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: P1224046

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

Issue Date: 01/27/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1224046
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-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ ULA ACORN 8 INCH NECK TYPE 4 DISTRIBUTION AND HOUSE SIDE SHIELD
Light Source:	(6) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5842.5 lumens
Efficiency:	N/A
Efficacy:	148.3 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

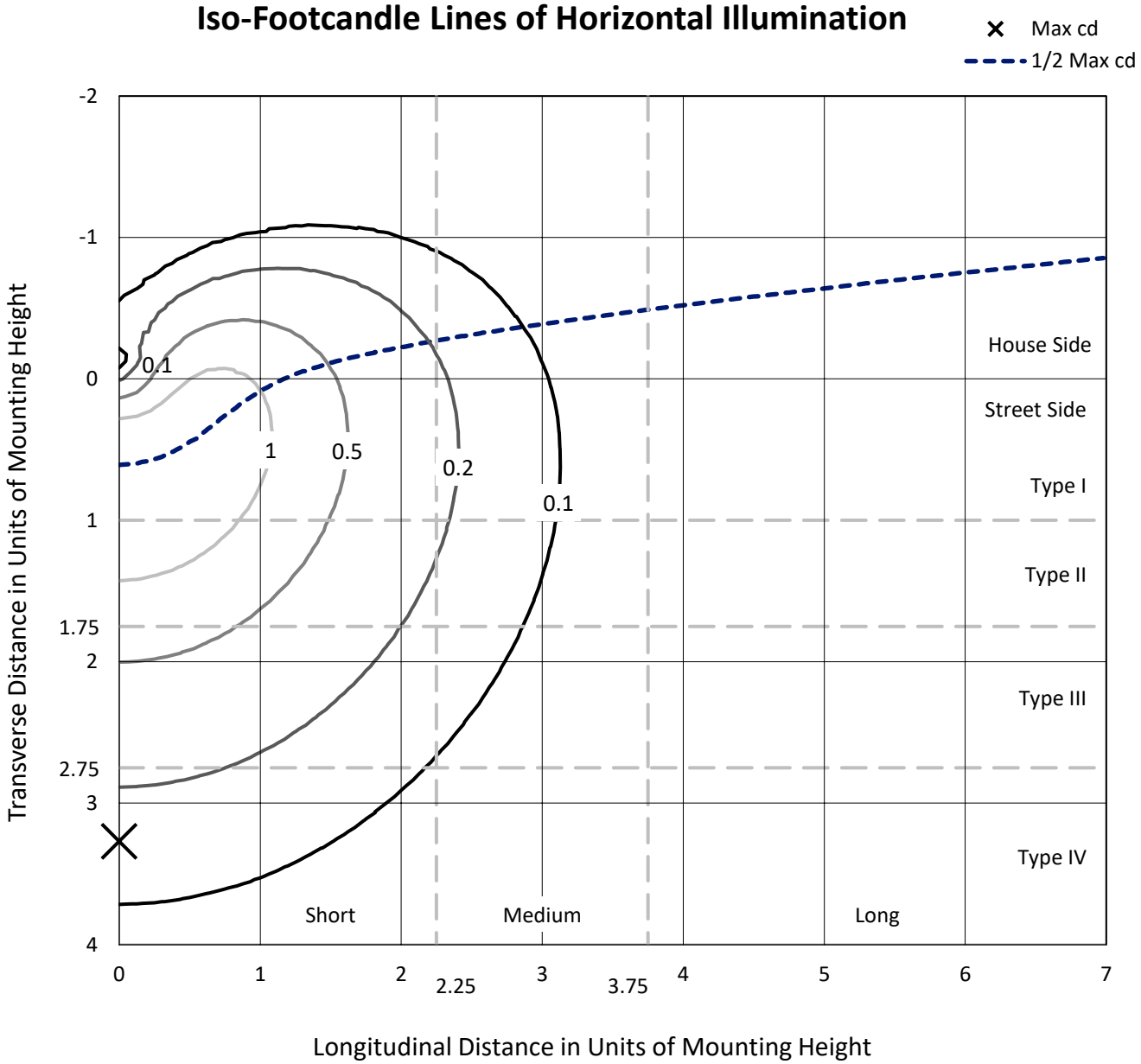


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Iso-Footcandle Lines of Horizontal Illumination



