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: P1365320

Luminaire Tested: **GSS-SB1B-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365320
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3600.4 lumens
Efficiency:	N/A
Efficacy:	90.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

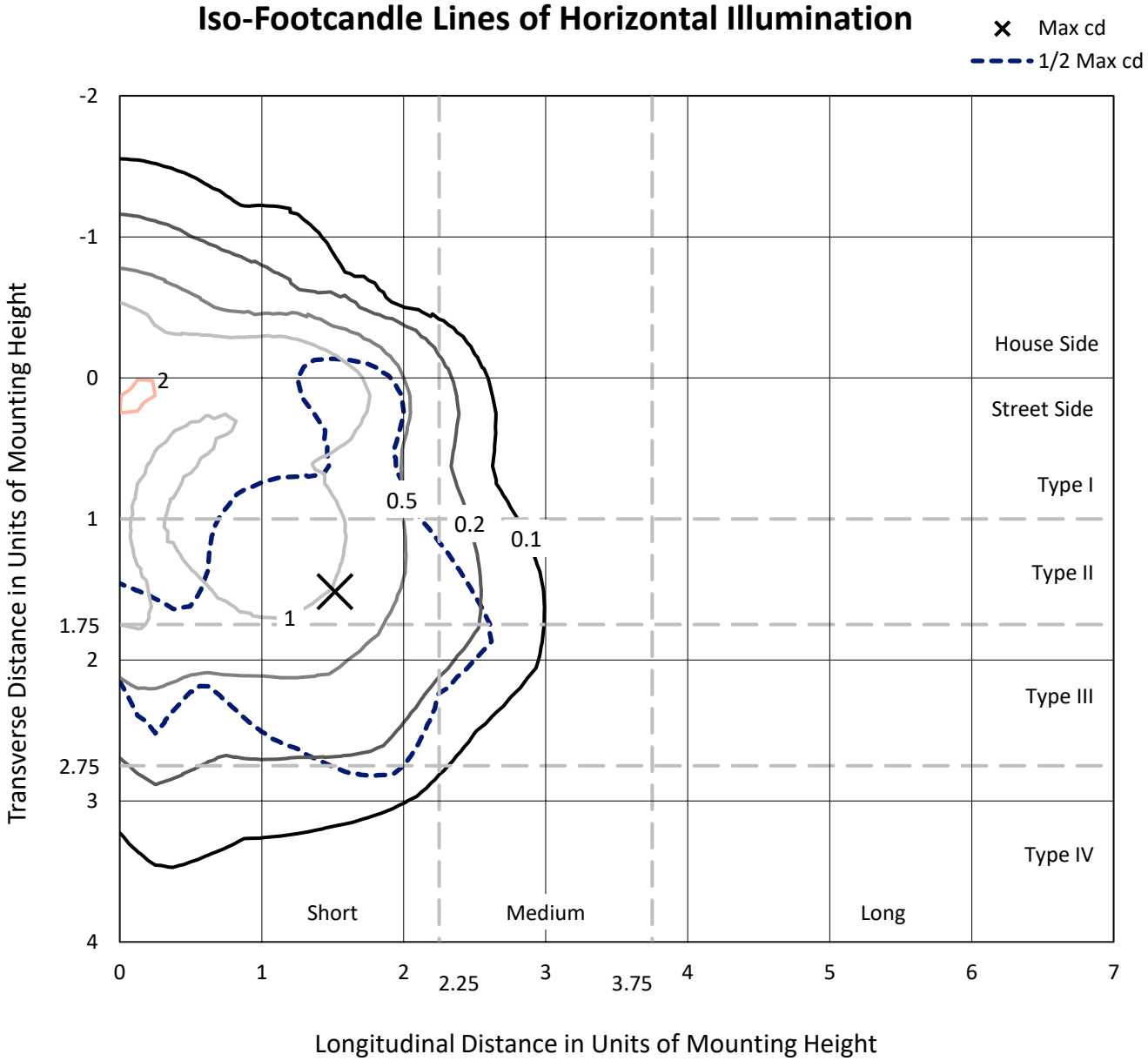
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



