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: P1045997

Luminaire Tested: **FFX-CLB-60-750-U-PG-T5-HSS**

Issue Date: 07/01/2025

Report Generated By 670347003

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:	P1045997
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/01/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	FFX-CLB-60-750-U-PG-T5-HSS
Description:	FAIRFAX POST TOP FIXTURE w/ PRISMATIC GLOBE AND HOUSE SIDE SHIELD
Light Source:	(6) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6858.2 lumens
Efficiency:	N/A
Efficacy:	113.2 lumens/watt
Luminous Opening:	Vertical Cylinder (Dia: 1.33' x H: 2.08')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U5 - G4

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

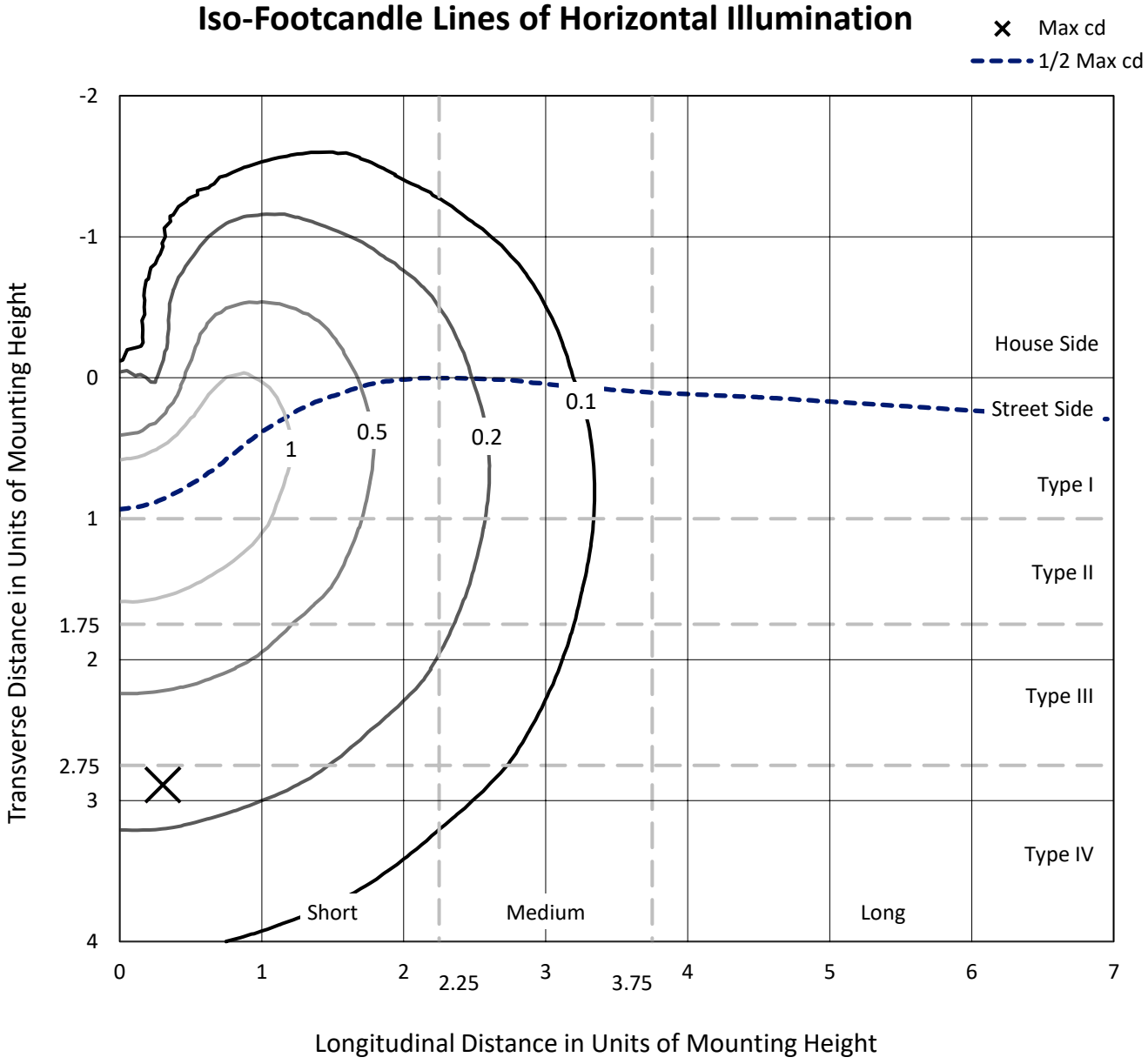


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

Iso-Footcandle Lines of Horizontal Illumination



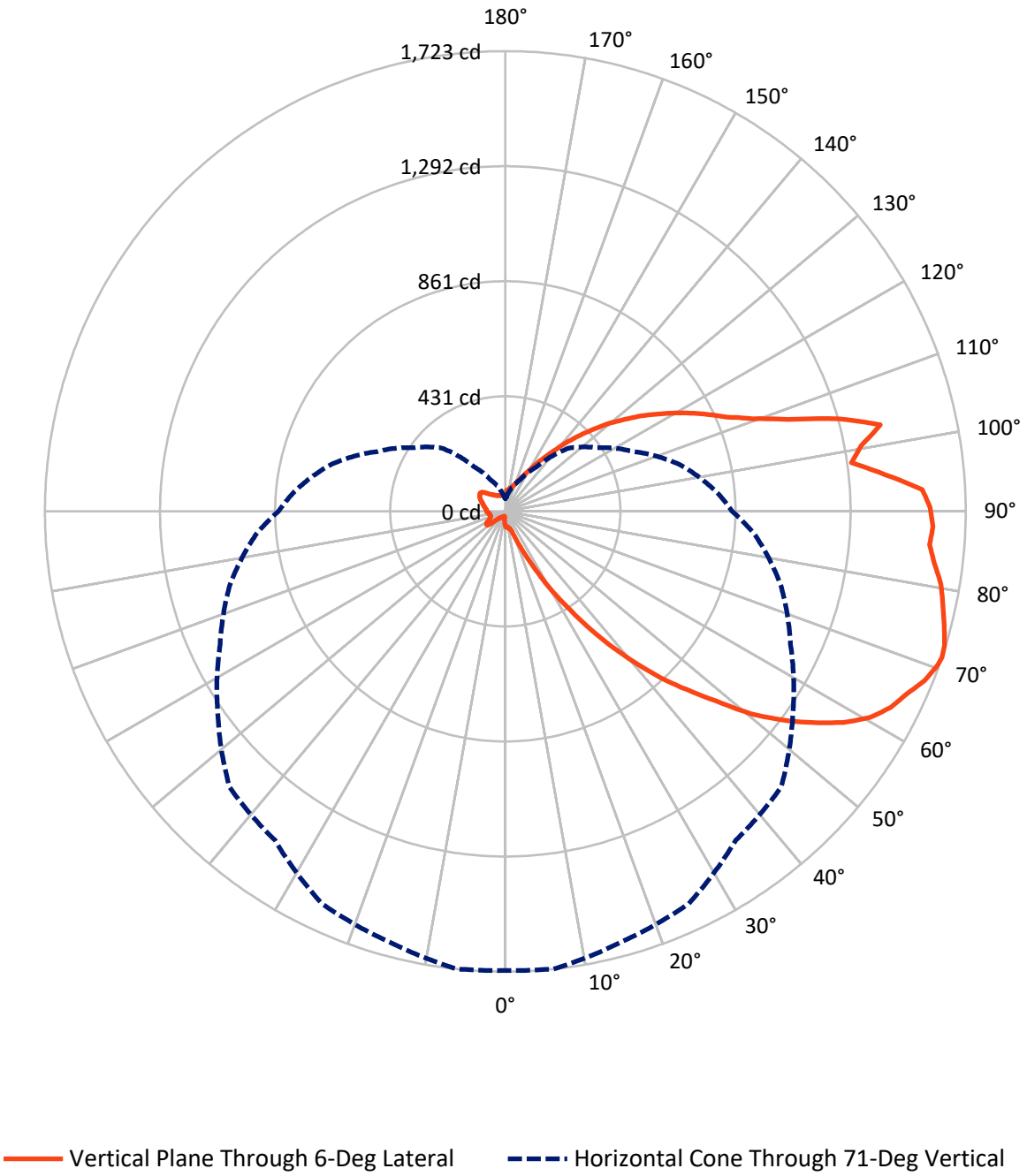
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

