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: P1501901

Luminaire Tested: GSS-SB1A-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501901
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2967.4 lumens
Efficiency:	N/A
Efficacy:	95.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

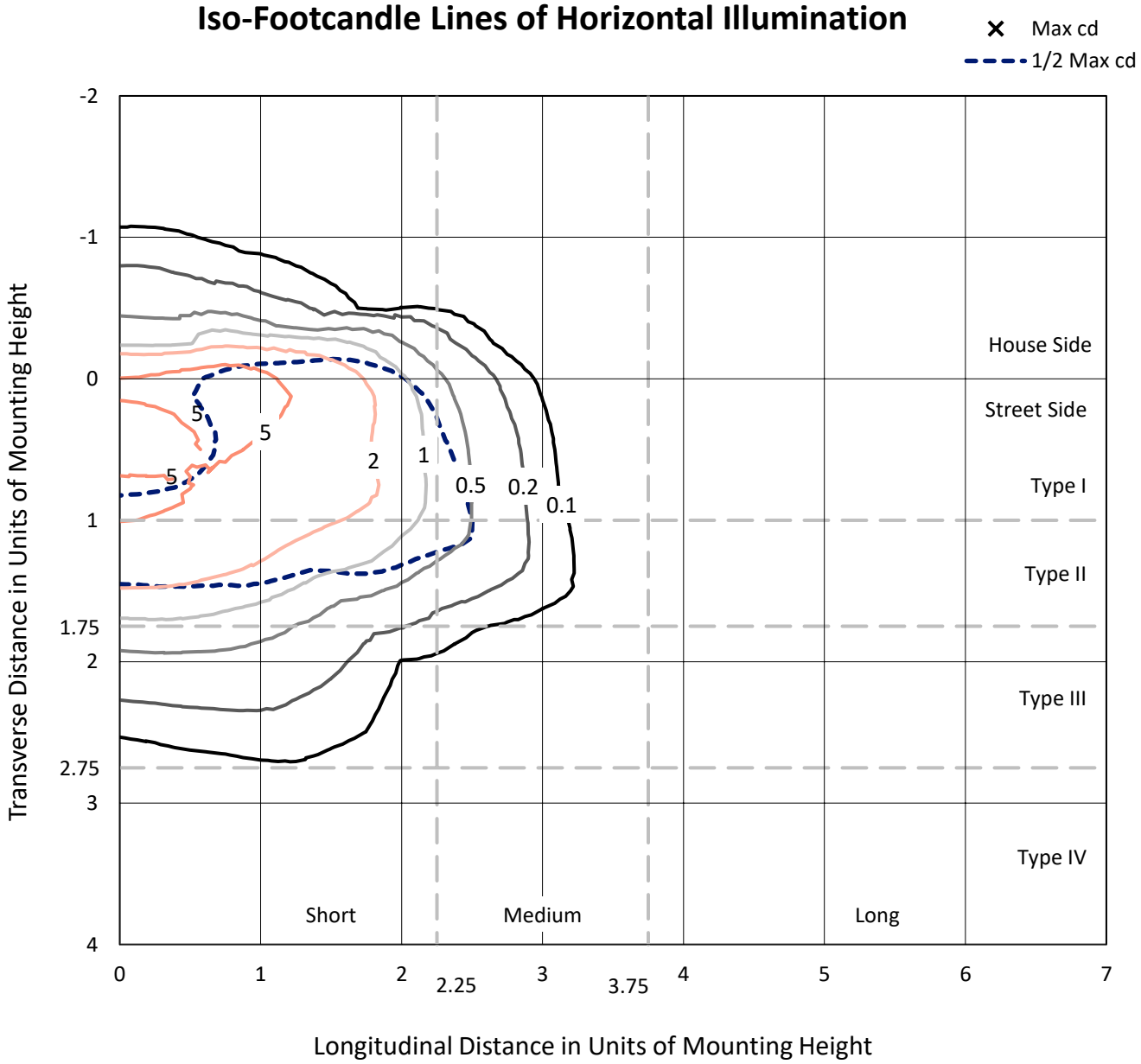
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



