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: P1501493

Luminaire Tested: GSS-SB1A-827-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501493
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3529.9 lumens
Efficiency:	N/A
Efficacy:	113.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

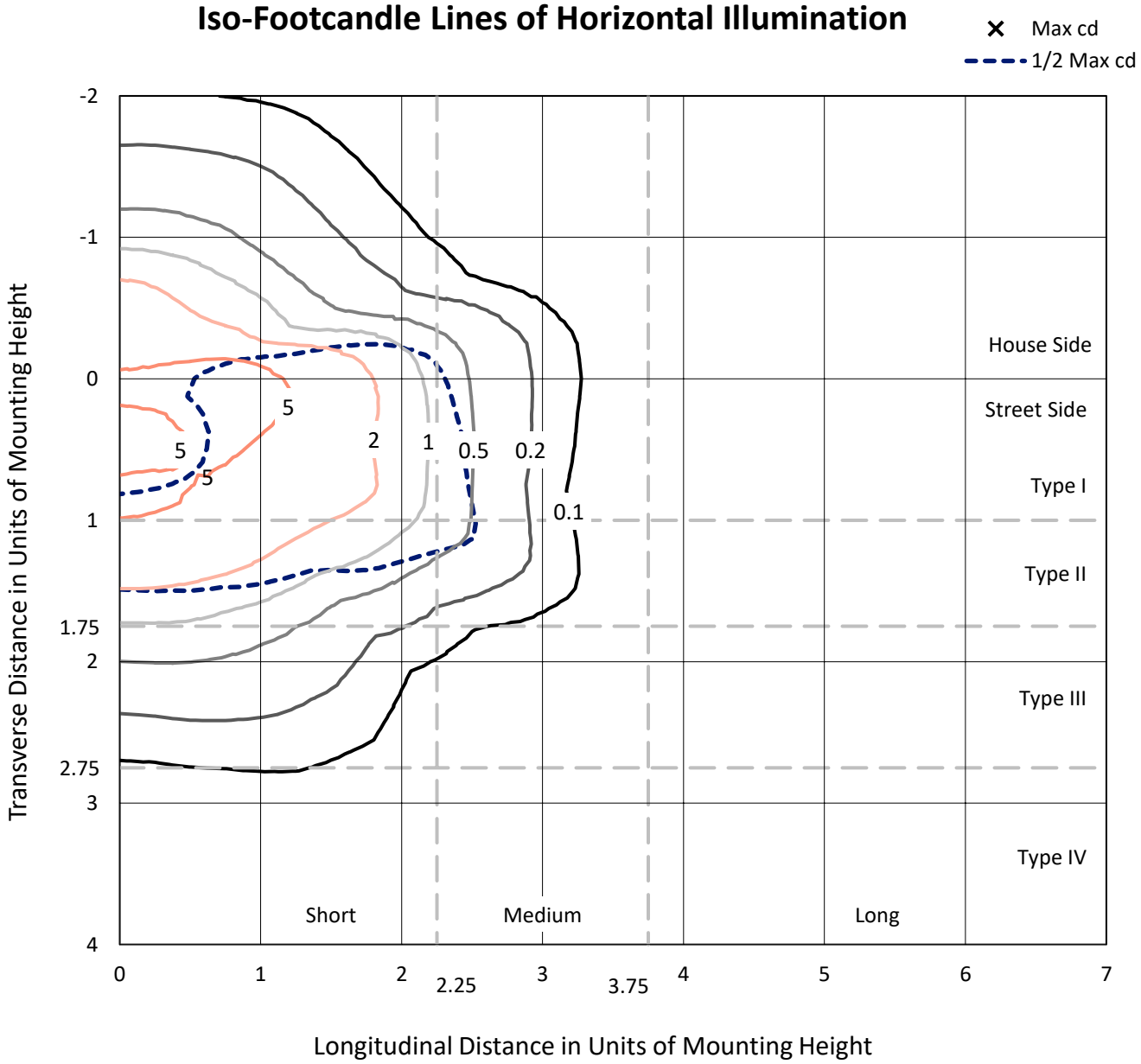
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



