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: P386726

Luminaire Tested: **GPC-SA2B-830-U-SLL-HSS**

Issue Date: 3/3/2020

Report Generated By 670245982

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P386726
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2B-830-U-SLL-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7026 lumens
Efficiency:	N/A
Efficacy:	82.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	85
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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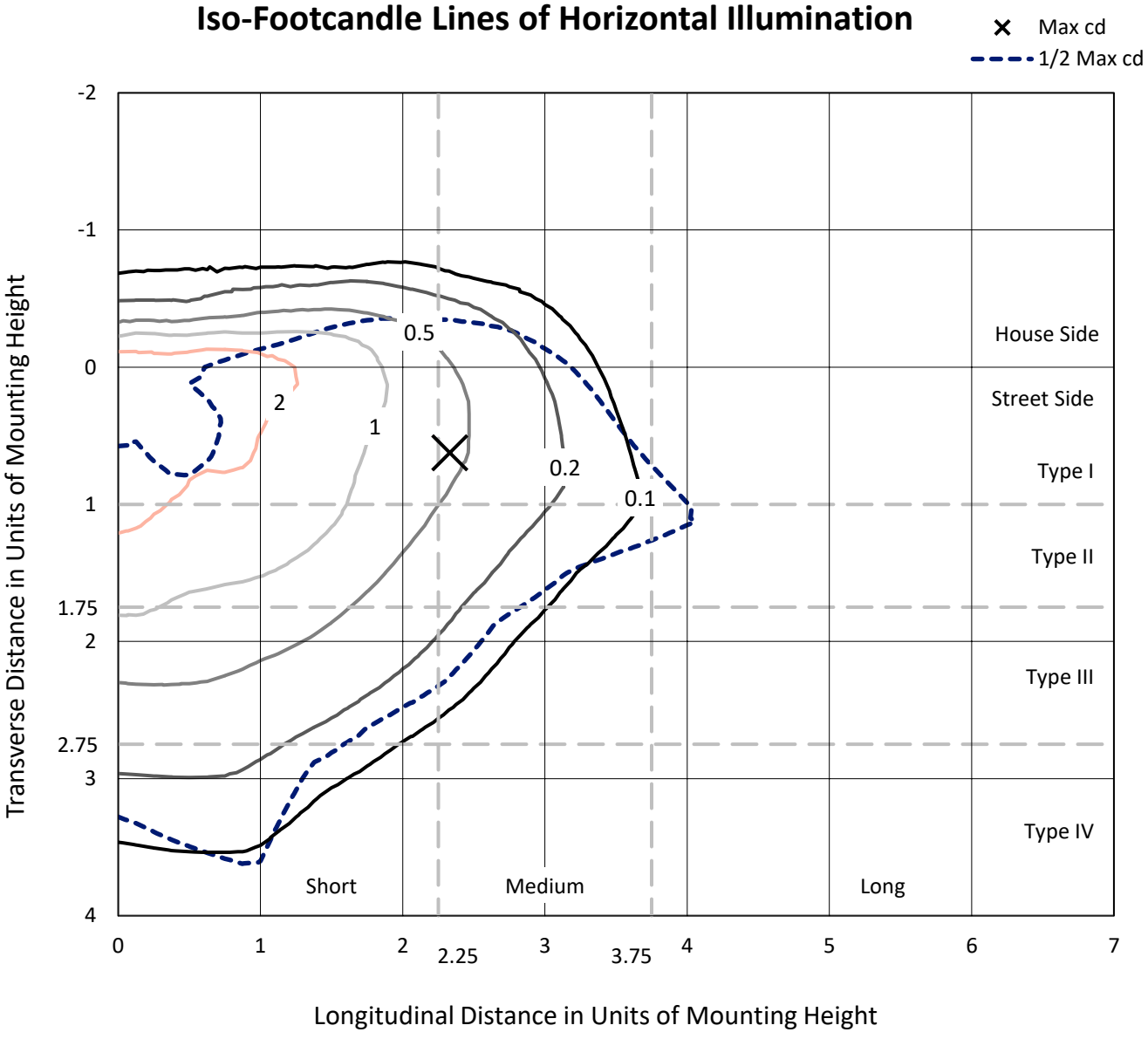
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type III - Medium - N/A

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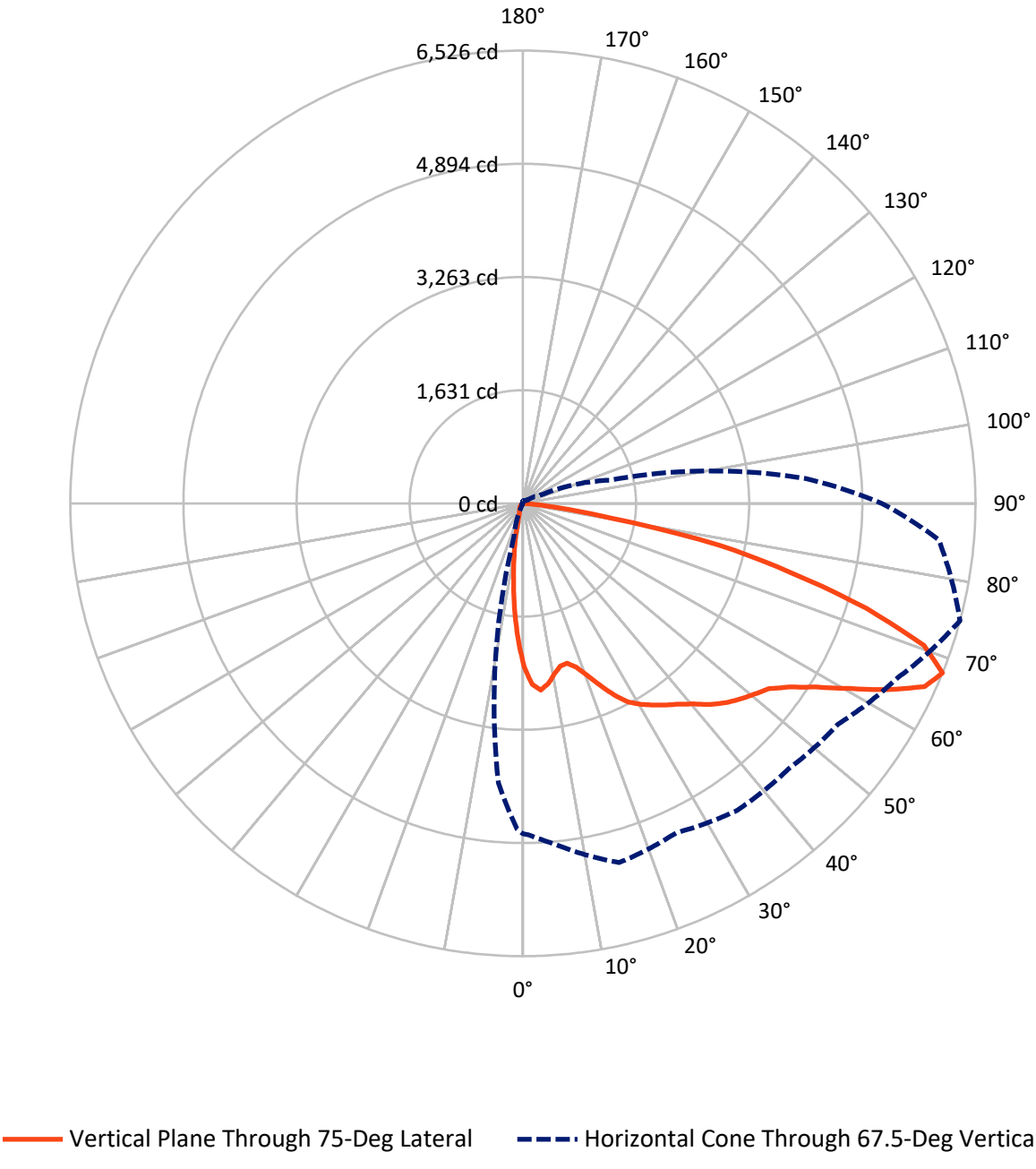
Luminous Intensity Polar Plot