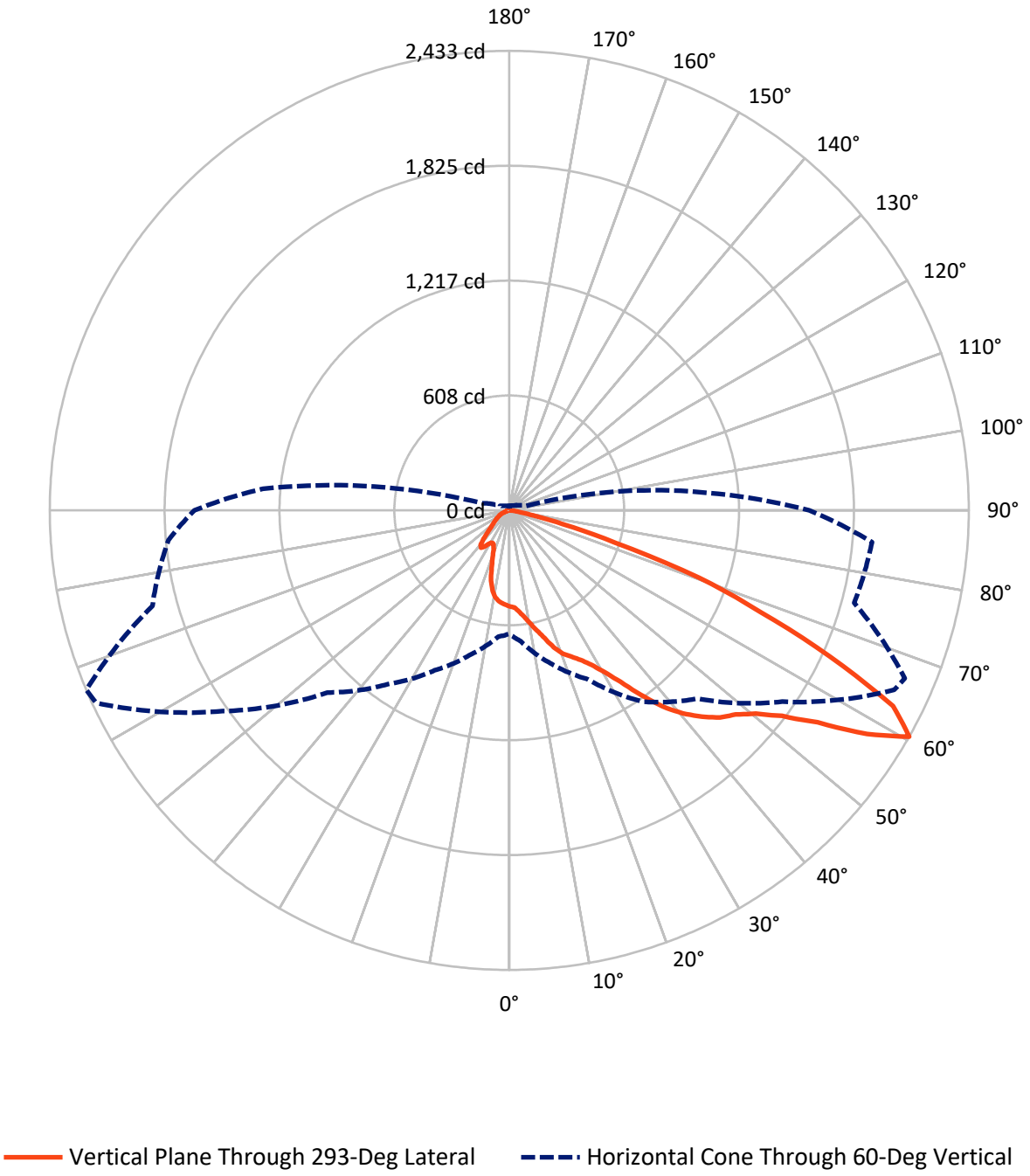
Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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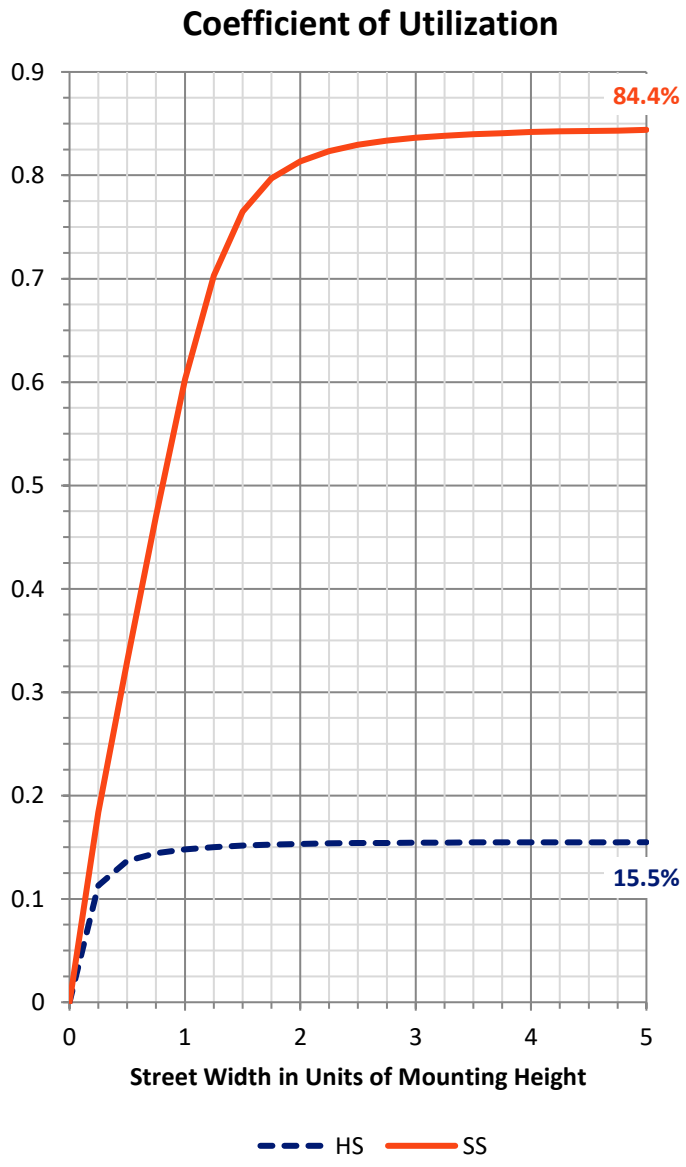
REPORT NUMBER: P1501901
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	463.0	0.0	463.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	2504.4	0.0	2504.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	2967.4	0.0	2967.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.6
10°-20°	116.0	3.9
20°-30°	216.5	7.3
30°-40°	429.4	14.5
40°-50°	684.6	23.1
50°-60°	817.9	27.6
60°-70°	536.2	18.1
70°-80°	112.3	3.8
80°-90°	8.5	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°	2967.4	100.0
0°-180°	2967.4	100.0



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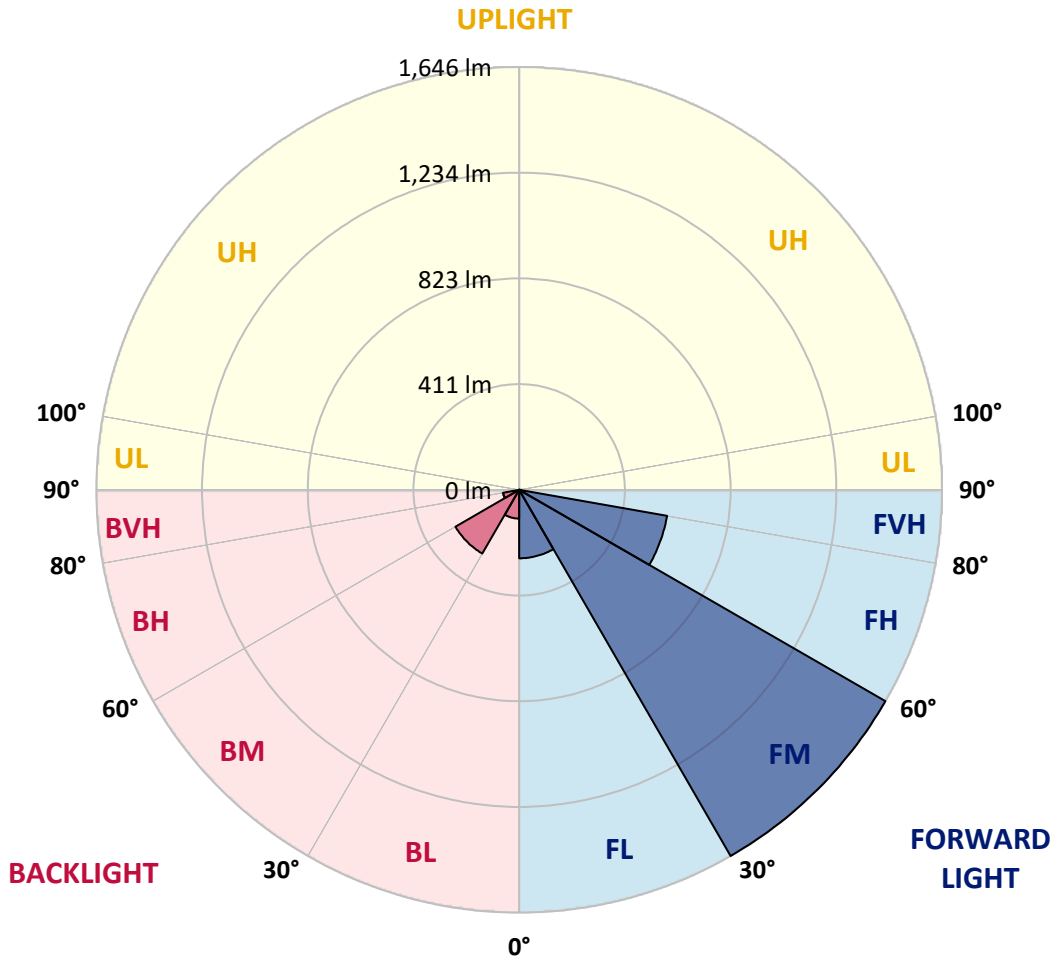
Scaled Data Report