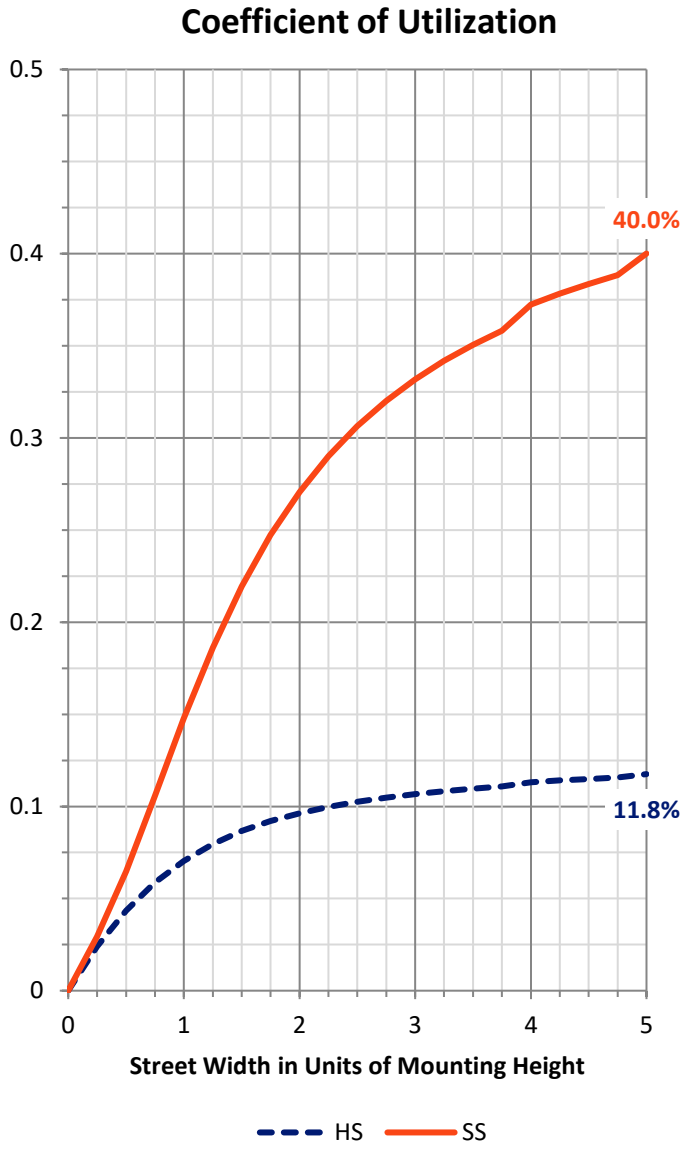
REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	880.7	698.4	1579.0
	% Fixture	12.8	10.2	23.0
Street Side	Lumens	3212.6	2066.6	5279.2
	% Fixture	46.8	30.1	77.0
Total	Lumens	4093.2	2765.0	6858.2
	% Fixture	59.7	40.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	14.3	0.2
20°-30°	65.1	0.9
30°-40°	217.8	3.2
40°-50°	443.7	6.5
50°-60°	682.7	10.0
60°-70°	849.6	12.4
70°-80°	908.6	13.2
80°-90°	907.0	13.2
90°-100°	819.7	12.0
100°-110°	717.0	10.5
110°-120°	488.7	7.1
120°-130°	345.2	5.0
130°-140°	209.2	3.1
140°-150°	106.1	1.5
150°-160°	49.5	0.7
160°-170°	22.7	0.3
170°-180°	7.0	0.1
0°-90°	4093.2	59.7
0°-180°	6858.2	100.0



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

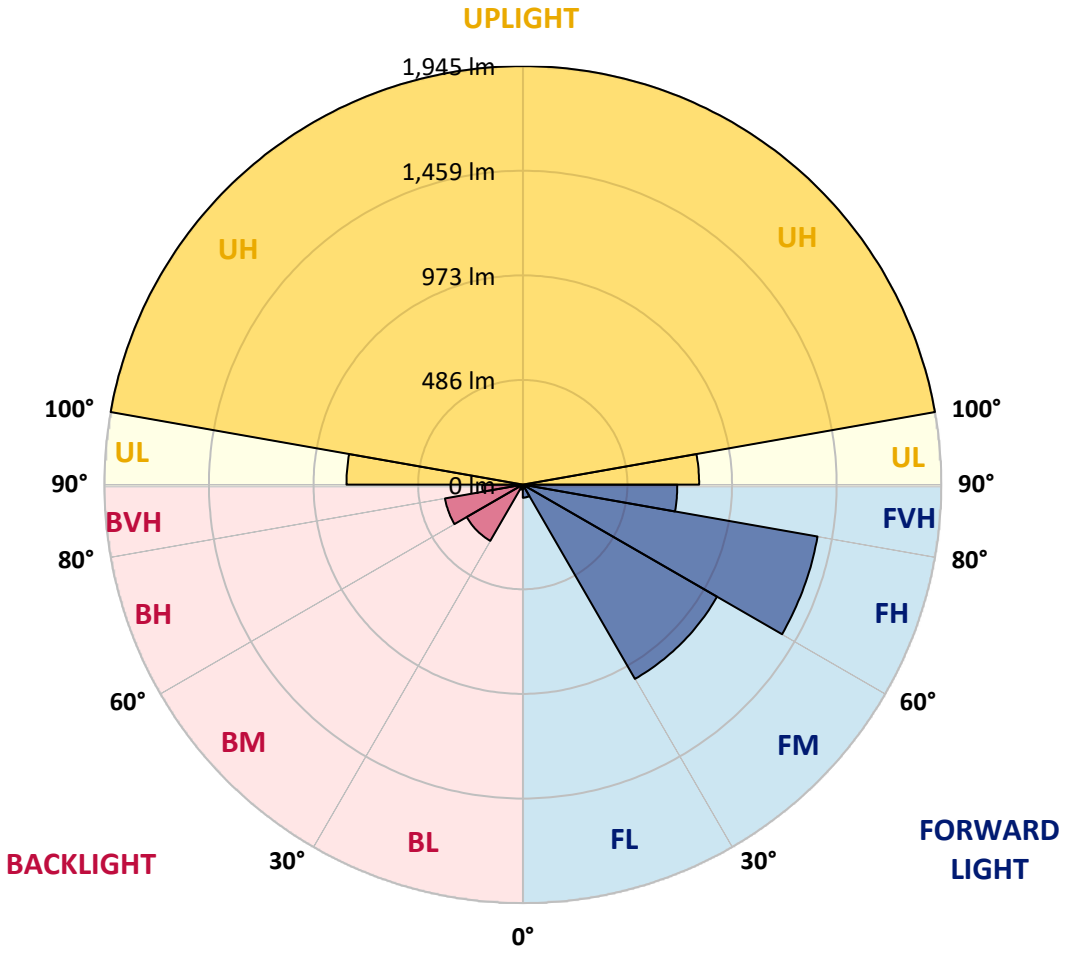
Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	60.7	0.9			
FM	(30°-60°)	1042.6	15.2			
FH	(60°-80°)	1391.0	20.3			G1/1800
FVH	(80°-90°)	718.3	10.5			G4/750
BL	(0°-30°)	23.2	0.3	B0/110		
BM	(30°-60°)	301.6	4.4	B1/1000		
BH	(60°-80°)	367.1	5.4	B1/500		G1/500
BVH	(80°-90°)	188.7	2.8			G2/225
UL	(90°-100°)	819.7	12.0		U4/1000	
UH	(100°-180°)	1945.3	28.4		U5	