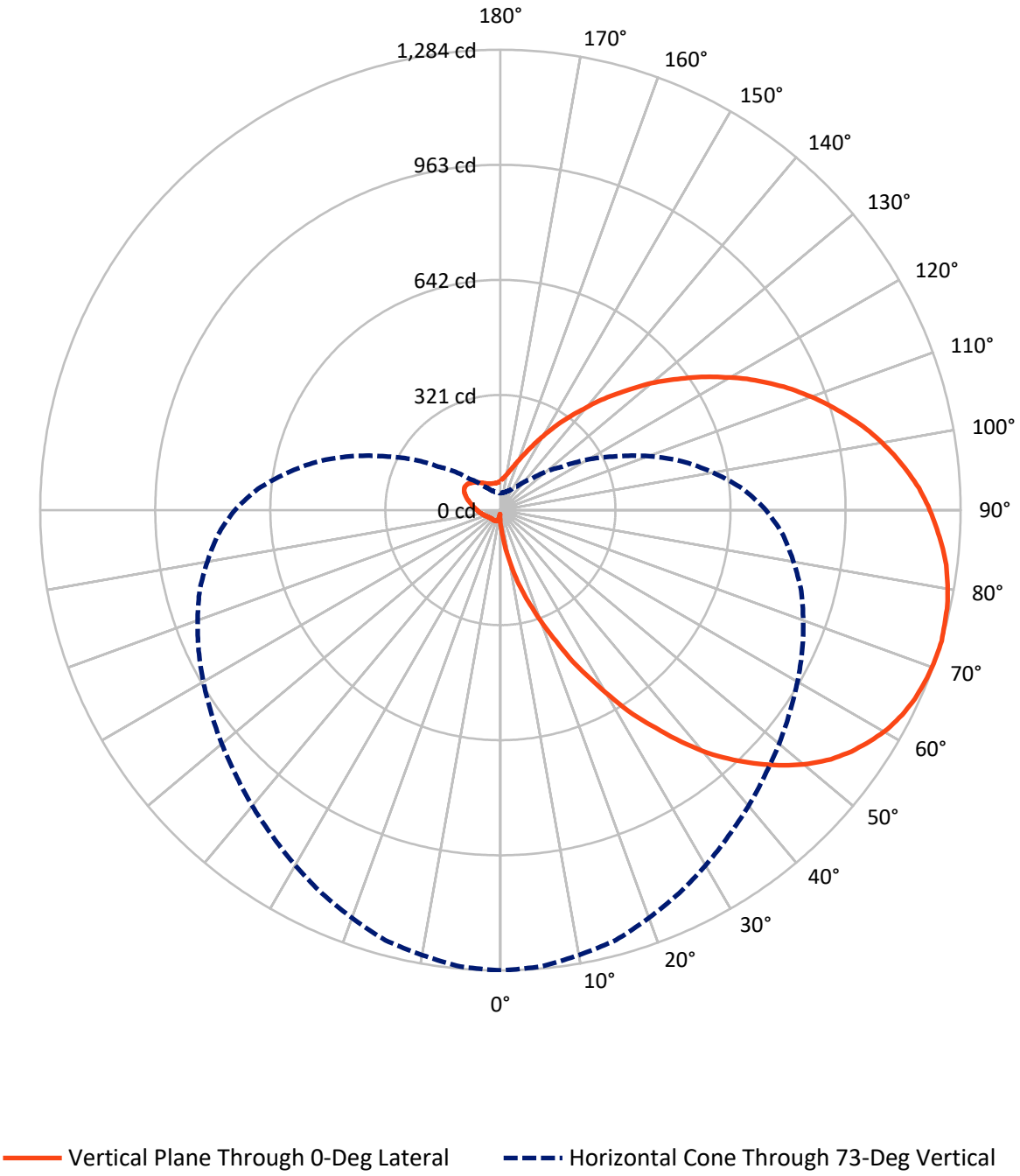
Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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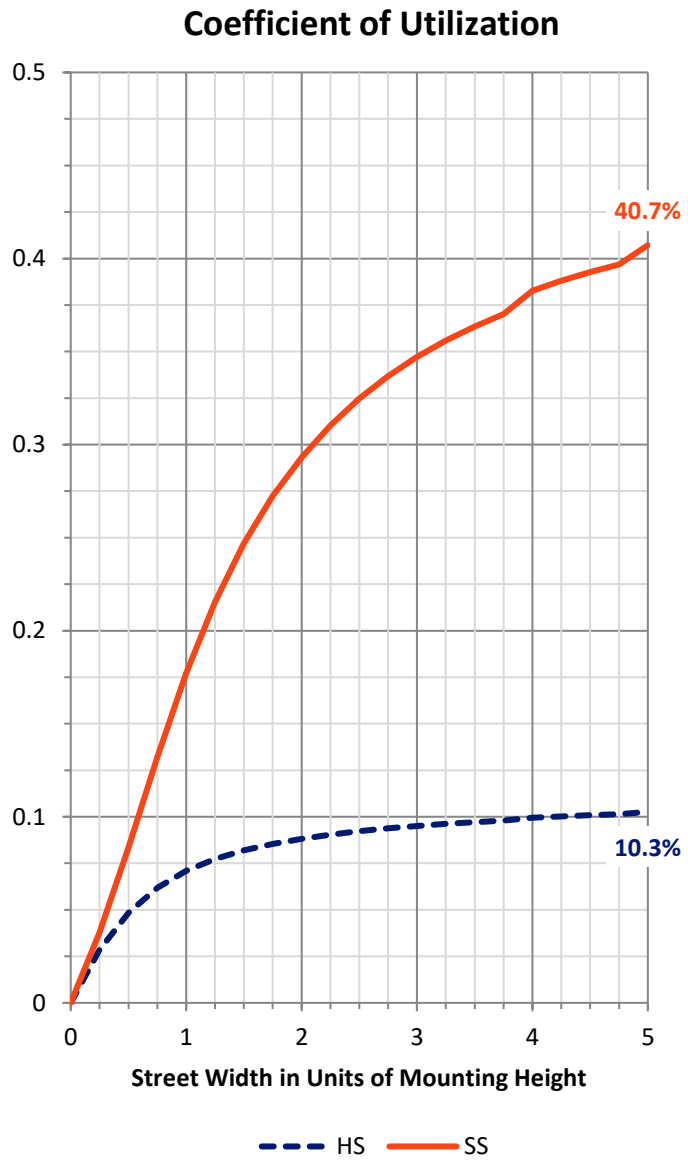
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.1	635.9	1283.0
	% Fixture	11.1	10.9	22.0
Street Side	Lumens	2728.5	1831.0	4559.5
	% Fixture	46.7	31.3	78.0
Total	Lumens	3375.6	2466.9	5842.5
	% Fixture	57.8	42.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	41.4	0.7
20°-30°	125.1	2.1
30°-40°	260.5	4.5
40°-50°	412.9	7.1
50°-60°	542.4	9.3
60°-70°	632.0	10.8
70°-80°	677.4	11.6
80°-90°	677.9	11.6
90°-100°	635.7	10.9
100°-110°	559.2	9.6
110°-120°	461.8	7.9
120°-130°	347.6	5.9
130°-140°	229.4	3.9
140°-150°	131.5	2.3
150°-160°	65.2	1.1
160°-170°	28.5	0.5
170°-180°	8.0	0.1
0°-90°	3375.6	57.8
0°-180°	5842.5	100.0



