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: P1501957

Luminaire Tested: GSS-SB3A-840-U-T2LG-HSS

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:	P1501957
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-840-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9717.6 lumens
Efficiency:	N/A
Efficacy:	114.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

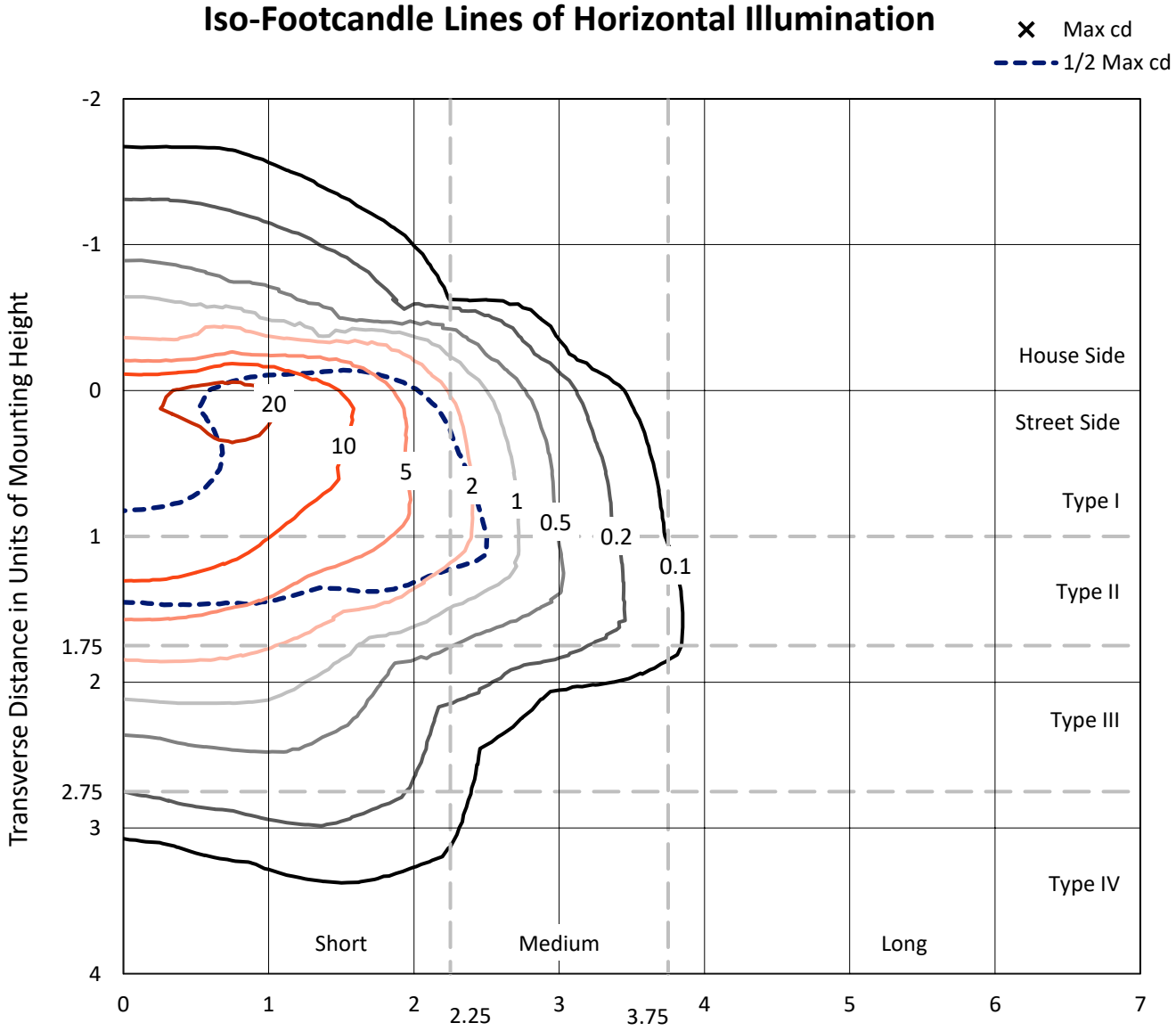
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