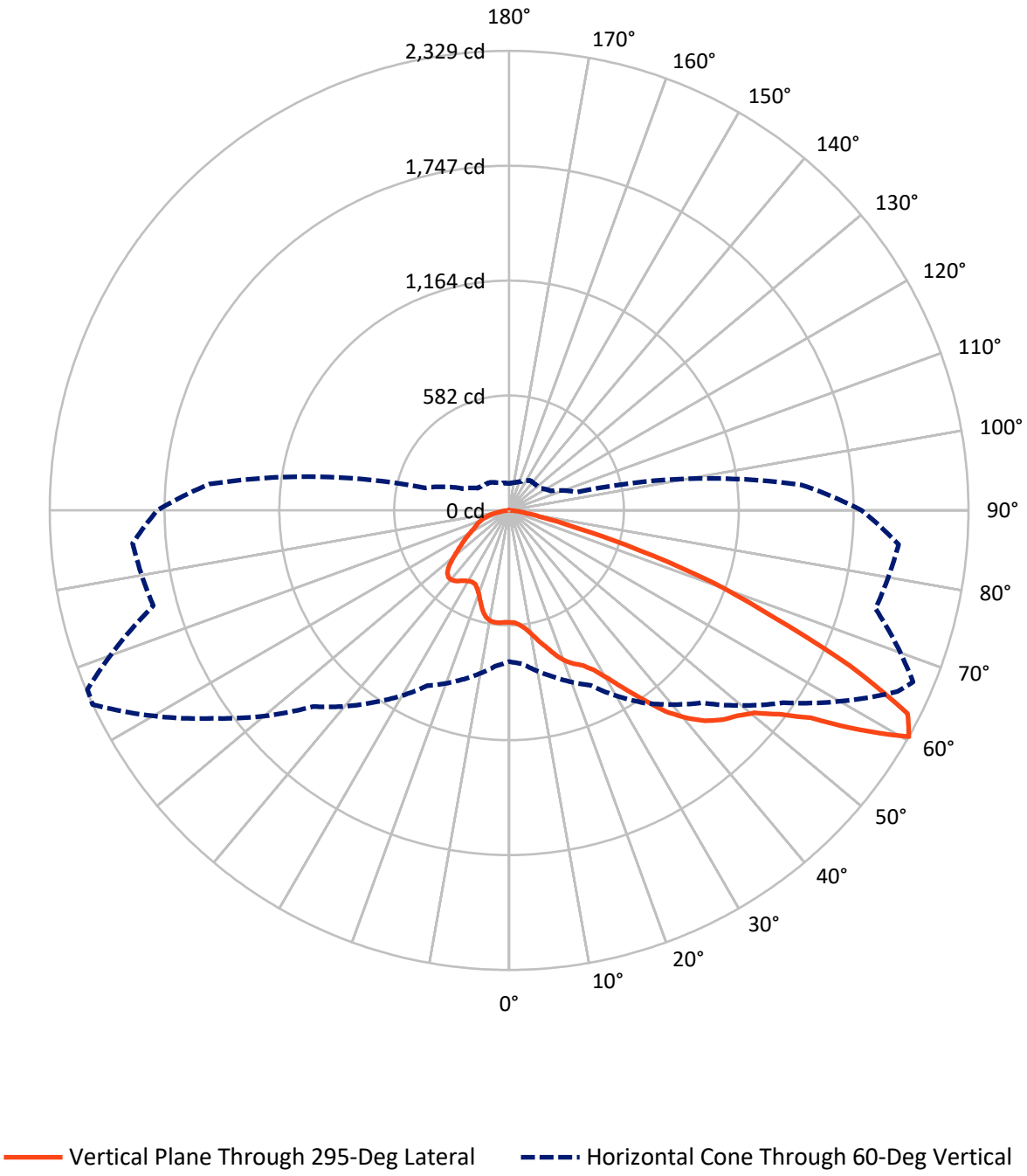
Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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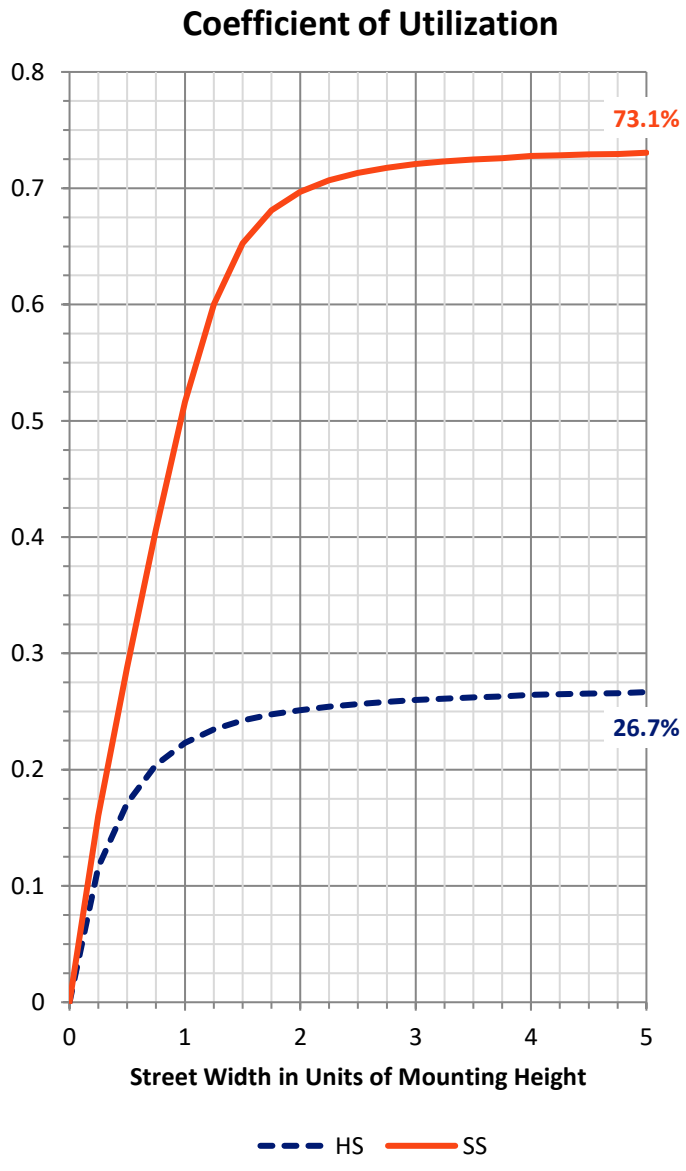
REPORT NUMBER: P1501493
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	949.2	0.0	949.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2580.7	0.0	2580.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	3529.9	0.0	3529.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.5
10°-20°	153.5	4.3
20°-30°	290.8	8.2
30°-40°	512.6	14.5
40°-50°	758.1	21.5
50°-60°	890.2	25.2
60°-70°	645.0	18.3
70°-80°	198.9	5.6
80°-90°	27.4	0.8
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°	3529.9	100.0
0°-180°	3529.9	100.0



