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: P1224001

Luminaire Tested: **FFX-CLB-40-740-U-VM8-T4**

Issue Date: 01/27/2026

Report Generated By 670245763

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:	P1224001
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	01/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-40-740-U-VM8-T4
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6349.9 lumens
Efficiency:	N/A
Efficacy:	161.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.17' x H: 1.67')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

Input Watts (W):	39.4
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

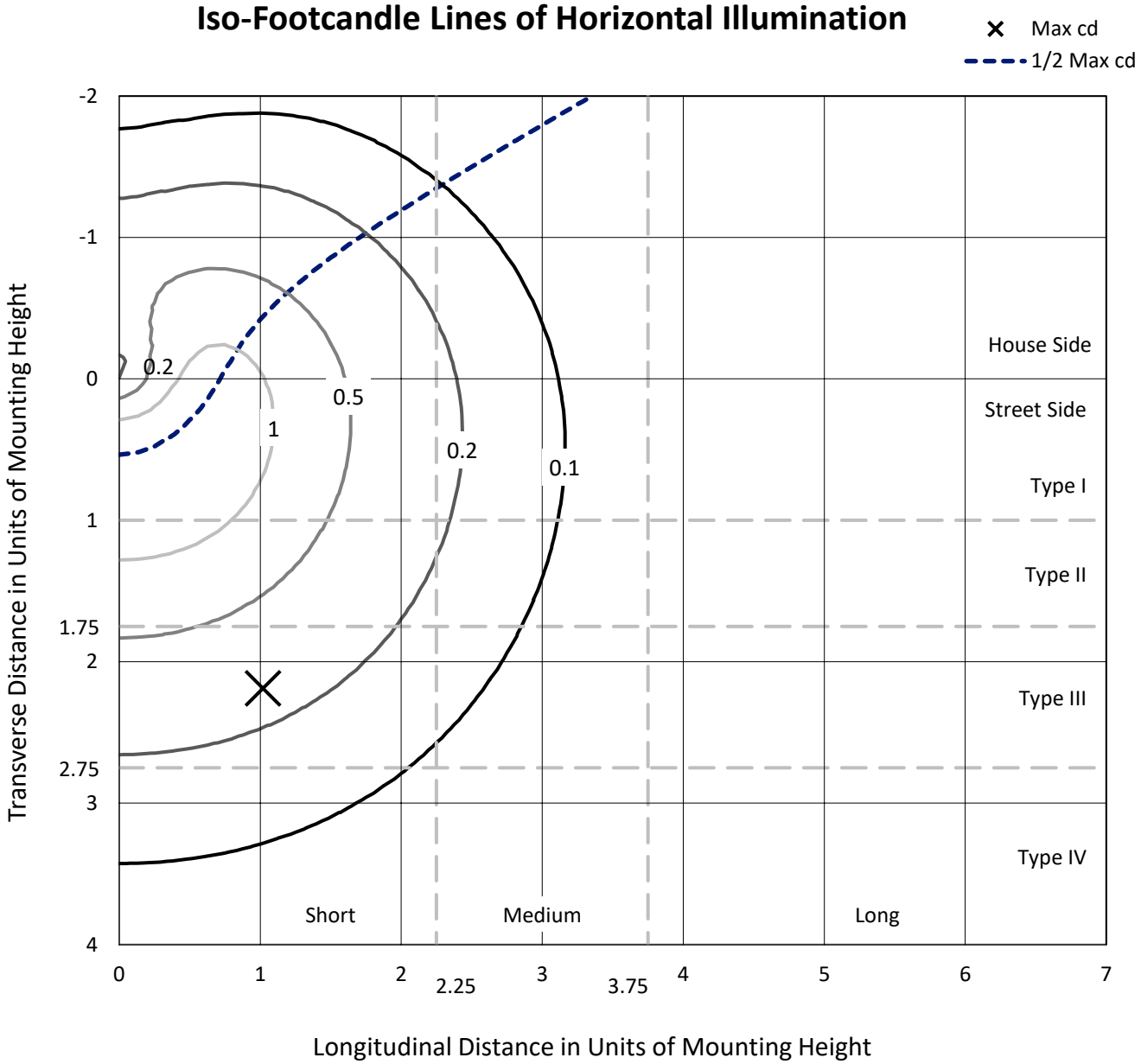


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Iso-Footcandle Lines of Horizontal Illumination