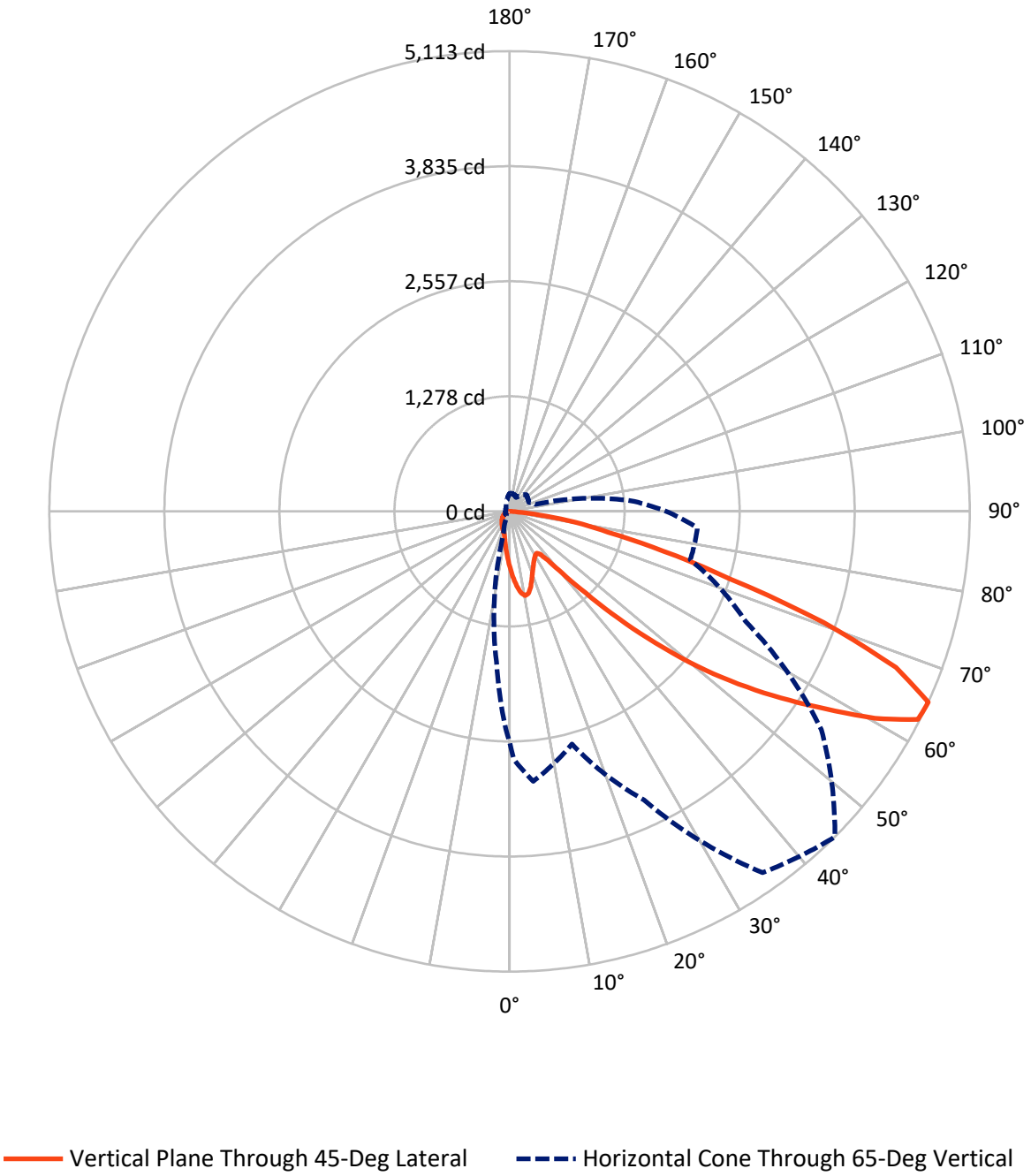
Based on 20 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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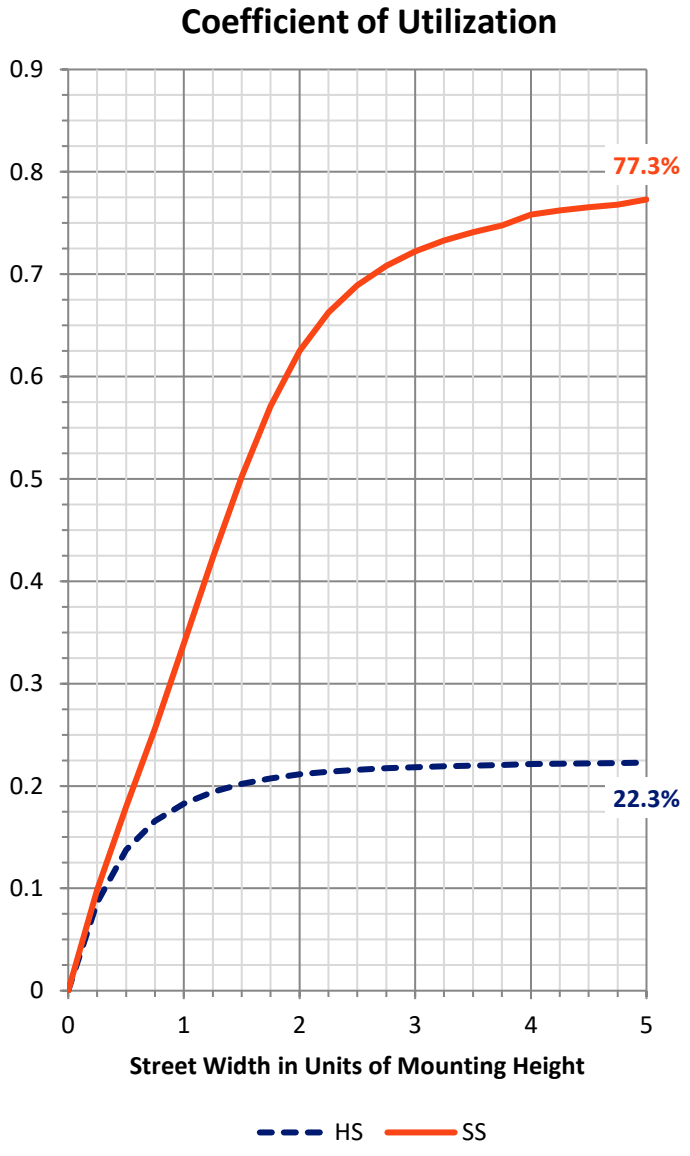
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.9	0.0	809.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	2790.5	0.0	2790.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	3600.4	0.0	3600.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.7
10°-20°	165.3	4.6
20°-30°	236.8	6.6
30°-40°	297.0	8.3
40°-50°	488.0	13.6
50°-60°	881.0	24.5
60°-70°	978.1	27.2
70°-80°	442.1	12.3
80°-90°	52.3	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°	3600.4	100.0
0°-180°	3600.4	100.0