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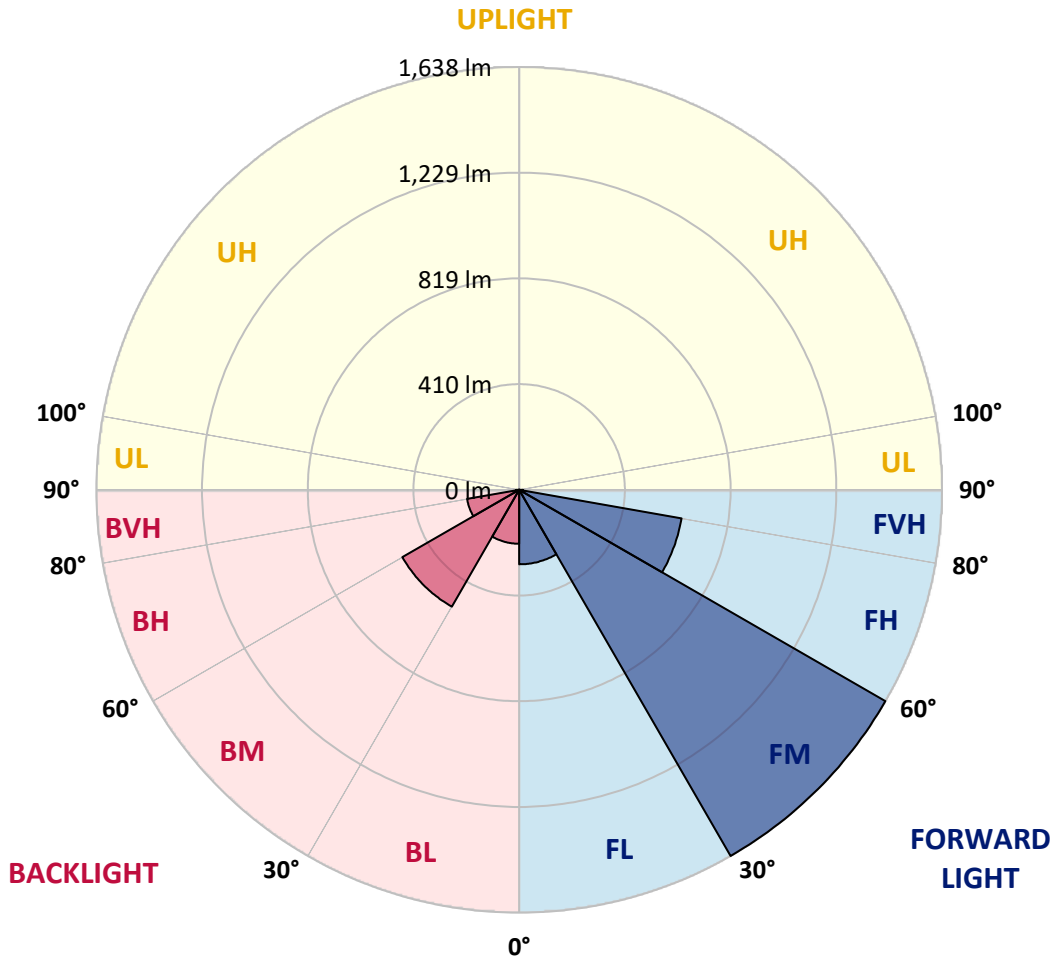
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	288.6	8.2			
FM	(30°-60°)	1638.3	46.4			
FH	(60°-80°)	639.0	18.1			G0/660
FVH	(80°-90°)	14.8	0.4			G1/100
BL	(0°-30°)	209.1	5.9	B1/500		
BM	(30°-60°)	522.7	14.8	B1/1000		
BH	(60°-80°)	204.9	5.8	B1/500		G1/500
BVH	(80°-90°)	12.6	0.4			G1/100
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°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	579.2	580.8	578.4	580.0	580.0	577.6	576.8	573.6	575.2	574.4	573.6
5°	592.9	593.7	592.1	594.5	594.5	595.3	594.5	590.5	590.5	590.5	588.9
7.5°	588.9	588.9	589.7	597.7	605.8	616.2	616.2	614.6	616.2	615.4	608.2
10°	555.1	558.3	565.5	585.6	605.0	627.5	642.8	647.6	647.6	648.4	636.3
12.5°	494.7	497.2	514.0	544.6	584.8	625.9	662.9	687.0	689.4	693.4	677.4
15°	440.8	442.5	454.5	485.9	531.7	604.1	674.1	724.0	732.1	749.0	724.8
17.5°	445.7	444.9	448.1	460.2	493.1	568.8	671.7	767.5	781.9	811.7	790.8
20°	474.6	474.6	477.0	479.5	491.5	543.0	654.0	802.9	831.0	888.9	864.8
22.5°	520.5	520.5	519.7	523.7	523.7	554.3	654.8	829.4	871.2	975.0	951.7
25°	584.0	580.8	580.8	582.4	575.2	596.9	674.9	856.7	911.5	1077.2	1057.1
27.5°	655.6	658.0	656.4	650.8	641.2	658.0	723.2	899.4	956.5	1185.0	1176.9
30°	733.7	734.5	736.1	732.9	724.8	736.9	798.8	963.7	1016.0	1297.6	1315.3
32.5°	810.1	821.4	817.3	809.3	812.5	834.2	892.1	1050.6	1104.5	1402.2	1464.9
35°	907.4	911.5	927.5	897.8	898.6	935.6	1011.2	1164.9	1217.1	1510.8	1614.6
37.5°	1049.0	1056.3	1049.0	1002.4	995.1	1046.6	1127.0	1277.5	1315.3	1592.8	1753.7
40°	1188.2	1197.0	1209.1	1154.4	1108.5	1151.2	1236.5	1363.6	1403.0	1637.9	1846.2
42.5°	1303.2	1317.7	1304.8	1288.7	1246.9	1255.0	1312.9	1430.3	1469.7	1695.0	1939.6
45°	1400.6	1403.0	1408.6	1397.3	1376.4	1369.2	1378.0	1489.1	1532.5	1720.7	1985.4
47.5°	1440.8	1451.2	1456.1	1475.4	1497.1	1482.6	1433.5	1516.4	1555.8	1719.1	1999.9
50°	1419.1	1429.5	1455.3	1501.1	1553.4	1579.2	1498.7	1554.2	1598.5	1748.1	2029.7
52.5°	1361.9	1373.2	1415.0	1467.3	1555.0	1613.7	1590.4	1633.1	1675.7	1799.6	2079.5
55°	1223.6	1240.5	1299.2	1386.1	1506.8	1595.2	1687.0	1748.9	1795.6	1861.5	2131.0
57.5°	1022.5	1040.2	1106.1	1236.5	1417.5	1518.8	1715.1	1966.1	1987.0	1935.5	2135.8
60°	*765.8*	*780.3*	*873.6*	*978.2*	*1190.6*	*1378.8*	*1699.0*	*2172.0*	*2225.1*	*1922.7*	*1982.2*
62.5°	606.6	624.3	707.1	755.4	907.4	1139.1	1642.7	2229.2	2275.0	1816.5	1768.2
65°	473.8	485.9	563.1	632.3	669.3	777.9	1407.8	1950.0	1991.0	1643.5	1459.3
67.5°	312.9	331.4	423.1	518.1	537.4	494.7	968.6	1500.3	1519.6	1306.4	1097.3
70°	224.4	233.3	301.7	403.0	432.0	331.4	527.7	1135.9	1141.5	876.9	739.3
72.5°	152.8	154.5	205.1	308.9	344.3	240.5	290.4	748.1	728.8	432.8	423.1
75°	103.8	105.4	131.1	205.9	243.8	167.3	189.0	407.9	391.8	238.9	256.6
77.5°	70.0	71.6	90.1	138.4	162.5	115.8	138.4	215.6	211.6	158.5	137.6
80°	53.1	55.5	66.8	88.5	113.4	67.6	78.8	102.2	103.8	84.5	70.0
82.5°	29.8	33.0	40.2	45.0	73.2	37.8	37.8	61.1	58.7	52.3	37.8
85°	12.9	13.7	16.1	16.9	29.8	16.1	13.7	26.5	27.4	25.7	12.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2
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°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	569.6	574.4	569.6	567.1	567.1	563.1	561.5	561.5	555.9	558.3	556.7
5°	582.4	584.0	578.4	571.2	561.5	553.5	542.2	527.7	518.9	518.1	518.9
7.5°	602.5	603.3	588.1	572.0	547.8	518.9	484.3	456.1	431.2	427.2	432.0
10°	630.7	629.1	606.6	568.8	518.1	456.9	403.8	378.1	363.6	362.8	362.0
12.5°	668.5	658.0	623.5	555.1	466.6	395.8	368.4	366.8	370.9	374.1	374.9
15°	711.9	698.3	637.1	528.5	414.3	373.3	374.9	388.6	393.4	396.6	396.6
17.5°	765.8	748.1	652.4	490.7	387.7	378.1	389.4	402.2	410.3	413.5	412.7
20°	837.4	800.4	664.5	454.5	380.5	386.1	395.8	408.7	416.7	420.7	420.7
22.5°	909.0	863.2	666.9	429.6	380.5	386.9	395.8	408.7	417.5	421.5	420.7
25°	1006.4	943.6	667.7	411.9	381.3	382.9	391.0	402.2	415.1	419.1	420.7
27.5°	1110.2	1032.1	671.7	407.9	378.1	377.3	382.9	393.4	406.3	416.7	417.5
30°	1238.9	1131.9	673.3	411.9	378.9	368.4	372.5	382.9	396.6	407.1	410.3
32.5°	1365.2	1224.4	670.1	420.7	380.5	362.8	363.6	370.1	384.5	391.8	397.4
35°	1498.7	1322.5	664.5	432.8	381.3	360.4	353.2	356.4	366.0	366.8	369.2
37.5°	1603.3	1395.7	647.6	448.9	382.9	351.5	337.1	334.7	330.6	322.6	324.2
40°	1689.4	1444.8	619.4	456.9	378.9	341.1	317.0	305.7	290.4	278.3	280.8
42.5°	1751.3	1477.8	585.6	458.5	372.5	323.4	293.6	274.3	257.4	244.6	245.4
45°	1778.7	1474.6	549.4	446.5	357.2	301.7	271.9	253.4	234.9	221.2	219.6
47.5°	1779.5	1443.2	499.6	417.5	331.4	276.7	251.8	231.7	216.4	206.7	205.9
50°	1785.9	1425.5	452.9	375.7	297.6	250.2	234.1	214.0	205.1	191.5	187.4
52.5°	1826.1	1454.5	420.7	329.8	266.3	230.9	218.8	201.1	186.6	177.8	177.0
55°	1891.3	1504.3	403.0	295.2	236.5	212.4	204.3	189.0	176.2	167.3	164.9
57.5°	1899.3	1530.1	382.1	263.1	212.4	197.9	194.7	177.8	159.3	152.8	150.4
60°	*1786.7*	*1486.6*	*356.4*	*233.3*	*194.7*	*186.6*	*185.0*	*162.5*	*147.2*	*139.2*	*136.0*
62.5°	1633.1	1378.0	317.0	205.9	181.0	175.4	168.9	151.2	131.9	123.1	120.7
65°	1334.6	1158.4	269.5	187.4	167.3	160.9	159.3	135.1	122.3	117.5	116.6
67.5°	1011.2	930.8	237.3	173.8	152.8	150.4	144.8	136.8	131.1	125.5	123.9
70°	715.2	671.7	201.9	156.1	138.4	134.3	157.7	148.8	128.7	121.5	120.7
72.5°	433.6	421.5	174.6	140.0	119.1	125.5	145.6	134.3	115.8	107.0	103.8
75°	273.5	250.2	146.4	119.1	94.9	102.2	127.1	119.9	99.8	90.9	88.5
77.5°	148.8	138.4	110.2	97.3	74.8	82.9	111.0	98.9	79.6	86.9	77.2
