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: McGRAW-EDISON

Report Number: P385608

Luminaire Tested: **GPC-SA1A-830-U-SLR-HSS**

Issue Date: 3/3/2020

Report Generated By 670245982

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P385608
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1A-830-U-SLR-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2931 lumens
Efficiency:	N/A
Efficacy:	86.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	34
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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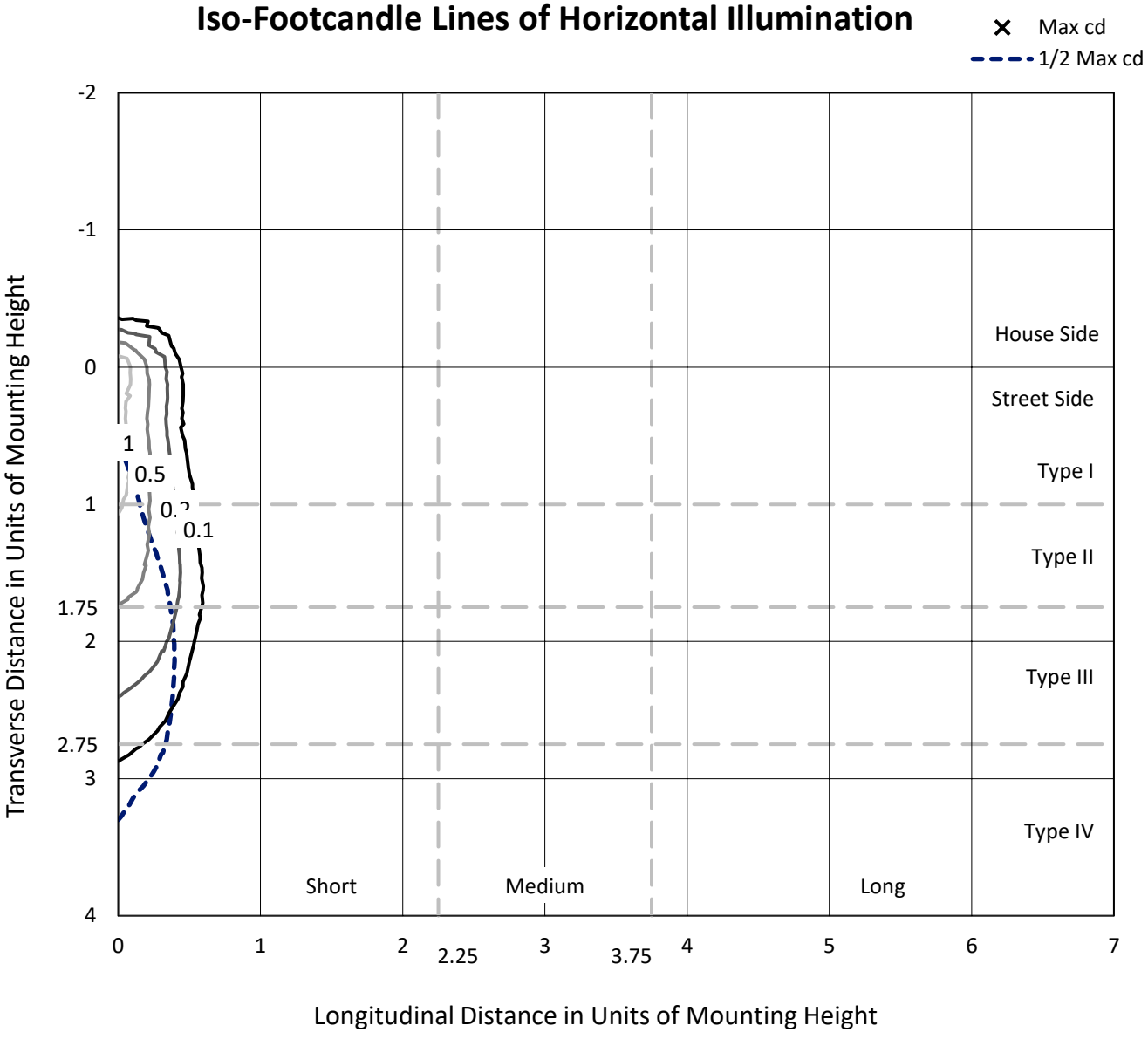
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Medium - N/A

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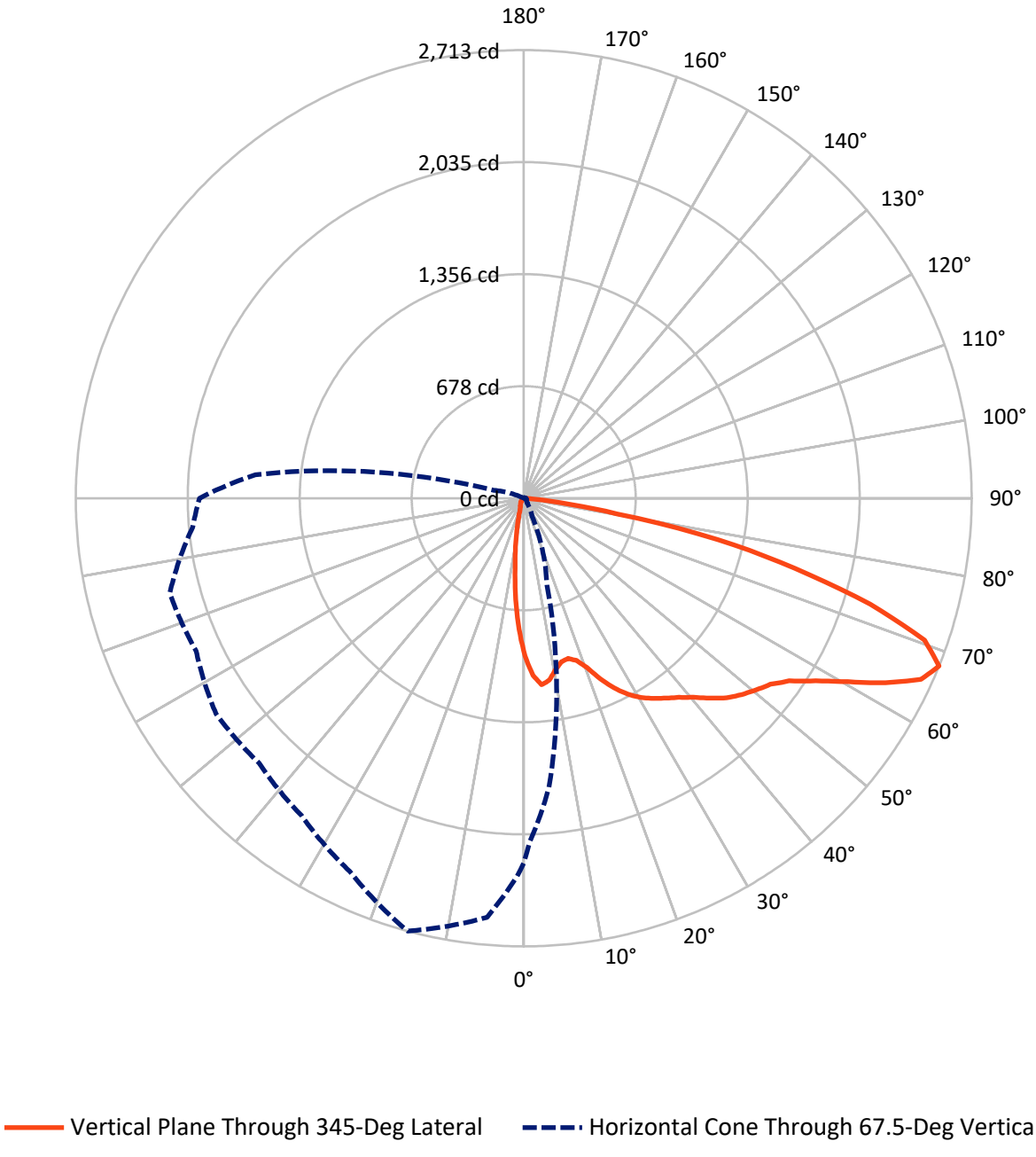
Luminous Intensity Polar Plot