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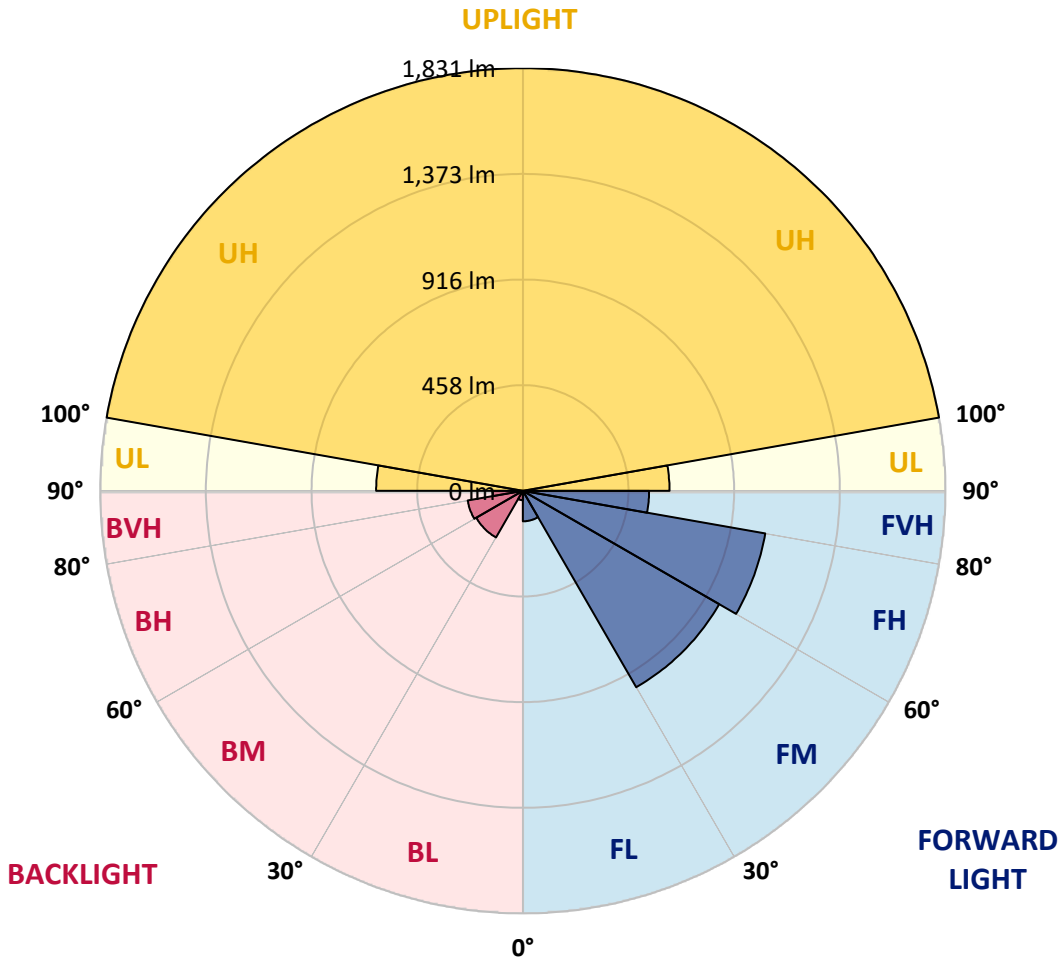
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	132.1	2.3			
FM	(30°-60°)	982.7	16.8			
FH	(60°-80°)	1066.6	18.3			G1/1800
FVH	(80°-90°)	547.0	9.4			G4/750
BL	(0°-30°)	40.4	0.7	B0/110		
BM	(30°-60°)	233.2	4.0	B1/1000		
BH	(60°-80°)	242.7	4.2	B1/500		G1/500
BVH	(80°-90°)	130.9	2.2			G2/225
UL	(90°-100°)	635.7	10.9		U4/1000	
UH	(100°-180°)	1831.2	31.3		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°	*39.5*	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
2.5°	*52.7*	53.1	52.7	53.5	51.5	51.5	49.9	48.3	46.3	43.9	42.3
5°	*78.3*	77.9	77.9	78.3	77.1	73.5	69.5	63.9	59.1	53.9	51.1
7.5°	*112.6*	111.0	109.4	109.0	105.0	99.8	94.2	87.8	81.1	73.9	68.7
10°	*148.5*	149.7	148.1	143.8	139.0	133.0	125.8	117.0	108.2	98.2	92.2
12.5°	*194.9*	191.7	187.7	183.3	178.5	172.9	161.3	151.3	139.0	126.6	118.6
15°	*240.0*	237.2	237.2	231.6	224.0	215.6	204.8	192.5	175.3	155.7	148.5
17.5°	*286.3*	286.7	282.7	276.3	269.5	258.8	247.2	229.6	212.0	191.7	179.3
20°	*340.6*	339.0	336.2	331.4	319.5	309.9	295.5	275.9	252.0	227.2	212.0
22.5°	*396.9*	397.7	397.7	390.1	379.0	365.8	349.4	327.0	298.7	266.7	248.4
25°	*467.2*	466.8	459.2	450.4	441.6	428.1	407.3	380.1	349.0	310.7	289.1
27.5°	*531.1*	530.7	529.1	521.1	507.9	490.4	466.0	436.5	400.9	355.0	329.4
30°	*602.2*	603.8	599.4	592.6	575.4	557.4	529.1	494.4	452.4	402.9	374.2
32.5°	*679.2*	676.0	672.4	663.7	644.9	619.7	587.8	551.9	505.9	449.2	417.7
35°	*745.9*	751.9	746.3	732.7	709.6	682.8	647.7	607.4	557.4	496.7	460.8
37.5°	*821.0*	819.8	811.4	798.2	775.9	741.9	704.8	658.1	602.2	539.1	499.1
40°	*890.9*	886.1	881.3	861.7	833.4	799.4	753.5	706.0	648.5	577.4	537.1
42.5°	*952.8*	952.4	939.6	920.0	884.5	846.9	799.4	746.3	686.4	612.9	567.4
45°	*1009.9*	1008.7	996.3	967.1	933.6	888.5	839.0	783.9	720.8	643.3	599.8
47.5°	*1063.8*	1060.6	1043.4	1013.9	971.5	924.0	872.9	815.0	749.9	670.5	624.9
50°	*1112.9*	1110.1	1090.1	1052.6	1007.5	956.8	900.9	841.0	777.5	697.6	648.5
52.5°	*1154.8*	1150.0	1126.9	1086.5	1035.0	981.5	923.2	863.3	799.0	716.8	669.3
55°	*1188.4*	1183.2	1158.4	1113.3	1059.4	1001.5	942.4	882.9	815.8	733.9	685.2
57.5°	*1216.3*	1212.3	1185.2	1135.7	1078.2	1018.7	958.8	898.1	831.4	749.9	699.2
60°	*1240.7*	1235.9	1205.1	1154.0	1093.3	1031.8	970.7	910.0	844.6	762.3	712.0
62.5°	*1257.8*	1254.3	1221.9	1167.2	1104.1	1041.8	978.7	920.0	854.5	773.5	721.6
65°	*1270.2*	1265.8	1233.1	1175.2	1110.9	1046.6	984.7	924.4	860.9	780.3	728.8
67.5°	*1277.4*	1274.2	1239.9	1180.8	1113.7	1049.0	987.5	928.8	866.1	785.9	734.3
70°	*1282.2*	1277.4	1242.7	1182.0	1112.9	1048.6	987.5	929.2	868.9	789.8	737.5
72.5°	*1283.4*	1278.2	1242.3	1180.0	1110.5	1044.6	985.5	929.6	869.7	791.8	740.7
73°	*1283.8*	*1278.2*	*1241.9*	*1179.2*	*1109.3*	*1044.2*	*985.1*	*928.8*	*868.9*	*791.4*	*740.7*
75°	*1279.4*	1275.8	1238.7	1174.4	1105.3	1040.2	982.3	926.8	868.9	791.8	740.3
77.5°	*1275.0*	1269.4	1230.7	1167.6	1096.1	1033.0	976.3	922.8	866.1	791.0	739.9
80°	*1264.6*	1259.0	1220.3	1154.8	1084.5	1022.6	967.9	916.4	860.9	786.7	736.7
82.5°	*1252.7*	1246.3	1205.9	1140.0	1070.6	1009.5	957.2	908.0	854.1	781.5	731.9
85°	*1235.1*	1230.3	1189.2	1122.1	1054.6	995.9	944.8	898.1	845.4	773.5	724.8
87.5°	*1214.7*	1210.7	1168.0	1101.7	1034.2	978.3	930.4	884.9	835.4	764.7	716.8
90°	*1193.6*	1188.8	1146.0	1078.6	1014.3	959.2	913.6	870.9	823.0	753.9	706.4
92.5°	*1169.2*	1163.6	1120.5	1055.0	992.3	939.6	897.3	855.3	809.0	741.5	695.6
95°	*1139.6*	1134.5	1091.7	1026.2	964.7	916.8	875.7	837.0	792.6	726.8	682.4
97.5°	*1108.1*	1103.3	1060.2	997.5	938.0	890.9	852.5	817.4	775.1	712.4	667.7
100°	*1074.2*	1067.8	1025.0	964.7	906.0	863.3	829.0	797.4	755.9	694.4	651.7
102.5°	*1038.2*	1032.2	991.5	932.4	877.3	835.8	804.6	773.9	735.9	678.0	636.1
105°	*997.5*	994.3	953.2	896.1	844.6	806.2	777.1	750.3	714.4	658.1	619.7
107.5°	*957.2*	950.8	912.4	857.7	809.4	774.7	749.5	724.8	692.0	638.1	601.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	*914.4*	908.0	873.7	821.4	776.7	743.5	720.4	698.4	668.9	618.5	584.2
112.5°	*871.3*	864.1	830.2	782.3	738.7	711.6	690.4	672.0	645.3	599.0	565.0
115°	*824.6*	821.8	788.6	742.7	704.4	678.8	660.5	643.7	618.5	577.8	546.7
117.5°	*778.7*	773.5	744.7	702.4	666.9	642.9	628.9	614.1	591.4	553.1	525.9
120°	*729.2*	728.0	700.4	660.9	627.7	609.0	595.4	583.0	563.0	528.3	502.7