80°	65.2	72.4	73.2	56.3	49.9	61.1	79.6	77.2	61.1	61.9	51.5
82.5°	31.4	41.0	47.5	38.6	28.2	36.2	53.1	44.2	41.0	38.6	37.0
85°	9.7	15.3	20.9	18.5	12.9	15.3	24.9	24.1	29.0	24.9	23.3
87.5°	3.2	3.2	2.4	2.4	2.4	3.2	4.0	2.4	0.8	0.8	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°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	555.9	556.7	556.7	557.5	557.5	559.9	563.1	566.3	563.9	567.1	567.9
5°	517.3	521.3	524.5	536.6	546.2	554.3	563.1	571.2	573.6	575.2	579.2
7.5°	426.4	437.6	458.5	485.9	516.5	546.2	566.3	587.3	590.5	594.5	600.1
10°	362.8	367.6	382.1	410.3	465.0	523.7	572.8	605.8	619.4	627.5	633.1
12.5°	373.3	370.1	367.6	371.7	407.1	482.7	568.8	632.3	658.0	666.9	674.1
15°	398.2	395.0	386.1	374.9	378.9	439.2	555.1	657.2	698.3	712.8	728.0
17.5°	412.7	409.5	402.2	390.2	379.7	403.0	529.3	679.8	761.8	779.5	801.2
20°	420.7	417.5	410.3	398.2	386.1	389.4	496.4	707.9	834.2	862.4	894.6
22.5°	422.3	418.3	410.3	398.2	391.0	388.6	465.0	724.8	912.3	955.7	992.7
25°	421.5	414.3	403.8	395.0	391.0	390.2	443.3	734.5	996.7	1065.9	1107.7
27.5°	415.9	407.1	396.6	390.2	388.6	393.4	433.6	745.7	1095.7	1184.2	1250.9
30°	409.5	396.6	383.7	381.3	385.3	400.6	441.6	749.8	1199.4	1312.9	1381.3
32.5°	392.6	382.9	370.1	369.2	378.9	406.3	460.2	744.1	1291.2	1441.6	1527.7
35°	368.4	362.8	355.6	358.0	373.3	411.1	473.0	726.4	1374.8	1561.5	1662.0
37.5°	325.8	329.8	333.9	339.5	358.8	410.3	478.7	698.3	1444.0	1657.2	1785.9
40°	278.3	292.0	304.9	319.4	345.1	403.8	480.3	663.7	1484.2	1729.6	1896.1
42.5°	248.6	261.4	277.5	298.5	326.6	389.4	478.7	625.1	1497.1	1779.5	1966.1
45°	221.2	236.5	256.6	278.3	310.5	368.4	464.2	583.2	1503.5	1802.8	1995.9
47.5°	206.7	215.6	234.1	255.8	289.6	342.7	436.0	552.7	1493.9	1807.6	2032.1
50°	189.9	201.9	214.0	234.9	267.9	310.5	402.2	535.0	1510.0	1855.1	2089.2
52.5°	177.0	183.4	196.3	215.6	239.7	280.8	370.1	520.5	1554.2	1903.4	2148.7
55°	167.3	174.6	182.6	198.7	217.2	251.0	337.1	498.8	1605.7	1954.8	2208.2
57.5°	152.0	156.9	168.1	185.0	197.1	222.0	298.5	473.0	1601.7	1914.6	2105.3
60°	*138.4*	*143.2*	*155.3*	*172.2*	*179.4*	*196.3*	*260.6*	*440.0*	*1524.5*	*1783.5*	*1915.4*
62.5°	123.1	128.7	143.2	155.3	161.7	174.6	221.2	379.7	1363.6	1586.4	1693.4
65°	116.6	119.9	129.5	144.0	143.2	155.3	186.6	298.5	1097.3	1212.3	1309.7
67.5°	123.9	128.7	127.1	131.1	128.7	135.1	167.3	239.7	862.4	913.1	969.4
70°	122.3	133.5	139.2	131.1	112.6	119.9	144.8	191.5	617.0	612.2	609.8
72.5°	107.0	118.3	134.3	142.4	110.2	99.8	125.5	165.7	395.8	394.2	356.4
75°	90.9	98.9	118.3	128.7	94.9	80.4	107.8	140.8	236.5	239.7	214.0
77.5°	83.7	79.6	98.9	113.4	77.2	61.9	86.9	106.2	130.3	131.9	122.3
80°	60.3	57.9	74.0	82.9	58.7	44.2	49.1	66.0	70.0	62.7	65.2
82.5°	38.6	39.4	44.2	53.1	36.2	24.1	33.8	44.2	37.8	30.6	36.2
85°	24.9	28.2	23.3	27.4	11.3	11.3	14.5	19.3	12.9	8.8	9.7
87.5°	0.0	0.0	1.6	3.2	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: P1501493
CATALOG NUMBER: GSS-SB1A-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	567.9	567.9	*567.9*	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	570.4	569.6	*569.6*	571.2	575.2	576.8	579.2	578.4	580.8	579.2
5°	581.6	582.4	*584.8*	585.6	588.1	591.3	592.1	591.3	592.9	592.9
7.5°	604.1	607.4	*605.8*	609.8	606.6	602.5	596.1	591.3	587.3	588.9
10°	642.0	640.3	*639.5*	632.3	617.8	596.9	580.0	561.5	558.3	555.1
12.5°	683.8	682.2	*682.2*	657.2	616.2	572.8	534.2	505.2	495.5	494.7
15°	742.5	732.1	*722.4*	670.1	588.1	514.0	469.0	446.5	440.8	440.8
17.5°	815.7	788.4	*772.3*	660.5	542.2	475.4	448.9	443.3	441.6	445.7
20°	906.6	837.4	*814.1*	638.7	525.3	480.3	467.4	468.2	469.0	474.6
22.5°	1006.4	882.5	*843.9*	638.7	542.2	510.8	504.4	513.2	515.7	520.5
25°	1117.4	922.7	*870.4*	672.5	592.1	568.8	560.7	569.6	576.0	584.0
27.5°	1242.1	964.5	*916.3*	733.7	656.4	642.0	633.1	637.1	646.0	655.6
30°	1353.9	1034.5	*986.3*	827.0	744.1	726.4	711.1	717.6	727.2	733.7
32.5°	1452.9	1119.8	*1078.8*	925.1	844.7	814.1	797.2	795.6	814.9	810.1
35°	1543.8	1220.4	*1180.9*	1036.9	946.8	909.0	886.5	915.5	902.6	907.4
37.5°	1615.4	1324.9	*1293.6*	1143.9	1053.0	1001.6	987.9	1023.3	1043.4	1049.0
40°	1674.1	1415.8	*1382.9*	1250.1	1150.4	1112.6	1134.3	1193.0	1190.6	1188.2
42.5°	1719.1	1493.9	*1457.7*	1330.6	1243.7	1250.9	1267.8	1307.2	1316.9	1303.2
45°	1739.2	1543.0	*1514.0*	1394.1	1349.9	1391.7	1399.0	1415.8	1409.4	1400.6
47.5°	1762.6	1586.4	*1555.8*	1452.0	1464.9	1505.9	1491.5	1477.8	1454.5	1440.8
50°	1802.0	1637.9	*1612.1*	1536.5	1583.2	1569.5	1513.2	1482.6	1435.2	1419.1
52.5°	1876.8	1735.2	*1715.9*	1670.1	1638.7	1559.8	1491.5	1436.8	1383.7	1361.9
55°	1943.6	1867.2	*1855.9*	1794.7	1621.8	1509.2	1417.5	1333.0	1242.1	1223.6
57.5°	1982.2	2086.0	*2098.8*	1847.8	1544.6	1394.1	1259.0	1123.8	1037.8	1022.5
60°	*1867.2*	*2322.5*	*2328.9*	*1837.4*	*1405.4*	*1186.6*	*980.6*	*884.9*	*792.4*	*765.8*
62.5°	1708.7	2273.4	*2267.8*	1774.6	1119.0	865.6	744.9	699.9	628.3	606.6
65°	1468.9	1893.7	*1900.1*	1533.3	744.1	625.9	625.9	568.8	489.1	473.8
67.5°	1197.0	1460.1	*1445.6*	994.3	456.9	501.2	525.3	443.3	331.4	312.9
70°	777.9	1115.0	*1094.9*	573.6	287.2	417.5	413.5	333.0	237.3	224.4
72.5°	334.7	644.4	*685.4*	292.8	216.4	336.3	329.8	233.3	158.5	152.8
75°	201.9	324.2	*353.2*	186.6	157.7	253.4	228.5	148.0	107.8	103.8
77.5°	127.9	177.8	*176.2*	140.0	118.3	171.3	153.7	102.2	73.2	70.0
80°	74.0	87.7	*90.9*	87.7	79.6	122.3	98.1	74.0	57.1	53.1
82.5°	47.5	54.7	*55.5*	42.6	44.2	78.8	53.1	43.4	33.0	29.8
85°	20.9	23.3	*22.5*	14.5	14.5	32.2	18.5	17.7	12.9	12.9
87.5°	0.8	1.6	*0.8*	0.8	0.8	3.2	1.6	2.4	2.4	2.4
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

