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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1197962

Luminaire Tested: GPC-SB1B-830-U-SLL-HSS

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1197962
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1B-830-U-SLL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3882 lumens
Efficiency:	N/A
Efficacy:	97.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

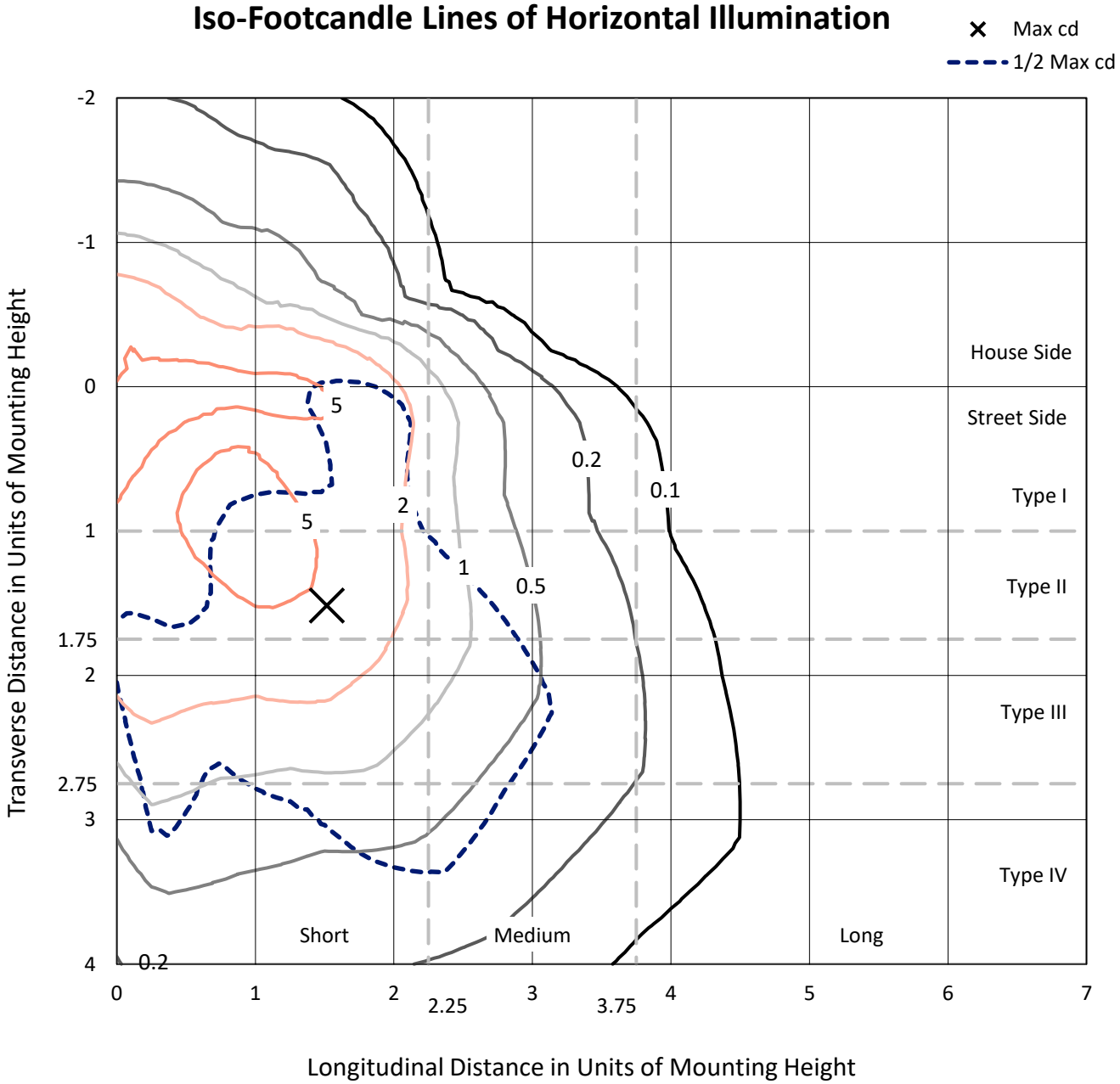


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Iso-Footcandle Lines of Horizontal Illumination