BUG Rating: B1-U5-G4
Type IV Short



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

Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
0°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
2.5°	60.3	60.3	60.3	60.3	60.3	60.3	59.6	58.1	57.3	56.6	55.9
5°	57.3	57.3	57.3	57.3	57.3	57.3	57.3	56.6	55.9	54.4	52.9
7.5°	57.3	57.3	57.3	57.3	56.6	55.9	55.1	54.4	53.6	50.6	47.7
10°	62.6	63.3	62.6	62.6	60.3	58.1	56.6	54.4	52.9	51.4	47.7
12.5°	66.3	66.3	66.3	65.5	64.1	62.6	59.6	55.9	52.9	49.9	46.9
15°	68.5	68.5	68.5	68.5	67.0	64.8	62.6	59.6	56.6	52.9	49.2
17.5°	77.5	77.5	77.5	76.7	75.2	73.7	72.2	70.8	68.5	64.8	61.1
20°	102.0	104.3	103.5	101.3	99.8	98.3	99.1	97.6	96.1	90.9	84.9
22.5°	141.5	144.5	143.7	144.5	142.3	140.8	140.0	141.5	138.5	131.1	119.9
25°	198.9	198.9	196.6	202.6	203.3	195.9	197.4	196.6	194.4	181.0	163.1
27.5°	262.9	261.4	260.7	270.4	271.8	268.9	271.8	266.6	259.2	244.3	221.9
30°	337.4	343.3	346.3	347.8	352.3	355.3	359.0	354.5	334.4	316.5	285.2
32.5°	432.0	428.2	427.5	443.1	451.3	452.1	461.0	448.4	426.0	392.5	351.5
35°	536.2	527.3	528.8	538.5	551.9	561.6	568.3	543.7	520.6	476.7	423.0
37.5°	634.5	635.3	634.5	638.3	663.6	666.6	668.1	640.5	607.0	561.6	494.5
40°	735.1	736.6	740.3	752.2	779.0	773.8	761.9	737.3	694.1	642.7	563.8
42.5°	838.6	848.3	850.5	856.5	875.1	873.6	853.5	826.0	776.1	712.0	623.4
45°	949.6	948.1	951.8	960.0	974.9	974.9	939.2	898.9	844.6	772.3	677.0
47.5°	1054.6	1065.8	1059.1	1079.2	1071.7	1076.9	1015.9	966.7	907.1	821.5	721.7
50°	1187.2	1193.1	1190.9	1188.7	1166.3	1166.3	1103.8	1037.5	970.4	869.2	766.4
52.5°	1299.6	1301.9	1298.1	1289.2	1257.9	1247.5	1173.8	1097.1	1026.3	925.0	809.6
55°	1403.9	1389.0	1395.7	1381.6	1332.4	1321.2	1251.2	1142.5	1075.5	965.2	846.8
57.5°	1480.6	1488.8	1491.0	1460.5	1411.4	1365.9	1319.0	1196.9	1112.7	1003.2	871.4
60°	1546.2	1568.5	1567.0	1520.8	1477.6	1396.5	1370.4	1244.5	1137.3	1036.7	898.2
62.5°	1595.3	1619.1	1617.7	1580.4	1541.7	1427.7	1398.7	1272.8	1152.2	1053.9	918.3
65°	1643.7	1654.9	1649.7	1634.8	1588.6	1456.8	1425.5	1285.5	1164.8	1061.3	925.8
67.5°	1692.9	1692.1	1691.4	1670.5	1620.6	1483.6	1447.1	1304.1	1177.5	1069.5	931.0
70°	1717.5	1718.9	1718.2	1674.3	1628.1	1501.5	1459.0	1313.8	1180.5	1069.5	935.4
71°	1718.9	1721.2	1722.7	1669.8	1621.4	1503.0	1459.8	1313.8	1177.5	1067.3	933.2
72.5°	1708.5	1719.7	1718.2	1658.6	1611.7	1500.7	1454.5	1307.8	1173.0	1058.3	926.5
75°	1685.4	1705.5	1696.6	1636.3	1587.1	1485.8	1440.4	1301.9	1161.9	1046.4	920.5
77.5°	1665.3	1688.4	1673.5	1617.7	1573.7	1475.4	1432.9	1303.4	1153.7	1039.0	918.3
80°	1651.9	1664.6	1652.7	1606.5	1562.5	1463.5	1427.7	1304.1	1151.4	1035.2	911.6
82.5°	1631.8	1626.6	1618.4	1581.9	1537.2	1441.9	1406.9	1292.2	1146.2	1027.8	904.2
85°	1613.9	1592.3	1592.3	1559.6	1514.1	1424.8	1382.3	1278.0	1137.3	1020.3	895.2
87.5°	1624.4	1595.3	1601.3	1570.0	1520.1	1427.0	1377.8	1276.5	1141.0	1021.8	890.0
90°	1613.9	1586.4	1589.4	1556.6	1498.5	1403.9	1344.3	1246.8	1117.2	1001.0	871.4
92.5°	1596.1	1567.0	1562.5	1529.0	1470.2	1380.8	1318.3	1227.4	1098.5	984.6	864.7
95°	1458.3	1437.4	1428.5	1404.6	1359.2	1281.0	1231.9	1144.7	1016.6	912.4	808.8
97.5°	1316.8	1320.5	1307.8	1279.5	1229.6	1168.6	1114.2	1030.8	922.8	832.7	732.1
100°	1372.6	1367.4	1354.7	1316.8	1264.6	1196.1	1132.1	1051.6	946.6	865.4	754.5
102.5°	1433.7	1445.6	1440.4	1392.7	1333.9	1278.8	1230.4	1149.9	1034.5	948.8	830.4
105°	1266.9	1290.7	1295.9	1258.7	1215.5	1169.3	1126.8	1070.2	970.4	882.6	789.5
107.5°	1104.5	1108.2	1112.0	1083.6	1062.1	1021.1	978.6	927.2	851.3	784.2	693.4

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

Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	6°	15°	25°	35°	45°	55°	65°	75°	85°
110°	992.0	995.8	*989.8*	977.9	955.5	924.3	877.3	841.6	775.3	718.7	636.0
112.5°	902.7	906.4	*901.9*	887.0	866.9	842.3	793.2	763.4	706.8	653.9	579.4
115°	845.3	849.8	*842.3*	826.7	809.6	796.2	753.7	709.8	658.4	611.5	547.4
117.5°	791.0	799.9	*782.8*	778.3	765.6	752.2	703.8	665.1	620.4	577.9	526.6
120°	731.4	738.8	*724.7*	719.5	712.0	698.6	653.2	618.2	582.4	544.4	495.3
122.5°	683.7	673.3	*666.6*	666.6	657.6	648.7	601.8	572.7	544.4	512.4	461.8
125°	629.3	615.2	*612.2*	617.4	606.2	594.3	557.1	531.0	509.4	477.4	427.5
127.5°	568.3	554.9	*554.9*	557.1	550.4	538.5	513.9	492.3	478.9	444.6	394.7
130°	510.9	503.5	*505.0*	499.7	493.0	483.4	465.5	449.8	438.7	404.4	368.7
132.5°	442.4	450.6	*450.6*	441.7	440.2	432.7	418.6	411.1	394.0	365.7	335.9
135°	394.0	400.7	*399.9*	391.8	391.0	386.5	376.1	369.4	353.0	329.2	304.6
137.5°	353.0	353.0	*351.5*	346.3	343.3	342.6	332.9	326.2	310.6	294.2	274.1
140°	312.8	306.1	*303.9*	304.6	300.1	299.4	291.2	283.0	275.6	259.9	243.5
142.5°	271.1	266.6	*264.4*	261.4	259.9	257.7	252.5	245.8	238.3	227.9	213.0
145°	231.6	231.6	*230.1*	227.2	227.2	224.2	219.0	215.2	208.5	197.4	185.4
147.5°	201.1	198.9	*198.9*	198.1	195.9	194.4	189.9	184.7	180.2	171.3	160.1
150°	172.8	172.8	*171.3*	172.8	171.3	169.1	166.1	161.6	156.4	149.7	140.8
152.5°	150.4	151.2	*149.7*	151.9	150.4	149.0	145.2	142.3	136.3	130.3	124.4
155°	134.1	134.8	*134.1*	133.3	133.3	131.1	129.6	125.1	121.4	116.2	111.0
157.5°	119.2	119.9	*119.9*	119.9	119.9	117.7	114.7	111.7	108.7	104.3	99.8
160°	109.5	108.7	*108.7*	108.0	107.2	106.5	104.3	101.3	99.1	95.3	91.6
162.5°	99.8	99.8	*99.8*	99.1	98.3	97.6	96.1	93.1	90.9	87.9	84.9
165°	93.1	93.1	*93.1*	93.1	91.6	90.9	89.4	87.1	85.6	82.7	79.7
167.5°	88.6	88.6	*88.6*	87.9	87.1	86.4	85.6	83.4	81.9	79.7	77.5
170°	84.9	84.9	*84.9*	84.9	84.2	82.7	81.9	80.4	78.9	77.5	75.2
172.5°	81.2	81.2	*81.2*	81.2	80.4	80.4	79.7	78.2	77.5	75.2	74.5
175°	78.2	78.2	*78.2*	78.2	77.5	77.5	76.7	76.0	75.2	74.5	73.0
177.5°	76.0	76.0	*76.0*	76.0	75.2	75.2	75.2	74.5	73.7	73.0	73.0
180°	73.0	73.0	*73.0*	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0