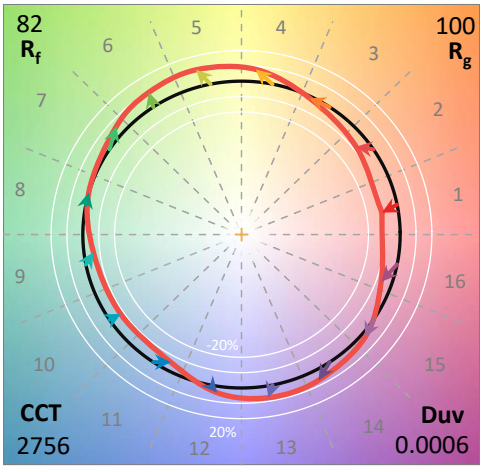
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

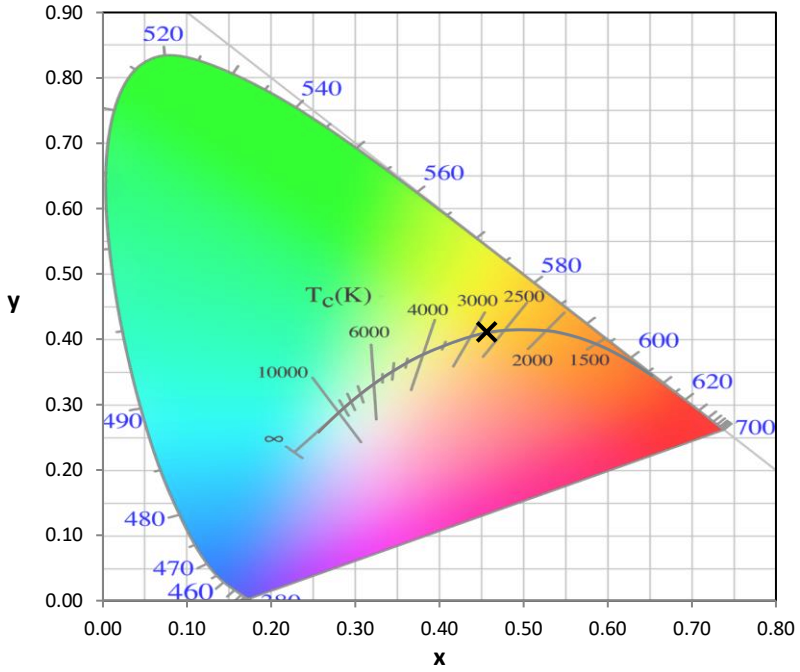
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

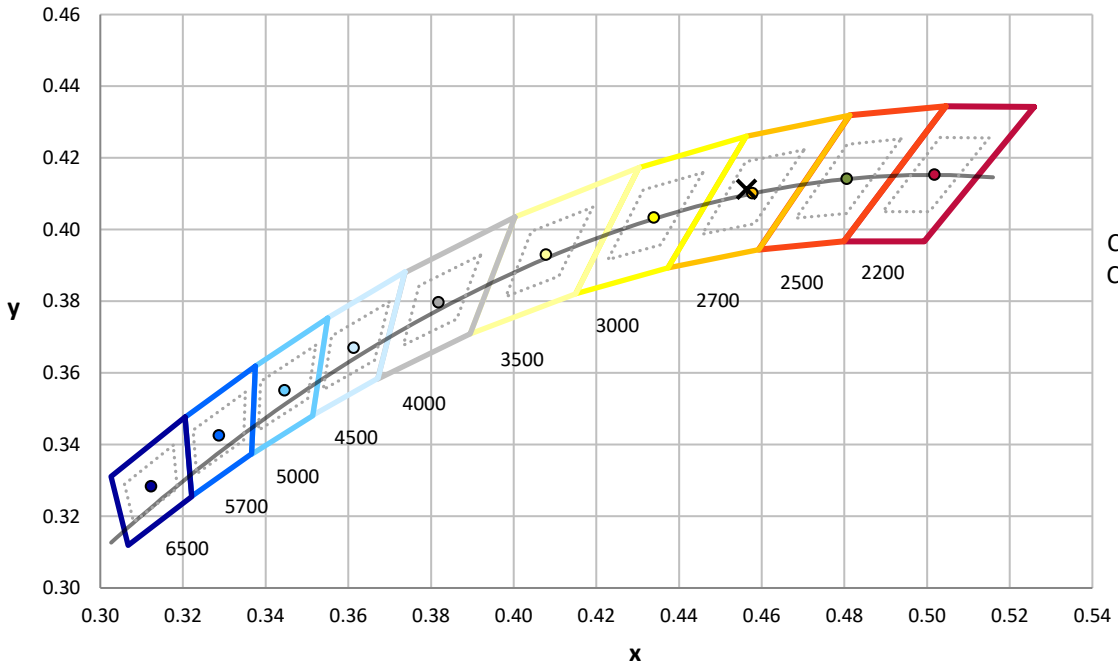
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