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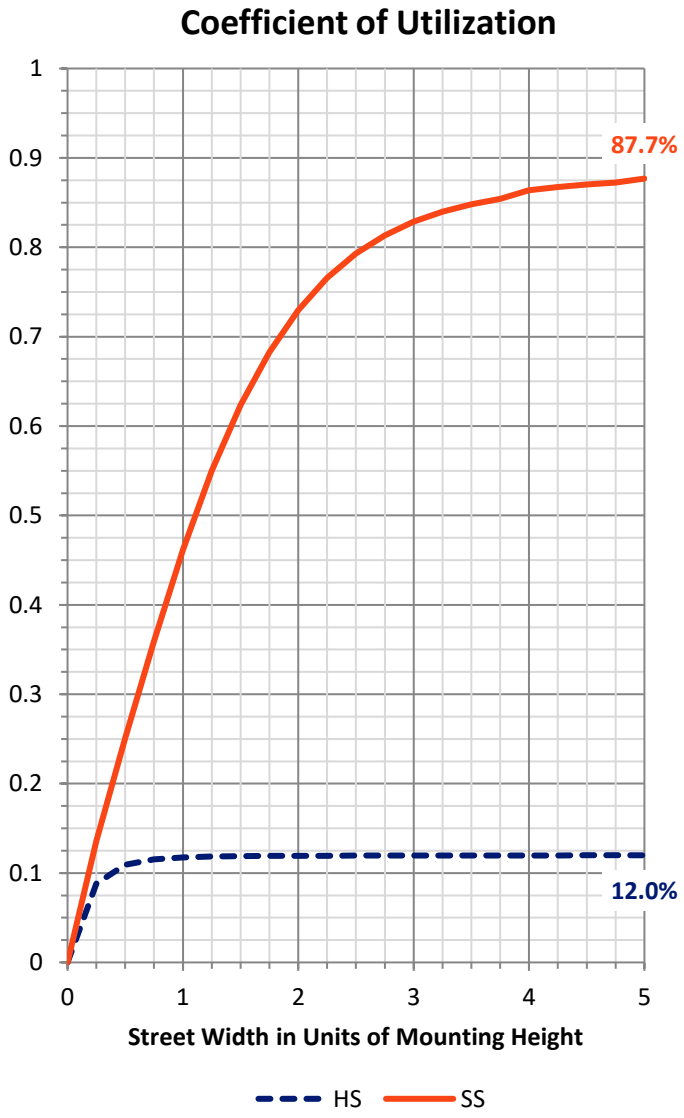
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	354.7	0.0	354.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	2576.3	0.0	2576.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	2931.0	0.0	2931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	2.5
10°-20°	145.9	5.0
20°-30°	207.1	7.1
30°-40°	305.9	10.4
40°-50°	441.2	15.1
50°-60°	619.4	21.1
60°-70°	722.0	24.6
70°-80°	369.1	12.6
80°-90°	47.1	1.6
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°	2931.0	100.0
0°-180°	2931.0	100.0



