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: P1501810

Luminaire Tested: GSS-SB2B-735-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501810
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8495.7 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

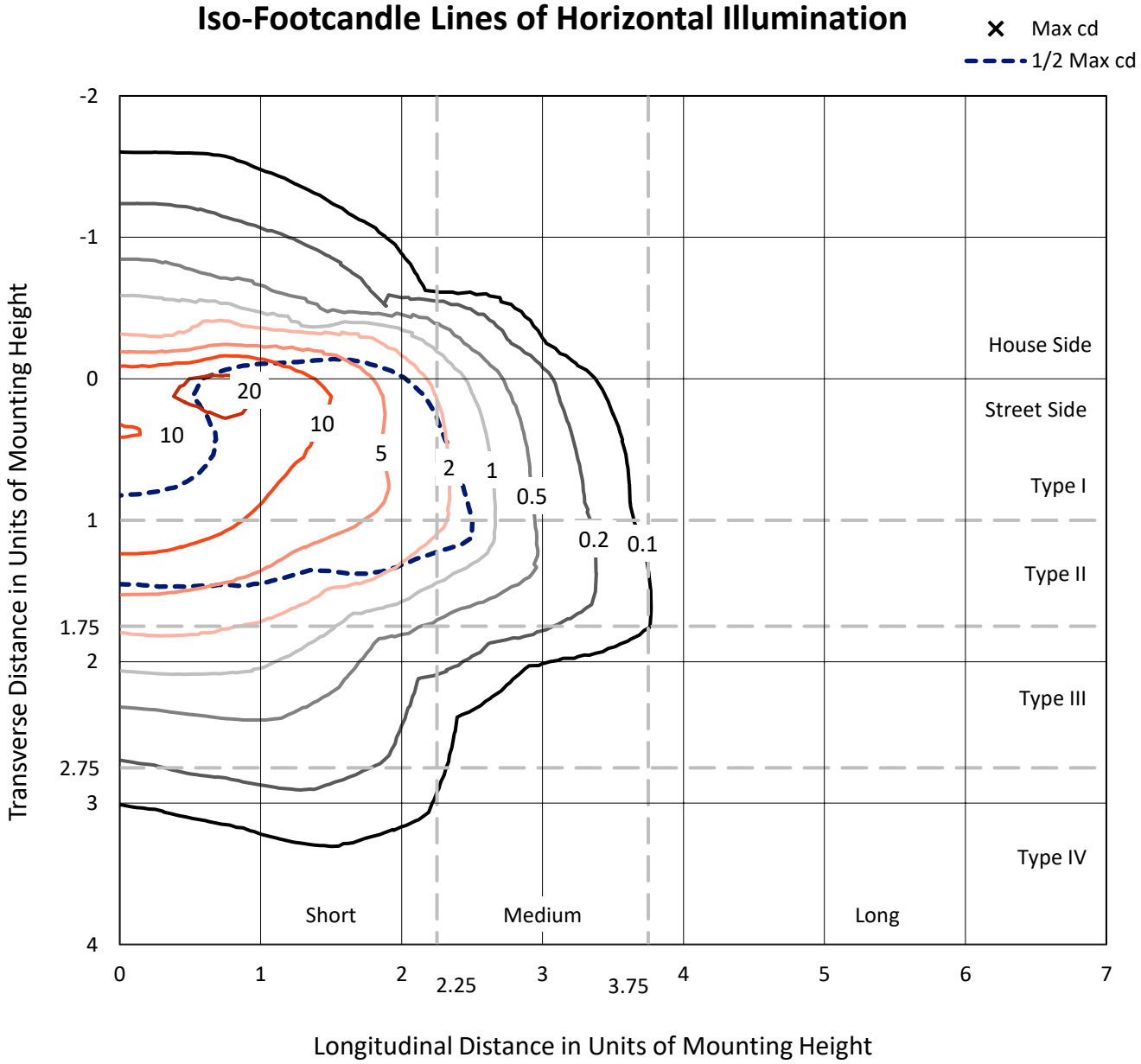
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