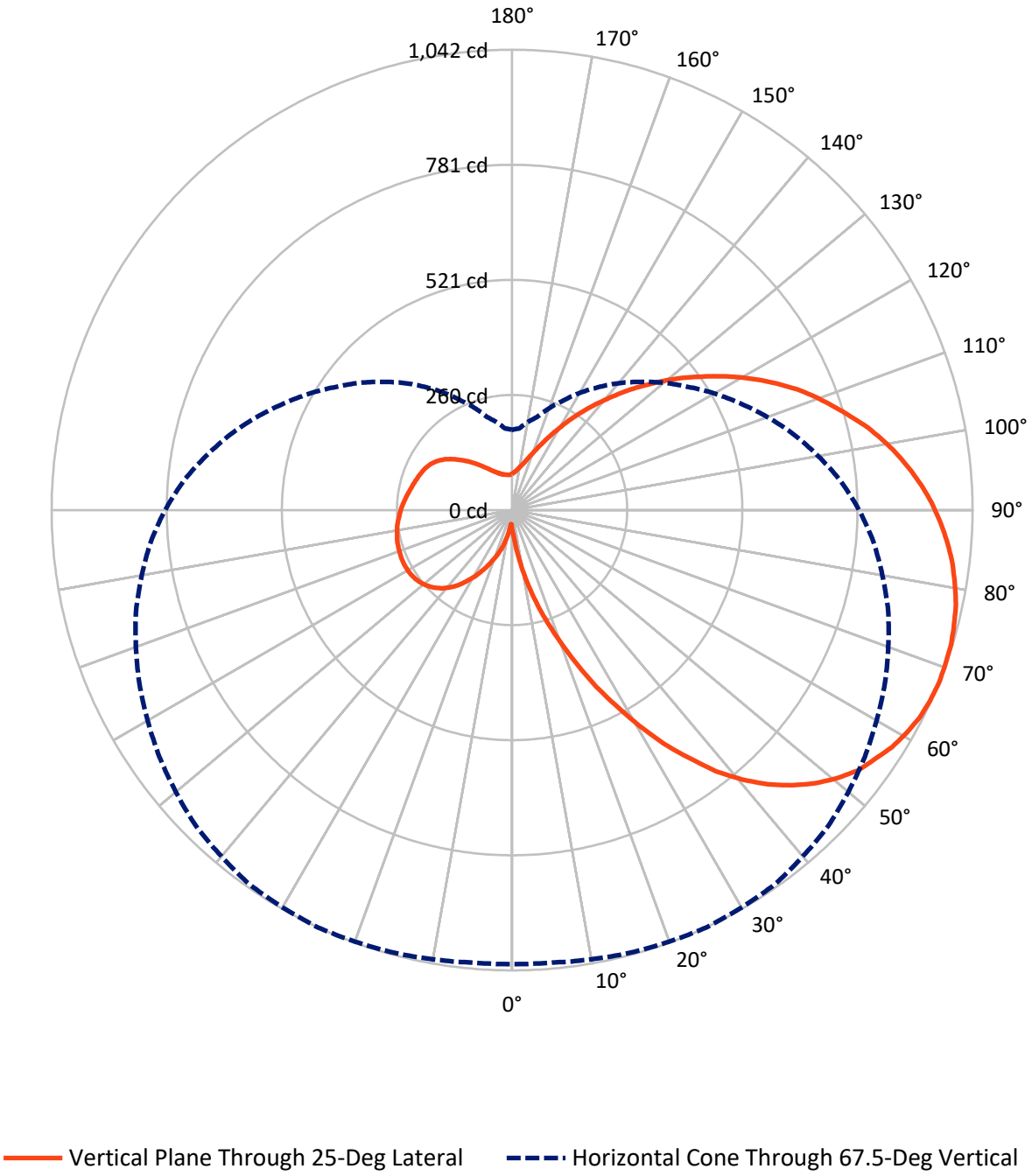
Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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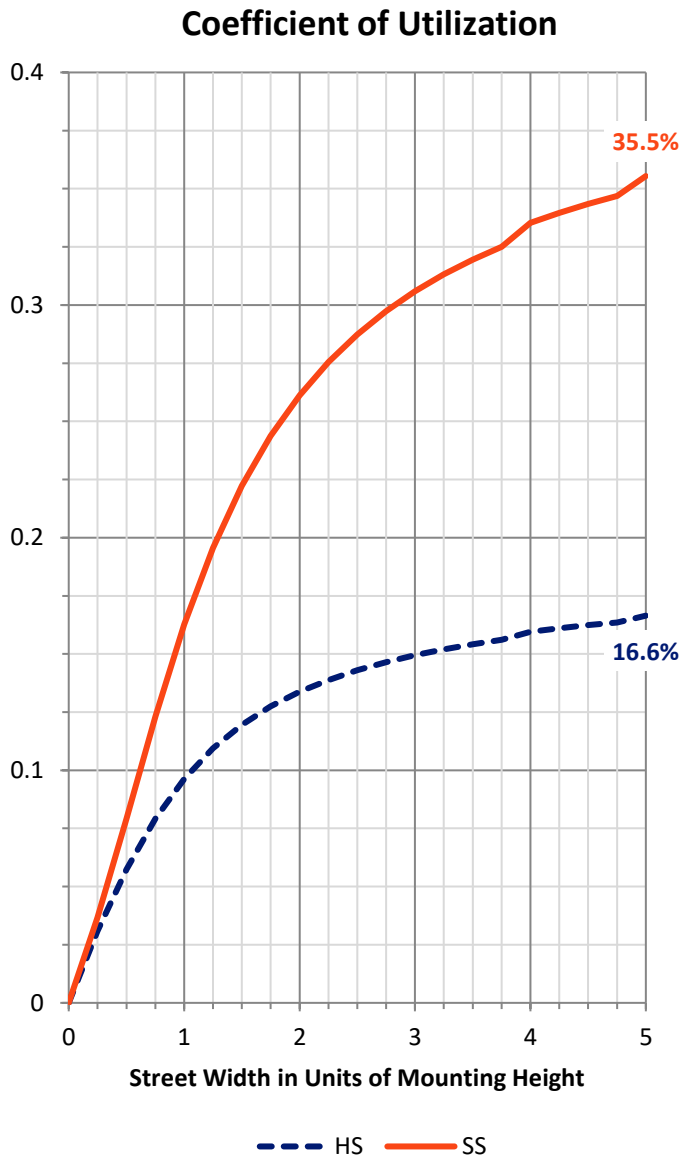
REPORT NUMBER: P1224001
CATALOG NUMBER: FFX-CLB-40-740-U-VM8-T4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1162.9	888.9	2051.8
	% Fixture	18.3	14.0	32.3
Street Side	Lumens	2569.6	1728.5	4298.1
	% Fixture	40.5	27.2	67.7
Total	Lumens	3732.5	2617.4	6349.9
	% Fixture	58.8	41.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	48.3	0.8
20°-30°	144.6	2.3
30°-40°	297.7	4.7
40°-50°	464.8	7.3
50°-60°	602.0	9.5
60°-70°	694.1	10.9
70°-80°	738.6	11.6
80°-90°	735.4	11.6
90°-100°	686.0	10.8
100°-110°	599.6	9.4
110°-120°	491.1	7.7
120°-130°	365.2	5.8
130°-140°	237.5	3.7
140°-150°	134.6	2.1
150°-160°	66.3	1.0
160°-170°	28.9	0.5
170°-180°	8.1	0.1
0°-90°	3732.5	58.8
0°-180°	6349.9	100.0