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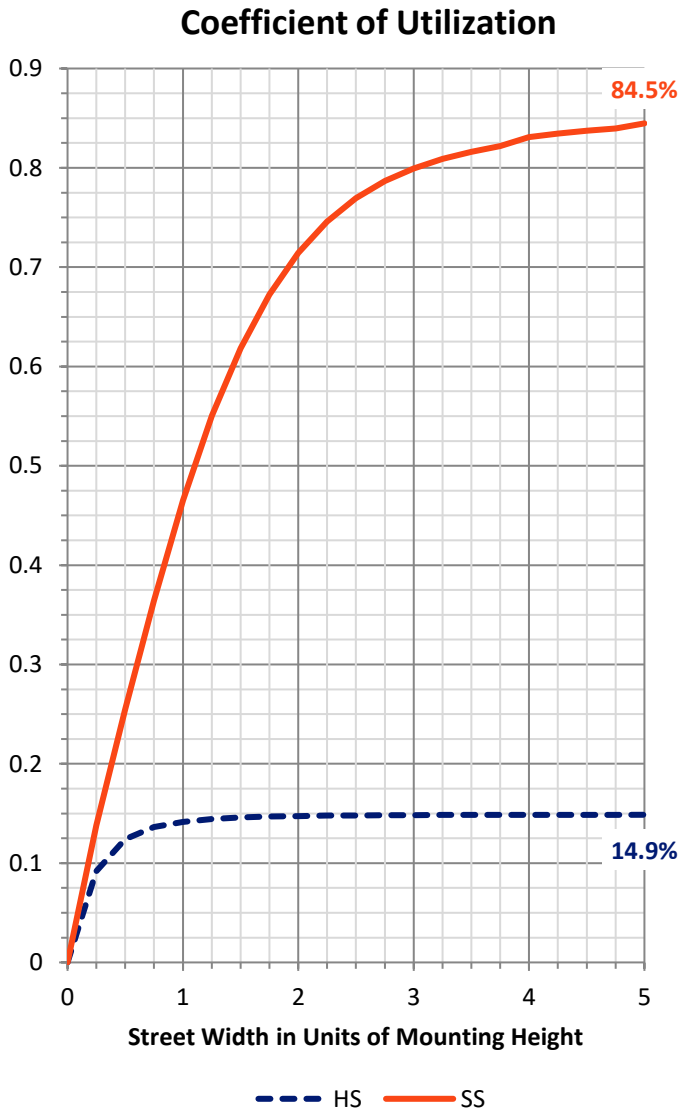
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1054.3	0.0	1054.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	5971.7	0.0	5971.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	7026.0	0.0	7026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	2.5
10°-20°	352.1	5.0
20°-30°	498.1	7.1
30°-40°	732.3	10.4
40°-50°	1052.5	15.0
50°-60°	1481.7	21.1
60°-70°	1730.5	24.6
70°-80°	882.8	12.6
80°-90°	117.3	1.7
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°	7026.0	100.0
0°-180°	7026.0	100.0