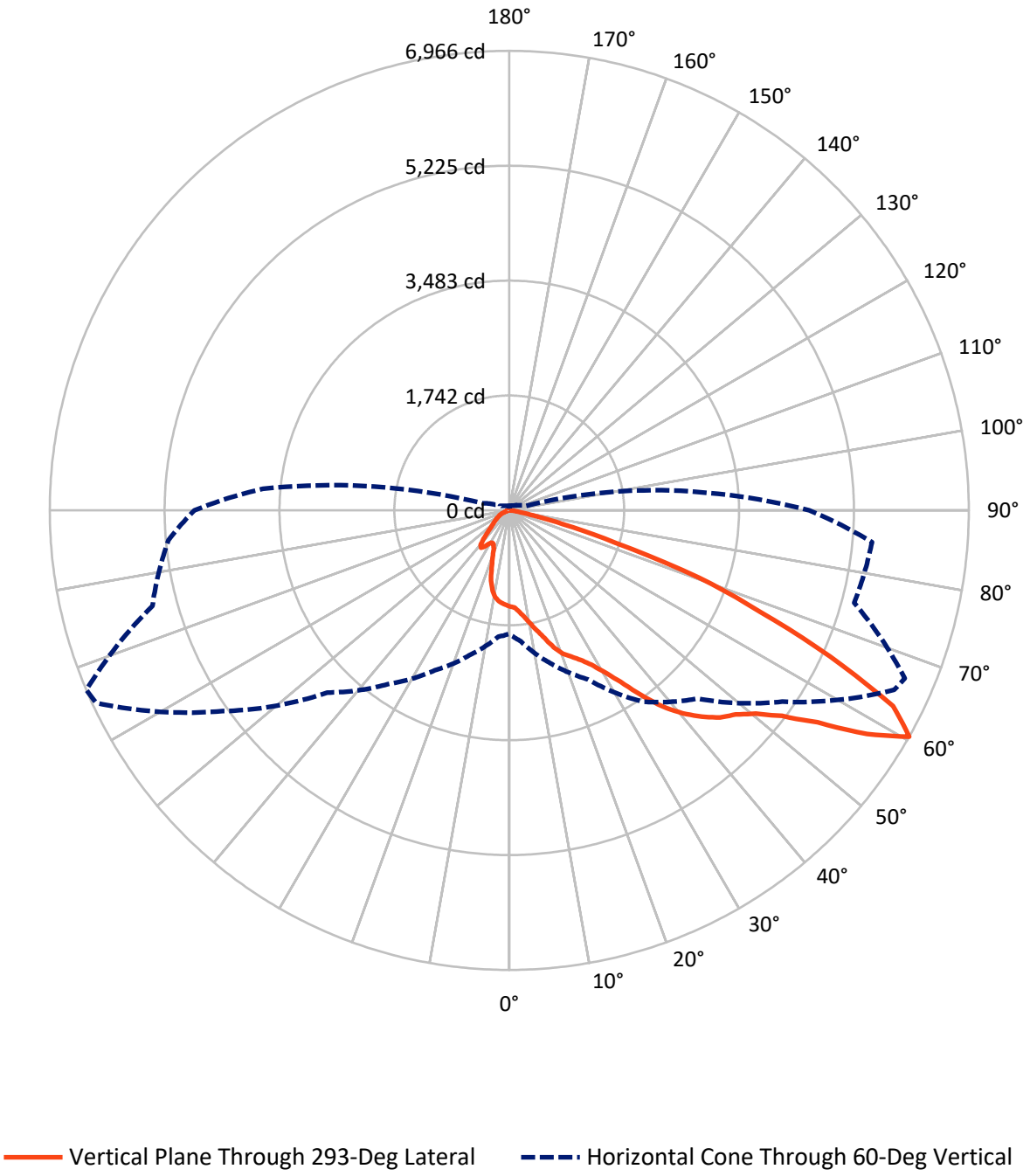
Based on 10 foot mounting height. Maximum calculated value = 24.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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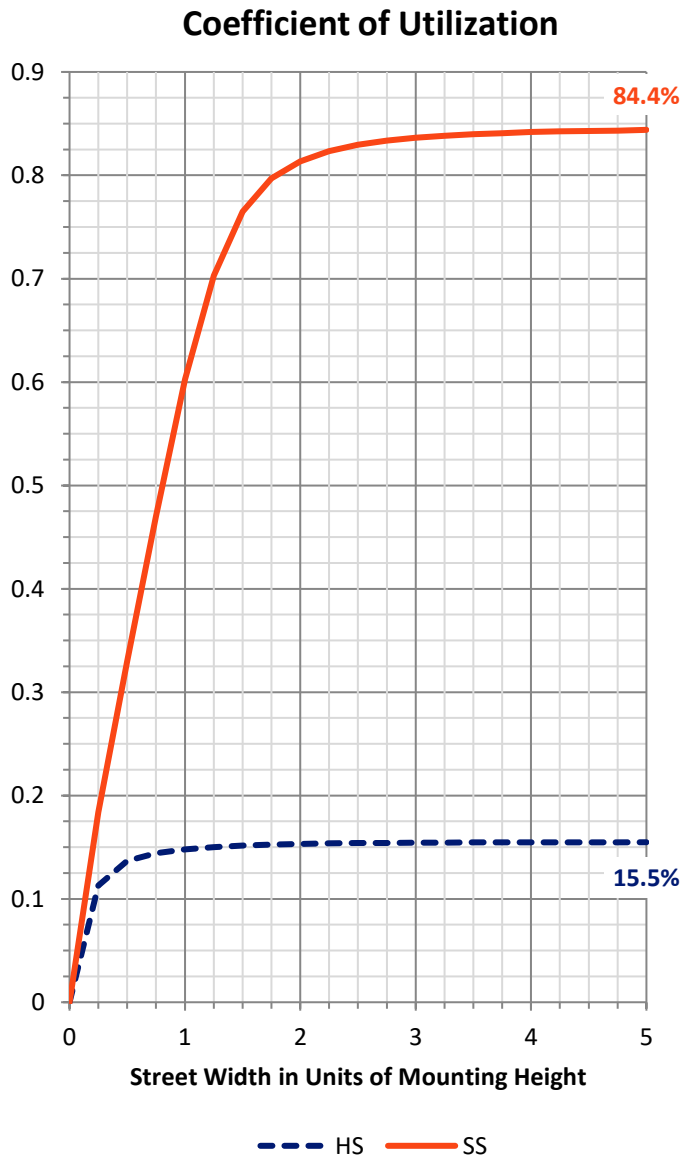
REPORT NUMBER: P1501810
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1325.5	0.0	1325.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7170.2	0.0	7170.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	8495.7	0.0	8495.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.6
10°-20°	332.1	3.9
20°-30°	619.9	7.3
30°-40°	1229.3	14.5
40°-50°	1959.9	23.1
50°-60°	2341.6	27.6
60°-70°	1535.1	18.1
70°-80°	321.6	3.8
80°-90°	24.3	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°	8495.7	100.0
0°-180°	8495.7	100.0