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

Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
2.5°	55.9	55.9	54.4	53.6	52.9	51.4	49.9	47.7	47.7	47.7	46.9
5°	52.1	51.4	49.9	47.7	46.9	46.2	44.7	41.7	38.0	35.0	35.0
7.5°	48.4	44.7	41.0	39.5	37.2	33.5	29.8	25.3	20.1	19.4	19.4
10°	45.4	43.2	38.7	35.0	31.3	30.5	27.6	23.1	20.9	18.6	18.6
12.5°	44.7	43.2	38.0	33.5	29.0	26.8	24.6	22.3	20.1	18.6	18.6
15°	46.9	45.4	40.2	35.0	29.8	26.8	23.8	21.6	20.9	20.1	20.1
17.5°	58.8	56.6	49.2	41.0	34.3	29.8	26.1	23.8	23.1	22.3	22.3
20°	79.7	76.0	65.5	54.4	43.9	34.3	29.0	25.3	24.6	23.8	23.8
22.5°	113.2	106.5	88.6	71.5	55.9	43.2	33.5	26.8	24.6	23.8	23.8
25°	154.2	145.2	119.2	93.8	70.8	55.1	41.0	30.5	24.6	23.1	23.1
27.5°	208.5	192.9	157.9	125.9	94.6	70.0	51.4	36.5	26.8	23.1	22.3
30°	265.9	246.5	201.8	159.4	119.9	87.9	63.3	43.9	30.5	23.1	22.3
32.5°	328.4	302.4	253.2	200.3	149.0	108.7	77.5	51.4	35.0	24.6	23.1
35°	392.5	363.5	302.4	243.5	178.7	129.6	92.4	59.6	38.0	26.1	24.6
37.5°	457.3	424.5	358.2	282.3	207.8	151.2	107.2	68.5	41.0	27.6	26.1
40°	522.1	482.6	409.6	318.8	236.1	172.8	121.4	76.0	43.2	29.8	29.0
42.5°	572.7	532.5	452.1	349.3	265.9	192.2	135.5	81.9	45.4	33.5	32.0
45°	618.9	576.5	487.8	376.9	289.0	215.2	151.9	91.6	49.9	38.0	36.5
47.5°	665.8	624.1	525.1	403.7	311.3	238.3	171.3	102.0	61.8	49.2	48.4
50°	706.8	660.6	565.3	440.2	339.6	259.9	191.4	114.7	73.0	71.5	72.2
52.5°	746.3	700.1	599.5	467.0	359.0	286.0	210.8	119.9	82.7	84.2	85.6
55°	790.2	736.6	627.1	487.8	370.2	303.1	221.9	124.4	91.6	85.6	84.2
57.5°	820.0	758.2	649.4	510.9	382.1	313.6	222.7	129.6	99.1	82.7	80.4
60°	840.1	770.1	661.4	523.6	398.5	323.2	220.5	130.3	103.5	76.0	69.3
62.5°	853.5	785.7	671.8	526.6	411.1	330.7	219.7	127.4	102.0	67.8	62.6
65°	859.5	799.1	681.5	528.0	413.4	335.9	219.7	125.9	99.8	59.6	53.6
67.5°	859.5	803.6	685.2	531.0	411.9	337.4	213.0	130.3	96.8	56.6	49.2
70°	855.0	801.4	680.0	530.3	414.8	335.9	205.6	130.3	92.4	56.6	46.9
71°	*849.0*	*796.9*	*676.3*	*529.5*	*415.6*	*334.4*	*202.6*	*129.6*	*90.1*	*55.1*	*47.7*
72.5°	840.9	790.2	669.6	528.0	413.4	329.9	196.6	130.3	87.9	54.4	48.4
75°	831.9	785.0	664.3	522.1	412.6	323.2	186.2	128.1	87.1	55.1	49.9
77.5°	828.9	785.7	661.4	520.6	412.6	319.5	178.7	126.6	85.6	55.9	52.9
80°	822.2	784.2	655.4	516.9	411.1	312.8	176.5	126.6	84.2	56.6	54.4
82.5°	815.5	780.5	650.2	513.2	408.9	303.9	174.3	125.9	82.7	58.8	57.3
85°	809.6	779.8	650.2	510.9	408.1	298.7	173.5	125.1	81.9	61.1	59.6
87.5°	809.6	783.5	656.9	516.9	414.8	298.7	176.5	126.6	82.7	64.1	63.3
90°	794.7	767.1	646.5	513.2	417.1	299.4	179.5	130.3	85.6	67.0	65.5
92.5°	790.2	759.7	643.5	516.9	420.1	299.4	183.2	134.1	87.9	68.5	67.0
95°	741.1	706.8	605.5	490.8	401.4	291.2	184.7	133.3	89.4	69.3	68.5
97.5°	672.5	635.3	540.0	436.4	355.3	261.4	168.3	125.1	88.6	71.5	70.0
100°	695.6	651.7	551.9	443.9	349.3	256.2	165.3	121.4	90.9	74.5	73.0
102.5°	759.7	712.0	607.0	491.6	380.6	283.0	184.7	128.8	95.3	78.2	76.0
105°	721.7	668.8	586.1	475.9	370.9	283.0	185.4	131.1	99.8	81.2	79.7
107.5°	637.5	588.4	516.1	423.8	339.6	261.4	175.8	127.4	103.5	84.9	82.7

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

Scaled Data Report

REPORT NUMBER: P1045997
CATALOG NUMBER: FFX-CLB-60-750-U-PG-T5-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	589.1	536.2	470.0	386.5	315.8	242.8	169.1	125.1	105.8	89.4	86.4
112.5°	537.7	492.3	428.2	355.3	294.2	224.2	164.6	124.4	107.2	93.8	90.9
115°	508.7	461.8	406.6	335.9	280.0	218.2	163.1	128.1	112.5	99.8	96.8
117.5°	483.4	444.6	395.5	321.0	270.4	216.0	166.1	132.6	116.2	105.0	101.3
120°	457.3	421.5	376.9	309.1	262.2	208.5	166.8	134.8	119.2	109.5	107.2
122.5°	441.7	401.4	357.5	298.7	252.5	203.3	166.1	137.8	119.9	111.7	111.7
125°	412.6	380.6	336.6	285.2	238.3	200.3	166.1	136.3	122.1	114.7	113.2
127.5°	380.6	359.7	315.8	270.4	228.6	192.9	161.6	136.3	121.4	114.7	114.7
130°	350.8	332.2	296.4	250.2	219.7	182.5	154.9	129.6	116.9	112.5	112.5
132.5°	317.3	305.4	271.8	230.9	201.8	169.8	146.0	119.9	109.5	105.8	105.8
135°	286.7	275.6	244.3	210.0	184.0	157.9	135.5	113.2	100.5	96.1	96.1
137.5°	258.4	248.0	220.5	191.4	167.6	146.0	125.1	106.5	93.8	88.6	89.4
140°	229.4	216.7	198.1	173.5	151.9	134.8	114.7	99.8	87.9	83.4	82.7
142.5°	203.3	193.6	176.5	155.7	137.0	123.6	105.8	93.1	83.4	78.9	78.2
145°	179.5	171.3	156.4	139.3	124.4	111.7	97.6	87.1	78.9	75.2	74.5
147.5°	154.2	149.0	137.8	124.4	111.7	100.5	90.9	81.2	76.0	71.5	70.8
150°	135.5	131.8	122.9	111.7	102.0	93.1	85.6	76.7	72.2	69.3	68.5
152.5°	120.7	116.9	109.5	101.3	93.1	86.4	79.7	73.7	69.3	67.0	66.3
155°	108.0	105.0	99.1	92.4	85.6	79.7	74.5	70.0	67.0	64.8	64.8
157.5°	98.3	95.3	90.9	84.9	79.7	74.5	70.8	67.0	65.5	63.3	63.3
160°	90.1	87.9	84.2	78.9	74.5	70.8	67.8	64.8	64.1	62.6	62.6
162.5°	83.4	81.9	78.2	74.5	71.5	68.5	66.3	64.1	62.6	61.8	61.8
165°	78.9	77.5	75.2	72.2	69.3	67.0	65.5	63.3	62.6	62.6	61.8
167.5°	76.7	75.2	73.0	70.0	67.8	67.0	65.5	64.1	63.3	63.3	62.6
170°	74.5	73.7	72.2	70.0	67.8	67.0	66.3	64.8	64.8	64.1	64.1
172.5°	73.7	73.0	71.5	70.0	68.5	67.8	67.0	66.3	66.3	66.3	65.5
175°	73.0	73.0	71.5	70.0	69.3	69.3	68.5	67.8	67.8	67.8	67.8
177.5°	73.0	72.2	72.2	71.5	70.8	70.8	70.8	70.0	70.0	70.0	70.0
180°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0