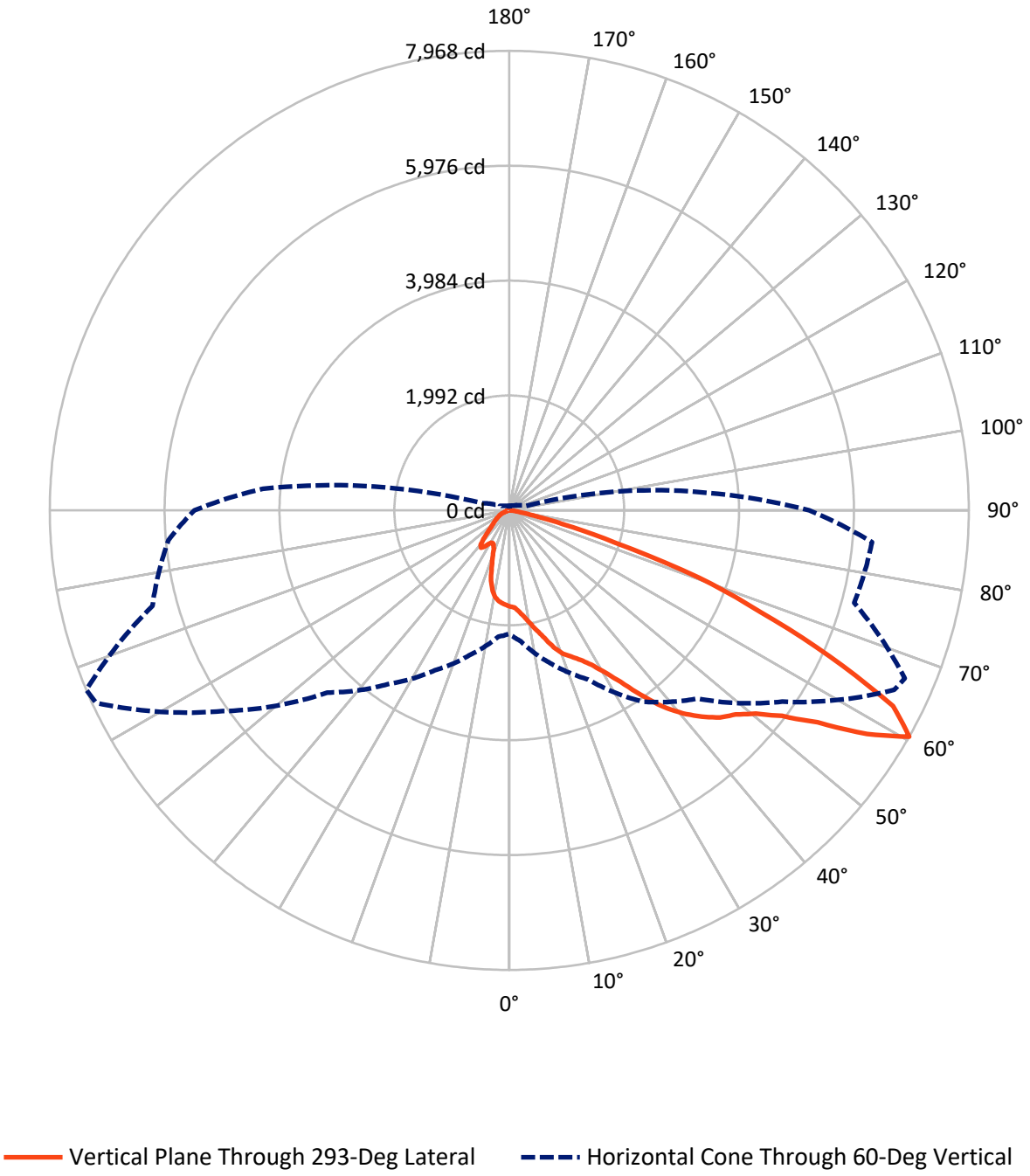
Based on 10 foot mounting height. Maximum calculated value = 27.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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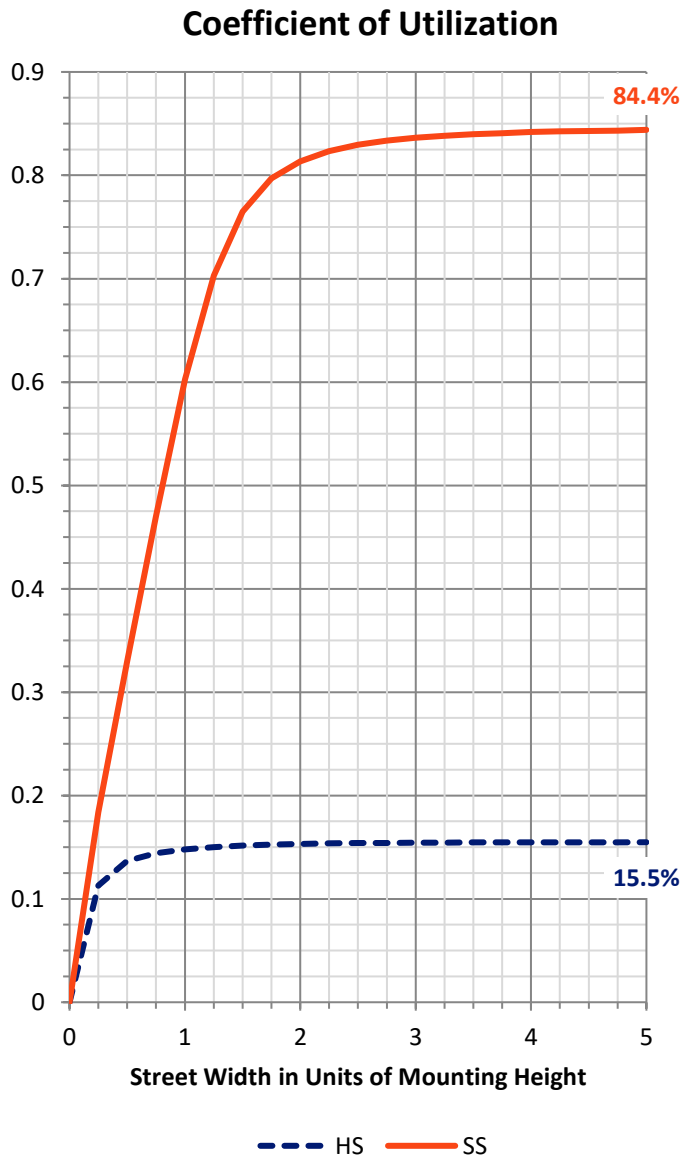
REPORT NUMBER: P1501957
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1516.2	0.0	1516.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	8201.4	0.0	8201.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	9717.6	0.0	9717.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.6
10°-20°	379.8	3.9
20°-30°	709.0	7.3
30°-40°	1406.1	14.5
40°-50°	2241.8	23.1
50°-60°	2678.4	27.6
60°-70°	1755.9	18.1
70°-80°	367.9	3.8
80°-90°	27.8	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°	9717.6	100.0
0°-180°	9717.6	100.0