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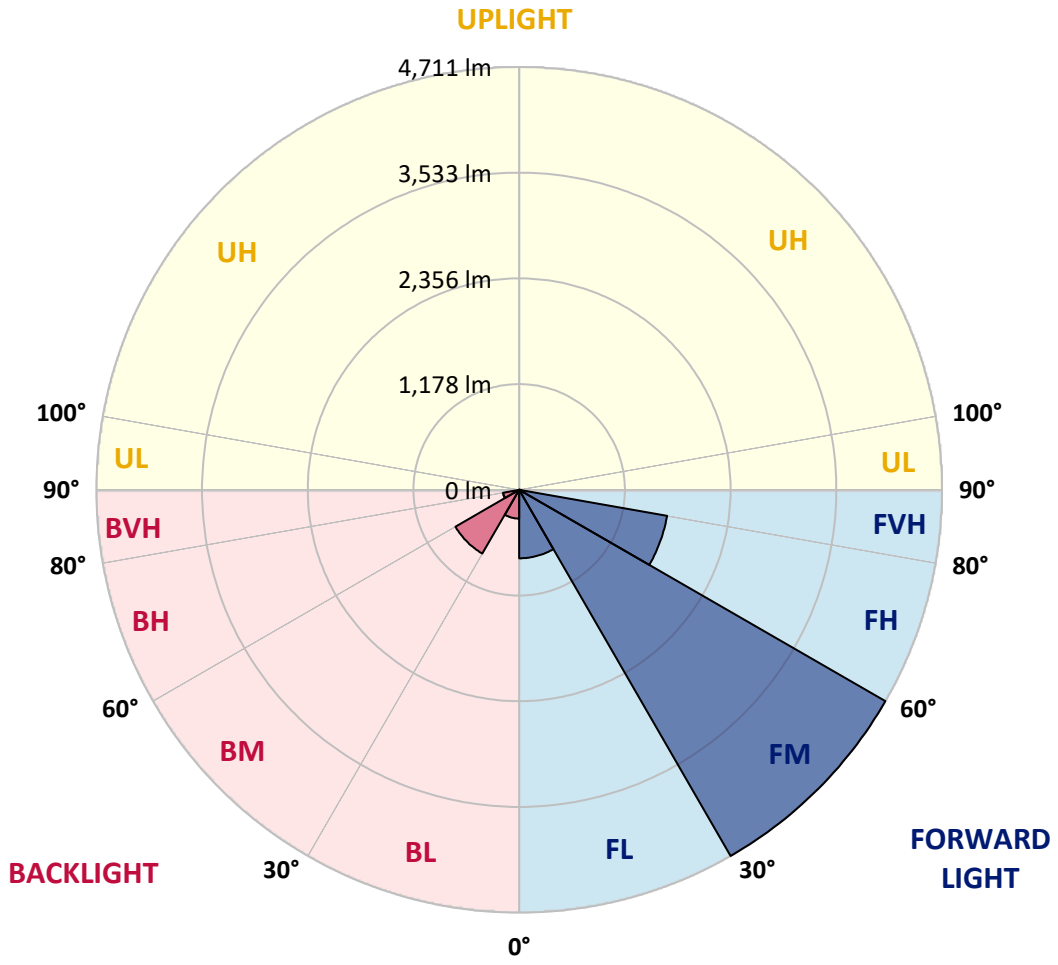
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	763.1	9.0			
FM	(30°-60°)	4711.2	55.5			
FH	(60°-80°)	1673.6	19.7			G1/1800
FVH	(80°-90°)	22.3	0.3			G1/100
BL	(0°-30°)	320.7	3.8	B1/500		
BM	(30°-60°)	819.7	9.6	B1/1000		
BH	(60°-80°)	183.1	2.2	B1/500		G1/500
BVH	(80°-90°)	2.0	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°	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1
2.5°	1529.8	1525.1	1517.9	1520.3	1517.9	1508.4	1494.1	1482.2	1491.8	1477.5	1468.0
5°	1575.0	1575.0	1570.3	1570.3	1572.7	1567.9	1558.4	1541.7	1544.1	1532.2	1501.3
7.5°	1575.0	1567.9	1579.8	1591.7	1613.1	1625.0	1629.8	1620.2	1625.0	1601.2	1560.8
10°	1482.2	1477.5	1508.4	1553.6	1615.5	1670.2	1705.9	1708.3	1715.4	1691.6	1644.0
12.5°	1284.8	1275.3	1337.1	1422.8	1548.9	1675.0	1774.9	1813.0	1829.6	1820.1	1753.5
15°	1101.6	1113.5	1156.3	1249.1	1418.0	1610.7	1813.0	1939.1	1962.8	1974.7	1896.2
17.5°	1082.5	1084.9	1099.2	1144.4	1272.9	1506.0	1817.7	2069.9	2103.2	2155.6	2048.5
20°	1134.9	1130.1	1144.4	1158.7	1220.5	1413.2	1772.5	2196.0	2260.2	2372.1	2255.5
22.5°	1232.4	1232.4	1239.6	1249.1	1280.0	1406.1	1753.5	2312.6	2422.0	2650.4	2514.8
25°	1396.6	1377.6	1382.3	1370.4	1396.6	1491.8	1796.3	2405.4	2555.3	2959.7	2824.1
27.5°	1651.2	1658.3	1615.5	1551.2	1565.5	1646.4	1901.0	2510.1	2693.3	3280.9	3138.2
30°	2003.3	1991.4	1965.2	1839.1	1782.0	1853.4	2093.7	2681.4	2878.8	3687.8	3556.9
32.5°	2279.3	2312.6	2267.4	2179.4	2091.3	2112.7	2364.9	2957.4	3104.9	4061.3	3989.9
35°	2612.4	2612.4	2621.9	2498.2	2438.7	2433.9	2705.2	3257.1	3404.6	4399.2	4449.1
37.5°	3062.0	3031.1	2978.8	2840.8	2795.6	2855.0	3024.0	3566.4	3725.8	4672.8	4806.0
40°	3440.3	3461.7	3454.6	3254.8	3166.7	3231.0	3380.9	3830.5	3954.2	4848.8	5093.9
42.5°	3811.5	3823.4	3792.5	3697.3	3568.8	3573.6	3697.3	4030.4	4156.5	5017.8	5365.1
45°	4089.9	4087.5	4066.1	4042.3	3966.1	3887.6	3909.0	4251.6	4361.1	5072.5	5512.6
47.5°	4177.9	4196.9	4216.0	4282.6	4334.9	4211.2	4101.8	4370.6	4470.5	5063.0	5567.3
50°	4097.0	4137.4	4230.2	4330.2	4508.6	4499.1	4263.5	4499.1	4596.6	5115.3	5631.6
52.5°	3916.2	3956.6	4080.3	4261.2	4530.0	4663.2	4563.3	4715.6	4829.8	5248.5	5764.8
55°	3495.1	3511.7	3766.3	4004.2	4422.9	4591.9	4884.5	5082.0	5177.2	5410.3	5940.9
57.5°	2845.5	2886.0	3135.8	3523.6	4123.2	4403.9	5067.7	5707.7	5705.3	5565.0	5979.0
60°	*1872.4*	*1991.4*	*2398.2*	*2826.5*	*3542.6*	*4035.1*	*5055.8*	*6440.5*	*6514.3*	*5412.7*	*5519.8*
62.5°	1429.9	1479.9	1710.7	2067.5	2621.9	3345.2	4977.3	6659.4	6716.5	5003.5	4832.2
65°	1075.4	1137.3	1358.5	1677.3	1851.0	2267.4	4463.4	5788.6	5867.1	4465.8	3756.8
67.5°	659.0	709.0	1004.0	1377.6	1401.4	1408.5	3012.1	4384.9	4413.4	3602.1	2529.1
70°	440.2	490.1	694.7	1058.7	1115.8	811.3	1653.5	3319.0	3316.6	2464.9	1537.0
72.5°	254.6	278.4	440.2	780.4	877.9	516.3	825.6	2110.4	2017.6	1158.7	718.5
75°	145.1	161.8	242.7	502.0	616.2	328.3	326.0	1130.1	999.3	597.2	392.6
77.5°	88.0	95.2	133.2	328.3	371.2	221.3	180.8	525.8	506.8	349.7	207.0
80°	42.8	50.0	80.9	192.7	237.9	119.0	109.4	207.0	221.3	192.7	109.4
82.5°	14.3	19.0	45.2	73.8	154.6	47.6	45.2	114.2	121.3	114.2	52.3
85°	7.1	9.5	21.4	23.8	59.5	23.8	16.7	50.0	61.9	38.1	21.4
87.5°	0.0	2.4	2.4	2.4	2.4	2.4	2.4	4.8	4.8	4.8	4.8
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°	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1
2.5°	1460.8	1456.1	1446.6	1429.9	1427.5	1415.6	1396.6	1384.7	1375.2	1382.3	1384.7
5°	1487.0	1475.1	1446.6	1401.4	1353.8	1306.2	1261.0	1208.6	1172.9	1168.2	1158.7
7.5°	1534.6	1510.8	1448.9	1360.9	1239.6	1125.4	992.1	863.7	799.4	789.9	768.5
10°	1610.7	1570.3	1468.0	1289.5	1056.4	818.4	616.2	478.2	399.7	385.4	390.2
12.5°	1701.1	1644.0	1470.4	1168.2	804.2	506.8	349.7	297.4	280.7	273.6	273.6
15°	1817.7	1734.4	1468.0	1011.2	542.5	326.0	280.7	259.3	252.2	247.4	247.4
17.5°	1965.2	1855.8	1451.3	775.6	366.4	283.1	257.0	240.3	230.8	228.4	228.4
20°	2138.9	1991.4	1413.2	578.1	306.9	264.1	242.7	221.3	214.1	209.4	209.4
22.5°	2360.2	2155.6	1339.5	449.7	290.3	252.2	228.4	204.6	197.5	192.7	192.7
25°	2617.1	2364.9	1241.9	404.5	287.9	242.7	214.1	190.3	183.2	180.8	178.4
27.5°	2921.7	2588.6	1151.5	406.8	292.6	235.5	199.9	178.4	171.3	164.2	166.5
30°	3280.9	2819.4	1077.8	435.4	297.4	228.4	190.3	171.3	164.2	154.6	154.6
32.5°	3635.4	3090.6	1070.6	487.7	314.1	223.6	180.8	161.8	154.6	147.5	147.5
35°	3999.4	3338.0	1111.1	556.7	347.4	216.5	168.9	152.3	145.1	140.4	138.0
37.5°	4346.8	3535.5	1149.2	599.6	328.3	185.6	154.6	140.4	133.2	123.7	123.7
40°	4577.6	3642.6	1156.3	566.3	271.2	166.5	140.4	126.1	116.6	111.8	109.4
42.5°	4746.5	3711.6	1075.4	459.2	235.5	152.3	128.5	114.2	107.1	102.3	102.3
45°	4815.5	3687.8	937.4	349.7	216.5	140.4	116.6	104.7	99.9	95.2	95.2
47.5°	4806.0	3578.3	797.0	280.7	197.5	128.5	109.4	99.9	95.2	90.4	88.0
50°	4789.3	3476.0	654.3	249.8	176.1	121.3	102.3	95.2	88.0	83.3	80.9
52.5°	4898.8	3442.7	542.5	228.4	164.2	116.6	99.9	90.4	83.3	78.5	78.5
55°	5008.2	3457.0	425.9	214.1	152.3	114.2	97.5	88.0	80.9	73.8	73.8
57.5°	5001.1	3395.1	323.6	199.9	142.8	111.8	95.2	85.7	73.8	69.0	69.0
60°	*4546.7*	*3028.7*	*252.2*	*183.2*	*130.9*	*104.7*	*88.0*	*80.9*	*69.0*	*61.9*	*61.9*
62.5°	3844.8	2381.6	207.0	161.8	116.6	95.2	80.9	73.8	61.9	50.0	50.0
65°	2840.8	1717.8	166.5	140.4	107.1	83.3	73.8	64.2	50.0	40.4	38.1
67.5°	1922.4	1056.4	133.2	116.6	95.2	71.4	61.9	54.7	45.2	33.3	30.9
70°	1139.6	561.5	97.5	80.9	71.4	52.3	52.3	47.6	38.1	28.6	26.2
72.5°	542.5	195.1	71.4	59.5	54.7	38.1	40.4	40.4	30.9	21.4	19.0
75°	276.0	95.2	47.6	42.8	35.7	28.6	33.3	30.9	21.4	14.3	14.3
77.5°	157.0	66.6	33.3	28.6	23.8	19.0	21.4	19.0	11.9	7.1	7.1