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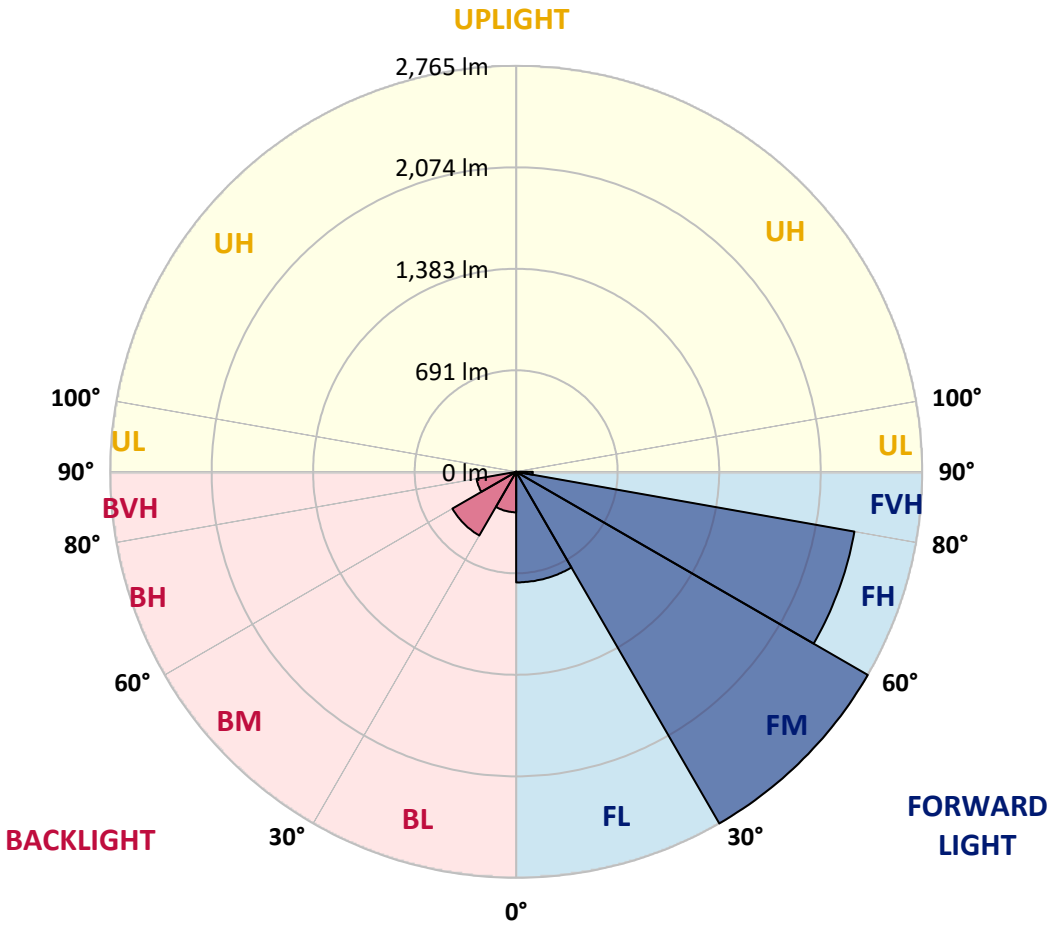
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	753.2	10.7			
FM	(30°-60°)	2765.3	39.4			
FH	(60°-80°)	2339.5	33.3			G2/5000
FVH	(80°-90°)	113.7	1.6			G2/225
BL	(0°-30°)	275.7	3.9	B1/500		
BM	(30°-60°)	501.2	7.1	B1/1000		
BH	(60°-80°)	273.9	3.9	B1/500		G1/500
BVH	(80°-90°)	3.6	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	*2357.1*	2357.1
2.5°	2555.1	2559.1	2579.8	2627.7	2679.9	2683.9	2719.2	2682.9	2670.6	*2612.1*	2551.5
5°	2574.4	2589.8	2660.6	2801.4	2923.6	2962.9	2990.8	2919.6	2844.7	*2701.6*	2548.8
7.5°	2419.0	2444.6	2556.1	2820.4	3038.7	3135.3	3153.6	3042.1	2858.7	*2623.0*	2393.4
10°	2220.0	2249.3	2383.7	2708.6	3008.5	3173.9	3199.2	3053.1	2789.4	*2495.9*	2225.3
12.5°	2058.9	2093.2	2230.6	2582.8	2904.3	3087.3	3137.3	3016.1	2729.5	*2405.7*	2110.5
15°	1984.7	2023.9	2168.4	2501.6	2788.8	2932.9	2974.2	2921.9	2696.3	*2391.4*	2083.8
17.5°	2027.3	2069.9	2219.0	2508.5	2680.3	2741.9	2775.1	2796.4	2696.3	*2477.6*	2161.7
20°	2202.0	2247.9	2405.7	2579.4	2590.4	2567.5	2603.1	2678.0	2727.5	*2641.3*	2348.8
22.5°	2443.6	2497.6	2675.6	2700.9	2546.5	2459.6	2464.3	2581.8	2784.5	*2849.0*	2608.4
25°	2738.2	2804.1	2985.2	2882.0	2564.8	2395.4	2393.7	2502.5	2840.0	*3057.0*	2897.6
27.5°	3030.8	3103.3	3262.4	3103.0	2640.3	2383.7	2380.4	2478.6	2894.3	*3242.1*	3213.5
30°	3276.0	3346.6	3483.7	3263.1	2721.9	2411.0	2395.0	2504.2	2926.6	*3362.2*	3443.8
32.5°	3475.7	3532.3	3643.2	3373.2	2809.1	2463.9	2429.3	2572.8	2981.5	*3463.8*	3655.5
35°	3695.4	3755.0	3799.3	3478.1	2906.9	2540.2	2490.6	2681.6	3066.0	*3566.9*	3887.5
37.5°	3946.0	4005.3	4000.0	3573.9	3031.1	2666.3	2634.7	2854.0	3197.5	*3669.1*	4146.4
40°	4191.3	4251.9	4208.6	3678.8	3176.9	2874.3	2851.0	3113.0	3373.6	*3799.9*	4449.9
42.5°	4421.0	4486.5	4394.0	3778.0	3350.6	3136.6	3176.5	3446.5	3593.9	*3961.0*	4711.5
45°	4606.0	4672.9	4549.5	3874.5	3533.7	3454.8	3574.9	3815.9	3858.8	*4097.1*	4888.3
47.5°	4740.5	4803.7	4657.3	3971.0	3768.0	3843.9	4053.2	4203.3	4098.1	*4215.3*	5013.8
50°	4826.4	4875.6	4688.9	4091.8	4075.5	4297.8	4551.5	4624.7	4323.5	*4321.8*	5166.2
52.5°	4881.0	4903.3	4712.2	4218.0	4396.4	4792.1	5039.4	5062.3	4555.4	*4439.0*	5371.5
55°	5069.0	5087.0	4877.3	4370.7	4661.6	5225.1	5480.7	5459.4	4818.0	*4668.3*	5613.8
57.5°	5389.9	5408.8	5218.4	4590.4	4876.3	5492.7	5800.6	5838.8	5125.9	*4990.5*	5873.5
60°	5550.9	5586.2	5518.3	4868.6	5084.3	5663.8	6018.6	6140.7	5510.7	*5415.1*	6125.1
62.5°	5404.8	5456.1	5554.6	5177.2	5291.0	5758.0	6086.5	6248.9	5904.7	*5910.1*	6280.2
65°	5113.3	5154.2	5321.3	5346.3	5410.8	5746.3	5918.7	6097.8	6146.0	*6364.7*	6271.9
67.5°	*4761.1*	*4776.4*	*4918.2*	*5359.6*	*5237.1*	*5396.2*	*5414.8*	*5547.3*	*5955.3*	*6525.8*	*6019.9*
70°	4254.2	4262.6	4386.4	4913.9	4500.5	4535.5	4507.9	4534.8	5119.9	*6133.4*	5383.9
72.5°	3423.8	3444.8	3620.9	4080.8	3278.7	3177.9	3394.9	3382.9	3943.0	*5181.8*	3998.6
75°	2520.9	2557.1	2823.1	3287.0	2301.2	2081.5	2239.9	2282.2	2803.1	*4008.3*	2500.6
77.5°	1765.0	1792.0	2049.6	2416.3	1665.5	1488.4	1431.2	1481.4	1850.2	*2899.6*	1259.8
80°	1016.8	1026.8	1191.2	1395.2	1122.3	1284.1	1163.2	1197.9	1108.7	*1290.0*	541.8
82.5°	665.3	667.0	731.2	830.4	698.9	812.1	601.1	768.5	682.0	*518.2*	176.4
85°	359.5	361.5	424.0	589.4	395.7	223.7	131.5	269.9	421.7	*118.8*	48.3
87.5°	39.6	36.3	127.8	214.3	109.8	20.3	7.0	30.3	67.6	*7.7*	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°	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1
2.5°	2520.5	2492.9	2424.0	2351.1	2292.5	2237.6	2182.4	2114.8	2062.5	2051.9	2034.6
5°	2466.6	2379.1	2234.6	2089.5	1972.7	1825.2	1731.7	1658.8	1587.6	1583.3	1569.0
7.5°	2278.2	2163.1	1959.7	1759.0	1594.6	1454.1	1312.3	1217.5	1142.9	1116.6	1101.0
10°	2097.2	1967.7	1713.7	1484.8	1338.0	1213.8	1114.0	1014.8	924.9	863.0	835.1
12.5°	1970.7	1827.6	1547.7	1350.3	1245.1	1127.3	1005.5	881.7	778.2	703.6	658.0
15°	1921.8	1769.0	1492.1	1297.0	1167.2	1018.1	862.4	720.9	606.1	538.5	497.6
17.5°	1980.0	1802.3	1487.8	1232.1	1050.7	865.4	693.3	526.2	418.0	366.8	340.5