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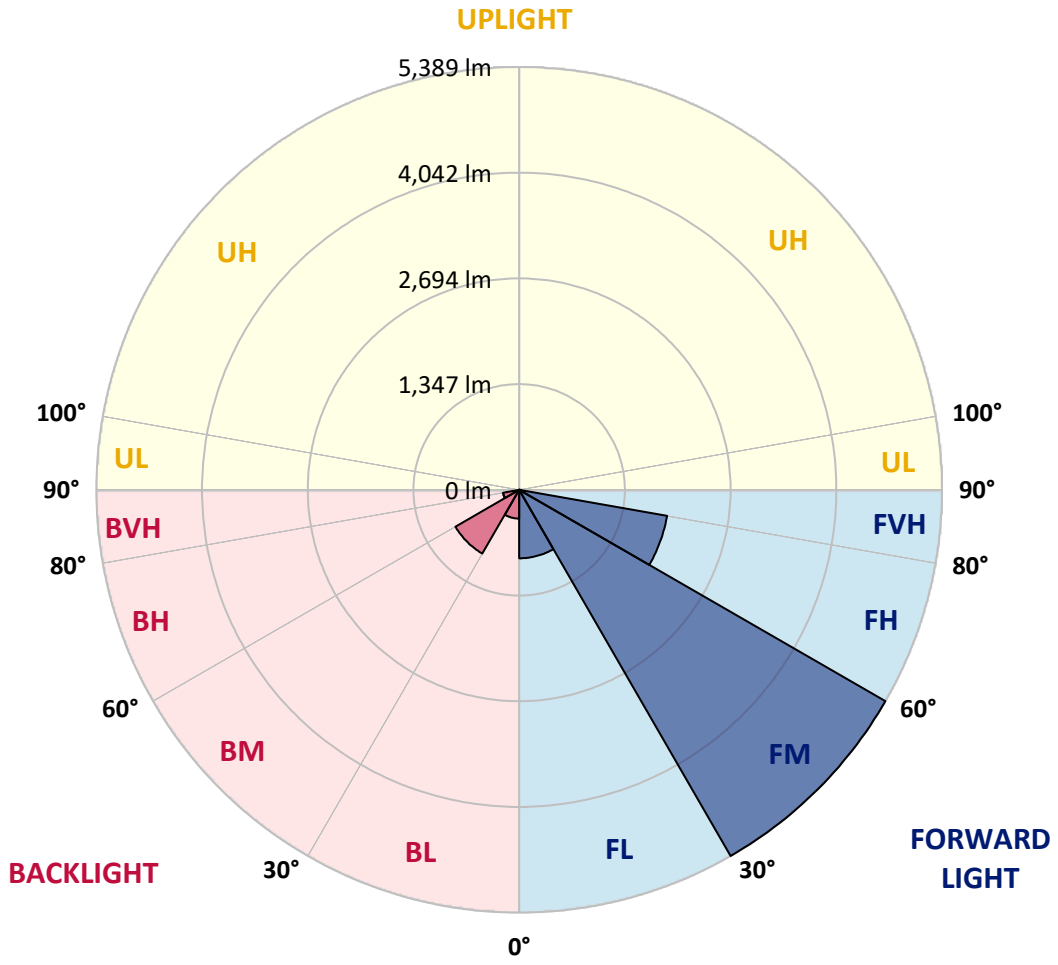
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	872.8	9.0			
FM	(30°-60°)	5388.8	55.5			
FH	(60°-80°)	1914.3	19.7			G2/5000
FVH	(80°-90°)	25.5	0.3			G1/100
BL	(0°-30°)	366.8	3.8	B1/500		
BM	(30°-60°)	937.6	9.6	B1/1000		
BH	(60°-80°)	209.4	2.2	B1/500		G1/500
BVH	(80°-90°)	2.3	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-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5
2.5°	1749.9	1744.4	1736.3	1739.0	1736.3	1725.4	1709.0	1695.4	1706.3	1690.0	1679.1
5°	1801.6	1801.6	1796.1	1796.1	1798.8	1793.4	1782.5	1763.5	1766.2	1752.6	1717.2
7.5°	1801.6	1793.4	1807.0	1820.6	1845.1	1858.7	1864.2	1853.3	1858.7	1831.5	1785.2
10°	1695.4	1690.0	1725.4	1777.1	1847.8	1910.4	1951.2	1954.0	1962.1	1934.9	1880.5
12.5°	1469.6	1458.7	1529.4	1627.4	1771.6	1915.9	2030.2	2073.7	2092.8	2081.9	2005.7
15°	1260.0	1273.6	1322.6	1428.7	1622.0	1842.4	2073.7	2217.9	2245.2	2258.8	2169.0
17.5°	1238.2	1241.0	1257.3	1309.0	1456.0	1722.7	2079.2	2367.6	2405.7	2465.6	2343.1
20°	1298.1	1292.7	1309.0	1325.3	1396.1	1616.5	2027.4	2511.9	2585.3	2713.2	2579.9
22.5°	1409.7	1409.7	1417.9	1428.7	1464.1	1608.4	2005.7	2645.2	2770.4	3031.6	2876.5
25°	1597.5	1575.7	1581.1	1567.5	1597.5	1706.3	2054.7	2751.3	2922.8	3385.4	3230.3
27.5°	1888.7	1896.8	1847.8	1774.4	1790.7	1883.2	2174.4	2871.1	3080.6	3752.8	3589.5
30°	2291.4	2277.8	2247.9	2103.6	2038.3	2120.0	2394.8	3067.0	3292.9	4218.2	4068.5
32.5°	2607.1	2645.2	2593.5	2492.8	2392.1	2416.6	2705.1	3382.7	3551.4	4645.4	4563.8
35°	2988.1	2988.1	2999.0	2857.5	2789.4	2784.0	3094.2	3725.6	3894.3	5031.9	5089.0
37.5°	3502.4	3467.1	3407.2	3249.4	3197.7	3265.7	3458.9	4079.4	4261.7	5344.8	5497.2
40°	3935.2	3959.6	3951.5	3722.9	3622.2	3695.7	3867.1	4381.5	4523.0	5546.2	5826.5
42.5°	4359.7	4373.3	4337.9	4229.1	4082.1	4087.6	4229.1	4610.1	4754.3	5739.4	6136.8
45°	4678.1	4675.4	4650.9	4623.7	4536.6	4446.8	4471.3	4863.2	4988.3	5802.0	6305.5
47.5°	4778.8	4800.6	4822.3	4898.5	4958.4	4816.9	4691.7	4999.2	5113.5	5791.2	6368.1
50°	4686.3	4732.5	4838.7	4953.0	5157.1	5146.2	4876.8	5146.2	5257.8	5851.0	6441.6
52.5°	4479.4	4525.7	4667.2	4874.0	5181.6	5334.0	5219.7	5393.8	5524.5	6003.4	6594.0
55°	3997.7	4016.8	4308.0	4580.1	5059.1	5252.3	5587.0	5812.9	5921.8	6188.5	6795.4
57.5°	3254.8	3301.1	3586.8	4030.4	4716.2	5037.3	5796.6	6528.7	6525.9	6365.4	6838.9
60°	*2141.7*	*2277.8*	*2743.2*	*3233.0*	*4052.2*	*4615.5*	*5783.0*	*7366.8*	*7451.2*	*6191.2*	*6313.7*
62.5°	1635.6	1692.7	1956.7	2364.9	2999.0	3826.3	5693.2	7617.2	7682.5	5723.1	5527.2
65°	1230.1	1300.8	1553.9	1918.6	2117.3	2593.5	5105.4	6621.2	6711.0	5108.1	4297.1
67.5°	753.8	811.0	1148.4	1575.7	1602.9	1611.1	3445.3	5015.6	5048.2	4120.2	2892.9
70°	503.5	560.6	794.7	1211.0	1276.3	928.0	1891.4	3796.4	3793.6	2819.4	1758.0
72.5°	291.2	318.4	503.5	892.6	1004.2	590.5	944.3	2413.9	2307.8	1325.3	821.9
75°	166.0	185.1	277.6	574.2	704.8	375.6	372.8	1292.7	1143.0	683.1	449.0
77.5°	100.7	108.9	152.4	375.6	424.5	253.1	206.8	601.4	579.7	400.0	236.8
80°	49.0	57.1	92.5	220.4	272.1	136.1	125.2	236.8	253.1	220.4	125.2
82.5°	16.3	21.8	51.7	84.4	176.9	54.4	51.7	130.6	138.8	130.6	59.9
85°	8.2	10.9	24.5	27.2	68.0	27.2	19.0	57.1	70.8	43.5	24.5
87.5°	0.0	2.7	2.7	2.7	2.7	2.7	2.7	5.4	5.4	5.4	5.4
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°	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5
2.5°	1670.9	1665.5	1654.6	1635.6	1632.8	1619.2	1597.5	1583.9	1573.0	1581.1	1583.9
5°	1700.9	1687.3	1654.6	1602.9	1548.5	1494.1	1442.3	1382.5	1341.7	1336.2	1325.3
7.5°	1755.3	1728.1	1657.3	1556.6	1417.9	1287.2	1134.8	987.9	914.4	903.5	879.0
10°	1842.4	1796.1	1679.1	1475.0	1208.3	936.2	704.8	547.0	457.2	440.9	446.3
12.5°	1945.8	1880.5	1681.8	1336.2	919.8	579.7	400.0	340.2	321.1	313.0	313.0
15°	2079.2	1983.9	1679.1	1156.6	620.5	372.8	321.1	296.6	288.5	283.0	283.0
17.5°	2247.9	2122.7	1660.1	887.2	419.1	323.8	293.9	274.9	264.0	261.3	261.3
20°	2446.5	2277.8	1616.5	661.3	351.1	302.1	277.6	253.1	244.9	239.5	239.5
22.5°	2699.6	2465.6	1532.2	514.3	332.0	288.5	261.3	234.0	225.9	220.4	220.4
25°	2993.5	2705.1	1420.6	462.6	329.3	277.6	244.9	217.7	209.5	206.8	204.1
27.5°	3341.9	2960.9	1317.2	465.4	334.7	269.4	228.6	204.1	195.9	187.8	190.5
30°	3752.8	3224.9	1232.8	498.0	340.2	261.3	217.7	195.9	187.8	176.9	176.9
32.5°	4158.3	3535.1	1224.6	557.9	359.2	255.8	206.8	185.1	176.9	168.7	168.7
35°	4574.7	3818.1	1270.9	636.8	397.3	247.6	193.2	174.2	166.0	160.6	157.8
37.5°	4972.0	4044.0	1314.4	685.8	375.6	212.3	176.9	160.6	152.4	141.5	141.5
40°	5236.0	4166.5	1322.6	647.7	310.2	190.5	160.6	144.2	133.3	127.9	125.2
42.5°	5429.2	4245.4	1230.1	525.2	269.4	174.2	147.0	130.6	122.5	117.0	117.0
45°	5508.1	4218.2	1072.2	400.0	247.6	160.6	133.3	119.7	114.3	108.9	108.9
47.5°	5497.2	4093.0	911.7	321.1	225.9	147.0	125.2	114.3	108.9	103.4	100.7
50°	5478.2	3976.0	748.4	285.7	201.4	138.8	117.0	108.9	100.7	95.2	92.5
52.5°	5603.4	3937.9	620.5	261.3	187.8	133.3	114.3	103.4	95.2	89.8	89.8
55°	5728.6	3954.2	487.1	244.9	174.2	130.6	111.6	100.7	92.5	84.4	84.4
57.5°	5720.4	3883.4	370.1	228.6	163.3	127.9	108.9	98.0	84.4	78.9	78.9
60°	*5200.6*	*3464.3*	*288.5*	*209.5*	*149.7*	*119.7*	*100.7*	*92.5*	*78.9*	*70.8*	*70.8*
62.5°	4397.8	2724.1	236.8	185.1	133.3	108.9	92.5	84.4	70.8	57.1	57.1
65°	3249.4	1964.9	190.5	160.6	122.5	95.2	84.4	73.5	57.1	46.3	43.5
67.5°	2198.9	1208.3	152.4	133.3	108.9	81.6	70.8	62.6	51.7	38.1	35.4
70°	1303.6	642.3	111.6	92.5	81.6	59.9	59.9	54.4	43.5	32.7	29.9
72.5°	620.5	223.2	81.6	68.0	62.6	43.5	46.3	46.3	35.4	24.5	21.8
75°	315.7	108.9	54.4	49.0	40.8	32.7	38.1	35.4	24.5	16.3	16.3
77.5°	179.6	76.2	38.1	32.7	27.2	21.8	24.5	21.8	13.6	8.2	8.2