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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°)	266.5	9.0			
FM	(30°-60°)	1645.5	55.5			
FH	(60°-80°)	584.6	19.7			G0/660
FVH	(80°-90°)	7.8	0.3			G0/10
BL	(0°-30°)	112.0	3.8	B1/500		
BM	(30°-60°)	286.3	9.6	B1/1000		
BH	(60°-80°)	64.0	2.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	534.3	532.7	530.2	531.0	530.2	526.9	521.9	517.7	521.0	516.1	512.7
5°	550.1	550.1	548.5	548.5	549.3	547.6	544.3	538.5	539.3	535.2	524.4
7.5°	550.1	547.6	551.8	555.9	563.4	567.6	569.2	565.9	567.6	559.3	545.1
10°	517.7	516.1	526.9	542.6	564.3	583.4	595.8	596.7	599.2	590.8	574.2
12.5°	448.7	445.4	467.0	496.9	541.0	585.0	619.9	633.2	639.0	635.7	612.5
15°	384.8	388.9	403.9	436.3	495.3	562.6	633.2	677.3	685.6	689.7	662.3
17.5°	378.1	378.9	383.9	399.7	444.6	526.0	634.9	723.0	734.6	752.9	715.5
20°	396.4	394.7	399.7	404.7	426.3	493.6	619.1	767.0	789.5	828.5	787.8
22.5°	430.5	430.5	433.0	436.3	447.1	491.1	612.5	807.7	846.0	925.7	878.4
25°	487.8	481.2	482.8	478.7	487.8	521.0	627.4	840.1	892.5	1033.8	986.4
27.5°	576.7	579.2	564.3	541.8	546.8	575.1	664.0	876.7	940.7	1146.0	1096.1
30°	699.7	695.6	686.4	642.4	622.4	647.4	731.3	936.5	1005.5	1288.1	1242.4
32.5°	796.1	807.7	791.9	761.2	730.5	737.9	826.0	1032.9	1084.5	1418.5	1393.6
35°	912.4	912.4	915.8	872.6	851.8	850.1	944.9	1137.6	1189.2	1536.5	1554.0
37.5°	1069.5	1058.7	1040.4	992.2	976.4	997.2	1056.2	1245.7	1301.4	1632.1	1678.6
40°	1201.6	1209.1	1206.6	1136.8	1106.1	1128.5	1180.9	1337.9	1381.1	1693.6	1779.2
42.5°	1331.3	1335.4	1324.6	1291.4	1246.5	1248.2	1291.4	1407.7	1451.8	1752.6	1873.9
45°	1428.5	1427.7	1420.2	1411.9	1385.3	1357.9	1365.3	1485.0	1523.2	1771.7	1925.4
47.5°	1459.2	1465.9	1472.5	1495.8	1514.1	1470.9	1432.7	1526.6	1561.5	1768.4	1944.6
50°	1431.0	1445.1	1477.5	1512.4	1574.8	1571.4	1489.2	1571.4	1605.5	1786.7	1967.0
52.5°	1367.8	1382.0	1425.2	1488.3	1582.2	1628.8	1593.9	1647.1	1686.9	1833.2	2013.5
55°	1220.7	1226.6	1315.5	1398.6	1544.8	1603.8	1706.1	1775.0	1808.3	1889.7	2075.0
57.5°	993.9	1008.0	1095.3	1230.7	1440.1	1538.2	1770.0	1993.6	1992.8	1943.7	2088.3
60°	*654.0*	*695.6*	*837.7*	*987.2*	*1237.4*	*1409.4*	*1765.9*	*2249.5*	*2275.3*	*1890.5*	*1927.9*
62.5°	499.4	516.9	597.5	722.1	915.8	1168.4	1738.5	2326.0	2345.9	1747.6	1687.8
65°	375.6	397.2	474.5	585.9	646.5	791.9	1559.0	2021.8	2049.3	1559.8	1312.2
67.5°	230.2	247.6	350.7	481.2	489.5	492.0	1052.1	1531.5	1541.5	1258.1	883.4
70°	153.7	171.2	242.7	369.8	389.7	283.4	577.5	1159.3	1158.4	860.9	536.8
72.5°	88.9	97.2	153.7	272.6	306.6	180.3	288.4	737.1	704.7	404.7	251.0
75°	50.7	56.5	84.8	175.3	215.2	114.7	113.8	394.7	349.0	208.6	137.1
77.5°	30.7	33.2	46.5	114.7	129.6	77.3	63.2	183.7	177.0	122.2	72.3
80°	15.0	17.5	28.3	67.3	83.1	41.6	38.2	72.3	77.3	67.3	38.2
82.5°	5.0	6.6	15.8	25.8	54.0	16.6	15.8	39.9	42.4	39.9	18.3
85°	2.5	3.3	7.5	8.3	20.8	8.3	5.8	17.5	21.6	13.3	7.5
87.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.7	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