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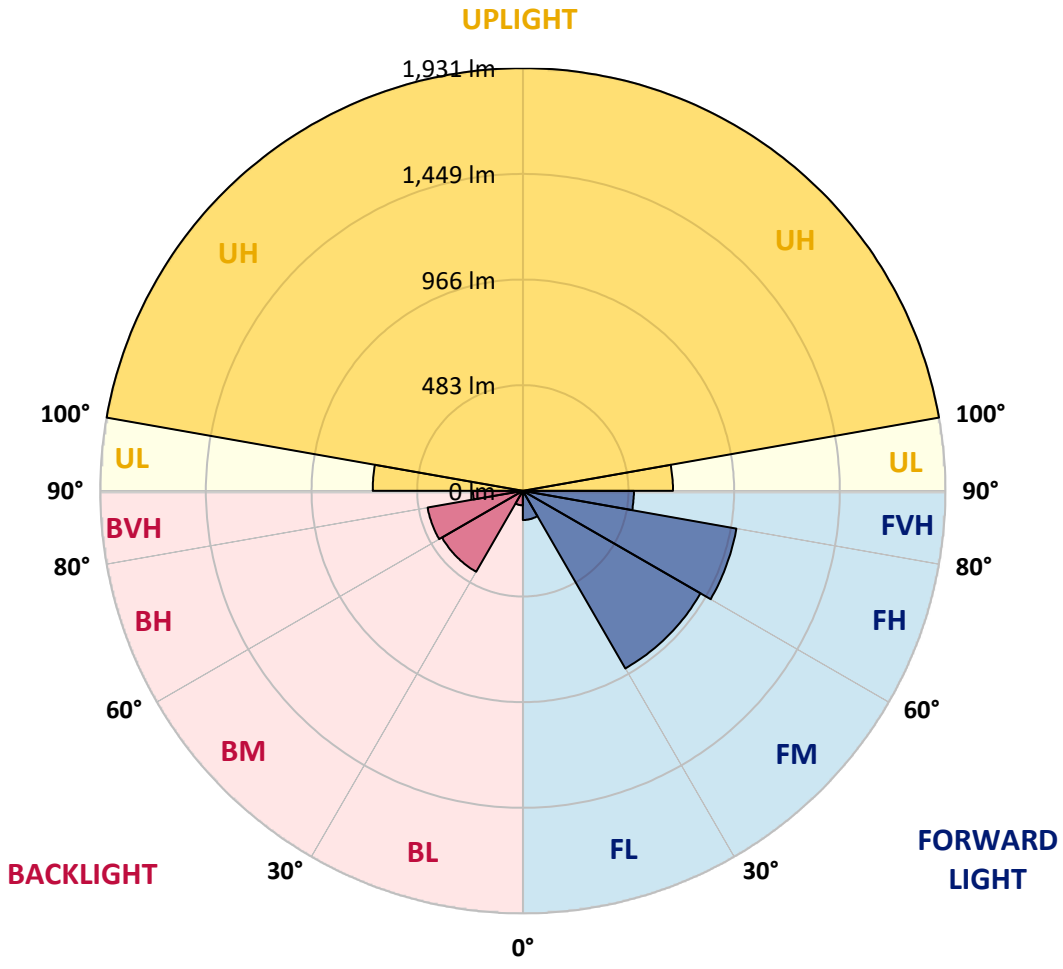
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REPORT NUMBER: P1224001
CATALOG NUMBER: FFX-CLB-40-740-U-VM8-T4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	133.4	2.1			
FM	(30°-60°)	937.6	14.8			
FH	(60°-80°)	991.0	15.6			G1/1800
FVH	(80°-90°)	507.6	8.0			G4/750
BL	(0°-30°)	66.5	1.0	B0/110		
BM	(30°-60°)	426.9	6.7	B1/1000		
BH	(60°-80°)	441.7	7.0	B1/500		G1/500
BVH	(80°-90°)	227.8	3.6			G3/500
UL	(90°-100°)	686.0	10.8		U4/1000	
UH	(100°-180°)	1931.4	30.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	54.8	54.8	55.2	55.2	54.4	54.8	54.0	52.8	52.0	50.0	49.2
5°	79.8	78.6	79.0	78.2	76.6	75.8	72.6	70.1	66.1	61.7	59.7
7.5°	110.8	111.3	109.6	107.6	107.2	102.8	102.0	94.3	91.1	83.4	81.4
10°	149.1	148.3	146.7	146.3	142.7	138.3	131.4	127.4	116.9	111.3	106.8
12.5°	191.1	191.5	188.6	185.8	182.6	176.6	167.3	160.8	152.4	140.7	135.0
15°	236.2	234.6	234.6	231.4	226.5	219.7	212.4	203.2	191.1	178.6	170.5
17.5°	278.1	281.4	280.1	276.1	271.7	263.2	255.6	242.7	229.4	215.7	205.6
20°	330.5	331.3	329.3	325.7	321.7	312.0	302.7	289.8	273.3	251.9	243.5
22.5°	383.3	384.9	384.9	382.9	377.3	368.8	353.9	339.8	319.2	297.9	283.8
25°	444.2	443.0	444.2	443.0	433.7	426.1	410.7	393.8	371.6	345.4	328.5
27.5°	505.5	507.1	503.9	501.0	497.4	485.3	468.8	447.4	419.6	392.2	374.1
30°	565.1	568.8	568.8	565.5	559.9	547.8	529.3	506.3	475.6	441.0	419.6
32.5°	627.6	628.8	630.4	630.0	623.6	611.9	591.3	560.3	526.0	487.7	466.8
35°	693.7	690.1	690.9	688.5	685.7	671.1	647.4	617.5	580.4	537.7	512.3
37.5°	748.5	746.9	748.1	750.1	742.5	727.6	700.2	665.5	624.8	580.0	554.7
40°	800.5	799.3	801.3	801.7	794.1	776.8	747.7	714.3	670.3	618.7	595.0
42.5°	844.1	844.1	846.1	848.5	840.4	821.9	792.5	752.6	707.4	655.4	626.4
45°	884.4	883.2	887.2	888.4	880.3	861.8	828.8	788.4	740.1	687.3	657.0
47.5°	916.6	917.0	921.1	923.5	916.2	895.3	861.8	819.1	768.7	713.5	682.4
50°	943.2	946.9	950.5	953.3	945.6	924.7	890.0	843.7	793.3	737.7	705.4
52.5°	969.8	969.8	975.5	979.1	970.6	948.9	912.6	867.4	815.9	757.0	725.6
55°	986.8	987.2	994.0	995.2	990.0	967.4	930.3	885.2	833.6	774.3	740.9
57.5°	1001.7	1002.1	1009.7	1012.6	1005.3	983.5	945.6	898.9	848.5	788.0	754.2
60°	1014.6	1014.2	1020.6	1024.7	1017.4	994.4	957.3	911.8	860.2	800.5	765.5
62.5°	1022.6	1022.6	1030.3	1034.3	1026.7	1004.1	966.2	921.1	869.5	809.0	774.3
65°	1026.3	1027.1	1034.3	1039.2	1031.9	1008.9	971.0	926.7	875.9	815.9	780.8
67.5°	1027.5	1027.9	1036.7	1041.6	1034.7	1011.3	973.9	930.3	880.7	820.3	784.8
70°	1028.3	1028.7	1035.5	1040.4	1034.3	1010.9	974.7	931.9	883.6	822.7	787.2
72.5°	1023.8	1025.1	1032.7	1038.4	1031.1	1008.1	972.7	931.9	883.2	824.3	788.0
75°	1018.2	1021.0	1027.9	1032.7	1026.3	1004.1	969.4	930.3	882.8	823.5	788.0
77.5°	1012.6	1013.0	1021.8	1026.3	1019.4	996.8	963.8	926.3	880.3	821.1	785.2
80°	1001.3	1003.7	1011.3	1015.4	1009.3	988.0	955.7	920.7	875.9	817.1	780.8
82.5°	993.2	992.4	1000.1	1003.7	997.6	975.5	946.5	911.8	869.5	810.2	774.7
85°	977.9	979.5	985.6	988.8	981.9	961.8	934.0	902.9	860.6	802.5	766.7
87.5°	963.4	964.2	968.2	971.8	965.0	945.6	919.8	890.4	849.7	792.9	757.8
90°	945.2	945.6	950.1	952.9	946.9	928.7	904.9	876.3	838.0	782.0	746.9
92.5°	928.3	927.5	930.7	931.9	926.7	909.0	887.6	861.0	823.9	768.7	734.8
95°	906.1	905.7	908.6	907.8	902.1	886.8	867.4	844.1	807.4	754.6	721.1
97.5°	881.6	882.0	883.6	882.8	876.7	862.6	847.7	824.3	790.5	738.1	705.8
100°	854.1	855.4	857.8	855.4	850.1	839.6	823.9	804.6	771.1	721.5	689.7
102.5°	831.2	827.9	827.1	826.7	821.5	812.2	800.1	783.2	752.2	703.4	672.8
105°	800.9	798.9	798.5	794.1	792.1	784.4	774.3	759.0	731.2	685.3	655.4
107.5°	769.1	769.5	767.9	762.6	759.8	754.6	748.9	735.2	708.6	665.1	637.7
110°	740.5	738.5	734.0	731.6	729.6	725.2	721.5	711.0	686.5	645.7	618.3