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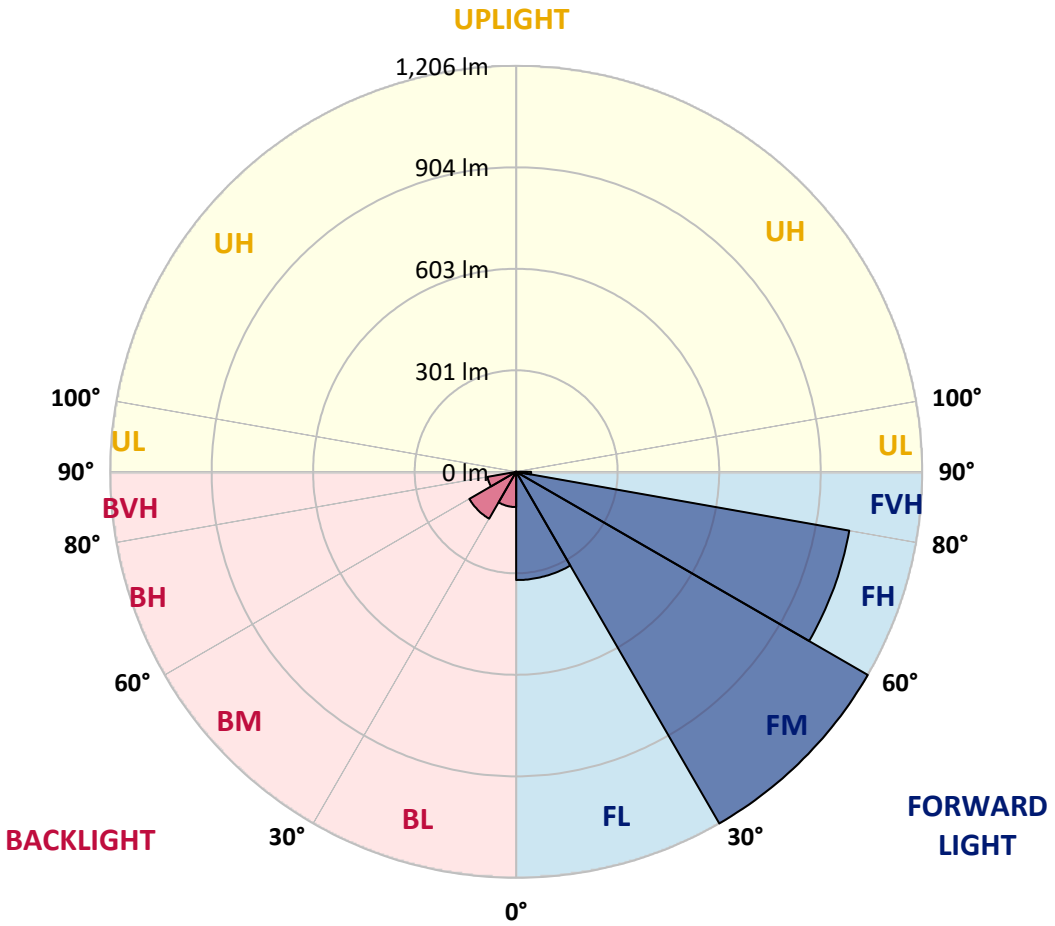
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	321.5	11.0			
FM	(30°-60°)	1205.9	41.1			
FH	(60°-80°)	1004.6	34.3			G1/1800
FVH	(80°-90°)	44.3	1.5			G1/100
BL	(0°-30°)	104.8	3.6	B0/110		
BM	(30°-60°)	160.6	5.5	B0/220		
BH	(60°-80°)	86.5	2.9	B0/110		G0/110
BVH	(80°-90°)	2.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8
2.5°	1045.4	1037.4	1028.5	999.5	972.5	941.7	916.6	899.1	877.1	848.7	841.5
5°	1037.9	1029.3	1001.4	936.9	880.3	825.4	772.3	741.2	702.6	663.4	653.7
7.5°	962.5	953.5	913.3	824.8	748.7	669.3	600.4	557.8	514.2	478.4	459.3
10°	884.1	874.2	829.0	721.6	627.9	556.1	505.6	464.9	423.6	385.3	354.8
12.5°	830.1	817.2	768.0	646.4	564.7	516.0	468.8	420.0	364.2	323.1	289.5
15°	807.4	792.7	740.8	617.3	542.4	485.2	423.6	363.8	298.4	251.3	220.5
17.5°	824.9	805.8	750.1	615.4	514.3	436.4	358.7	288.4	217.4	169.8	147.9
20°	884.4	859.2	788.6	614.9	480.3	378.5	279.9	200.5	143.3	115.2	103.7
22.5°	978.0	944.8	843.8	619.3	445.2	317.7	202.2	136.2	107.6	93.0	86.2
25°	1091.0	1052.5	923.4	635.0	414.3	258.5	146.9	107.6	90.8	80.1	74.4
27.5°	1198.5	1167.2	1023.9	657.6	390.5	210.8	119.3	91.2	77.6	70.5	66.0
30°	1305.8	1266.5	1127.1	684.6	361.7	178.4	104.8	83.2	69.6	62.1	59.2
32.5°	1383.8	1351.2	1207.9	704.0	331.0	157.3	93.7	76.1	65.0	57.3	53.0
35°	1475.6	1438.7	1277.2	708.3	311.3	144.0	84.3	68.5	56.4	49.6	45.0
37.5°	1574.8	1528.8	1357.2	698.9	295.9	137.5	77.2	65.0	52.6	45.7	40.8
40°	1684.5	1632.5	1434.0	685.3	280.8	135.2	71.8	62.3	49.7	42.6	37.6
42.5°	1800.0	1738.7	1500.5	670.9	271.2	127.6	71.2	59.7	47.5	39.9	34.9
45°	1897.0	1835.0	1568.8	666.2	264.4	119.3	73.6	57.9	46.0	37.6	32.8
47.5°	1974.4	1915.6	1638.8	676.8	260.5	111.6	67.1	60.3	45.1	35.7	31.0
50°	2066.7	2000.2	1737.4	708.3	254.8	104.0	60.7	69.0	45.1	34.4	29.4
52.5°	2182.5	2116.7	1847.3	757.2	243.4	93.4	54.6	69.1	45.5	32.8	27.5
55°	2328.2	2280.4	2004.4	810.8	225.2	77.9	47.2	59.4	43.9	29.7	25.7
57.5°	2467.9	2428.9	2147.5	847.4	200.9	60.8	41.1	47.9	40.1	26.1	22.9
59°	2506.1	2463.4	2200.0	849.1	182.7	53.0	38.0	39.6	39.3	24.4	21.2
60°	2506.1	2460.8	2215.2	840.2	169.5	48.7	36.1	35.3	41.0	23.3	20.3
62.5°	2460.7	2397.1	2166.0	780.1	138.3	41.5	31.5	29.2	36.8	21.0	17.9
65°	2366.2	2273.6	1998.5	671.4	123.3	38.0	27.2	23.9	25.5	18.5	15.7
67.5°	*2208.8*	*2083.2*	*1757.1*	*542.4*	*117.3*	*37.1*	*23.5*	*20.3*	*19.3*	*15.8*	*13.7*
70°	1931.5	1792.2	1463.9	426.4	112.2	36.7	19.7	17.1	15.6	13.3	11.7
72.5°	1405.8	1260.5	1039.3	333.4	109.1	37.5	15.8	14.3	12.8	10.4	9.0
75°	804.1	709.0	584.2	220.2	93.0	35.8	12.2	11.9	9.2	7.5	6.2
77.5°	415.5	402.8	350.1	84.6	44.6	15.7	8.1	6.9	5.4	4.6	3.7
80°	179.3	177.3	153.4	24.4	11.8	8.7	4.6	2.9	2.5	1.9	1.5
82.5°	61.9	61.9	54.6	8.2	5.3	4.3	0.6	0.0	0.0	0.0	0.0
85°	12.5	14.0	9.9	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8
2.5°	832.7	815.9	814.8	804.2	791.1	785.1	781.6	787.7	795.2	796.1	807.3
5°	646.4	628.7	636.1	617.3	621.1	617.3	611.2	612.4	615.7	605.3	618.2
7.5°	453.9	440.6	449.1	444.1	450.7	453.4	449.6	444.1	427.7	425.7	437.0
10°	342.1	327.0	318.0	308.5	310.6	314.9	313.5	309.5	299.1	299.6	310.5
12.5°	274.9	258.0	240.1	216.9	211.2	214.4	211.2	208.8	198.8	199.7	209.3
15°	208.6	194.7	175.9	157.3	147.2	148.2	139.3	133.0	126.8	119.3	125.1
17.5°	140.8	132.3	126.8	121.2	109.1	106.4	95.1	83.0	78.3	74.8	77.3
20°	99.7	95.1	92.9	92.6	85.7	82.2	71.2	63.7	61.4	60.7	62.2