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Scaled Data Report

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CATALOG NUMBER: GSS-SB1A-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	510.2	508.6	505.3	499.4	498.6	494.4	487.8	483.6	480.3	482.8	483.6
5°	519.4	515.2	505.3	489.5	472.8	456.2	440.4	422.2	409.7	408.0	404.7
7.5°	536.0	527.7	506.1	475.3	433.0	393.1	346.5	301.7	279.2	275.9	268.4
10°	562.6	548.5	512.7	450.4	369.0	285.9	215.2	167.0	139.6	134.6	136.3
12.5°	594.2	574.2	513.6	408.0	280.9	177.0	122.2	103.9	98.1	95.6	95.6
15°	634.9	605.8	512.7	353.2	189.5	113.8	98.1	90.6	88.1	86.4	86.4
17.5°	686.4	648.2	506.9	270.9	128.0	98.9	89.7	83.9	80.6	79.8	79.8
20°	747.1	695.6	493.6	201.9	107.2	92.2	84.8	77.3	74.8	73.1	73.1
22.5°	824.4	752.9	467.9	157.1	101.4	88.1	79.8	71.5	69.0	67.3	67.3
25°	914.1	826.0	433.8	141.3	100.6	84.8	74.8	66.5	64.0	63.2	62.3
27.5°	1020.5	904.1	402.2	142.1	102.2	82.3	69.8	62.3	59.8	57.3	58.2
30°	1146.0	984.7	376.4	152.1	103.9	79.8	66.5	59.8	57.3	54.0	54.0
32.5°	1269.8	1079.5	374.0	170.4	109.7	78.1	63.2	56.5	54.0	51.5	51.5
35°	1396.9	1165.9	388.1	194.5	121.3	75.6	59.0	53.2	50.7	49.0	48.2
37.5°	1518.2	1234.9	401.4	209.4	114.7	64.8	54.0	49.0	46.5	43.2	43.2
40°	1598.9	1272.3	403.9	197.8	94.7	58.2	49.0	44.0	40.7	39.1	38.2
42.5°	1657.9	1296.4	375.6	160.4	82.3	53.2	44.9	39.9	37.4	35.7	35.7
45°	1682.0	1288.1	327.4	122.2	75.6	49.0	40.7	36.6	34.9	33.2	33.2
47.5°	1678.6	1249.8	278.4	98.1	69.0	44.9	38.2	34.9	33.2	31.6	30.7
50°	1672.8	1214.1	228.5	87.3	61.5	42.4	35.7	33.2	30.7	29.1	28.3
52.5°	1711.0	1202.5	189.5	79.8	57.3	40.7	34.9	31.6	29.1	27.4	27.4
55°	1749.3	1207.5	148.8	74.8	53.2	39.9	34.1	30.7	28.3	25.8	25.8
57.5°	1746.8	1185.8	113.0	69.8	49.9	39.1	33.2	29.9	25.8	24.1	24.1
60°	*1588.1*	*1057.9*	*88.1*	*64.0*	*45.7*	*36.6*	*30.7*	*28.3*	*24.1*	*21.6*	*21.6*
62.5°	1342.9	831.8	72.3	56.5	40.7	33.2	28.3	25.8	21.6	17.5	17.5
65°	992.2	600.0	58.2	49.0	37.4	29.1	25.8	22.4	17.5	14.1	13.3
67.5°	671.5	369.0	46.5	40.7	33.2	24.9	21.6	19.1	15.8	11.6	10.8
70°	398.1	196.1	34.1	28.3	24.9	18.3	18.3	16.6	13.3	10.0	9.1
72.5°	189.5	68.1	24.9	20.8	19.1	13.3	14.1	14.1	10.8	7.5	6.6
75°	96.4	33.2	16.6	15.0	12.5	10.0	11.6	10.8	7.5	5.0	5.0
77.5°	54.8	23.3	11.6	10.0	8.3	6.6	7.5	6.6	4.2	2.5	2.5
80°	30.7	16.6	7.5	6.6	5.0	4.2	4.2	3.3	2.5	0.8	0.8
82.5°	11.6	10.0	5.0	3.3	2.5	2.5	1.7	1.7	0.8	0.0	0.0
85°	5.0	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	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°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	477.0	478.7	480.3	487.0	488.6	493.6	497.8	502.8	503.6	510.2	510.2
5°	411.3	410.5	424.6	445.4	458.7	477.0	491.1	506.1	514.4	525.2	530.2
7.5°	272.6	293.3	324.9	361.5	408.9	452.9	486.1	515.2	535.2	547.6	552.6
10°	135.5	147.1	180.3	240.2	320.8	410.5	481.2	535.2	567.6	581.7	590.8
12.5°	95.6	98.1	103.9	136.3	213.6	340.7	465.4	556.8	601.6	628.2	639.9
15°	85.6	87.3	89.7	98.9	132.1	254.3	437.1	580.9	654.8	685.6	700.5
17.5°	78.9	79.8	82.3	89.7	103.9	172.8	391.4	606.6	718.8	756.2	784.5
20°	73.1	73.1	75.6	84.8	96.4	133.0	325.8	635.7	800.3	854.3	882.5
22.5°	66.5	68.1	69.8	79.8	93.9	121.3	264.3	658.2	890.8	956.5	989.7
25°	61.5	63.2	64.8	74.8	91.4	121.3	228.5	672.3	992.2	1070.3	1116.0
27.5°	57.3	59.0	61.5	71.5	88.9	126.3	214.4	676.4	1102.7	1204.1	1265.6
30°	54.0	55.7	58.2	69.0	90.6	132.1	219.4	670.6	1214.9	1342.1	1415.2
32.5°	50.7	52.4	54.8	66.5	90.6	139.6	236.0	659.0	1323.8	1480.0	1569.8
35°	48.2	49.0	49.9	59.8	82.3	138.8	256.8	647.4	1433.5	1616.3	1721.0
37.5°	43.2	44.0	45.7	51.5	65.6	126.3	260.9	633.2	1519.9	1731.0	1846.5
40°	38.2	39.9	41.6	47.4	54.8	102.2	242.7	603.3	1565.6	1819.1	1959.5
42.5°	34.9	35.7	37.4	43.2	50.7	81.4	203.6	551.0	1606.3	1878.9	2041.8
45°	32.4	33.2	34.9	39.1	47.4	70.6	160.4	487.0	1609.7	1898.0	2081.7
47.5°	29.9	30.7	31.6	35.7	45.7	63.2	123.0	428.8	1608.8	1922.9	2115.7
50°	28.3	29.1	30.7	34.1	43.2	56.5	101.4	381.4	1643.7	1977.0	2184.7
52.5°	27.4	27.4	29.9	33.2	40.7	51.5	84.8	339.1	1662.0	2030.1	2234.6
55°	25.8	26.6	28.3	31.6	38.2	49.0	72.3	285.9	1670.3	2056.7	2243.7
57.5°	24.1	24.9	27.4	29.9	36.6	46.5	62.3	213.6	1551.5	1918.0	2090.8
60°	*21.6*	*23.3*	*26.6*	*29.1*	*34.1*	*42.4*	*54.8*	*144.6*	*1308.8*	*1667.0*	*1811.6*
62.5°	17.5	20.8	24.1	25.8	30.7	35.7	46.5	96.4	1045.4	1379.5	1544.0
65°	13.3	17.5	19.9	22.4	25.8	29.9	39.1	65.6	697.2	928.2	1113.5
67.5°	11.6	15.0	16.6	18.3	21.6	25.8	31.6	45.7	423.0	557.6	740.4
70°	9.1	12.5	14.1	13.3	16.6	19.9	22.4	30.7	216.1	302.5	421.3
72.5°	6.6	10.0	10.8	10.8	10.0	14.1	16.6	21.6	93.9	147.1	191.1
75°	5.0	6.6	7.5	6.6	5.8	9.1	11.6	14.1	61.5	88.1	111.4
77.5°	2.5	2.5	4.2	4.2	2.5	5.0	5.8	8.3	34.9	51.5	64.0
80°	0.8	0.0	0.0	0.8	0.0	1.7	2.5	4.2	18.3	27.4	39.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	9.1	8.3	20.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.0
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: P1501901
CATALOG NUMBER: GSS-SB1A-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	508.6	*508.6*	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	514.4	*514.4*	517.7	522.7	525.2	526.9	527.7	529.4	536.0	534.3
5°	536.0	*537.7*	540.2	545.1	551.0	549.3	549.3	549.3	553.4	550.1
7.5°	564.3	*569.2*	570.1	575.9	571.7	563.4	558.4	551.0	550.1	550.1
10°	610.0	*608.3*	608.3	600.8	585.9	561.8	540.2	525.2	516.9	517.7
12.5°	659.0	*652.3*	653.2	625.7	583.4	530.2	486.1	453.7	451.2	448.7
15°	719.7	*702.2*	698.9	635.7	546.0	464.5	421.3	395.6	387.2	384.8
17.5°	806.1	*762.0*	746.2	618.3	496.9	423.8	391.4	379.8	378.9	378.1
20°	897.5	*810.2*	780.3	592.5	480.3	424.6	400.5	397.2	395.6	396.4
22.5°	1003.9	*841.0*	802.8	596.7	495.3	452.1	433.0	430.5	428.8	430.5
25°	1113.5	*876.7*	829.3	629.9	540.2	502.8	480.3	475.3	480.3	487.8
27.5°	1224.1	*924.9*	881.7	695.6	612.5	571.7	550.1	568.4	575.9	576.7
30°	1322.1	*992.2*	952.3	787.8	694.7	654.0	658.2	681.4	690.6	699.7
32.5°	1411.9	*1082.0*	1051.2	892.5	801.1	777.0	774.5	791.9	801.9	796.1
35°	1502.5	*1199.1*	1169.2	1006.3	931.6	911.6	890.8	924.9	921.6	912.4
37.5°	1588.1	*1317.1*	1289.7	1128.5	1051.2	1016.3	1013.0	1043.7	1071.2	1069.5
40°	1649.5	*1412.7*	1379.5	1249.8	1176.7	1146.8	1164.2	1217.4	1210.8	1201.6
42.5°	1706.1	*1494.1*	1464.2	1356.2	1279.7	1293.0	1308.8	1344.6	1340.4	1331.3
45°	1732.6	*1564.0*	1538.2	1436.8	1399.4	1441.8	1441.0	1454.3	1431.8	1428.5
47.5°	1770.0	*1613.8*	1587.2	1509.1	1542.3	1559.8	1510.8	1496.6	1475.9	1459.2
50°	1839.0	*1691.1*	1664.5	1618.8	1647.1	1593.0	1533.2	1502.5	1460.1	1431.0
52.5°	1919.6	*1808.3*	1785.0	1766.7	1687.8	1576.4	1500.0	1444.3	1392.8	1367.8
55°	2021.0	*1981.1*	1964.5	1863.9	1651.2	1508.3	1418.5	1314.7	1244.0	1220.7
57.5°	2054.2	*2234.6*	2228.8	1879.7	1549.0	1384.5	1222.4	1082.0	1008.8	993.9
60°	*1956.2*	*2433.2*	*2412.4*	*1853.1*	*1363.7*	*1123.5*	*934.1*	*790.3*	*671.5*	*654.0*
62.5°	1830.7	*2281.1*	2273.6	1719.4	1038.8	805.2	698.0	563.4	512.7	499.4
65°	1568.1	*1866.4*	1869.8	1379.5	657.3	578.4	573.4	447.9	385.6	375.6
67.5°	1207.5	*1431.8*	1408.6	867.6	383.1	462.9	457.9	327.4	236.8	230.2
70°	705.5	*1066.2*	1028.8	451.2	253.5	386.4	352.3	230.2	161.2	153.7
72.5°	311.6	*586.7*	629.9	198.6	178.7	307.5	254.3	141.3	90.6	88.9
75°	172.8	*290.9*	304.1	86.4	125.5	218.6	153.7	78.9	51.5	50.7
77.5°	103.9	*128.8*	125.5	55.7	93.9	139.6	93.1	44.9	32.4	30.7
80°	58.2	*59.0*	49.9	40.7	55.7	78.1	52.4	28.3	15.0	15.0
82.5°	35.7	*32.4*	25.8	12.5	15.0	47.4	19.1	15.8	5.0	5.0
85°	15.0	*10.0*	6.6	2.5	5.8	12.5	6.6	7.5	2.5	2.5
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: SP1-2407-184-9

