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: P1501953

Luminaire Tested: GSS-SB2A-840-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501953
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-840-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6450.8 lumens
Efficiency:	N/A
Efficacy:	111.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

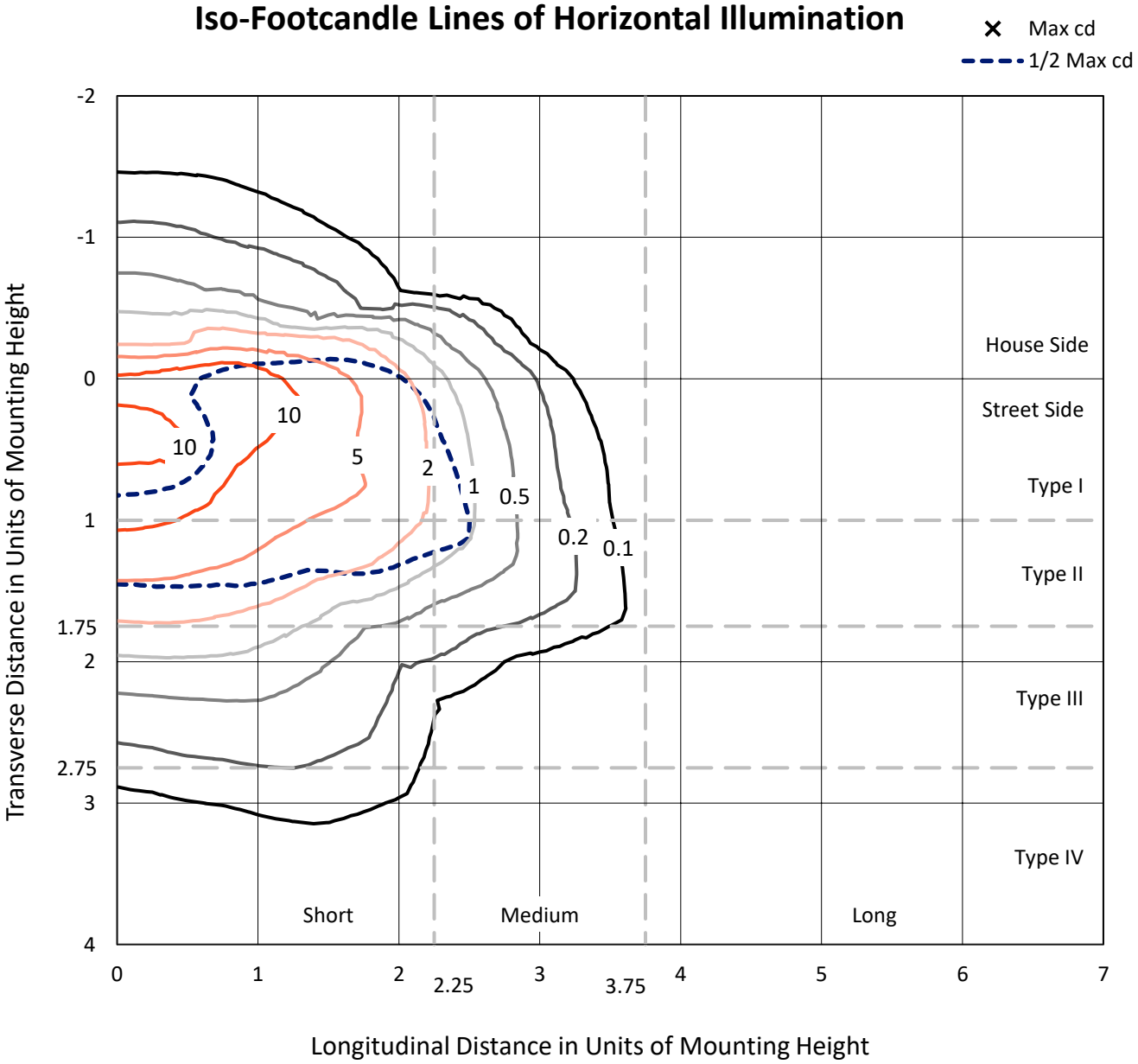
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