22.5°	83.3	80.0	76.8	75.0	71.5	67.5	59.2	55.4	53.7	52.9	54.0
25°	72.5	70.0	66.7	63.6	62.2	57.9	51.9	49.2	48.0	47.2	47.8
27.5°	64.4	62.2	58.3	56.4	55.3	51.5	46.4	44.2	43.2	42.9	42.8
30°	58.0	56.0	52.3	50.1	48.2	44.9	41.8	39.6	38.6	38.3	38.0
32.5°	51.7	50.0	47.6	45.4	43.3	40.3	37.6	35.8	34.3	34.0	33.9
35°	43.6	41.9	40.7	40.5	38.6	35.7	33.7	31.4	30.1	29.7	29.9
37.5°	38.7	36.5	33.7	34.7	34.2	32.1	29.4	27.1	25.8	25.5	25.5
40°	35.7	33.3	30.1	28.5	30.1	29.7	25.5	23.2	21.9	21.8	21.5
42.5°	32.8	30.4	26.8	24.0	24.9	26.1	22.1	19.9	18.6	18.3	17.9
45°	30.7	28.2	24.2	21.0	19.3	21.9	18.9	16.1	15.4	14.9	14.6
47.5°	28.7	26.4	21.8	18.2	15.4	15.8	15.1	13.2	12.4	11.8	11.7
50°	27.1	24.6	19.7	15.6	12.8	11.7	12.2	10.4	9.7	9.2	8.9
52.5°	25.1	22.8	17.5	13.5	10.7	9.2	9.3	8.2	7.5	7.1	6.9
55°	23.6	21.2	15.7	11.8	9.4	7.5	6.7	6.4	6.0	5.7	5.6
57.5°	21.5	19.3	13.9	10.0	8.1	6.1	5.1	5.1	5.0	4.7	4.6
59°	20.3	18.3	12.8	9.0	7.4	5.3	4.6	4.7	4.6	4.3	4.2
60°	19.3	17.5	11.9	8.3	6.9	4.9	4.2	4.4	4.3	4.0	3.9
62.5°	17.1	15.8	10.3	6.9	6.1	3.9	3.5	3.7	3.7	3.6	3.5
65°	15.0	13.6	8.7	5.8	5.7	3.3	2.8	3.3	3.5	3.2	2.9
67.5°	*13.1*	*11.7*	*7.6*	*4.7*	*5.3*	*2.6*	*2.1*	*2.8*	*3.7*	*2.9*	*2.6*
70°	11.1	9.7	6.0	3.7	5.6	1.8	1.7	2.5	4.4	3.2	2.5
72.5°	8.6	7.5	4.2	2.8	6.0	1.2	1.2	2.1	5.0	3.5	2.4
75°	6.0	4.9	2.5	1.7	4.9	0.8	0.8	1.9	4.7	3.2	2.2
77.5°	3.5	2.6	0.8	0.1	2.5	0.0	0.1	1.4	3.3	1.9	1.0
80°	1.2	0.6	0.0	0.0	1.5	0.0	0.0	0.0	0.3	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8	954.8
2.5°	810.2	829.0	845.8	871.2	901.3	936.0	965.9	998.0	1028.1	1040.6	1049.2
5°	620.8	644.0	671.1	708.4	758.1	819.4	876.7	941.6	1011.3	1046.1	1078.9
7.5°	438.9	462.5	496.1	535.8	596.0	668.9	743.8	833.4	927.8	983.0	1037.2
10°	315.6	344.6	376.0	430.3	491.4	560.6	637.8	737.7	843.0	904.1	969.5
12.5°	214.8	247.9	295.3	356.2	428.0	495.7	562.8	658.2	780.4	840.9	911.0
15°	128.9	147.2	197.5	267.9	355.9	440.3	513.8	609.4	739.7	813.8	886.7
17.5°	79.4	87.9	115.2	173.0	265.5	372.3	472.9	592.9	745.5	835.8	913.8
20°	63.3	66.7	75.4	102.2	175.9	297.3	427.0	589.6	793.1	904.2	988.0
22.5°	55.0	58.2	64.0	74.3	110.7	222.6	383.4	592.6	861.5	1006.8	1104.6
25°	48.5	51.2	56.8	65.3	81.1	156.8	336.7	606.2	950.5	1134.2	1238.0
27.5°	43.3	45.7	50.8	58.6	69.6	109.4	283.8	622.8	1056.0	1264.4	1366.9
30°	38.6	40.7	45.3	52.5	60.4	84.1	225.8	634.0	1161.7	1366.9	1459.0
32.5°	34.6	36.1	40.3	46.4	52.5	67.1	171.6	632.2	1240.1	1452.1	1525.2
35°	30.4	31.9	35.5	40.8	45.7	55.4	135.0	598.5	1308.4	1540.6	1601.0
37.5°	25.8	27.8	31.2	36.0	39.3	48.7	109.1	557.8	1377.7	1641.7	1685.6
40°	21.9	23.9	26.9	32.1	34.2	46.2	83.9	508.2	1455.6	1754.7	1778.3
42.5°	18.2	20.0	23.2	27.6	32.2	39.9	62.1	451.6	1530.5	1851.4	1862.9
45°	14.7	16.5	19.9	24.3	34.4	33.0	48.0	390.9	1590.9	1931.8	1935.5
47.5°	11.7	13.3	16.8	22.9	32.1	26.4	34.3	343.2	1641.5	1994.5	1984.7
50°	9.0	10.4	14.0	26.2	28.0	21.8	26.0	327.4	1687.0	2033.4	2007.8
52.5°	7.1	8.3	11.5	24.6	21.8	18.1	21.8	342.3	1749.2	2065.6	2020.9
55°	5.7	6.9	9.0	14.0	14.9	15.3	18.6	356.2	1856.5	2141.1	2098.0
57.5°	4.7	6.0	7.4	9.9	11.2	12.9	16.5	357.7	1983.0	2266.7	2225.8
59°	4.3	5.4	6.7	8.7	9.9	11.8	15.6	349.4	2027.6	2312.4	2291.9
60°	4.0	5.1	6.2	8.1	9.2	11.1	15.0	341.4	2029.5	2310.7	2320.1
62.5°	3.5	4.6	5.6	6.8	7.8	9.4	13.5	312.1	1947.3	2235.0	2303.2
65°	3.1	4.0	5.0	5.8	6.7	8.5	12.2	258.7	1806.9	2113.0	2187.2
67.5°	*2.8*	*3.5*	*4.6*	*5.1*	*6.0*	*7.5*	*10.8*	*184.4*	*1631.5*	*1963.7*	*2011.9*