20°	2127.8	1908.1	1486.1	1152.6	912.3	684.3	469.6	346.1	280.6	252.0	239.6
22.5°	2336.8	2043.2	1499.4	1074.0	768.2	488.9	324.2	254.3	220.7	205.4	198.4
25°	2605.7	2233.0	1537.0	1002.8	632.7	364.8	252.6	213.0	189.4	177.4	172.4
27.5°	2892.3	2451.3	1595.6	940.9	522.5	290.9	216.3	182.4	165.4	157.1	152.4
30°	3128.6	2704.2	1654.8	872.0	442.7	253.6	198.0	166.4	146.8	141.5	137.1
32.5°	3335.3	2895.6	1696.8	809.8	390.4	225.3	179.1	148.8	135.5	125.1	120.5
35°	3549.3	3055.0	1695.4	766.2	354.5	204.0	163.1	133.1	117.2	105.2	101.5
37.5°	3781.0	3235.1	1666.5	728.9	338.8	187.1	154.1	124.8	108.8	96.9	92.2
40°	4052.2	3424.2	1636.9	694.0	334.5	173.4	147.8	118.2	101.2	89.5	84.9
42.5°	4316.5	3594.6	1610.9	668.0	315.9	173.1	142.1	113.2	95.2	83.9	78.5
45°	4527.8	3753.3	1605.9	652.3	296.2	179.1	139.1	109.8	90.5	79.2	74.2
47.5°	4703.6	3925.7	1637.9	641.4	277.6	163.4	146.4	107.5	86.2	75.2	69.6
50°	4912.6	4137.4	1713.1	623.4	257.9	147.1	167.7	108.2	82.5	71.2	65.2
52.5°	5204.1	4430.3	1823.6	593.1	231.0	132.1	165.1	108.8	78.5	66.9	60.9
55°	5531.0	4796.1	1942.4	542.8	193.4	112.5	141.5	104.2	70.9	62.2	56.6
57.5°	5874.5	5127.9	2013.0	482.9	153.8	97.2	113.2	94.9	62.6	55.9	52.3
60°	5928.4	5254.1	1980.7	409.4	122.1	84.5	83.9	96.5	55.9	49.3	46.6
62.5°	5794.2	5095.6	1824.6	343.8	102.2	74.2	68.9	84.2	50.6	43.9	41.3
65°	5536.3	4667.3	1571.6	309.9	94.9	63.6	57.2	59.2	44.3	38.3	35.9
67.5°	*5177.5*	*4095.5*	*1290.4*	*290.6*	*93.9*	*54.6*	*48.9*	*44.9*	*38.3*	*33.3*	*31.3*
70°	4443.9	3411.8	1029.4	279.9	91.2	45.9	41.3	36.6	32.0	28.3	26.6
72.5°	3270.7	2417.7	800.8	268.3	91.9	36.6	35.9	30.3	25.6	22.0	21.3
75°	1889.8	1381.2	525.2	217.3	87.5	28.3	30.0	21.3	18.0	15.3	15.3
77.5°	1007.1	842.4	200.0	90.5	32.0	18.0	17.0	12.6	11.3	9.3	9.0
80°	439.0	370.8	60.2	25.3	17.6	9.7	6.3	5.7	5.0	4.0	3.7
82.5°	155.4	134.1	19.6	12.3	7.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.3	25.3	0.0	3.0	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°	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1
2.5°	1999.3	1992.0	1948.7	1950.4	1958.0	1969.0	1943.1	1955.0	1987.3	2018.3	2029.9
5°	1546.0	1547.7	1521.4	1537.7	1552.3	1562.3	1520.4	1521.0	1546.7	1581.6	1599.9
7.5°	1089.4	1086.7	1088.0	1127.0	1154.6	1134.6	1150.3	1096.0	1099.3	1124.3	1105.7
10°	809.8	773.2	752.5	781.8	812.1	801.1	774.2	756.5	768.8	796.5	794.5
12.5°	636.4	583.8	552.8	531.9	556.8	536.2	535.5	520.2	503.6	506.6	550.8
15°	478.6	440.3	403.7	370.1	369.4	362.5	326.8	286.9	283.6	285.6	308.5
17.5°	329.2	316.2	301.2	272.3	264.6	235.3	200.7	184.7	176.7	180.4	188.0
20°	231.3	226.3	228.0	212.3	201.4	173.4	153.1	146.8	145.4	149.1	152.8
22.5°	191.7	182.7	181.7	174.7	163.8	143.4	132.5	128.8	127.1	130.5	133.1
25°	167.7	158.8	155.1	150.8	139.1	125.1	118.5	115.2	113.5	115.5	117.2
27.5°	147.8	139.5	136.1	133.1	121.8	111.8	106.5	103.5	102.2	102.8	104.5
30°	132.8	125.5	121.2	117.5	107.8	100.8	96.2	93.2	91.9	91.9	93.5
32.5°	117.2	113.2	109.2	104.5	95.5	90.9	86.2	82.9	81.5	81.9	83.2
35°	97.5	96.2	97.2	92.9	85.2	81.2	76.6	72.9	71.9	72.2	73.6
37.5°	86.5	80.5	84.2	81.9	77.5	72.2	66.2	62.9	61.2	62.2	62.9
40°	79.5	72.2	69.6	71.9	71.2	62.6	57.2	53.9	52.6	52.9	53.6
42.5°	73.6	64.9	58.9	58.6	62.6	54.6	48.9	45.9	44.3	44.3	44.9
45°	67.9	58.6	51.3	45.6	52.6	46.3	40.9	38.3	36.3	36.3	36.6
47.5°	63.6	53.3	44.6	37.3	39.6	37.9	33.6	31.0	29.0	29.0	29.3
50°	59.6	47.9	38.6	31.3	29.6	31.3	27.3	24.3	23.0	22.6	23.3
52.5°	55.2	42.6	33.0	26.6	23.3	23.6	21.3	19.3	17.6	17.6	18.3
55°	50.9	38.3	28.6	22.6	19.3	17.6	17.0	15.6	14.3	14.3	15.0
57.5°	46.6	33.6	24.3	18.6	15.3	14.0	14.0	13.0	12.0	12.0	12.6
60°	42.6	29.0	20.0	15.3	12.0	11.6	12.0	11.0	10.3	10.3	11.0
62.5°	37.9	24.6	16.3	12.6	9.7	9.3	10.3	9.7	9.0	9.0	9.7
65°	32.3	21.0	13.0	9.7	7.3	7.3	8.7	8.0	7.3	7.3	8.0
67.5°	*27.3*	*17.6*	*10.0*	*7.0*	*5.3*	*5.7*	*7.3*	*6.7*	*6.3*	*6.3*	*7.0*
70°	22.6	13.6	7.0	4.3	3.0	4.3	5.7	5.7	5.7	5.7	6.3
72.5°	17.0	9.3	4.0	1.7	1.3	3.0	4.7	5.3	5.0	5.0	6.0
75°	11.0	5.3	1.3	0.0	0.0	1.7	3.7	4.3	4.3	4.0	5.0
77.5°	6.3	1.7	0.0	0.0	0.0	0.0	2.3	2.0	1.7	1.3	2.3
80°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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

