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: P1501832

Luminaire Tested: GSS-SB1D-750-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501832
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7980.8 lumens
Efficiency:	N/A
Efficacy:	105.0 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

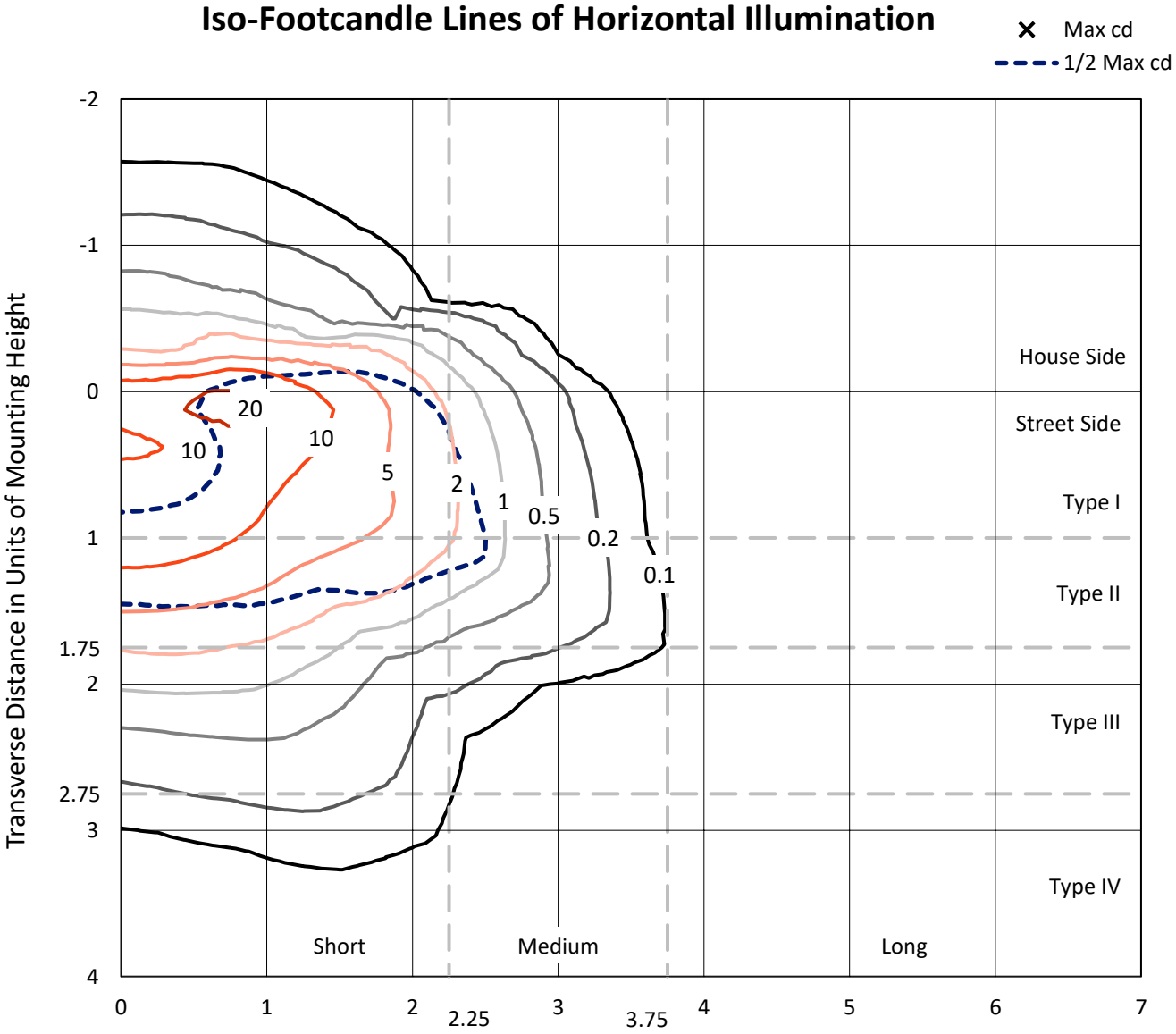
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