80°	88.0	47.6	21.4	19.0	14.3	11.9	11.9	9.5	7.1	2.4	2.4
82.5°	33.3	28.6	14.3	9.5	7.1	7.1	4.8	4.8	2.4	0.0	0.0
85°	14.3	7.1	7.1	4.8	4.8	2.4	2.4	2.4	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	2.4	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°	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1
2.5°	1365.7	1370.4	1375.2	1394.2	1399.0	1413.2	1425.1	1439.4	1441.8	1460.8	1460.8
5°	1177.7	1175.3	1215.8	1275.3	1313.3	1365.7	1406.1	1448.9	1472.7	1503.7	1517.9
7.5°	780.4	839.9	930.3	1035.0	1170.6	1296.7	1391.8	1475.1	1532.2	1567.9	1582.2
10°	387.8	421.1	516.3	687.6	918.4	1175.3	1377.6	1532.2	1625.0	1665.4	1691.6
12.5°	273.6	280.7	297.4	390.2	611.5	975.5	1332.4	1594.1	1722.5	1798.7	1832.0
15°	245.1	249.8	257.0	283.1	378.3	728.0	1251.5	1663.1	1874.8	1962.8	2005.7
17.5°	226.0	228.4	235.5	257.0	297.4	494.9	1120.6	1736.8	2058.0	2165.1	2246.0
20°	209.4	209.4	216.5	242.7	276.0	380.7	932.6	1820.1	2291.2	2445.8	2526.7
22.5°	190.3	195.1	199.9	228.4	268.9	347.4	756.6	1884.3	2550.5	2738.5	2833.6
25°	176.1	180.8	185.6	214.1	261.7	347.4	654.3	1924.8	2840.8	3064.4	3195.3
27.5°	164.2	168.9	176.1	204.6	254.6	361.6	613.8	1936.7	3157.2	3447.5	3623.5
30°	154.6	159.4	166.5	197.5	259.3	378.3	628.1	1920.0	3478.4	3842.4	4051.8
32.5°	145.1	149.9	157.0	190.3	259.3	399.7	675.7	1886.7	3790.1	4237.4	4494.3
35°	138.0	140.4	142.8	171.3	235.5	397.3	735.2	1853.4	4104.1	4627.6	4927.3
37.5°	123.7	126.1	130.9	147.5	188.0	361.6	747.1	1813.0	4351.6	4955.9	5286.6
40°	109.4	114.2	119.0	135.6	157.0	292.6	694.7	1727.3	4482.4	5208.1	5610.2
42.5°	99.9	102.3	107.1	123.7	145.1	233.2	582.9	1577.4	4599.0	5379.4	5845.7
45°	92.8	95.2	99.9	111.8	135.6	202.2	459.2	1394.2	4608.5	5434.1	5959.9
47.5°	85.7	88.0	90.4	102.3	130.9	180.8	352.1	1227.7	4606.1	5505.5	6057.5
50°	80.9	83.3	88.0	97.5	123.7	161.8	290.3	1092.1	4706.1	5660.1	6254.9
52.5°	78.5	78.5	85.7	95.2	116.6	147.5	242.7	970.7	4758.4	5812.4	6397.7
55°	73.8	76.1	80.9	90.4	109.4	140.4	207.0	818.4	4782.2	5888.5	6423.9
57.5°	69.0	71.4	78.5	85.7	104.7	133.2	178.4	611.5	4442.0	5491.2	5986.1
60°	*61.9*	*66.6*	*76.1*	*83.3*	*97.5*	*121.3*	*157.0*	*414.0*	*3747.3*	*4772.7*	*5186.7*
62.5°	50.0	59.5	69.0	73.8	88.0	102.3	133.2	276.0	2993.0	3949.5	4420.6
65°	38.1	50.0	57.1	64.2	73.8	85.7	111.8	188.0	1996.2	2657.6	3188.1
67.5°	33.3	42.8	47.6	52.3	61.9	73.8	90.4	130.9	1211.0	1596.4	2119.9
70°	26.2	35.7	40.4	38.1	47.6	57.1	64.2	88.0	618.6	866.0	1206.3
72.5°	19.0	28.6	30.9	30.9	28.6	40.4	47.6	61.9	268.9	421.1	547.2
75°	14.3	19.0	21.4	19.0	16.7	26.2	33.3	40.4	176.1	252.2	318.8
77.5°	7.1	7.1	11.9	11.9	7.1	14.3	16.7	23.8	99.9	147.5	183.2
80°	2.4	0.0	0.0	2.4	0.0	4.8	7.1	11.9	52.3	78.5	114.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	26.2	23.8	59.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	14.3
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: P1501810
CATALOG NUMBER: GSS-SB2B-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1456.1	*1456.1*	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1	1456.1
2.5°	1472.7	*1472.7*	1482.2	1496.5	1503.7	1508.4	1510.8	1515.6	1534.6	1529.8
5°	1534.6	*1539.3*	1546.5	1560.8	1577.4	1572.7	1572.7	1572.7	1584.6	1575.0
7.5°	1615.5	*1629.8*	1632.1	1648.8	1636.9	1613.1	1598.8	1577.4	1575.0	1575.0
10°	1746.3	*1741.6*	1741.6	1720.2	1677.3	1608.3	1546.5	1503.7	1479.9	1482.2
12.5°	1886.7	*1867.7*	1870.1	1791.5	1670.2	1517.9	1391.8	1299.0	1291.9	1284.8
15°	2060.4	*2010.4*	2000.9	1820.1	1563.1	1330.0	1206.3	1132.5	1108.7	1101.6
17.5°	2307.8	*2181.7*	2136.5	1770.1	1422.8	1213.4	1120.6	1087.3	1084.9	1082.5
20°	2569.5	*2319.7*	2234.1	1696.4	1375.2	1215.8	1146.8	1137.3	1132.5	1134.9
22.5°	2874.1	*2407.8*	2298.3	1708.3	1418.0	1294.3	1239.6	1232.4	1227.7	1232.4
25°	3188.1	*2510.1*	2374.4	1803.4	1546.5	1439.4	1375.2	1360.9	1375.2	1396.6
27.5°	3504.6	*2648.1*	2524.3	1991.4	1753.5	1636.9	1575.0	1627.4	1648.8	1651.2
30°	3785.3	*2840.8*	2726.6	2255.5	1989.0	1872.4	1884.3	1951.0	1977.1	2003.3
32.5°	4042.3	*3097.7*	3009.7	2555.3	2293.6	2224.6	2217.4	2267.4	2295.9	2279.3
35°	4301.6	*3433.2*	3347.5	2881.2	2667.1	2610.0	2550.5	2648.1	2638.5	2612.4
37.5°	4546.7	*3771.0*	3692.5	3231.0	3009.7	2909.8	2900.3	2988.3	3066.8	3062.0
40°	4722.7	*4044.7*	3949.5	3578.3	3369.0	3283.3	3333.3	3485.5	3466.5	3440.3
42.5°	4884.5	*4277.8*	4192.2	3882.9	3664.0	3702.0	3747.3	3849.6	3837.7	3811.5
45°	4960.6	*4477.7*	4403.9	4113.7	4006.6	4127.9	4125.5	4163.6	4099.4	4089.9
47.5°	5067.7	*4620.4*	4544.3	4320.6	4415.8	4465.8	4325.4	4285.0	4225.5	4177.9
50°	5265.2	*4841.7*	4765.6	4634.7	4715.6	4560.9	4389.6	4301.6	4180.3	4097.0
52.5°	5496.0	*5177.2*	5110.5	5058.2	4832.2	4513.4	4294.5	4135.1	3987.6	3916.2
55°	5786.2	*5672.0*	5624.4	5336.6	4727.5	4318.3	4061.3	3763.9	3561.7	3495.1
57.5°	5881.4	*6397.7*	6381.0	5381.8	4434.8	3963.8	3499.8	3097.7	2888.4	2845.5
60°	*5600.7*	*6966.3*	*6906.8*	*5305.6*	*3904.3*	*3216.7*	*2674.2*	*2262.6*	*1922.4*	*1872.4*
62.5°	5241.4	*6530.9*	6509.5	4922.6	2974.0	2305.5	1998.5	1613.1	1468.0	1429.9
65°	4489.6	*5343.7*	5353.2	3949.5	1882.0	1655.9	1641.7	1282.4	1104.0	1075.4
67.5°	3457.0	*4099.4*	4032.8	2483.9	1096.8	1325.2	1310.9	937.4	678.1	659.0
70°	2019.9	*3052.5*	2945.5	1291.9	725.7	1106.3	1008.8	659.0	461.6	440.2
72.5°	892.2	*1679.7*	1803.4	568.6	511.5	880.3	728.0	404.5	259.3	254.6
75°	494.9	*832.7*	870.8	247.4	359.3	625.7	440.2	226.0	147.5	145.1
77.5°	297.4	*368.8*	359.3	159.4	268.9	399.7	266.5	128.5	92.8	88.0
80°	166.5	*168.9*	142.8	116.6	159.4	223.6	149.9	80.9	42.8	42.8
82.5°	102.3	*92.8*	73.8	35.7	42.8	135.6	54.7	45.2	14.3	14.3
85°	42.8	*28.6*	19.0	7.1	16.7	35.7	19.0	21.4	7.1	7.1
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