122.5°	*682.4*	680.0	653.7	618.1	590.6	573.0	562.2	551.5	534.3	501.9	478.0
125°	*632.9*	630.1	609.4	580.2	553.9	537.1	526.7	518.3	502.7	473.6	451.2
127.5°	*587.0*	584.2	565.4	537.5	516.7	501.5	492.0	484.4	468.8	443.6	424.1
130°	*541.5*	536.7	520.3	497.9	477.2	466.8	457.2	451.6	435.7	412.1	394.9
132.5°	*492.8*	490.4	478.8	458.0	441.2	430.5	422.1	414.9	402.5	380.9	365.4
135°	*449.6*	447.2	436.5	418.9	407.3	397.3	389.7	382.1	369.4	348.6	335.4
137.5°	*408.5*	406.5	396.9	384.9	370.2	364.2	359.0	349.8	338.6	319.9	307.9
140°	*365.4*	366.2	358.6	347.8	338.6	331.4	326.2	318.7	307.5	291.5	279.5
142.5°	*329.8*	331.0	321.8	314.3	305.9	300.3	295.1	288.7	277.9	263.5	254.4
145°	*296.3*	293.5	289.9	282.7	274.7	271.1	265.9	260.4	252.0	237.6	230.0
147.5°	*262.4*	261.6	258.0	253.2	246.8	241.2	237.2	234.0	225.6	213.6	206.8
150°	*231.6*	230.8	228.8	225.2	219.6	216.0	212.8	208.4	200.5	191.3	185.3
152.5°	*204.4*	204.4	203.3	198.5	196.1	192.1	188.1	185.7	177.7	170.1	164.9
155°	*180.9*	180.9	179.3	176.9	172.5	170.1	167.7	164.1	158.5	152.5	147.7
157.5°	*160.5*	160.9	158.9	156.9	153.7	151.7	149.3	145.8	142.2	136.6	133.0
160°	*142.6*	143.0	142.2	140.6	137.4	135.4	133.4	130.6	127.4	123.0	119.8
162.5°	*128.2*	127.8	127.0	125.4	123.4	122.2	119.8	117.8	115.0	111.8	109.0
165°	*117.0*	115.8	115.4	114.2	112.2	111.0	109.0	107.4	105.4	102.2	101.0
167.5°	*107.0*	107.0	106.2	105.4	103.8	102.2	100.6	99.4	97.8	95.8	94.2
170°	*99.0*	99.0	98.2	97.4	95.8	95.0	93.8	92.6	91.4	89.8	89.0
172.5°	*92.6*	92.6	92.2	91.0	90.2	89.0	88.6	87.5	86.3	85.5	84.7
175°	*87.8*	87.8	87.1	86.3	85.5	84.7	83.9	83.5	83.1	82.3	81.9
177.5°	*84.3*	83.9	83.5	82.7	81.9	81.5	81.1	80.7	80.7	80.3	79.9
180°	*79.5*	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
2.5°	40.7	37.1	33.1	29.5	27.6	24.8	23.2	22.4	23.2	22.0
5°	48.3	41.9	35.5	30.7	25.6	21.6	18.0	14.4	12.0	11.6
7.5°	64.3	57.1	48.3	40.3	33.1	26.8	21.2	16.8	13.6	13.2
10°	85.1	74.3	63.1	51.9	41.5	33.1	26.4	21.6	20.0	19.6
12.5°	111.0	95.4	79.9	65.1	52.3	41.1	33.5	28.4	26.0	25.6
15°	138.2	118.6	98.6	79.5	62.3	48.7	39.1	33.5	30.7	30.3
17.5°	167.3	141.8	114.6	92.2	71.9	55.5	43.5	35.9	32.7	31.9
20°	196.9	164.9	133.8	104.6	79.9	59.9	45.9	37.1	33.1	32.3
22.5°	230.0	191.7	152.9	116.6	87.1	64.3	47.9	37.9	33.5	32.7
25°	267.5	218.8	172.9	130.6	95.0	68.3	49.9	39.1	33.9	33.1
27.5°	305.9	249.2	193.3	143.0	101.8	71.1	51.5	39.5	34.3	33.5
30°	344.6	279.5	214.0	154.9	107.8	74.3	52.3	39.9	34.3	33.9
32.5°	384.9	307.9	234.0	166.1	113.0	76.3	53.1	40.3	34.7	33.9
35°	421.3	337.8	252.8	176.9	117.8	77.9	53.5	40.3	34.7	33.9
37.5°	456.0	363.4	269.9	185.7	121.4	79.1	53.9	40.3	34.7	33.9
40°	492.4	390.5	285.5	193.7	124.2	79.9	53.9	40.3	34.7	34.3
42.5°	521.9	413.3	298.7	199.3	126.2	79.9	53.9	40.3	35.1	34.3
45°	548.7	432.1	311.5	204.4	127.4	79.9	53.5	40.7	35.1	34.7
47.5°	571.8	450.8	321.0	208.0	127.8	79.9	53.5	40.7	35.5	35.1
50°	593.4	466.0	329.4	210.8	128.2	79.5	53.5	41.1	35.9	35.1
52.5°	611.8	478.4	336.2	212.4	127.4	78.7	53.5	41.5	36.7	35.9
55°	627.3	490.0	341.0	213.2	126.6	78.3	53.5	41.9	37.1	36.7
57.5°	640.1	499.1	345.4	213.6	125.8	77.9	53.9	42.7	38.3	37.9
60°	651.7	506.7	348.6	213.6	125.0	77.5	54.3	43.5	39.1	38.7
62.5°	660.9	512.7	351.0	213.2	124.6	77.5	55.1	44.7	40.3	39.9
65°	667.3	517.1	352.2	212.4	123.8	77.9	55.9	45.9	41.9	41.5
67.5°	673.2	521.1	353.0	212.0	123.4	78.3	57.1	47.5	43.5	43.1
70°	676.8	523.5	353.4	211.6	123.0	79.1	58.3	49.1	45.5	45.1
72.5°	678.4	525.1	353.8	210.8	123.4	79.9	59.9	50.7	47.5	47.1
73°	*678.8*	*525.1*	*353.4*	*210.8*	*123.4*	*80.3*	*60.3*	*51.5*	*47.9*	*47.5*
75°	679.6	525.1	353.0	210.4	123.8	81.1	61.5	53.1	49.5	49.5
77.5°	678.4	524.3	352.2	210.0	124.2	82.7	63.5	55.1	51.9	51.5
80°	676.0	522.3	351.0	210.0	125.0	84.3	65.9	57.5	54.3	53.9
82.5°	670.9	518.7	349.4	209.6	126.2	86.3	68.3	59.9	57.1	56.7
85°	665.7	514.3	347.0	209.6	127.8	88.6	70.7	62.7	59.9	59.5
87.5°	657.7	509.1	344.6	209.2	129.4	90.6	73.1	65.5	62.3	62.3
90°	648.5	503.5	342.2	209.6	131.0	93.4	76.3	68.7	65.5	65.1
92.5°	639.3	497.1	339.4	210.4	133.8	96.2	79.5	71.9	68.7	67.9
95°	626.9	488.4	336.2	210.8	136.2	99.4	82.7	75.1	71.9	71.9
97.5°	614.1	480.4	332.6	212.0	139.4	103.4	87.1	79.1	75.9	75.9
100°	600.6	472.0	330.2	213.2	142.6	107.8	91.0	83.1	79.9	79.9
102.5°	586.2	462.8	327.8	215.6	147.3	112.2	95.8	87.8	84.3	84.3
105°	571.4	454.0	325.4	218.4	152.1	117.8	101.0	93.0	89.4	89.4
107.5°	557.0	445.6	323.4	222.0	157.3	123.4	106.2	98.2	94.6	93.8