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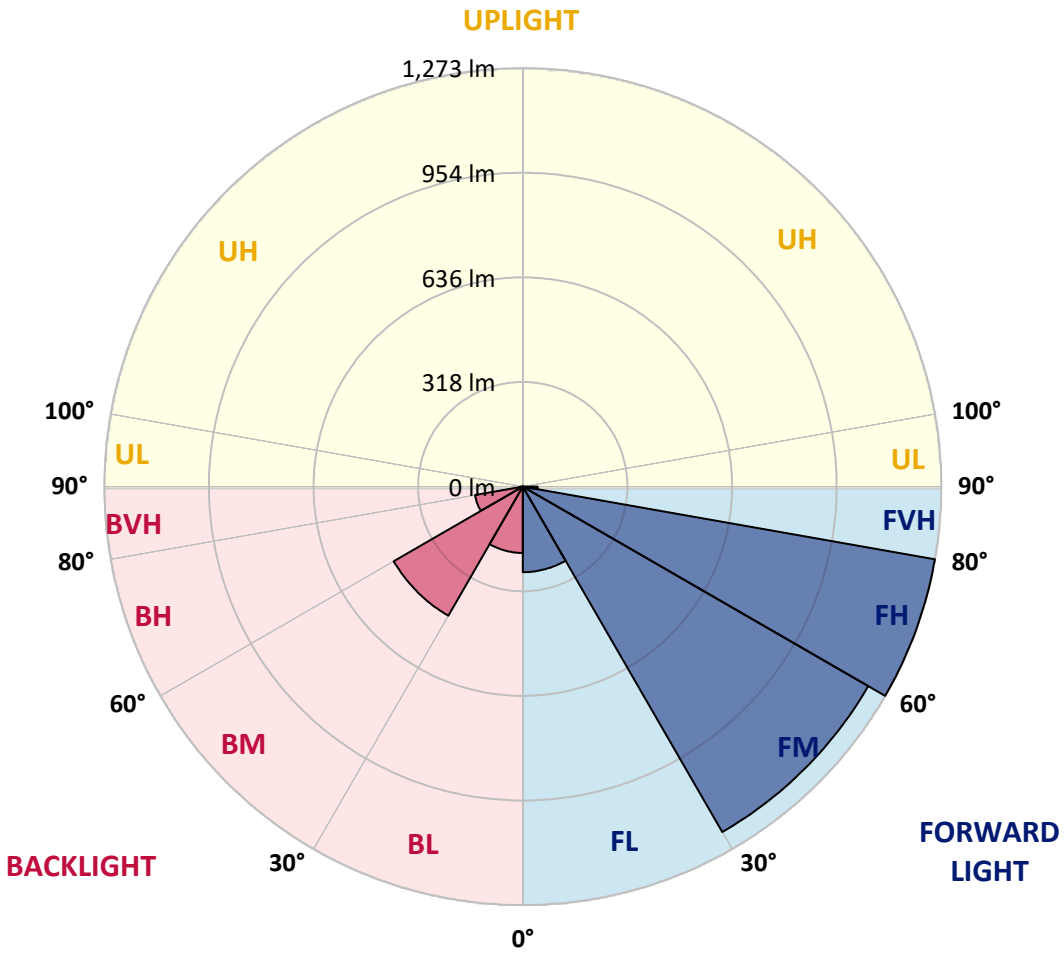
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	260.1	7.2			
FM	(30°-60°)	1212.8	33.7			
FH	(60°-80°)	1272.6	35.3			G1/1800
FVH	(80°-90°)	44.9	1.2			G1/100
BL	(0°-30°)	201.8	5.6	B1/500		
BM	(30°-60°)	453.2	12.6	B1/1000		
BH	(60°-80°)	147.5	4.1	B1/500		G1/500
BVH	(80°-90°)	7.4	0.2			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	622.0	622.0	622.0	622.0	622.0	622.0	*622.0*	622.0	622.0	622.0	622.0
2.5°	685.0	693.8	692.7	704.9	715.9	723.7	*730.3*	728.1	722.6	711.5	703.8
5°	756.8	763.4	774.5	797.7	815.4	830.8	*828.6*	830.8	814.3	797.7	777.8
7.5°	818.7	826.4	841.9	875.0	897.1	915.9	*913.7*	907.1	888.3	860.7	830.8
10°	857.3	862.9	879.4	917.0	942.4	957.9	*952.4*	941.3	917.0	889.4	854.0
12.5°	873.9	880.5	894.9	924.7	941.3	938.0	*935.8*	933.6	921.4	900.4	868.4
15°	876.1	880.5	891.6	904.9	898.2	879.4	*875.0*	891.6	907.1	902.6	876.1
17.5°	876.1	882.8	885.0	871.7	837.5	803.2	*798.8*	826.4	869.5	903.7	888.3
20°	879.4	882.8	878.3	835.2	771.2	733.6	*725.9*	760.1	824.2	891.6	900.4
22.5°	883.9	887.2	868.4	792.2	717.0	677.3	*672.8*	698.2	773.4	873.9	913.7
25°	892.7	890.5	861.8	754.6	669.5	632.0	*625.3*	658.5	731.4	856.2	935.8
27.5°	903.7	893.8	852.9	723.7	635.3	595.5	*591.1*	623.1	696.0	834.1	954.6
30°	918.1	908.2	851.8	699.4	609.9	570.1	*564.6*	599.9	671.7	818.7	981.1
32.5°	938.0	923.6	852.9	680.6	595.5	557.9	*554.6*	592.2	661.8	809.8	1008.7
35°	964.5	943.5	857.3	673.9	599.9	574.5	*582.2*	611.0	671.7	816.5	1054.0
37.5°	997.7	977.8	879.4	688.3	648.5	666.2	*686.1*	697.1	719.2	847.4	1126.9
40°	1052.9	1025.3	912.6	734.7	778.9	861.8	*900.4*	896.0	845.2	918.1	1229.7
42.5°	1130.2	1104.8	980.0	852.9	996.6	1172.2	*1237.4*	1199.8	1046.3	1030.8	1398.7
45°	1248.5	1206.5	1070.6	1028.6	1259.5	1547.9	*1694.8*	1565.5	1301.5	1208.7	1639.6
47.5°	1399.8	1357.8	1212.0	1204.3	1553.4	2011.9	*2186.4*	1932.3	1554.5	1441.8	1927.9
50°	1642.9	1596.5	1419.7	1383.2	1878.2	2474.8	*2707.9*	2298.0	1811.9	1689.3	2283.7
52.5°	1976.5	1945.6	1748.9	1567.7	2168.8	2985.2	*3186.3*	2680.3	2010.8	1972.1	2671.5
55°	2441.7	2411.8	2177.6	1773.2	2443.9	3496.8	*3659.2*	3028.3	2184.2	2303.6	3076.9
57.5°	2968.7	3018.4	2764.3	2047.2	2733.3	3908.9	*4135.4*	3344.3	2418.5	2746.6	3527.7
60°	3312.3	3469.1	3437.1	2525.6	3183.0	4421.5	*4667.9*	3767.5	2761.0	3072.5	3517.8
62.5°	3014.0	3170.8	3416.1	3080.3	3616.1	4885.5	*5093.2*	4212.7	3101.2	2812.9	2954.3
65°	*2557.7*	*2753.2*	*3011.8*	*2675.9*	*3539.9*	*4899.9*	*5113.1*	*4229.3*	*2893.5*	*2079.3*	*2094.7*
67.5°	2204.1	2377.6	2695.8	2277.0	3137.7	4462.4	*4630.3*	3773.0	2391.9	1378.8	1366.7
70°	1839.5	1998.6	2400.8	2027.4	2748.8	3845.9	*3701.2*	3172.0	2021.8	915.9	759.0
72.5°	1567.7	1714.7	2133.4	1821.9	2180.9	3116.7	*2551.0*	2631.7	1645.1	582.2	517.1
75°	1297.1	1431.9	1814.1	1649.5	1804.2	1944.5	*1763.3*	1869.4	1355.6	493.9	398.8
77.5°	910.4	994.3	1272.8	1312.5	1404.2	1151.2	*1118.1*	1309.2	964.5	245.3	167.9
80°	448.6	500.5	664.0	781.1	664.0	653.0	*744.7*	871.7	500.5	150.3	92.8
82.5°	201.1	238.6	306.0	472.9	239.7	260.7	*329.2*	464.0	227.6	89.5	39.8
85°	32.0	35.4	59.7	79.5	65.2	100.5	*96.1*	90.6	48.6	24.3	11.0
87.5°	1.1	1.1	1.1	2.2	3.3	4.4	*5.5*	5.5	5.5	5.5	5.5
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°	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0
2.5°	701.6	698.2	681.7	665.1	650.7	636.4	622.0	602.1	586.7	573.4	567.9
5°	767.9	750.2	724.8	697.1	672.8	645.2	618.7	588.9	564.6	539.2	525.9
7.5°	813.2	795.5	753.5	711.5	681.7	651.8	624.2	591.1	559.0	522.6	502.7
10°	834.1	814.3	769.0	720.3	683.9	654.1	628.6	601.0	569.0	523.7	497.2
12.5°	848.5	824.2	772.3	722.6	686.1	655.2	630.9	611.0	592.2	548.0	517.1
15°	857.3	835.2	781.1	723.7	682.8	646.3	623.1	616.5	619.8	598.8	561.3
17.5°	870.6	849.6	792.2	730.3	677.3	627.5	602.1	616.5	646.3	653.0	623.1
20°	888.3	866.2	806.5	735.8	660.7	592.2	567.9	604.3	654.1	688.3	671.7
22.5°	908.2	890.5	823.1	741.3	636.4	545.8	534.7	578.9	632.0	676.2	677.3
25°	932.5	915.9	846.3	746.9	603.2	506.0	508.2	545.8	587.8	633.1	640.8
27.5°	965.6	950.1	875.0	753.5	569.0	474.0	485.0	512.6	541.4	569.0	580.0
30°	1002.1	989.9	909.3	766.7	536.9	455.2	461.8	480.6	503.8	520.4	525.9
32.5°	1051.8	1031.9	941.3	765.6	512.6	446.3	439.7	445.2	464.0	480.6	481.7
35°	1113.7	1098.2	974.5	745.8	490.5	441.9	418.7	415.4	426.5	443.0	441.9
37.5°	1204.3	1191.0	1028.6	714.8	462.9	430.9	396.6	385.6	393.3	404.4	407.7
40°	1340.2	1305.9	1090.5	680.6	435.3	411.0	370.1	354.6	360.2	372.3	374.5
42.5°	1524.7	1459.5	1173.3	634.2	408.8	381.2	343.6	327.0	330.3	341.4	343.6
45°	1761.1	1662.8	1287.1	585.6	387.8	350.2	316.0	298.3	301.6	313.8	319.3
47.5°	2037.3	1902.5	1406.4	533.6	375.6	325.9	288.4	275.1	282.8	295.0	297.2
50°	2363.2	2227.3	1482.7	491.6	367.9	307.1	262.9	257.4	267.4	277.3	279.5
52.5°	2719.0	2525.6	1434.1	457.4	361.3	300.5	245.3	247.5	255.2	265.2	268.5
55°	3064.8	2635.0	1272.8	413.2	353.5	304.9	232.0	237.5	247.5	255.2	257.4
57.5°	3290.2	2543.3	1025.3	366.8	344.7	308.2	225.4	229.8	240.9	249.7	250.8
60°	3093.5	2342.2	767.9	327.0	325.9	302.7	223.2	216.5	232.0	239.7	240.9
62.5°	2534.5	1915.8	490.5	289.5	290.6	290.6	222.1	194.4	214.3	221.0	219.9
65°	*1741.2*	*1354.5*	*303.8*	*236.4*	*247.5*	*264.1*	*215.4*	*171.2*	*194.4*	*201.1*	*198.9*
67.5°	1144.6	860.7	187.8	182.3	203.3	228.7	202.2	153.6	174.6	179.0	172.4