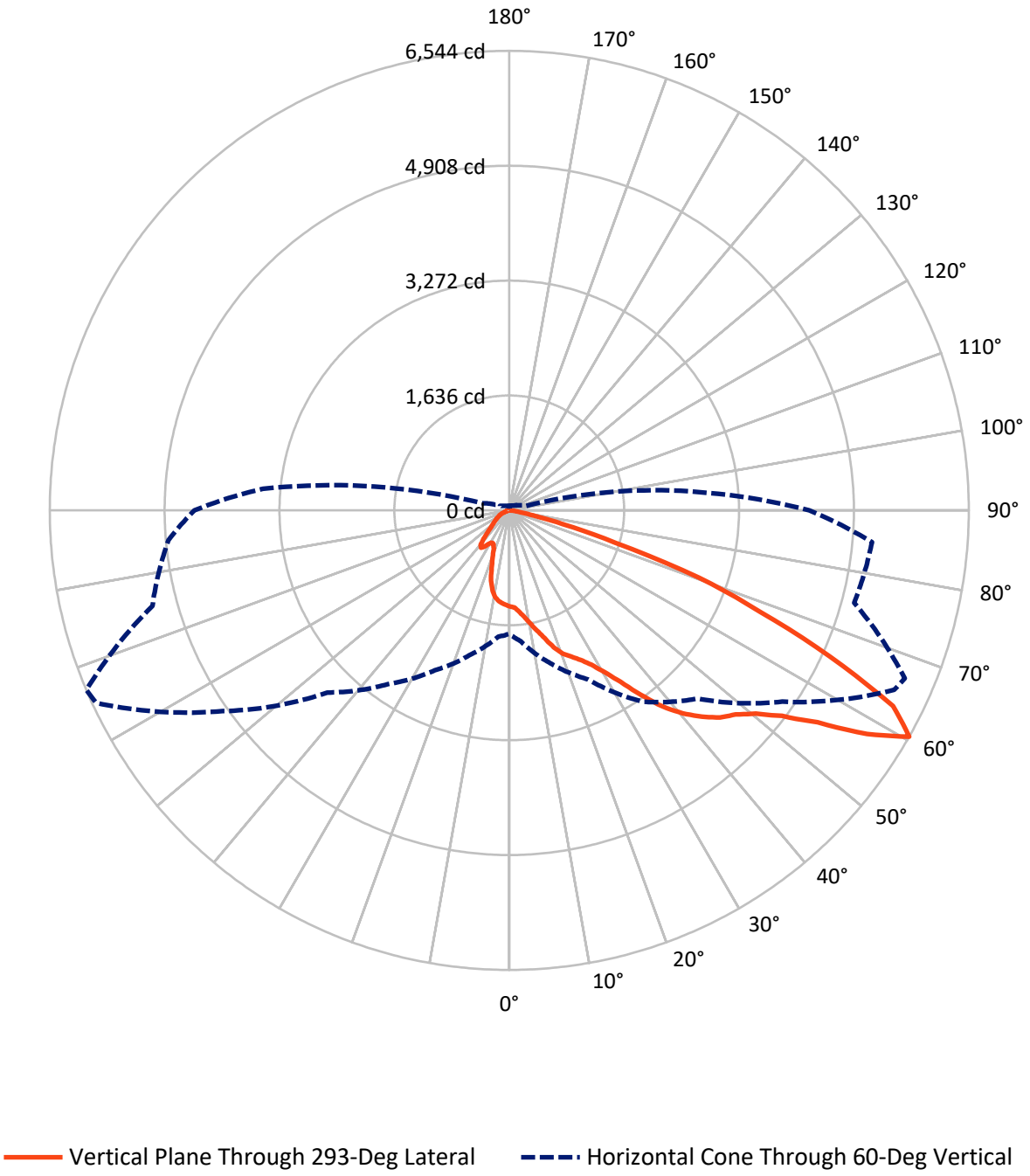
Based on 10 foot mounting height. Maximum calculated value = 22.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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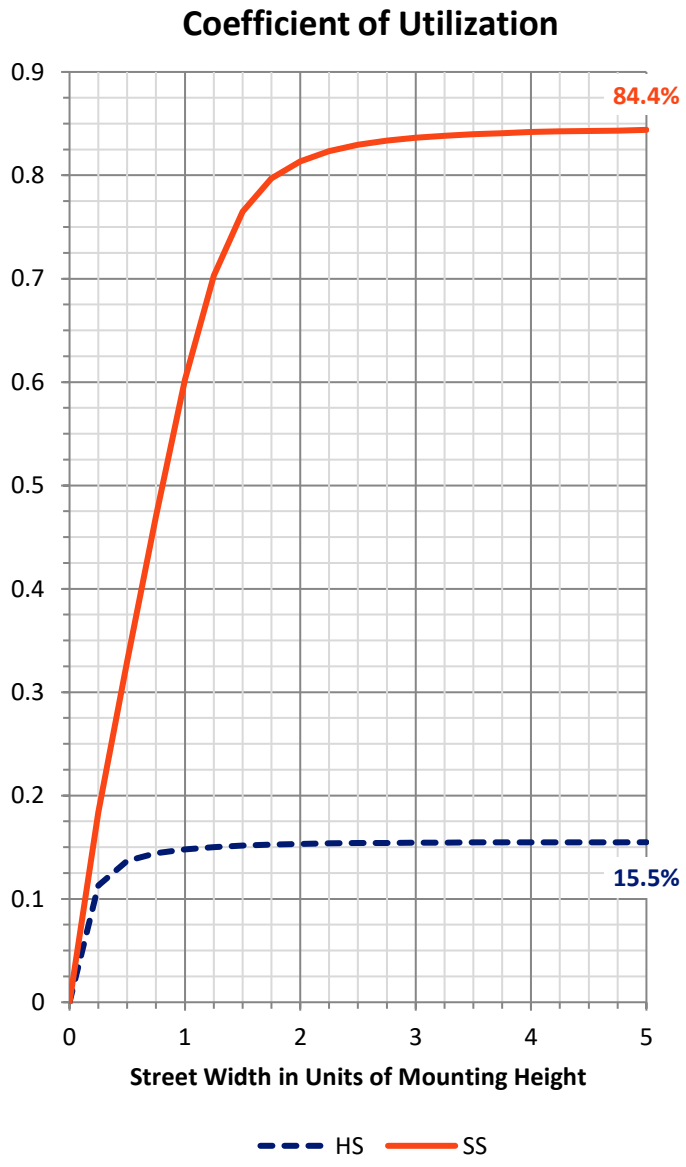
REPORT NUMBER: P1501832
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1245.2	0.0	1245.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	6735.6	0.0	6735.6
	% Fixture	84.4	0.0	84.4
Total	Lumens	7980.8	0.0	7980.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	1.6
10°-20°	311.9	3.9
20°-30°	582.3	7.3
30°-40°	1154.8	14.5
40°-50°	1841.2	23.1
50°-60°	2199.7	27.6
60°-70°	1442.0	18.1
70°-80°	302.1	3.8
80°-90°	22.9	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°	7980.8	100.0
0°-180°	7980.8	100.0



