	238.6	236.9	197.4
137.5°	252.4	250.7	233.5	223.2	224.1	242.9	243.8	*246.4*	243.8	230.1	191.4
140°	247.2	241.2	229.2	224.9	225.8	245.5	253.2	*255.0*	252.4	225.8	180.3
142.5°	238.6	238.6	242.1	247.2	255.0	346.8	322.8	*345.1*	345.9	318.5	185.4
145°	342.5	345.9	335.6	324.5	352.0	417.2	392.3	*416.3*	432.6	402.6	255.8
147.5°	309.0	314.2	308.2	298.7	334.8	335.6	320.2	*322.8*	327.1	333.9	258.4
150°	218.9	212.9	222.3	215.5	251.5	249.8	228.3	*233.5*	242.9	243.8	206.0
152.5°	162.2	159.7	158.0	157.1	181.1	166.5	158.8	*156.2*	158.0	157.1	147.7
155°	143.4	143.4	142.5	146.8	159.7	149.4	141.6	*142.5*	138.2	135.6	130.5
157.5°	111.6	109.0	111.6	119.3	124.5	115.0	112.5	*110.7*	109.9	105.6	107.3
160°	91.9	91.9	93.6	99.6	103.0	96.1	91.0	*89.3*	89.3	87.6	93.6
162.5°	78.1	78.1	79.8	81.6	83.3	79.8	78.1	*78.1*	77.3	77.3	83.3
165°	65.2	65.2	66.1	69.5	70.4	68.7	67.8	*68.7*	68.7	72.1	77.3
167.5°	60.1	60.1	60.9	62.7	63.5	62.7	65.2	*67.8*	70.4	73.8	75.5
170°	57.5	57.5	58.4	59.2	60.9	62.7	67.8	*69.5*	70.4	69.5	69.5
172.5°	59.2	59.2	59.2	60.9	62.7	67.0	71.2	*71.2*	69.5	67.8	67.8
175°	60.1	59.2	60.1	61.8	64.4	67.0	68.7	*70.4*	70.4	69.5	69.5
177.5°	59.2	59.2	60.1	60.9	60.9	60.9	61.8	*62.7*	62.7	63.5	64.4
180°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	*58.4*	58.4	58.4	58.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7
2.5°	449.0	424.1	314.2	208.6	255.8	373.4	435.2	407.8	303.9	175.1	148.5
5°	183.7	206.0	240.4	230.1	206.9	170.0	127.9	127.0	176.0	213.7	217.2
7.5°	176.8	162.2	153.7	170.0	158.8	109.9	92.7	77.3	82.4	121.0	115.9
10°	218.0	212.9	198.3	162.2	119.3	98.7	92.7	94.4	101.3	91.0	90.1
12.5°	242.9	230.1	198.3	188.0	159.7	113.3	93.6	86.7	92.7	115.9	125.3
15°	266.1	247.2	207.7	174.3	143.4	117.6	100.4	87.6	78.1	67.8	67.0
17.5°	286.7	262.7	218.9	181.1	142.5	117.6	97.0	76.4	66.1	62.7	62.7
20°	311.6	289.3	233.5	188.9	143.4	115.0	93.6	75.5	66.1	62.7	62.7
22.5°	345.1	308.2	248.9	192.3	145.1	114.2	91.9	77.3	68.7	63.5	63.5
25°	354.5	326.2	259.2	203.4	151.9	118.5	96.1	79.8	70.4	66.1	65.2
27.5°	361.4	339.9	279.0	212.9	159.7	127.0	103.0	83.3	72.1	67.8	67.0
30°	388.0	369.1	300.5	226.6	170.0	135.6	109.0	88.4	75.5	68.7	67.0
32.5°	444.7	418.1	332.2	240.4	182.8	145.1	116.7	93.6	79.0	70.4	68.7
35°	552.8	531.4	416.3	268.7	196.6	157.1	126.2	100.4	83.3	73.0	72.1
37.5°	678.2	644.7	505.6	312.5	206.0	167.4	135.6	107.3	87.6	77.3	75.5
40°	699.6	604.3	448.1	285.0	207.7	172.5	144.2	115.0	92.7	80.7	78.1
42.5°	877.3	741.7	519.4	294.4	212.0	172.5	145.9	120.2	97.9	83.3	81.6
45°	928.0	739.1	516.8	328.8	232.6	177.7	146.8	122.8	102.2	87.6	85.0
47.5°	1182.9	906.5	524.5	349.4	254.1	195.7	152.8	124.5	103.0	90.1	89.3
50°	1691.1	1212.1	630.9	421.5	304.7	228.3	171.7	130.5	104.7	92.7	91.9
52.5°	2088.6	1439.6	677.3	504.8	388.0	290.1	205.2	145.9	108.2	93.6	91.9
55°	2482.6	1716.9	763.1	595.8	461.8	349.4	255.0	170.8	116.7	95.3	93.6
57.5°	3083.5	2061.1	869.6	685.0	547.7	405.2	285.0	193.1	127.0	97.0	94.4
60°	3448.3	2183.0	880.8	730.5	596.6	444.7	295.3	201.7	139.9	103.9	99.6
62.5°	3776.2	2292.9	888.5	751.1	605.2	449.0	296.2	194.9	142.5	114.2	109.0
65°	*3861.2*	*2203.6*	*896.2*	*758.0*	*589.7*	*424.1*	*285.0*	*188.0*	*135.6*	*123.6*	*122.8*
67.5°	3668.9	1976.1	843.0	732.2	548.5	381.1	256.7	178.6	132.2	120.2	122.8
70°	2858.6	1569.2	772.6	674.7	473.9	321.9	228.3	166.5	130.5	114.2	111.6
72.5°	2252.5	1334.9	780.3	643.0	400.0	285.0	201.7	151.9	123.6	111.6	109.9
75°	1754.6	1118.5	751.1	553.7	324.5	242.9	176.8	135.6	115.0	107.3	106.4
77.5°	1286.8	887.6	619.8	426.6	267.8	202.6	154.5	124.5	109.0	102.2	101.3
80°	843.8	627.5	431.8	340.8	230.9	182.8	140.8	116.7	104.7	98.7	97.9
82.5°	717.6	557.1	383.7	313.3	213.7	176.0	138.2	114.2	103.9	97.0	96.1
85°	691.9	570.9	392.3	324.5	203.4	168.3	133.9	112.5	101.3	95.3	94.4
87.5°	649.8	516.8	379.4	291.0	188.0	153.7	125.3	108.2	97.0	91.9	90.1
90°	578.6	442.1	326.2	249.8	178.6	144.2	118.5	103.0	94.4	89.3	87.6
92.5°	467.0	335.6	256.7	220.6	174.3	143.4	117.6	103.0	94.4	89.3	87.6
95°	392.3	287.6	230.1	201.7	162.2	135.6	112.5	99.6	91.9	86.7	86.7
97.5°	310.8	240.4	205.2	181.1	145.9	123.6	106.4	95.3	88.4	83.3	83.3
100°	275.6	223.2	194.9	170.0	138.2	116.7	103.9	92.7	86.7	80.7	80.7
102.5°	261.8	216.3	192.3	161.4	132.2	112.5	99.6	89.3	84.1	78.1	78.1
105°	253.2	213.7	190.6	157.1	126.2	107.3	95.3	85.0	80.7	76.4	75.5
107.5°	244.7	210.3	193.1	154.5	121.0	103.9	95.3	84.1	79.0	75.5	75.5
110°	240.4	212.0	192.3	151.9	119.3	103.0	94.4	85.0	80.7	77.3	76.4