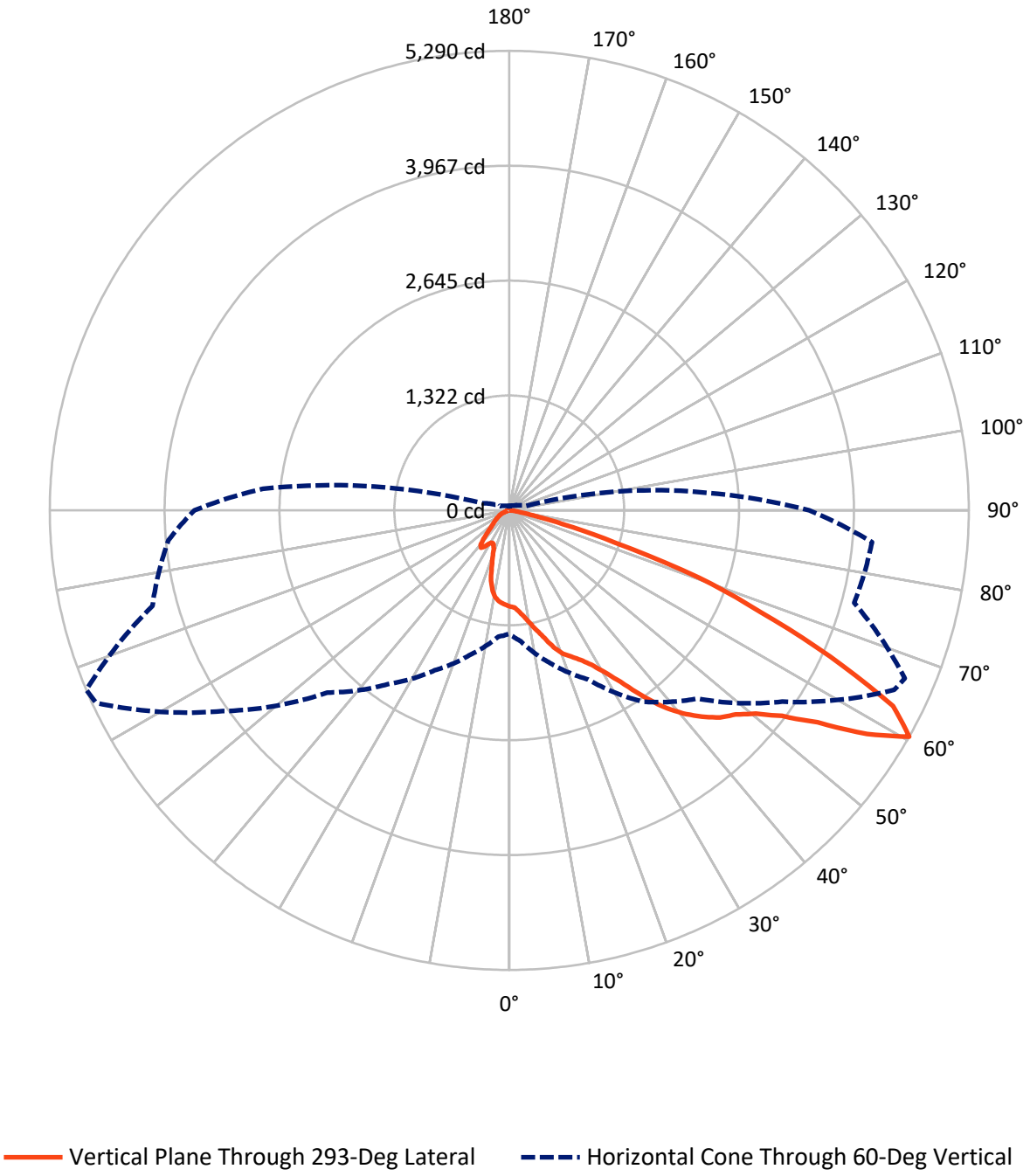
Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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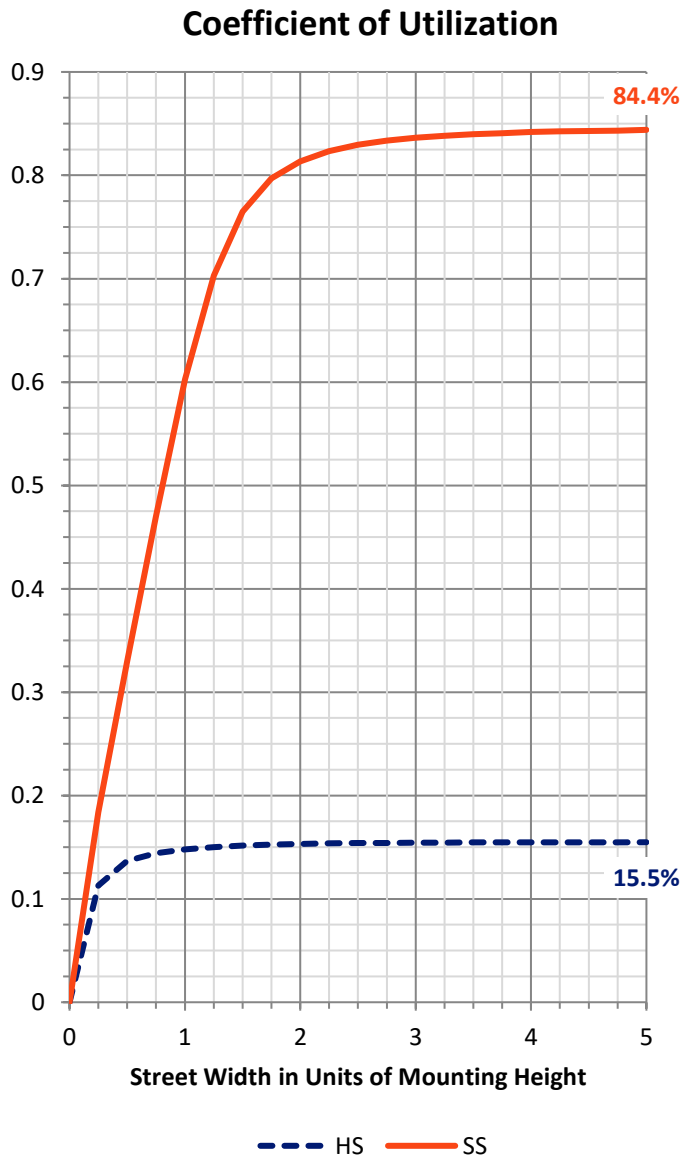
REPORT NUMBER: P1501953
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1006.5	0.0	1006.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5444.3	0.0	5444.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	6450.8	0.0	6450.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	1.6
10°-20°	252.1	3.9
20°-30°	470.7	7.3
30°-40°	933.4	14.5
40°-50°	1488.2	23.1
50°-60°	1778.0	27.6
60°-70°	1165.6	18.1
70°-80°	244.2	3.8
80°-90°	18.5	0.3
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°	6450.8	100.0
0°-180°	6450.8	100.0