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REPORT NUMBER: P1224001
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	705.0	706.2	701.0	*699.4*	696.1	695.7	693.3	684.8	663.1	625.2	599.4
115°	673.2	672.4	667.1	*663.9*	662.7	663.5	665.1	659.0	638.9	603.0	579.2
117.5°	638.1	635.7	632.0	*628.8*	627.2	630.4	634.1	631.2	614.3	580.4	557.9
120°	600.6	601.0	595.8	*592.5*	592.9	598.2	603.0	601.4	585.3	555.1	534.9
122.5°	565.5	563.5	559.1	*555.9*	558.7	564.3	570.0	569.6	555.5	526.0	507.9
125°	527.2	526.8	522.4	*519.2*	521.6	528.0	534.9	535.7	522.4	497.8	479.7
127.5°	491.0	489.8	488.9	*485.3*	486.9	495.8	500.6	500.2	488.5	466.0	450.3
130°	456.3	455.9	451.1	*449.4*	451.5	458.7	463.6	462.7	453.5	433.7	419.6
132.5°	421.2	419.6	417.6	*415.2*	416.8	422.8	429.3	428.5	417.6	398.7	387.4
135°	386.6	385.4	383.7	*382.1*	383.3	389.4	395.0	393.4	384.1	367.2	355.9
137.5°	354.7	353.5	351.5	*349.5*	351.1	355.9	359.6	358.3	350.7	334.6	323.7
140°	321.7	322.5	320.1	*318.4*	319.2	324.1	326.9	325.3	316.8	303.5	294.7
142.5°	291.4	291.4	290.2	*289.8*	291.0	293.4	295.9	292.6	287.0	273.3	266.0
145°	262.4	262.8	262.4	*261.6*	262.0	264.8	265.2	264.0	257.6	247.5	239.4
147.5°	235.0	236.2	235.4	*235.4*	235.8	237.0	238.6	235.8	230.2	221.3	215.7
150°	209.6	210.4	210.4	*209.6*	209.6	211.2	211.2	209.2	204.8	197.5	192.3
152.5°	187.4	187.8	187.8	*187.0*	187.4	187.8	187.0	184.6	181.0	175.3	171.3
155°	167.3	168.1	166.9	*167.3*	166.1	166.5	166.1	164.5	160.4	155.6	153.2
157.5°	149.1	150.4	149.5	*149.5*	148.7	148.3	147.9	146.3	143.5	139.5	136.6
160°	134.6	135.4	134.2	*134.2*	133.4	133.4	131.8	131.0	128.2	124.6	122.9
162.5°	122.1	122.1	121.7	*122.1*	121.7	120.5	119.7	118.1	115.7	112.9	111.7
165°	112.1	111.7	111.7	*111.3*	110.8	110.0	108.8	108.0	105.6	103.2	102.4
167.5°	104.4	104.0	103.6	*103.2*	102.4	102.0	100.8	100.0	98.0	95.9	95.1
170°	98.0	98.0	97.1	*96.7*	96.3	95.5	94.3	93.1	91.5	90.3	89.5
172.5°	92.3	92.3	91.9	*91.5*	91.1	90.3	89.1	88.3	87.1	85.9	85.1
175°	88.3	88.3	87.9	*87.1*	86.7	85.9	85.1	84.2	83.0	82.2	81.8
177.5°	85.1	85.1	85.1	*84.2*	83.8	83.0	82.2	81.4	81.0	80.2	80.2
180°	81.0	81.0	81.0	*81.0*	81.0	81.0	81.0	81.0	81.0	81.0	81.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
2.5°	48.0	45.5	43.5	40.3	37.5	35.1	33.5	32.2	31.4	30.6
5°	57.2	52.8	48.4	43.5	39.1	35.1	31.8	29.4	28.2	28.2
7.5°	78.2	71.3	63.7	56.8	51.6	46.4	41.5	38.7	37.1	36.3
10°	102.4	92.3	84.6	76.2	66.9	60.5	54.8	51.2	49.2	49.6
12.5°	131.4	118.9	109.2	96.7	86.7	76.6	70.5	65.3	62.9	62.5
15°	163.7	149.1	135.0	120.1	106.8	95.1	86.3	79.4	75.4	75.0
17.5°	197.5	179.4	160.4	143.5	126.2	111.7	99.6	91.5	87.1	87.1
20°	231.8	211.2	189.0	166.9	145.9	128.2	114.1	103.6	98.0	97.1
22.5°	271.3	245.1	218.5	191.5	167.7	145.5	127.4	114.9	108.8	107.6
25°	314.4	283.4	251.5	219.7	190.3	163.7	142.7	128.6	120.1	118.9
27.5°	359.2	321.7	284.2	247.1	212.8	183.4	158.0	139.9	131.4	130.2
30°	403.1	362.0	318.4	274.9	236.2	202.4	173.3	152.4	141.9	140.3
32.5°	446.2	399.5	351.5	303.1	260.8	221.3	187.4	164.9	152.0	150.4
35°	487.3	439.0	382.9	330.9	282.6	240.2	202.4	176.1	161.6	160.0
37.5°	527.6	472.8	414.0	356.7	304.3	256.4	216.1	186.6	170.5	168.9
40°	565.9	505.1	441.0	380.5	323.3	272.5	227.7	195.9	177.8	175.7
42.5°	595.4	532.9	466.0	400.7	339.8	284.6	238.2	203.2	183.4	180.6
45°	624.8	557.9	487.3	418.4	354.3	296.3	246.7	209.6	188.6	185.4
47.5°	649.0	579.2	504.7	432.9	366.4	306.3	253.9	214.0	191.9	188.6
50°	671.9	598.2	520.8	446.2	377.3	315.2	260.0	217.7	193.9	190.7
52.5°	689.7	613.9	533.7	456.7	386.2	321.7	264.8	220.1	195.1	191.5
55°	704.6	626.8	544.2	464.8	393.0	327.3	268.5	221.3	195.1	191.5
57.5°	717.1	636.9	552.6	472.0	398.3	330.9	270.9	221.7	193.9	190.3
60°	728.0	646.2	559.5	477.7	403.1	334.6	272.5	221.7	192.7	188.6
62.5°	736.8	652.6	564.7	482.1	406.7	337.4	273.3	220.9	190.3	186.2
65°	742.1	657.0	568.0	484.5	408.7	338.2	273.3	219.7	187.8	183.8
67.5°	*746.5*	*659.9*	*570.0*	*485.7*	*409.9*	*339.0*	*272.9*	*217.7*	*185.4*	*181.4*
70°	748.5	661.1	570.8	486.5	410.7	338.6	271.7	216.1	183.0	178.2
72.5°	748.9	661.5	570.4	486.5	410.7	338.6	270.5	213.6	180.2	175.7
75°	748.1	660.3	569.2	486.1	410.3	337.4	269.3	211.6	177.8	172.9
77.5°	745.7	657.8	567.1	484.5	408.3	336.2	266.8	209.2	174.9	170.5
80°	741.7	653.8	563.9	481.7	405.9	333.8	264.8	206.8	172.5	168.1
82.5°	735.6	648.6	559.9	478.1	403.5	330.9	262.4	204.4	170.1	165.7
85°	728.4	642.1	553.8	473.6	399.9	327.7	259.2	201.5	167.7	163.3
87.5°	718.3	634.1	547.4	468.4	395.0	323.7	255.6	199.1	165.7	161.2
90°	708.6	625.2	540.5	462.7	390.6	320.1	252.3	196.3	164.1	159.6
92.5°	697.3	614.7	532.1	456.3	384.5	315.2	249.1	193.9	162.4	158.4
95°	684.4	603.4	523.2	448.6	378.9	310.4	245.1	191.5	160.8	157.2
97.5°	669.9	591.3	513.5	440.6	372.1	305.1	241.5	189.5	160.0	156.0
100°	655.0	577.6	503.1	432.5	365.2	299.5	237.8	187.4	159.6	156.0
102.5°	638.1	565.1	492.6	424.5	358.3	294.3	234.2	186.2	159.6	156.0
105°	622.0	550.6	481.3	415.6	351.5	289.0	231.0	185.4	160.0	156.8
107.5°	604.6	536.9	470.0	406.3	343.8	283.8	228.1	184.6	160.8	157.6
110°	588.5	523.6	459.5	397.4	337.0	278.9	225.3	184.2	161.6	158.8