Scaled Data Report

REPORT NUMBER: P386726
CATALOG NUMBER: GPC-SA2B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1	2357.1
2.5°	2076.9	2116.1	2171.4	2230.0	2320.2	2391.7	2461.9	2522.2	2545.5	2555.1
5°	1643.8	1701.4	1782.3	1886.1	2048.9	2195.3	2343.8	2493.2	2558.1	2574.4
7.5°	1179.5	1253.1	1355.9	1486.1	1676.8	1866.5	2073.9	2293.2	2393.7	2419.0
10°	873.0	962.9	1080.7	1217.8	1399.9	1594.9	1820.9	2071.5	2186.4	2220.0
12.5°	619.4	740.9	898.6	1065.4	1223.2	1397.2	1625.9	1902.1	2022.6	2058.9
15°	363.8	481.3	668.0	891.3	1093.3	1269.7	1502.1	1815.3	1948.1	1984.7
17.5°	208.7	267.3	408.4	657.3	931.6	1175.9	1463.1	1836.9	1993.3	2027.3
20°	159.4	178.1	235.3	423.4	742.5	1083.7	1463.1	1959.4	2152.1	2202.0
22.5°	139.5	153.1	176.4	252.6	546.5	984.8	1480.1	2136.4	2388.4	2443.6
25°	123.8	136.1	156.1	190.0	372.8	867.4	1520.4	2353.8	2666.6	2738.2
27.5°	110.8	122.5	140.5	166.4	254.9	725.6	1574.6	2608.7	2973.5	3030.8
30°	99.2	110.2	126.5	144.8	196.7	564.8	1620.9	2849.0	3214.5	3276.0
32.5°	88.2	98.2	112.8	126.5	161.1	417.7	1625.9	3039.4	3414.5	3475.7
35°	77.9	86.9	100.2	110.8	133.5	329.8	1548.3	3204.5	3614.5	3695.4
37.5°	67.9	76.6	88.2	96.2	117.5	268.9	1429.8	3388.5	3871.1	3946.0
40°	58.6	66.2	78.2	83.5	111.2	206.7	1301.0	3581.6	4122.8	4191.3
42.5°	49.9	57.2	68.9	79.2	97.5	154.4	1161.9	3762.6	4349.1	4421.0
45°	41.6	49.3	60.9	83.9	80.9	115.5	1013.1	3882.8	4527.8	4606.0
47.5°	33.6	42.3	58.2	79.9	64.6	84.9	895.3	3996.6	4663.3	4740.5
50°	27.0	35.6	65.6	71.2	52.9	64.9	846.1	4098.5	4752.1	4826.4
52.5°	22.0	30.0	61.9	54.6	44.3	53.6	872.7	4263.6	4834.4	4881.0
55°	18.3	23.6	37.3	37.9	37.6	45.6	905.6	4500.5	5047.0	5069.0
57.5°	16.0	19.0	26.0	29.3	31.6	40.6	906.3	4840.7	5376.2	5389.9
60°	13.6	16.6	21.6	23.6	27.3	36.3	873.3	4959.5	5505.7	5550.9
62.5°	12.0	14.6	18.0	19.6	23.0	32.6	796.1	4787.4	5327.9	5404.8
65°	10.7	13.3	15.0	16.6	20.3	29.3	669.0	4443.3	5033.1	5113.3
67.5°	*9.3*	*11.6*	*13.3*	*15.0*	*18.3*	*26.0*	*492.6*	*4043.6*	*4694.6*	*4761.1*
70°	8.3	10.3	12.0	13.3	16.0	22.0	298.9	3431.1	4226.6	4254.2
72.5°	8.0	9.3	11.0	12.0	14.0	19.3	151.4	2521.5	3378.9	3423.8
75°	7.0	8.3	10.0	10.7	12.3	16.6	61.6	1656.2	2448.6	2520.9
77.5°	5.7	7.7	9.0	9.7	10.7	13.6	31.3	1058.4	1718.4	1765.0
80°	2.0	5.7	7.7	8.0	9.0	10.0	20.6	579.5	996.8	1016.8
82.5°	0.0	3.7	6.0	5.7	6.3	7.7	13.3	275.6	658.0	665.3
85°	0.0	1.7	4.7	3.7	2.7	5.3	4.7	60.2	345.1	359.5
87.5°	0.0	0.0	0.3	1.7	1.3	2.0	0.7	0.3	31.3	39.6
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

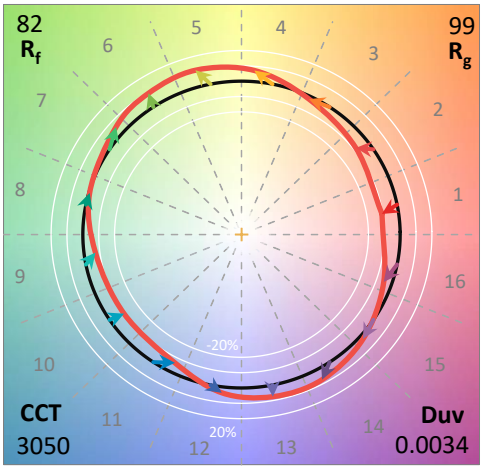
Test Information

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

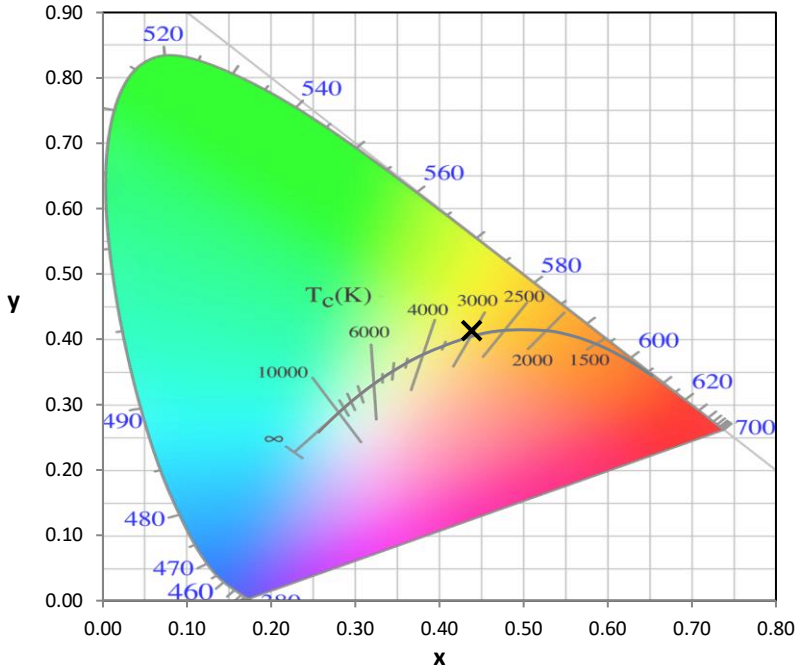
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

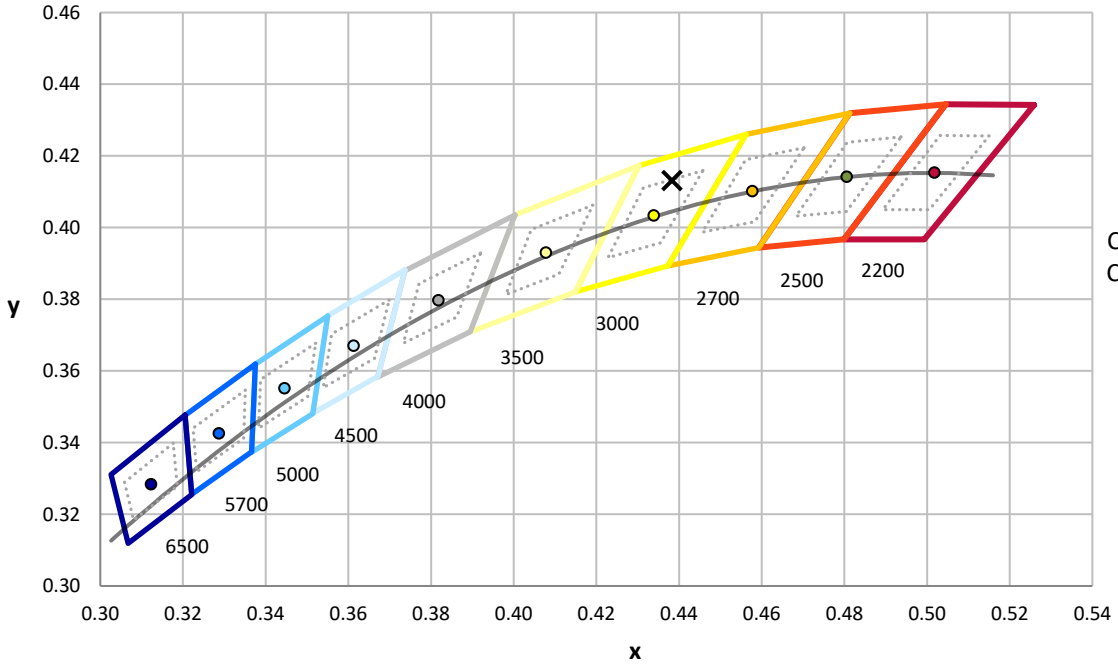
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