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

Scaled Data Report

REPORT NUMBER: P1046616
CATALOG NUMBER: FFX-CLB-80-740-U-FR-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	229.2	202.6	183.7	144.2	116.7	100.4	91.0	84.1	78.1	74.7	73.8
115°	218.0	186.3	168.3	137.3	110.7	97.0	88.4	81.6	75.5	73.0	73.0
117.5°	222.3	182.0	154.5	134.8	109.0	94.4	86.7	79.8	74.7	73.0	72.1
120°	219.8	191.4	173.4	144.2	108.2	91.9	85.0	78.1	73.8	73.0	73.0
122.5°	210.3	206.9	190.6	146.8	104.7	92.7	86.7	80.7	76.4	73.8	73.8
125°	202.6	200.9	177.7	132.2	107.3	96.1	91.0	85.0	82.4	79.8	79.0
127.5°	187.1	168.3	147.7	127.0	109.0	97.9	92.7	89.3	86.7	82.4	81.6
130°	188.0	172.5	151.9	127.9	104.7	96.1	93.6	90.1	85.8	79.0	78.1
132.5°	204.3	188.0	151.1	118.5	100.4	96.1	94.4	90.1	80.7	73.0	72.1
135°	170.0	158.8	133.9	113.3	102.2	99.6	98.7	89.3	75.5	70.4	69.5
137.5°	165.7	149.4	128.8	114.2	106.4	101.3	97.9	85.8	70.4	65.2	63.5
140°	156.2	140.8	126.2	115.9	103.0	85.8	78.1	72.1	65.2	60.9	60.1
142.5°	156.2	141.6	119.3	102.2	89.3	79.8	75.5	70.4	62.7	56.7	54.9
145°	184.6	167.4	144.2	129.6	115.9	101.3	86.7	71.2	58.4	50.6	49.8
147.5°	209.5	188.9	170.8	146.8	124.5	100.4	79.8	62.7	53.2	49.8	49.8
150°	171.7	152.8	143.4	122.8	103.0	82.4	67.8	58.4	53.2	51.5	51.5
152.5°	128.8	108.2	101.3	90.1	78.1	67.8	60.9	55.8	54.1	53.2	53.2
155°	120.2	103.0	94.4	84.1	72.1	63.5	59.2	56.7	54.9	54.1	54.1
157.5°	104.7	95.3	84.1	76.4	67.8	61.8	59.2	57.5	55.8	54.9	54.9
160°	93.6	86.7	76.4	70.4	64.4	61.8	61.8	60.9	58.4	57.5	57.5
162.5°	84.1	81.6	72.1	67.0	64.4	65.2	69.5	68.7	64.4	60.9	60.1
165°	78.1	75.5	68.7	66.1	64.4	67.8	76.4	74.7	67.8	63.5	63.5
167.5°	74.7	73.0	67.8	65.2	66.1	73.0	80.7	81.6	75.5	69.5	68.7
170°	68.7	68.7	67.8	68.7	68.7	72.1	76.4	79.0	79.0	80.7	79.8
172.5°	67.8	68.7	71.2	71.2	70.4	71.2	74.7	79.0	81.6	84.1	85.0
175°	69.5	70.4	72.1	73.0	73.0	74.7	79.8	83.3	85.0	84.1	84.1
177.5°	64.4	65.2	66.1	69.5	71.2	73.0	78.1	79.8	81.6	83.3	83.3
180°	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

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

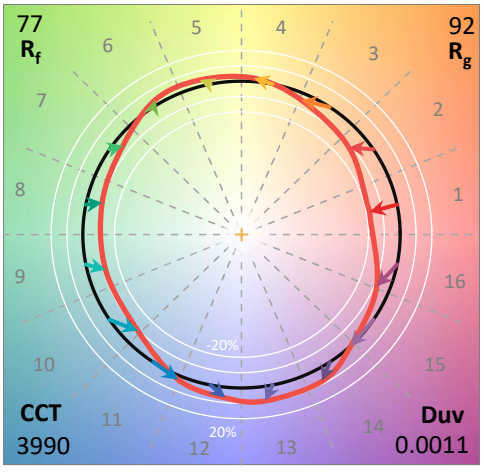
Test Information

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

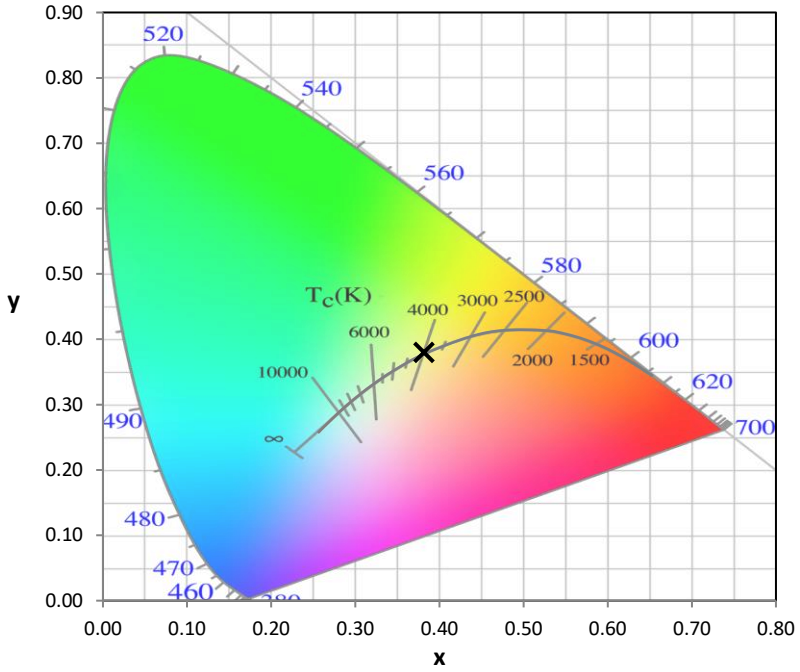
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