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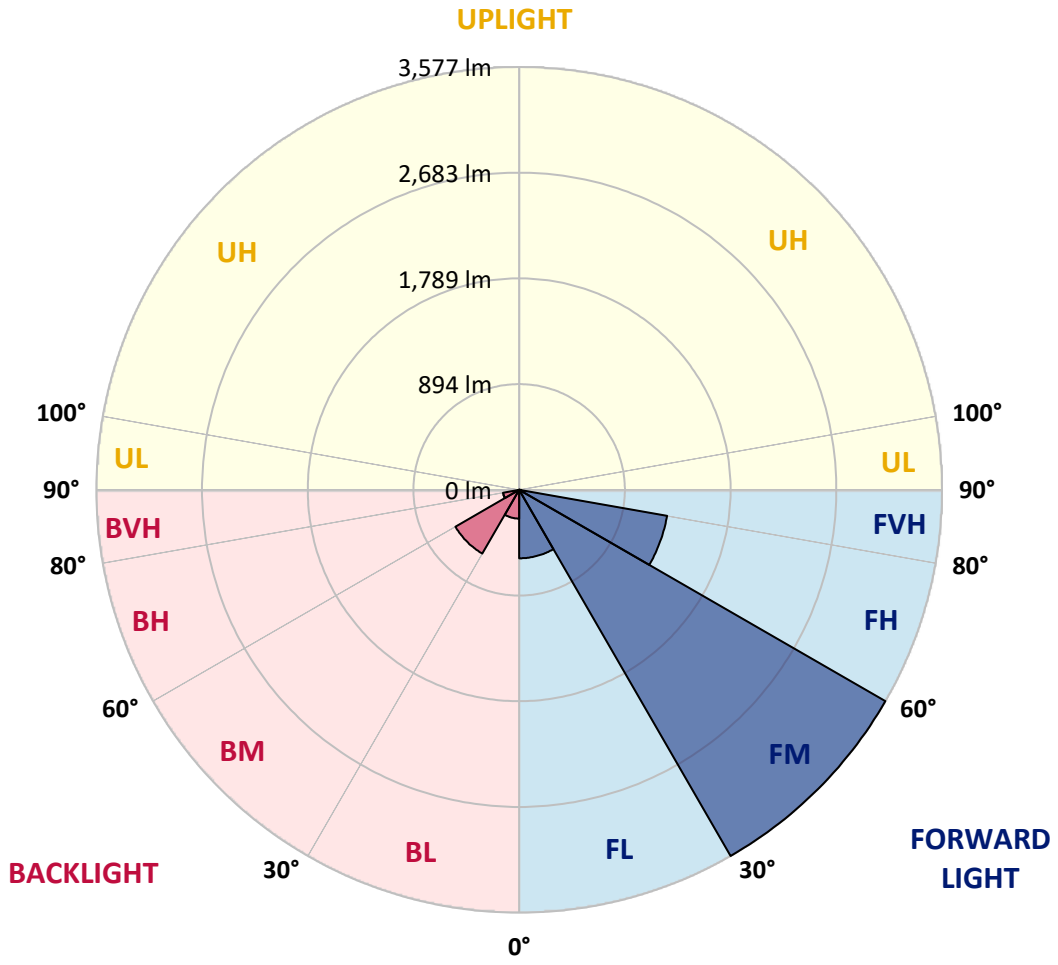
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	579.4	9.0			
FM	(30°-60°)	3577.2	55.5			
FH	(60°-80°)	1270.8	19.7			G1/1800
FVH	(80°-90°)	16.9	0.3			G1/100
BL	(0°-30°)	243.5	3.8	B1/500		
BM	(30°-60°)	622.4	9.6	B1/1000		
BH	(60°-80°)	139.0	2.2	B1/500		G1/500
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6
2.5°	1161.6	1158.0	1152.6	1154.4	1152.6	1145.3	1134.5	1125.5	1132.7	1121.9	1114.6
5°	1195.9	1195.9	1192.3	1192.3	1194.1	1190.5	1183.3	1170.6	1172.4	1163.4	1139.9
7.5°	1195.9	1190.5	1199.5	1208.6	1224.8	1233.9	1237.5	1230.3	1233.9	1215.8	1185.1
10°	1125.5	1121.9	1145.3	1179.7	1226.6	1268.2	1295.3	1297.1	1302.5	1284.4	1248.3
12.5°	975.5	968.3	1015.3	1080.3	1176.1	1271.8	1347.7	1376.6	1389.2	1382.0	1331.4
15°	836.4	845.5	878.0	948.4	1076.7	1223.0	1376.6	1472.3	1490.4	1499.4	1439.8
17.5°	822.0	823.8	834.6	868.9	966.5	1143.5	1380.2	1571.7	1597.0	1636.7	1555.4
20°	861.7	858.1	868.9	879.8	926.8	1073.1	1345.9	1667.4	1716.2	1801.1	1712.6
22.5°	935.8	935.8	941.2	948.4	971.9	1067.7	1331.4	1756.0	1839.1	2012.5	1909.5
25°	1060.4	1046.0	1049.6	1040.6	1060.4	1132.7	1363.9	1826.4	1940.2	2247.3	2144.4
27.5°	1253.7	1259.2	1226.6	1177.9	1188.7	1250.1	1443.4	1905.9	2045.0	2491.2	2382.8
30°	1521.1	1512.1	1492.2	1396.5	1353.1	1407.3	1589.8	2036.0	2185.9	2800.1	2700.8
32.5°	1730.7	1756.0	1721.6	1654.8	1587.9	1604.2	1795.7	2245.5	2357.5	3083.8	3029.6
35°	1983.6	1983.6	1990.8	1896.9	1851.7	1848.1	2054.0	2473.2	2585.2	3340.3	3378.2
37.5°	2325.0	2301.5	2261.8	2157.0	2122.7	2167.8	2296.1	2708.0	2829.0	3548.0	3649.2
40°	2612.3	2628.5	2623.1	2471.3	2404.5	2453.3	2567.1	2908.5	3002.5	3681.7	3867.8
42.5°	2894.1	2903.1	2879.6	2807.4	2709.8	2713.4	2807.4	3060.3	3156.0	3810.0	4073.7
45°	3105.4	3103.6	3087.4	3069.3	3011.5	2951.9	2968.1	3228.3	3311.4	3851.5	4185.8
47.5°	3172.3	3186.7	3201.2	3251.8	3291.5	3197.6	3114.5	3318.6	3394.5	3844.3	4227.3
50°	3110.9	3141.6	3212.0	3287.9	3423.4	3416.2	3237.3	3416.2	3490.2	3884.1	4276.1
52.5°	2973.6	3004.3	3098.2	3235.5	3439.7	3540.8	3464.9	3580.6	3667.3	3985.2	4377.2
55°	2653.8	2666.5	2859.8	3040.4	3358.4	3486.6	3708.8	3858.8	3931.0	4108.1	4510.9
57.5°	2160.6	2191.3	2381.0	2675.5	3130.7	3343.9	3847.9	4333.9	4332.1	4225.5	4539.8
60°	*1421.7*	*1512.1*	*1821.0*	*2146.2*	*2689.9*	*3063.9*	*3838.9*	*4890.3*	*4946.3*	*4109.9*	*4191.2*
62.5°	1085.7	1123.7	1298.9	1569.9	1990.8	2540.0	3779.3	5056.5	5099.9	3799.2	3669.1
65°	816.6	863.5	1031.5	1273.6	1405.5	1721.6	3389.1	4395.3	4454.9	3390.9	2852.5
67.5°	500.4	538.3	762.4	1046.0	1064.1	1069.5	2287.1	3329.5	3351.1	2735.1	1920.4
70°	334.2	372.1	527.5	803.9	847.3	616.0	1255.5	2520.1	2518.3	1871.6	1167.0
72.5°	193.3	211.4	334.2	592.5	666.6	392.0	626.9	1602.4	1531.9	879.8	545.6
75°	110.2	122.8	184.3	381.2	467.9	249.3	247.5	858.1	758.7	453.4	298.1
77.5°	66.8	72.3	101.2	249.3	281.8	168.0	137.3	399.2	384.8	265.6	157.2
80°	32.5	37.9	61.4	146.3	180.7	90.3	83.1	157.2	168.0	146.3	83.1
82.5°	10.8	14.5	34.3	56.0	117.4	36.1	34.3	86.7	92.1	86.7	39.7
85°	5.4	7.2	16.3	18.1	45.2	18.1	12.6	37.9	47.0	28.9	16.3
87.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	3.6	3.6
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°	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6
2.5°	1109.2	1105.6	1098.4	1085.7	1083.9	1074.9	1060.4	1051.4	1044.2	1049.6	1051.4
5°	1129.1	1120.1	1098.4	1064.1	1027.9	991.8	957.5	917.7	890.6	887.0	879.8
7.5°	1165.2	1147.2	1100.2	1033.3	941.2	854.5	753.3	655.8	607.0	599.8	583.5
10°	1223.0	1192.3	1114.6	979.1	802.1	621.4	467.9	363.1	303.5	292.7	296.3
12.5°	1291.7	1248.3	1116.4	887.0	610.6	384.8	265.6	225.8	213.2	207.8	207.8
15°	1380.2	1317.0	1114.6	767.8	411.9	247.5	213.2	196.9	191.5	187.9	187.9
17.5°	1492.2	1409.1	1102.0	588.9	278.2	215.0	195.1	182.5	175.2	173.4	173.4
20°	1624.1	1512.1	1073.1	439.0	233.0	200.5	184.3	168.0	162.6	159.0	159.0
22.5°	1792.1	1636.7	1017.1	341.4	220.4	191.5	173.4	155.4	149.9	146.3	146.3
25°	1987.2	1795.7	943.0	307.1	218.6	184.3	162.6	144.5	139.1	137.3	135.5
27.5°	2218.4	1965.5	874.4	308.9	222.2	178.8	151.7	135.5	130.1	124.7	126.5
30°	2491.2	2140.7	818.4	330.6	225.8	173.4	144.5	130.1	124.7	117.4	117.4
32.5°	2760.4	2346.7	812.9	370.3	238.5	169.8	137.3	122.8	117.4	112.0	112.0
35°	3036.8	2534.6	843.7	422.7	263.8	164.4	128.3	115.6	110.2	106.6	104.8
37.5°	3300.5	2684.5	872.6	455.2	249.3	140.9	117.4	106.6	101.2	93.9	93.9
40°	3475.8	2765.8	878.0	430.0	205.9	126.5	106.6	95.7	88.5	84.9	83.1
42.5°	3604.0	2818.2	816.6	348.7	178.8	115.6	97.6	86.7	81.3	77.7	77.7
45°	3656.4	2800.1	711.8	265.6	164.4	106.6	88.5	79.5	75.9	72.3	72.3
47.5°	3649.2	2717.0	605.2	213.2	149.9	97.6	83.1	75.9	72.3	68.6	66.8
50°	3636.6	2639.4	496.8	189.7	133.7	92.1	77.7	72.3	66.8	63.2	61.4
52.5°	3719.7	2614.1	411.9	173.4	124.7	88.5	75.9	68.6	63.2	59.6	59.6
55°	3802.8	2624.9	323.4	162.6	115.6	86.7	74.1	66.8	61.4	56.0	56.0
57.5°	3797.3	2577.9	245.7	151.7	108.4	84.9	72.3	65.0	56.0	52.4	52.4
60°	*3452.3*	*2299.7*	*191.5*	*139.1*	*99.4*	*79.5*	*66.8*	*61.4*	*52.4*	*47.0*	*47.0*
62.5°	2919.4	1808.3	157.2	122.8	88.5	72.3	61.4	56.0	47.0	37.9	37.9
65°	2157.0	1304.3	126.5	106.6	81.3	63.2	56.0	48.8	37.9	30.7	28.9
67.5°	1459.7	802.1	101.2	88.5	72.3	54.2	47.0	41.6	34.3	25.3	23.5
70°	865.3	426.3	74.1	61.4	54.2	39.7	39.7	36.1	28.9	21.7	19.9
72.5°	411.9	148.1	54.2	45.2	41.6	28.9	30.7	30.7	23.5	16.3	14.5
75°	209.6	72.3	36.1	32.5	27.1	21.7	25.3	23.5	16.3	10.8	10.8
77.5°	119.2	50.6	25.3	21.7	18.1	14.5	16.3	14.5	9.0	5.4	5.4
80°	66.8	36.1	16.3	14.5	10.8	9.0	9.0	7.2	5.4	1.8	1.8