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: SP1-2501-332-5

Test Date: 03/25/2025

Luminaire Tested: FFX-CLB-100-750-U-FR-T5

Data in this report applies to families of products including FFX-CLB-100-750-U-FR-T5

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

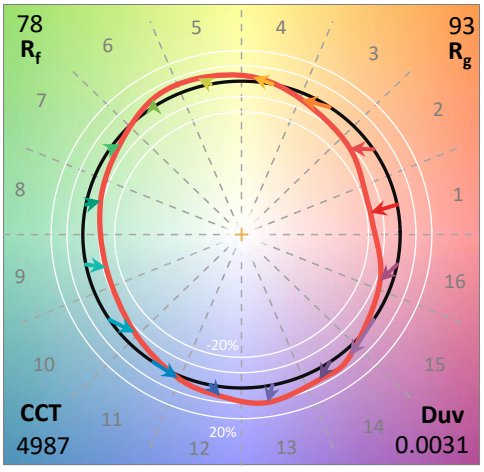
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-332-5
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-100-750-U-FR-T5**
Description:	FAIRFAX ACORN W/ FAIRFAX REFRACTOR 100W T5

Spectral Parameters

CCT (K):	4987	CRI (Ra):	75.8		
CIE u':	0.2094	R1:	71.6	R9:	-30.4
CIE v':	0.4882	R2:	82.8	R10:	59.9
Duv:	0.0031	R3:	91.2	R11:	70.9
CIE x:	0.3461	R4:	73.8	R12:	51.2
CIE y:	0.3586	R5:	73.0	R13:	74.2
CIE z:	0.2954	R6:	76.1	R14:	95.3
Peak Wavelength (nm):	450	R7:	82.9	R15:	63.7
Dominant Wavelength (nm):	570	R8:	54.9		
Purity:	11.4				

Rf:	78.3
Rg:	93.4



Test Conditions

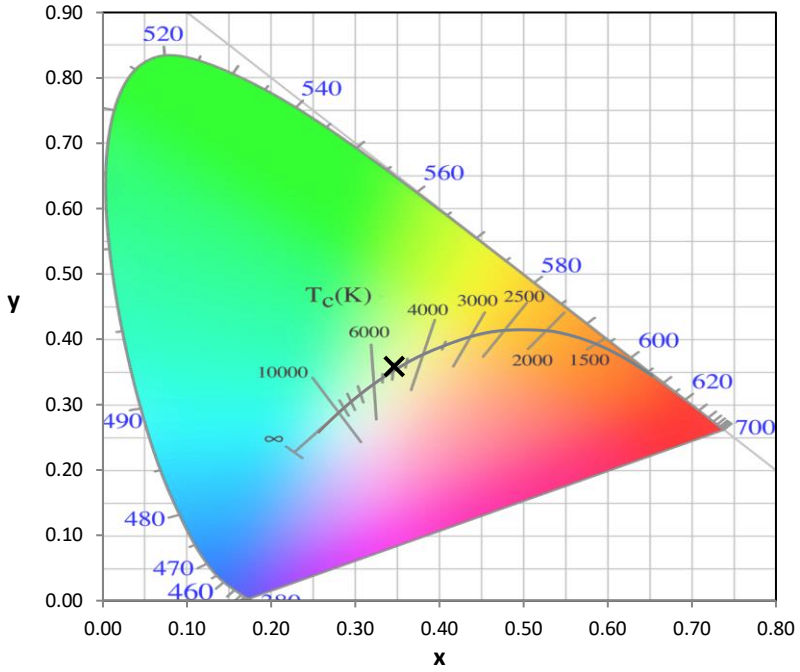
Stabilization Time:	67M
Operation Time:	2H 7M
Sphere Temperature (°C):	24.9

REPORT NUMBER: SP1-2501-332-5

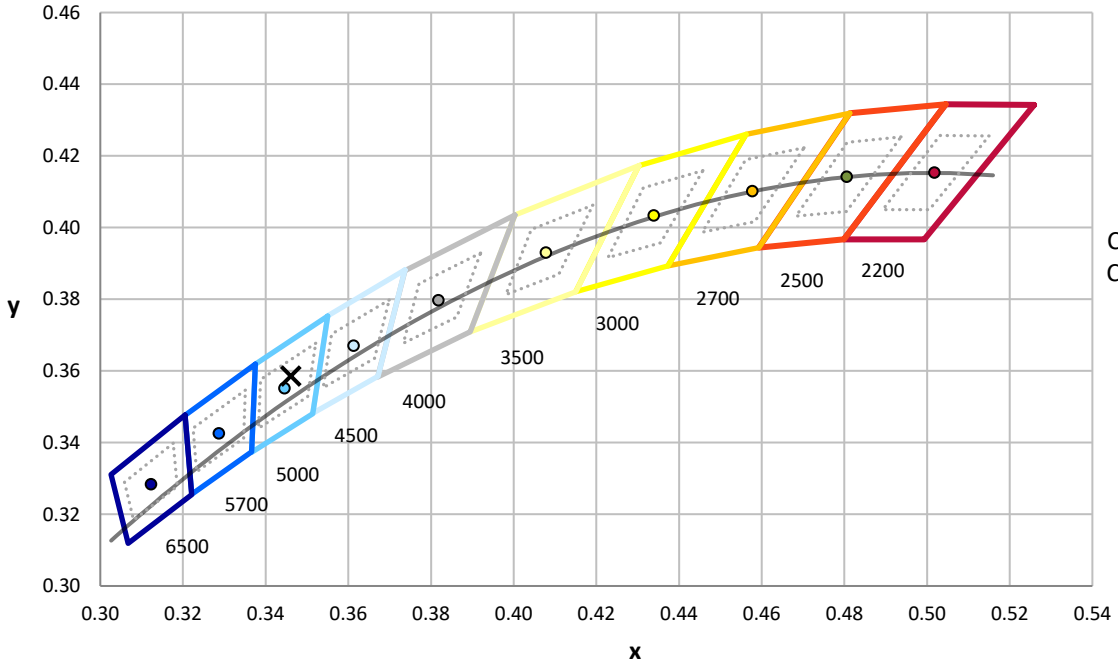
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-332-5