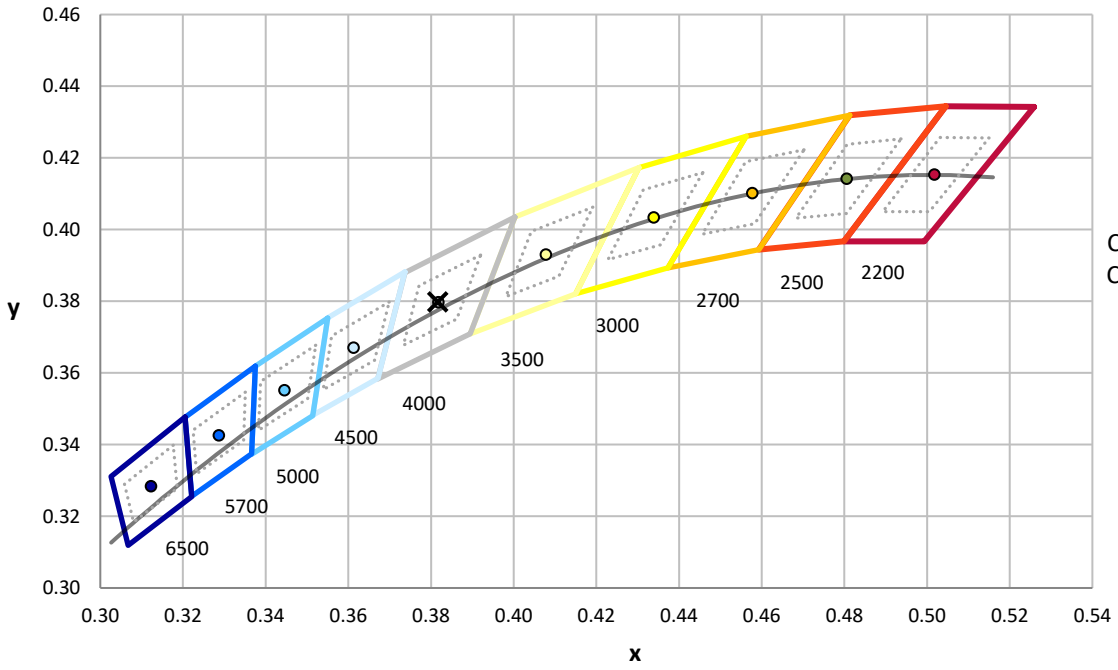
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