Test Date: 10/10/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

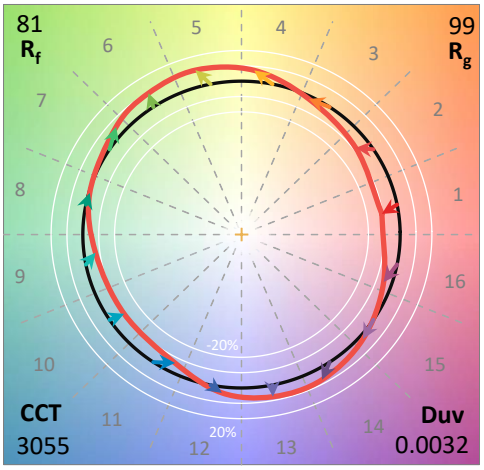
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

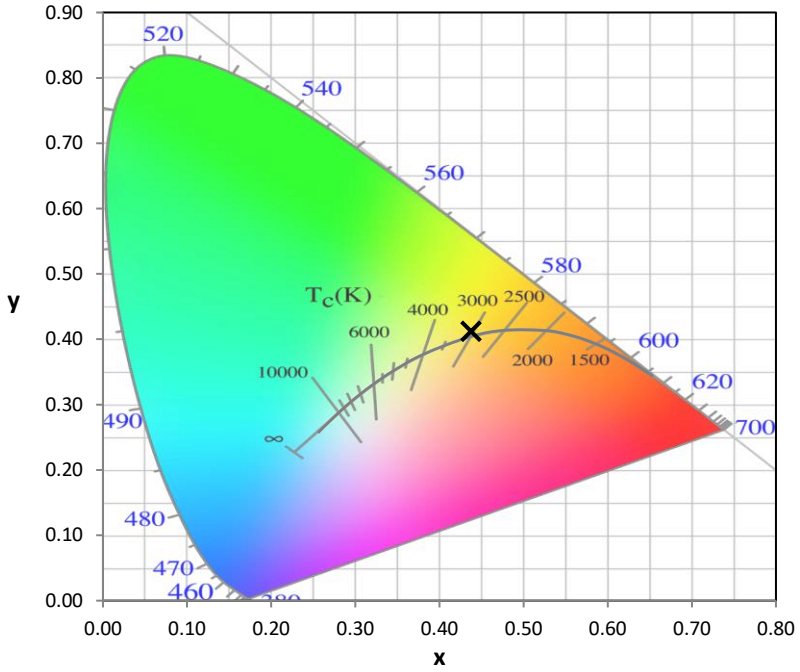
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

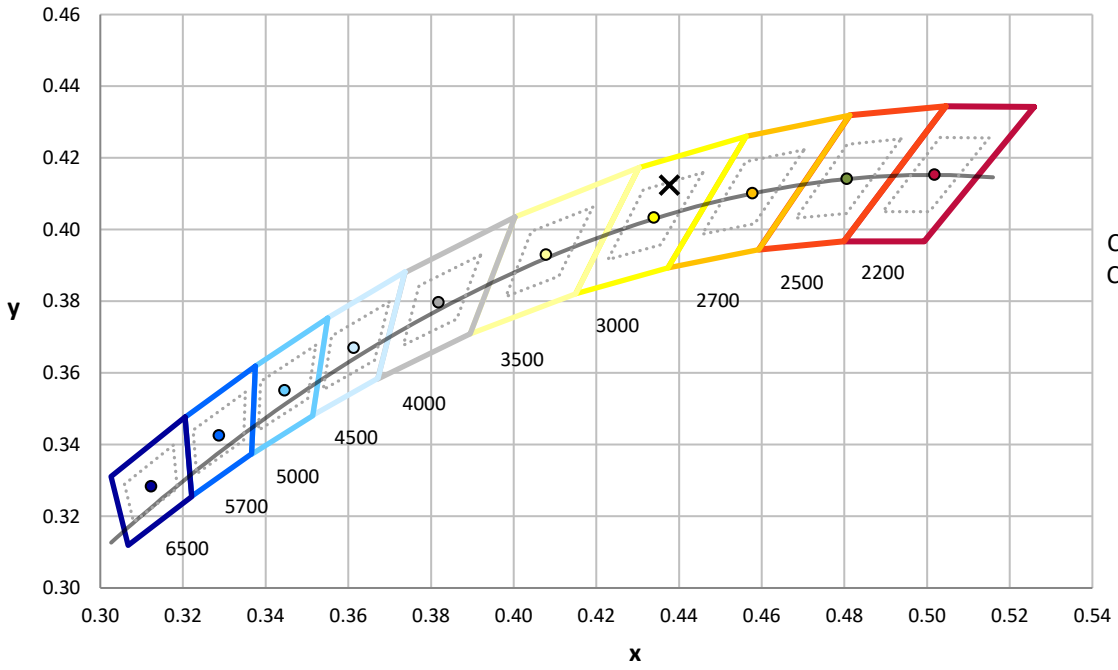
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