82.5°	25.3	21.7	10.8	7.2	5.4	5.4	3.6	3.6	1.8	0.0	0.0
85°	10.8	5.4	5.4	3.6	3.6	1.8	1.8	1.8	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	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°	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6
2.5°	1037.0	1040.6	1044.2	1058.6	1062.2	1073.1	1082.1	1093.0	1094.8	1109.2	1109.2
5°	894.2	892.4	923.1	968.3	997.2	1037.0	1067.7	1100.2	1118.2	1141.7	1152.6
7.5°	592.5	637.7	706.4	785.8	888.8	984.6	1056.8	1120.1	1163.4	1190.5	1201.3
10°	294.5	319.8	392.0	522.1	697.3	892.4	1046.0	1163.4	1233.9	1264.6	1284.4
12.5°	207.8	213.2	225.8	296.3	464.3	740.7	1011.7	1210.4	1307.9	1365.7	1391.0
15°	186.1	189.7	195.1	215.0	287.2	552.8	950.2	1262.8	1423.6	1490.4	1522.9
17.5°	171.6	173.4	178.8	195.1	225.8	375.8	850.9	1318.8	1562.7	1644.0	1705.4
20°	159.0	159.0	164.4	184.3	209.6	289.0	708.2	1382.0	1739.7	1857.1	1918.5
22.5°	144.5	148.1	151.7	173.4	204.1	263.8	574.5	1430.8	1936.6	2079.3	2151.6
25°	133.7	137.3	140.9	162.6	198.7	263.8	496.8	1461.5	2157.0	2326.8	2426.2
27.5°	124.7	128.3	133.7	155.4	193.3	274.6	466.1	1470.5	2397.3	2617.7	2751.4
30°	117.4	121.0	126.5	149.9	196.9	287.2	476.9	1457.9	2641.2	2917.6	3076.5
32.5°	110.2	113.8	119.2	144.5	196.9	303.5	513.1	1432.6	2877.8	3217.4	3412.6
35°	104.8	106.6	108.4	130.1	178.8	301.7	558.2	1407.3	3116.3	3513.7	3741.3
37.5°	93.9	95.7	99.4	112.0	142.7	274.6	567.3	1376.6	3304.2	3763.0	4014.1
40°	83.1	86.7	90.3	103.0	119.2	222.2	527.5	1311.5	3403.5	3954.5	4259.8
42.5°	75.9	77.7	81.3	93.9	110.2	177.0	442.6	1197.7	3492.0	4084.6	4438.7
45°	70.5	72.3	75.9	84.9	103.0	153.6	348.7	1058.6	3499.3	4126.1	4525.4
47.5°	65.0	66.8	68.6	77.7	99.4	137.3	267.4	932.2	3497.5	4180.3	4599.5
50°	61.4	63.2	66.8	74.1	93.9	122.8	220.4	829.2	3573.3	4297.8	4749.4
52.5°	59.6	59.6	65.0	72.3	88.5	112.0	184.3	737.1	3613.1	4413.4	4857.8
55°	56.0	57.8	61.4	68.6	83.1	106.6	157.2	621.4	3631.1	4471.2	4877.7
57.5°	52.4	54.2	59.6	65.0	79.5	101.2	135.5	464.3	3372.8	4169.5	4545.3
60°	*47.0*	*50.6*	*57.8*	*63.2*	*74.1*	*92.1*	*119.2*	*314.3*	*2845.3*	*3623.9*	*3938.3*
62.5°	37.9	45.2	52.4	56.0	66.8	77.7	101.2	209.6	2272.6	2998.9	3356.6
65°	28.9	37.9	43.4	48.8	56.0	65.0	84.9	142.7	1515.7	2017.9	2420.8
67.5°	25.3	32.5	36.1	39.7	47.0	56.0	68.6	99.4	919.5	1212.2	1609.6
70°	19.9	27.1	30.7	28.9	36.1	43.4	48.8	66.8	469.7	657.6	915.9
72.5°	14.5	21.7	23.5	23.5	21.7	30.7	36.1	47.0	204.1	319.8	415.5
75°	10.8	14.5	16.3	14.5	12.6	19.9	25.3	30.7	133.7	191.5	242.1
77.5°	5.4	5.4	9.0	9.0	5.4	10.8	12.6	18.1	75.9	112.0	139.1
80°	1.8	0.0	0.0	1.8	0.0	3.6	5.4	9.0	39.7	59.6	86.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	19.9	18.1	45.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	10.8
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: P1501953
CATALOG NUMBER: GSS-SB2A-840-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1105.6	*1105.6*	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6	1105.6
2.5°	1118.2	*1118.2*	1125.5	1136.3	1141.7	1145.3	1147.2	1150.8	1165.2	1161.6
5°	1165.2	*1168.8*	1174.3	1185.1	1197.7	1194.1	1194.1	1194.1	1203.2	1195.9
7.5°	1226.6	*1237.5*	1239.3	1251.9	1242.9	1224.8	1214.0	1197.7	1195.9	1195.9
10°	1326.0	*1322.4*	1322.4	1306.1	1273.6	1221.2	1174.3	1141.7	1123.7	1125.5
12.5°	1432.6	*1418.1*	1419.9	1360.3	1268.2	1152.6	1056.8	986.4	981.0	975.5
15°	1564.5	*1526.5*	1519.3	1382.0	1186.9	1009.9	915.9	859.9	841.8	836.4
17.5°	1752.3	*1656.6*	1622.3	1344.1	1080.3	921.3	850.9	825.6	823.8	822.0
20°	1951.1	*1761.4*	1696.3	1288.1	1044.2	923.1	870.8	863.5	859.9	861.7
22.5°	2182.3	*1828.2*	1745.1	1297.1	1076.7	982.8	941.2	935.8	932.2	935.8
25°	2420.8	*1905.9*	1802.9	1369.4	1174.3	1093.0	1044.2	1033.3	1044.2	1060.4
27.5°	2661.0	*2010.7*	1916.7	1512.1	1331.4	1242.9	1195.9	1235.7	1251.9	1253.7
30°	2874.2	*2157.0*	2070.3	1712.6	1510.3	1421.7	1430.8	1481.4	1501.2	1521.1
32.5°	3069.3	*2352.1*	2285.3	1940.2	1741.5	1689.1	1683.7	1721.6	1743.3	1730.7
35°	3266.2	*2606.8*	2541.8	2187.7	2025.1	1981.8	1936.6	2010.7	2003.5	1983.6
37.5°	3452.3	*2863.4*	2803.7	2453.3	2285.3	2209.4	2202.2	2269.0	2328.6	2325.0
40°	3586.0	*3071.1*	2998.9	2717.0	2558.1	2493.0	2531.0	2646.6	2632.1	2612.3
42.5°	3708.8	*3248.2*	3183.1	2948.3	2782.1	2811.0	2845.3	2923.0	2913.9	2894.1
45°	3766.6	*3399.9*	3343.9	3123.5	3042.2	3134.3	3132.5	3161.4	3112.7	3105.4
47.5°	3847.9	*3508.3*	3450.5	3280.7	3352.9	3390.9	3284.3	3253.6	3208.4	3172.3
50°	3997.9	*3676.3*	3618.5	3519.1	3580.6	3463.1	3333.1	3266.2	3174.1	3110.9
52.5°	4173.1	*3931.0*	3880.4	3840.7	3669.1	3427.0	3260.8	3139.8	3027.8	2973.6
55°	4393.5	*4306.8*	4270.7	4052.1	3589.6	3278.9	3083.8	2857.9	2704.4	2653.8
57.5°	4465.8	*4857.8*	4845.1	4086.4	3367.4	3009.7	2657.4	2352.1	2193.1	2160.6
60°	*4252.6*	*5289.5*	*5244.4*	*4028.6*	*2964.5*	*2442.4*	*2030.6*	*1718.0*	*1459.7*	*1421.7*
62.5°	3979.8	*4959.0*	4942.7	3737.7	2258.2	1750.5	1517.5	1224.8	1114.6	1085.7
65°	3408.9	*4057.5*	4064.7	2998.9	1429.0	1257.4	1246.5	973.7	838.2	816.6
67.5°	2624.9	*3112.7*	3062.1	1886.0	832.8	1006.2	995.4	711.8	514.9	500.4
70°	1533.8	*2317.8*	2236.5	981.0	551.0	840.0	766.0	500.4	350.5	334.2
72.5°	677.5	*1275.4*	1369.4	431.8	388.4	668.4	552.8	307.1	196.9	193.3
75°	375.8	*632.3*	661.2	187.9	272.8	475.1	334.2	171.6	112.0	110.2
77.5°	225.8	*280.0*	272.8	121.0	204.1	303.5	202.3	97.6	70.5	66.8
80°	126.5	*128.3*	108.4	88.5	121.0	169.8	113.8	61.4	32.5	32.5
82.5°	77.7	*70.5*	56.0	27.1	32.5	103.0	41.6	34.3	10.8	10.8
85°	32.5	*21.7*	14.5	5.4	12.6	27.1	14.5	16.3	5.4	5.4
87.5°	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