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

Scaled Data Report

REPORT NUMBER: P1224001
CATALOG NUMBER: FFX-CLB-40-740-U-VM8-T4

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	570.8	509.1	447.8	387.8	329.7	273.3	222.5	183.4	162.4	160.0
115°	552.2	493.8	436.1	378.1	321.3	268.1	219.7	183.0	163.3	160.8
117.5°	532.1	477.3	422.0	366.8	312.4	261.6	215.7	181.4	163.3	160.8
120°	510.3	459.9	406.7	354.7	302.3	253.9	211.6	179.4	162.4	160.4
122.5°	486.5	439.4	389.0	339.4	291.0	245.1	205.6	175.7	160.4	158.4
125°	460.3	416.4	370.8	322.9	276.9	235.0	198.3	171.7	157.2	155.6
127.5°	432.9	392.6	349.1	305.5	263.6	224.1	190.7	165.7	152.8	151.2
130°	402.3	366.0	326.5	286.2	247.9	211.6	181.4	158.8	147.1	145.5
132.5°	372.9	339.8	304.3	268.5	231.4	199.5	171.3	151.2	141.1	139.5
135°	342.2	313.2	281.4	247.5	216.1	186.2	161.2	143.5	134.2	133.0
137.5°	312.4	287.8	258.0	228.1	200.3	173.3	151.6	136.2	127.8	127.0
140°	284.6	261.6	236.6	210.4	184.6	161.2	142.3	128.2	121.3	120.1
142.5°	257.6	237.8	215.2	193.1	169.3	149.5	133.0	120.5	114.9	114.1
145°	232.2	215.7	195.9	175.7	155.6	138.3	124.2	113.7	108.8	108.4
147.5°	208.4	194.7	177.4	160.4	143.5	129.0	116.1	108.0	103.6	103.2
150°	186.6	174.1	160.4	145.9	131.8	118.9	109.2	102.0	98.4	98.0
152.5°	166.1	156.4	145.1	133.4	121.3	111.3	102.4	97.1	94.3	93.9
155°	148.3	140.7	131.4	121.3	112.1	104.0	97.1	93.1	90.7	90.7
157.5°	133.4	127.0	120.1	112.1	104.4	98.0	93.1	89.5	87.5	87.5
160°	120.5	114.9	109.6	103.6	98.4	93.1	89.5	86.7	85.1	85.1
162.5°	109.6	105.6	101.6	97.1	92.7	89.5	86.3	84.2	83.4	83.0
165°	100.8	98.4	95.1	91.9	89.1	86.3	84.2	83.0	82.2	82.2
167.5°	93.9	92.3	89.9	87.9	85.9	83.8	82.6	81.8	81.4	81.4
170°	88.7	87.5	85.9	84.6	83.4	82.2	81.4	81.0	80.6	80.6
172.5°	84.6	83.4	82.6	82.2	81.4	81.0	80.6	80.2	80.2	80.2
175°	81.8	81.0	81.0	80.6	80.2	80.2	79.8	79.8	79.8	80.2
177.5°	79.8	79.8	79.8	79.8	79.8	80.2	80.2	80.2	80.6	80.6
180°	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0

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

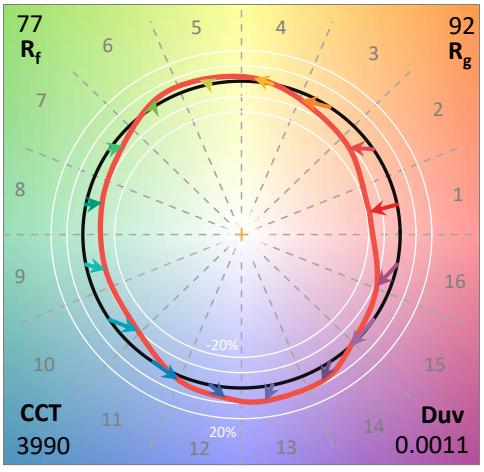
Test Information

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

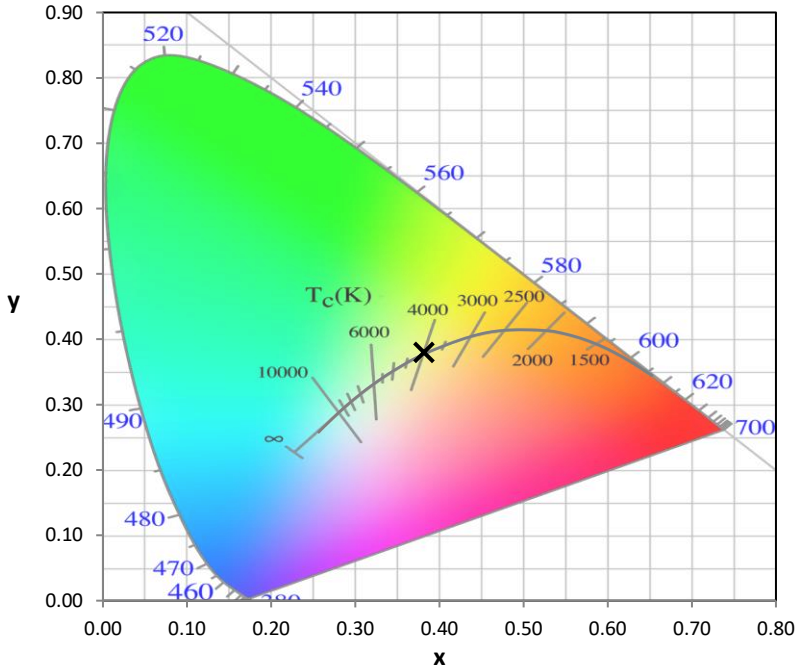
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

