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: P1364625

Luminaire Tested: **GSS-SB1C-750-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364625
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-750-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 5000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5410.4 lumens
Efficiency:	N/A
Efficacy:	104.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

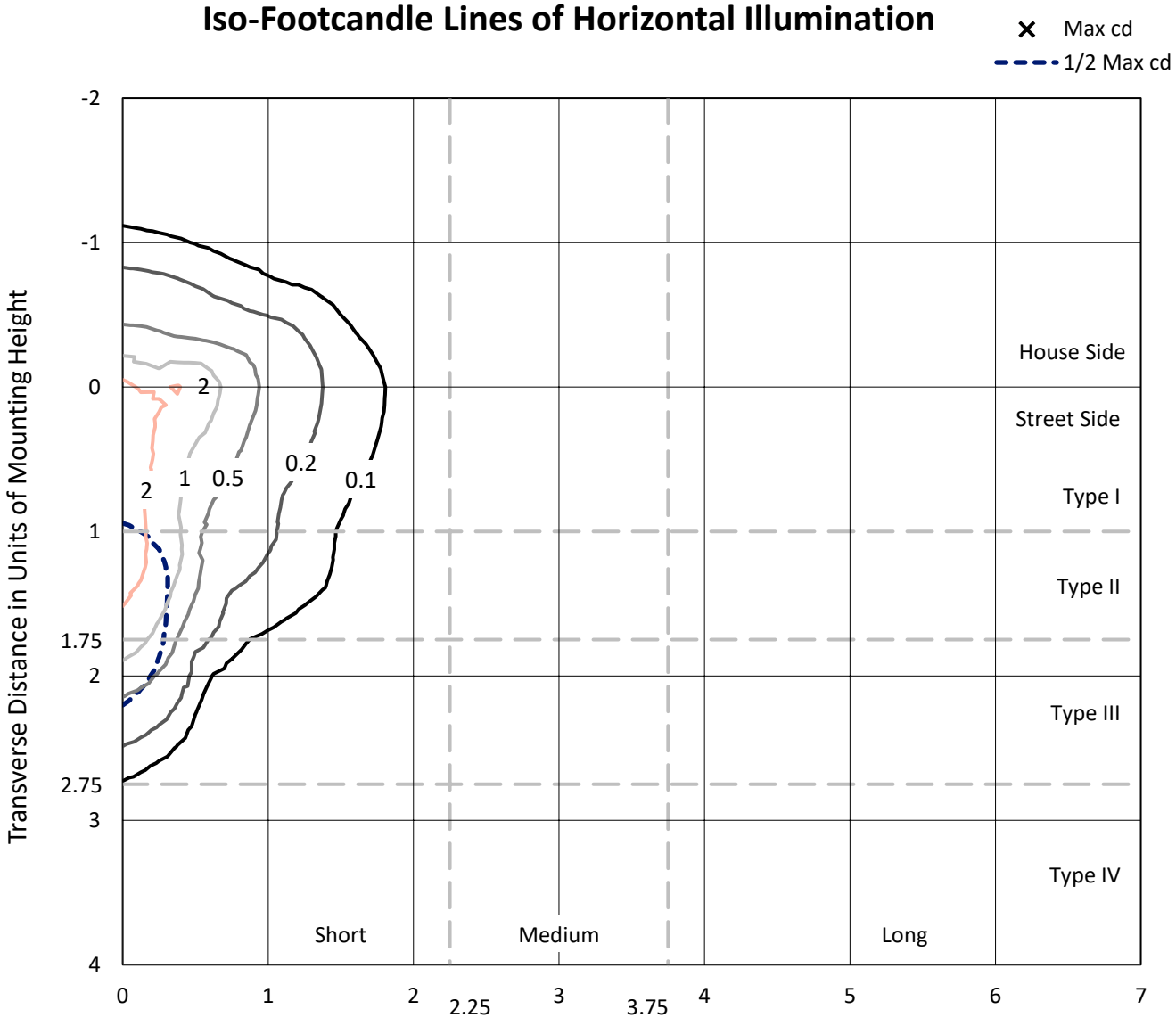
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