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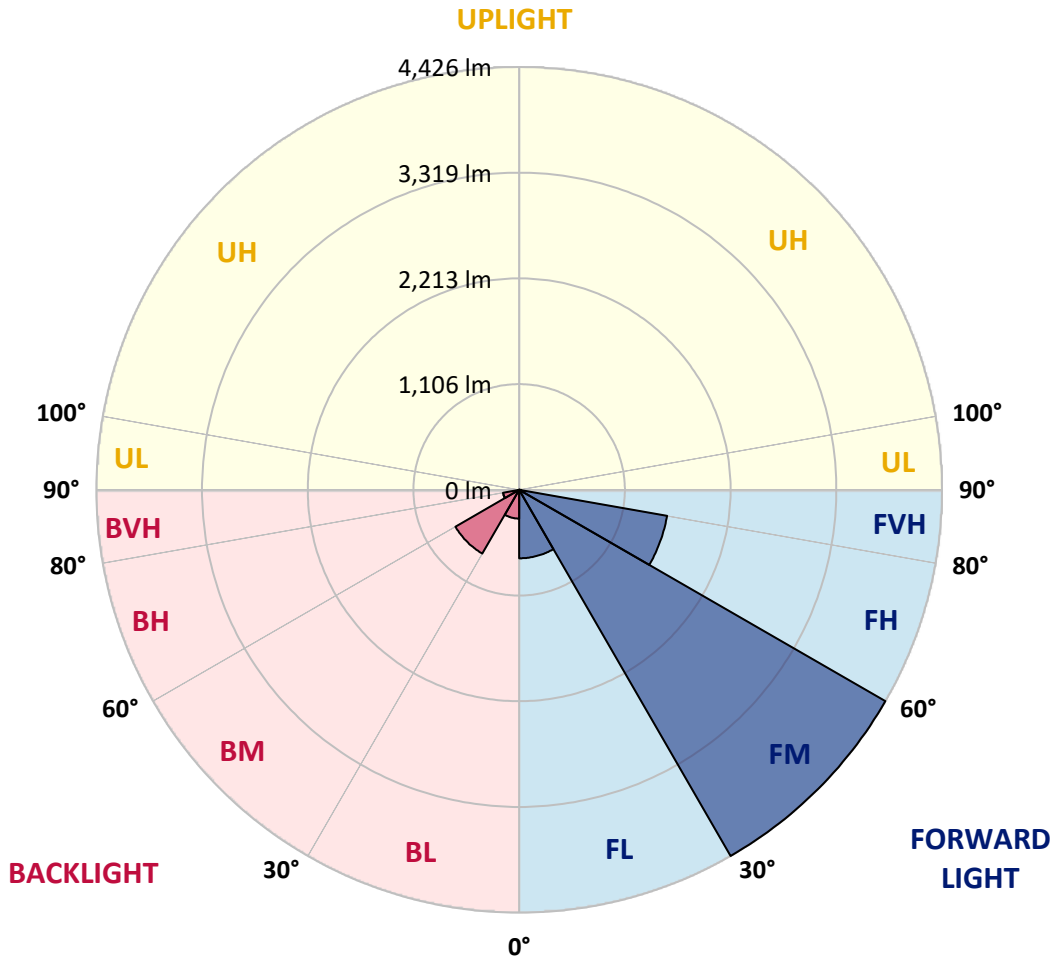
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	716.8	9.0			
FM	(30°-60°)	4425.7	55.5			
FH	(60°-80°)	1572.2	19.7			G1/1800
FVH	(80°-90°)	20.9	0.3			G1/100
BL	(0°-30°)	301.3	3.8	B1/500		
BM	(30°-60°)	770.0	9.6	B1/1000		
BH	(60°-80°)	172.0	2.2	B1/500		G1/500
BVH	(80°-90°)	1.9	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8
2.5°	1437.1	1432.6	1425.9	1428.2	1425.9	1417.0	1403.6	1392.4	1401.4	1387.9	1379.0
5°	1479.6	1479.6	1475.1	1475.1	1477.3	1472.9	1463.9	1448.3	1450.5	1439.3	1410.3
7.5°	1479.6	1472.9	1484.0	1495.2	1515.3	1526.5	1531.0	1522.0	1526.5	1504.2	1466.2
10°	1392.4	1387.9	1417.0	1459.5	1517.6	1569.0	1602.5	1604.7	1611.4	1589.1	1544.4
12.5°	1206.9	1198.0	1256.1	1336.5	1455.0	1573.4	1667.3	1703.1	1718.7	1709.8	1647.2
15°	1034.8	1046.0	1086.2	1173.4	1332.1	1513.1	1703.1	1821.5	1843.9	1855.1	1781.3
17.5°	1016.9	1019.2	1032.6	1075.0	1195.7	1414.8	1707.5	1944.5	1975.8	2024.9	1924.3
20°	1066.1	1061.6	1075.0	1088.5	1146.6	1327.6	1665.1	2062.9	2123.3	2228.3	2118.8
22.5°	1157.7	1157.7	1164.4	1173.4	1202.4	1320.9	1647.2	2172.4	2275.2	2489.8	2362.4
25°	1312.0	1294.1	1298.5	1287.4	1312.0	1401.4	1687.4	2259.6	2400.4	2780.4	2653.0
27.5°	1551.1	1557.8	1517.6	1457.2	1470.6	1546.6	1785.8	2357.9	2530.0	3082.1	2948.0
30°	1881.9	1870.7	1846.1	1727.7	1674.0	1741.1	1966.8	2518.9	2704.4	3464.3	3341.3
32.5°	2141.1	2172.4	2130.0	2047.3	1964.6	1984.7	2221.6	2778.1	2916.7	3815.2	3748.1
35°	2454.0	2454.0	2463.0	2346.8	2290.9	2286.4	2541.2	3059.7	3198.3	4132.5	4179.5
37.5°	2876.5	2847.4	2798.2	2668.6	2626.1	2682.0	2840.7	3350.3	3500.0	4389.6	4514.7
40°	3231.8	3251.9	3245.2	3057.5	2974.8	3035.1	3176.0	3598.4	3714.6	4555.0	4785.2
42.5°	3580.5	3591.7	3562.6	3473.2	3352.5	3357.0	3473.2	3786.1	3904.6	4713.6	5040.0
45°	3842.0	3839.7	3819.6	3797.3	3725.8	3652.0	3672.1	3994.0	4096.8	4765.0	5178.5
47.5°	3924.7	3942.6	3960.4	4023.0	4072.2	3956.0	3853.2	4105.7	4199.6	4756.1	5229.9
50°	3848.7	3886.7	3973.9	4067.7	4235.3	4226.4	4005.1	4226.4	4318.0	4805.3	5290.3
52.5°	3678.8	3716.8	3833.0	4002.9	4255.5	4380.6	4286.8	4429.8	4537.1	4930.4	5415.4
55°	3283.2	3298.9	3538.0	3761.5	4154.9	4313.6	4588.5	4774.0	4863.4	5082.4	5580.8
57.5°	2673.1	2711.1	2945.7	3310.1	3873.3	4137.0	4760.6	5361.8	5359.6	5227.7	5616.6
60°	*1759.0*	*1870.7*	*2252.9*	*2655.2*	*3327.9*	*3790.6*	*4749.4*	*6050.2*	*6119.5*	*5084.7*	*5185.2*
62.5°	1343.2	1390.2	1607.0	1942.2	2463.0	3142.4	4675.6	6255.8	6309.4	4700.2	4539.3
65°	1010.2	1068.3	1276.2	1575.7	1738.8	2130.0	4192.9	5437.8	5511.5	4195.1	3529.1
67.5°	619.1	666.0	943.2	1294.1	1316.4	1323.1	2829.5	4119.1	4145.9	3383.8	2375.8
70°	413.5	460.4	652.6	994.6	1048.2	762.1	1553.3	3117.8	3115.6	2315.5	1443.8
72.5°	239.1	261.5	413.5	733.1	824.7	485.0	775.5	1982.5	1895.3	1088.5	675.0
75°	136.3	152.0	228.0	471.6	578.9	308.4	306.2	1061.6	938.7	561.0	368.8
77.5°	82.7	89.4	125.2	308.4	348.7	207.9	169.9	493.9	476.1	328.5	194.4
80°	40.2	46.9	76.0	181.0	223.5	111.8	102.8	194.4	207.9	181.0	102.8
82.5°	13.4	17.9	42.5	69.3	145.3	44.7	42.5	107.3	114.0	107.3	49.2
85°	6.7	8.9	20.1	22.4	55.9	22.4	15.6	46.9	58.1	35.8	20.1
87.5°	0.0	2.2	2.2	2.2	2.2	2.2	2.2	4.5	4.5	4.5	4.5
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°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8
2.5°	1372.3	1367.8	1358.9	1343.2	1341.0	1329.8	1312.0	1300.8	1291.8	1298.5	1300.8
5°	1396.9	1385.7	1358.9	1316.4	1271.7	1227.0	1184.6	1135.4	1101.9	1097.4	1088.5
7.5°	1441.6	1419.2	1361.1	1278.4	1164.4	1057.2	932.0	811.3	751.0	742.0	721.9
10°	1513.1	1475.1	1379.0	1211.4	992.3	768.8	578.9	449.2	375.5	362.1	366.5
12.5°	1598.0	1544.4	1381.2	1097.4	755.4	476.1	328.5	279.4	263.7	257.0	257.0
15°	1707.5	1629.3	1379.0	949.9	509.6	306.2	263.7	243.6	236.9	232.4	232.4
17.5°	1846.1	1743.3	1363.4	728.6	344.2	266.0	241.4	225.7	216.8	214.6	214.6
20°	2009.3	1870.7	1327.6	543.1	288.3	248.1	228.0	207.9	201.2	196.7	196.7
22.5°	2217.1	2024.9	1258.3	422.4	272.7	236.9	214.6	192.2	185.5	181.0	181.0
25°	2458.5	2221.6	1166.7	380.0	270.4	228.0	201.2	178.8	172.1	169.9	167.6
27.5°	2744.6	2431.7	1081.7	382.2	274.9	221.3	187.7	167.6	160.9	154.2	156.5
30°	3082.1	2648.5	1012.5	409.0	279.4	214.6	178.8	160.9	154.2	145.3	145.3
32.5°	3415.1	2903.3	1005.8	458.2	295.0	210.1	169.9	152.0	145.3	138.6	138.6
35°	3757.1	3135.7	1043.8	523.0	326.3	203.4	158.7	143.0	136.3	131.9	129.6
37.5°	4083.4	3321.2	1079.5	563.2	308.4	174.3	145.3	131.9	125.2	116.2	116.2
40°	4300.2	3421.8	1086.2	531.9	254.8	156.5	131.9	118.5	109.5	105.0	102.8
42.5°	4458.8	3486.6	1010.2	431.4	221.3	143.0	120.7	107.3	100.6	96.1	96.1
45°	4523.7	3464.3	880.6	328.5	203.4	131.9	109.5	98.3	93.9	89.4	89.4
47.5°	4514.7	3361.5	748.7	263.7	185.5	120.7	102.8	93.9	89.4	84.9	82.7
50°	4499.1	3265.4	614.6	234.7	165.4	114.0	96.1	89.4	82.7	78.2	76.0
52.5°	4601.9	3234.1	509.6	214.6	154.2	109.5	93.9	84.9	78.2	73.8	73.8
55°	4704.7	3247.5	400.1	201.2	143.0	107.3	91.6	82.7	76.0	69.3	69.3
57.5°	4698.0	3189.4	304.0	187.7	134.1	105.0	89.4	80.5	69.3	64.8	64.8
60°	*4271.1*	*2845.2*	*236.9*	*172.1*	*122.9*	*98.3*	*82.7*	*76.0*	*64.8*	*58.1*	*58.1*
62.5°	3611.8	2237.2	194.4	152.0	109.5	89.4	76.0	69.3	58.1	46.9	46.9
65°	2668.6	1613.7	156.5	131.9	100.6	78.2	69.3	60.3	46.9	38.0	35.8
67.5°	1805.9	992.3	125.2	109.5	89.4	67.1	58.1	51.4	42.5	31.3	29.1
70°	1070.6	527.5	91.6	76.0	67.1	49.2	49.2	44.7	35.8	26.8	24.6
72.5°	509.6	183.3	67.1	55.9	51.4	35.8	38.0	38.0	29.1	20.1	17.9
75°	259.3	89.4	44.7	40.2	33.5	26.8	31.3	29.1	20.1	13.4	13.4
77.5°	147.5	62.6	31.3	26.8	22.4	17.9	20.1	17.9	11.2	6.7	6.7