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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

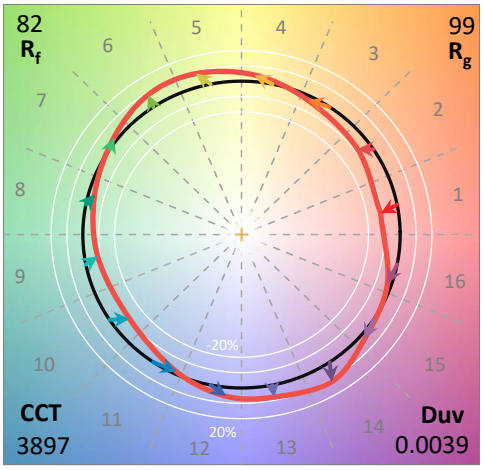
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

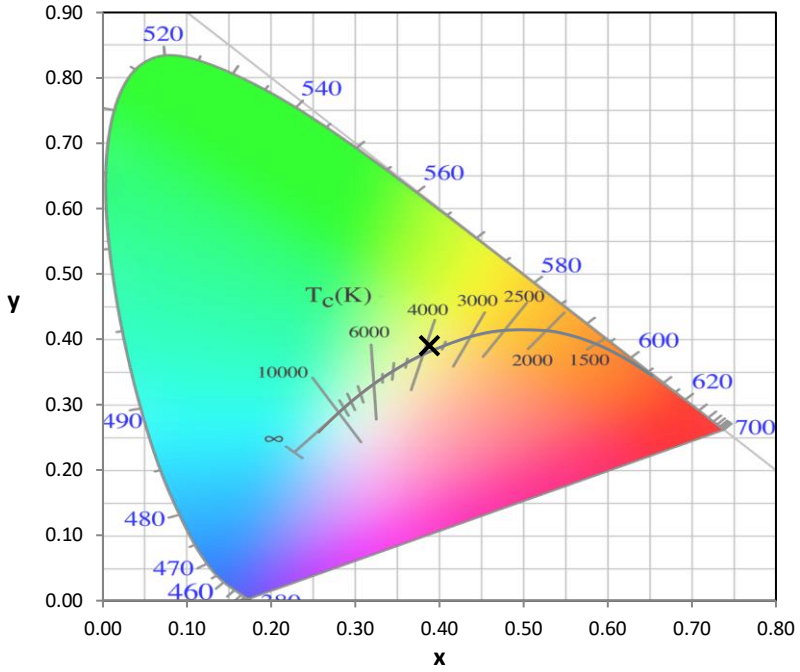
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

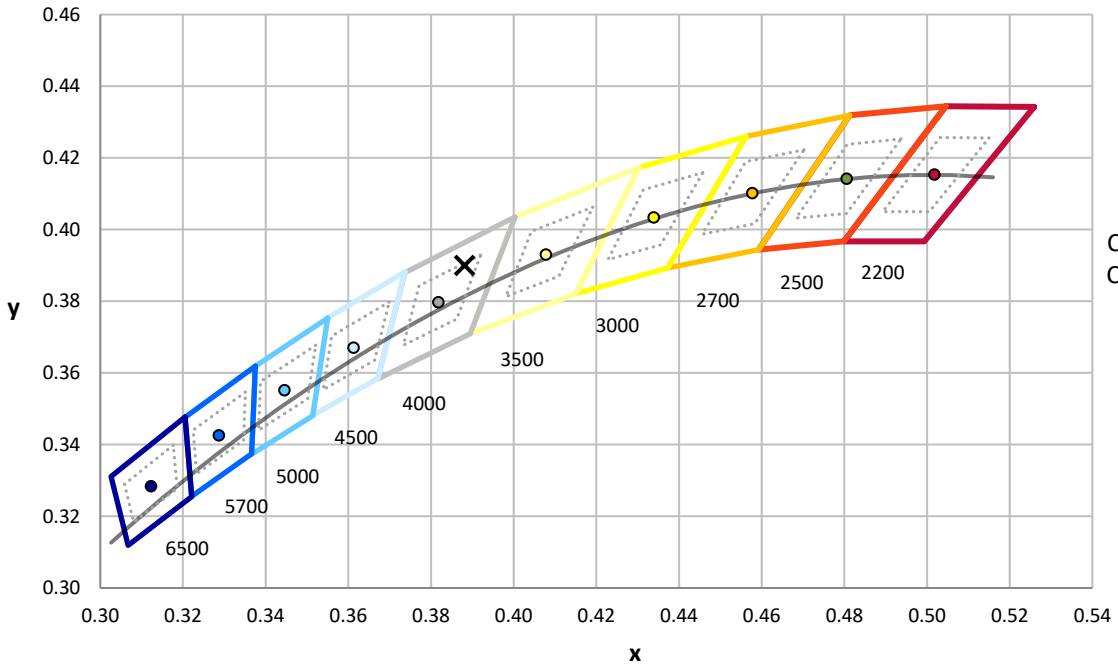
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