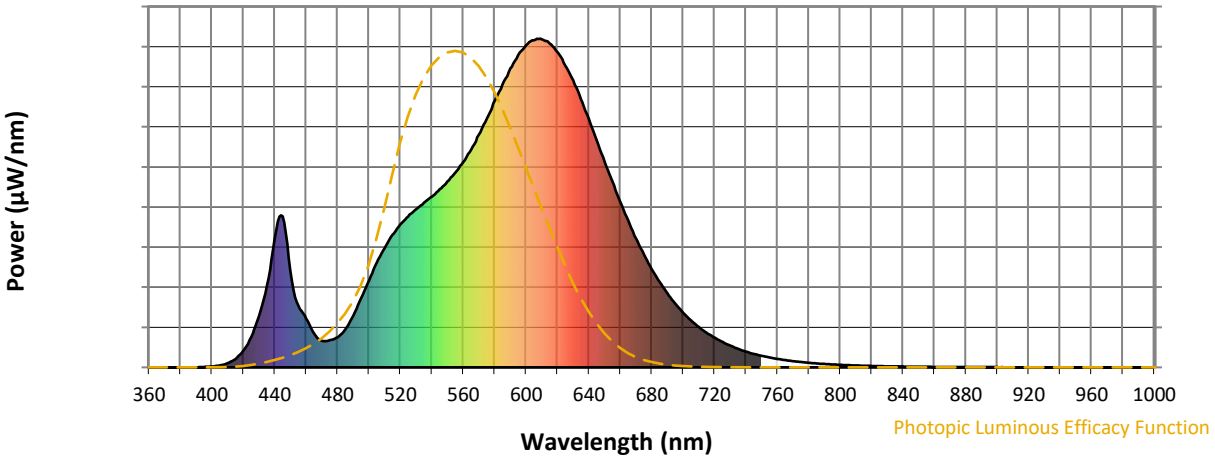


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

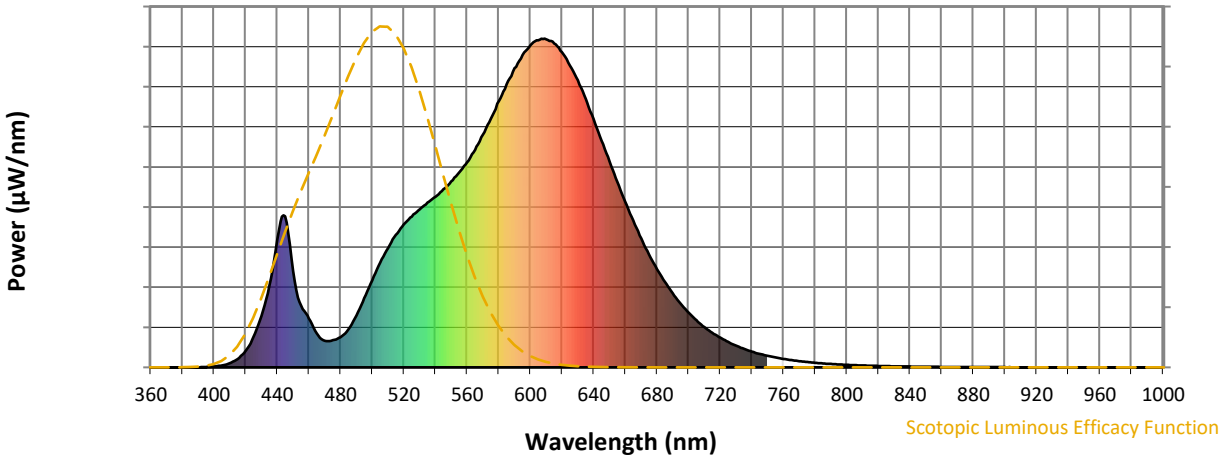


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

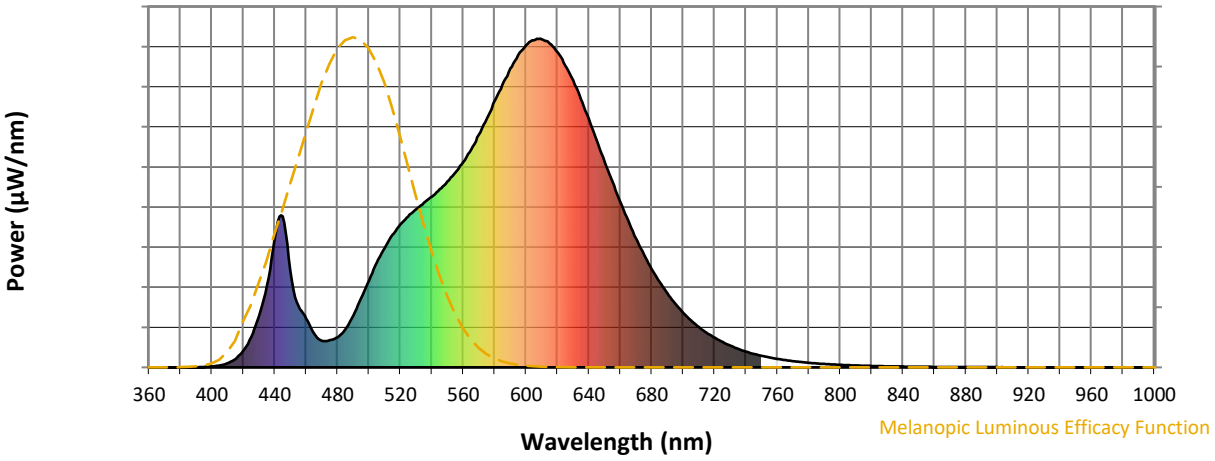


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

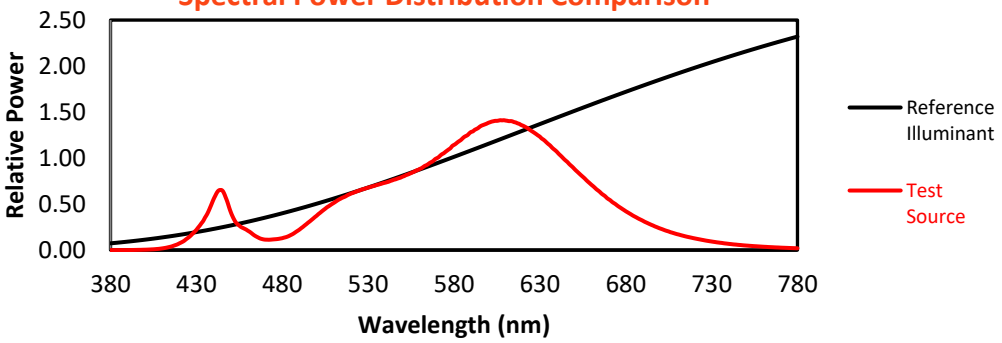
REPORT NUMBER: SP1-2407-184-8

TM-30-18

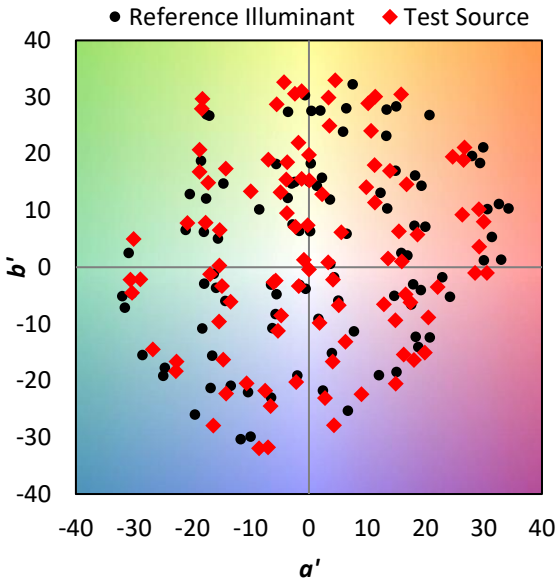
Summary