80°	82.7	44.7	20.1	17.9	13.4	11.2	11.2	8.9	6.7	2.2	2.2
82.5°	31.3	26.8	13.4	8.9	6.7	6.7	4.5	4.5	2.2	0.0	0.0
85°	13.4	6.7	6.7	4.5	4.5	2.2	2.2	2.2	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8
2.5°	1282.9	1287.4	1291.8	1309.7	1314.2	1327.6	1338.8	1352.2	1354.4	1372.3	1372.3
5°	1106.3	1104.1	1142.1	1198.0	1233.7	1282.9	1320.9	1361.1	1383.5	1412.5	1425.9
7.5°	733.1	789.0	873.9	972.2	1099.6	1218.1	1307.5	1385.7	1439.3	1472.9	1486.3
10°	364.3	395.6	485.0	645.9	862.7	1104.1	1294.1	1439.3	1526.5	1564.5	1589.1
12.5°	257.0	263.7	279.4	366.5	574.4	916.4	1251.6	1497.5	1618.1	1689.7	1721.0
15°	230.2	234.7	241.4	266.0	355.4	683.9	1175.6	1562.3	1761.2	1843.9	1884.1
17.5°	212.3	214.6	221.3	241.4	279.4	464.9	1052.7	1631.6	1933.3	2033.9	2109.9
20°	196.7	196.7	203.4	228.0	259.3	357.6	876.1	1709.8	2152.3	2297.6	2373.6
22.5°	178.8	183.3	187.7	214.6	252.6	326.3	710.7	1770.1	2395.9	2572.5	2661.9
25°	165.4	169.9	174.3	201.2	245.9	326.3	614.6	1808.1	2668.6	2878.7	3001.6
27.5°	154.2	158.7	165.4	192.2	239.1	339.7	576.6	1819.3	2965.9	3238.5	3403.9
30°	145.3	149.7	156.5	185.5	243.6	355.4	590.0	1803.7	3267.6	3609.5	3806.2
32.5°	136.3	140.8	147.5	178.8	243.6	375.5	634.7	1772.4	3560.4	3980.6	4221.9
35°	129.6	131.9	134.1	160.9	221.3	373.2	690.6	1741.1	3855.4	4347.1	4628.7
37.5°	116.2	118.5	122.9	138.6	176.6	339.7	701.8	1703.1	4087.8	4655.5	4966.2
40°	102.8	107.3	111.8	127.4	147.5	274.9	652.6	1622.6	4210.8	4892.4	5270.2
42.5°	93.9	96.1	100.6	116.2	136.3	219.0	547.6	1481.8	4320.3	5053.4	5491.4
45°	87.2	89.4	93.9	105.0	127.4	190.0	431.4	1309.7	4329.2	5104.8	5598.7
47.5°	80.5	82.7	84.9	96.1	122.9	169.9	330.8	1153.3	4327.0	5171.8	5690.3
50°	76.0	78.2	82.7	91.6	116.2	152.0	272.7	1025.9	4420.9	5317.1	5875.8
52.5°	73.8	73.8	80.5	89.4	109.5	138.6	228.0	911.9	4470.0	5460.1	6009.9
55°	69.3	71.5	76.0	84.9	102.8	131.9	194.4	768.8	4492.4	5531.7	6034.5
57.5°	64.8	67.1	73.8	80.5	98.3	125.2	167.6	574.4	4172.8	5158.4	5623.3
60°	*58.1*	*62.6*	*71.5*	*78.2*	*91.6*	*114.0*	*147.5*	*388.9*	*3520.1*	*4483.4*	*4872.3*
62.5°	46.9	55.9	64.8	69.3	82.7	96.1	125.2	259.3	2811.6	3710.1	4152.7
65°	35.8	46.9	53.6	60.3	69.3	80.5	105.0	176.6	1875.2	2496.5	2994.9
67.5°	31.3	40.2	44.7	49.2	58.1	69.3	84.9	122.9	1137.6	1499.7	1991.4
70°	24.6	33.5	38.0	35.8	44.7	53.6	60.3	82.7	581.1	813.5	1133.2
72.5°	17.9	26.8	29.1	29.1	26.8	38.0	44.7	58.1	252.6	395.6	514.1
75°	13.4	17.9	20.1	17.9	15.6	24.6	31.3	38.0	165.4	236.9	299.5
77.5°	6.7	6.7	11.2	11.2	6.7	13.4	15.6	22.4	93.9	138.6	172.1
80°	2.2	0.0	0.0	2.2	0.0	4.5	6.7	11.2	49.2	73.8	107.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	24.6	22.4	55.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	13.4
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: P1501832
CATALOG NUMBER: GSS-SB1D-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1367.8	*1367.8*	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8	1367.8
2.5°	1383.5	*1383.5*	1392.4	1405.8	1412.5	1417.0	1419.2	1423.7	1441.6	1437.1
5°	1441.6	*1446.1*	1452.8	1466.2	1481.8	1477.3	1477.3	1477.3	1488.5	1479.6
7.5°	1517.6	*1531.0*	1533.2	1548.9	1537.7	1515.3	1501.9	1481.8	1479.6	1479.6
10°	1640.5	*1636.0*	1636.0	1615.9	1575.7	1510.9	1452.8	1412.5	1390.2	1392.4
12.5°	1772.4	*1754.5*	1756.7	1683.0	1569.0	1425.9	1307.5	1220.3	1213.6	1206.9
15°	1935.5	*1888.6*	1879.6	1709.8	1468.4	1249.4	1133.2	1063.9	1041.5	1034.8
17.5°	2168.0	*2049.5*	2007.0	1662.8	1336.5	1139.9	1052.7	1021.4	1019.2	1016.9
20°	2413.8	*2179.1*	2098.7	1593.6	1291.8	1142.1	1077.3	1068.3	1063.9	1066.1
22.5°	2699.9	*2261.8*	2159.0	1604.7	1332.1	1215.8	1164.4	1157.7	1153.3	1157.7
25°	2994.9	*2357.9*	2230.5	1694.1	1452.8	1352.2	1291.8	1278.4	1291.8	1312.0
27.5°	3292.2	*2487.6*	2371.3	1870.7	1647.2	1537.7	1479.6	1528.7	1548.9	1551.1
30°	3555.9	*2668.6*	2561.3	2118.8	1868.5	1759.0	1770.1	1832.7	1857.3	1881.9
32.5°	3797.3	*2910.0*	2827.3	2400.4	2154.6	2089.7	2083.0	2130.0	2156.8	2141.1
35°	4040.9	*3225.1*	3144.7	2706.6	2505.4	2451.8	2395.9	2487.6	2478.6	2454.0
37.5°	4271.1	*3542.5*	3468.7	3035.1	2827.3	2733.4	2724.5	2807.2	2880.9	2876.5
40°	4436.5	*3799.5*	3710.1	3361.5	3164.8	3084.3	3131.3	3274.3	3256.4	3231.8
42.5°	4588.5	*4018.6*	3938.1	3647.5	3441.9	3477.7	3520.1	3616.2	3605.1	3580.5
45°	4660.0	*4206.3*	4137.0	3864.3	3763.8	3877.7	3875.5	3911.3	3850.9	3842.0
47.5°	4760.6	*4340.4*	4268.9	4058.8	4148.2	4195.1	4063.3	4025.3	3969.4	3924.7
50°	4946.1	*4548.2*	4476.7	4353.8	4429.8	4284.5	4123.6	4040.9	3926.9	3848.7
52.5°	5162.9	*4863.4*	4800.8	4751.6	4539.3	4239.8	4034.2	3884.4	3745.9	3678.8
55°	5435.5	*5328.3*	5283.6	5013.1	4441.0	4056.5	3815.2	3535.8	3345.8	3283.2
57.5°	5524.9	*6009.9*	5994.3	5055.6	4166.1	3723.5	3287.7	2910.0	2713.3	2673.1
60°	*5261.2*	*6544.1*	*6488.2*	*4984.1*	*3667.7*	*3021.7*	*2512.2*	*2125.5*	*1805.9*	*1759.0*
62.5°	4923.7	*6135.1*	6115.0	4624.2	2793.8	2165.7	1877.4	1515.3	1379.0	1343.2
65°	4217.5	*5019.8*	5028.8	3710.1	1767.9	1555.6	1542.2	1204.7	1037.0	1010.2
67.5°	3247.5	*3850.9*	3788.3	2333.4	1030.3	1244.9	1231.5	880.6	637.0	619.1
70°	1897.5	*2867.5*	2766.9	1213.6	681.7	1039.3	947.6	619.1	433.6	413.5
72.5°	838.1	*1577.9*	1694.1	534.2	480.5	827.0	683.9	380.0	243.6	239.1
75°	464.9	*782.3*	818.0	232.4	337.5	587.8	413.5	212.3	138.6	136.3
77.5°	279.4	*346.4*	337.5	149.7	252.6	375.5	250.3	120.7	87.2	82.7
80°	156.5	*158.7*	134.1	109.5	149.7	210.1	140.8	76.0	40.2	40.2
82.5°	96.1	*87.2*	69.3	33.5	40.2	127.4	51.4	42.5	13.4	13.4
85°	40.2	*26.8*	17.9	6.7	15.6	33.5	17.9	20.1	6.7	6.7
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: SP1-2407-184-6