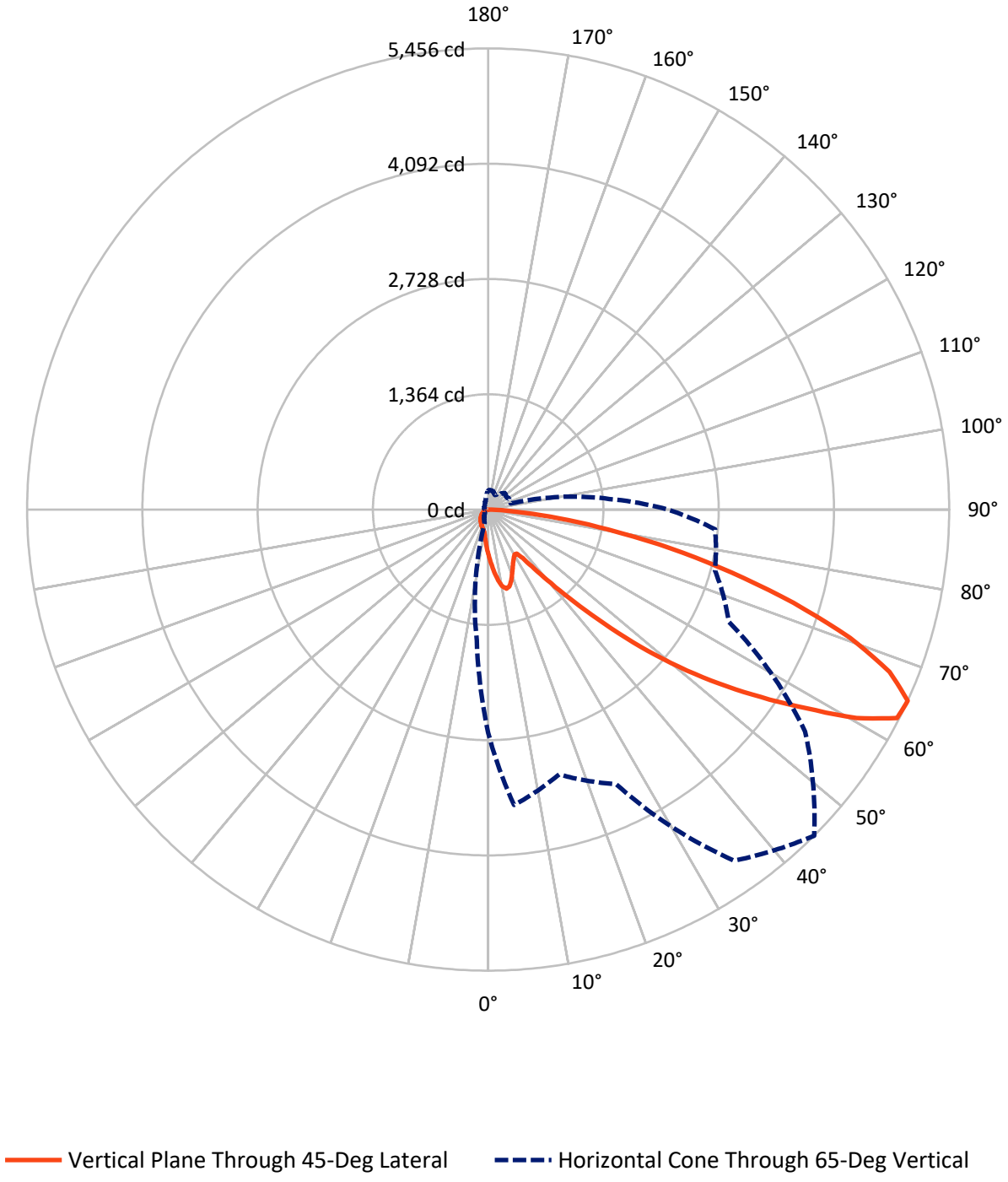
Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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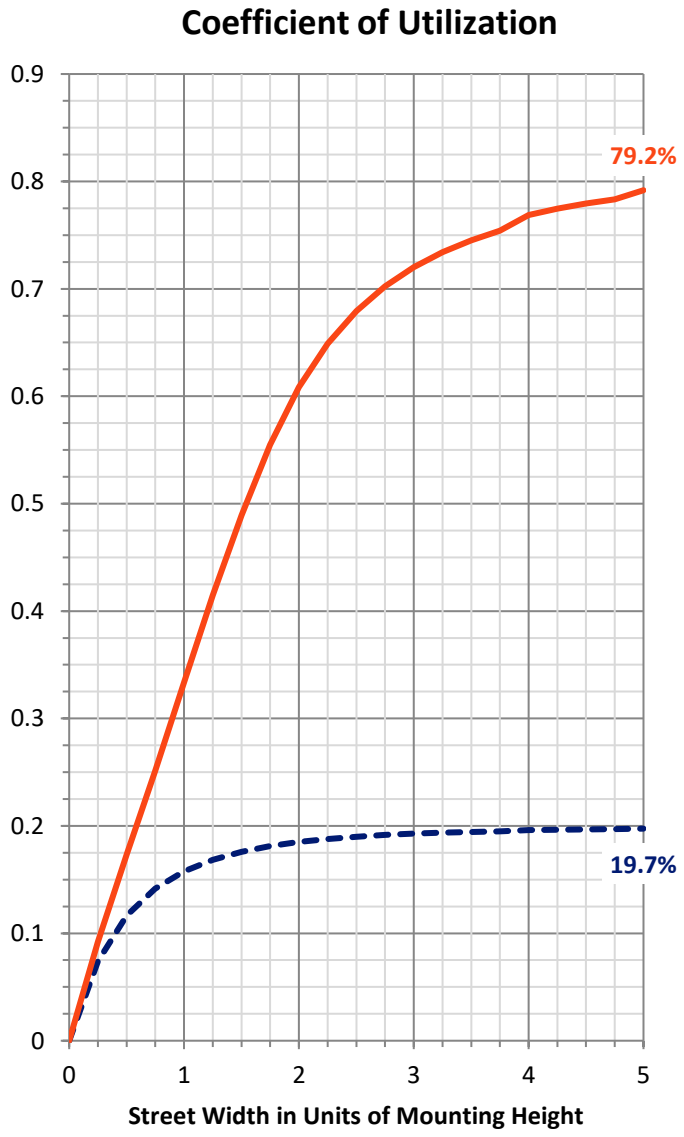
REPORT NUMBER: P1197962
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	771.6	0.0	771.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	3110.4	0.0	3110.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	3882.0	0.0	3882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.4
10°-20°	158.6	4.1
20°-30°	233.7	6.0
30°-40°	300.3	7.7
40°-50°	485.6	12.5
50°-60°	851.6	21.9
60°-70°	1065.5	27.4
70°-80°	622.7	16.0
80°-90°	111.1	2.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3882.0	100.0
0°-180°	3882.0	100.0