70°	620.9	405.5	123.7	119.3	159.1	180.1	171.2	138.1	155.8	160.2	153.6
72.5°	409.9	233.1	87.3	87.3	124.8	126.0	140.3	123.7	138.1	142.5	135.9
75°	308.2	150.3	60.8	67.4	79.5	98.3	100.5	103.9	117.1	122.6	116.0
77.5°	141.4	55.2	36.5	49.7	55.2	75.1	64.1	77.3	87.3	89.5	84.0
80°	81.8	30.9	24.3	32.0	35.4	61.9	37.6	46.4	61.9	65.2	58.6
82.5°	34.2	15.5	16.6	19.9	21.0	34.2	26.5	29.8	40.9	39.8	35.4
85°	9.9	9.9	11.0	12.2	12.2	19.9	18.8	17.7	18.8	18.8	15.5
87.5°	6.6	6.6	6.6	7.7	7.7	8.8	9.9	11.0	11.0	11.0	9.9
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°	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0
2.5°	560.1	550.2	535.8	533.6	525.9	520.4	525.9	531.4	541.4	542.5	546.9
5°	513.7	490.5	472.9	453.0	443.0	441.9	439.7	446.3	460.7	469.6	476.2
7.5°	482.8	440.8	409.9	382.3	372.3	364.6	371.2	370.1	388.9	396.6	403.3
10°	466.2	407.7	361.3	327.0	313.8	306.0	304.9	307.1	318.2	325.9	333.7
12.5°	477.3	394.4	325.9	286.1	271.8	262.9	255.2	255.2	257.4	267.4	270.7
15°	513.7	402.2	309.4	266.3	247.5	233.1	223.2	215.4	216.5	217.7	221.0
17.5°	566.8	422.0	303.8	254.1	234.2	216.5	206.6	197.8	195.6	195.6	194.4
20°	617.6	437.5	299.4	244.2	218.8	203.3	194.4	186.7	183.4	183.4	183.4
22.5°	638.6	450.8	293.9	232.0	203.3	188.9	181.2	175.7	174.6	174.6	173.5
25°	622.0	446.3	287.3	219.9	188.9	177.9	171.2	165.7	164.6	165.7	164.6
27.5°	570.1	430.9	278.4	209.9	177.9	167.9	162.4	156.9	155.8	156.9	156.9
30°	514.8	404.4	264.1	202.2	169.0	158.0	152.5	146.9	146.9	148.0	149.2
32.5°	470.7	377.9	247.5	192.2	159.1	149.2	143.6	138.1	138.1	140.3	140.3
35°	433.1	356.9	230.9	182.3	150.3	139.2	134.8	130.4	129.3	131.5	132.6
37.5°	403.3	338.1	213.2	172.4	141.4	131.5	127.1	121.5	120.4	122.6	124.8
40°	372.3	317.1	197.8	160.2	132.6	122.6	118.2	111.6	111.6	113.8	116.0
42.5°	342.5	298.3	187.8	149.2	123.7	112.7	108.3	102.7	102.7	105.0	107.2
45°	318.2	280.6	182.3	138.1	113.8	103.9	98.3	93.9	95.0	97.2	99.4
47.5°	295.0	261.8	183.4	132.6	107.2	93.9	88.4	85.1	87.3	90.6	92.8
50°	277.3	248.6	184.5	123.7	98.3	86.2	80.7	78.4	81.8	85.1	87.3
52.5°	266.3	235.3	177.9	112.7	91.7	78.4	75.1	75.1	78.4	80.7	82.9
55°	255.2	213.2	163.5	100.5	85.1	72.9	70.7	70.7	74.0	76.2	77.3
57.5°	246.4	190.0	146.9	90.6	77.3	67.4	67.4	67.4	68.5	69.6	71.8
60°	229.8	165.7	126.0	82.9	69.6	63.0	61.9	61.9	60.8	61.9	65.2
62.5°	201.1	139.2	107.2	74.0	63.0	57.5	56.3	53.0	49.7	50.8	53.0
65°	*170.1*	*110.5*	*89.5*	*64.1*	*54.1*	*50.8*	*49.7*	*44.2*	*39.8*	*40.9*	*44.2*
67.5°	135.9	82.9	75.1	55.2	46.4	43.1	43.1	39.8	36.5	36.5	38.7
70°	106.1	69.6	56.3	44.2	36.5	36.5	38.7	35.4	30.9	30.9	34.2
72.5°	86.2	56.3	45.3	34.2	28.7	30.9	32.0	28.7	25.4	25.4	27.6
75°	67.4	44.2	35.4	25.4	22.1	23.2	25.4	23.2	19.9	21.0	22.1
77.5°	46.4	29.8	23.2	18.8	16.6	17.7	17.7	16.6	15.5	15.5	16.6
80°	30.9	19.9	15.5	13.3	12.2	12.2	11.0	11.0	12.2	12.2	13.3
82.5°	22.1	14.4	12.2	9.9	7.7	7.7	8.8	8.8	9.9	9.9	11.0
85°	13.3	9.9	8.8	6.6	5.5	6.6	6.6	7.7	8.8	8.8	9.9
87.5°	9.9	7.7	6.6	5.5	4.4	4.4	5.5	5.5	6.6	7.7	7.7
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: P1365320
CATALOG NUMBER: GSS-SB1B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0	622.0
2.5°	557.9	571.2	590.0	606.5	626.4	646.3	665.1	682.8	683.9	685.0
5°	497.2	523.7	554.6	592.2	632.0	670.6	711.5	744.7	752.4	756.8
7.5°	429.8	468.4	516.0	569.0	628.6	688.3	745.8	795.5	814.3	818.7
10°	359.1	406.6	464.0	532.5	613.2	692.7	770.1	830.8	852.9	857.3
12.5°	296.1	334.8	401.1	483.9	581.1	686.1	778.9	846.3	868.4	873.9
15°	242.0	278.4	340.3	427.6	536.9	662.9	772.3	849.6	871.7	876.1
17.5°	200.0	223.2	279.5	374.5	497.2	633.1	763.4	851.8	872.8	876.1
20°	183.4	187.8	217.7	310.5	455.2	611.0	757.9	855.1	876.1	879.4
22.5°	175.7	175.7	182.3	236.4	396.6	587.8	755.7	865.1	880.5	883.9
25°	167.9	167.9	170.1	185.6	327.0	559.0	760.1	882.8	892.7	892.7
27.5°	160.2	160.2	162.4	165.7	243.1	511.5	761.2	902.6	907.1	903.7
30°	152.5	154.7	154.7	156.9	179.0	451.9	754.6	924.7	924.7	918.1
32.5°	144.7	145.8	148.0	149.2	155.8	374.5	743.5	952.4	946.8	938.0
35°	138.1	139.2	139.2	141.4	148.0	299.4	731.4	989.9	974.5	964.5
37.5°	129.3	130.4	131.5	133.7	140.3	237.5	713.7	1022.0	1010.9	997.7
40°	121.5	122.6	123.7	126.0	132.6	204.4	691.6	1070.6	1068.4	1052.9
42.5°	112.7	114.9	116.0	117.1	126.0	186.7	676.2	1149.0	1149.0	1130.2
45°	105.0	107.2	107.2	109.4	121.5	171.2	710.4	1257.3	1266.1	1248.5
47.5°	98.3	99.4	99.4	100.5	114.9	158.0	802.1	1423.0	1412.0	1399.8
50°	91.7	93.9	91.7	92.8	109.4	165.7	953.5	1635.1	1663.9	1642.9
52.5°	87.3	88.4	84.0	84.0	101.6	175.7	1077.2	1905.8	2001.9	1976.5
55°	81.8	82.9	77.3	77.3	89.5	152.5	1084.9	2214.1	2425.1	2441.7
57.5°	76.2	76.2	71.8	70.7	77.3	123.7	962.3	2452.7	2931.1	2968.7
60°	69.6	68.5	66.3	64.1	70.7	113.8	733.6	2420.7	3181.9	3312.3
62.5°	59.7	61.9	60.8	56.3	64.1	106.1	478.4	2094.7	2899.1	3014.0
65°	*49.7*	*53.0*	*53.0*	*49.7*	*70.7*	*92.8*	*251.9*	*1677.1*	*2419.6*	*2557.7*
67.5°	44.2	46.4	45.3	43.1	63.0	58.6	121.5	1286.0	2071.5	2204.1
70°	38.7	40.9	37.6	35.4	50.8	42.0	71.8	860.7	1710.3	1839.5
72.5°	32.0	34.2	30.9	27.6	37.6	32.0	47.5	560.1	1424.1	1567.7
75°	26.5	27.6	25.4	22.1	27.6	25.4	33.1	365.7	1191.0	1297.1
77.5°	18.8	21.0	19.9	16.6	19.9	17.7	23.2	208.8	830.8	910.4
80°	14.4	14.4	14.4	13.3	12.2	12.2	15.5	93.9	403.3	448.6
82.5°	12.2	12.2	11.0	9.9	8.8	7.7	8.8	27.6	190.0	201.1
85°	11.0	8.8	7.7	6.6	5.5	3.3	3.3	7.7	38.7	32.0
87.5°	6.6	5.5	4.4	2.2	1.1	1.1	0.0	1.1	1.1	1.1
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