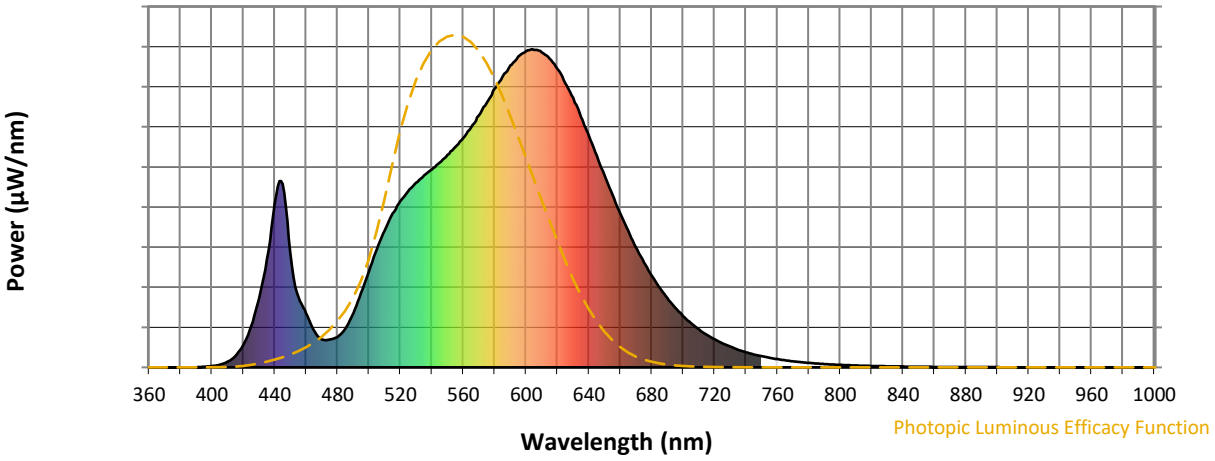


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

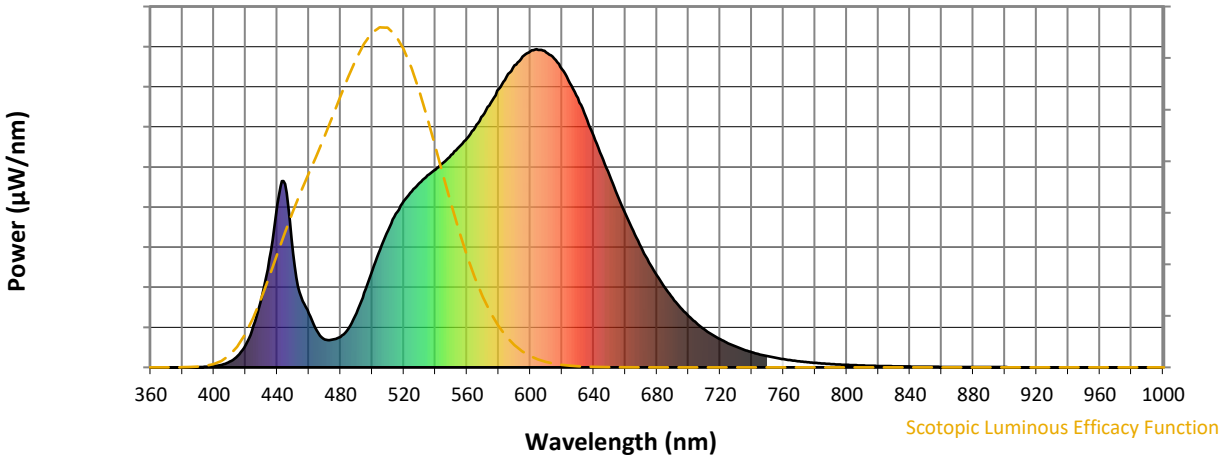


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

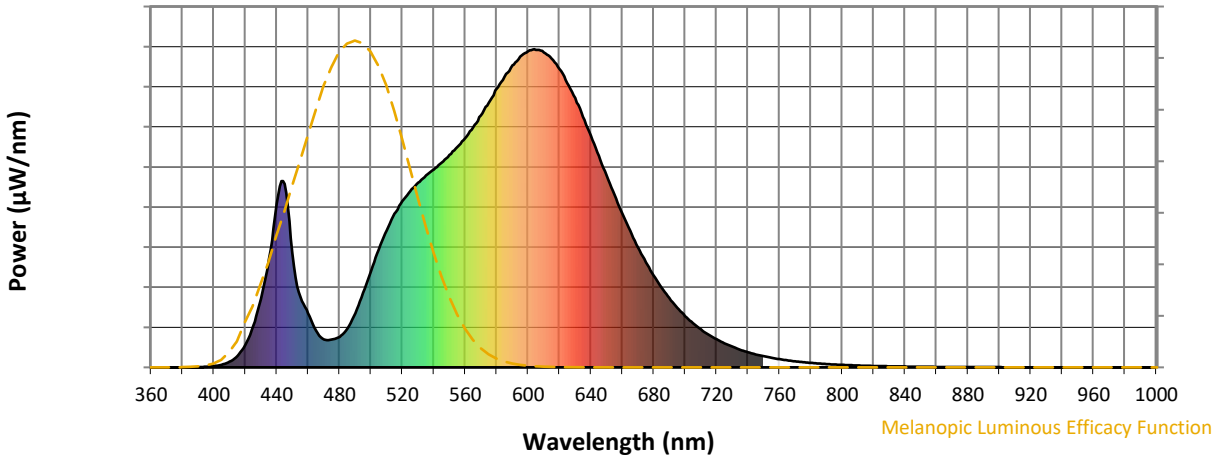


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

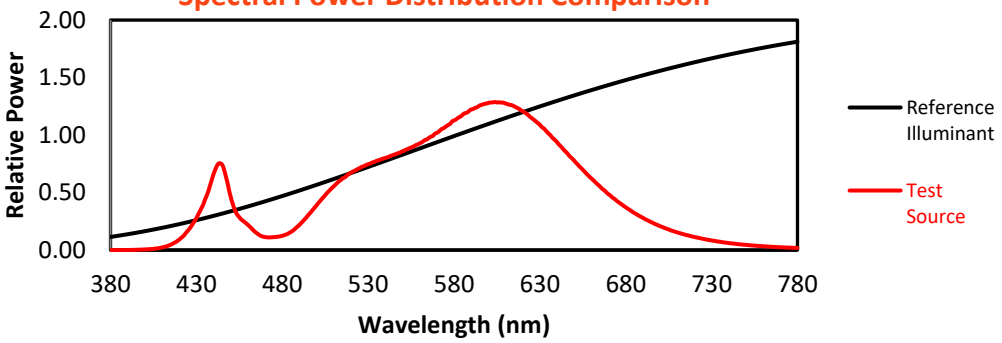
REPORT NUMBER: SP1-2407-184-9

TM-30-18

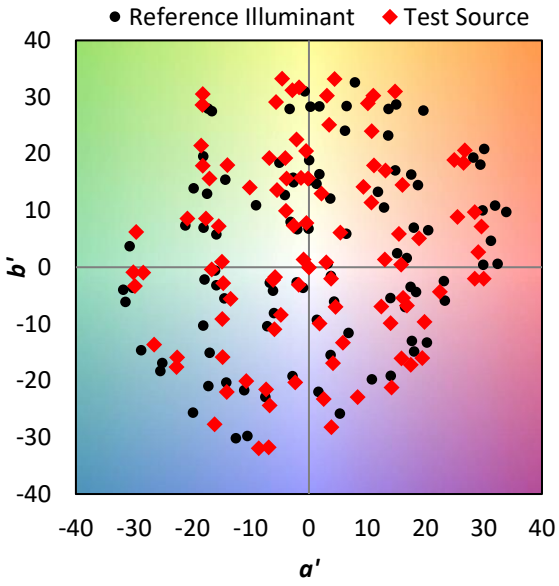
Summary

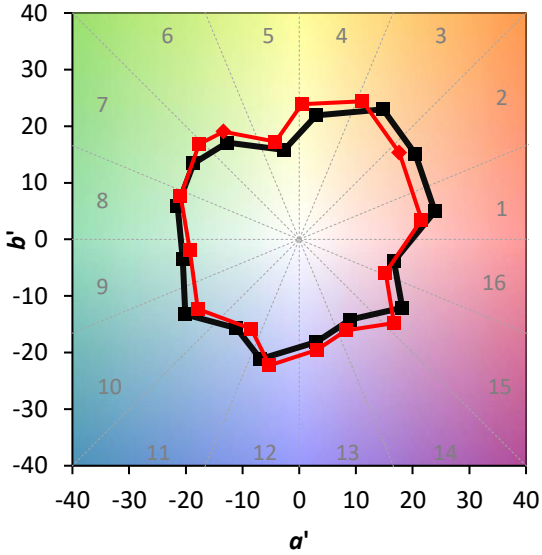
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