70°	2.5	3.3	4.2	4.7	5.4	6.5	9.3	105.9	1377.7	1745.1	1779.4
72.5°	2.4	3.2	3.7	4.4	4.9	5.8	8.5	49.8	1008.8	1398.0	1487.6
75°	2.1	2.9	3.5	4.2	4.6	5.3	7.2	23.9	670.9	1011.7	1113.5
77.5°	1.2	2.4	3.2	3.7	4.0	4.6	6.0	13.7	428.2	700.2	824.8
80°	0.0	0.8	2.4	3.2	3.5	3.9	4.6	10.8	229.1	400.0	480.2
82.5°	0.0	0.0	1.7	2.5	2.4	2.6	3.5	6.8	103.3	261.5	294.7
85°	0.0	0.0	0.6	1.9	1.7	1.2	2.4	2.4	22.6	132.3	165.1
87.5°	0.0	0.0	0.0	0.1	0.8	0.6	1.0	0.3	0.1	9.9	40.0
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: P385608
CATALOG NUMBER: GPC-SA1A-830-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	954.8	954.8	954.8	954.8	954.8	954.8	*954.8*	954.8	954.8	954.8
2.5°	1079.3	1089.6	1107.0	1115.1	1111.1	1094.0	*1073.6*	1052.8	1040.6	1045.4
5°	1145.7	1198.6	1229.1	1239.3	1222.3	1184.0	*1133.9*	1067.8	1044.3	1037.9
7.5°	1145.7	1245.3	1308.3	1319.4	1281.6	1206.5	*1112.5*	1009.3	975.0	962.5
10°	1105.4	1240.9	1328.8	1346.5	1293.7	1181.4	*1055.4*	937.7	897.0	884.1
12.5°	1060.0	1206.0	1298.6	1322.9	1279.5	1156.4	*1015.9*	889.2	841.3	830.1
15°	1032.1	1162.9	1239.6	1257.2	1238.9	1141.8	*1006.4*	874.6	818.3	807.4
17.5°	1042.1	1129.6	1157.2	1167.5	1179.9	1136.7	*1032.1*	906.6	835.2	824.9
20°	1079.7	1094.5	1080.2	1093.1	1126.4	1141.7	*1093.3*	983.8	898.1	884.4
22.5°	1143.6	1076.3	1036.1	1041.3	1081.8	1158.2	*1186.9*	1094.0	995.2	978.0
25°	1218.0	1091.0	1011.7	1007.1	1048.8	1180.0	*1272.5*	1214.0	1110.0	1091.0
27.5°	1311.6	1124.0	1006.7	1002.1	1037.2	1200.4	*1343.6*	1332.6	1231.0	1198.5
30°	1383.8	1156.5	1021.6	1011.0	1048.8	1214.6	*1400.6*	1433.3	1327.3	1305.8
32.5°	1435.6	1194.8	1045.7	1030.4	1081.3	1239.0	*1444.6*	1525.5	1416.5	1383.8
35°	1475.1	1236.5	1084.7	1059.6	1126.0	1276.1	*1485.9*	1623.6	1511.3	1475.6
37.5°	1512.0	1295.0	1145.7	1115.7	1196.1	1335.8	*1529.5*	1735.0	1617.4	1574.8
40°	1563.5	1361.2	1239.7	1213.0	1314.0	1417.2	*1583.9*	1851.1	1738.0	1684.5
42.5°	1615.0	1432.3	1335.9	1343.1	1461.0	1516.0	*1654.2*	1973.8	1857.2	1800.0
45°	1662.1	1505.6	1473.0	1506.3	1597.5	1624.5	*1724.0*	2044.8	1952.3	1897.0
47.5°	1704.0	1597.3	1609.2	1697.9	1752.8	1722.6	*1776.2*	2106.0	2023.1	1974.4
50°	1752.8	1715.8	1788.7	1914.3	1931.5	1811.5	*1823.7*	2178.5	2105.9	2066.7
52.5°	1806.1	1840.8	1987.6	2098.2	2092.7	1908.0	*1871.5*	2259.7	2219.3	2182.5
55°	1866.6	1941.8	2162.7	2270.4	2265.7	2015.8	*1950.6*	2360.1	2361.5	2328.2
57.5°	1956.5	2028.7	2281.5	2409.7	2417.6	2140.2	*2084.8*	2472.6	2490.1	2467.9
59°	2020.9	2085.0	2328.6	2467.9	2500.1	2236.4	*2182.8*	2537.9	2526.3	2506.1
60°	2068.7	2120.9	2351.9	2498.3	2548.0	2301.7	*2255.1*	2576.2	2530.6	2506.1
62.5°	2186.8	2198.9	2394.0	2532.7	2603.1	2446.6	*2458.7*	2641.4	2500.8	2460.7
65°	2242.0	2248.2	2393.4	2471.1	2549.8	2559.5	*2643.4*	2643.4	2427.9	2366.2
67.5°	*2218.9*	*2188.8*	*2274.7*	*2266.7*	*2345.3*	*2492.4*	*2712.8*	*2546.5*	*2288.5*	*2208.8*
70°	2031.5	1915.5	1877.3	1880.8	1940.9	2167.9	*2575.3*	2261.3	2024.6	1931.5
72.5°	1690.3	1412.2	1317.9	1425.5	1441.2	1666.1	*2194.7*	1702.9	1493.1	1405.8
75°	1359.5	995.5	842.2	955.7	982.4	1219.3	*1697.8*	1060.6	872.1	804.1
77.5°	976.7	714.5	604.3	596.4	630.8	773.3	*1204.7*	533.8	445.2	415.5
80°	554.9	470.3	506.4	477.8	495.2	483.5	*572.4*	234.1	191.8	179.3
82.5°	334.9	278.0	301.0	250.6	317.1	276.2	*220.5*	75.0	65.1	61.9
85°	217.9	151.9	79.1	53.0	109.3	176.5	*49.3*	20.4	15.7	12.5
87.5°	75.1	38.7	3.9	1.7	11.7	32.9	*1.8*	0.0	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