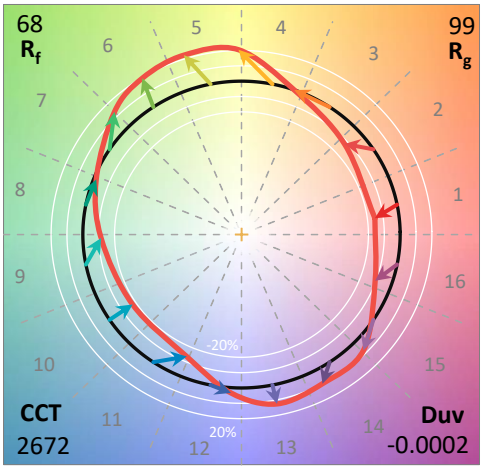
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

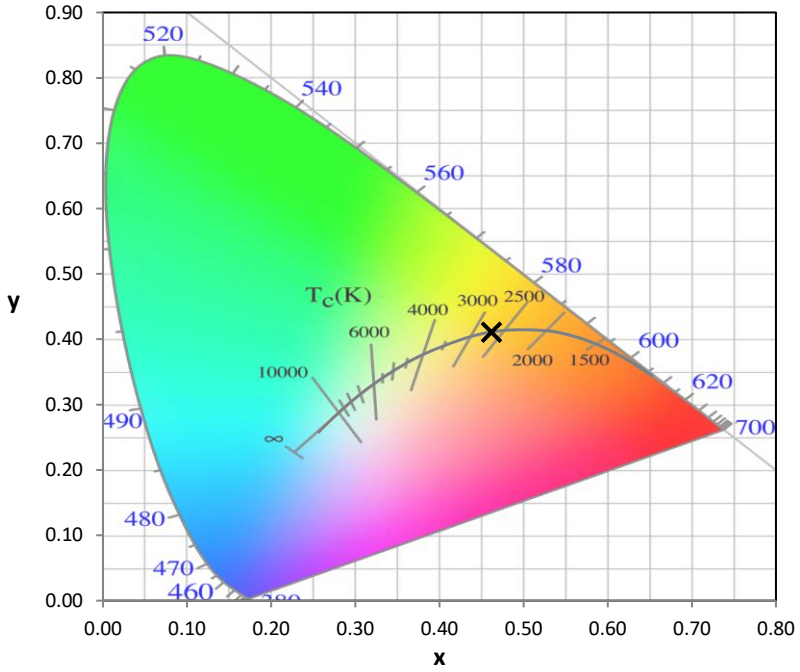
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

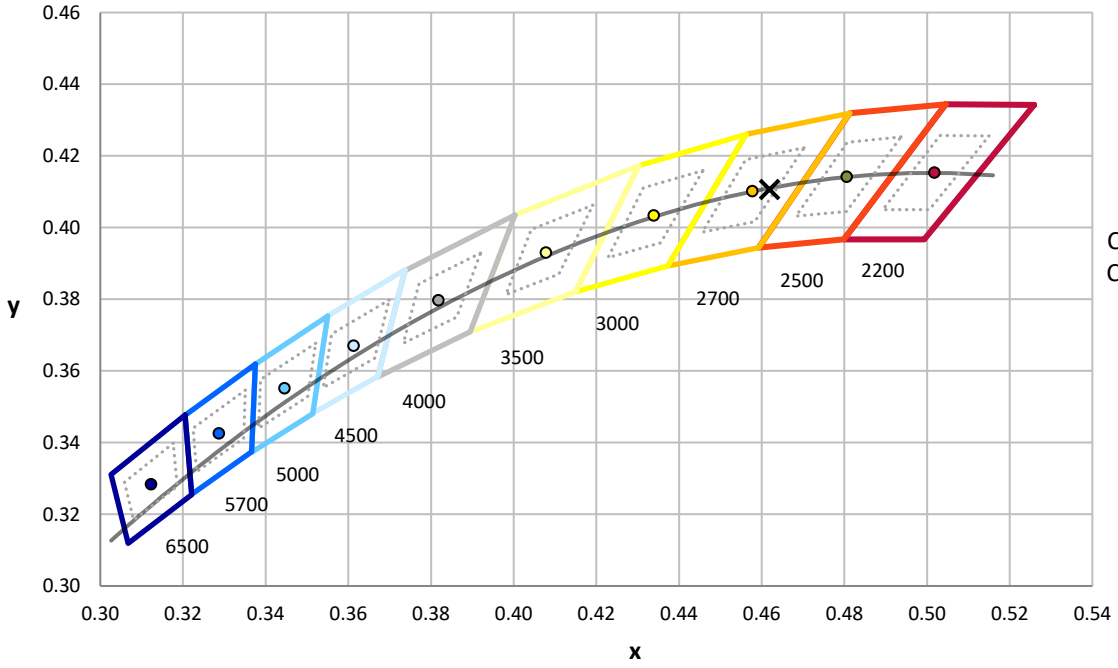
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