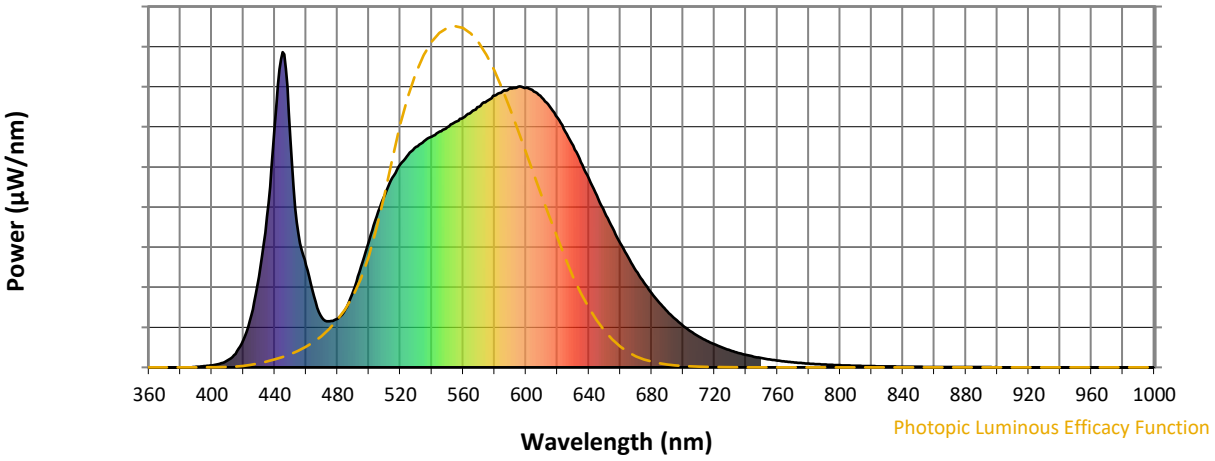


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

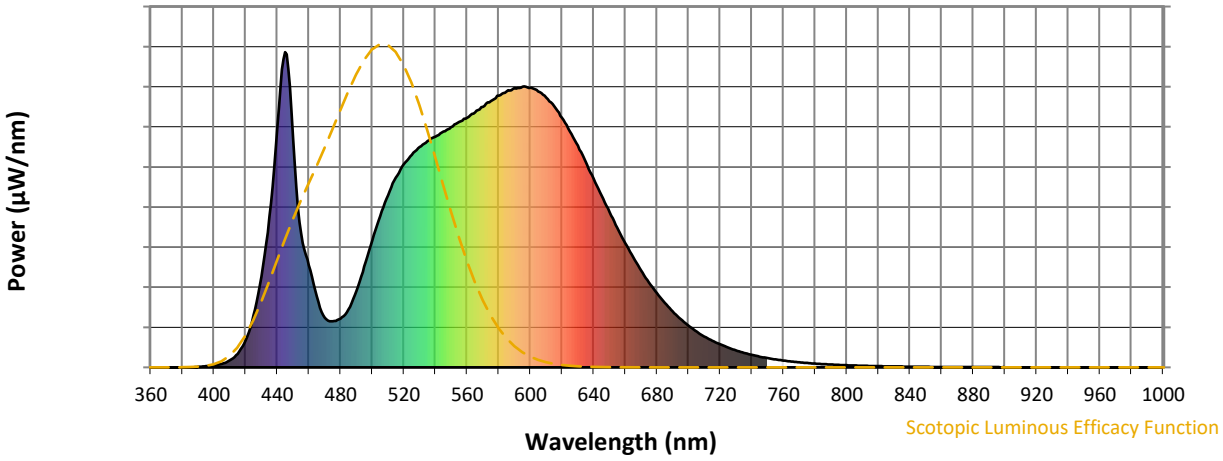


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

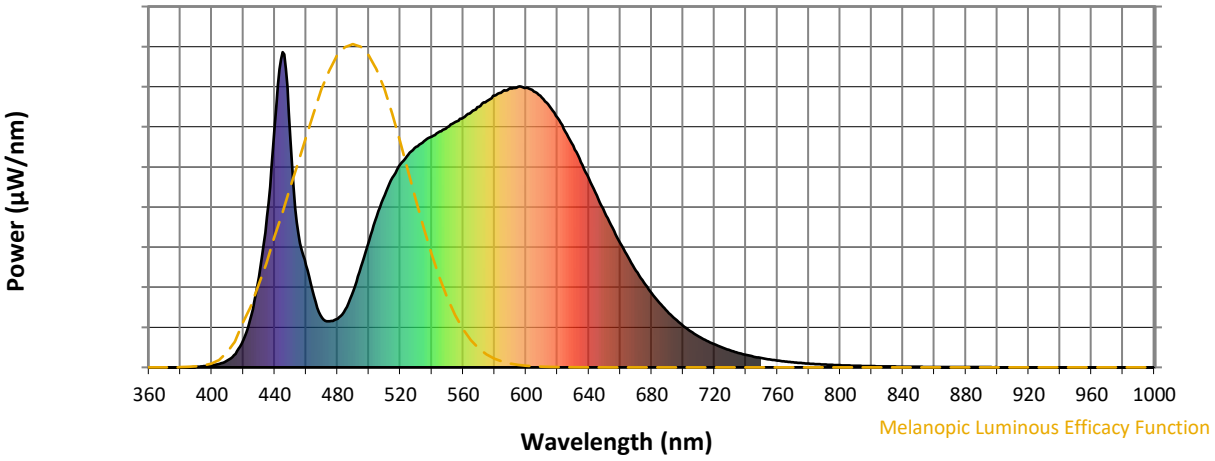


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

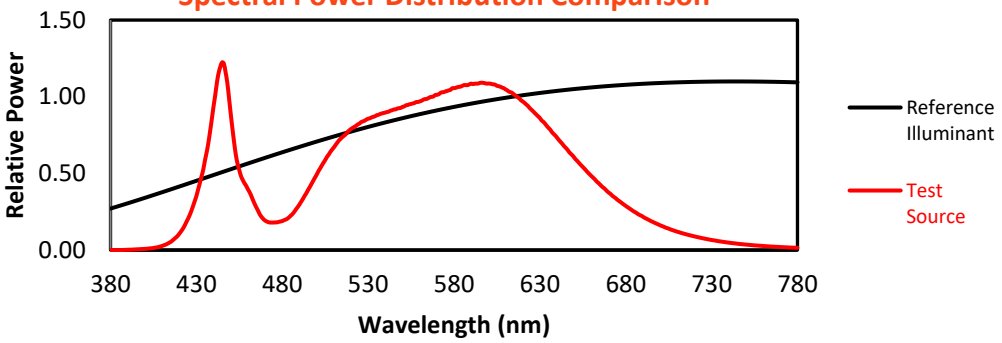
REPORT NUMBER: SP1-2407-184-11

TM-30-18

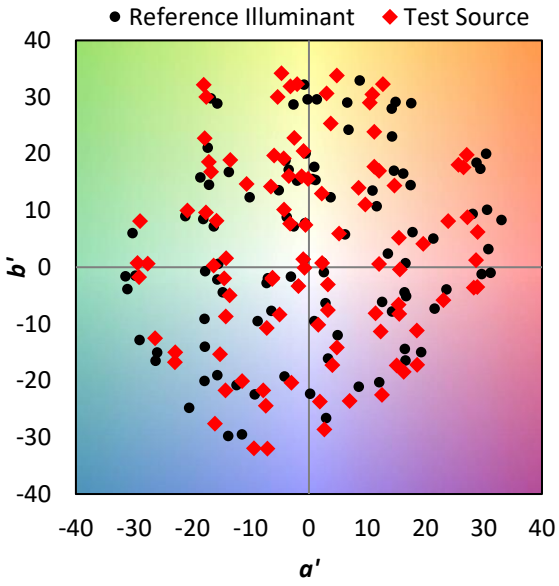
Summary

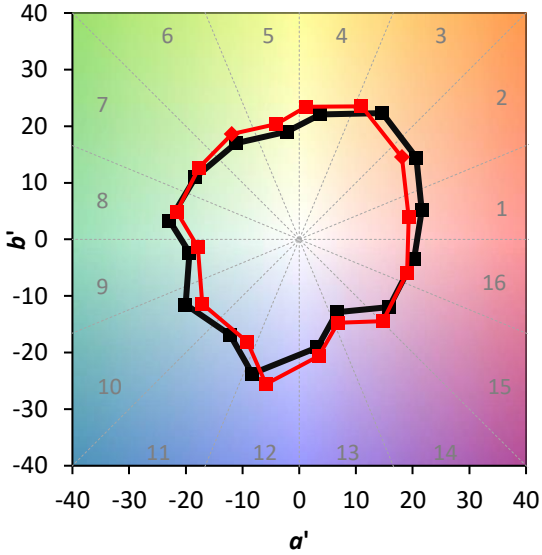