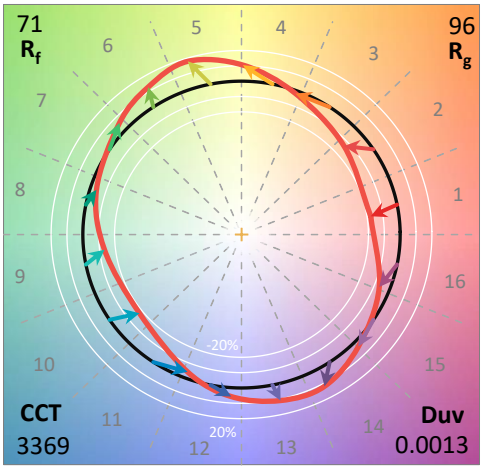
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

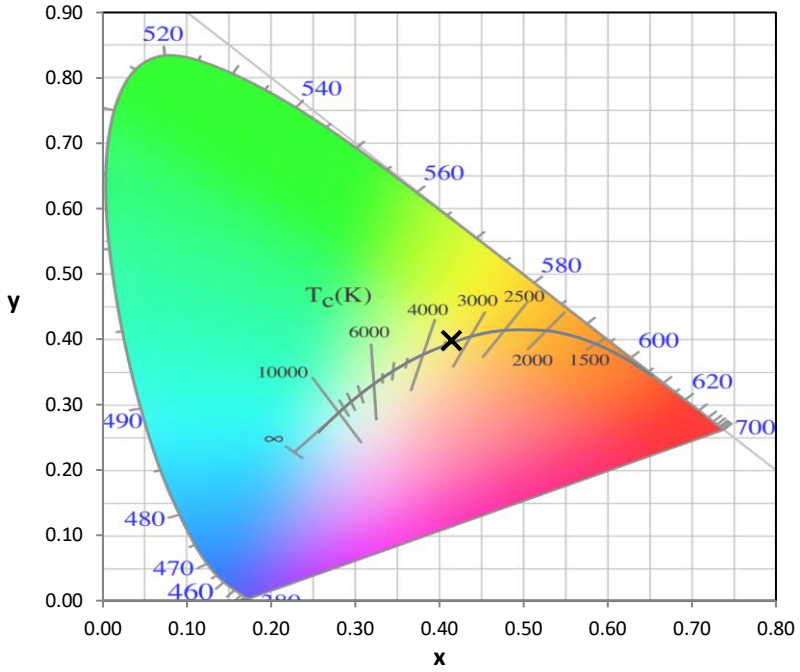
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