Test Date: 10/10/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

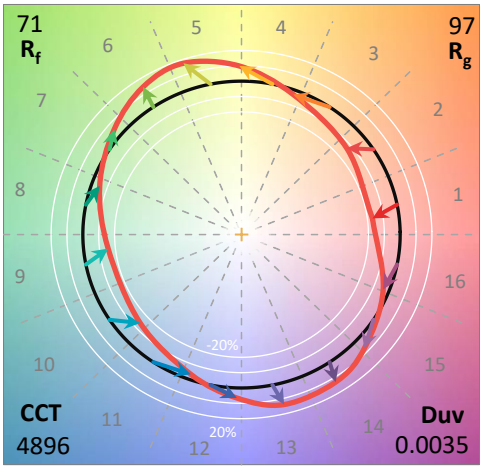
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

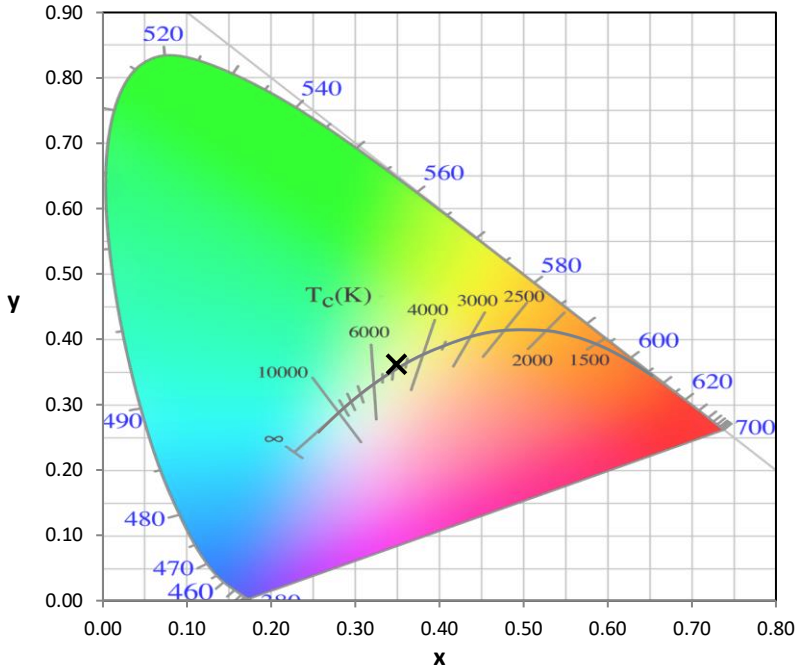
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

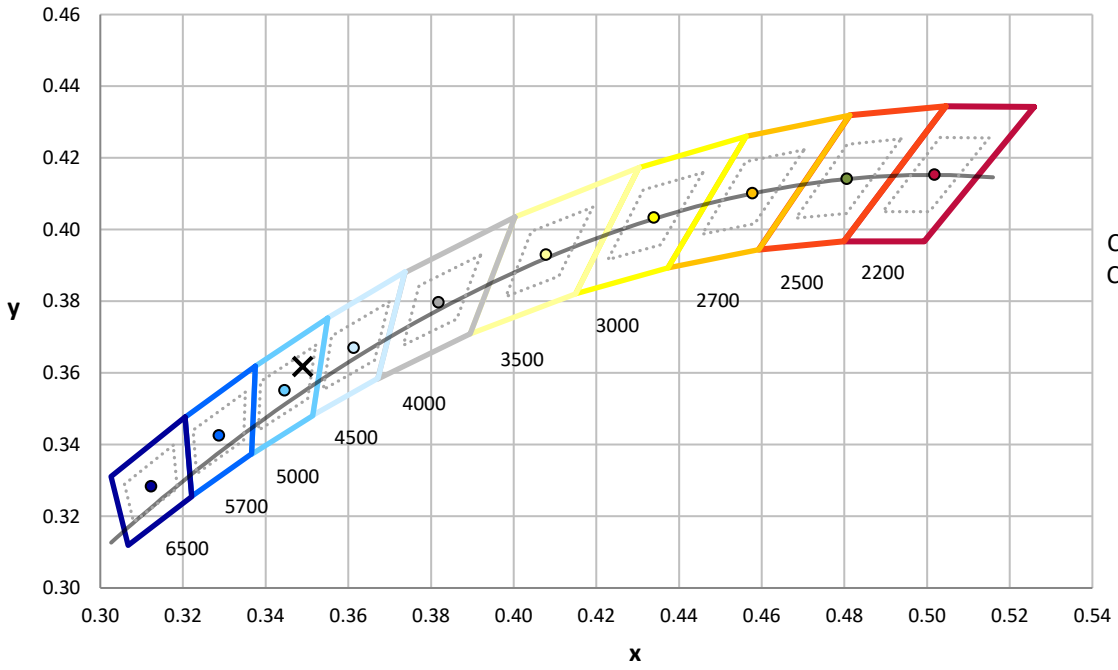
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