CIE 1931 Chromaticity Diagram



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

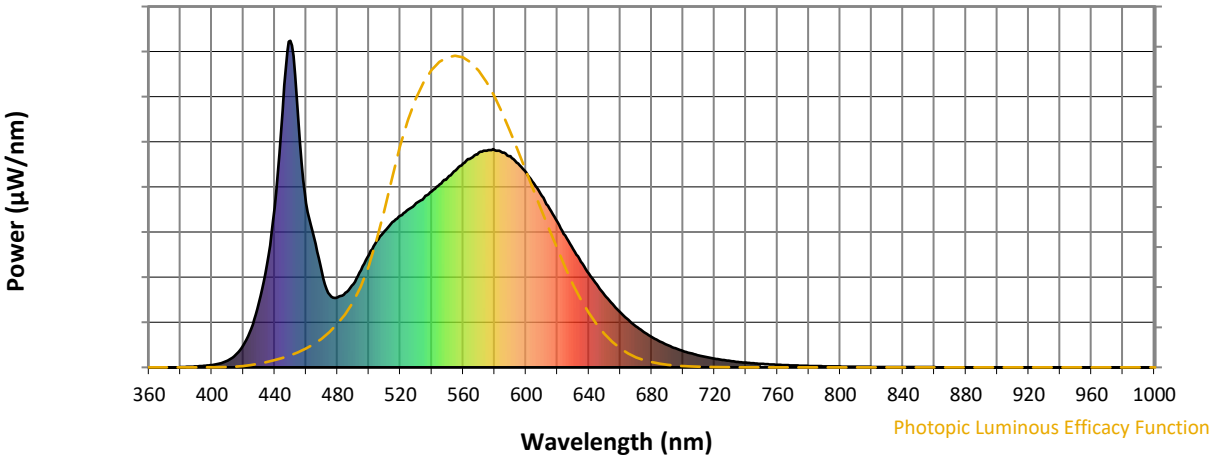


CCT = 4987K
CIE x = 0.3461
CIE y = 0.3586
Duv = 0.0031

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-332-5

Photopic Flux vs. Wavelength

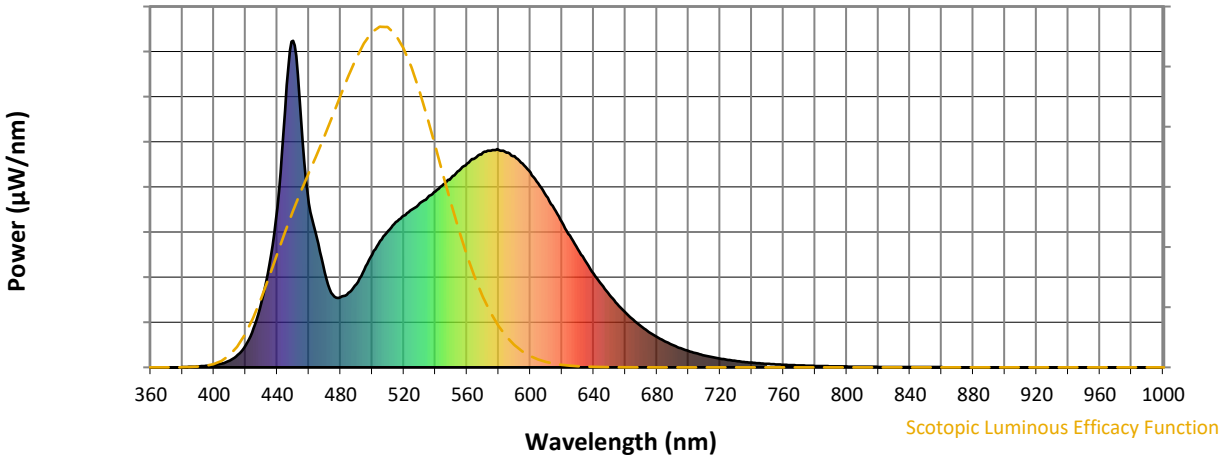


Photopic Lumens: NR

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Scotopic Flux vs. Wavelength

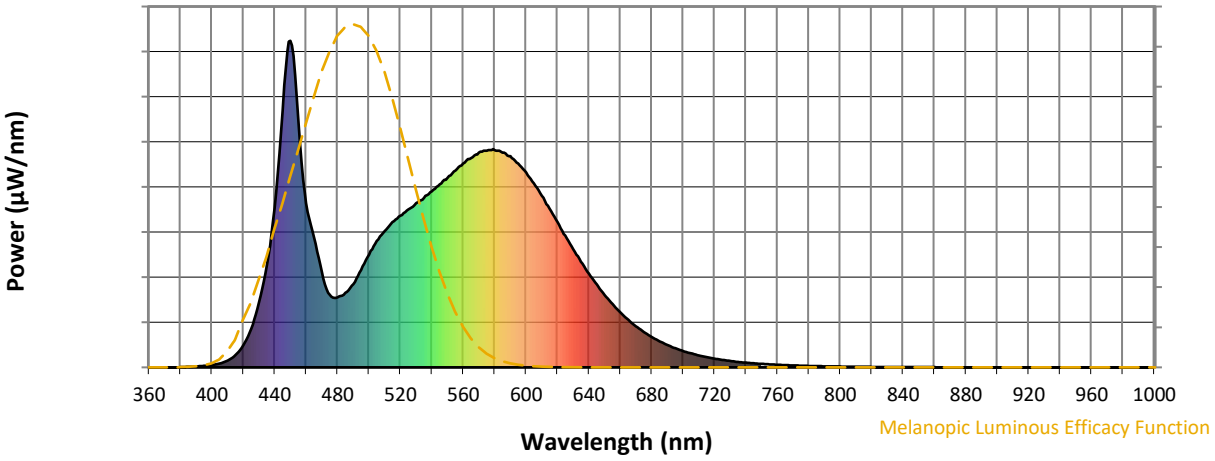


Scotopic Lumens: NR **S/P: 1.87**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-332-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.92**

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	255	NR	620	445	NR	750	11	NR	880	0	NR
365	0	NR	495	298	NR	625	403	NR	755	9	NR	885	0	NR
370	0	NR	500	345	NR	630	362	NR	760	8	NR	890	0	NR
375	0	NR	505	387	NR	635	323	NR	765	7	NR	895	0	NR
380	1	NR	510	417	NR	640	287	NR	770	6	NR	900	0	NR
385	2	NR	515	445	NR	645	254	NR	775	5	NR	905	0	NR
390	3	NR	520	464	NR	650	222	NR	780	4	NR	910	0	NR
395	5	NR	525	483	NR	655	194	NR	785	4	NR	915	0	NR
400	7	NR	530	503	NR	660	168	NR	790	3	NR	920	0	NR
405	12	NR	535	519	NR	665	146	NR	795	3	NR	925	0	NR
410	21	NR	540	539	NR	670	126	NR	800	3	NR	930	0	NR
415	38	NR	545	561	NR	675	108	NR	805	2	NR	935	0	NR
420	68	NR	550	580	NR	680	93	NR	810	2	NR	940	0	NR
425	119	NR	555	602	NR	685	80	NR	815	2	NR	945	0	NR
430	199	NR	560	624	NR	690	69	NR	820	2	NR	950	0	NR
435	315	NR	565	641	NR	695	59	NR	825	1	NR	955	0	NR
440	489	NR	570	657	NR	700	50	NR	830	1	NR	960	0	NR
445	787	NR	575	663	NR	705	43	NR	835	1	NR	965	0	NR
450	1000	NR	580	666	NR	710	36	NR	840	1	NR	970	0	NR
455	757	NR	585	657	NR	715	31	NR	845	1	NR	975	0	NR
460	503	NR	590	646	NR	720	27	NR	850	1	NR	980	0	NR
465	398	NR	595	624	NR	725	23	NR	855	1	NR	985	0	NR
470	290	NR	600	597	NR	730	20	NR	860	1	NR	990	0	NR
475	222	NR	605	564	NR	735	17	NR	865	0	NR	995	0	NR
480	215	NR	610	525	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	486	NR	745	12	NR	875	0	NR			