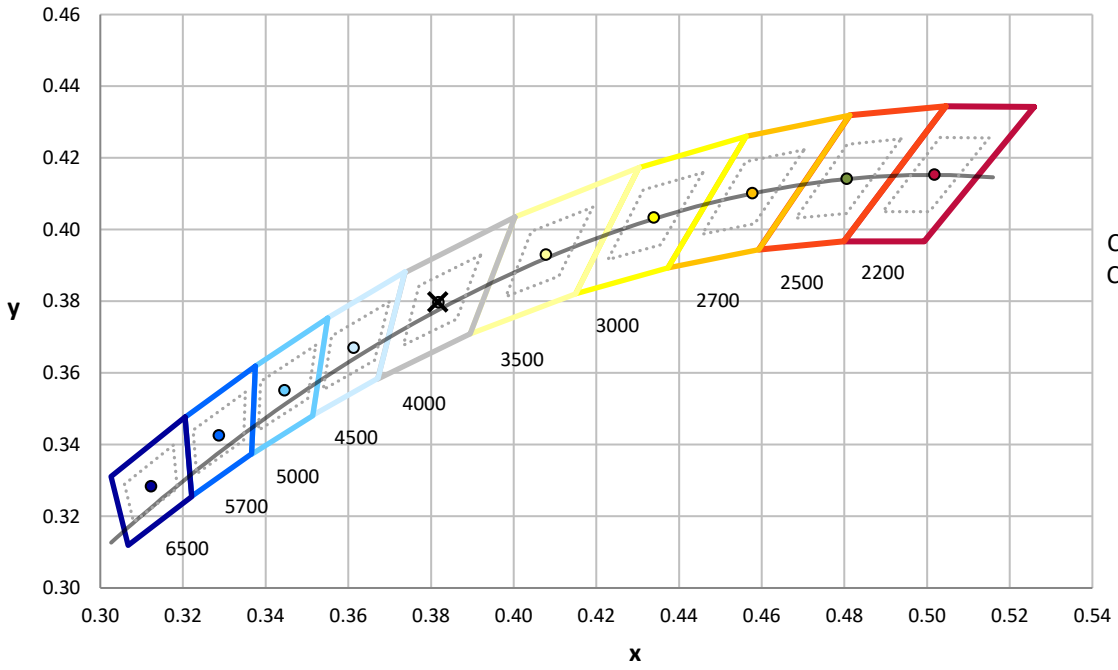
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