80°	100.7	54.4	24.5	21.8	16.3	13.6	13.6	10.9	8.2	2.7	2.7
82.5°	38.1	32.7	16.3	10.9	8.2	8.2	5.4	5.4	2.7	0.0	0.0
85°	16.3	8.2	8.2	5.4	5.4	2.7	2.7	2.7	0.0	0.0	0.0
87.5°	2.7	2.7	2.7	2.7	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°	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5
2.5°	1562.1	1567.5	1573.0	1594.7	1600.2	1616.5	1630.1	1646.5	1649.2	1670.9	1670.9
5°	1347.1	1344.4	1390.6	1458.7	1502.2	1562.1	1608.4	1657.3	1684.6	1719.9	1736.3
7.5°	892.6	960.7	1064.1	1183.8	1338.9	1483.2	1592.0	1687.3	1752.6	1793.4	1809.7
10°	443.6	481.7	590.5	786.5	1050.5	1344.4	1575.7	1752.6	1858.7	1905.0	1934.9
12.5°	313.0	321.1	340.2	446.3	699.4	1115.8	1524.0	1823.3	1970.3	2057.4	2095.5
15°	280.3	285.7	293.9	323.8	432.7	832.8	1431.5	1902.3	2144.5	2245.2	2294.1
17.5°	258.5	261.3	269.4	293.9	340.2	566.1	1281.8	1986.6	2354.0	2476.5	2569.0
20°	239.5	239.5	247.6	277.6	315.7	435.4	1066.8	2081.9	2620.7	2797.6	2890.1
22.5°	217.7	223.2	228.6	261.3	307.5	397.3	865.4	2155.4	2917.3	3132.3	3241.2
25°	201.4	206.8	212.3	244.9	299.4	397.3	748.4	2201.6	3249.4	3505.2	3654.8
27.5°	187.8	193.2	201.4	234.0	291.2	413.7	702.1	2215.2	3611.3	3943.3	4144.7
30°	176.9	182.3	190.5	225.9	296.6	432.7	718.5	2196.2	3978.7	4395.1	4634.6
32.5°	166.0	171.4	179.6	217.7	296.6	457.2	772.9	2158.1	4335.2	4846.8	5140.7
35°	157.8	160.6	163.3	195.9	269.4	454.5	840.9	2120.0	4694.4	5293.1	5636.0
37.5°	141.5	144.2	149.7	168.7	215.0	413.7	854.5	2073.7	4977.5	5668.7	6047.0
40°	125.2	130.6	136.1	155.1	179.6	334.7	794.7	1975.7	5127.1	5957.2	6417.1
42.5°	114.3	117.0	122.5	141.5	166.0	266.7	666.7	1804.3	5260.5	6153.1	6686.5
45°	106.1	108.9	114.3	127.9	155.1	231.3	525.2	1594.7	5271.4	6215.7	6817.1
47.5°	98.0	100.7	103.4	117.0	149.7	206.8	402.8	1404.2	5268.6	6297.3	6928.7
50°	92.5	95.2	100.7	111.6	141.5	185.1	332.0	1249.1	5382.9	6474.2	7154.6
52.5°	89.8	89.8	98.0	108.9	133.3	168.7	277.6	1110.3	5442.8	6648.4	7317.9
55°	84.4	87.1	92.5	103.4	125.2	160.6	236.8	936.2	5470.0	6735.5	7347.8
57.5°	78.9	81.6	89.8	98.0	119.7	152.4	204.1	699.4	5080.9	6281.0	6847.1
60°	*70.8*	*76.2*	*87.1*	*95.2*	*111.6*	*138.8*	*179.6*	*473.5*	*4286.2*	*5459.1*	*5932.7*
62.5°	57.1	68.0	78.9	84.4	100.7	117.0	152.4	315.7	3423.5	4517.5	5056.4
65°	43.5	57.1	65.3	73.5	84.4	98.0	127.9	215.0	2283.3	3039.8	3646.7
67.5°	38.1	49.0	54.4	59.9	70.8	84.4	103.4	149.7	1385.2	1826.1	2424.8
70°	29.9	40.8	46.3	43.5	54.4	65.3	73.5	100.7	707.6	990.6	1379.8
72.5°	21.8	32.7	35.4	35.4	32.7	46.3	54.4	70.8	307.5	481.7	625.9
75°	16.3	21.8	24.5	21.8	19.0	29.9	38.1	46.3	201.4	288.5	364.7
77.5°	8.2	8.2	13.6	13.6	8.2	16.3	19.0	27.2	114.3	168.7	209.5
80°	2.7	0.0	0.0	2.7	0.0	5.4	8.2	13.6	59.9	89.8	130.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	29.9	27.2	68.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	16.3
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: P1501957
CATALOG NUMBER: GSS-SB3A-840-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1665.5	*1665.5*	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5	1665.5
2.5°	1684.6	*1684.6*	1695.4	1711.8	1719.9	1725.4	1728.1	1733.5	1755.3	1749.9
5°	1755.3	*1760.7*	1768.9	1785.2	1804.3	1798.8	1798.8	1798.8	1812.5	1801.6
7.5°	1847.8	*1864.2*	1866.9	1885.9	1872.3	1845.1	1828.8	1804.3	1801.6	1801.6
10°	1997.5	*1992.1*	1992.1	1967.6	1918.6	1839.7	1768.9	1719.9	1692.7	1695.4
12.5°	2158.1	*2136.3*	2139.0	2049.2	1910.4	1736.3	1592.0	1485.9	1477.7	1469.6
15°	2356.7	*2299.6*	2288.7	2081.9	1788.0	1521.3	1379.8	1295.4	1268.2	1260.0
17.5°	2639.8	*2495.5*	2443.8	2024.7	1627.4	1387.9	1281.8	1243.7	1241.0	1238.2
20°	2939.1	*2653.4*	2555.4	1940.4	1573.0	1390.6	1311.7	1300.8	1295.4	1298.1
22.5°	3287.5	*2754.1*	2628.9	1954.0	1622.0	1480.4	1417.9	1409.7	1404.2	1409.7
25°	3646.7	*2871.1*	2716.0	2062.8	1768.9	1646.5	1573.0	1556.6	1573.0	1597.5
27.5°	4008.6	*3028.9*	2887.4	2277.8	2005.7	1872.3	1801.6	1861.4	1885.9	1888.7
30°	4329.8	*3249.4*	3118.7	2579.9	2275.1	2141.7	2155.4	2231.6	2261.5	2291.4
32.5°	4623.7	*3543.3*	3442.6	2922.8	2623.4	2544.5	2536.4	2593.5	2626.2	2607.1
35°	4920.3	*3927.0*	3829.0	3295.6	3050.7	2985.4	2917.3	3028.9	3018.0	2988.1
37.5°	5200.6	*4313.4*	4223.6	3695.7	3442.6	3328.3	3317.4	3418.1	3507.9	3502.4
40°	5402.0	*4626.4*	4517.5	4093.0	3853.5	3755.5	3812.7	3986.9	3965.1	3935.2
42.5°	5587.0	*4893.1*	4795.1	4441.3	4191.0	4234.5	4286.2	4403.2	4389.6	4359.7
45°	5674.1	*5121.7*	5037.3	4705.3	4582.8	4721.6	4718.9	4762.5	4689.0	4678.1
47.5°	5796.6	*5285.0*	5197.9	4942.1	5050.9	5108.1	4947.5	4901.3	4833.2	4778.8
50°	6022.5	*5538.1*	5451.0	5301.3	5393.8	5216.9	5021.0	4920.3	4781.5	4686.3
52.5°	6286.4	*5921.8*	5845.6	5785.7	5527.2	5162.5	4912.1	4729.8	4561.1	4479.4
55°	6618.5	*6487.8*	6433.4	6104.1	5407.4	4939.4	4645.4	4305.3	4073.9	3997.7
57.5°	6727.3	*7317.9*	7298.8	6155.8	5072.7	4533.9	4003.2	3543.3	3303.8	3254.8
60°	*6406.2*	*7968.3*	*7900.2*	*6068.7*	*4465.8*	*3679.3*	*3058.9*	*2588.1*	*2198.9*	*2141.7*
62.5°	5995.3	*7470.3*	7445.8	5630.6	3401.8	2637.0	2286.0	1845.1	1679.1	1635.6
65°	5135.3	*6112.3*	6123.2	4517.5	2152.6	1894.1	1877.8	1466.8	1262.7	1230.1
67.5°	3954.2	*4689.0*	4612.8	2841.1	1254.6	1515.8	1499.5	1072.2	775.6	753.8
70°	2310.5	*3491.6*	3369.1	1477.7	830.0	1265.5	1153.9	753.8	528.0	503.5
72.5°	1020.5	*1921.3*	2062.8	650.4	585.1	1006.9	832.8	462.6	296.6	291.2
75°	566.1	*952.5*	996.0	283.0	410.9	715.7	503.5	258.5	168.7	166.0
77.5°	340.2	*421.8*	410.9	182.3	307.5	457.2	304.8	147.0	106.1	100.7
80°	190.5	*193.2*	163.3	133.3	182.3	255.8	171.4	92.5	49.0	49.0
82.5°	117.0	*106.1*	84.4	40.8	49.0	155.1	62.6	51.7	16.3	16.3
85°	49.0	*32.7*	21.8	8.2	19.0	40.8	21.8	24.5	8.2	8.2
87.5°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-11