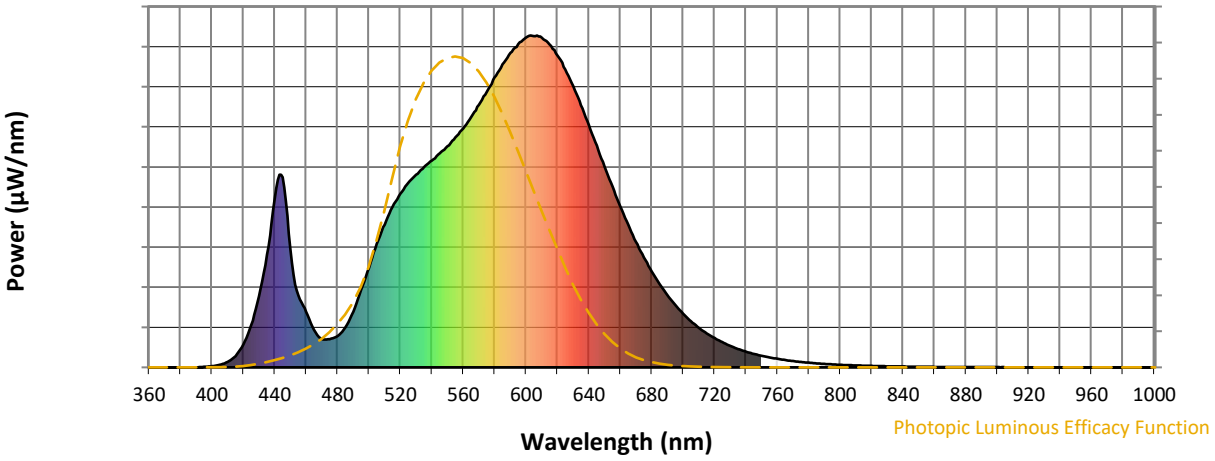


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

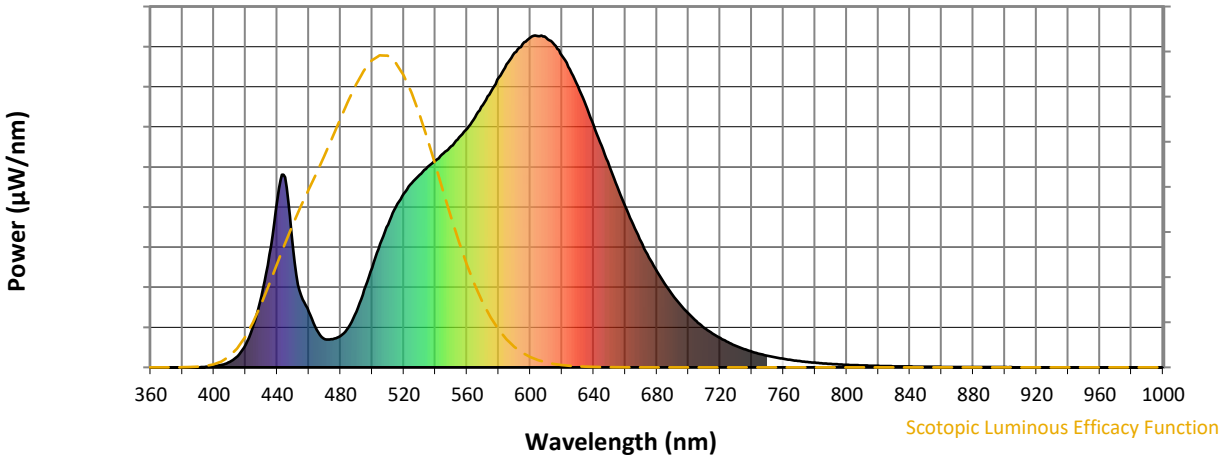


Photopic Lumens: NR

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

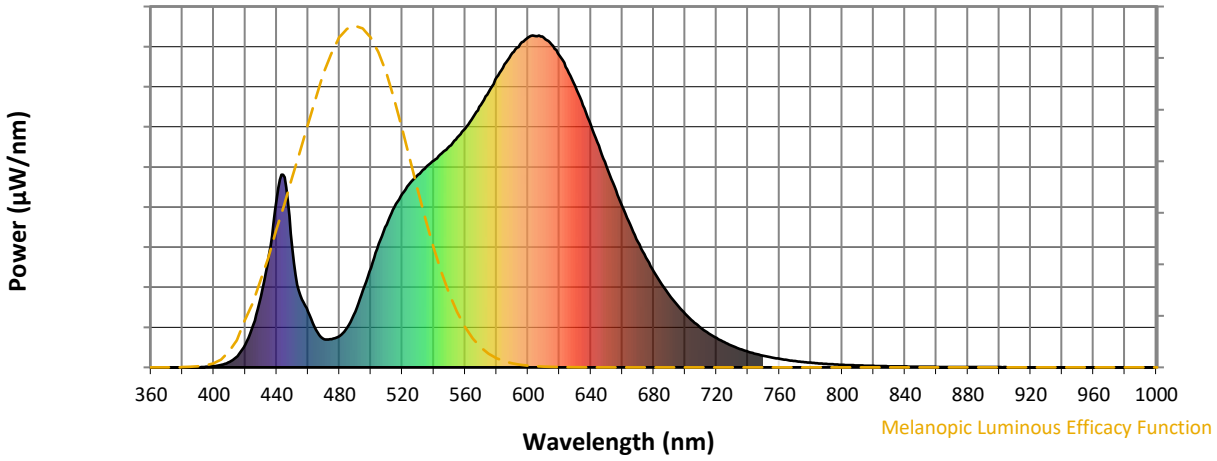


Scotopic Lumens: NR **S/P: 1.27**

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			

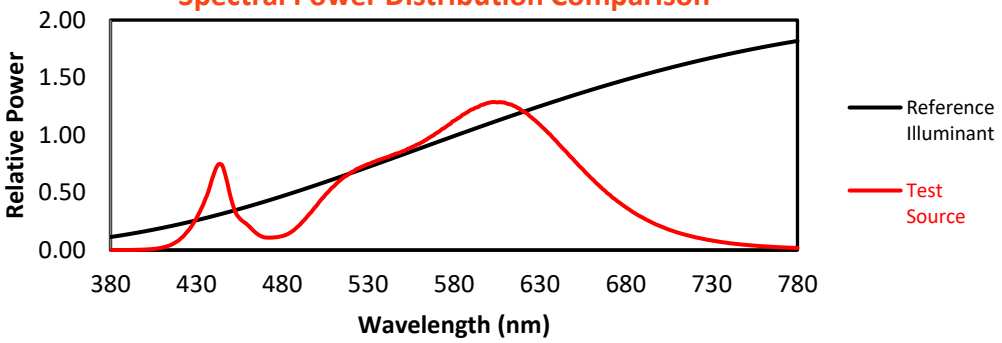
REPORT NUMBER: SP1-2408-195-9

TM-30-18