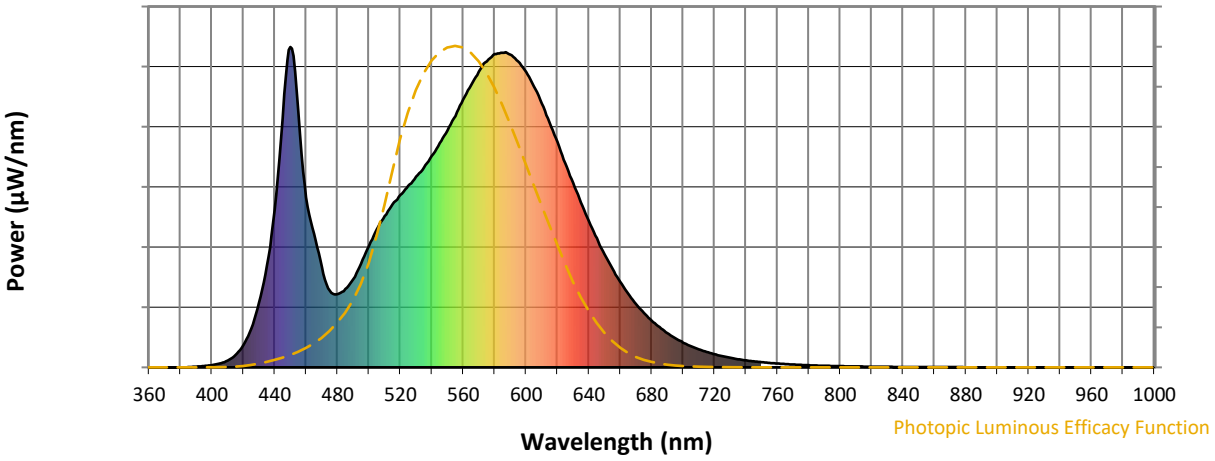


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

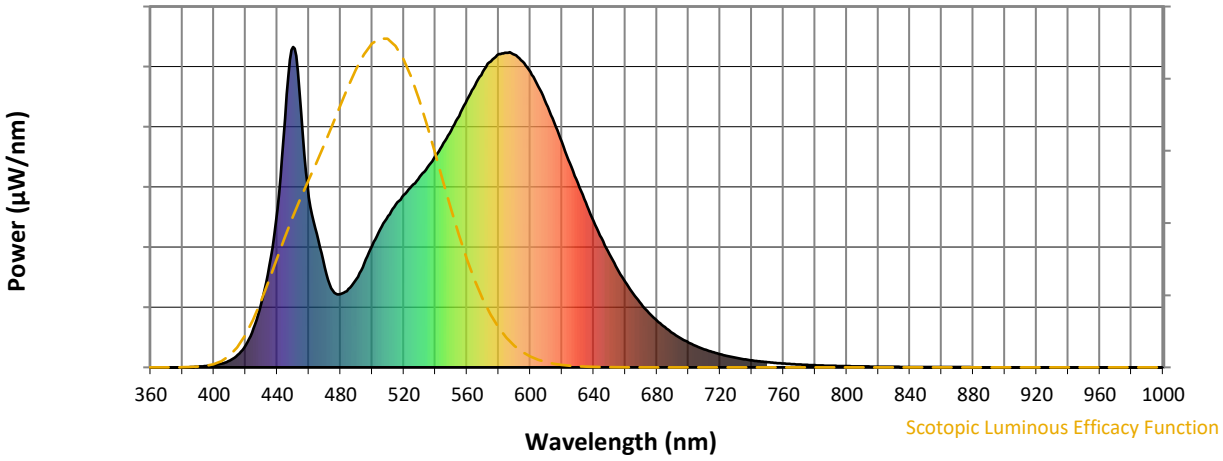


Photopic Lumens: NR

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

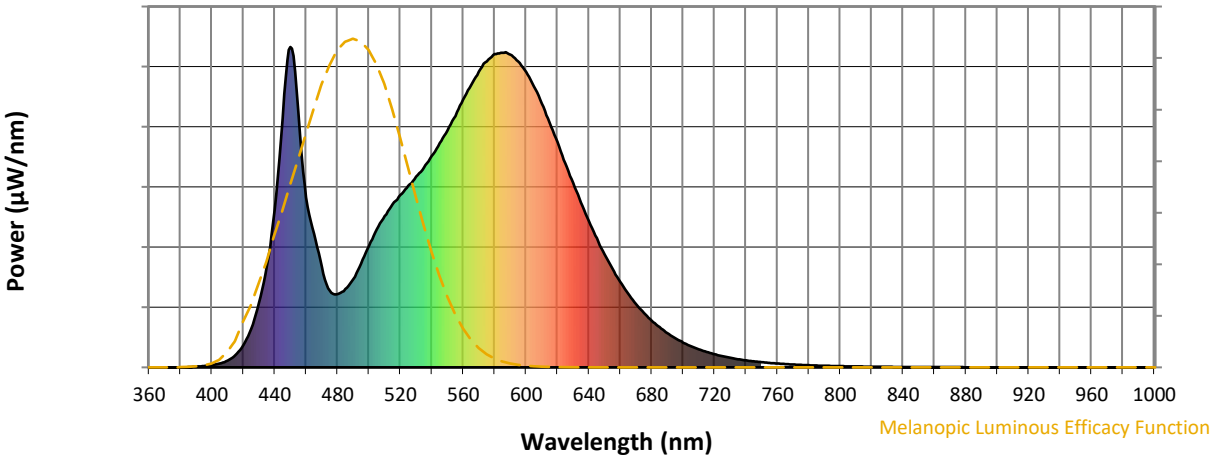


Scotopic Lumens: NR **S/P: 1.59**