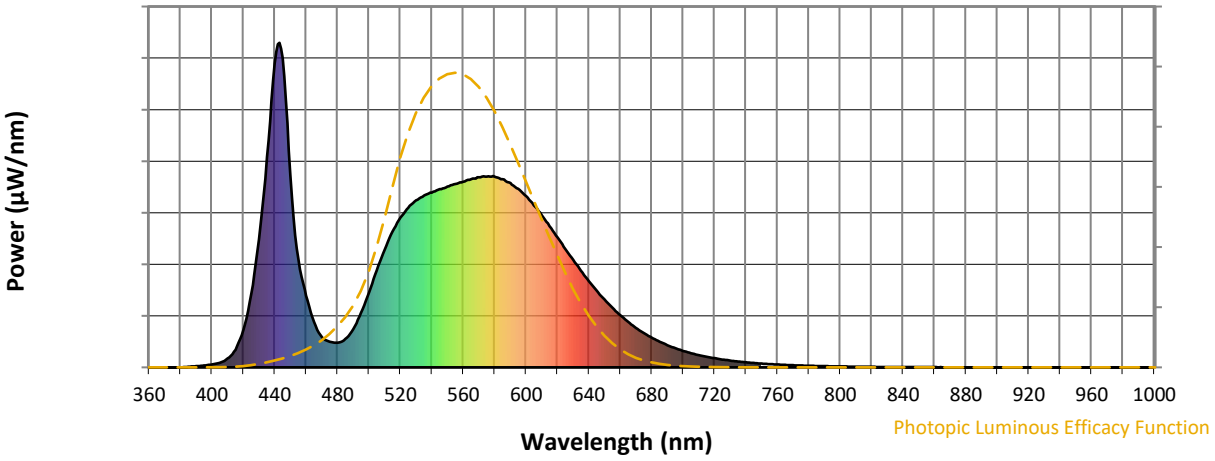


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

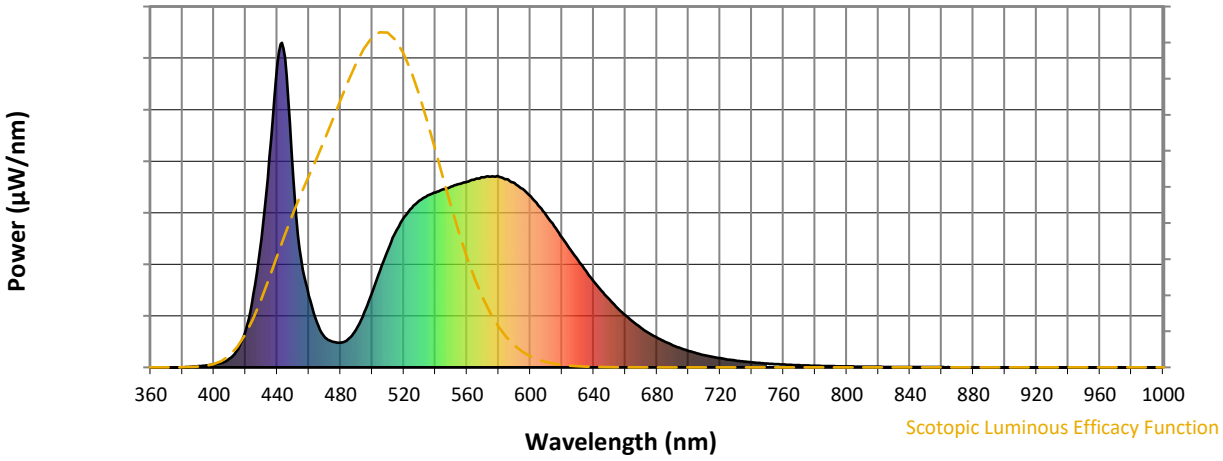


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

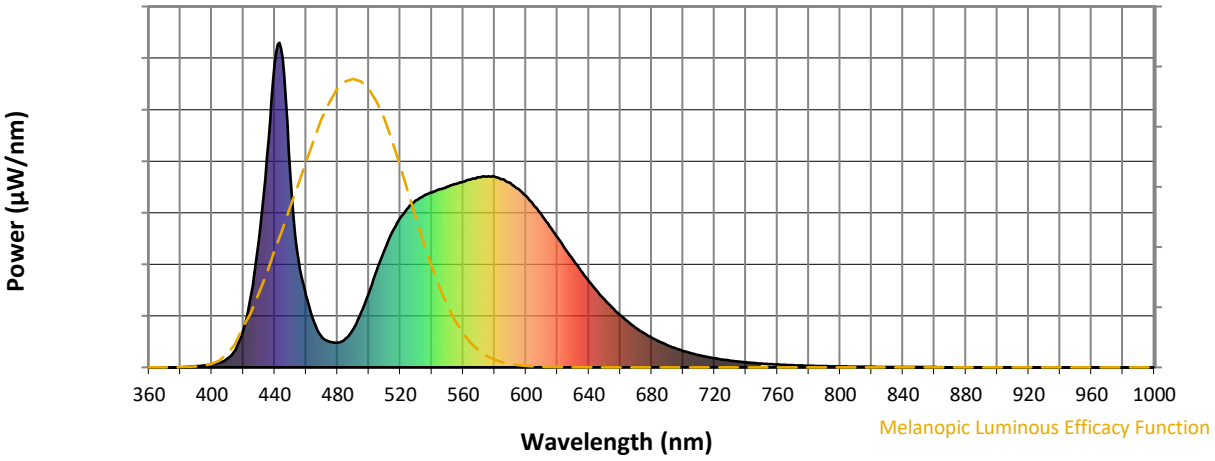


Scotopic Lumens: NR **S/P: 1.7**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