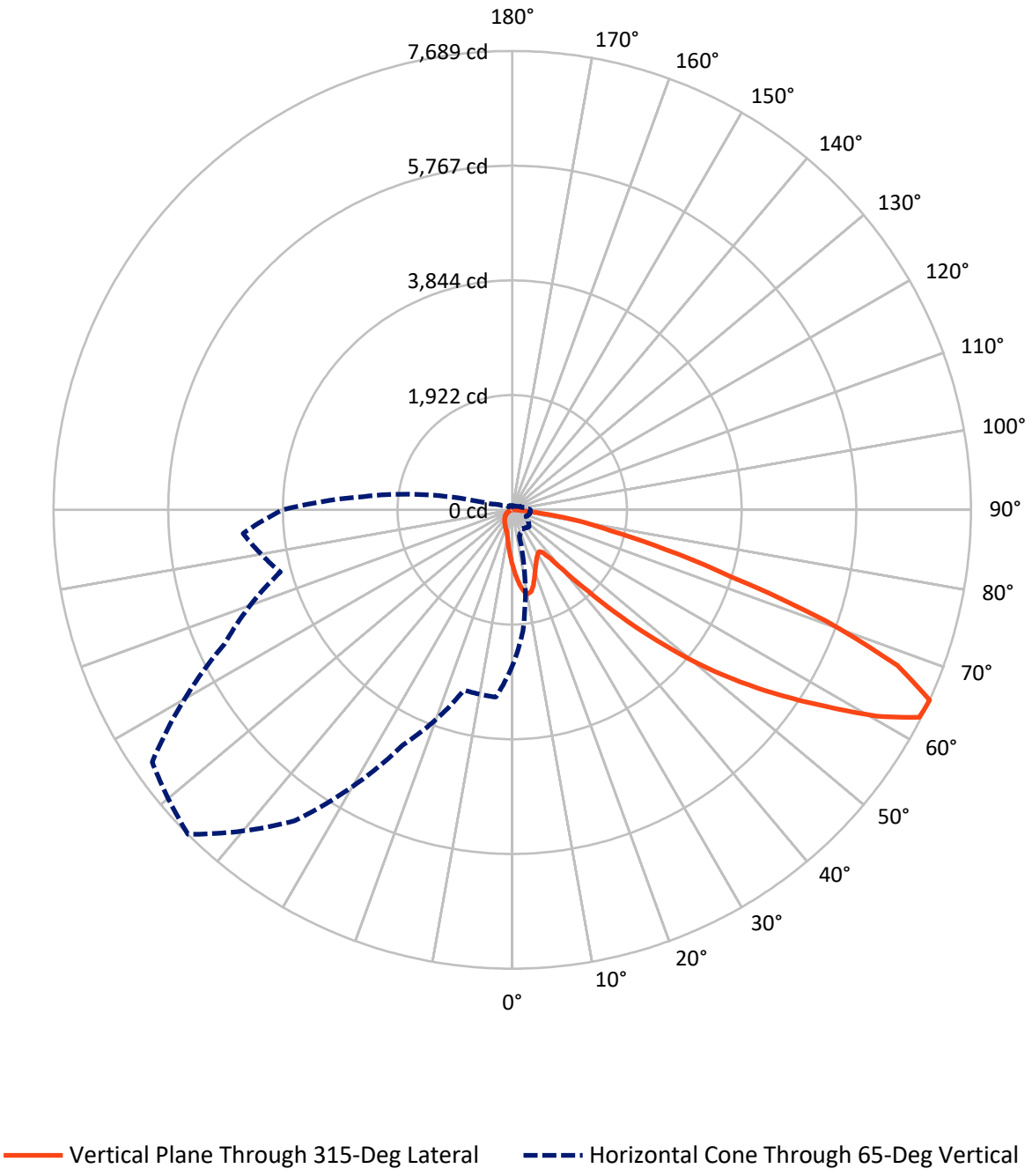
Based on 20 foot mounting height. Maximum calculated value = 3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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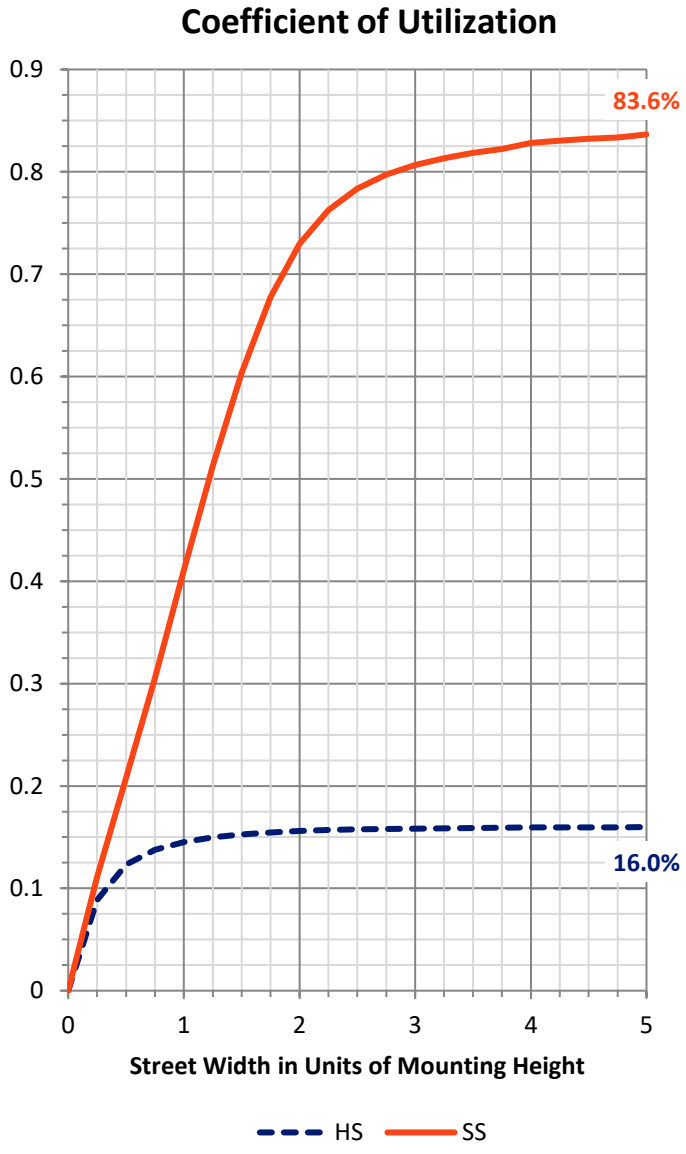
REPORT NUMBER: P1364625
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	874.6	0.0	874.6
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	4535.8	0.0	4535.8
	% Fixture	83.8	0.0	83.8
Total	Lumens	5410.4	0.0	5410.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.7
10°-20°	248.6	4.6
20°-30°	356.1	6.6
30°-40°	446.6	8.3
40°-50°	733.7	13.6
50°-60°	1323.9	24.5
60°-70°	1469.3	27.2
70°-80°	663.8	12.3
80°-90°	78.5	1.5
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°	5410.4	100.0
0°-180°	5410.4	100.0