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

Scaled Data Report

REPORT NUMBER: P1224046
CATALOG NUMBER: FFX-CLB-40-740-U-VM8-T4-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	541.9	436.9	321.8	225.6	163.3	129.8	112.6	103.4	99.4	99.4
112.5°	525.5	427.7	320.7	229.2	169.7	136.2	118.2	109.0	105.0	104.2
115°	508.3	418.5	318.3	233.2	175.3	142.6	124.2	113.8	109.4	109.0
117.5°	491.6	407.7	315.5	236.0	180.5	147.7	129.0	118.6	113.8	113.4
120°	472.0	395.7	310.7	236.8	184.5	151.7	133.0	121.8	117.0	116.2
122.5°	450.4	380.1	303.9	236.0	186.5	154.5	135.4	124.2	118.6	118.2
125°	426.1	363.0	295.1	233.2	186.9	155.7	136.2	124.6	119.4	118.6
127.5°	400.5	345.8	283.5	227.6	184.5	154.9	135.4	123.8	118.2	117.8
130°	374.2	325.4	269.9	220.4	180.5	152.1	133.4	121.8	116.2	115.8
132.5°	347.8	303.9	255.2	210.8	174.9	147.7	129.8	118.6	113.4	112.6
135°	319.5	282.7	240.0	200.9	167.3	143.0	125.4	114.6	109.4	109.0
137.5°	293.5	260.8	224.4	189.7	160.1	136.6	120.6	110.6	106.2	105.4
140°	267.9	239.6	207.6	177.7	150.9	130.2	115.0	106.2	101.8	101.4
142.5°	244.4	220.0	192.9	166.1	142.6	123.8	110.2	101.8	98.2	97.4
145°	220.0	199.7	177.3	154.1	133.4	117.0	105.0	97.4	94.2	93.4
147.5°	198.9	180.9	161.7	142.2	125.0	110.2	99.8	93.4	90.6	90.2
150°	178.9	163.7	146.9	131.0	115.8	103.8	95.0	89.4	87.1	86.7
152.5°	160.9	147.7	134.2	120.6	107.8	98.2	90.6	85.9	83.9	83.9
155°	144.2	133.4	122.6	111.4	101.4	93.4	87.5	83.5	81.9	81.5
157.5°	129.8	121.4	112.6	103.4	95.8	89.0	84.3	81.5	79.9	79.9
160°	117.4	111.0	103.8	97.0	91.0	85.5	81.9	79.5	78.3	78.3
162.5°	107.4	102.2	96.6	91.4	86.3	82.7	79.9	78.3	77.5	77.5
165°	99.0	95.4	91.4	87.1	83.5	80.7	78.7	77.5	77.1	77.1
167.5°	93.0	89.8	86.7	83.9	81.5	79.1	77.9	77.1	77.1	76.7
170°	87.8	85.9	83.1	81.1	79.1	77.9	77.1	76.7	76.7	76.3
172.5°	83.9	82.3	80.7	79.1	77.9	77.1	76.7	76.7	76.7	76.7
175°	81.5	80.3	79.1	78.3	77.5	76.7	76.7	77.1	77.1	77.1
177.5°	79.5	79.1	78.3	77.9	77.5	77.5	77.5	77.9	78.3	78.3
180°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5

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

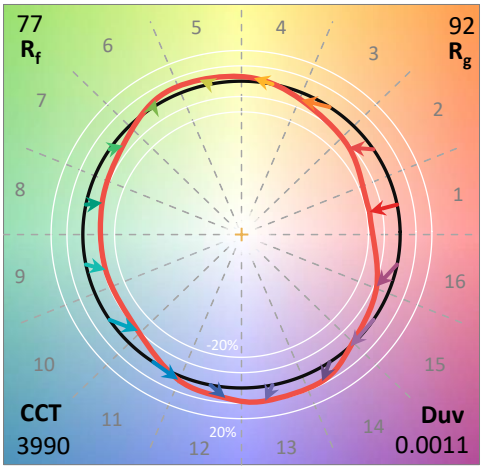
Test Information

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

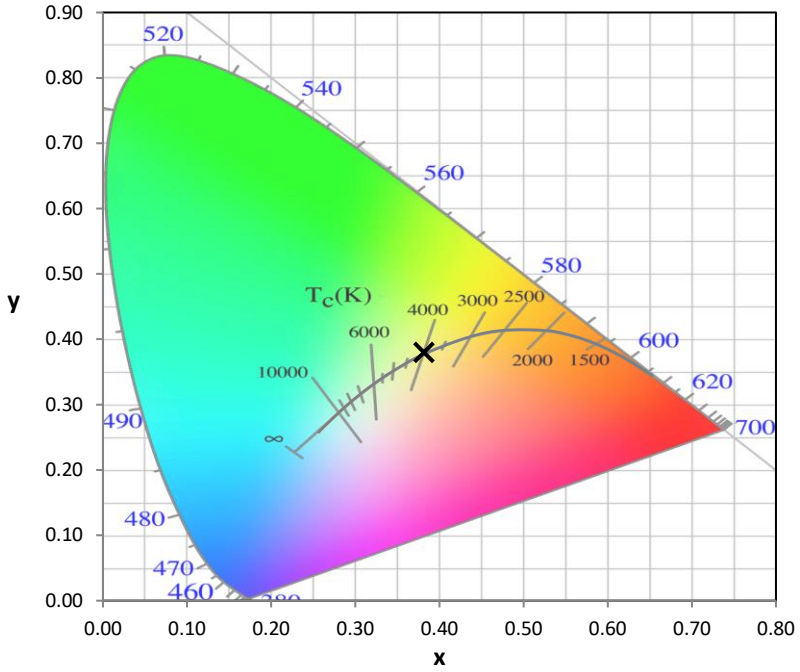
Stabilization Time:	70M
Operation Time:	2H 10M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-332-1