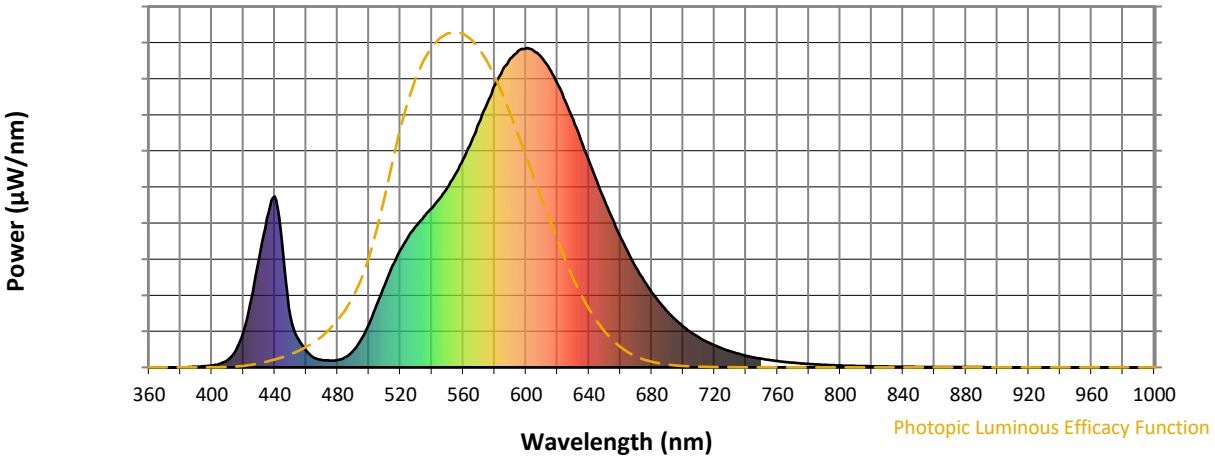


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

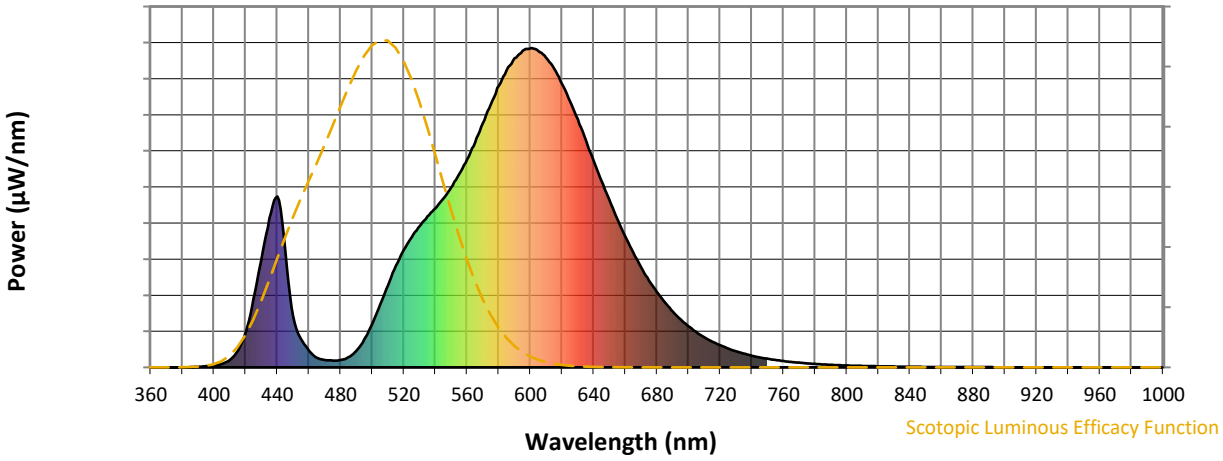


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

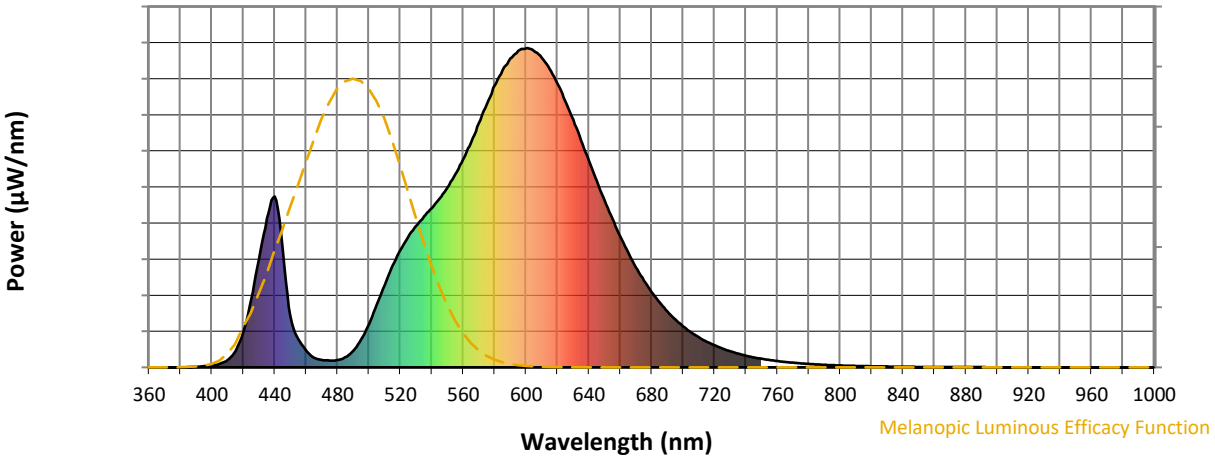


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

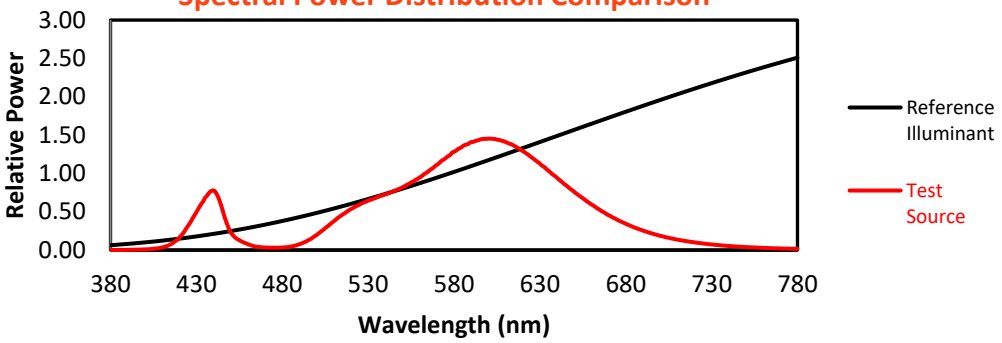
REPORT NUMBER: SP1-2407-184-3

TM-30-18

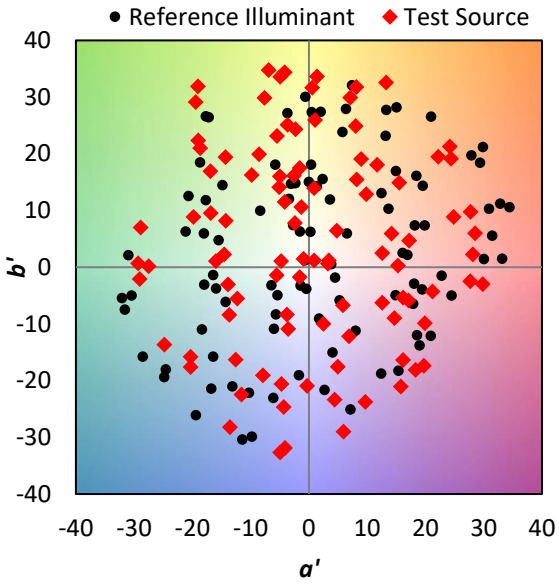
Summary