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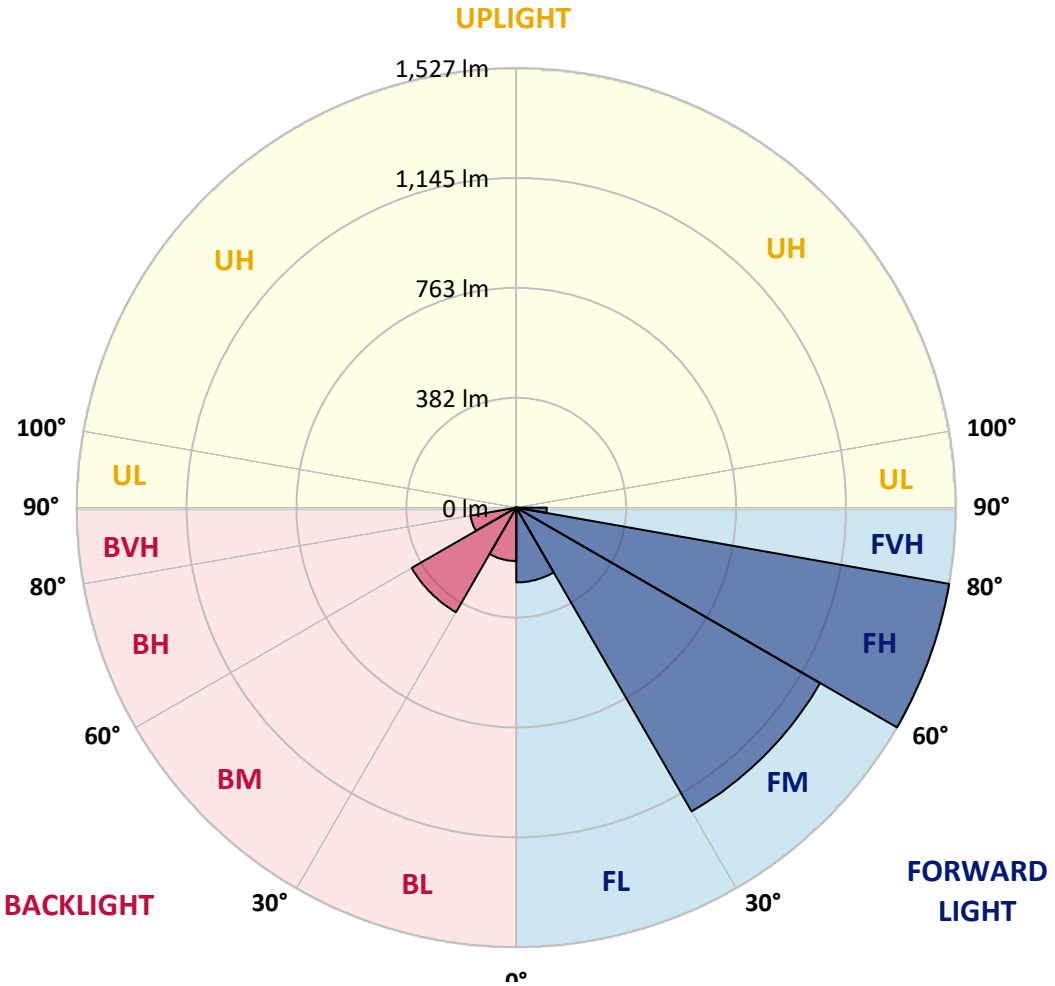
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	259.8	6.7			
FM	(30°-60°)	1218.2	31.4			
FH	(60°-80°)	1526.5	39.3			G1/1800
FVH	(80°-90°)	105.9	2.7			G2/225
BL	(0°-30°)	185.5	4.8	B1/500		
BM	(30°-60°)	419.2	10.8	B1/1000		
BH	(60°-80°)	161.7	4.2	B1/500		G1/500
BVH	(80°-90°)	5.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5
2.5°	602.3	606.8	617.0	622.3	630.6	631.1	631.1	623.9	623.6	608.9	607.3
5°	673.1	683.8	707.9	732.8	738.1	739.4	736.8	722.3	711.6	683.0	676.9
7.5°	743.5	764.0	800.7	833.8	844.5	844.5	838.1	814.6	792.7	751.2	735.7
10°	801.8	827.7	877.4	914.6	926.9	924.2	911.1	881.4	851.2	801.0	780.6
12.5°	840.3	869.4	924.0	953.9	966.5	959.5	944.6	915.7	883.9	830.9	807.9
15°	859.5	890.0	937.3	953.1	949.6	942.4	940.5	926.6	902.6	853.1	828.0
17.5°	867.8	896.2	929.0	919.2	889.7	884.1	902.8	920.5	914.6	872.4	848.8
20°	875.6	899.4	909.3	865.4	814.1	809.0	844.8	895.1	920.8	890.3	868.6
22.5°	886.3	901.0	880.6	808.7	753.3	741.6	781.2	856.8	922.6	913.0	891.3
25°	901.0	905.0	849.1	755.0	699.3	687.6	724.5	814.3	919.4	937.6	919.2
27.5°	918.6	910.3	818.9	710.0	656.3	645.3	682.2	773.4	910.3	962.2	949.1
30°	941.6	917.3	788.9	675.3	625.5	617.5	653.1	738.1	899.1	993.5	986.3
32.5°	964.9	920.2	761.1	654.9	618.6	621.5	650.7	719.1	886.8	1023.5	1026.9
35°	990.0	929.6	747.5	675.0	676.6	702.3	714.3	736.8	884.9	1064.1	1077.7
37.5°	1024.3	950.4	763.8	774.7	830.4	883.6	873.7	823.1	906.6	1124.8	1150.2
40°	1073.5	987.1	834.9	944.6	1058.8	1145.1	1107.4	980.1	972.9	1212.3	1250.2
42.5°	1145.1	1045.4	961.1	1152.1	1345.7	1488.0	1386.9	1182.6	1089.0	1337.1	1385.6
45°	1251.0	1139.8	1113.8	1371.1	1699.5	1923.6	1713.4	1398.4	1251.6	1526.2	1564.2
47.5°	1397.9	1278.6	1256.9	1601.9	2129.5	2419.4	2075.5	1598.4	1436.6	1784.0	1792.8
50°	1592.8	1465.5	1392.5	1854.4	2601.0	2924.9	2437.4	1791.5	1648.7	2099.1	2088.9
52.5°	1850.1	1726.3	1550.6	2094.8	3085.9	3419.6	2800.8	1961.1	1911.9	2464.6	2443.8
55°	2200.9	2118.6	1766.6	2324.2	3570.4	3917.3	3150.0	2121.0	2259.5	2898.9	2772.7
57.5°	2636.3	2695.2	2078.2	2590.3	4006.1	4430.2	3500.9	2344.6	2710.9	3384.6	2963.7
60°	2917.1	3461.9	2674.8	2983.7	4501.1	5010.3	3981.8	2769.8	3185.3	3558.7	2927.3
62.5°	2849.2	3705.8	3389.4	3485.9	4956.3	5432.0	4453.0	3196.8	3274.7	3302.2	2647.0
65°	2640.9	3508.9	3243.6	3583.6	5071.5	5455.8	4578.9	3141.8	2777.8	2696.0	2127.7
67.5°	2354.2	3275.5	2897.3	3324.7	4863.2	5123.1	4344.4	2779.1	2146.7	2023.1	1543.6
70°	2044.8	3017.1	2670.0	3034.3	4466.1	4543.4	3945.7	2444.3	1578.9	1366.3	990.6
72.5°	1751.1	2748.1	2514.4	2736.6	3936.3	3776.4	3426.6	2148.3	1149.7	985.5	704.1
75°	1450.8	2351.2	2292.7	2383.1	3239.6	2974.6	2847.1	1778.7	902.3	713.0	485.9
77.5°	1119.5	1837.2	1972.0	1908.4	2280.4	2209.5	2206.8	1336.6	659.2	475.8	304.6
80°	766.2	1280.5	1540.7	1346.2	1480.0	1443.9	1662.1	896.7	478.2	286.4	169.6
82.5°	450.4	779.6	1072.4	651.7	818.3	840.0	989.8	436.2	281.3	66.1	36.9
85°	182.7	307.8	419.3	255.1	394.7	332.9	375.7	122.5	78.4	1.6	0.0
87.5°	46.0	98.4	69.0	28.6	45.7	42.0	33.2	15.0	3.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5
2.5°	596.9	590.8	575.5	560.3	548.0	531.4	520.4	507.3	494.7	483.5	481.4
5°	660.0	639.7	611.9	586.5	560.5	535.4	510.5	484.3	460.2	445.5	436.2
7.5°	711.4	675.5	638.6	606.3	575.0	545.6	512.7	480.8	443.1	423.1	404.9
10°	749.6	702.5	654.1	617.0	585.4	556.8	529.0	496.9	451.4	426.3	399.0
12.5°	774.7	718.8	662.2	619.6	584.3	562.1	549.8	537.3	492.1	462.7	423.1
15°	792.1	730.3	667.8	613.5	570.2	553.8	566.1	580.6	551.7	517.7	466.1
17.5°	811.1	745.3	670.2	596.9	542.6	535.7	567.5	600.9	599.6	565.9	515.3
20°	831.2	758.4	668.6	570.2	509.2	515.3	556.0	594.8	611.1	592.9	548.0
22.5°	851.8	771.0	662.4	535.4	477.9	497.2	537.8	571.8	591.0	585.4	551.2
25°	877.7	788.6	653.3	498.0	452.0	478.7	516.7	544.2	557.6	557.3	533.8
27.5°	908.7	812.2	648.5	467.7	433.5	457.8	491.5	516.1	525.5	525.5	506.8
30°	944.8	840.0	643.2	447.9	422.8	436.2	462.4	486.5	495.8	495.8	480.0
32.5°	984.9	866.7	630.3	435.9	414.8	415.1	431.6	453.6	464.8	466.4	455.2
35°	1033.1	895.4	602.3	426.3	405.4	394.5	402.5	420.7	434.0	437.5	430.6
37.5°	1096.2	930.4	562.1	412.1	391.0	372.8	374.7	388.6	403.3	408.6	404.1
40°	1181.0	971.6	520.4	391.8	370.7	349.0	348.2	358.4	372.8	378.7	376.3
42.5°	1293.0	1021.0	480.6	372.3	346.1	323.9	322.5	330.5	343.1	349.3	348.2
45°	1436.4	1081.8	446.3	357.0	322.0	300.1	299.5	306.2	317.2	323.6	322.3
47.5°	1635.6	1142.5	423.1	349.0	303.0	280.5	281.6	287.5	297.4	301.9	300.1
50°	1895.3	1160.9	411.3	349.0	292.8	263.2	268.5	273.3	280.8	283.5	281.1
52.5°	2144.5	1099.9	400.6	351.1	294.2	248.4	259.9	263.4	269.8	270.9	267.4
55°	2266.7	945.6	385.9	351.7	302.5	235.9	253.0	259.4	261.8	261.5	255.7
57.5°	2224.7	764.6	361.0	349.5	308.1	227.8	244.4	256.7	258.3	255.9	245.0
60°	2077.4	562.9	342.0	333.8	305.9	225.4	231.3	250.8	253.3	250.0	232.1
62.5°	1830.3	390.7	327.3	299.0	296.6	224.6	210.7	238.0	243.9	239.3	213.1