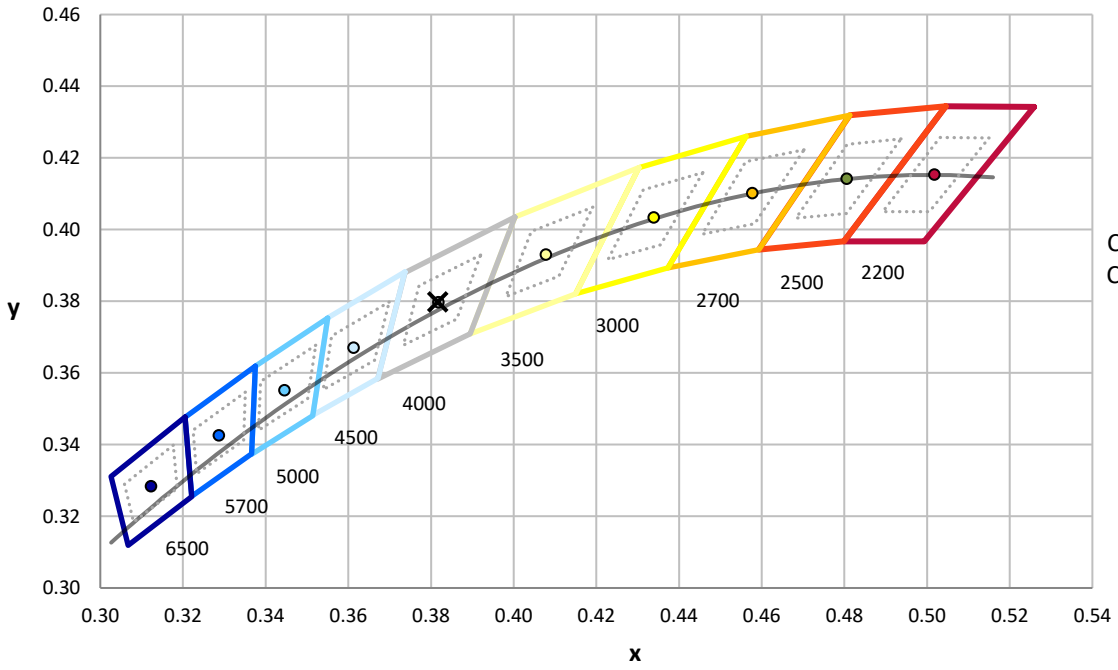
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