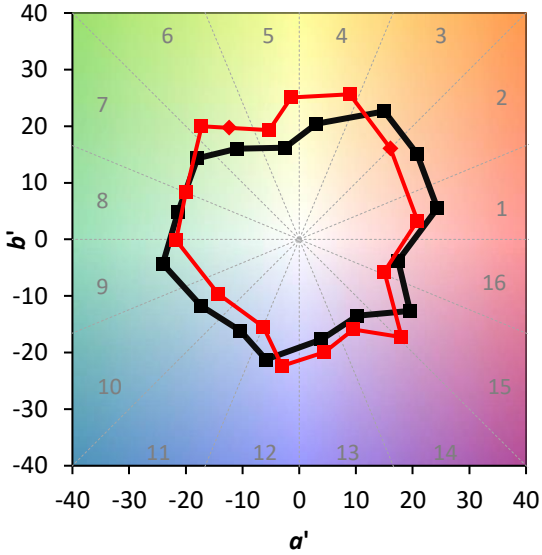
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

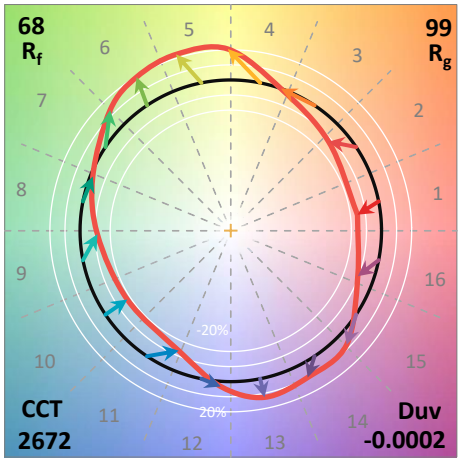
Spectral Power Distribution Comparison

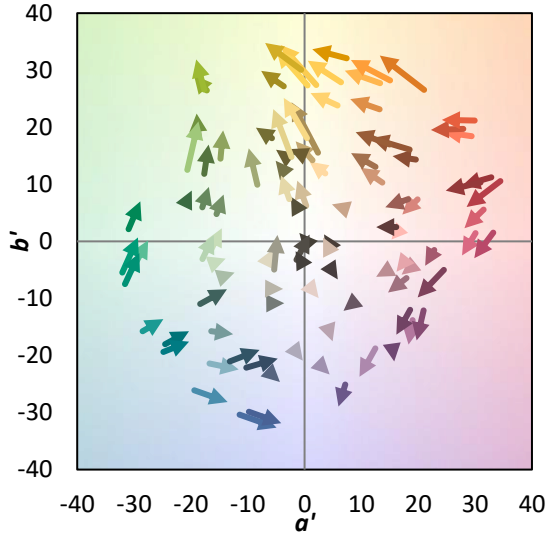


Color Vector Graphics







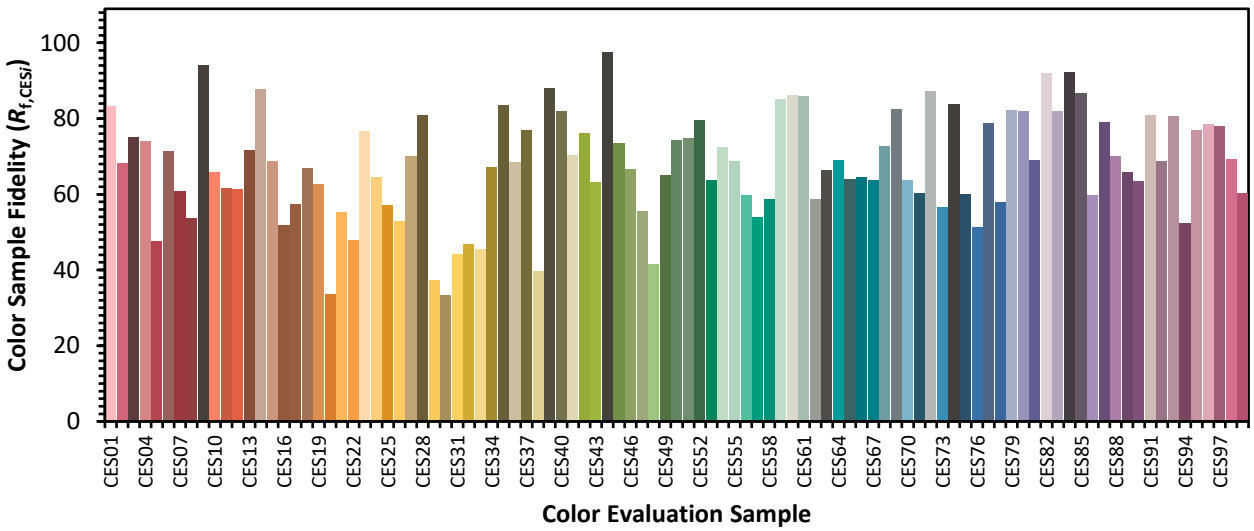


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

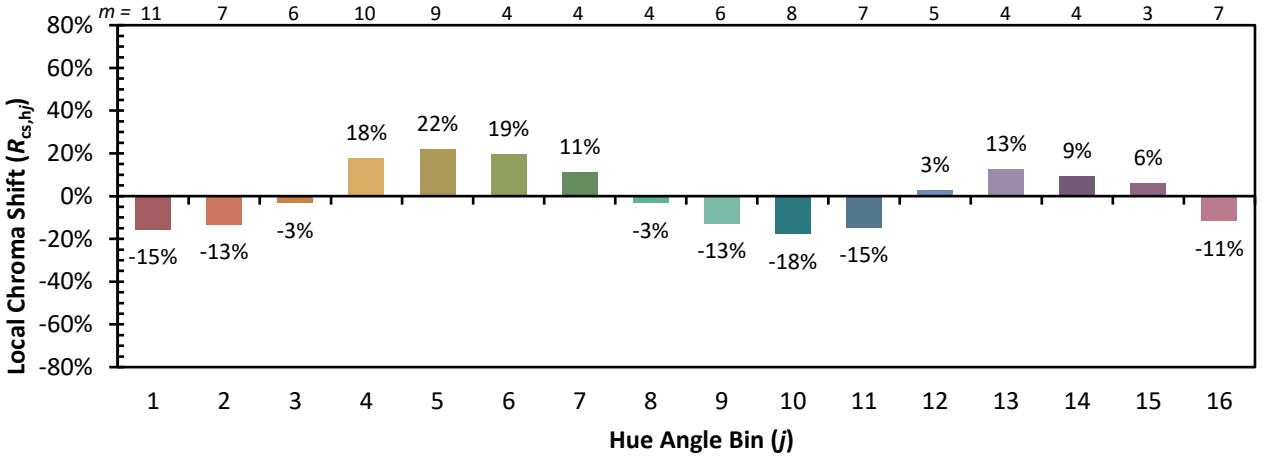
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