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			

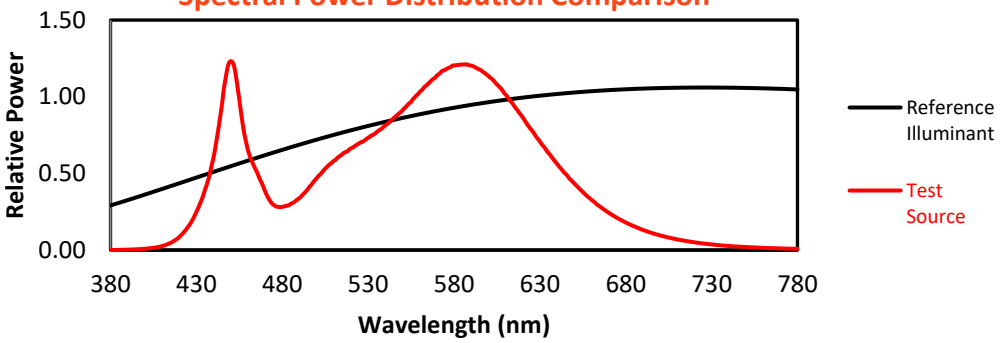
REPORT NUMBER: SP1-2501-332-1

TM-30-18

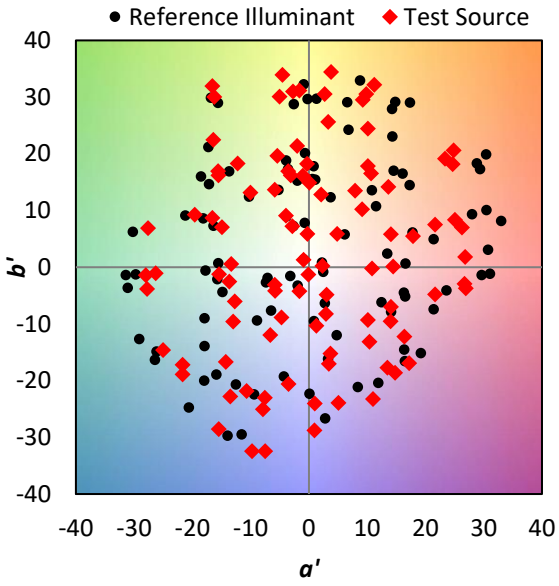
Summary

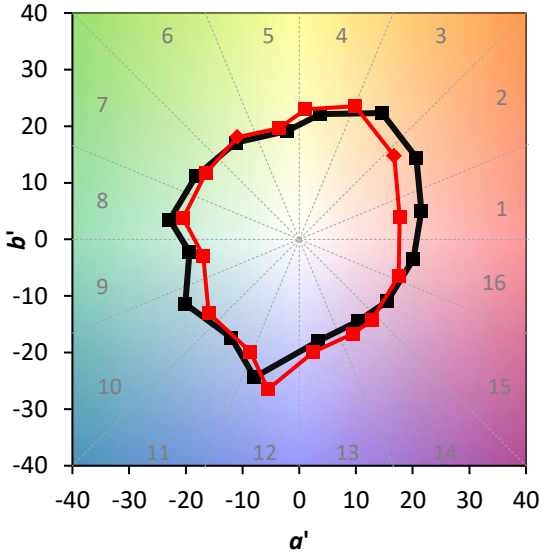
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