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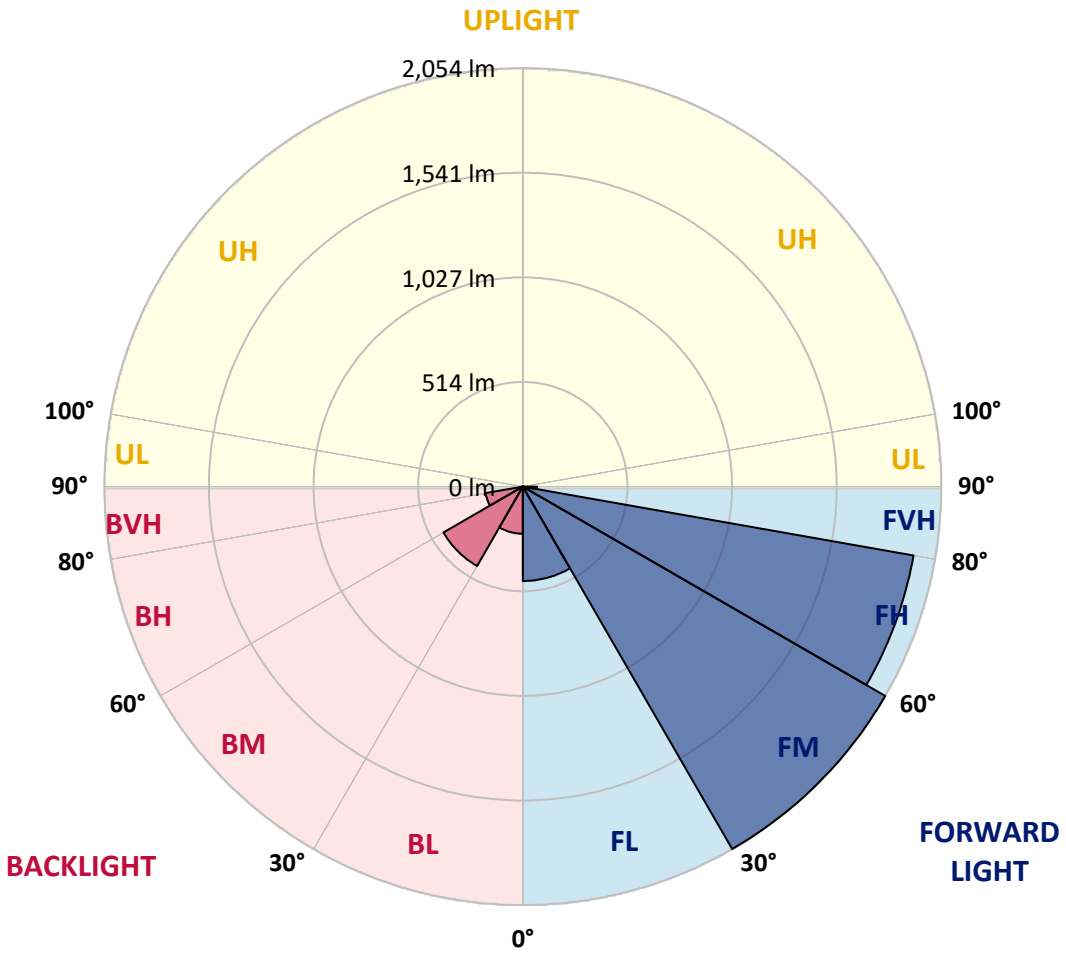
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	463.4	8.6			
FM	(30°-60°)	2054.5	38.0			
FH	(60°-80°)	1947.4	36.0			G2/5000
FVH	(80°-90°)	70.5	1.3			G1/100
BL	(0°-30°)	231.1	4.3	B1/500		
BM	(30°-60°)	449.7	8.3	B1/1000		
BH	(60°-80°)	185.7	3.4	B1/500		G1/500
BVH	(80°-90°)	8.0	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	1055.0	1054.0	1050.0	1025.1	1000.1	978.5	956.9	935.4	905.4	882.2	862.3
5°	1154.7	1149.3	1128.1	1089.9	1048.3	1011.8	970.2	930.4	885.5	849.0	810.7
7.5°	1222.8	1217.5	1196.2	1133.1	1069.9	1025.1	980.2	938.7	888.8	840.7	785.8
10°	1254.3	1248.4	1224.4	1156.3	1083.2	1028.4	983.5	945.3	903.8	855.6	787.5
12.5°	1275.9	1268.6	1239.4	1161.3	1086.5	1031.7	985.2	948.6	918.7	890.5	824.0
15°	1289.2	1282.6	1256.0	1174.6	1088.2	1026.7	971.9	937.0	927.0	932.0	900.5
17.5°	1309.2	1302.8	1277.6	1191.2	1098.2	1018.4	943.7	905.4	927.0	971.9	981.9
20°	1335.7	1329.1	1302.5	1212.8	1106.5	993.5	890.5	853.9	908.8	983.5	1035.0
22.5°	1365.6	1360.3	1339.1	1237.7	1114.8	956.9	820.7	804.1	870.6	950.3	1016.8
25°	1402.2	1397.2	1377.3	1272.6	1123.1	907.1	760.9	764.2	820.7	883.8	952.0
27.5°	1452.0	1447.4	1428.8	1315.8	1133.1	855.6	712.7	729.3	770.9	814.1	855.6
30°	1506.9	1503.2	1488.6	1367.3	1153.0	807.4	684.5	694.5	722.7	757.6	782.5
32.5°	1581.6	1575.6	1551.7	1415.5	1151.3	770.9	671.2	661.2	669.5	697.8	722.7
35°	1674.7	1670.0	1651.4	1465.3	1121.4	737.6	664.5	629.7	624.7	641.3	666.2
37.5°	1810.9	1806.9	1791.0	1546.7	1074.9	696.1	647.9	596.4	579.8	591.4	608.1
40°	2015.2	2004.9	1963.7	1639.8	1023.4	654.6	618.0	556.6	533.3	541.6	559.9
42.5°	2292.7	2273.1	2194.7	1764.4	953.6	614.7	573.2	516.7	491.8	496.7	513.4
45°	2648.2	2618.7	2500.4	1935.5	880.5	583.1	526.7	475.2	448.6	453.6	471.8
47.5°	3063.6	3023.0	2860.9	2114.9	802.4	564.9	490.1	433.6	413.7	425.3	443.6
50°	3553.7	3512.8	3349.3	2229.6	739.3	553.2	461.9	395.4	387.1	402.1	417.0
52.5°	4088.6	4030.5	3797.9	2156.5	687.8	543.3	451.9	368.8	372.1	383.8	398.7
55°	4608.6	4479.4	3962.4	1913.9	621.4	531.6	458.5	348.9	357.2	372.1	383.8
57.5°	4947.6	4722.9	3824.5	1541.8	551.6	518.3	463.5	338.9	345.6	362.2	375.5
60°	4651.8	4425.9	3522.1	1154.7	491.8	490.1	455.2	335.6	325.6	348.9	360.5
62.5°	3811.2	3625.1	2880.8	737.6	435.3	436.9	436.9	333.9	292.4	322.3	332.3
65°	*2618.3*	*2502.0*	*2036.8*	*456.9*	*355.5*	*372.1*	*397.1*	*324.0*	*257.5*	*292.4*	*302.4*
67.5°	1721.2	1635.8	1294.2	282.4	274.1	305.7	343.9	304.0	230.9	262.5	269.1
70°	933.7	868.9	609.7	186.1	179.4	239.2	270.8	257.5	207.7	234.3	240.9
72.5°	616.4	563.2	350.5	131.2	131.2	187.7	189.4	211.0	186.1	207.7	214.3
75°	463.5	416.0	225.9	91.4	101.3	119.6	147.9	151.2	156.2	176.1	184.4
77.5°	212.7	186.7	83.1	54.8	74.8	83.1	113.0	96.4	116.3	131.2	134.6
80°	122.9	107.7	46.5	36.6	48.2	53.2	93.0	56.5	69.8	93.0	98.0
82.5°	51.5	45.9	23.3	24.9	29.9	31.6	51.5	39.9	44.9	61.5	59.8
85°	15.0	15.0	15.0	16.6	18.3	18.3	29.9	28.2	26.6	28.2	28.2
87.5°	10.0	10.0	10.0	10.0	11.6	11.6	13.3	15.0	16.6	16.6	16.6
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°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	853.9	842.3	827.4	805.8	802.4	790.8	782.5	790.8	799.1	814.1	815.7
5°	790.8	772.5	737.6	711.1	681.2	666.2	664.5	661.2	671.2	692.8	706.1
7.5°	755.9	726.0	662.9	616.4	574.8	559.9	548.3	558.2	556.6	584.8	596.4
10°	747.6	701.1	613.0	543.3	491.8	471.8	460.2	458.5	461.9	478.5	490.1
12.5°	777.5	717.7	593.1	490.1	430.3	408.7	395.4	383.8	383.8	387.1	402.1
15°	844.0	772.5	604.7	465.2	400.4	372.1	350.5	335.6	324.0	325.6	327.3
17.5°	937.0	852.3	634.6	456.9	382.1	352.2	325.6	310.7	297.4	294.1	294.1
20°	1010.1	928.7	657.9	450.2	367.2	329.0	305.7	292.4	280.8	275.8	275.8
22.5°	1018.4	960.3	677.8	441.9	348.9	305.7	284.1	272.5	264.2	262.5	262.5
25°	963.6	935.4	671.2	432.0	330.6	284.1	267.5	257.5	249.2	247.5	249.2
27.5°	872.2	857.3	647.9	418.7	315.7	267.5	252.5	244.2	235.9	234.3	235.9
30°	790.8	774.2	608.1	397.1	304.0	254.2	237.6	229.3	221.0	221.0	222.6
32.5°	724.4	707.7	568.2	372.1	289.1	239.2	224.3	216.0	207.7	207.7	211.0
35°	664.5	651.3	536.6	347.2	274.1	225.9	209.3	202.7	196.0	194.4	197.7
37.5°	613.0	606.4	508.4	320.6	259.2	212.7	197.7	191.1	182.8	181.1	184.4
40°	563.2	559.9	476.8	297.4	240.9	199.4	184.4	177.8	167.8	167.8	171.1
42.5°	516.7	515.0	448.6	282.4	224.3	186.1	169.5	162.8	154.5	154.5	157.8
45°	480.1	478.5	422.0	274.1	207.7	171.1	156.2	147.9	141.2	142.9	146.2
47.5°	446.9	443.6	393.7	275.8	199.4	161.2	141.2	132.9	127.9	131.2	136.2
50°	420.3	417.0	373.8	277.4	186.1	147.9	129.6	121.3	118.0	122.9	127.9
52.5°	403.7	400.4	353.9	267.5	169.5	137.9	118.0	113.0	113.0	118.0	121.3
55°	387.1	383.8	320.6	245.9	151.2	127.9	109.7	106.3	106.3	111.3	114.6
57.5°	377.1	370.5	285.8	221.0	136.2	116.3	101.3	101.3	101.3	103.0	104.7
60°	362.2	345.6	249.2	189.4	124.6	104.7	94.7	93.0	93.0	91.4	93.0
62.5°	330.6	302.4	209.3	161.2	111.3	94.7	86.4	84.7	79.7	74.8	76.4
65°	*299.0*	*255.9*	*166.1*	*134.6*	*96.4*	*81.4*	*76.4*	*74.8*	*66.5*	*59.8*	*61.5*
67.5°	259.2	204.3	124.6	113.0	83.1	69.8	64.8	64.8	59.8	54.8	54.8
70°	230.9	159.5	104.7	84.7	66.5	54.8	54.8	58.1	53.2	46.5	46.5
72.5°	204.3	129.6	84.7	68.1	51.5	43.2	46.5	48.2	43.2	38.2	38.2
75°	174.4	101.3	66.5	53.2	38.2	33.2	34.9	38.2	34.9	29.9	31.6
77.5°	126.3	69.8	44.9	34.9	28.2	24.9	26.6	26.6	24.9	23.3	23.3
80°	88.1	46.5	29.9	23.3	19.9	18.3	18.3	16.6	16.6	18.3	18.3
82.5°	53.2	33.2	21.6	18.3	15.0	11.6	11.6	13.3	13.3	15.0	15.0
85°	23.3	19.9	15.0	13.3	10.0	8.3	10.0	10.0	11.6	13.3	13.3