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.

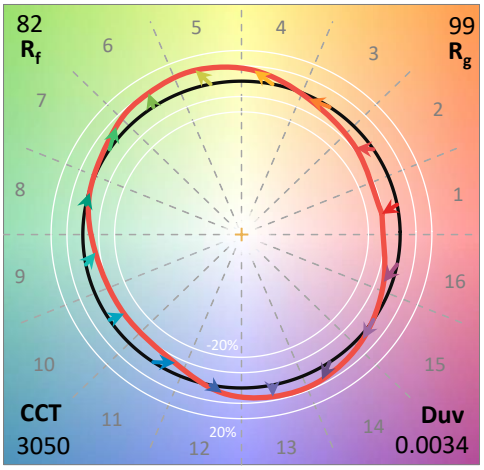
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				
Rf:	81.5				
Rg:	99.2				



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

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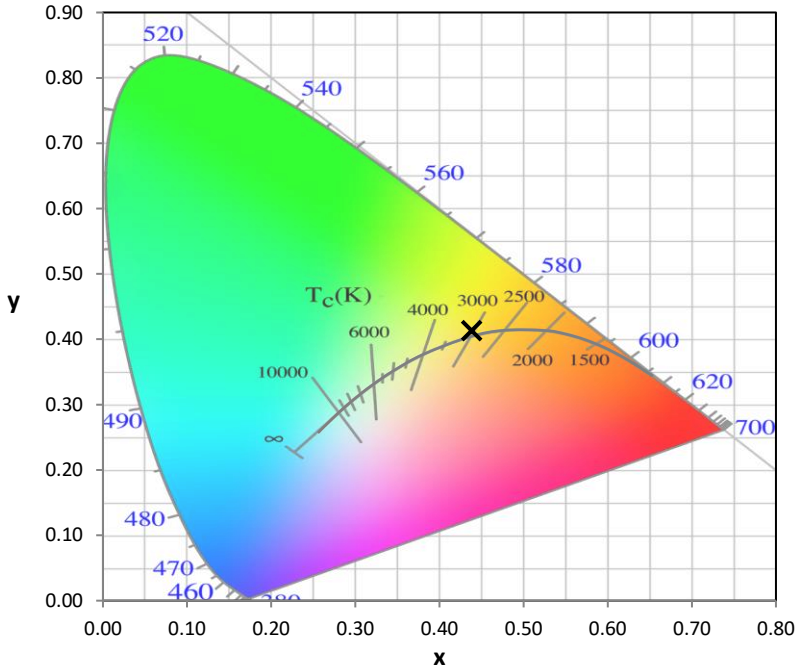
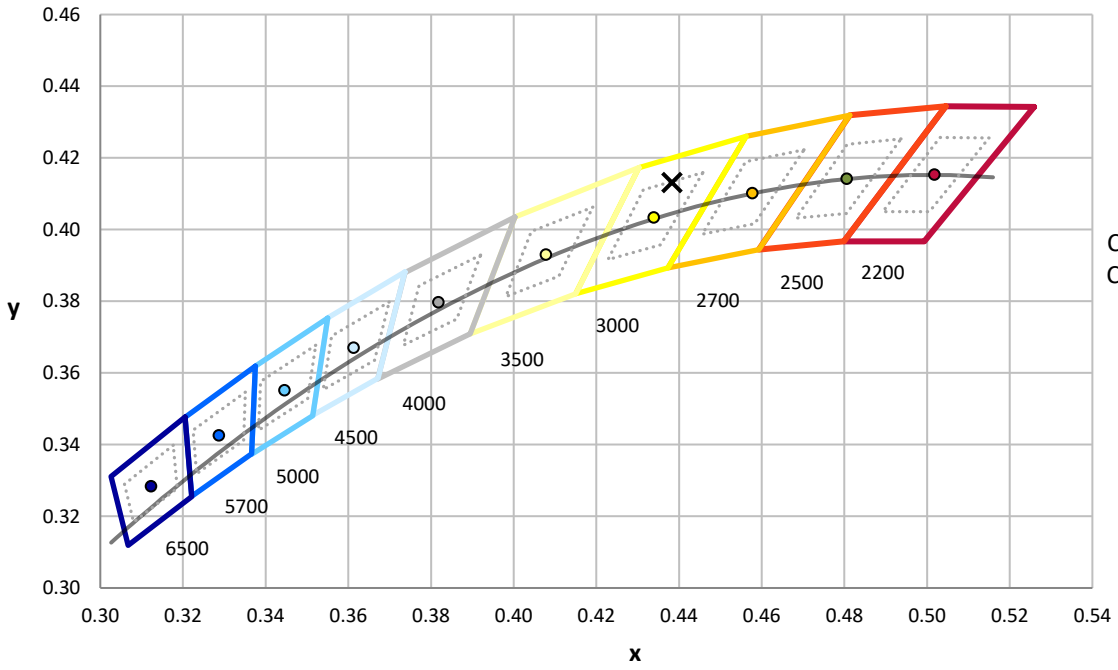
CIE 1931 Chromaticity Diagram