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

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

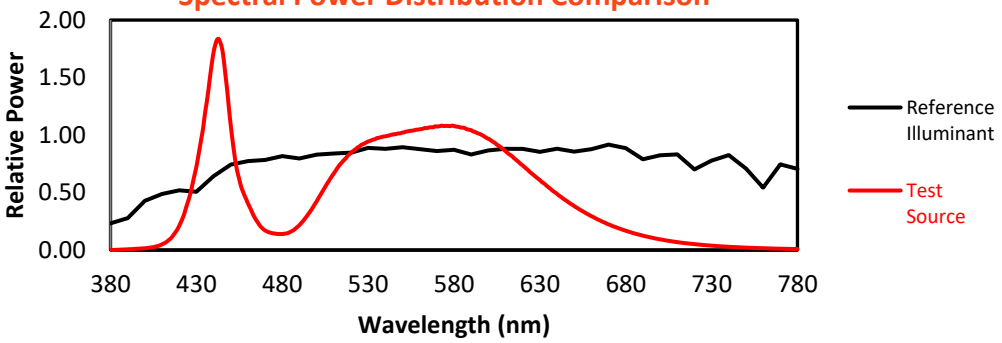
REPORT NUMBER: SP1-2407-184-6

TM-30-18

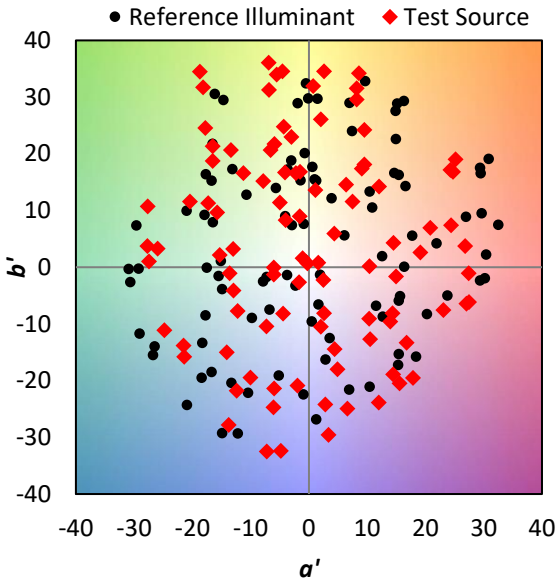
Summary

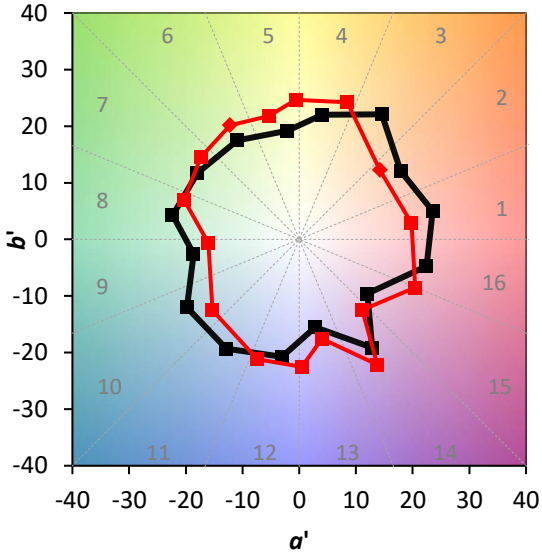
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

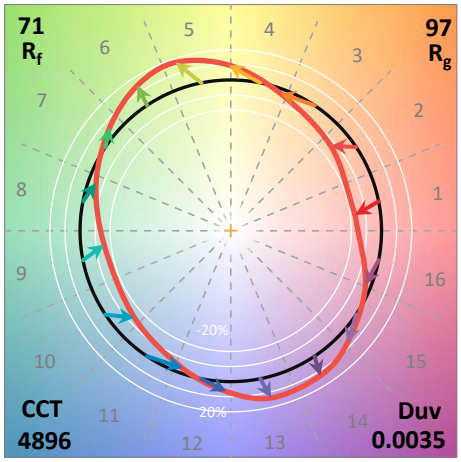
Spectral Power Distribution Comparison

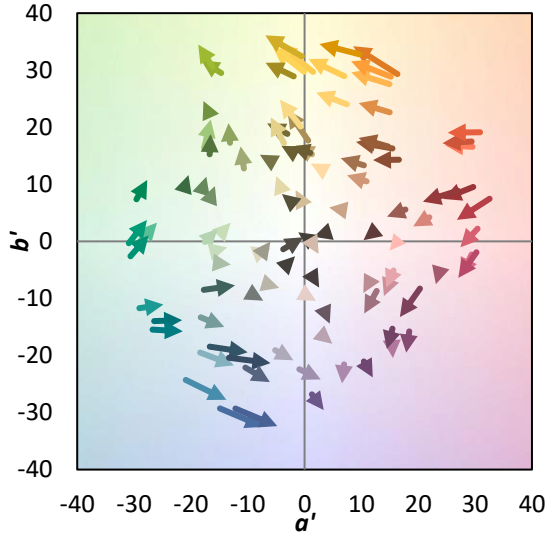


Color Vector Graphics







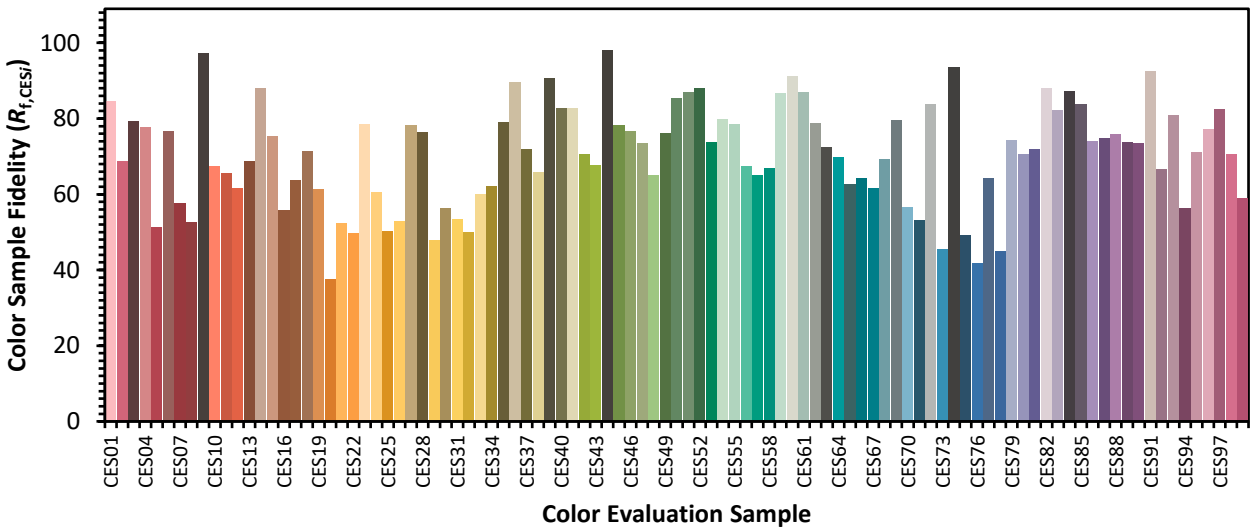


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

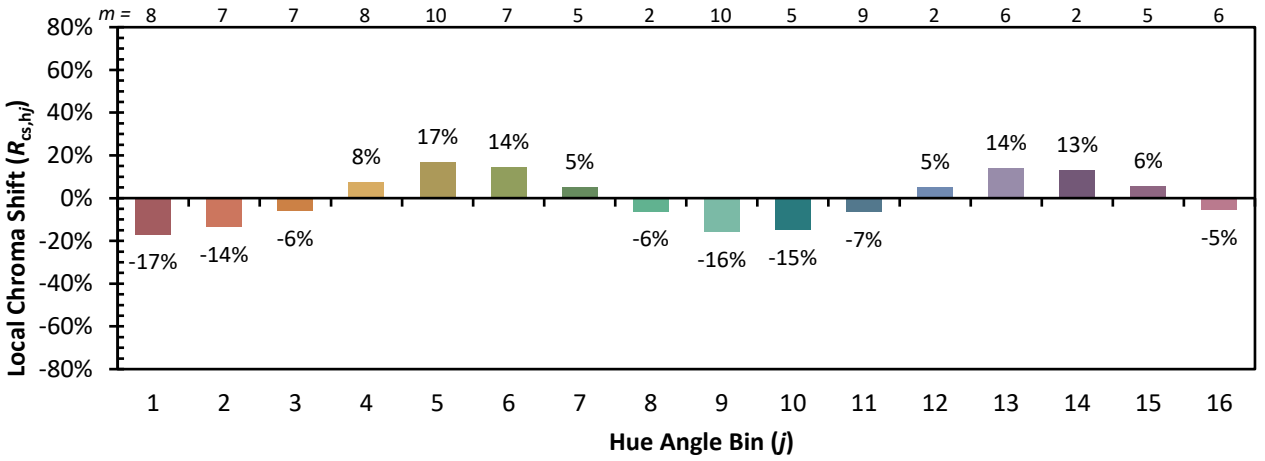
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