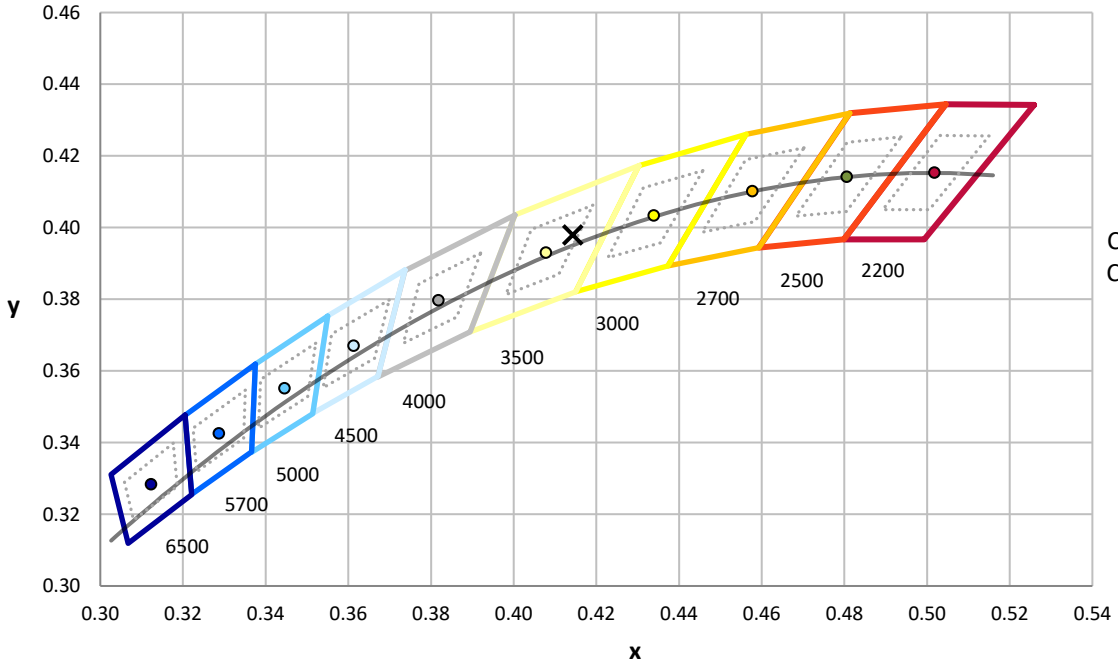
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