Test Date: 10/11/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

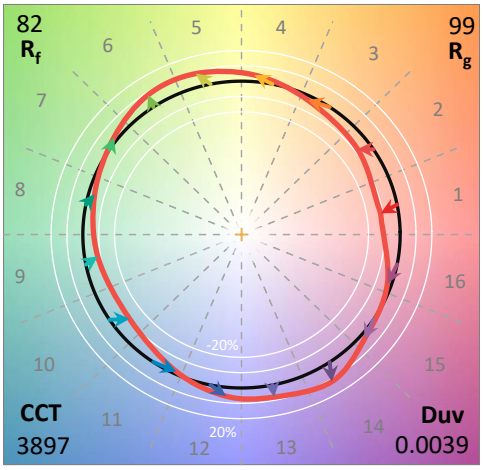
Test Information

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

Spectral Parameters

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

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



Test Conditions

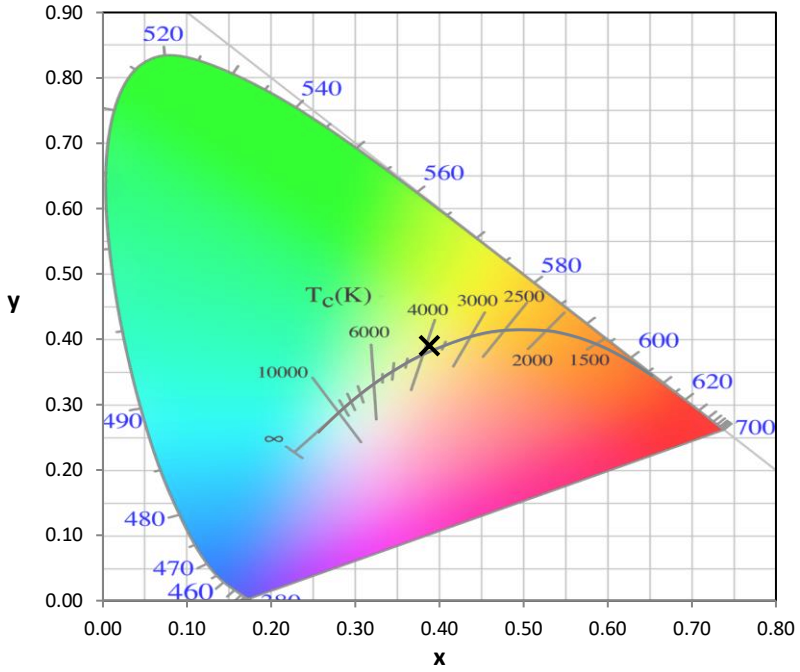
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

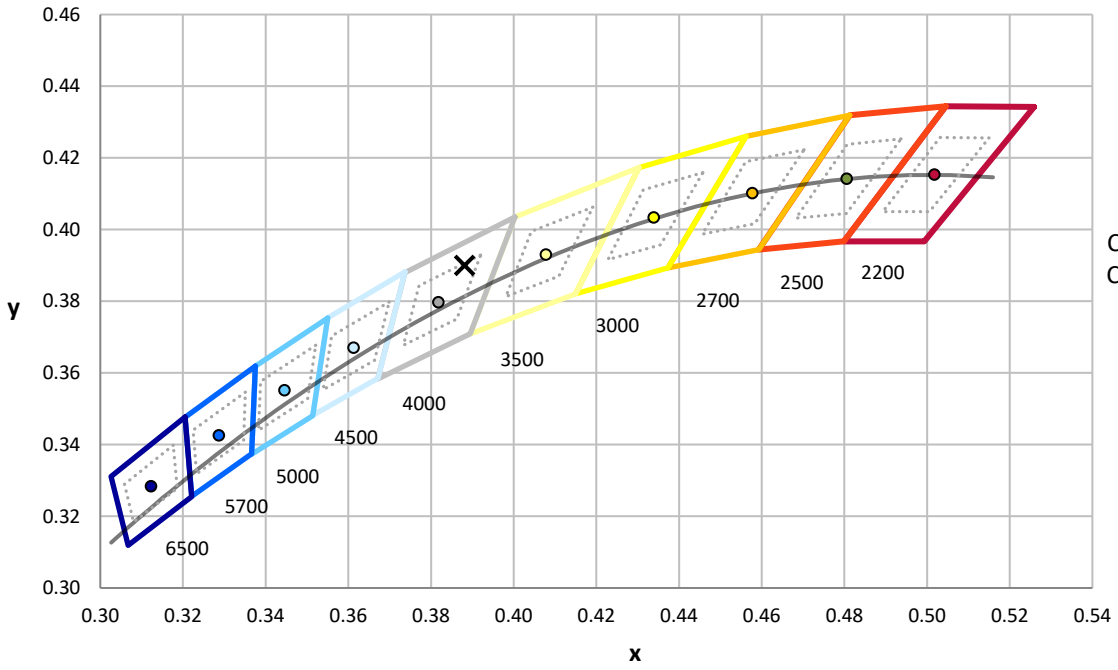
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