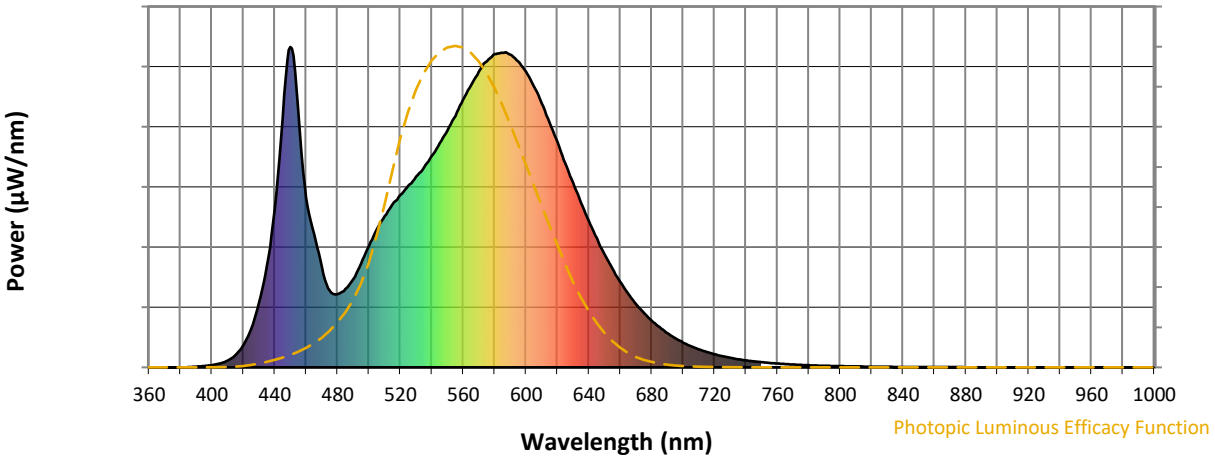


CCT = 3990K
CIE x = 0.3816
CIE y = 0.3798
Duv = 0.0011

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-1

Photopic Flux vs. Wavelength

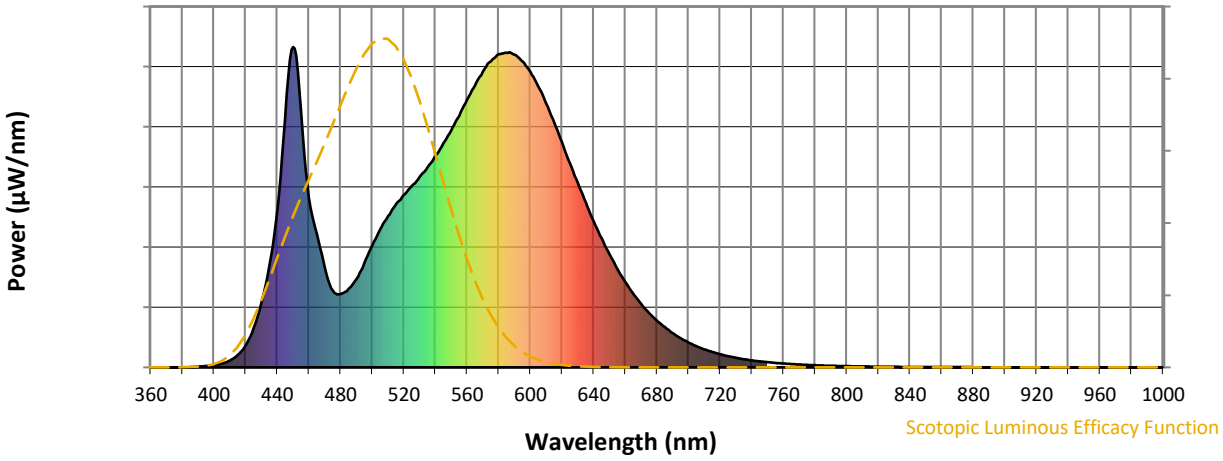


Photopic Lumens: NR

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

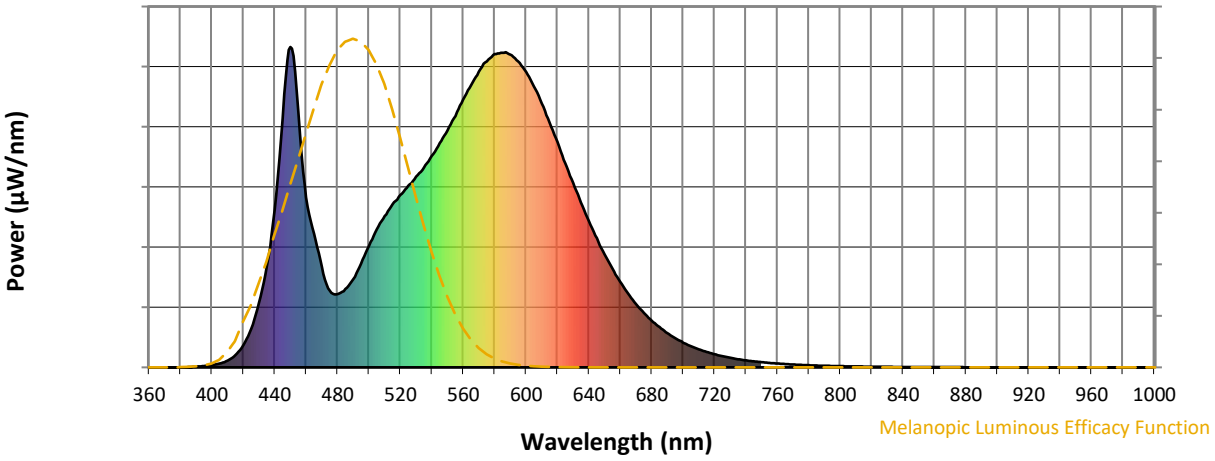


Scotopic Lumens: NR **S/P: 1.59**

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			

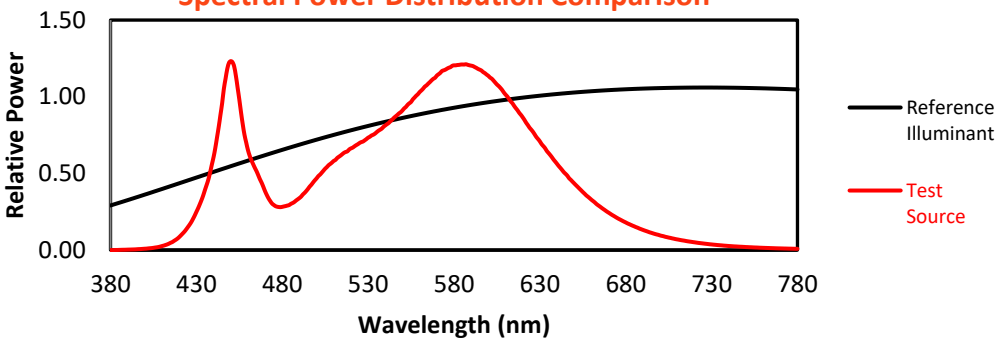
REPORT NUMBER: SP1-2501-332-1

TM-30-18

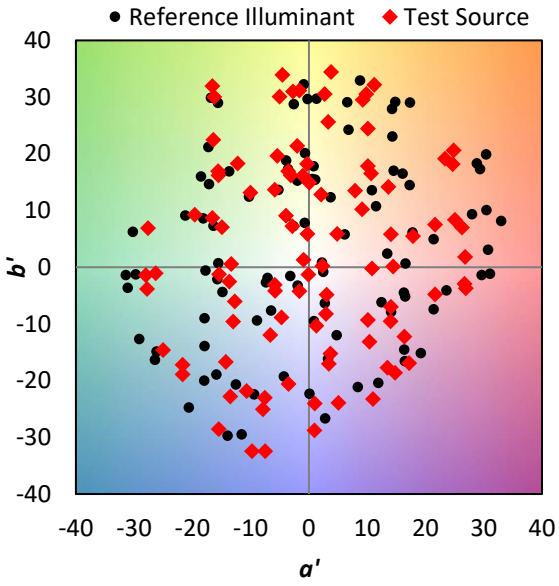
Summary

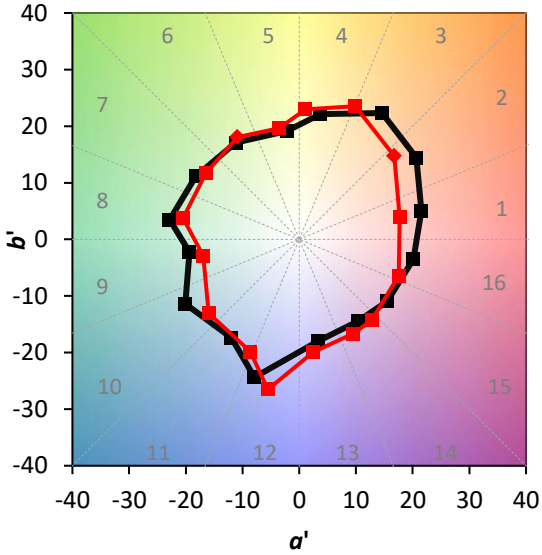
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R_g = 91.9
CIE R_a = 73.9
R_9 = -36.4