87.5°	15.0	15.0	11.6	10.0	8.3	6.6	6.6	8.3	8.3	10.0	11.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	822.4	839.0	858.9	887.2	912.1	942.0	971.9	1000.1	1026.7	1030.0	1041.7
5°	716.1	747.6	787.5	834.0	890.5	950.3	1008.5	1069.9	1119.8	1138.0	1164.6
7.5°	606.4	646.3	704.4	775.9	855.6	945.3	1035.0	1121.4	1196.2	1231.1	1266.0
10°	501.7	539.9	611.4	697.8	800.8	922.1	1041.7	1158.0	1249.4	1289.2	1322.5
12.5°	407.0	445.2	503.4	603.1	727.7	873.9	1031.7	1171.3	1272.6	1314.1	1345.7
15°	332.3	363.8	418.7	511.7	643.0	807.4	996.8	1161.3	1277.6	1317.5	1340.7
17.5°	292.4	300.7	335.6	420.3	563.2	747.6	952.0	1148.0	1280.9	1317.5	1330.8
20°	275.8	275.8	282.4	327.3	466.8	684.5	918.7	1139.7	1285.9	1322.5	1320.8
22.5°	260.8	264.2	264.2	274.1	355.5	596.4	883.8	1136.4	1300.9	1329.1	1305.8
25°	247.5	252.5	252.5	255.9	279.1	491.8	840.7	1143.0	1327.4	1342.4	1295.9
27.5°	235.9	240.9	240.9	244.2	249.2	365.5	769.2	1144.7	1357.3	1359.0	1282.6
30°	224.3	229.3	232.6	232.6	235.9	269.1	679.5	1134.7	1390.6	1380.6	1280.9
32.5°	211.0	217.6	219.3	222.6	224.3	234.3	563.2	1118.1	1432.1	1410.5	1282.6
35°	199.4	207.7	209.3	209.3	212.7	222.6	450.2	1099.8	1488.6	1450.4	1289.2
37.5°	187.7	194.4	196.0	197.7	201.0	211.0	357.2	1073.2	1536.8	1500.2	1322.5
40°	174.4	182.8	184.4	186.1	189.4	199.4	307.4	1040.0	1609.9	1583.3	1372.3
42.5°	161.2	169.5	172.8	174.4	176.1	189.4	280.8	1016.8	1727.8	1699.6	1473.6
45°	149.5	157.8	161.2	161.2	164.5	182.8	257.5	1068.3	1890.6	1877.3	1609.9
47.5°	139.6	147.9	149.5	149.5	151.2	172.8	237.6	1206.2	2139.8	2105.0	1822.5
50°	131.2	137.9	141.2	137.9	139.6	164.5	249.2	1433.8	2458.8	2470.5	2134.9
52.5°	124.6	131.2	132.9	126.3	126.3	152.8	264.2	1619.8	2865.9	2972.2	2629.9
55°	116.3	122.9	124.6	116.3	116.3	134.6	229.3	1631.5	3329.4	3671.6	3274.6
57.5°	108.0	114.6	114.6	108.0	106.3	116.3	186.1	1447.1	3688.2	4464.1	4156.7
60°	98.0	104.7	103.0	99.7	96.4	106.3	171.1	1103.2	3640.1	4980.8	5168.5
62.5°	79.7	89.7	93.0	91.4	84.7	96.4	159.5	719.4	3150.0	4532.2	5137.0
65°	*66.5*	*74.8*	*79.7*	*79.7*	*74.8*	*106.3*	*139.6*	*378.8*	*2522.0*	*3846.1*	*4528.9*
67.5°	58.1	66.5	69.8	68.1	64.8	94.7	88.1	182.8	1933.8	3314.4	4053.7
70°	51.5	58.1	61.5	56.5	53.2	76.4	63.1	108.0	1294.2	2766.2	3610.2
72.5°	41.5	48.2	51.5	46.5	41.5	56.5	48.2	71.4	842.3	2357.5	3208.1
75°	33.2	39.9	41.5	38.2	33.2	41.5	38.2	49.8	549.9	1950.4	2728.0
77.5°	24.9	28.2	31.6	29.9	24.9	29.9	26.6	34.9	314.0	1369.0	1913.9
80°	19.9	21.6	21.6	21.6	19.9	18.3	18.3	23.3	141.2	674.5	998.5
82.5°	16.6	18.3	18.3	16.6	15.0	13.3	11.6	13.3	41.5	302.4	460.2
85°	15.0	16.6	13.3	11.6	10.0	8.3	5.0	5.0	11.6	48.2	89.7
87.5°	11.6	10.0	8.3	6.6	3.3	1.7	1.7	0.0	1.7	1.7	1.7
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: P1364625
CATALOG NUMBER: GSS-SB1C-750-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	935.4	935.4	935.4	*935.4*	935.4	935.4	935.4	935.4	935.4	935.4
2.5°	1060.0	1076.6	1088.2	*1098.2*	1094.8	1086.5	1069.9	1058.3	1055.6	1055.0
5°	1199.5	1226.1	1249.4	*1246.0*	1249.4	1224.4	1199.5	1169.6	1157.6	1154.7
7.5°	1315.8	1349.0	1377.3	*1374.0*	1364.0	1335.7	1294.2	1249.4	1228.1	1222.8
10°	1378.9	1417.1	1440.4	*1432.1*	1415.5	1378.9	1337.4	1284.2	1260.3	1254.3
12.5°	1390.6	1415.5	1410.5	*1407.2*	1403.9	1385.6	1354.0	1305.8	1281.9	1275.9
15°	1360.7	1350.7	1322.5	*1315.8*	1340.7	1364.0	1357.3	1317.5	1294.9	1289.2
17.5°	1310.8	1259.3	1207.8	*1201.2*	1242.7	1307.5	1359.0	1335.7	1314.5	1309.2
20°	1256.0	1159.6	1103.2	*1091.5*	1143.0	1239.4	1340.7	1354.0	1339.4	1335.7
22.5°	1191.2	1078.2	1018.4	*1011.8*	1050.0	1163.0	1314.1	1374.0	1367.3	1365.6
25°	1134.7	1006.8	950.3	*940.3*	990.2	1099.8	1287.6	1407.2	1403.2	1402.2
27.5°	1088.2	955.3	895.5	*888.8*	937.0	1046.7	1254.3	1435.4	1448.7	1452.0
30°	1051.6	917.1	857.3	*849.0*	902.1	1010.1	1231.1	1475.3	1500.6	1506.9
32.5°	1023.4	895.5	839.0	*834.0*	890.5	995.2	1217.8	1516.8	1568.7	1581.6
35°	1013.4	902.1	863.9	*875.5*	918.7	1010.1	1227.8	1584.9	1656.7	1674.7
37.5°	1035.0	975.2	1001.8	*1031.7*	1048.3	1081.6	1274.3	1694.6	1787.6	1810.9
40°	1104.8	1171.3	1295.9	*1354.0*	1347.4	1270.9	1380.6	1849.1	1982.0	2015.2
42.5°	1282.6	1498.6	1762.7	*1860.7*	1804.2	1573.3	1550.1	2103.3	2254.8	2292.7
45°	1546.7	1894.0	2327.6	*2548.5*	2354.2	1957.1	1817.5	2465.5	2611.7	2648.2
47.5°	1810.9	2335.9	3025.4	*3287.9*	2905.7	2337.5	2168.1	2899.1	3030.7	3063.6
50°	2080.0	2824.3	3721.5	*4072.0*	3455.7	2724.6	2540.2	3434.1	3529.7	3553.7
52.5°	2357.5	3261.3	4489.0	*4791.4*	4030.5	3023.7	2965.5	4017.2	4074.3	4088.6
55°	2666.5	3675.0	5258.2	*5502.5*	4553.8	3284.5	3464.0	4626.9	4612.3	4608.6
57.5°	3078.5	4110.2	5877.9	*6218.5*	5029.0	3636.7	4130.2	5304.8	5019.0	4947.6
60°	3797.9	4786.4	6648.8	*7019.3*	5665.3	4151.8	4620.3	5289.8	4779.4	4651.8
62.5°	4631.9	5437.7	7346.6	*7658.9*	6334.8	4663.5	4229.8	4442.5	3937.4	3811.2
65°	*4023.8*	*5323.0*	*7368.2*	*7688.8*	*6359.7*	*4351.1*	*3126.7*	*3150.0*	*2724.6*	*2618.3*
67.5°	3424.1	4718.3	6710.3	*6962.8*	5673.6	3596.9	2073.4	2055.1	1788.0	1721.2
70°	3048.6	4133.5	5783.2	*5565.6*	4769.8	3040.3	1377.3	1141.4	975.2	933.7
72.5°	2739.6	3279.5	4686.7	*3836.1*	3957.4	2473.8	875.5	777.5	648.6	616.4
75°	2480.4	2713.0	2924.0	*2651.5*	2811.0	2038.5	742.6	599.8	490.8	463.5
77.5°	1973.7	2111.6	1731.1	*1681.3*	1968.7	1450.4	368.8	252.5	220.6	212.7
80°	1174.6	998.5	981.9	*1119.8*	1310.8	752.6	225.9	139.6	126.3	122.9
82.5°	711.1	360.5	392.1	*495.1*	697.8	342.2	134.6	59.8	53.2	51.5
85°	119.6	98.0	151.2	*144.5*	136.2	73.1	36.6	16.6	15.3	15.0
87.5°	3.3	5.0	6.6	*8.3*	8.3	8.3	8.3	8.3	9.6	10.0
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