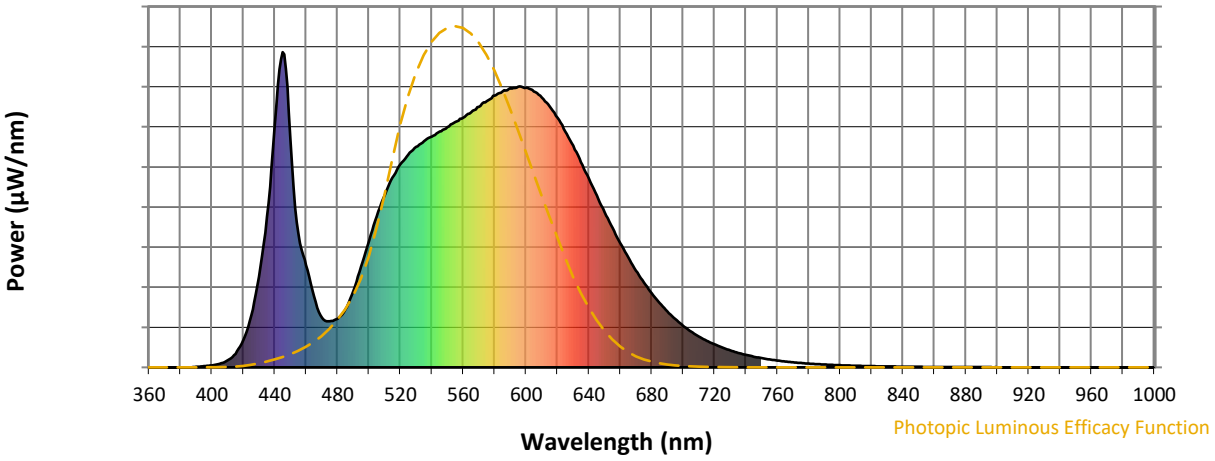


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

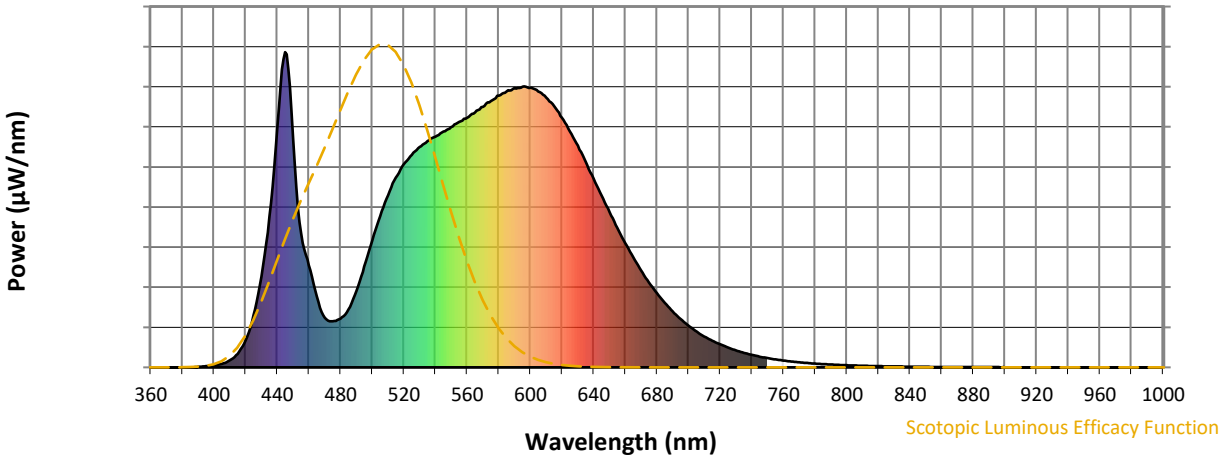


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

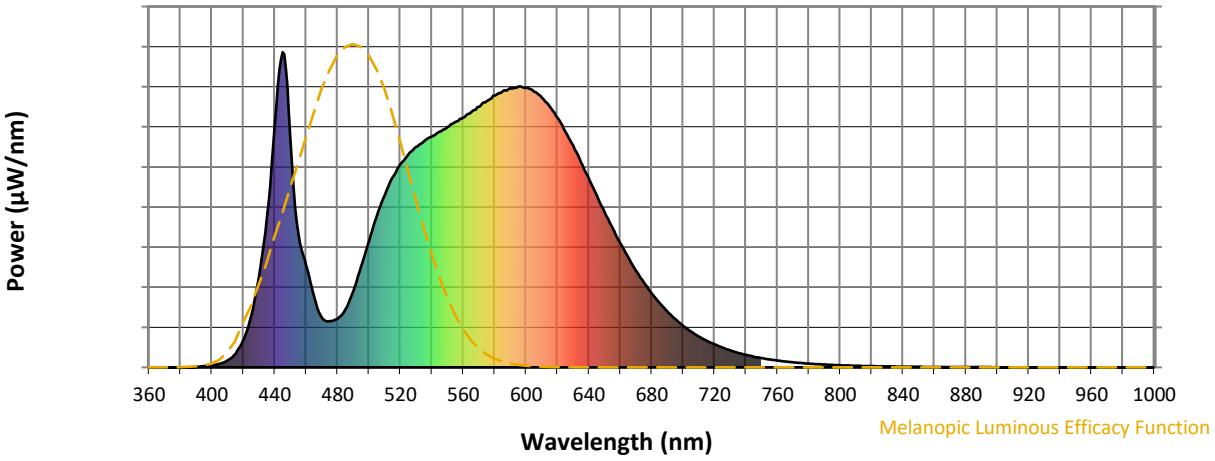


Scotopic Lumens: NR **S/P: 1.57**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