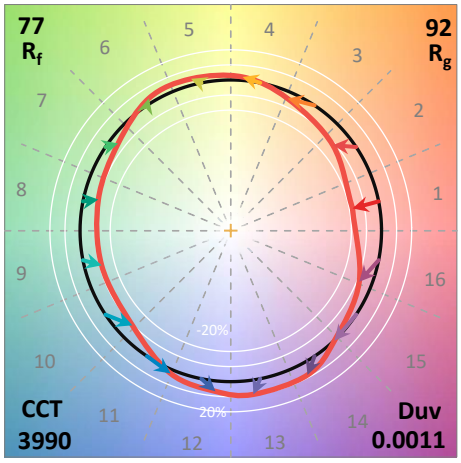
Spectral Power Distribution Comparison

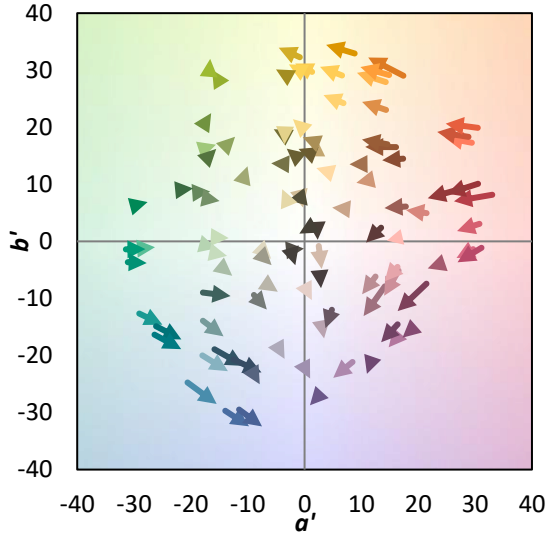


Color Vector Graphics







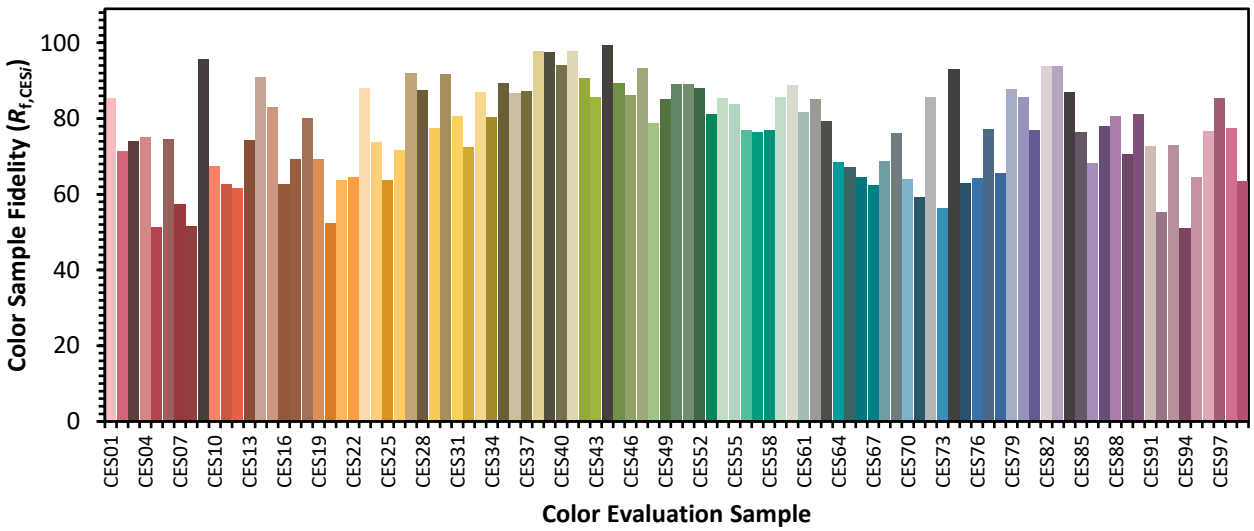