65°	*1440.9*	*276.0*	*281.9*	*262.1*	*276.3*	*220.4*	*189.3*	*222.5*	*230.5*	*223.6*	*186.7*
67.5°	975.0	199.2	228.4	237.5	243.4	210.7	173.8	204.9	215.5	206.5	155.9
70°	526.6	139.9	150.8	200.0	206.7	194.2	159.9	186.9	199.2	189.3	127.0
72.5°	311.0	100.6	105.6	160.7	172.2	170.9	144.4	166.1	181.0	169.3	103.2
75°	171.4	67.9	75.4	116.6	139.9	131.8	124.1	140.7	155.9	144.4	79.7
77.5°	76.8	40.6	52.4	76.5	109.9	90.4	96.0	109.6	123.8	111.8	53.2
80°	29.7	22.7	34.8	41.7	80.0	50.0	61.8	80.8	90.9	81.3	32.4
82.5°	3.7	10.2	15.0	16.3	46.5	26.5	35.8	50.8	50.0	43.3	16.3
85°	0.0	1.9	2.1	1.1	20.1	9.6	11.8	16.6	15.5	11.8	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5
2.5°	468.3	458.6	453.8	449.8	453.6	455.7	455.7	464.8	470.1	472.3	487.3
5°	412.6	394.7	382.7	375.5	377.9	380.6	383.5	395.0	402.7	407.8	431.1
7.5°	368.8	341.5	324.7	315.8	317.2	319.0	321.4	332.7	340.4	347.1	373.1
10°	347.1	308.6	286.4	275.7	273.8	272.8	272.0	278.7	284.5	289.9	315.6
12.5°	348.2	294.4	267.4	254.3	248.7	242.3	237.2	238.3	242.0	248.7	265.0
15°	361.8	289.9	257.5	241.2	231.9	224.4	218.2	216.9	218.2	219.3	229.5
17.5°	380.3	289.4	249.0	228.7	219.0	212.9	207.3	205.4	205.7	207.0	209.7
20°	395.0	287.8	239.3	216.6	208.1	202.7	197.1	195.2	195.8	196.0	199.0
22.5°	402.7	285.3	228.7	204.6	197.4	192.0	186.9	186.7	186.7	188.3	190.4
25°	402.7	280.3	219.0	193.1	186.7	181.9	175.7	176.8	177.3	179.4	182.7
27.5°	393.1	270.6	211.3	183.2	176.5	171.7	166.1	167.4	168.2	170.6	174.6
30°	380.8	259.1	202.4	173.8	166.1	162.6	157.8	158.3	159.4	162.1	166.6
32.5°	367.7	245.5	195.2	164.5	156.7	154.0	148.7	149.5	150.6	153.5	158.6
35°	353.3	229.5	186.7	155.9	148.2	146.0	139.9	140.4	142.0	145.2	150.3
37.5°	338.0	216.4	178.1	147.6	139.6	137.5	131.0	131.6	133.4	137.2	142.0
40°	323.1	203.5	169.0	138.8	130.8	128.9	121.9	122.5	124.6	128.6	133.7
42.5°	306.7	193.6	157.2	129.7	121.1	119.3	112.9	113.7	116.1	120.1	125.2
45°	287.2	187.2	144.1	121.1	111.5	109.6	103.8	105.4	108.0	112.1	117.4
47.5°	267.2	184.5	133.2	112.1	101.6	100.0	95.2	97.9	100.8	104.0	109.9
50°	247.9	181.0	121.9	103.5	93.1	91.5	88.3	91.7	94.7	97.6	103.2
52.5°	226.0	173.6	111.8	96.0	85.8	85.3	83.7	86.9	89.6	92.3	97.1
55°	203.2	161.5	103.0	89.3	79.7	80.2	79.4	82.1	84.2	86.6	90.9
57.5°	183.5	146.3	96.0	82.1	74.3	75.9	74.9	76.2	77.6	80.5	84.0
60°	163.4	128.1	88.3	73.5	69.0	70.9	67.9	67.7	68.2	69.0	75.4
62.5°	136.4	109.1	78.6	66.1	63.1	63.9	58.3	54.0	54.0	54.8	64.5
65°	*109.6*	*91.5*	*67.9*	*57.5*	*55.1*	*54.6*	*46.5*	*40.6*	*40.1*	*42.5*	*50.8*
67.5°	90.1	75.9	57.2	47.9	46.3	46.8	40.9	35.0	34.5	37.2	43.3
70°	74.6	61.2	45.7	36.9	38.5	40.9	35.0	29.4	28.6	31.0	36.9
72.5°	59.4	47.9	35.0	27.3	31.8	34.8	28.6	23.3	22.7	24.9	30.5
75°	43.6	34.2	23.8	19.8	24.6	27.3	20.9	16.6	15.8	17.7	23.3
77.5°	27.0	19.3	15.0	11.8	16.8	18.2	11.0	9.6	9.4	10.7	14.7
80°	12.6	8.3	7.2	4.0	6.2	7.2	4.5	5.1	5.3	6.4	9.1
82.5°	3.5	1.3	0.3	0.0	0.0	2.1	1.1	2.1	2.7	4.0	5.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.3	2.4	4.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1197962
CATALOG NUMBER: GPC-SB1B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	537.5	537.5	537.5	537.5	537.5	537.5	537.5	537.5
2.5°	498.5	509.2	526.3	544.0	561.3	579.0	596.1	602.3
5°	452.2	476.8	510.8	547.2	584.6	622.6	657.3	673.1
7.5°	400.6	435.9	487.0	544.0	603.6	663.2	718.0	743.5
10°	345.5	390.2	448.5	525.5	611.1	693.4	768.9	801.8
12.5°	293.1	339.9	404.4	496.6	605.2	710.8	801.5	840.3
15°	249.2	290.7	360.2	462.4	586.2	711.9	817.0	859.5
17.5°	216.4	243.4	315.3	424.4	561.3	702.0	822.3	867.8
20°	200.0	207.5	257.0	375.7	538.1	692.6	827.7	875.6
22.5°	190.4	192.3	210.2	312.9	510.3	689.7	837.1	886.3
25°	182.7	183.2	188.0	247.9	467.7	687.8	851.5	901.0
27.5°	174.9	174.9	177.6	199.8	410.0	679.8	870.2	918.6
30°	167.1	167.1	169.0	176.8	342.3	664.0	892.7	941.6
32.5°	159.1	159.1	160.7	166.3	273.3	644.2	913.3	964.9
35°	151.1	150.6	152.7	158.6	217.4	619.1	933.9	990.0
37.5°	142.5	142.3	144.4	151.1	187.7	589.9	949.4	1024.3
40°	133.4	133.4	135.9	143.1	179.2	553.3	974.0	1073.5
42.5°	125.2	124.6	127.3	136.1	172.8	518.3	1018.1	1145.1
45°	117.1	116.1	118.5	129.4	161.5	506.0	1100.5	1251.0
47.5°	109.6	107.0	109.1	121.4	151.4	552.0	1235.3	1397.9
50°	103.5	98.4	100.3	113.4	143.6	651.7	1410.2	1592.8
52.5°	97.1	90.4	91.5	103.5	136.7	746.7	1599.8	1850.1
55°	90.4	82.9	83.4	93.6	126.8	760.8	1784.8	2200.9
57.5°	82.9	75.9	75.9	84.5	119.5	659.5	1927.1	2636.3
60°	74.6	70.1	68.7	77.3	126.0	465.3	1943.7	2917.1
62.5°	65.5	63.1	61.2	70.3	130.8	275.7	1810.2	2849.2
65°	*55.1*	*54.6*	*53.2*	*77.3*	*110.2*	*162.9*	*1554.0*	*2640.9*
67.5°	46.3	45.5	45.5	81.0	83.7	102.4	1214.1	2354.2
70°	39.8	36.9	36.9	61.2	50.8	70.9	847.8	2044.8
72.5°	33.4	30.2	28.1	48.9	38.0	51.9	529.8	1751.1
75°	26.7	24.3	21.7	32.4	28.3	39.3	307.8	1450.8
77.5°	19.3	18.2	15.2	23.8	20.6	28.3	183.2	1119.5
80°	9.9	10.2	9.6	13.6	13.9	19.3	104.3	766.2
82.5°	5.9	4.5	5.1	6.7	8.0	11.0	39.3	450.4
85°	3.7	2.4	2.4	3.2	4.0	4.3	12.0	182.7
87.5°	1.9	0.8	1.1	1.6	1.3	1.1	0.5	46.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