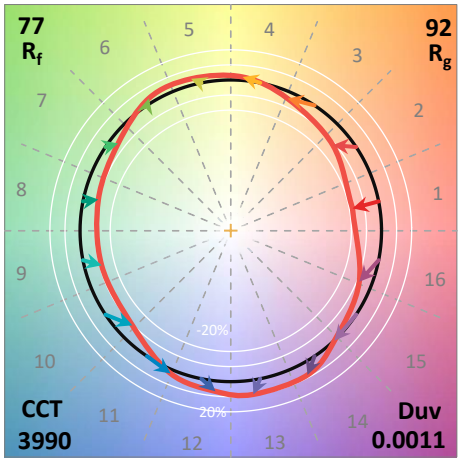
Spectral Power Distribution Comparison

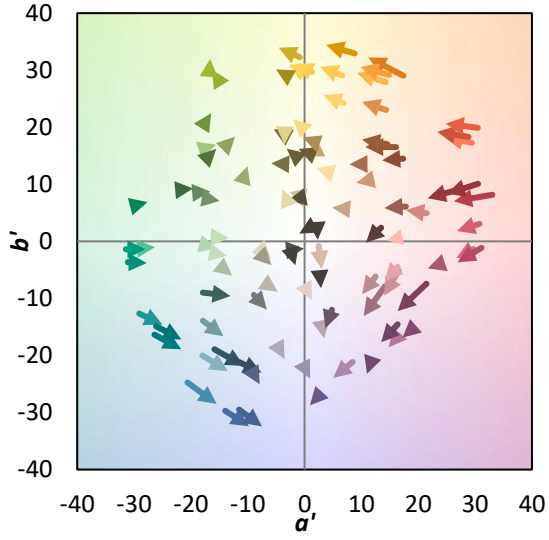


Color Vector Graphics







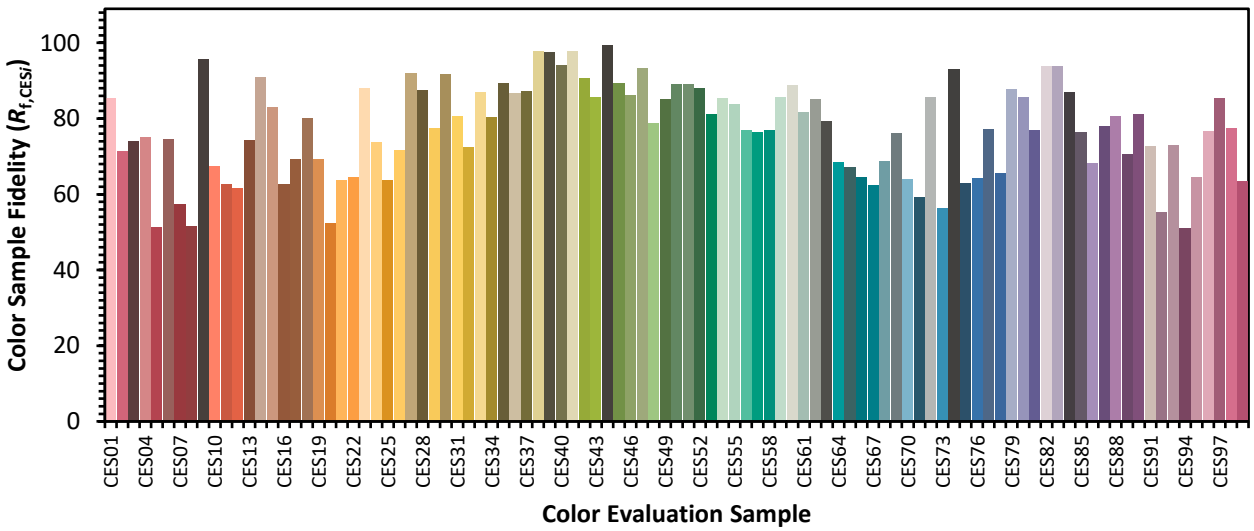


REPORT NUMBER: SP1-2501-332-1

TM-30-18

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

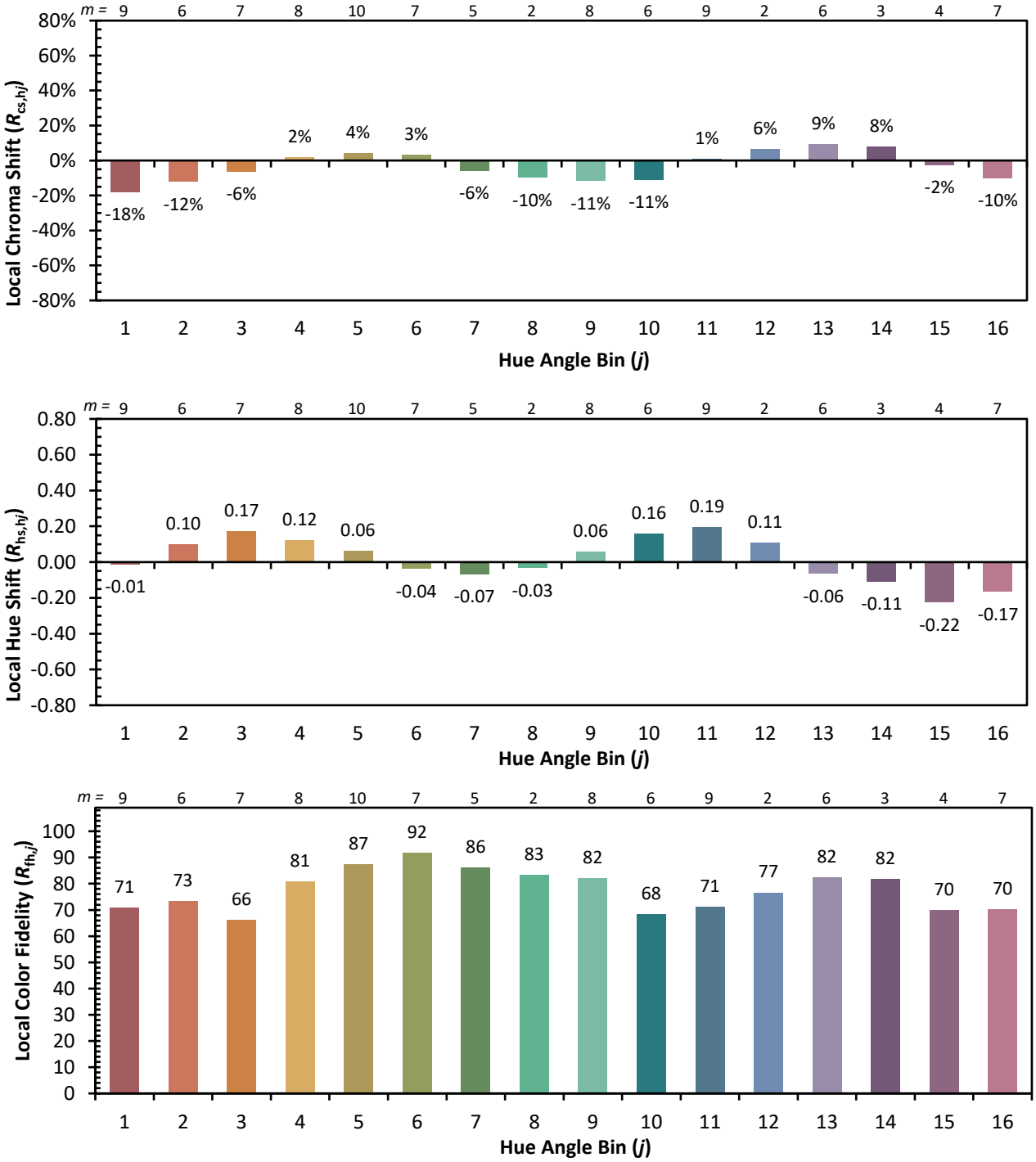
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CES02 = 61	CES27 = 92	CES52 = 88	CES77 = 77
CES03 = 30	CES28 = 88	CES53 = 81	CES78 = 65
CES04 = 70	CES29 = 78	CES54 = 85	CES79 = 88
CES05 = 47	CES30 = 92	CES55 = 84	CES80 = 86
CES06 = 50	CES31 = 81	CES56 = 77	CES81 = 77
CES07 = 40	CES32 = 72	CES57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



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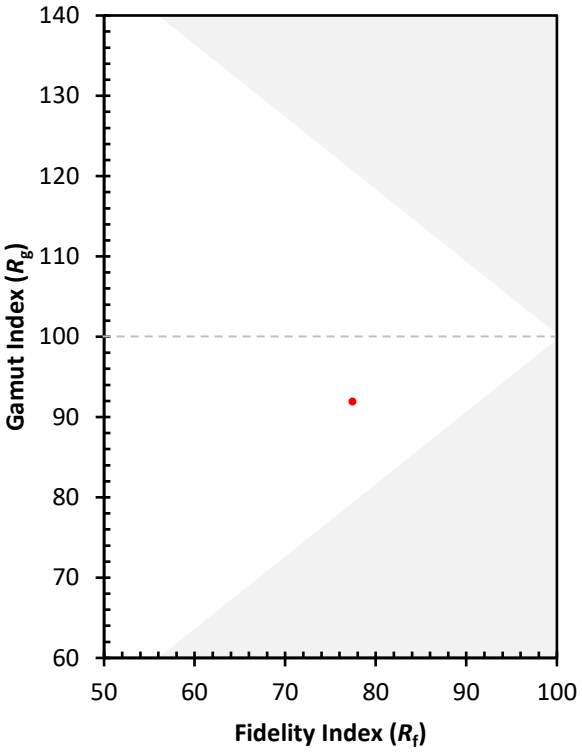
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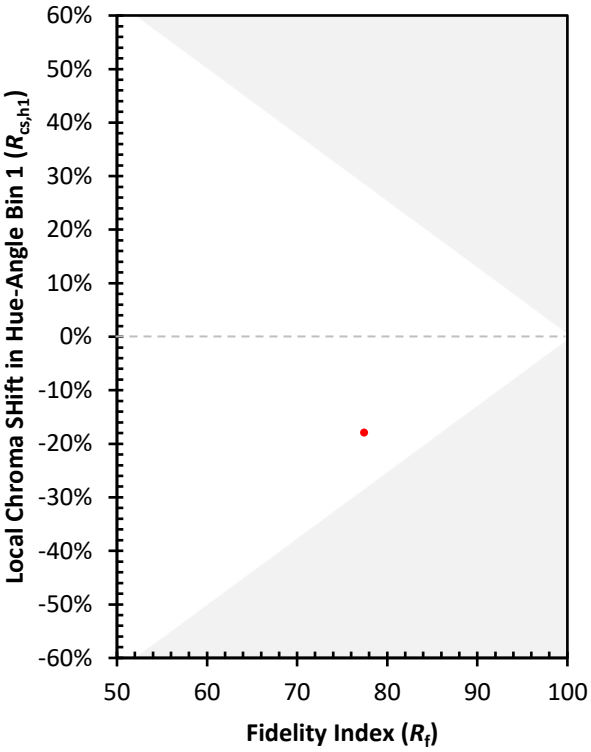


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Measure Comparisons





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