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

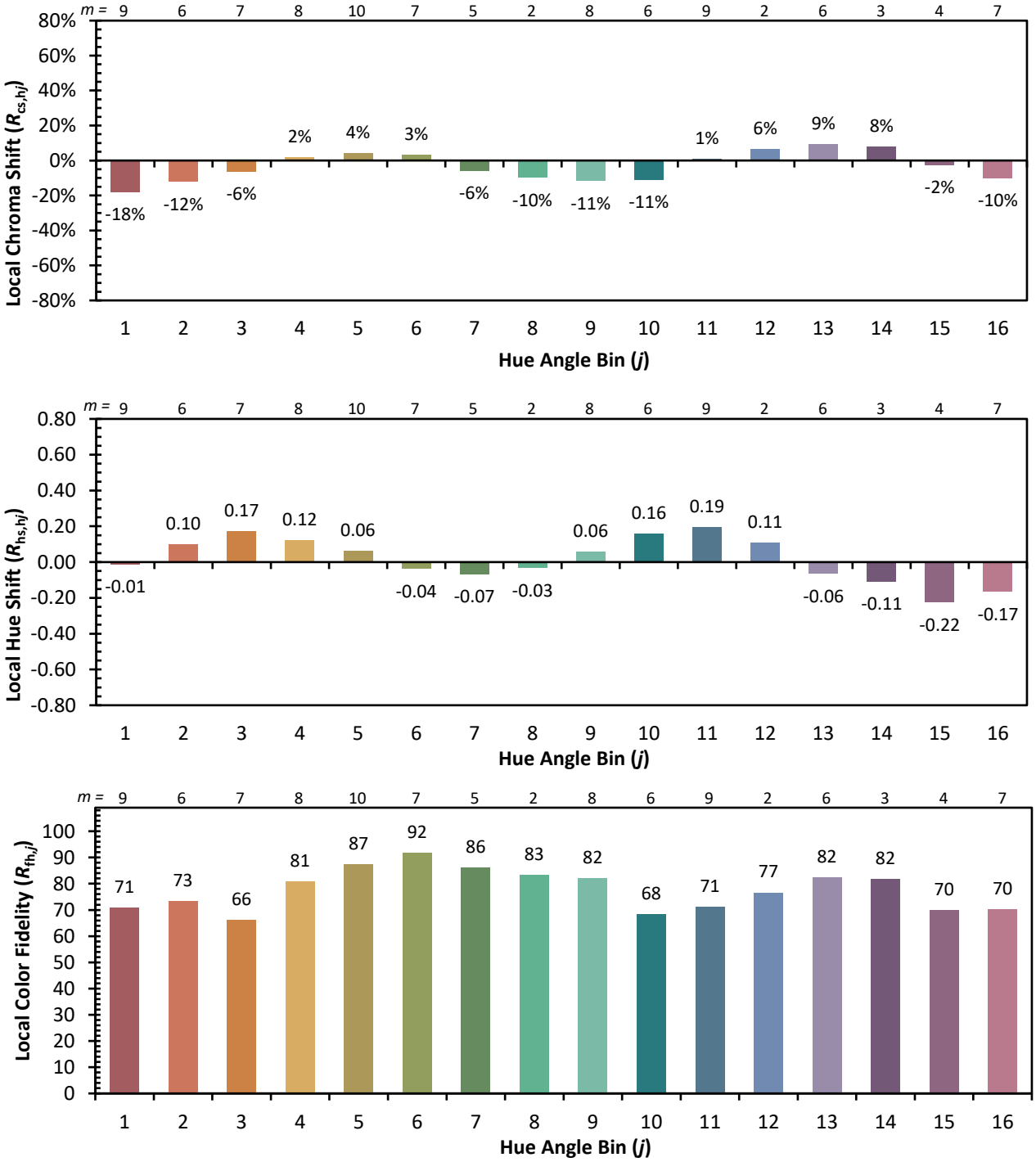
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57 = 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