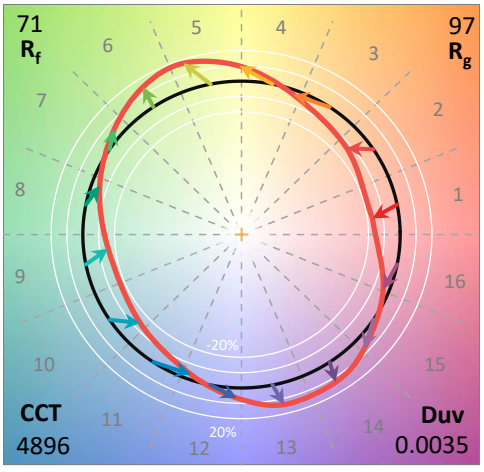
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

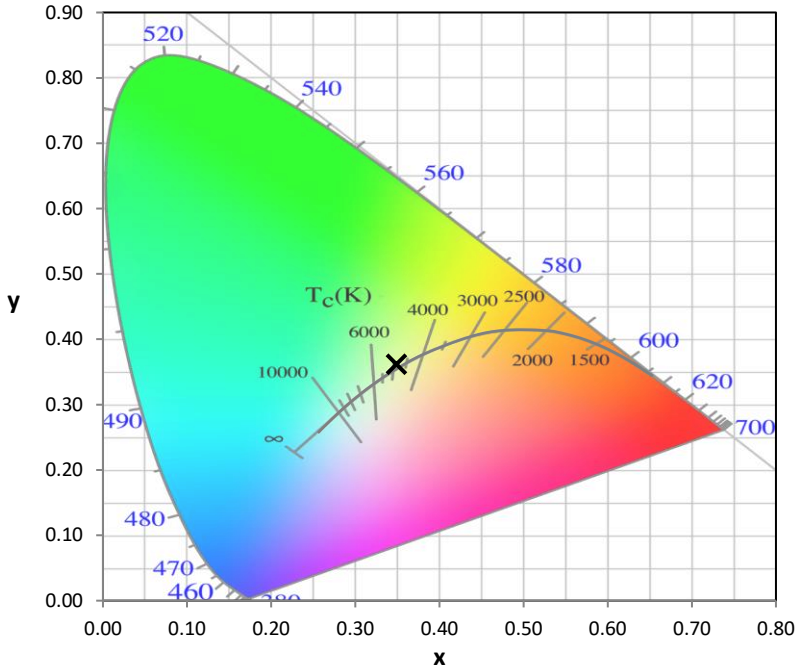
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

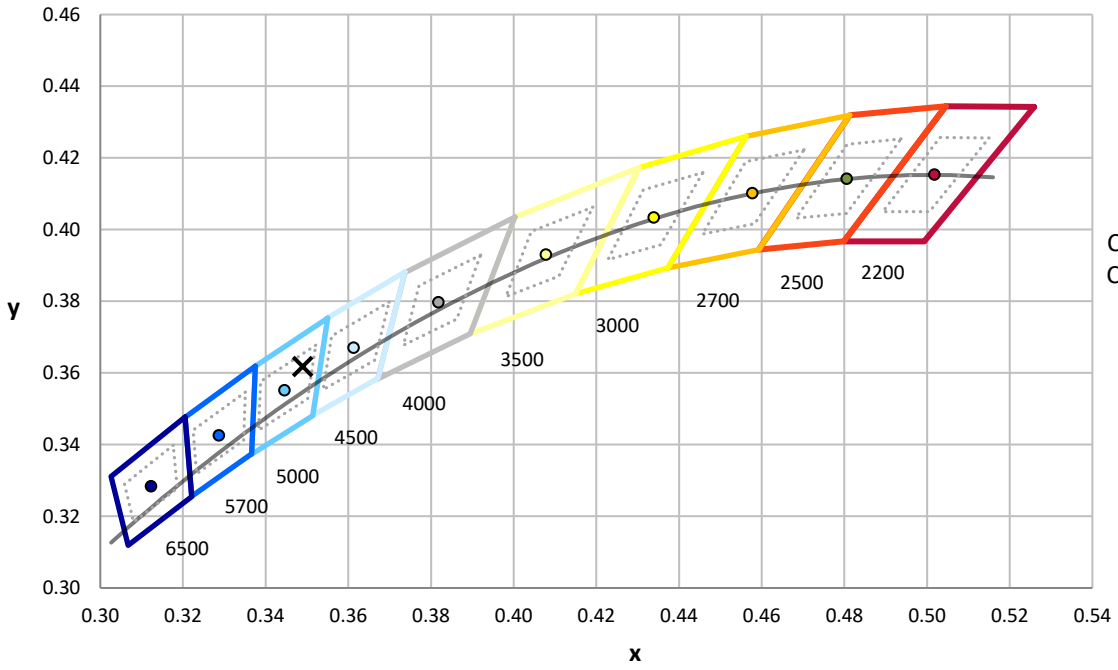
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