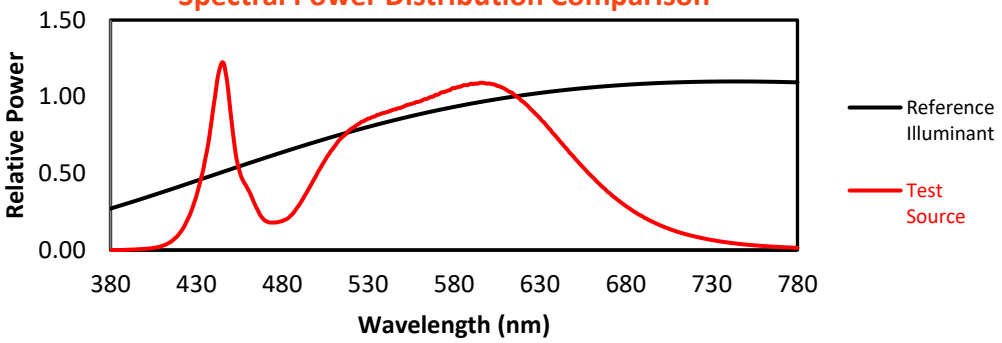
REPORT NUMBER: SP1-2407-184-11

TM-30-18

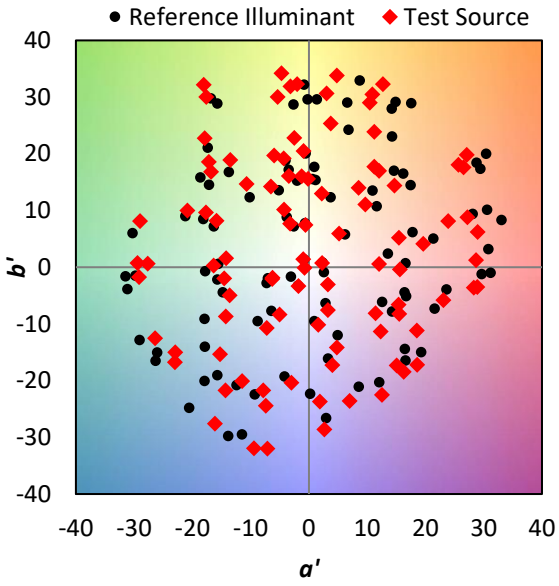
Summary

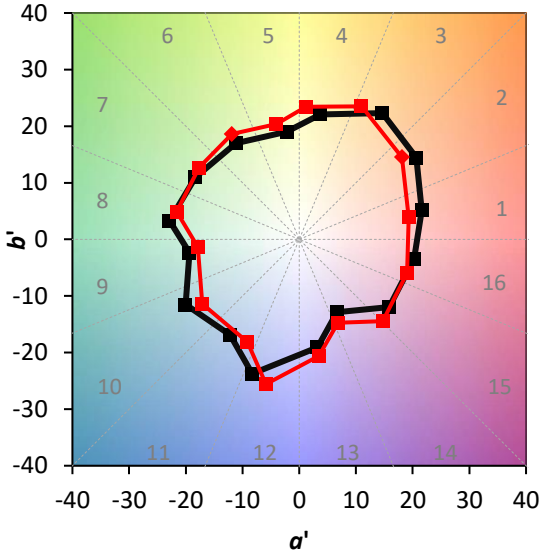
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

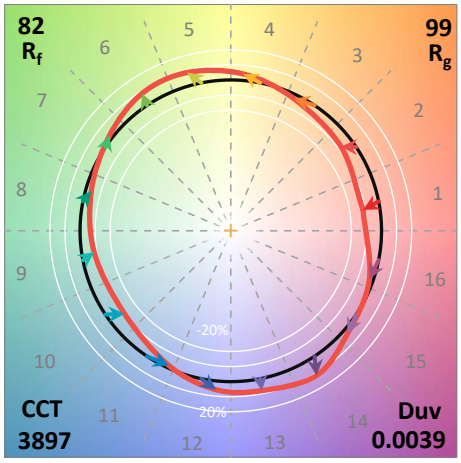
Spectral Power Distribution Comparison

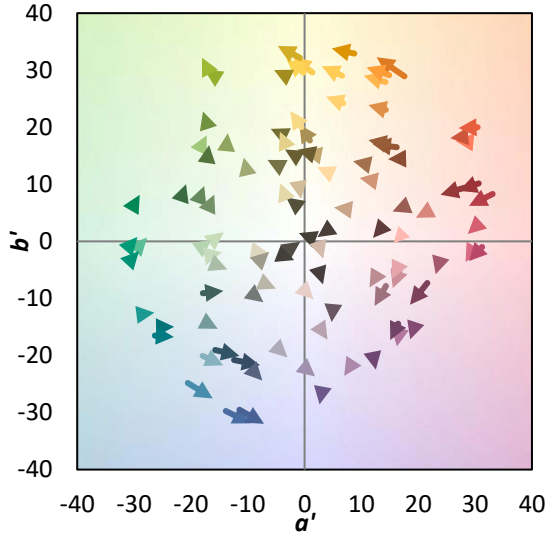


Color Vector Graphics







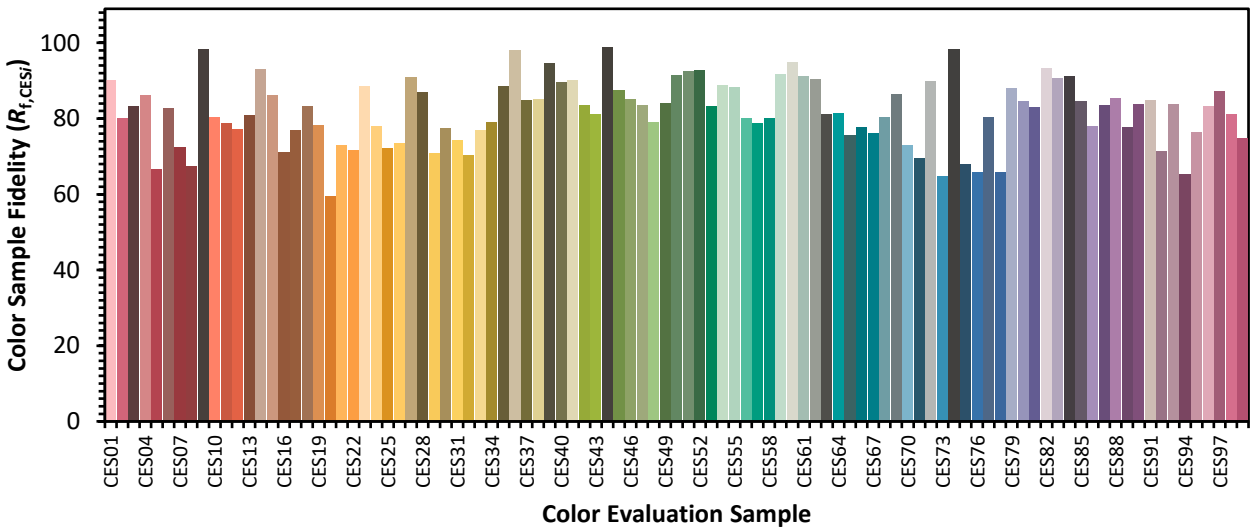


REPORT NUMBER: SP1-2407-184-11

TM-30-18

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

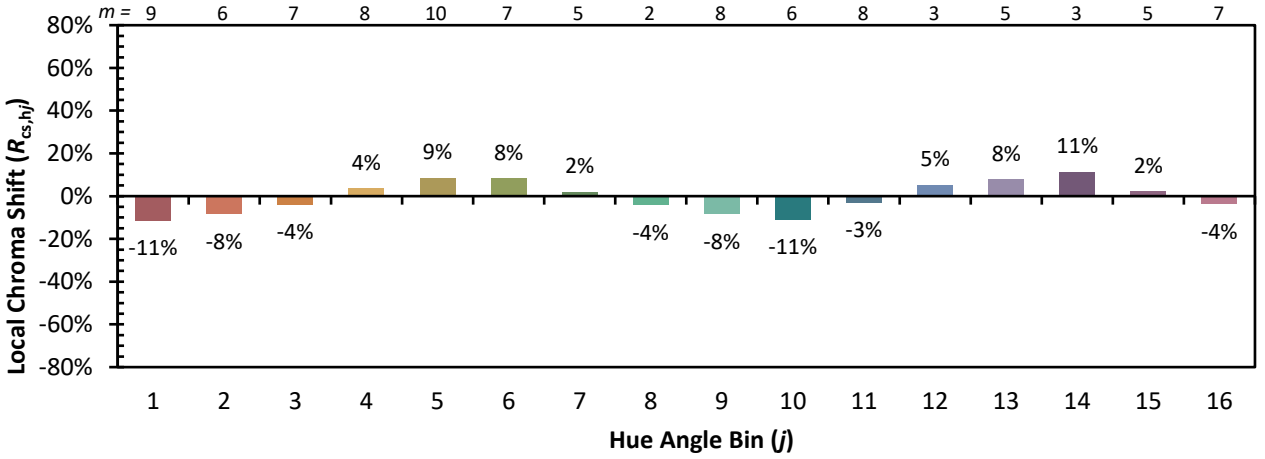
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82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