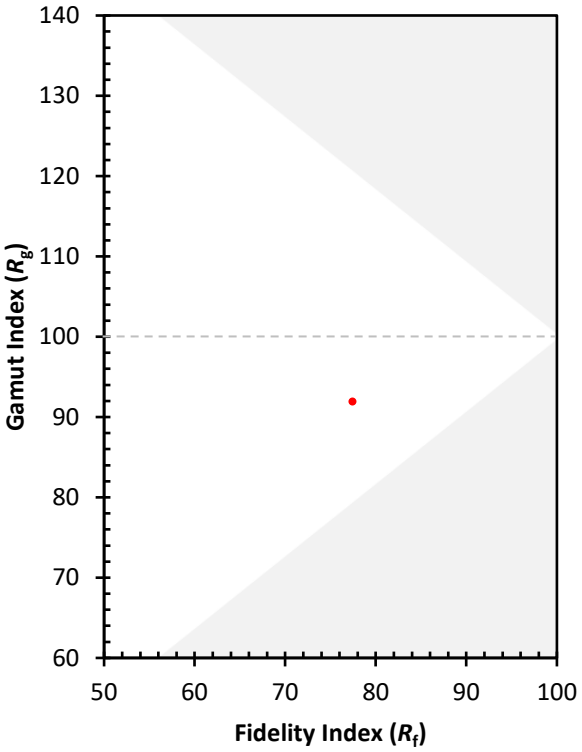
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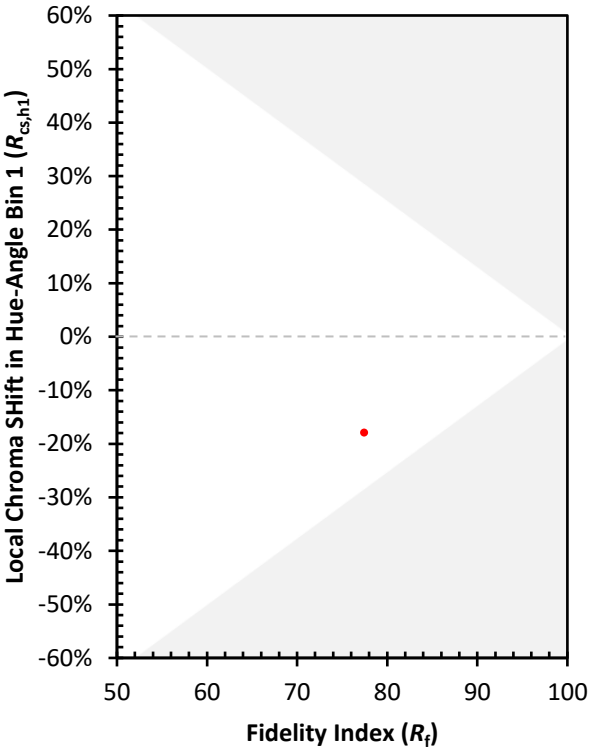


REPORT NUMBER: SP1-2501-332-1

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Measure Comparisons





(END OF REPORT)