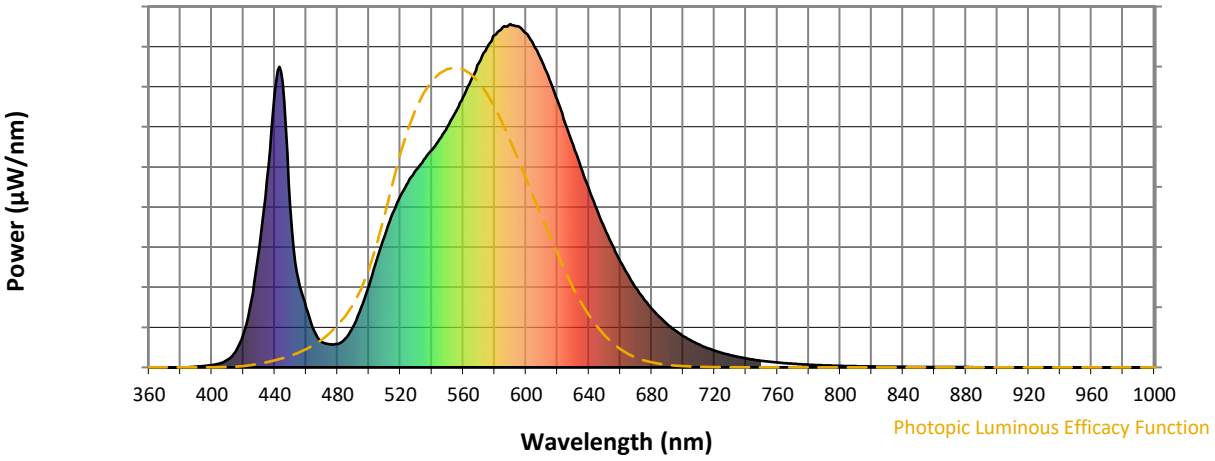


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

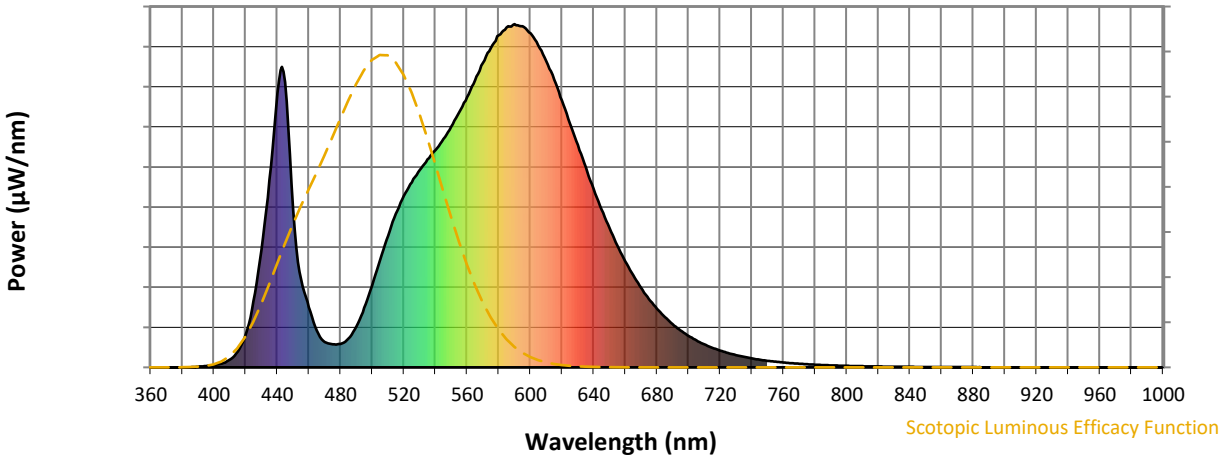


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

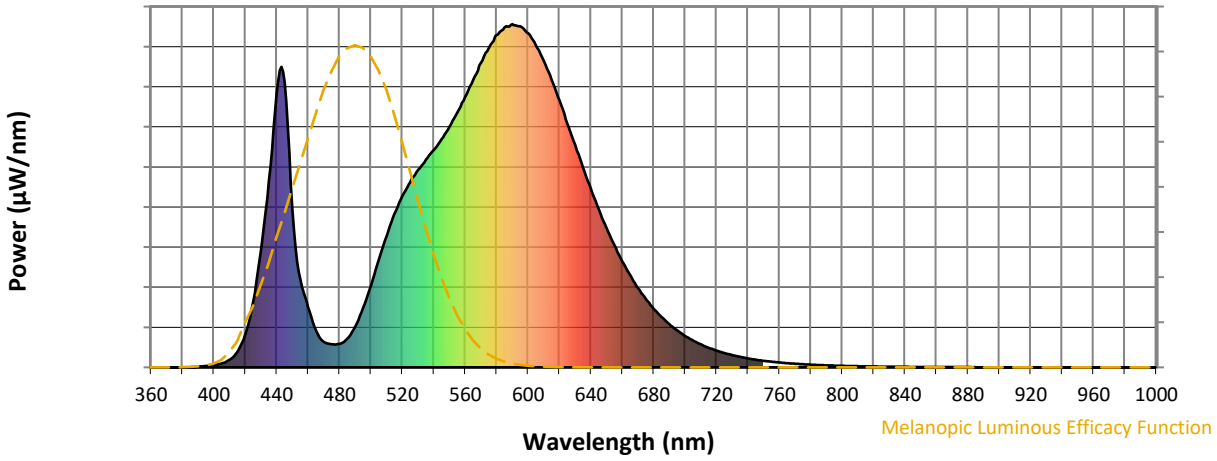


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

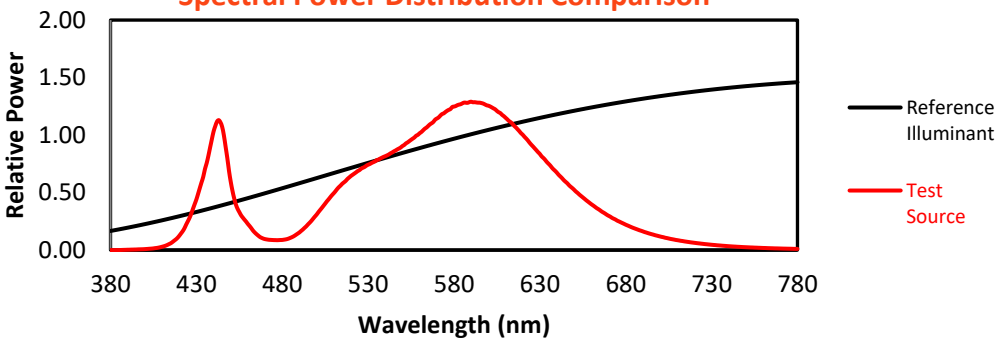
REPORT NUMBER: SP1-2407-184-5

TM-30-18

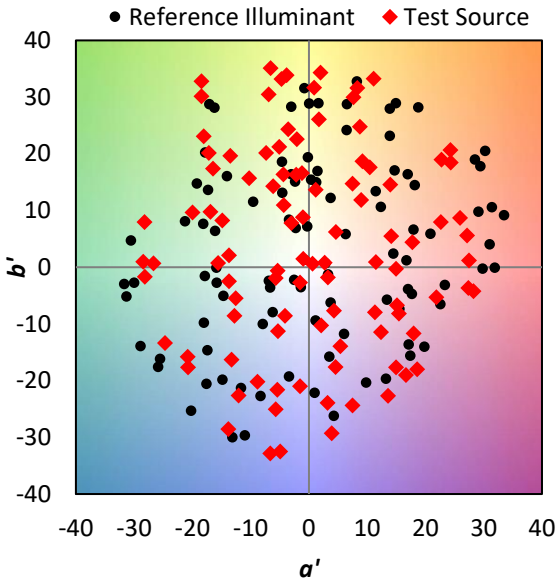
Summary

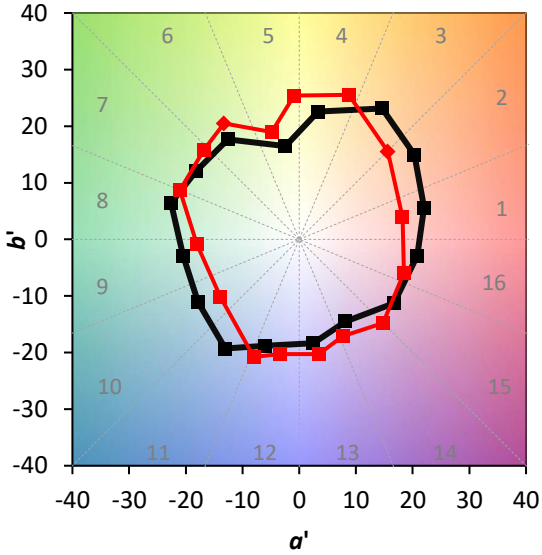
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