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

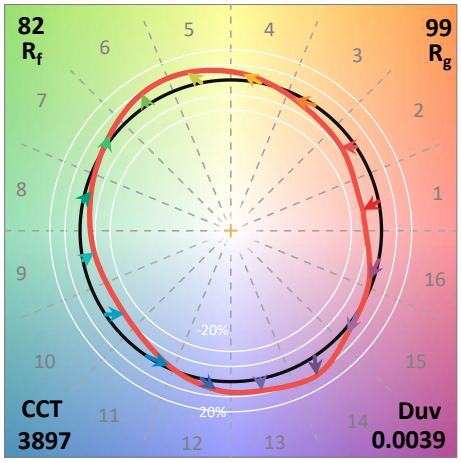
Spectral Power Distribution Comparison

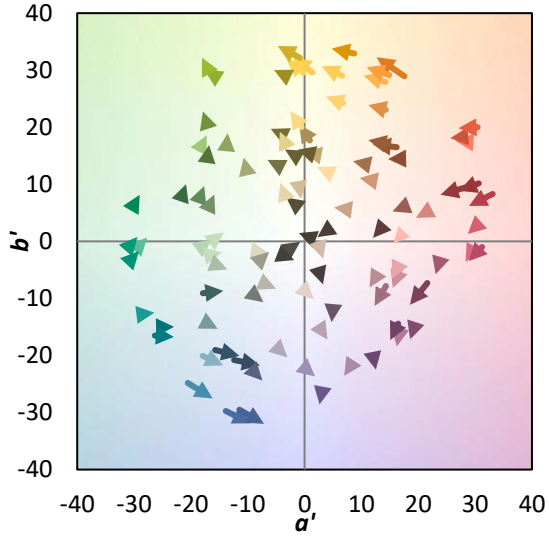


Color Vector Graphics







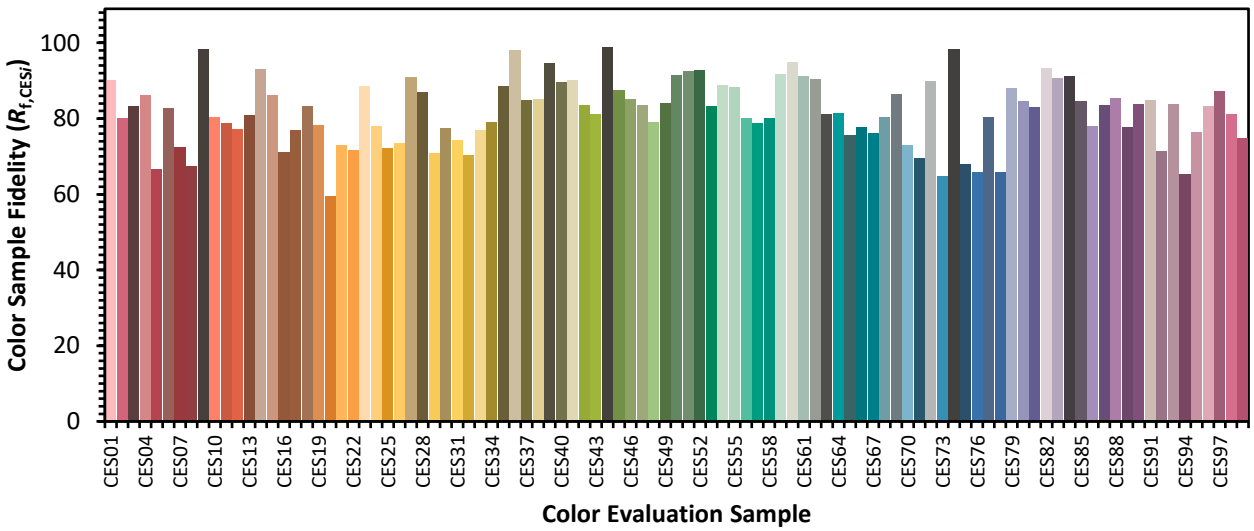


REPORT NUMBER: SP1-2407-184-11

TM-30-18

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

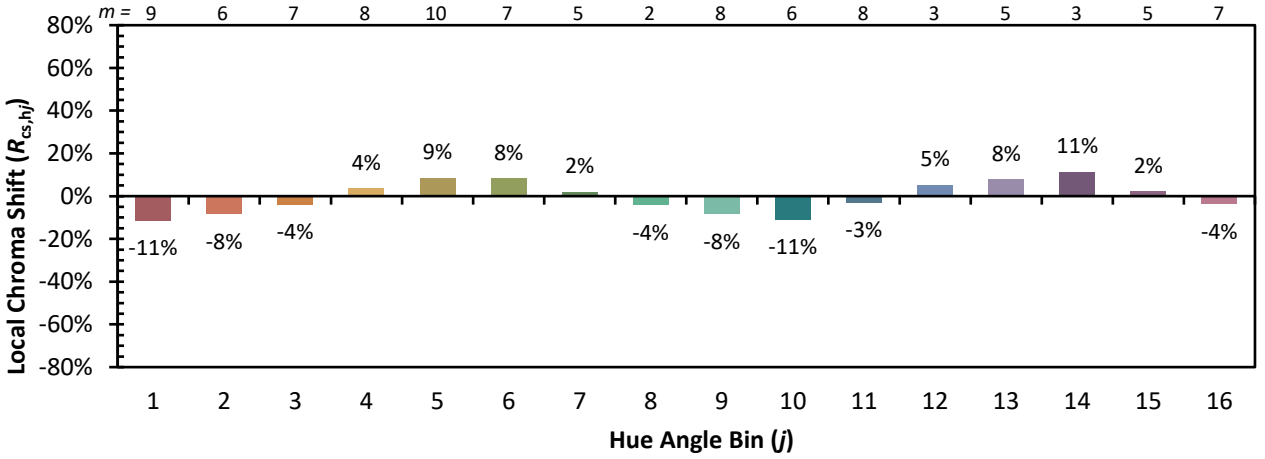
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