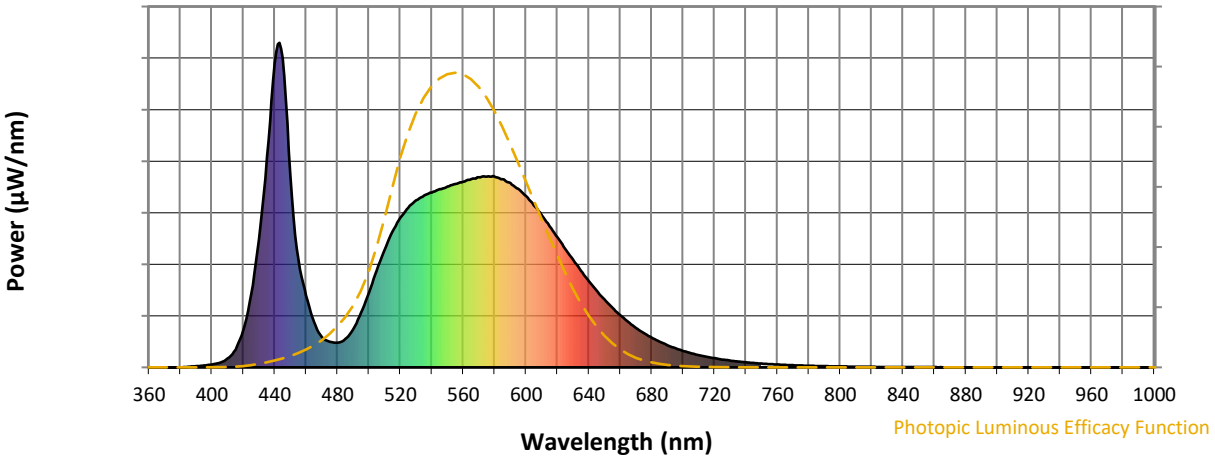


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

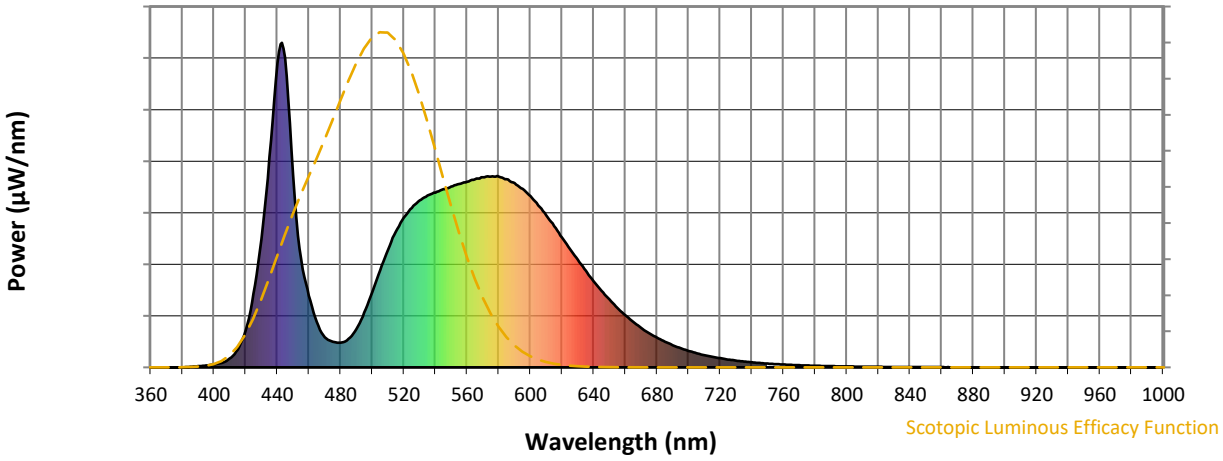


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

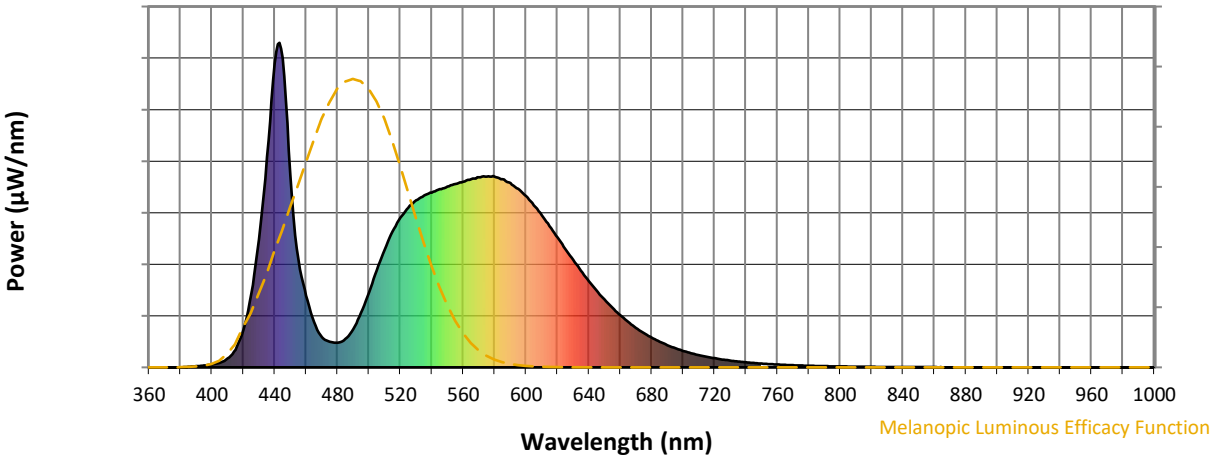


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

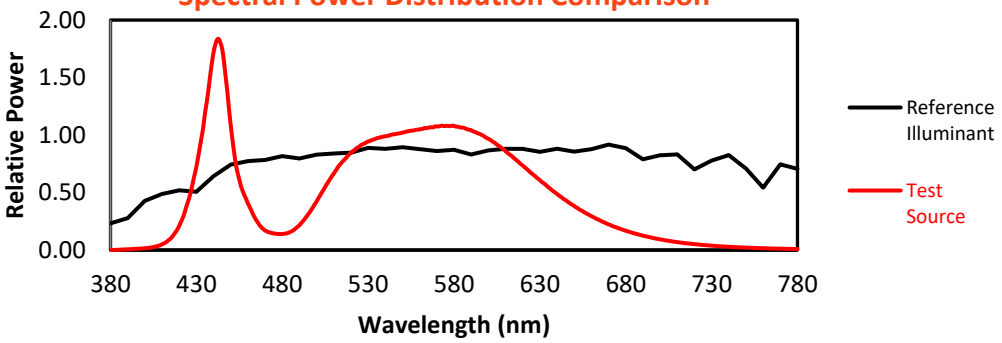
REPORT NUMBER: SP1-2407-184-6

TM-30-18

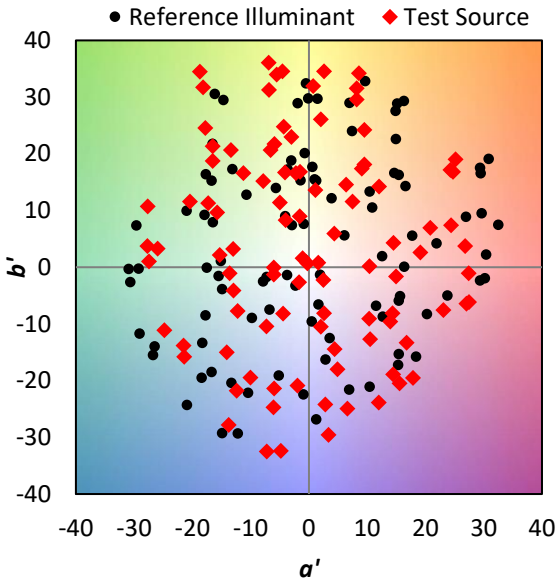
Summary

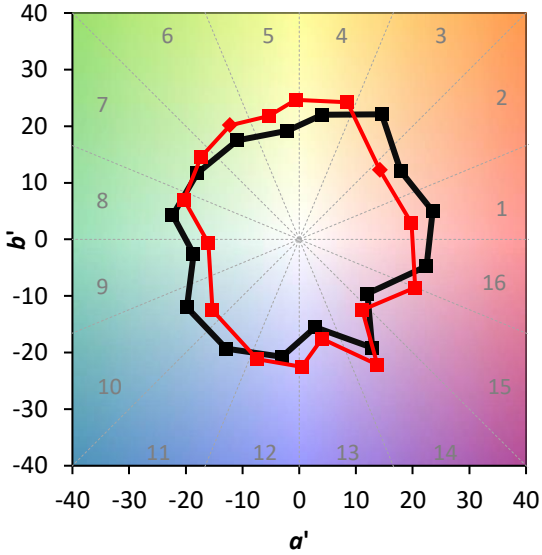
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