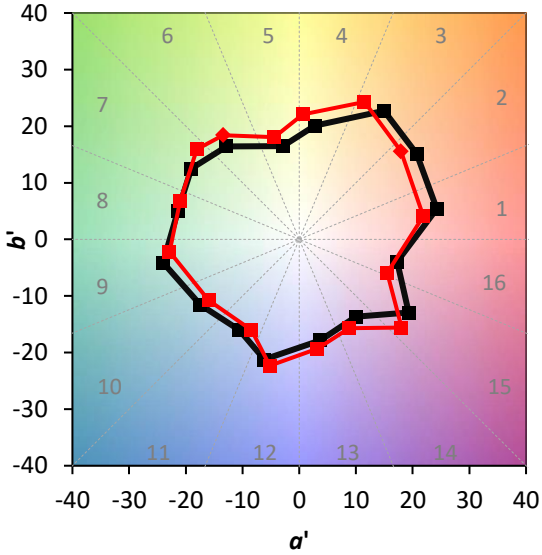
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

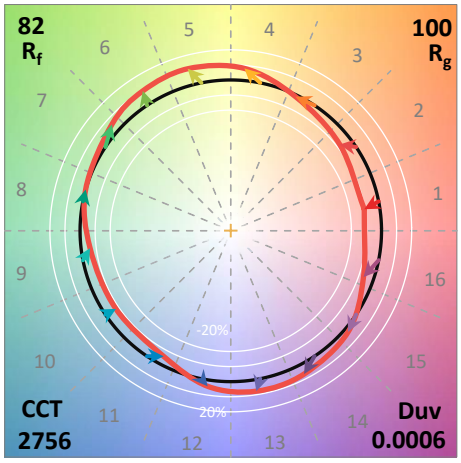
Spectral Power Distribution Comparison

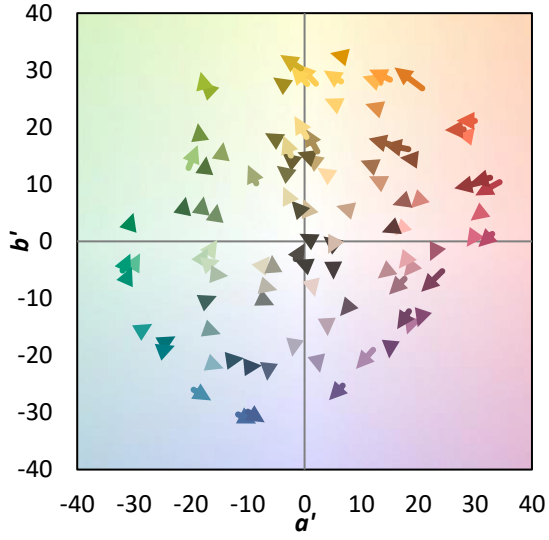


Color Vector Graphics







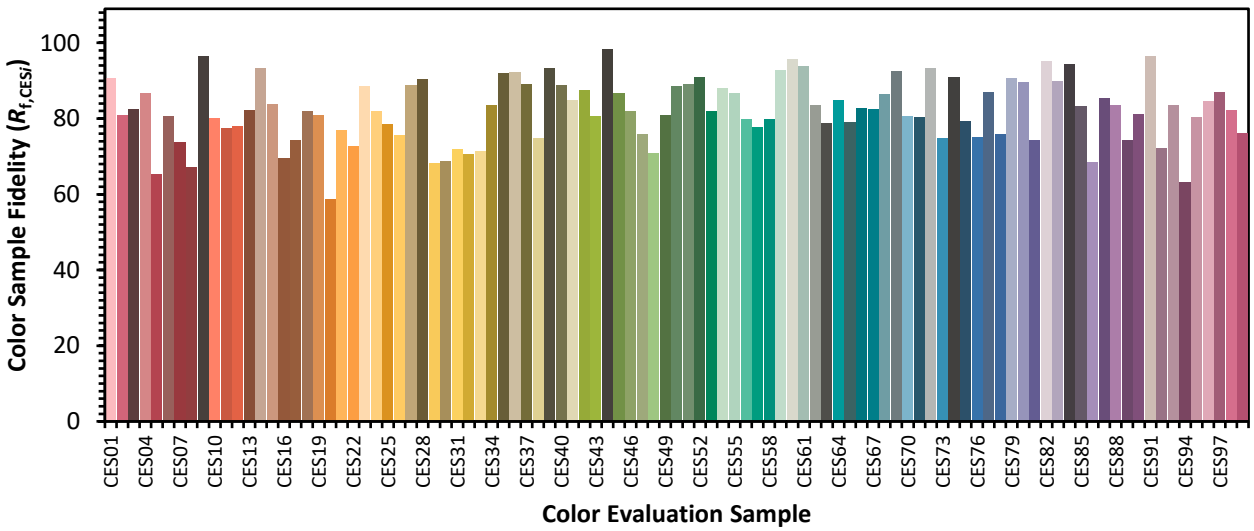


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

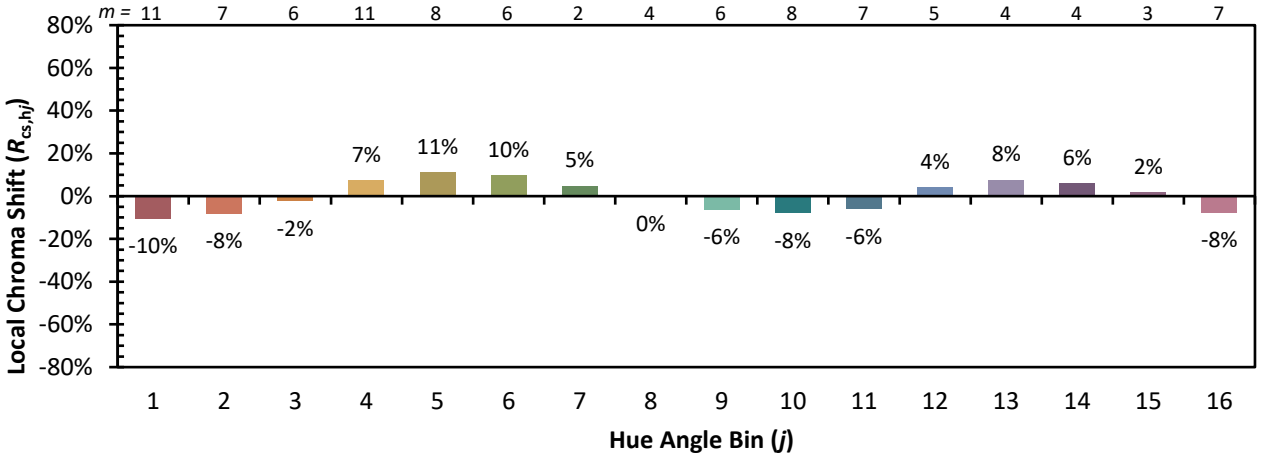
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