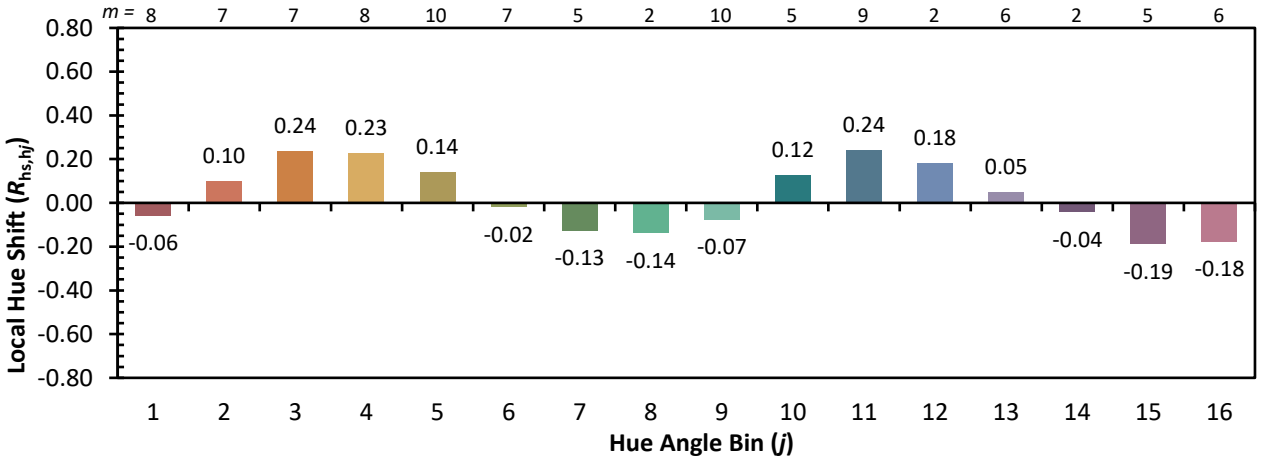


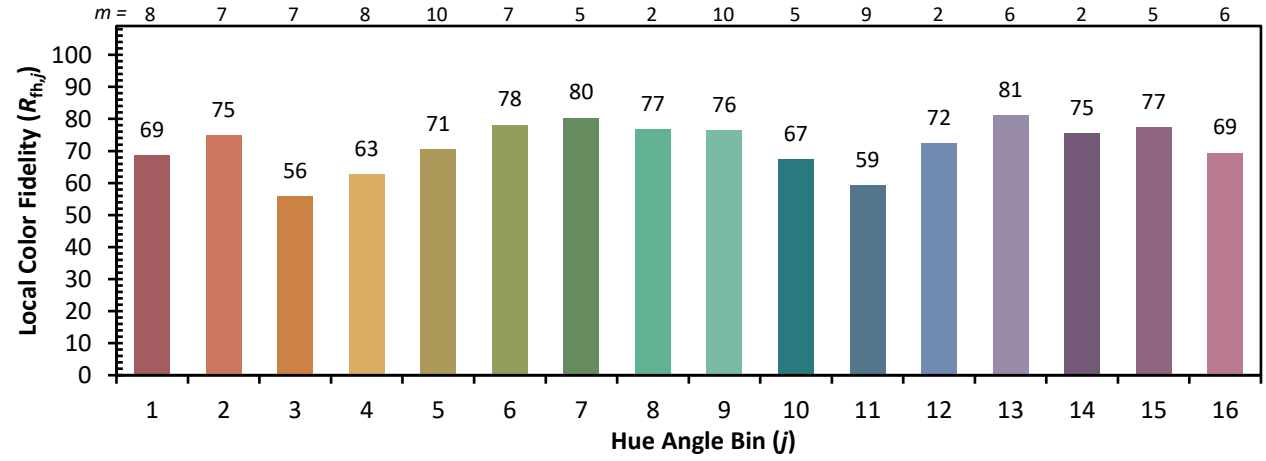
REPORT NUMBER: SP1-2407-184-6

TM-30-18

Color Rendition by Hue-Angle Bin



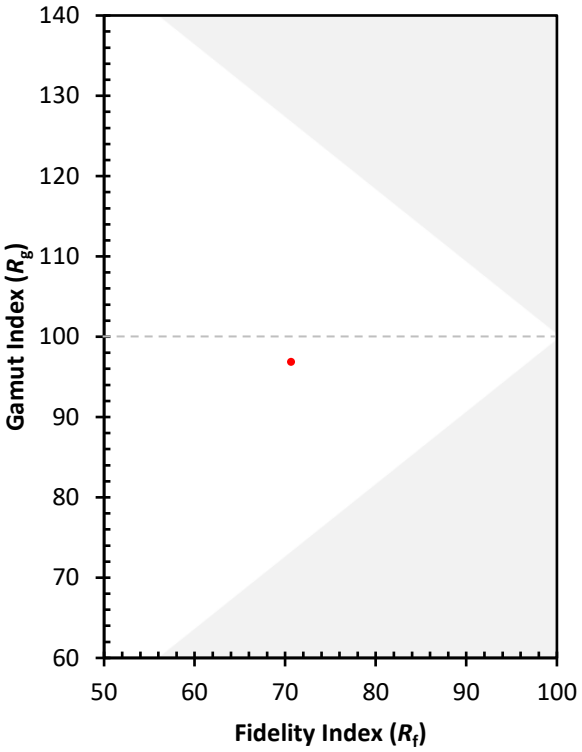


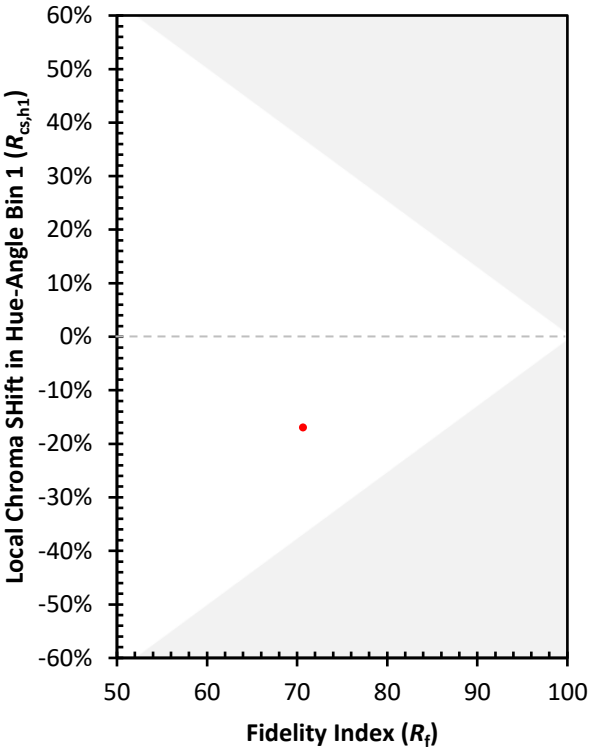


REPORT NUMBER: SP1-2407-184-6

TM-30-18

Measure Comparisons





(END OF REPORT)