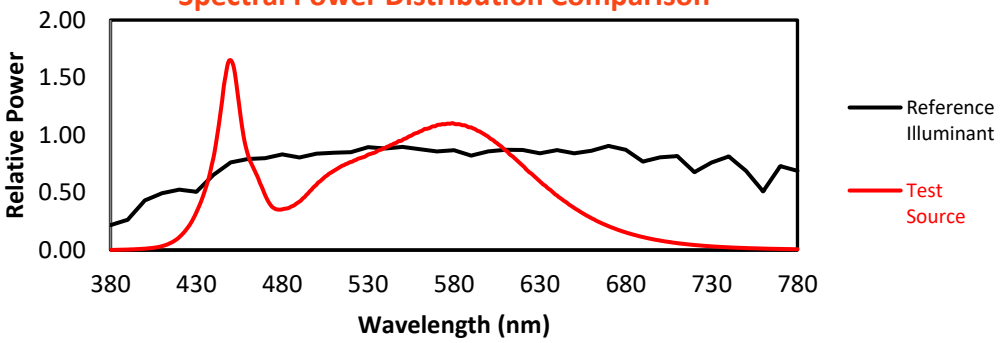
REPORT NUMBER: SP1-2501-332-5

TM-30-18

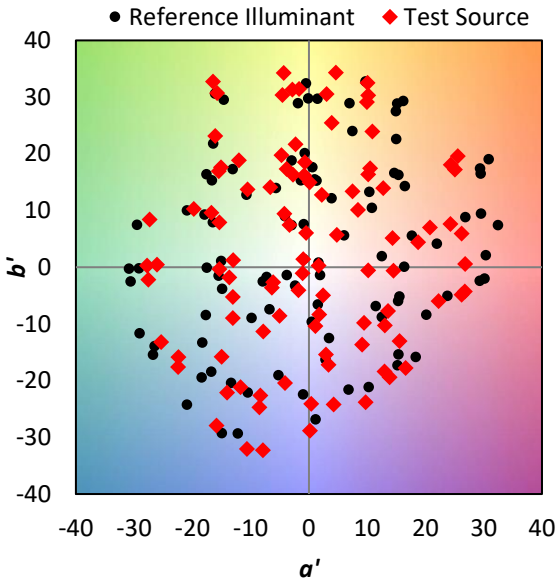
Summary

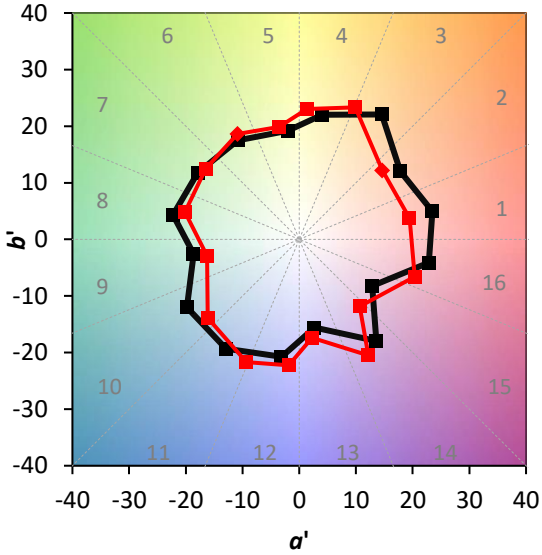
R_f = 78.3
R_g = 93.4
CIE R_a = 75.8
R_9 = -30.4

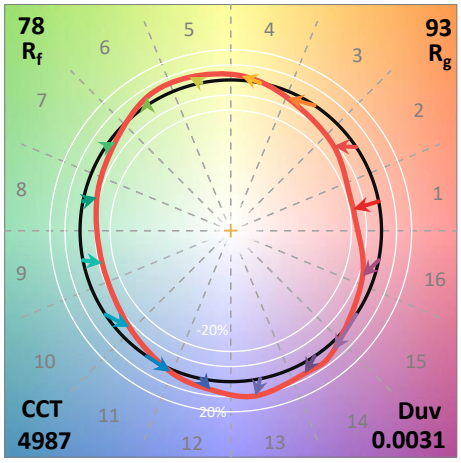
Spectral Power Distribution Comparison

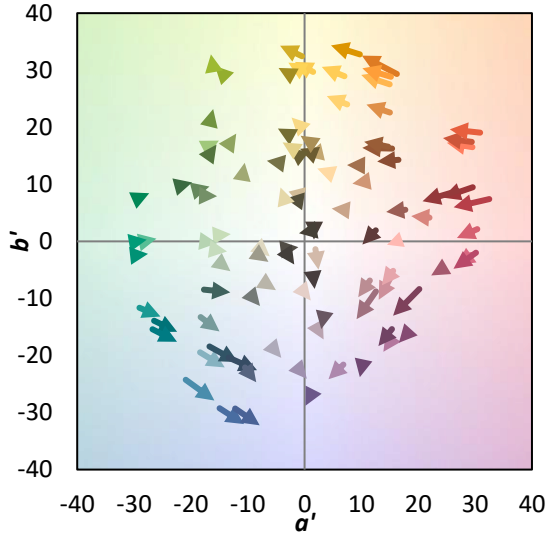


Color Vector Graphics







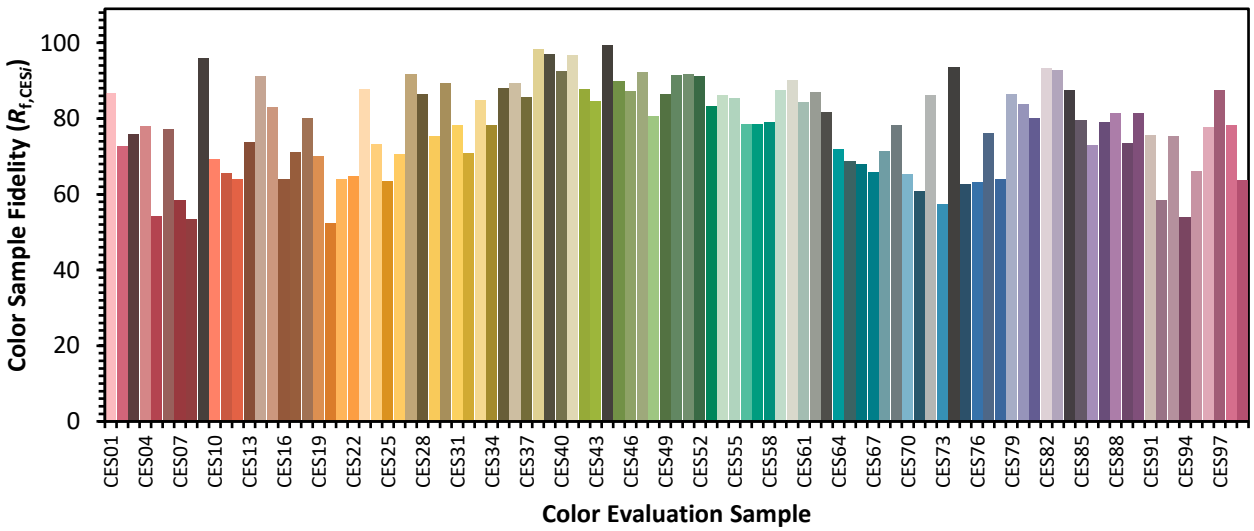


REPORT NUMBER: SP1-2501-332-5

TM-30-18

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

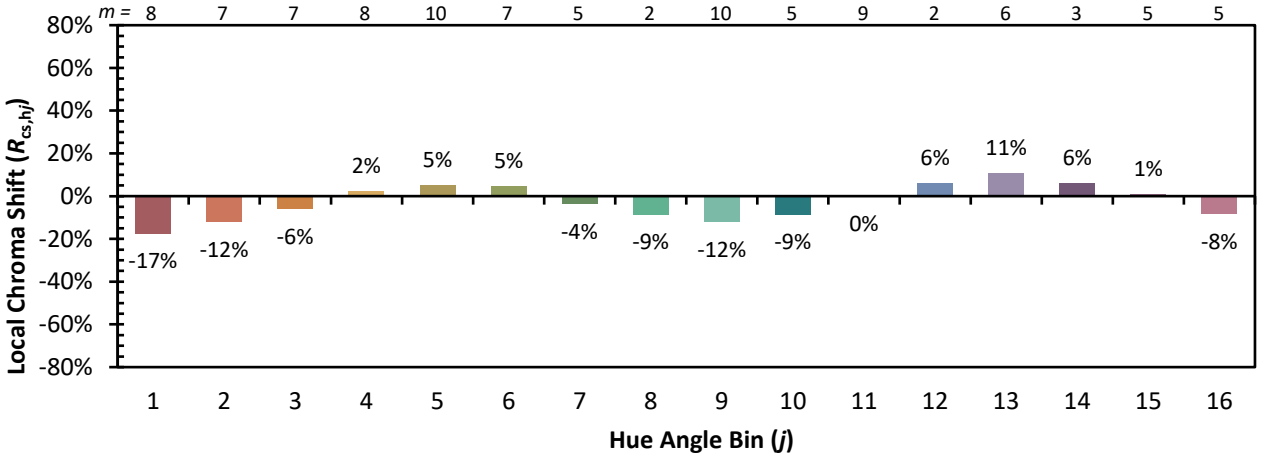
CES01 = 85	CES26 = 71	CES51 = 92	CES76 = 63
CES02 = 60	CES27 = 92	CES52 = 91	CES77 = 76
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 64
CES04 = 69	CES29 = 75	CES54 = 86	CES79 = 86
CES05 = 46	CES30 = 89	CES55 = 85	CES80 = 84
CES06 = 50	CES31 = 78	CES56 = 79	CES81 = 80
CES07 = 39	CES32 = 71	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 85	CES58 = 79	CES83 = 93
CES09 = 29	CES34 = 78	CES59 = 88	CES84 = 87
CES10 = 73	CES35 = 88	CES60 = 90	CES85 = 80
CES11 = 56	CES36 = 89	CES61 = 84	CES86 = 73
CES12 = 61	CES37 = 86	CES62 = 87	CES87 = 79
CES13 = 41	CES38 = 98	CES63 = 82	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 93	CES65 = 69	CES90 = 81
CES16 = 46	CES41 = 97	CES66 = 68	CES91 = 76
CES17 = 49	CES42 = 88	CES67 = 66	CES92 = 58
CES18 = 55	CES43 = 85	CES68 = 71	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 90	CES70 = 65	CES95 = 66
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 92	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 81	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 91	CES75 = 63	