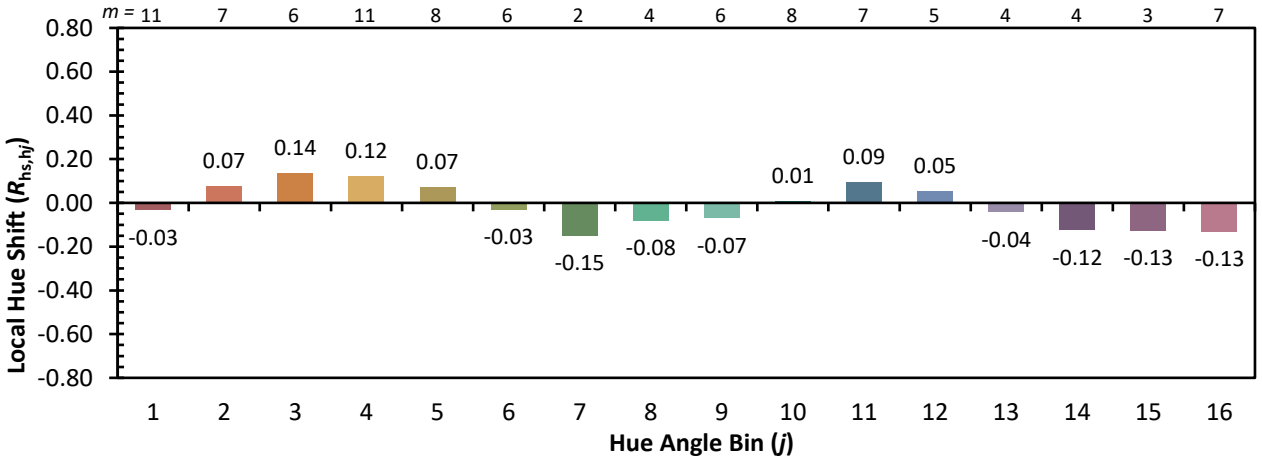


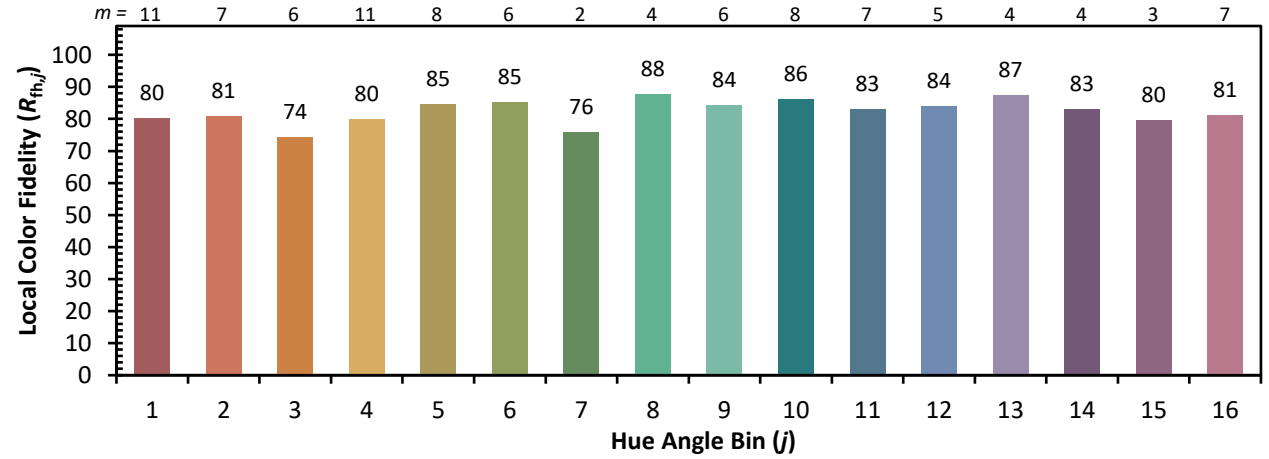
REPORT NUMBER: SP1-2407-184-8

TM-30-18

Color Rendition by Hue-Angle Bin



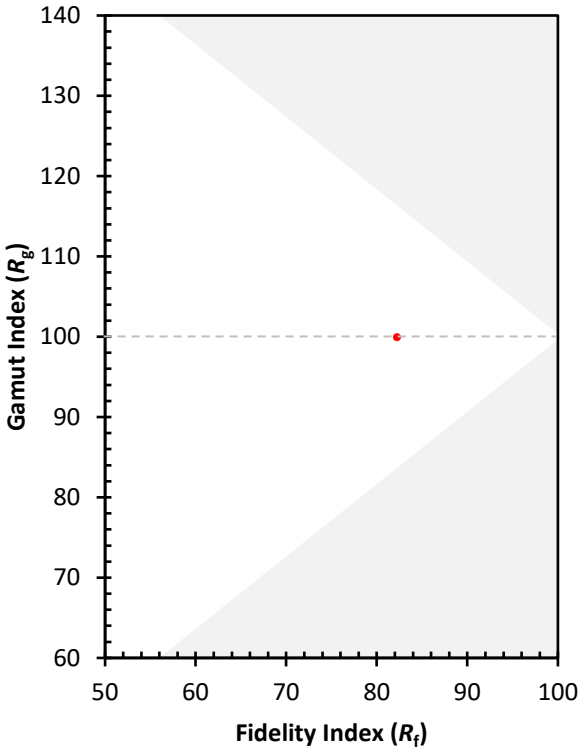


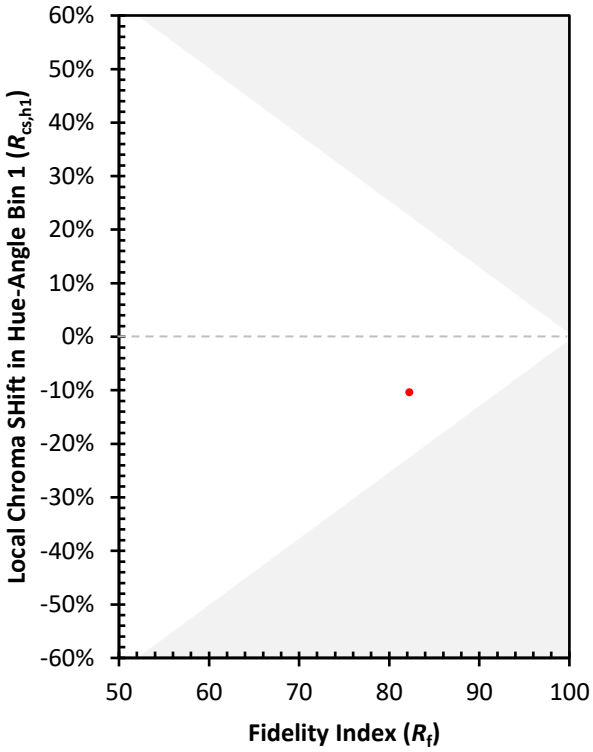


REPORT NUMBER: SP1-2407-184-8

TM-30-18

Measure Comparisons





(END OF REPORT)