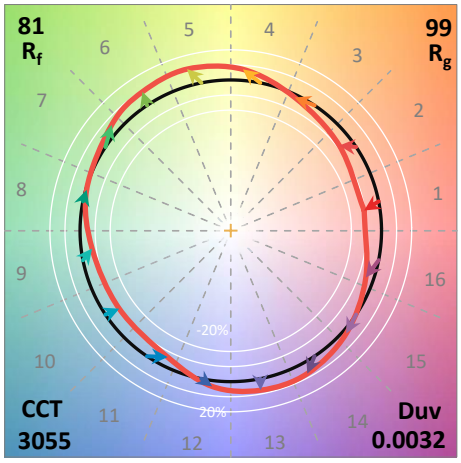
Spectral Power Distribution Comparison

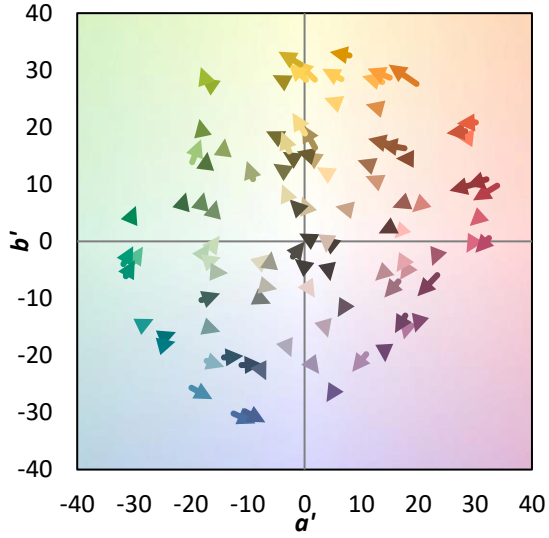


Color Vector Graphics







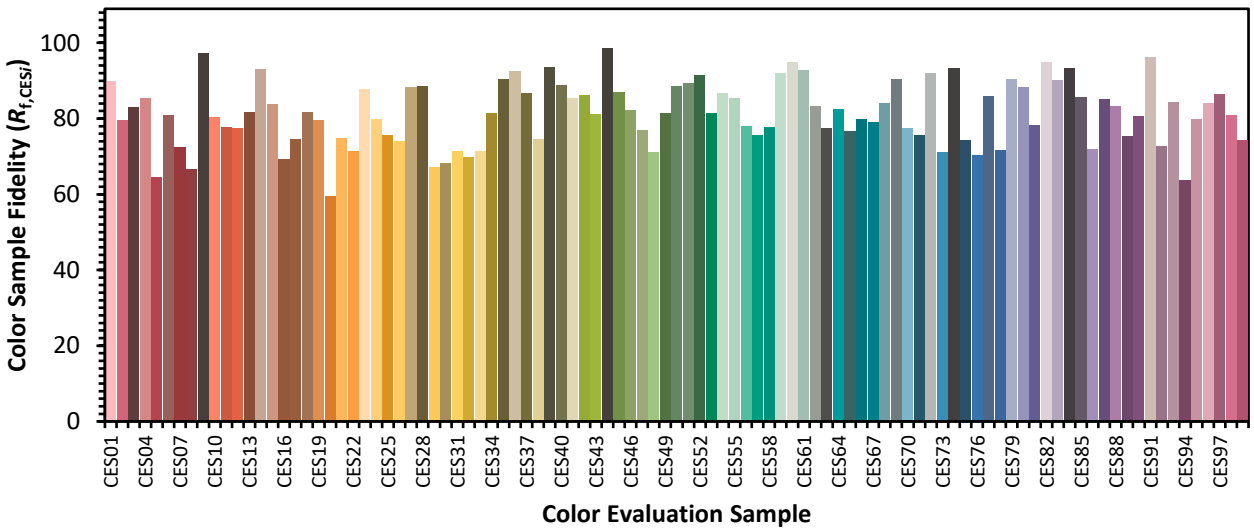


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

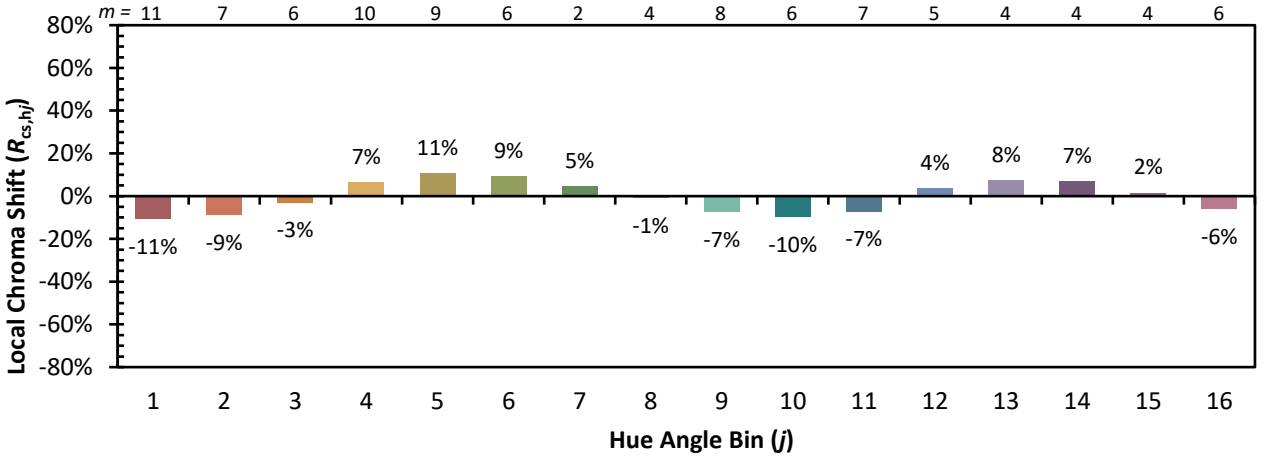
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
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 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	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	