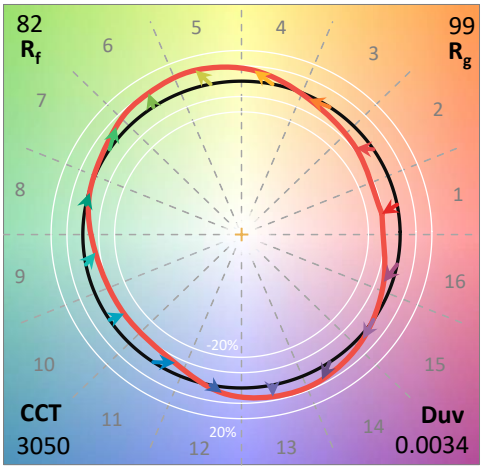
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050
CIE u':	0.2476
CIE v':	0.5251
Duv:	0.0034
CIE x:	0.4383
CIE y:	0.4131
CIE z:	0.1487
Peak Wavelength (nm):	603
Dominant Wavelength (nm):	581
Purity:	55.55201
Rf:	81.5
Rg:	99.2

CRI (Ra):	81.0
R1:	79.6
R2:	85.6
R3:	92.0
R4:	82.6
R5:	78.9
R6:	81.7
R7:	85.2
R8:	62.0
R9:	7.1
R10:	67.0
R11:	82.7
R12:	63.2
R13:	80.3
R14:	95.0
R15:	71.7



Test Conditions

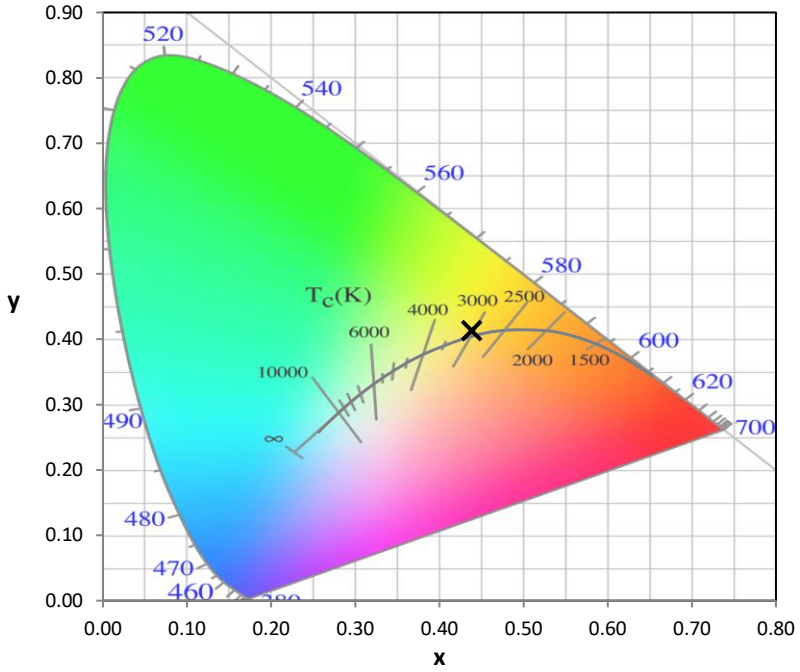
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

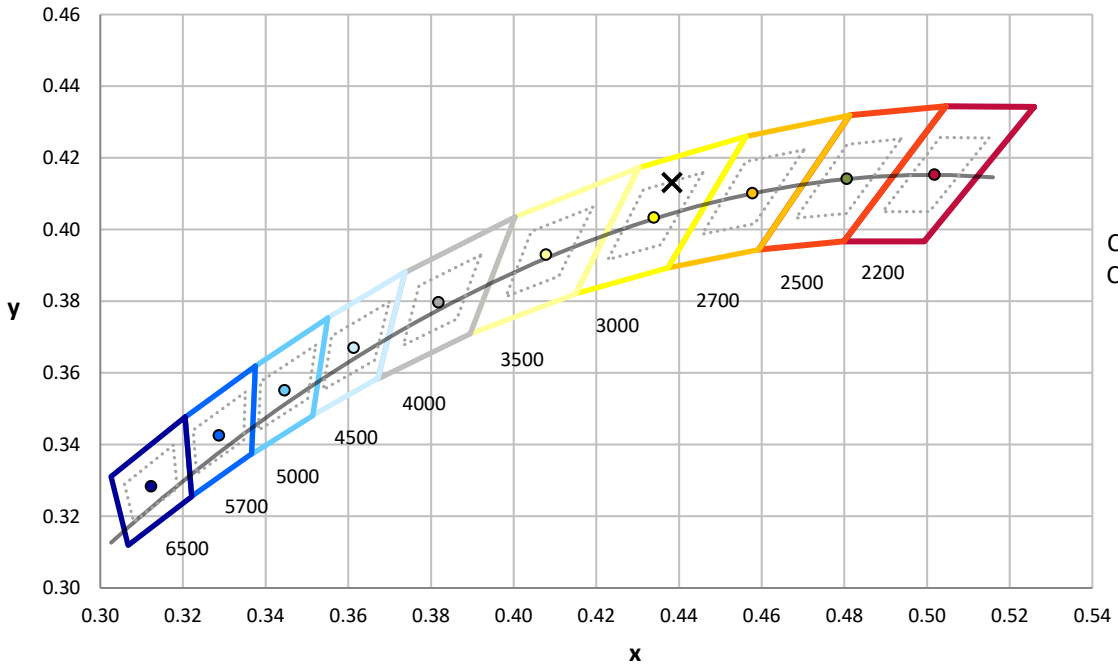
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