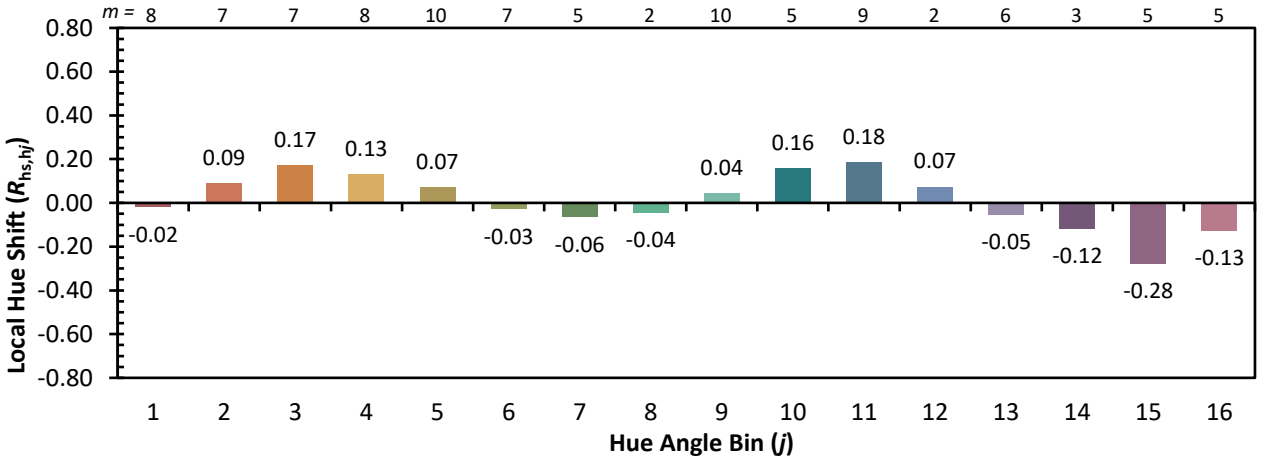


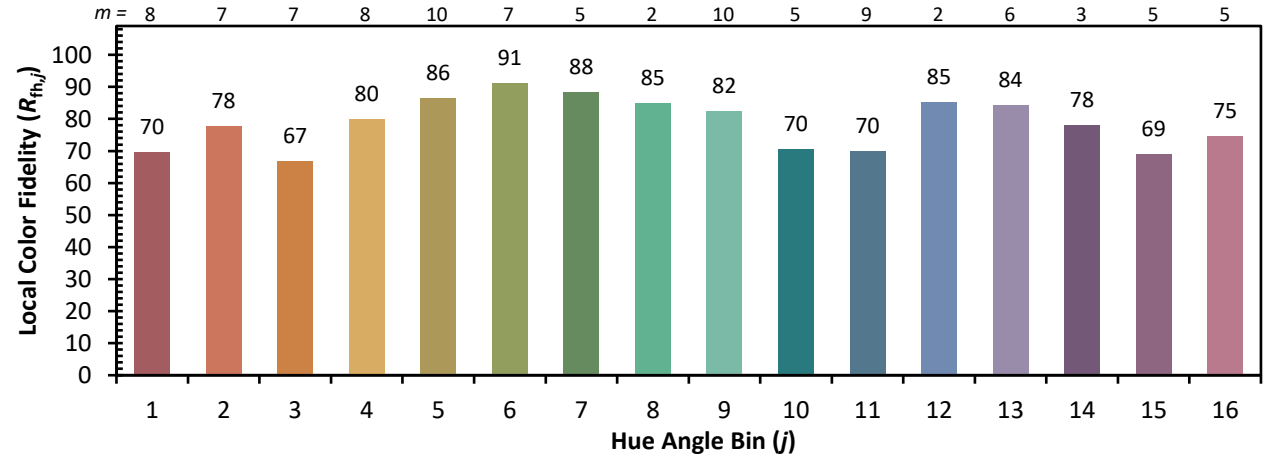
REPORT NUMBER: SP1-2501-332-5

TM-30-18

Color Rendition by Hue-Angle Bin



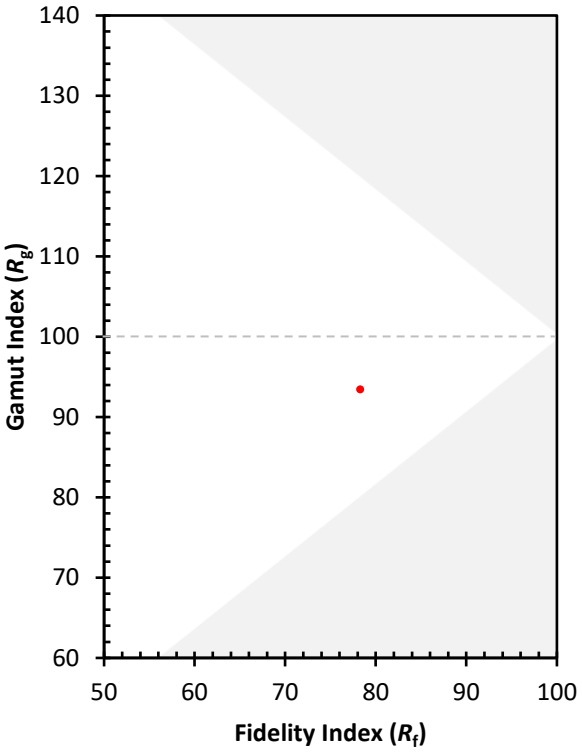


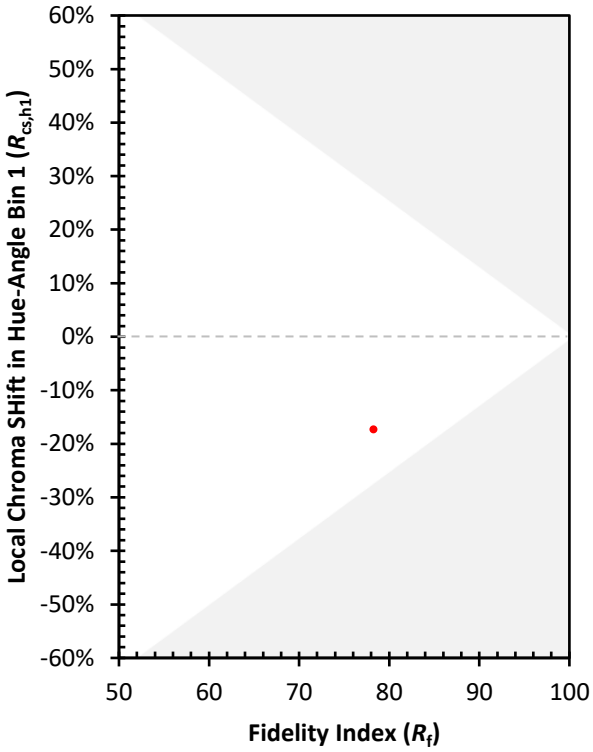


REPORT NUMBER: SP1-2501-332-5

TM-30-18

Measure Comparisons





(END OF REPORT)