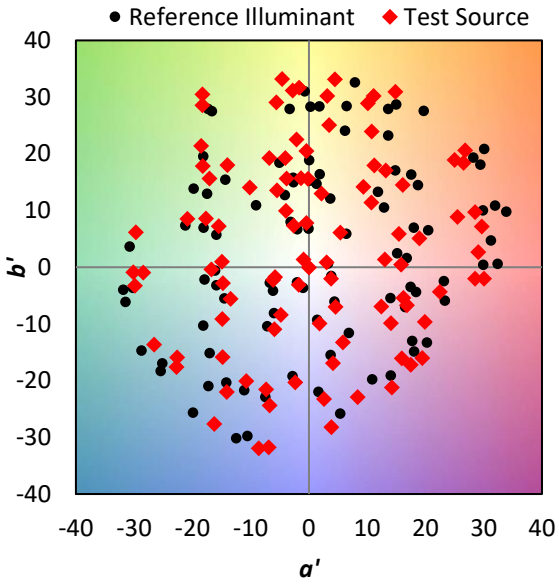
Summary

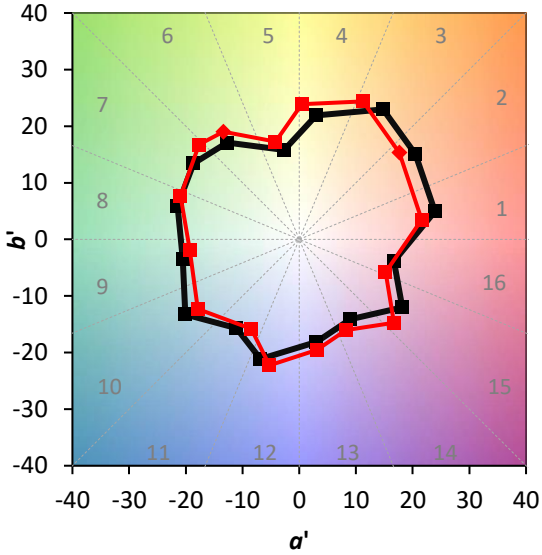
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

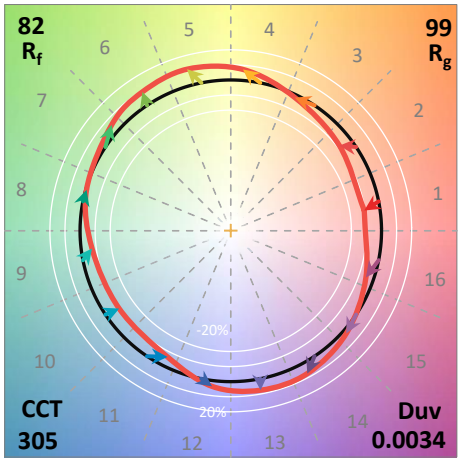
Spectral Power Distribution Comparison

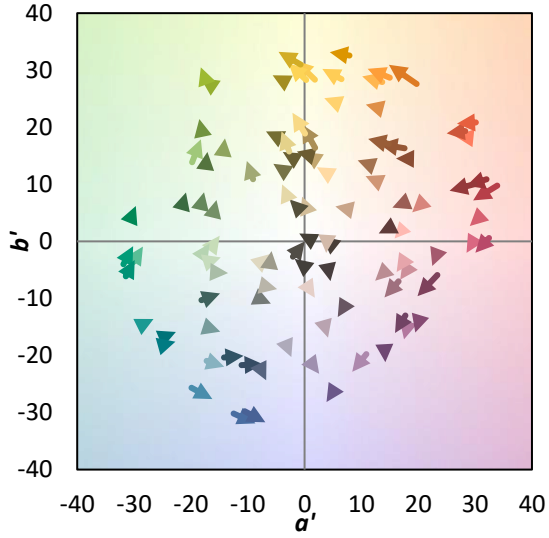


Color Vector Graphics









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
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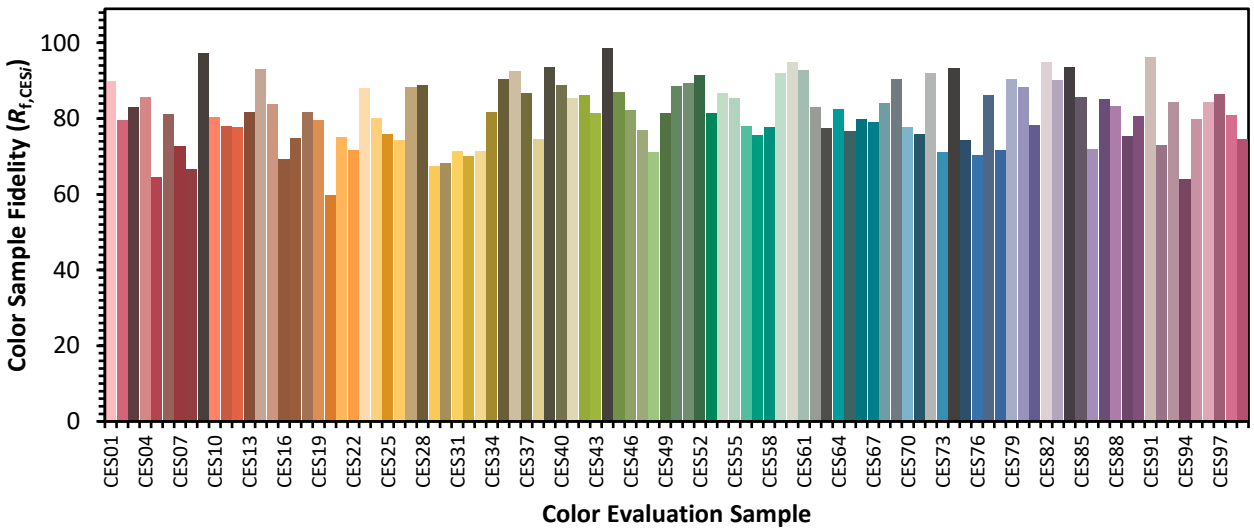