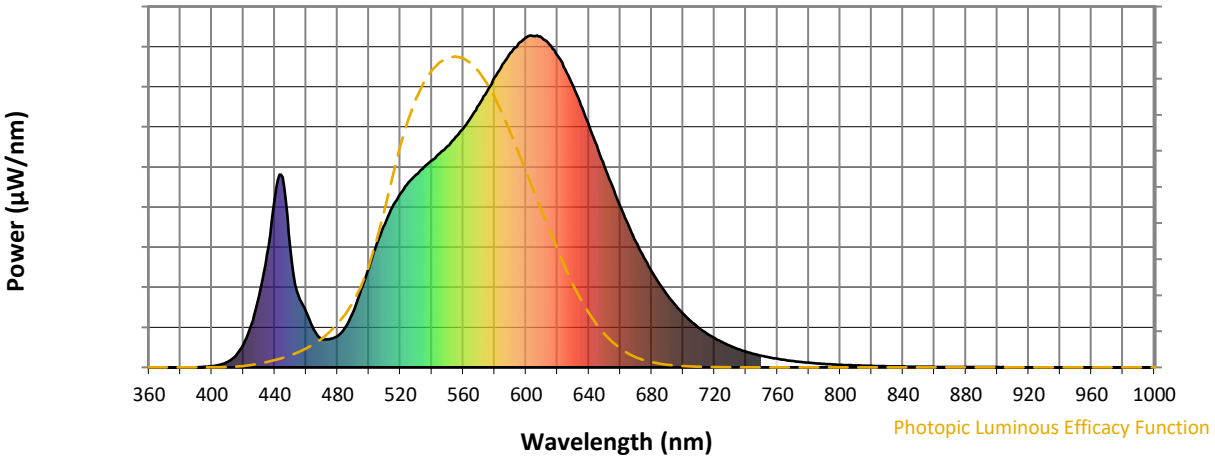


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

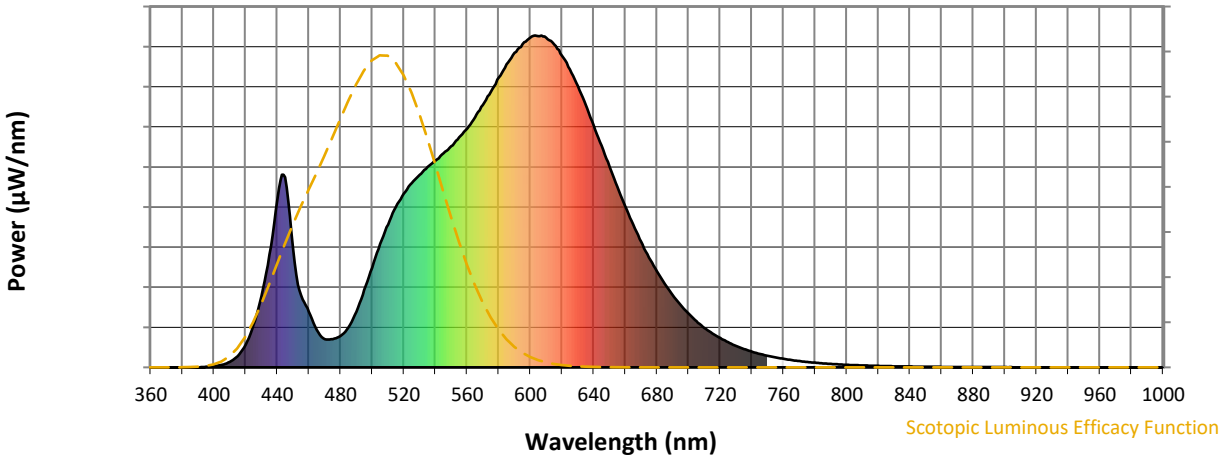


Photopic Lumens: NR

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

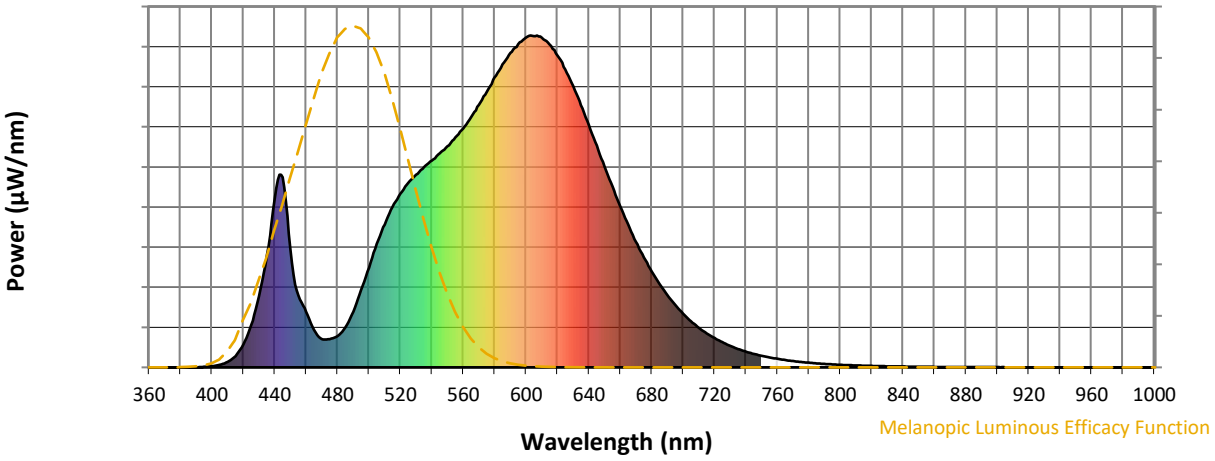


Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

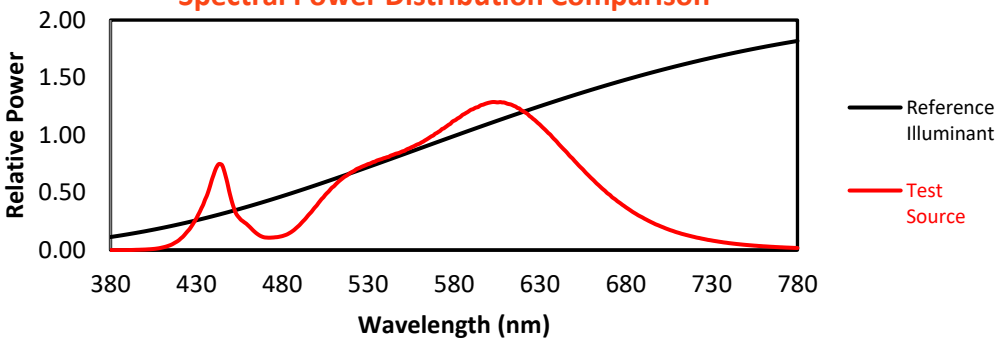
REPORT NUMBER: SP1-2408-195-9

TM-30-18

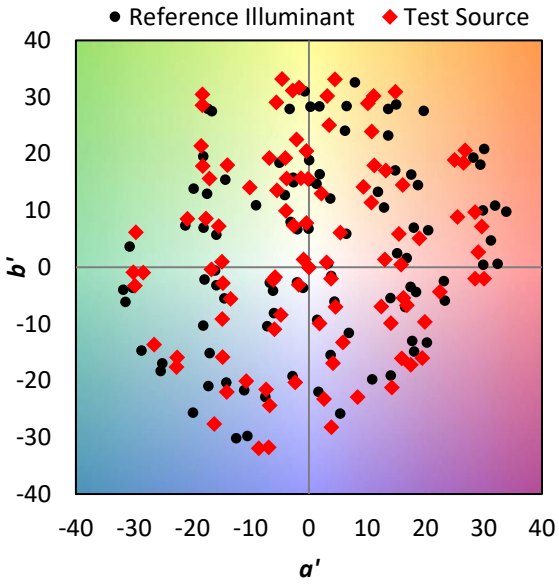
Summary

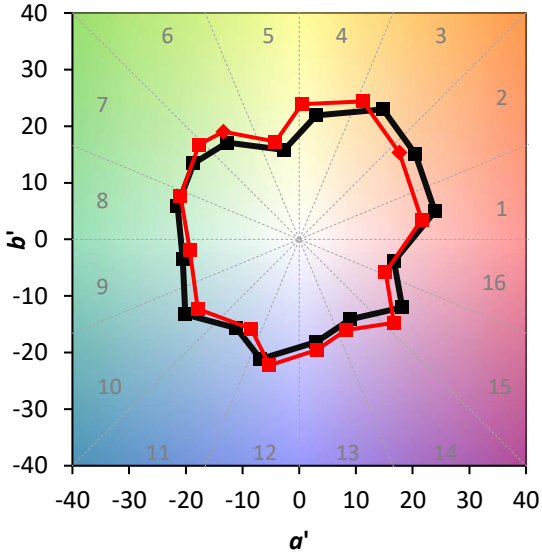