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

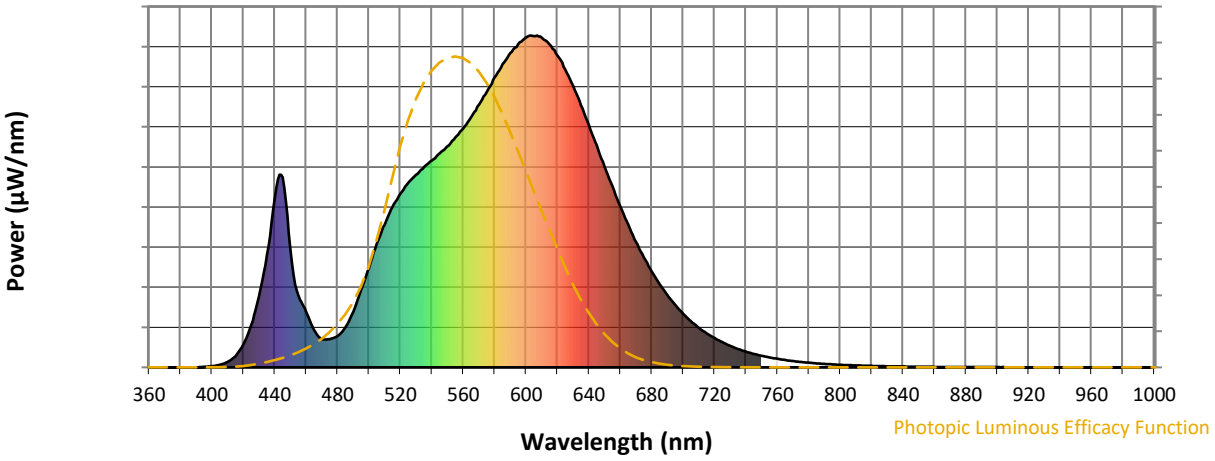


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

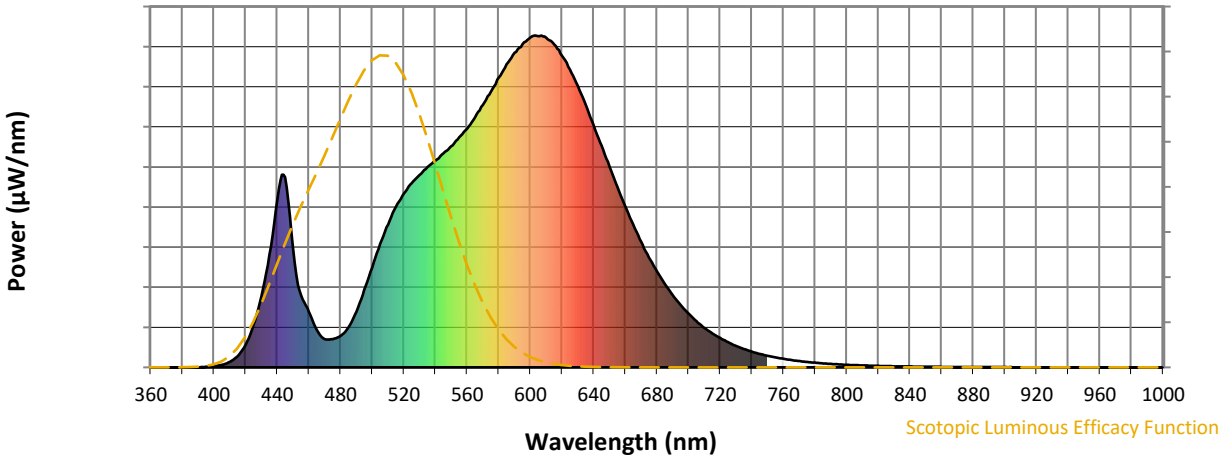


Photopic Lumens: NR

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

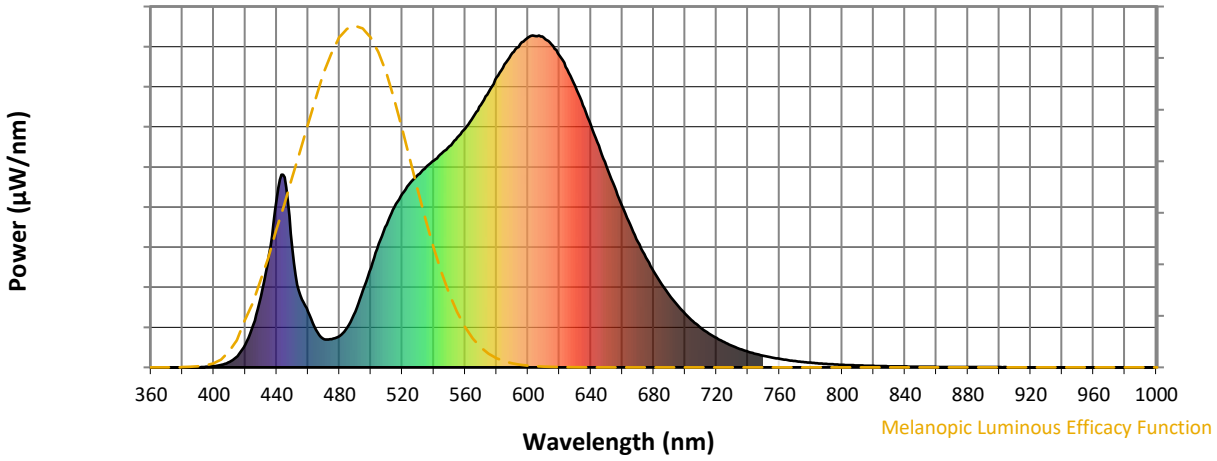


Scotopic Lumens: NR **S/P: 1.27**

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			

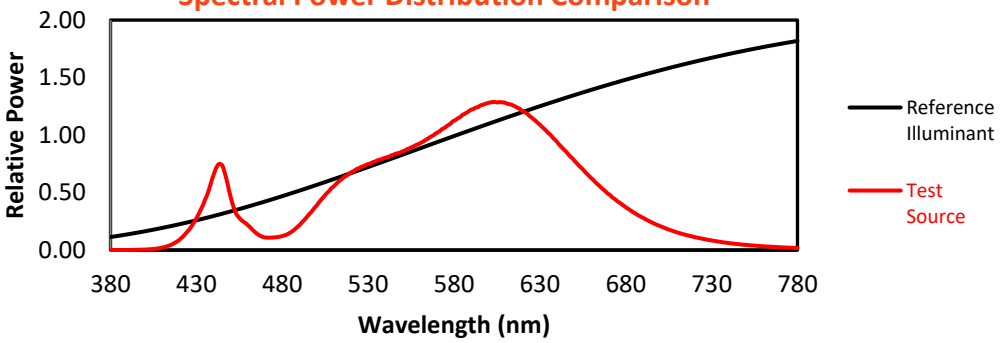
REPORT NUMBER: SP1-2408-195-9

TM-30-18

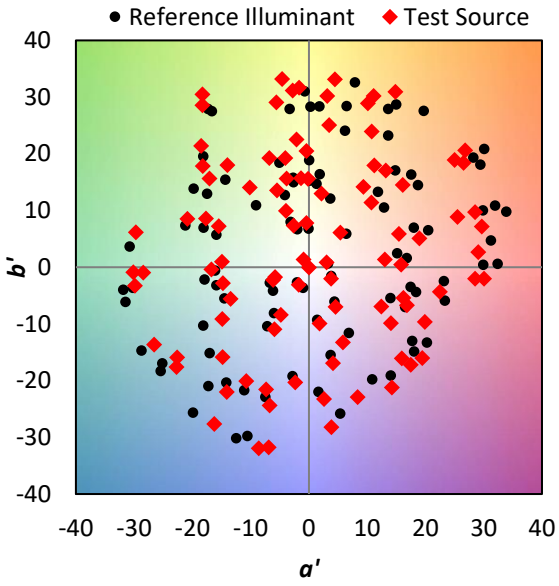
Summary

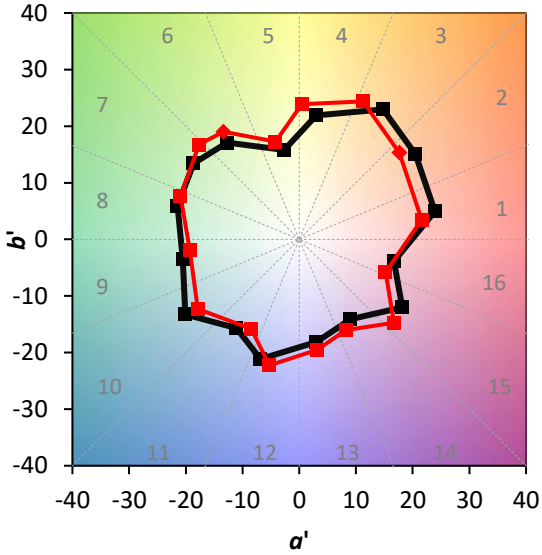
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