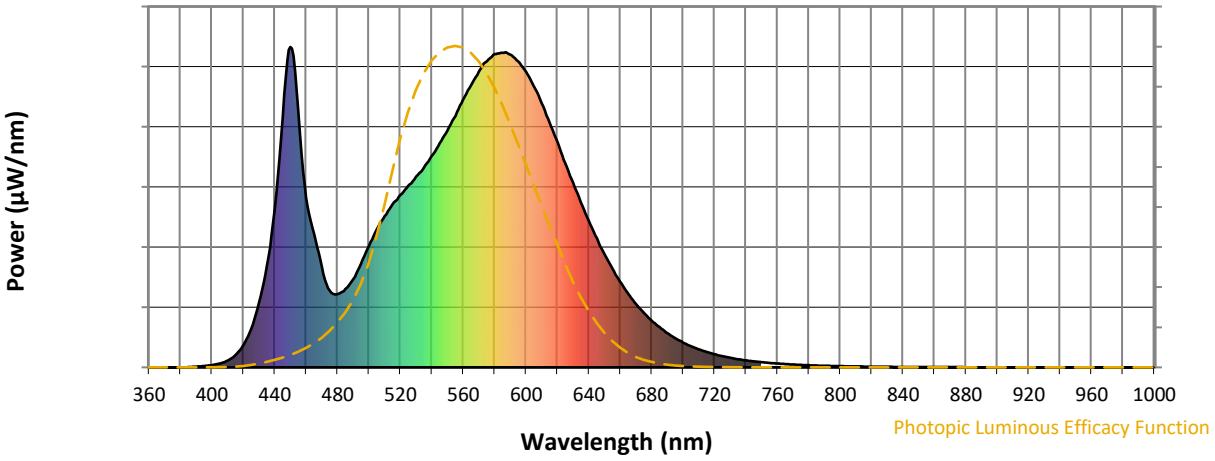


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

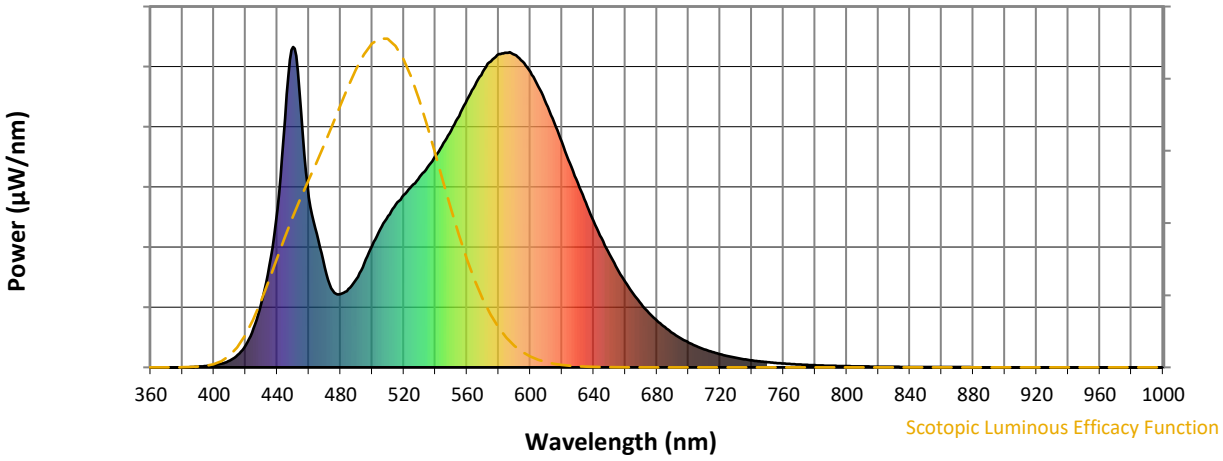


Photopic Lumens: NR

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

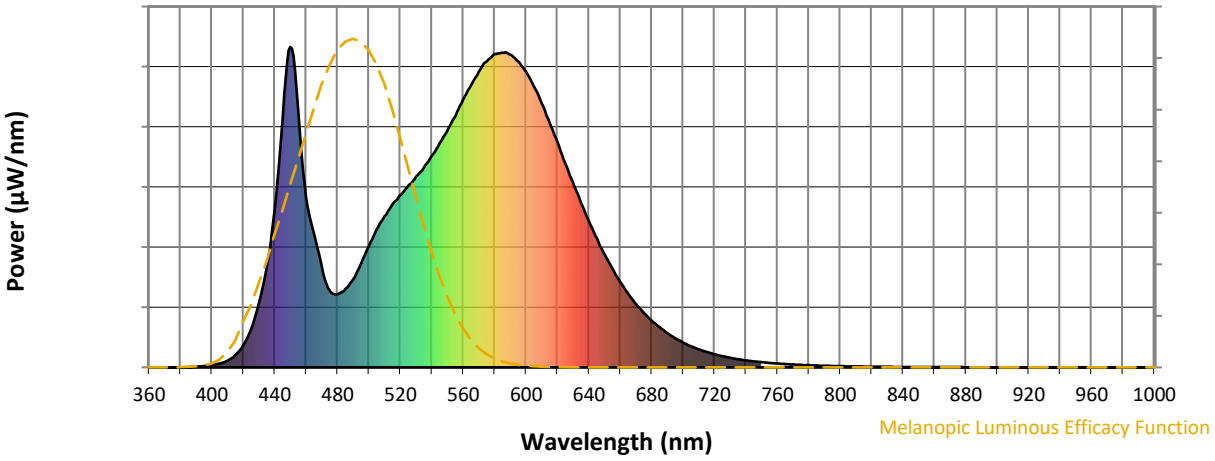


Scotopic Lumens: NR **S/P: 1.59**

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			

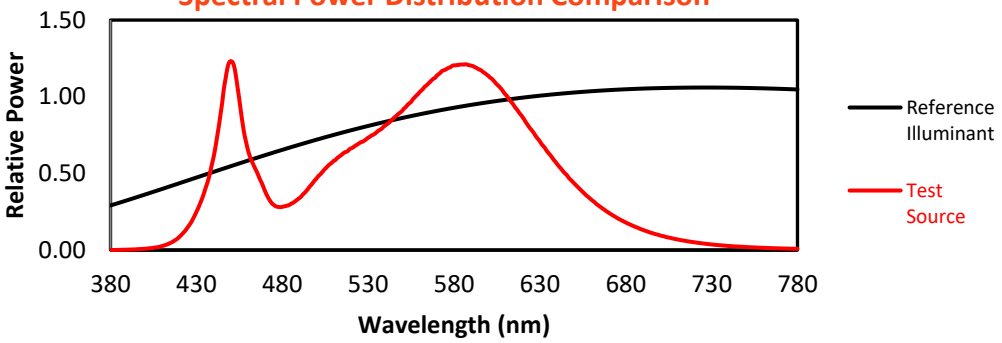
REPORT NUMBER: SP1-2501-332-1

TM-30-18

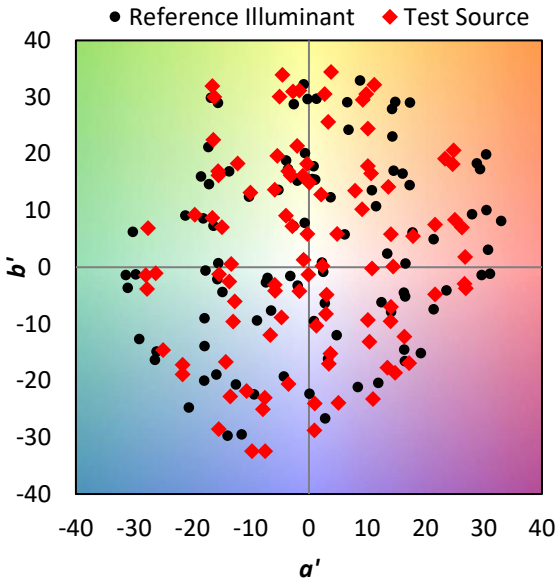
Summary

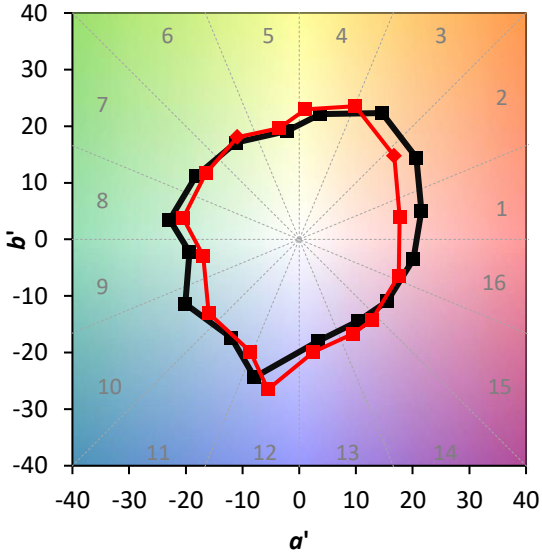
R_f = 77.5
R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