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

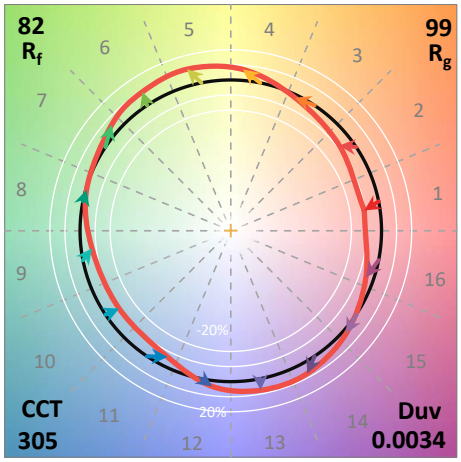
Spectral Power Distribution Comparison

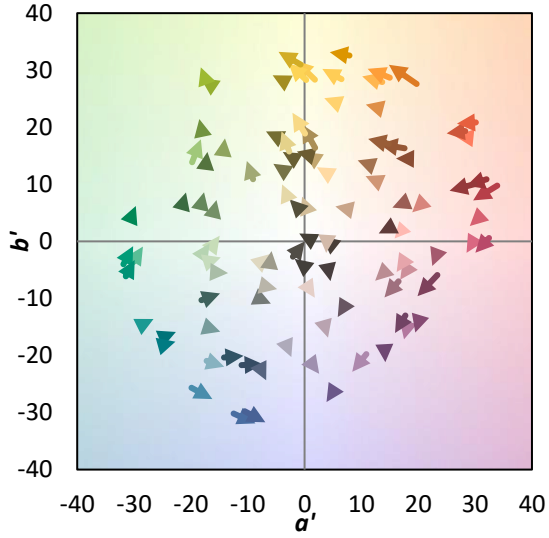


Color Vector Graphics







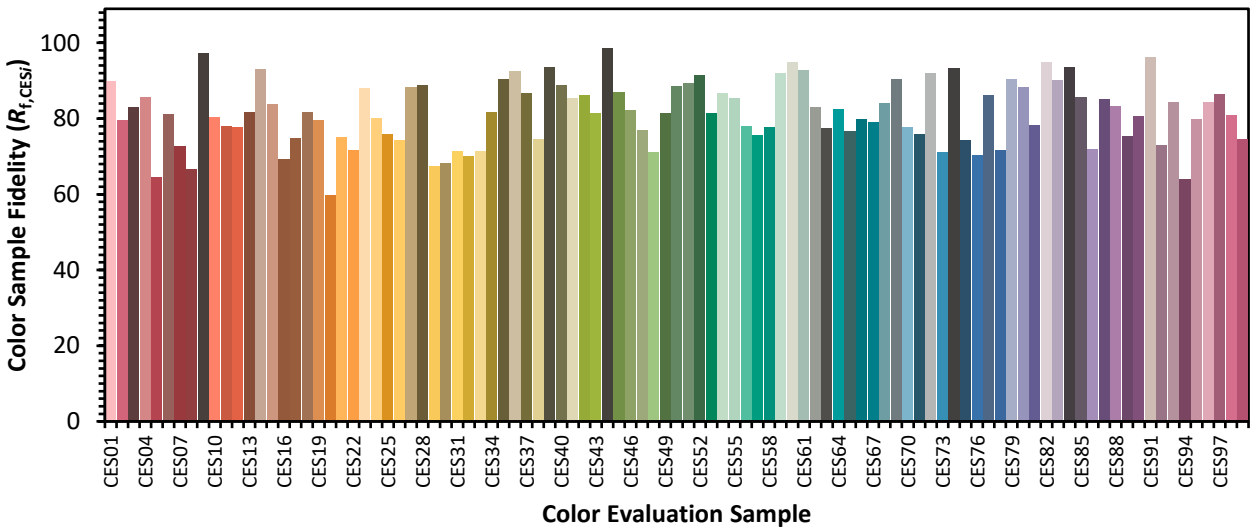


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

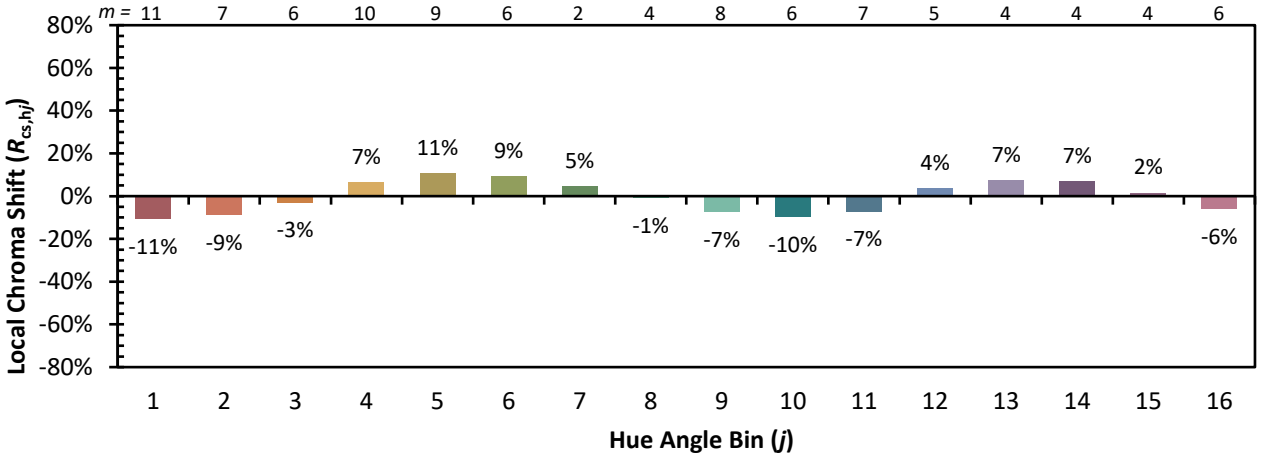
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
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CES25 = 72	CES50 = 89	CES75 = 74	