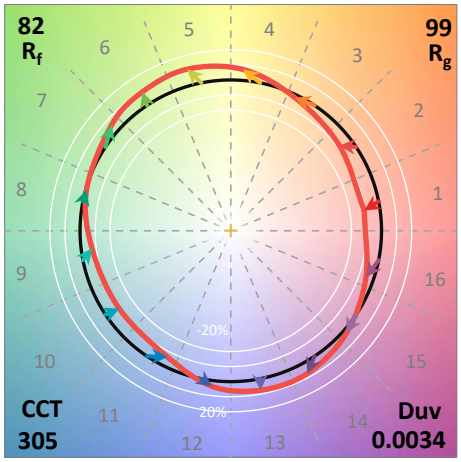
Spectral Power Distribution Comparison

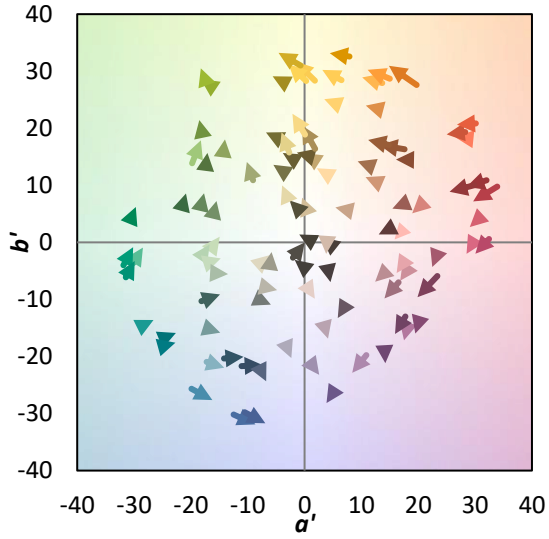


Color Vector Graphics







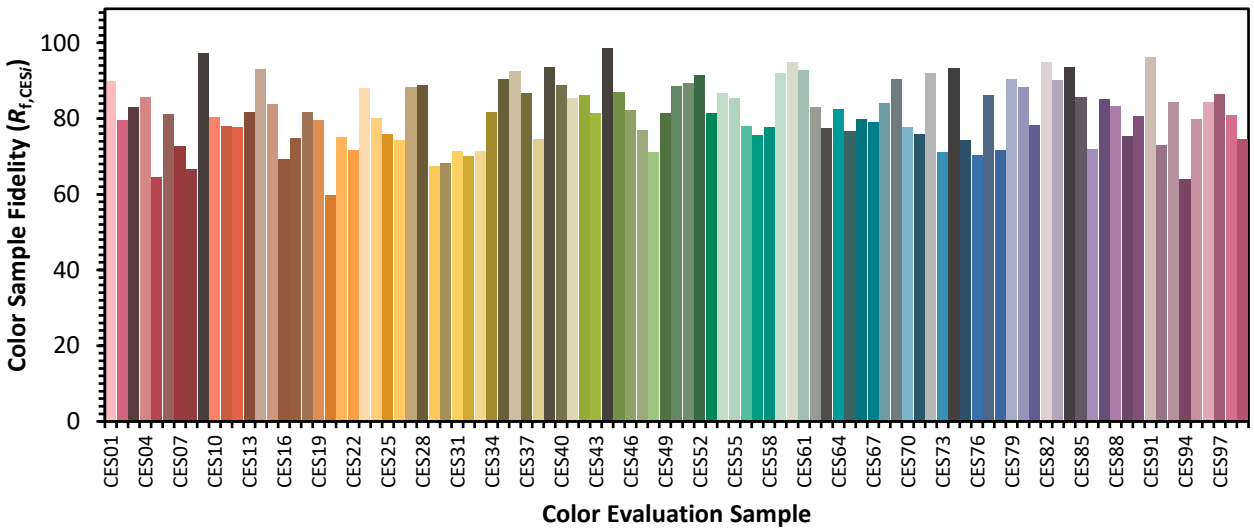


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
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
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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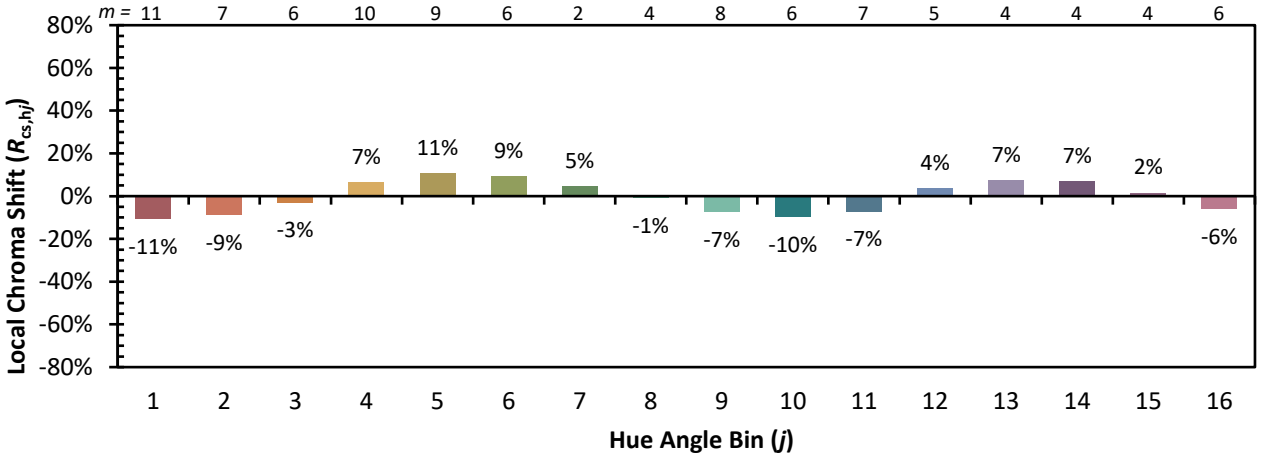
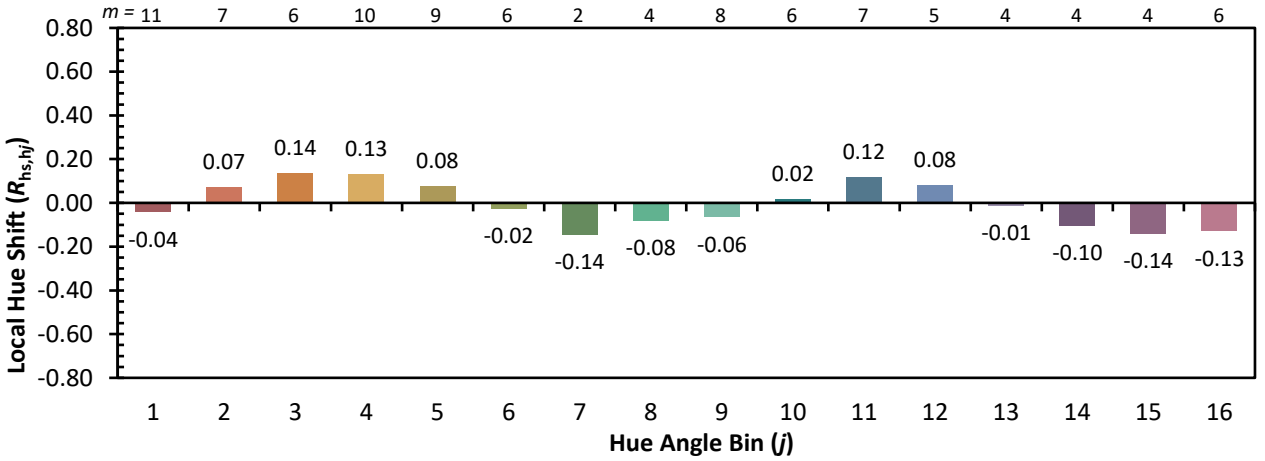
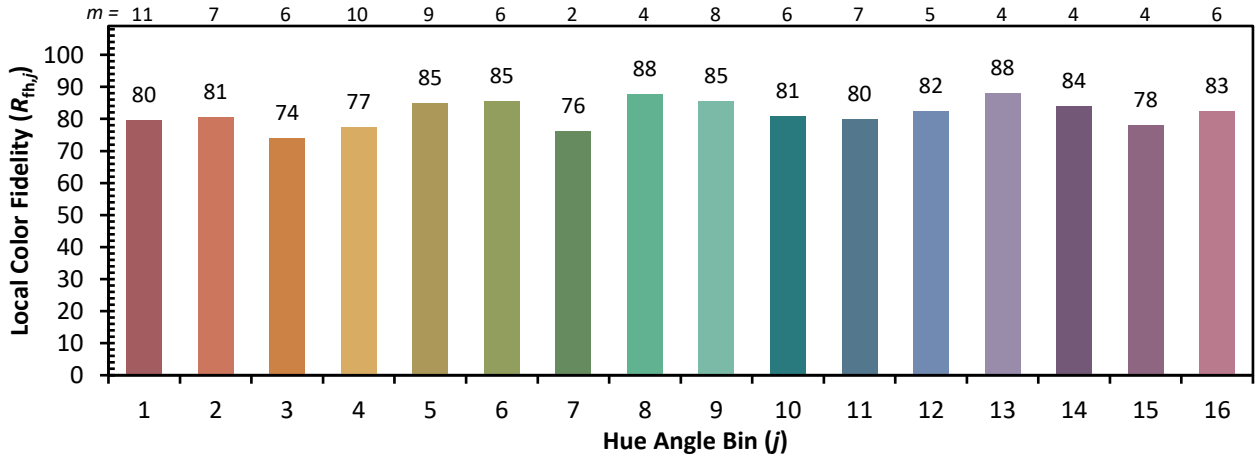
Color Rendition by Hue-Angle Bin







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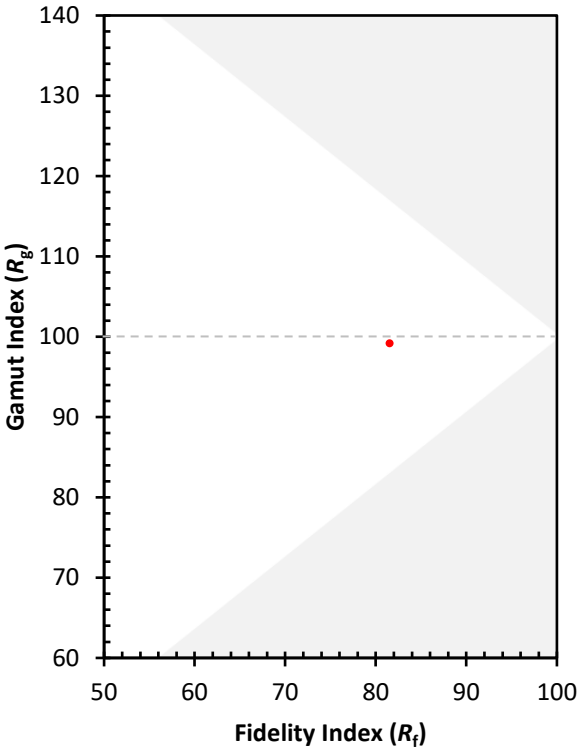
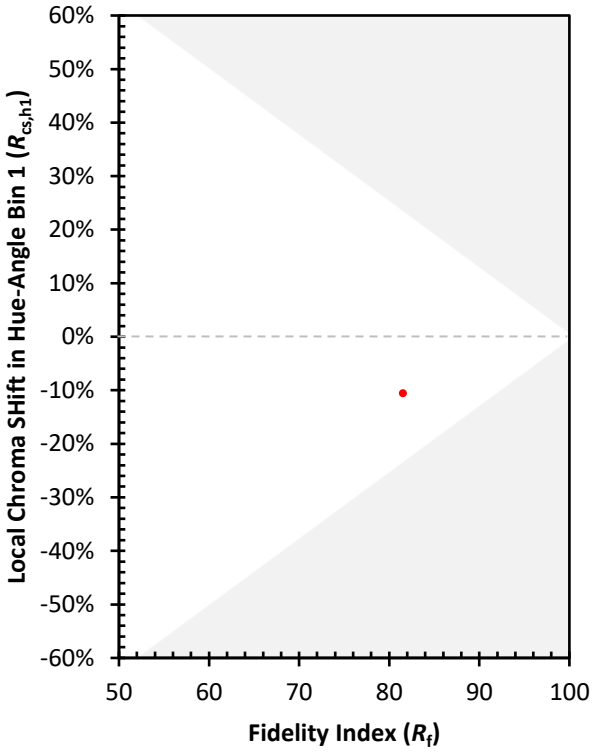
Measure Comparisons





(END OF REPORT)