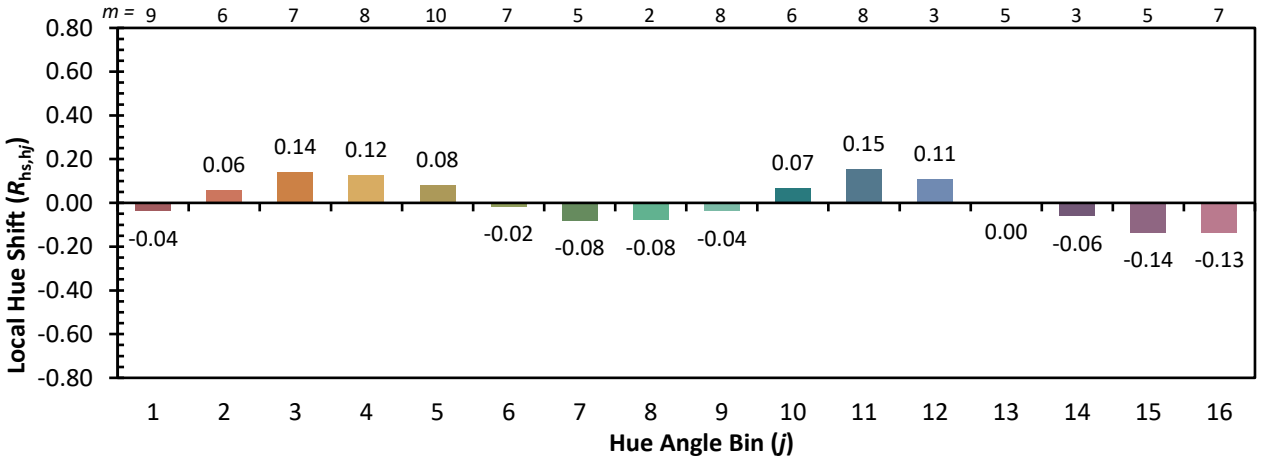


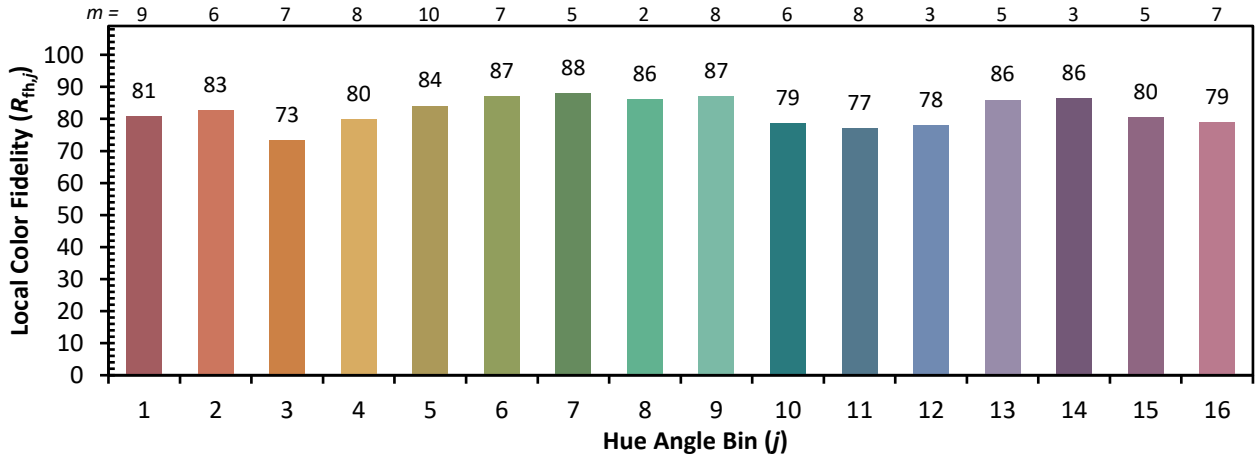
REPORT NUMBER: SP1-2407-184-11

TM-30-18

Color Rendition by Hue-Angle Bin



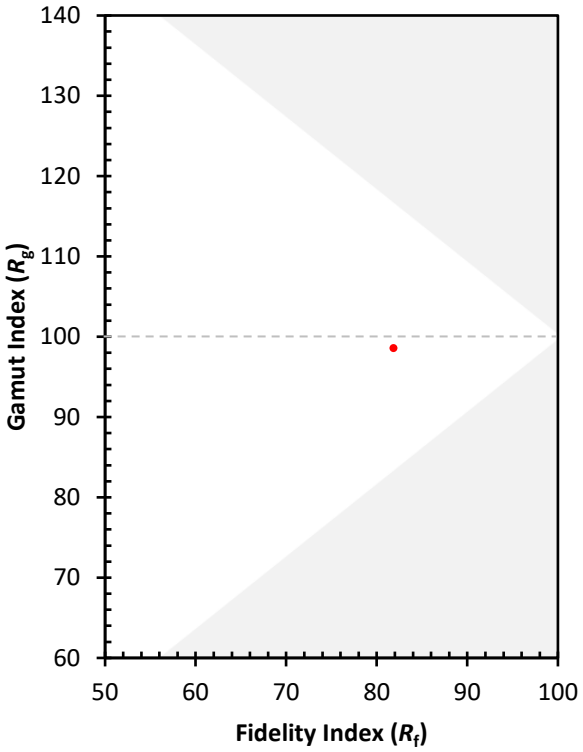


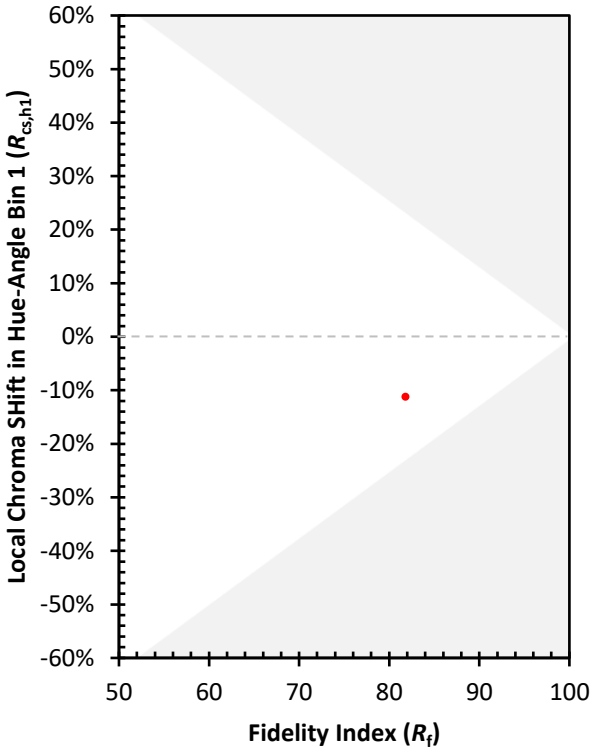


REPORT NUMBER: SP1-2407-184-11

TM-30-18

Measure Comparisons





(END OF REPORT)