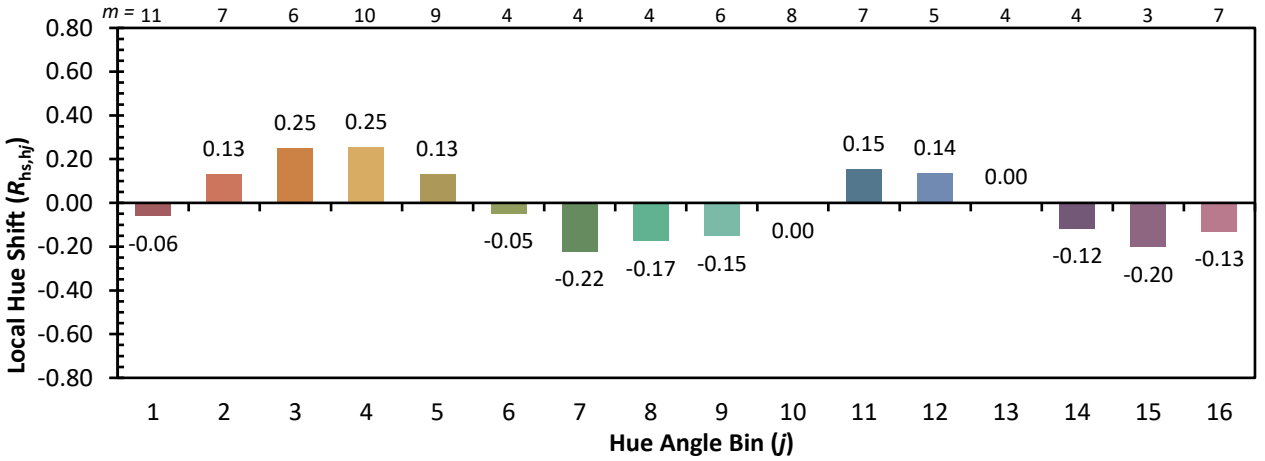


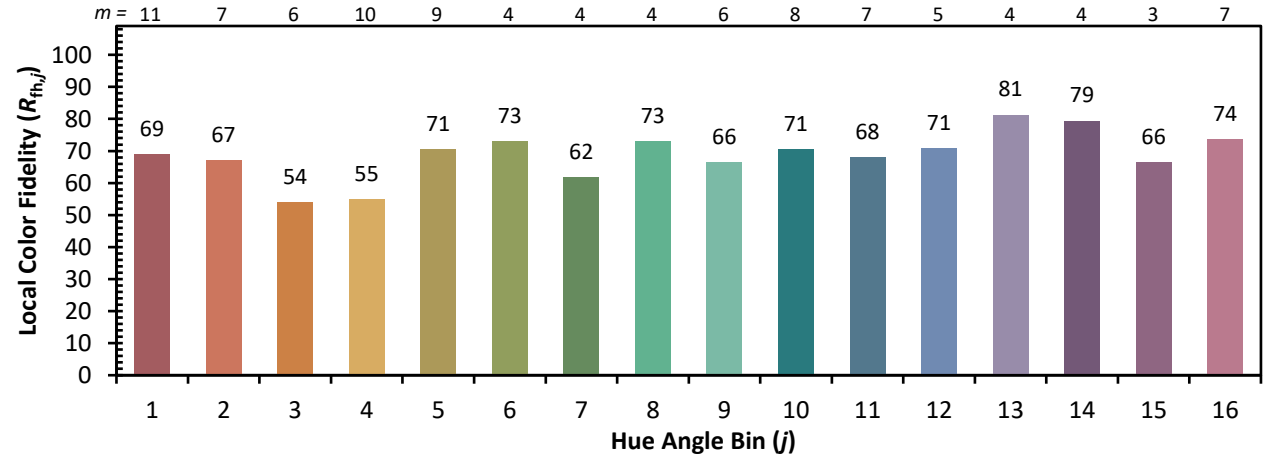
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



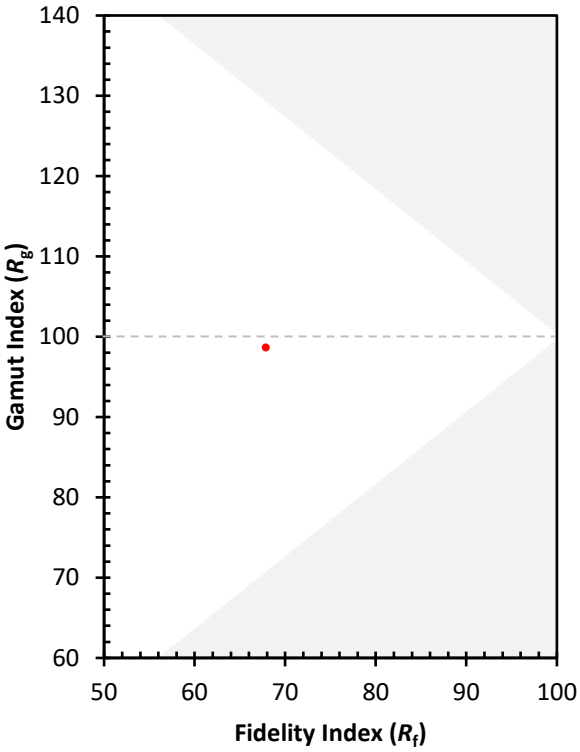


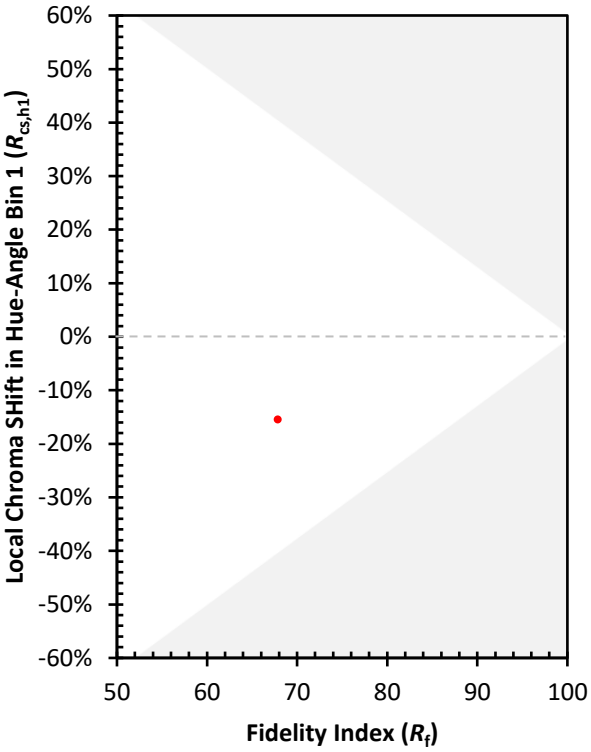


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)