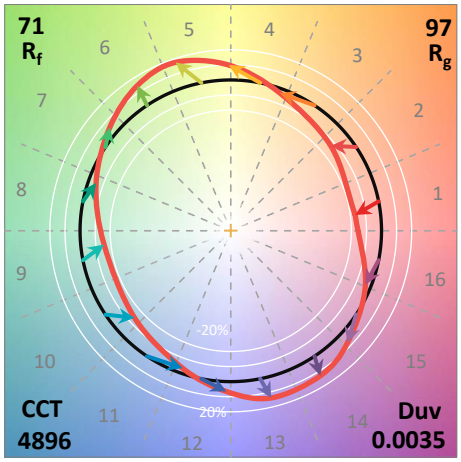
Spectral Power Distribution Comparison

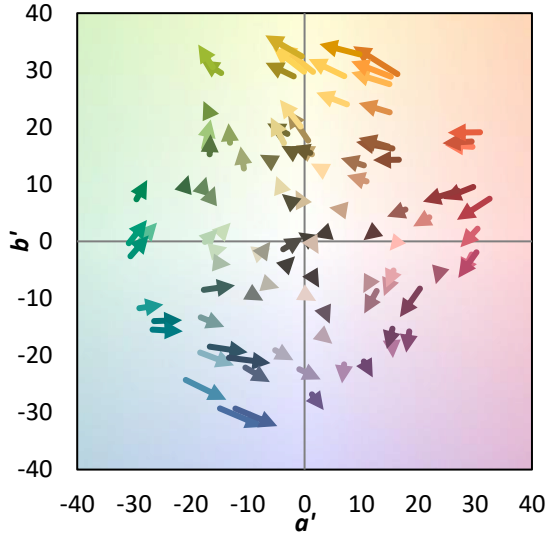


Color Vector Graphics







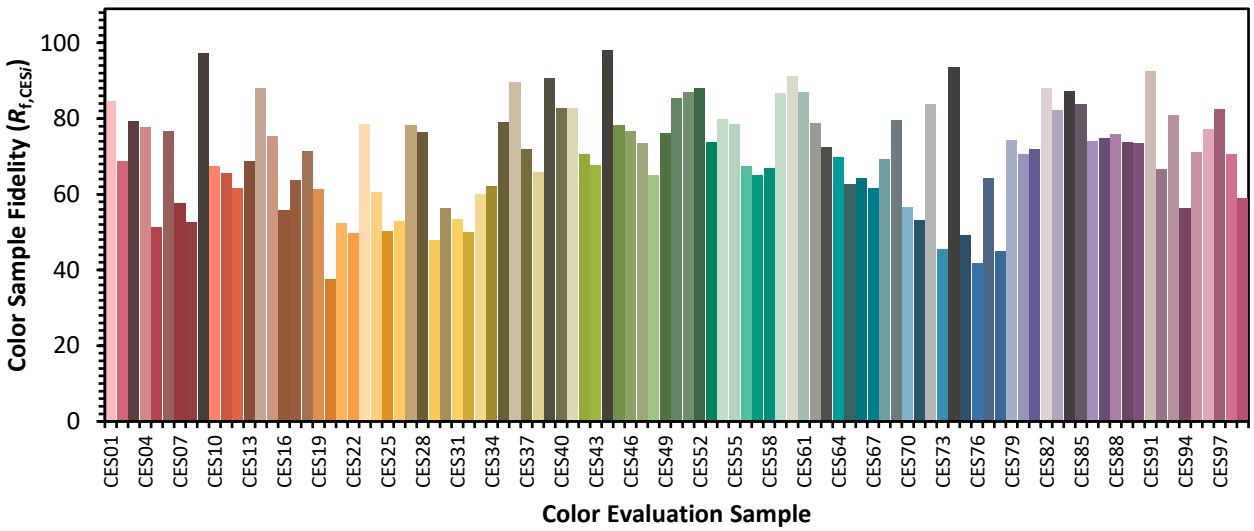


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

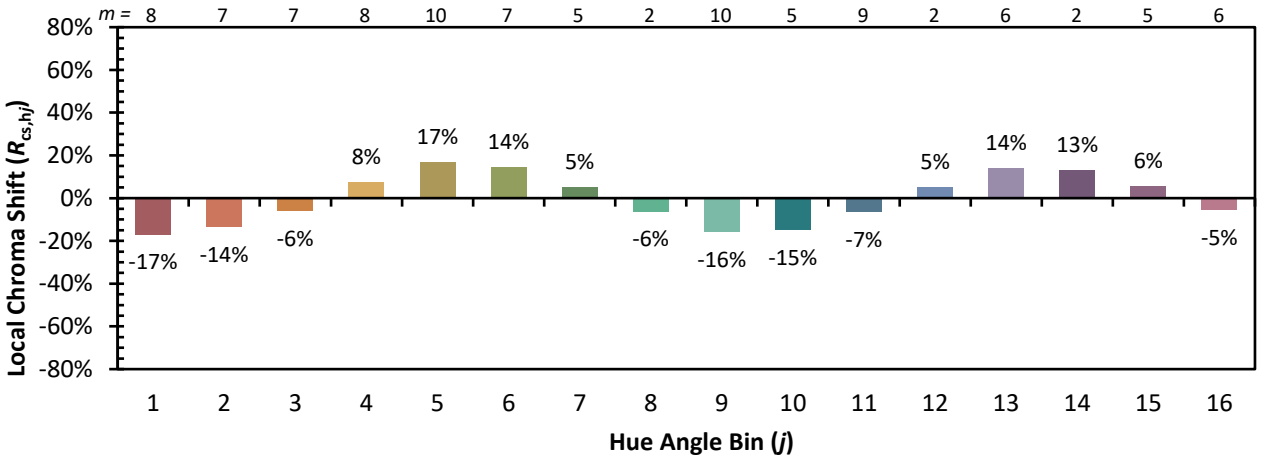
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CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
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CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