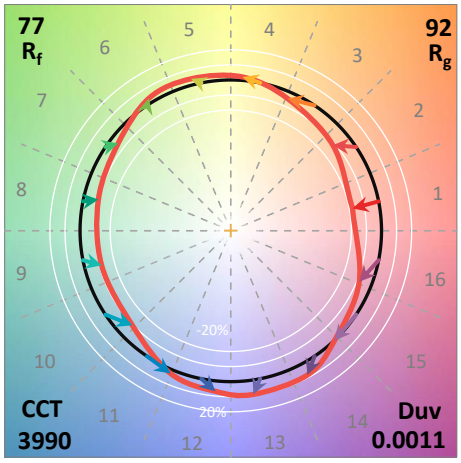
Spectral Power Distribution Comparison

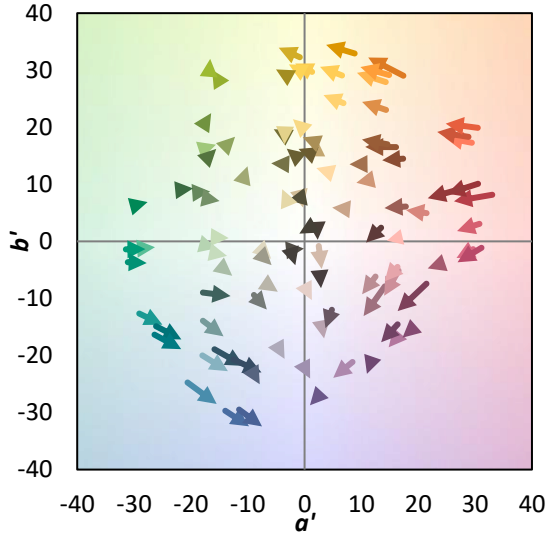


Color Vector Graphics







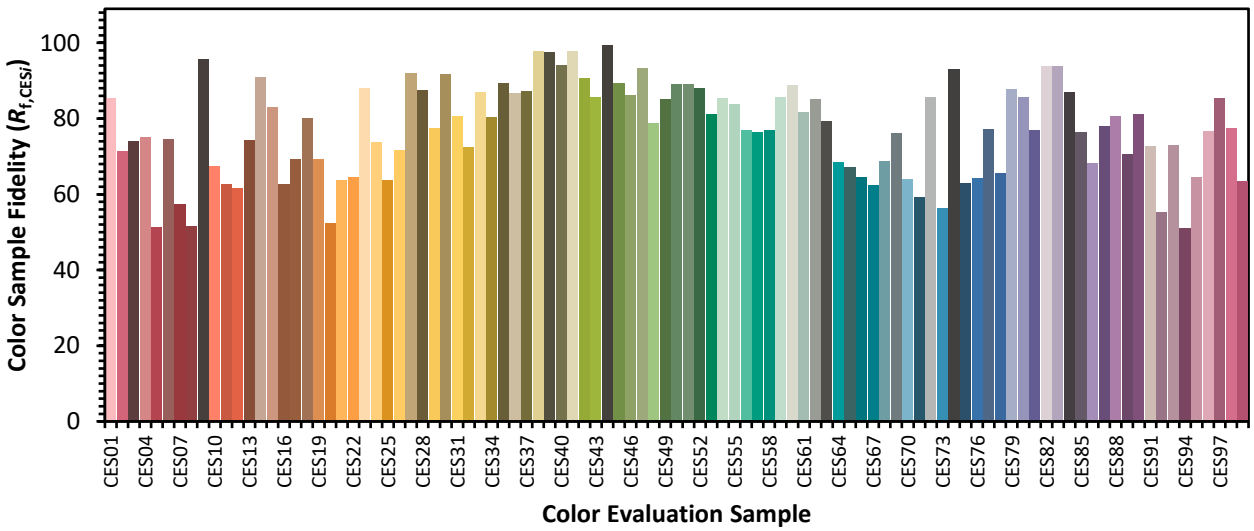


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TM-30-18

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

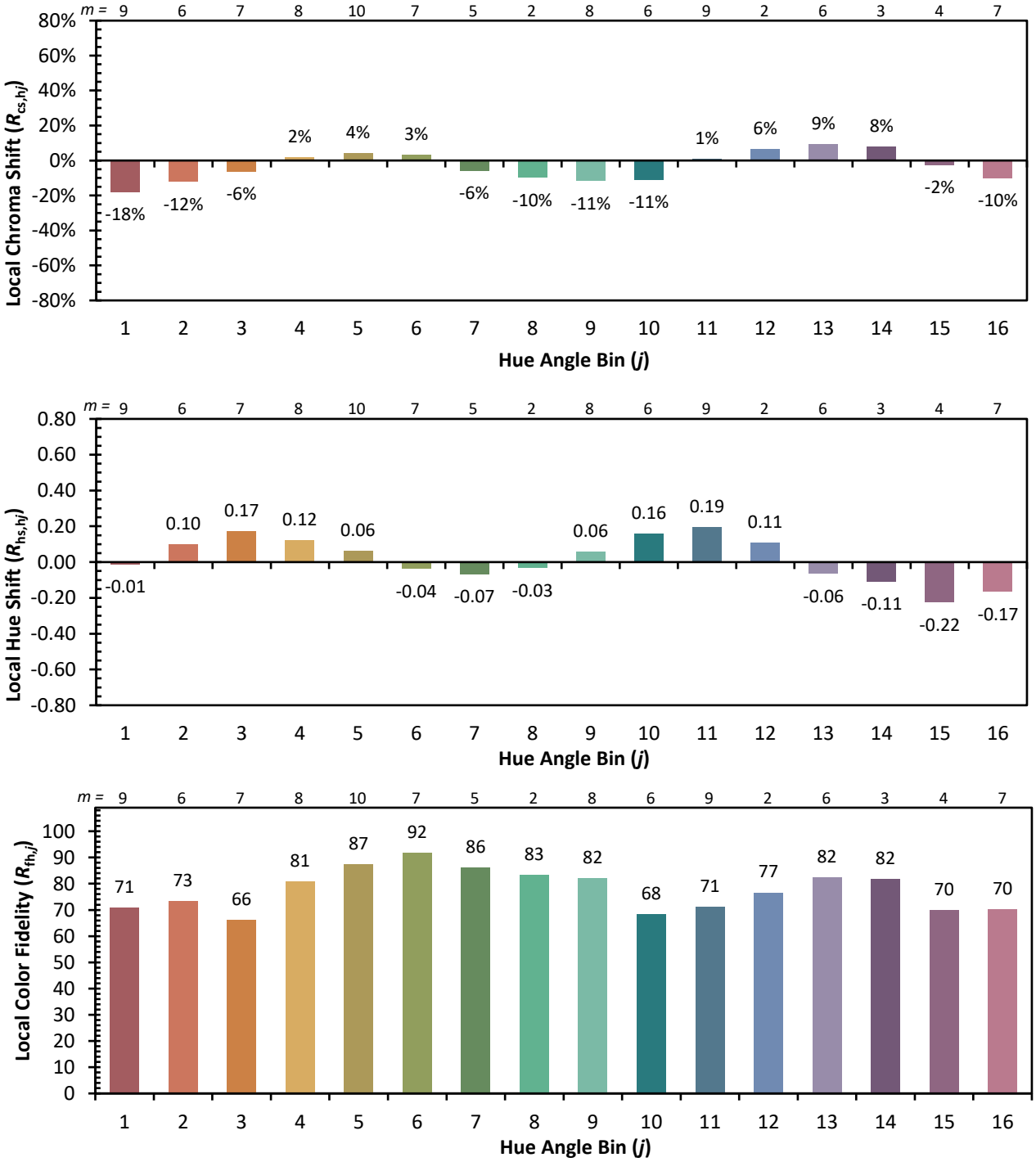
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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

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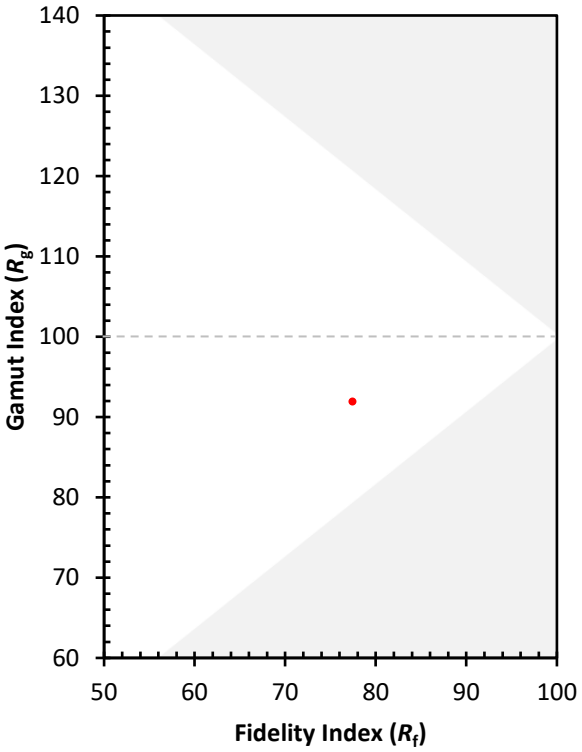
Color Rendition by Hue-Angle Bin

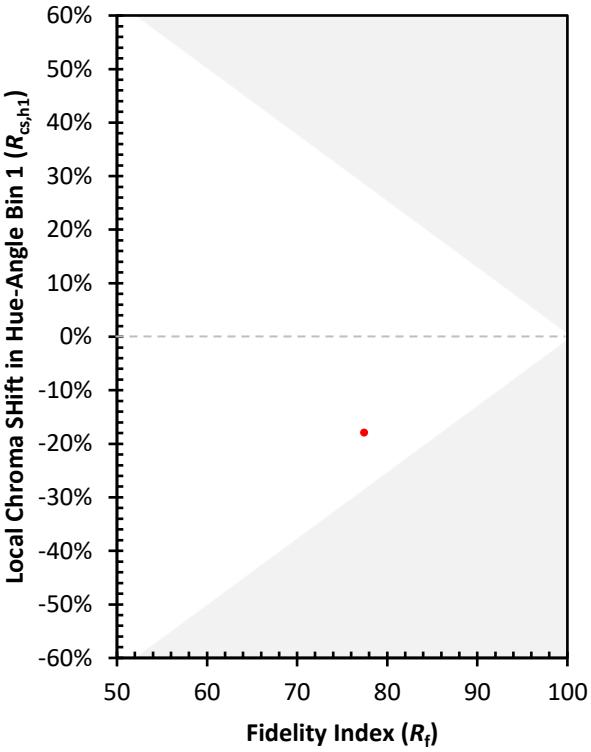


REPORT NUMBER: SP1-2501-332-1

TM-30-18

Measure Comparisons





(END OF REPORT)