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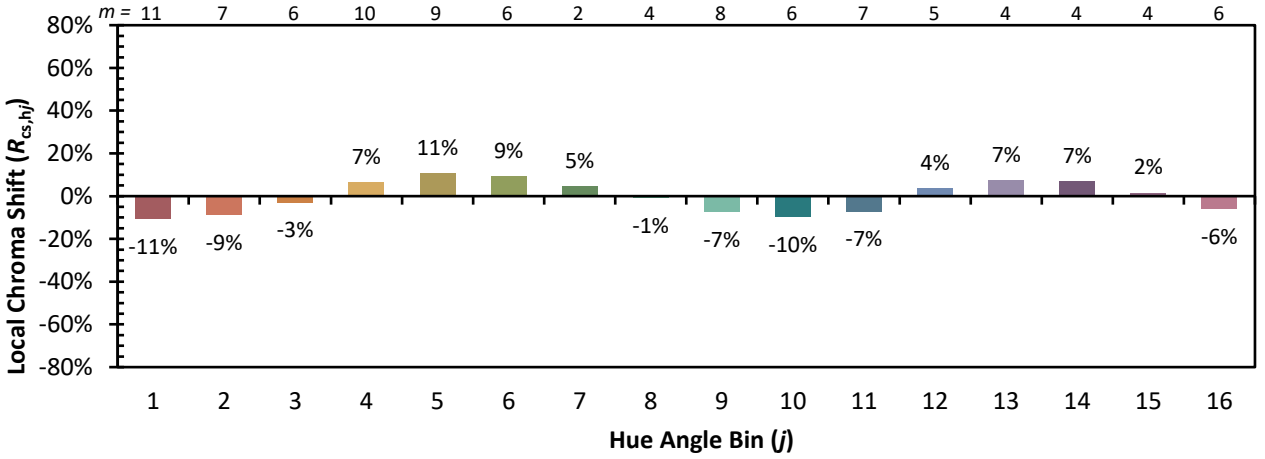
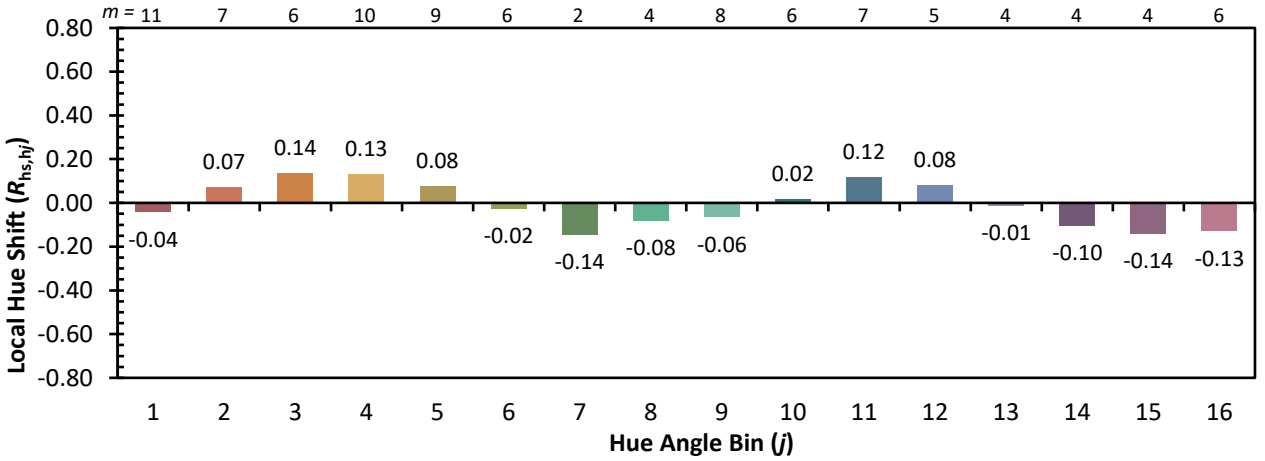
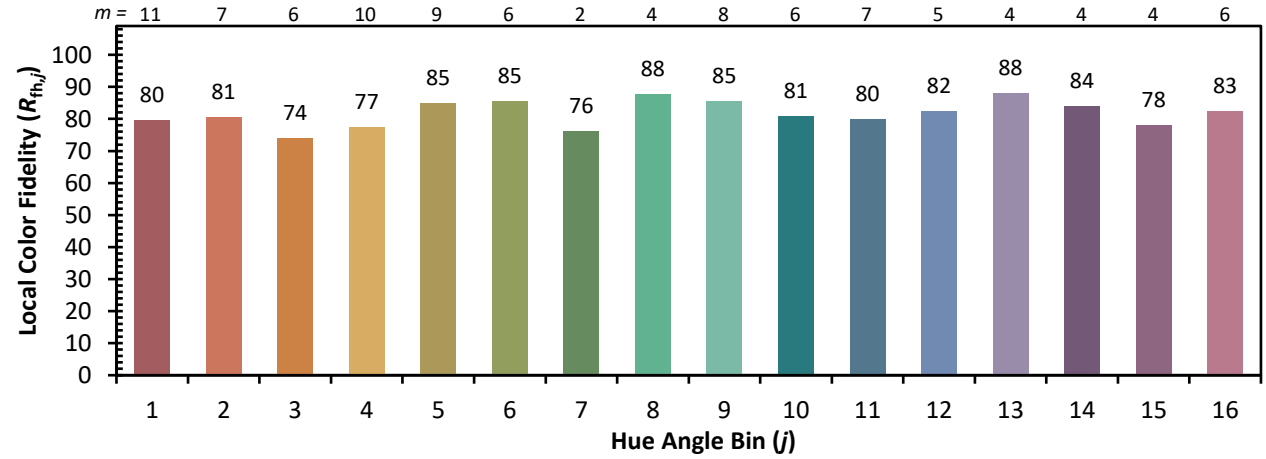
Color Rendition by Hue-Angle Bin







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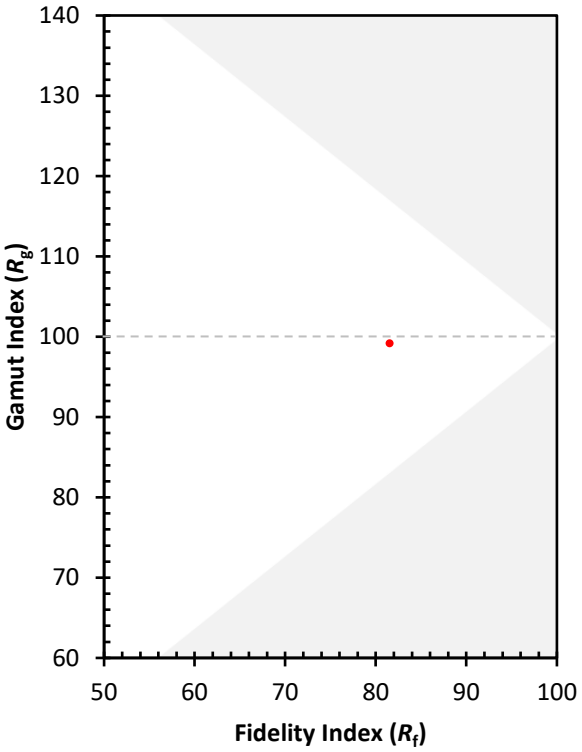
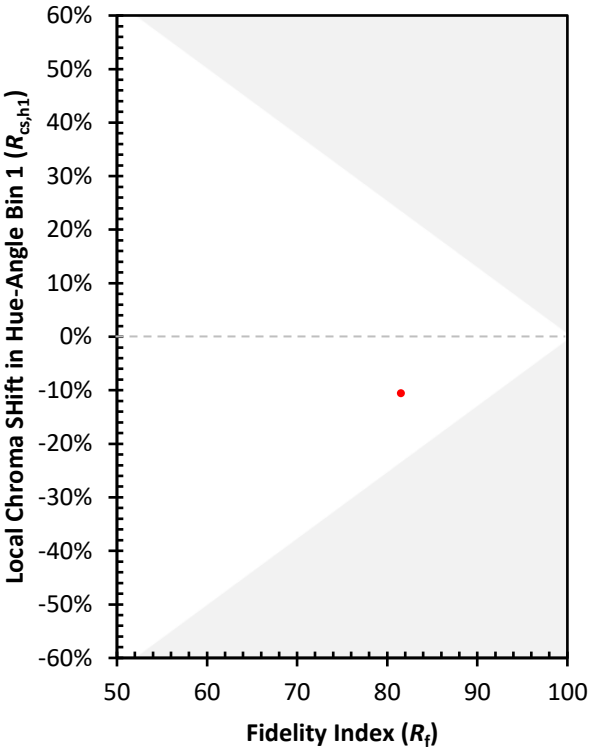
Measure Comparisons





(END OF REPORT)