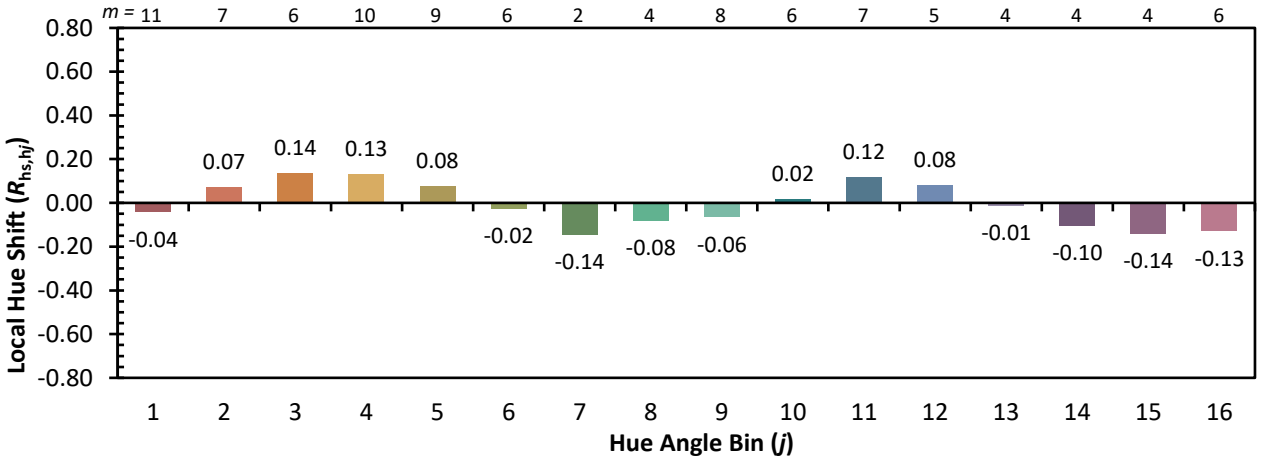


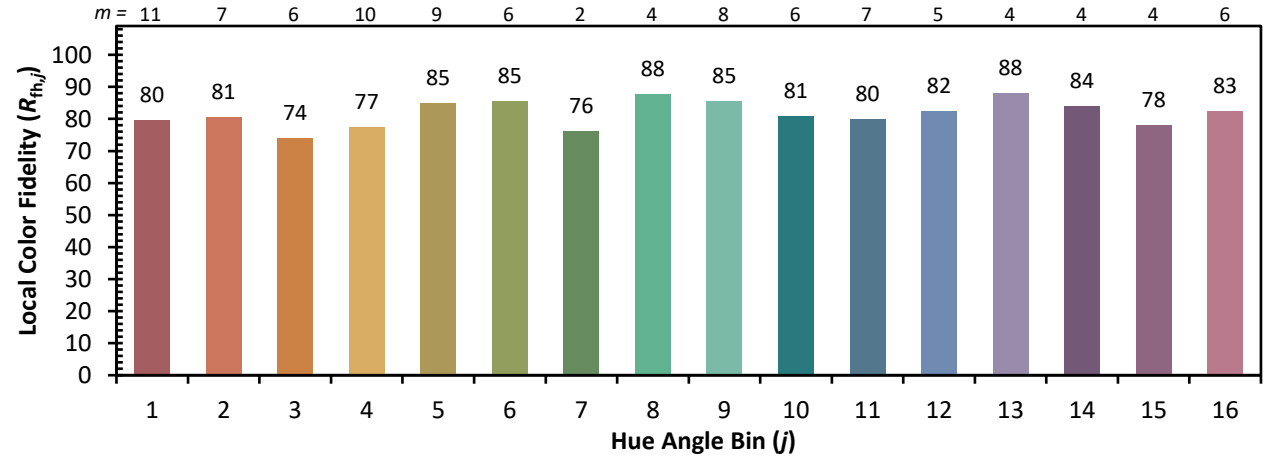
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



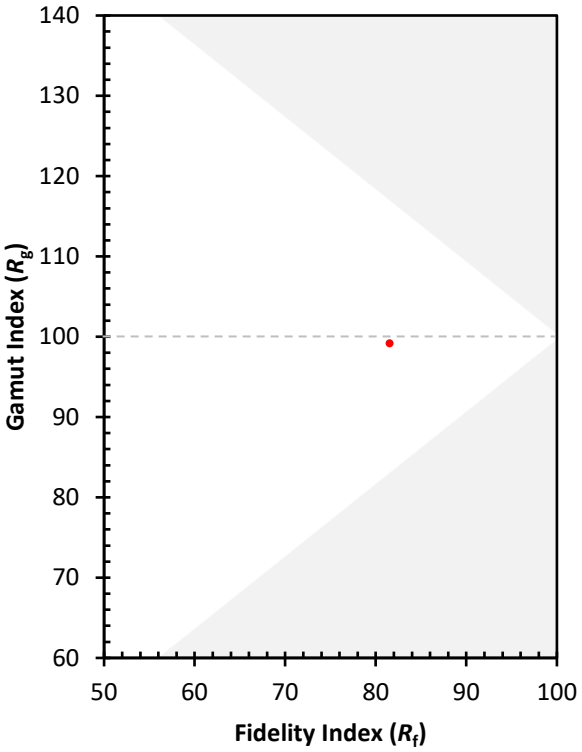


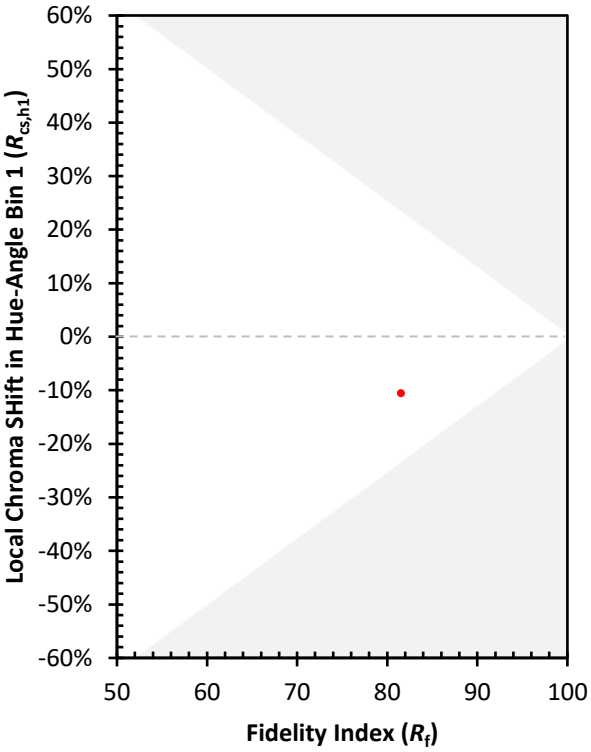


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





(END OF REPORT)