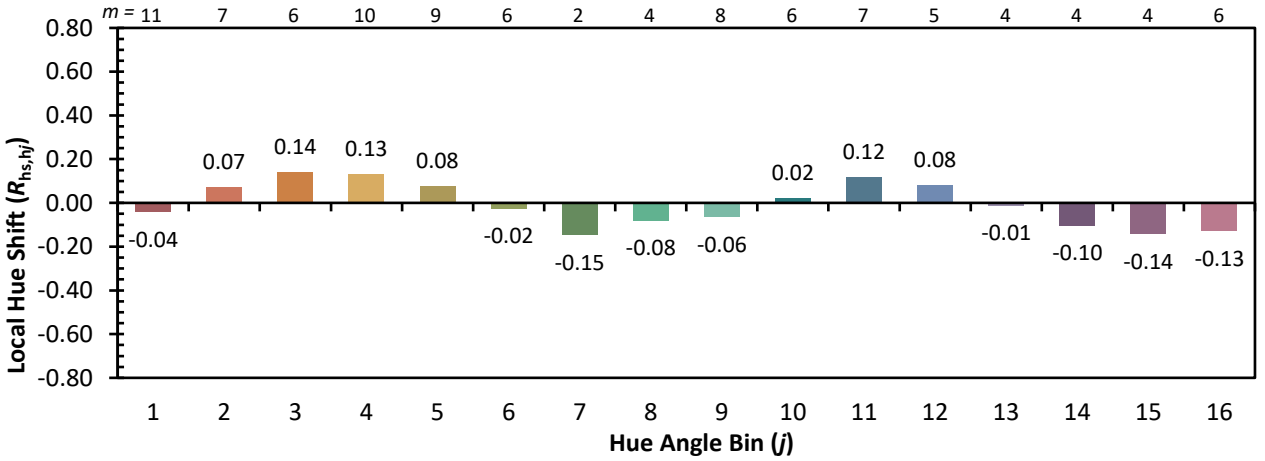


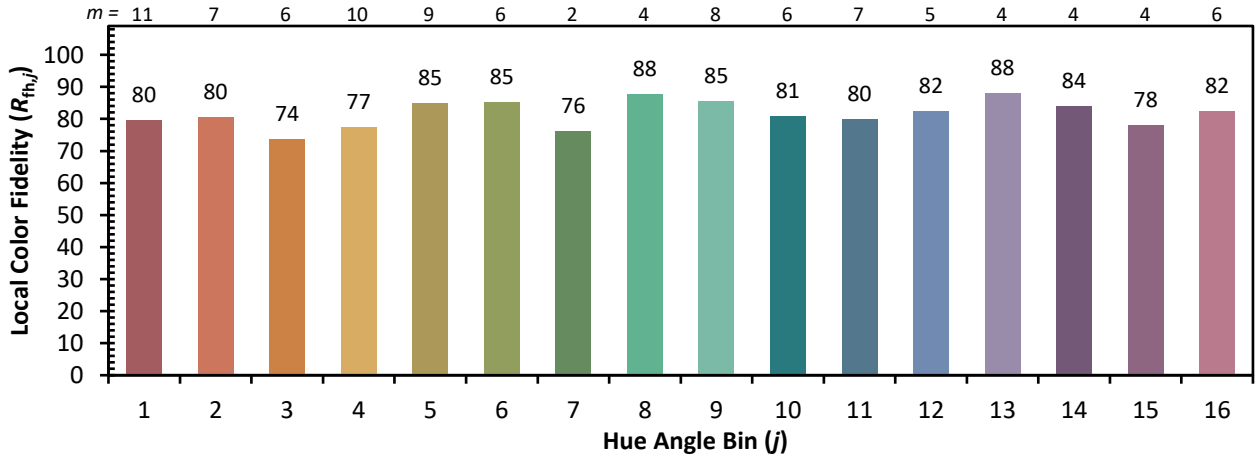
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Color Rendition by Hue-Angle Bin



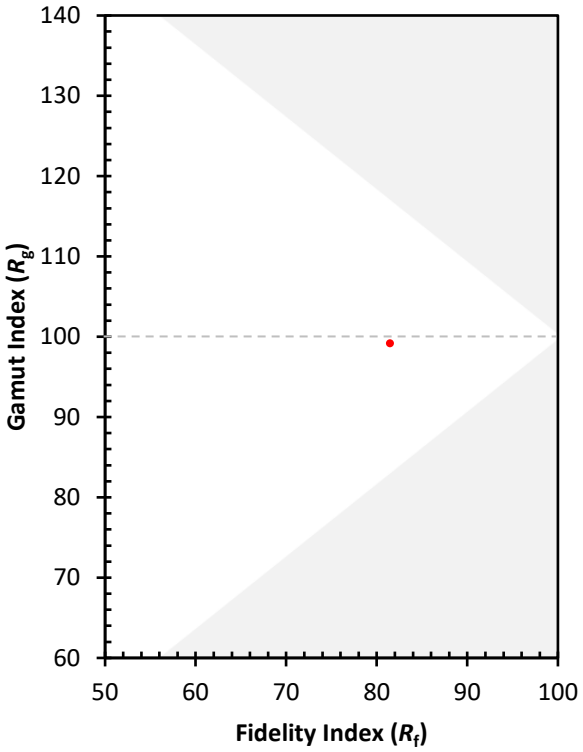


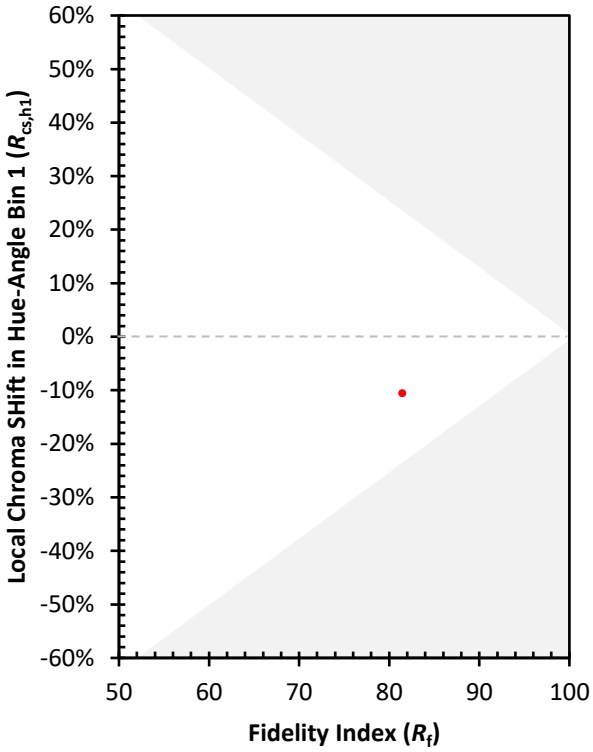


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Measure Comparisons





(END OF REPORT)