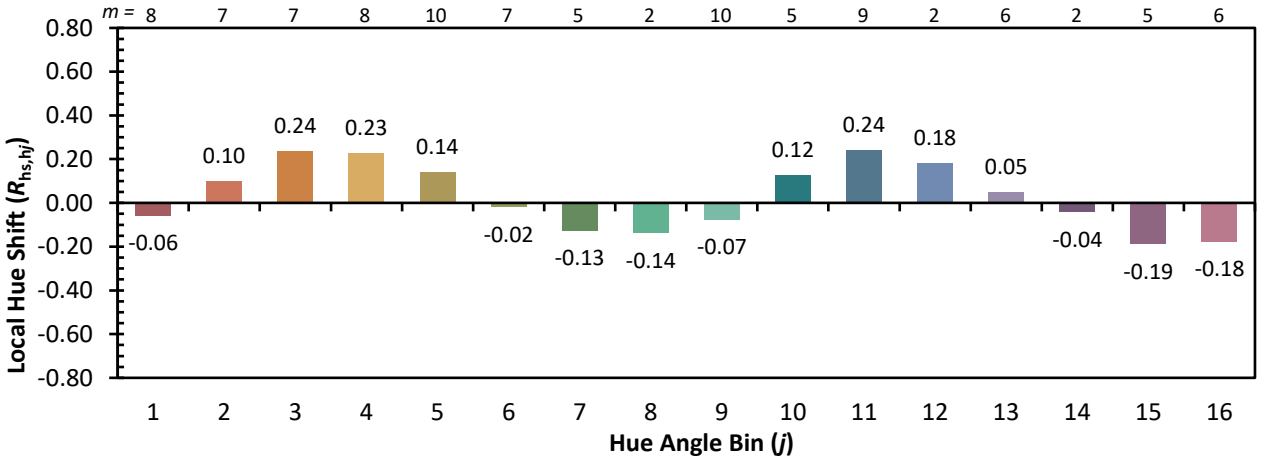


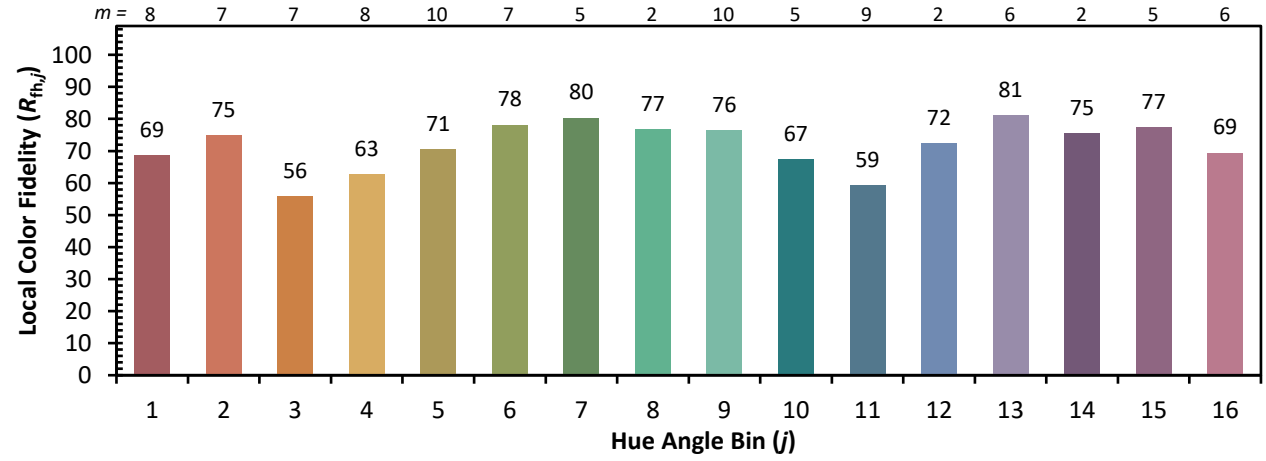
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Color Rendition by Hue-Angle Bin



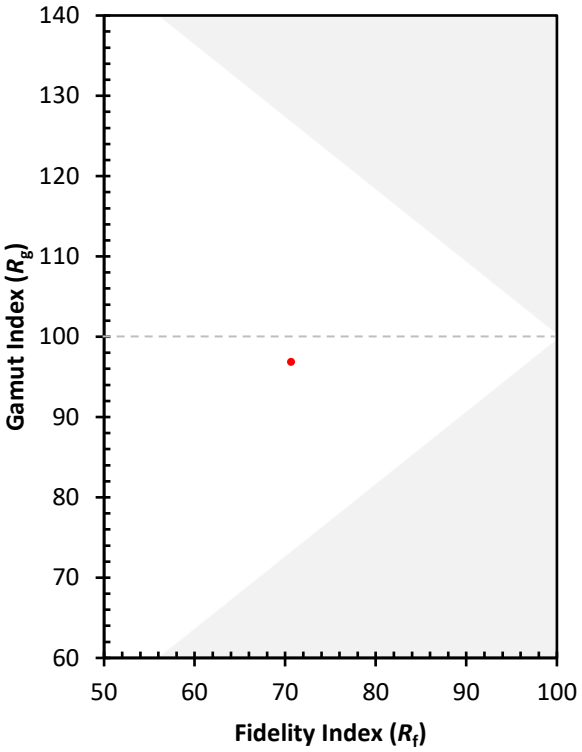


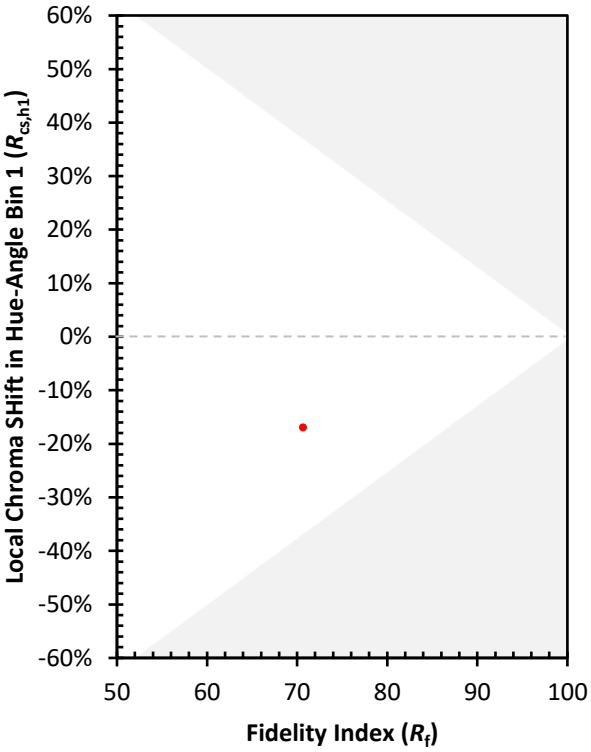


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Measure Comparisons





(END OF REPORT)