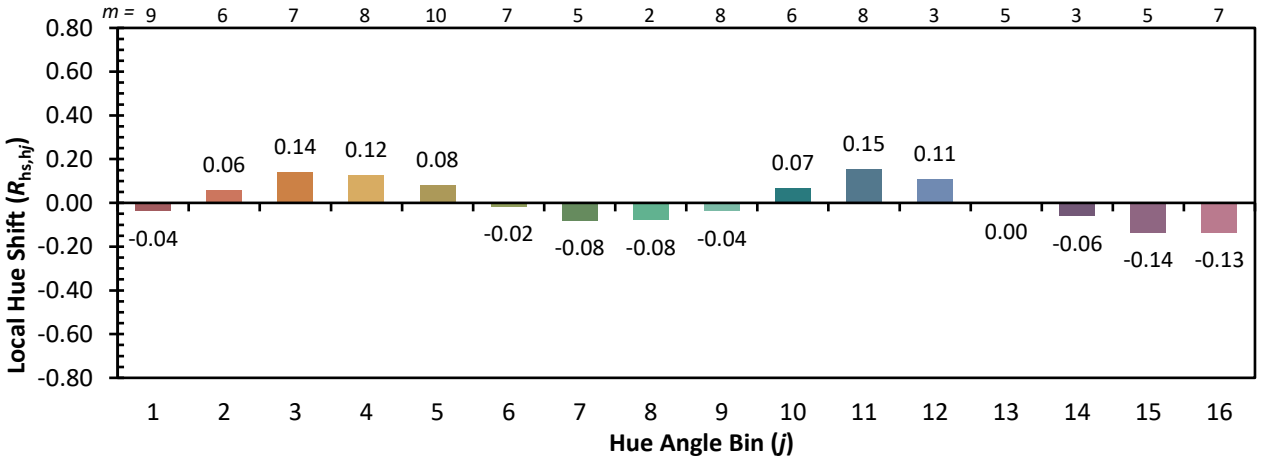


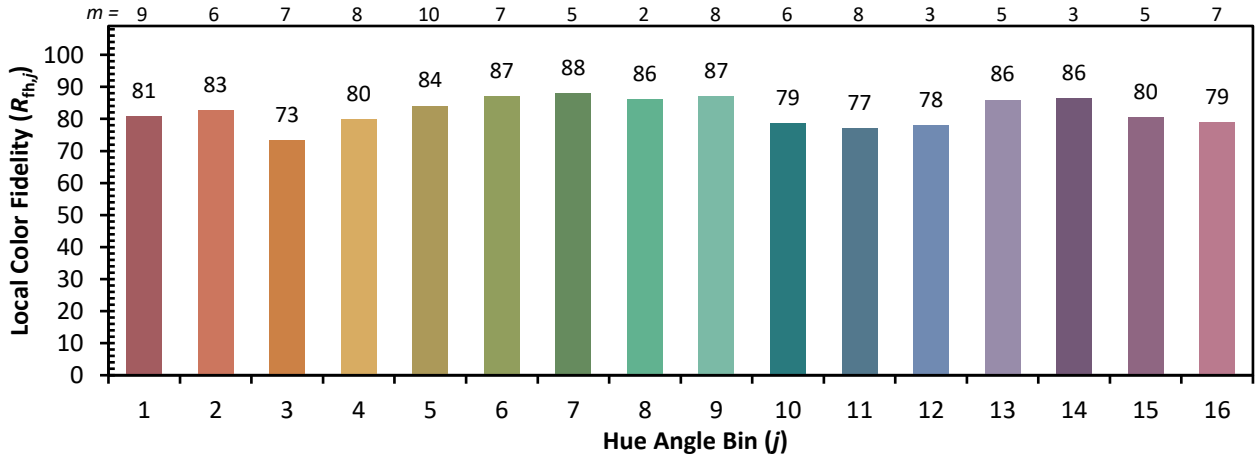
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Color Rendition by Hue-Angle Bin



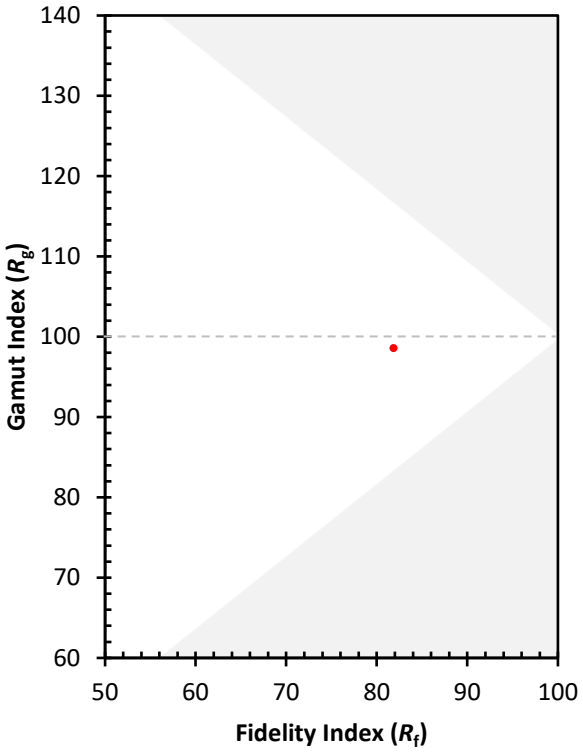


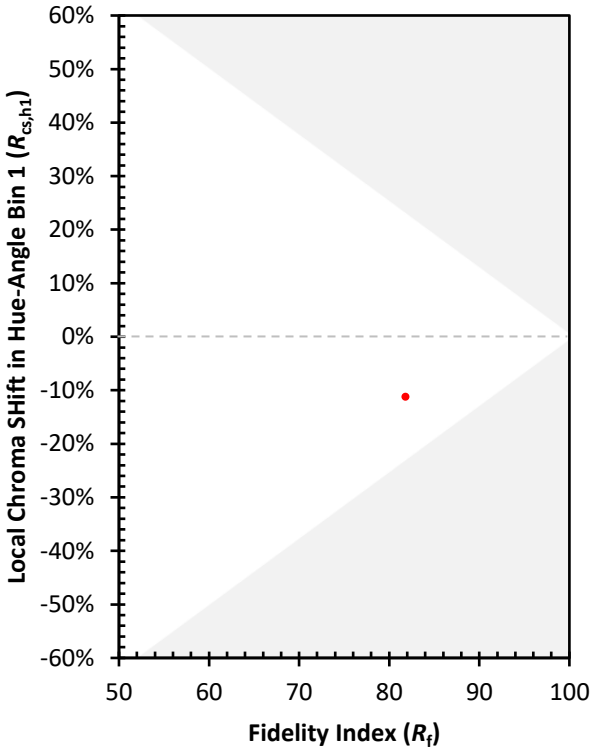


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Measure Comparisons





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