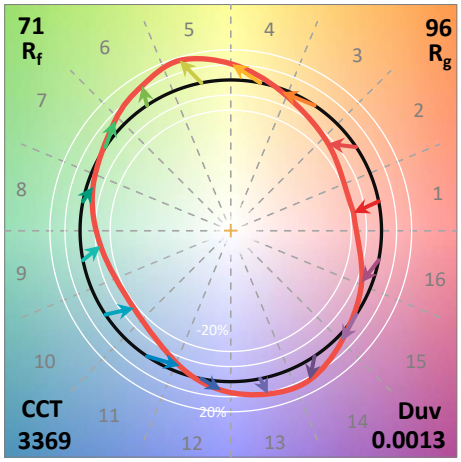
Spectral Power Distribution Comparison

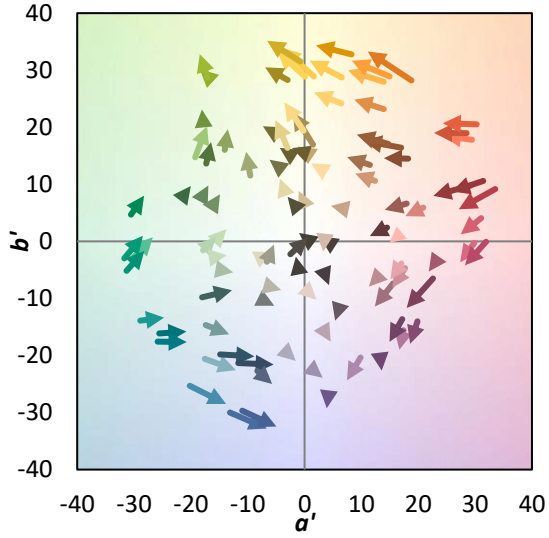


Color Vector Graphics







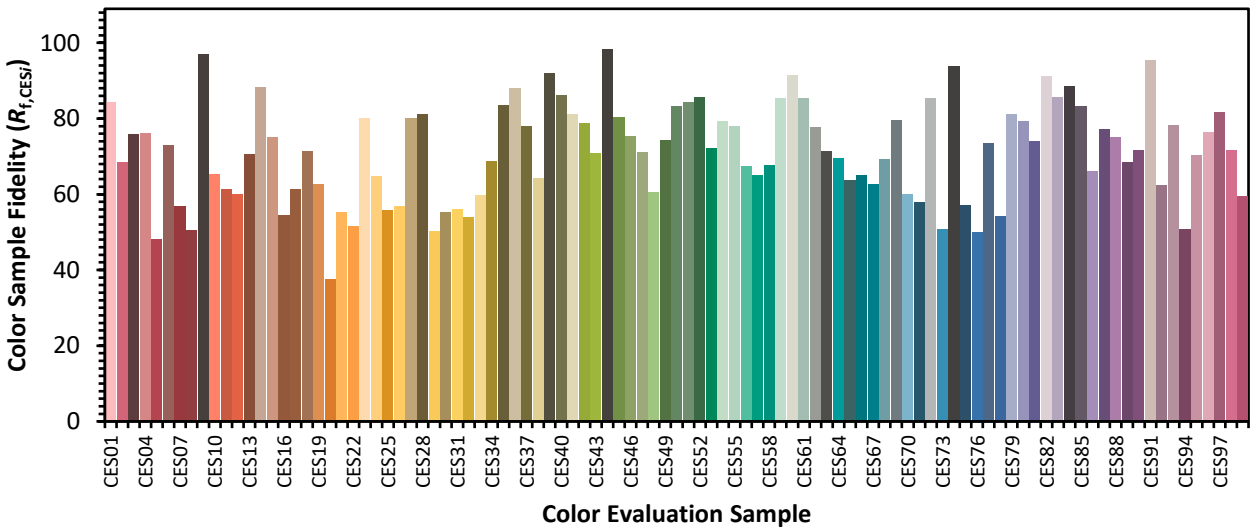


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

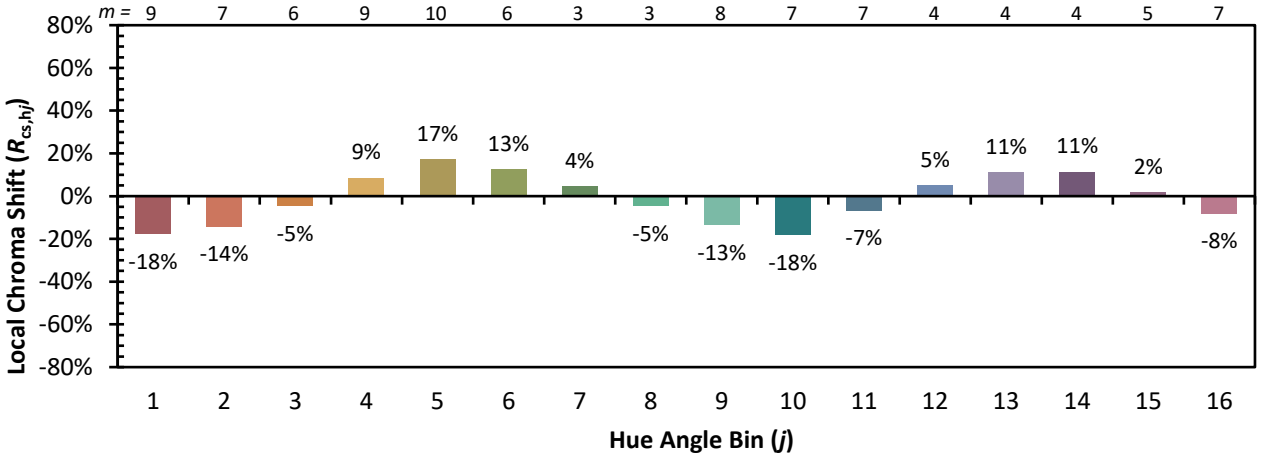
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

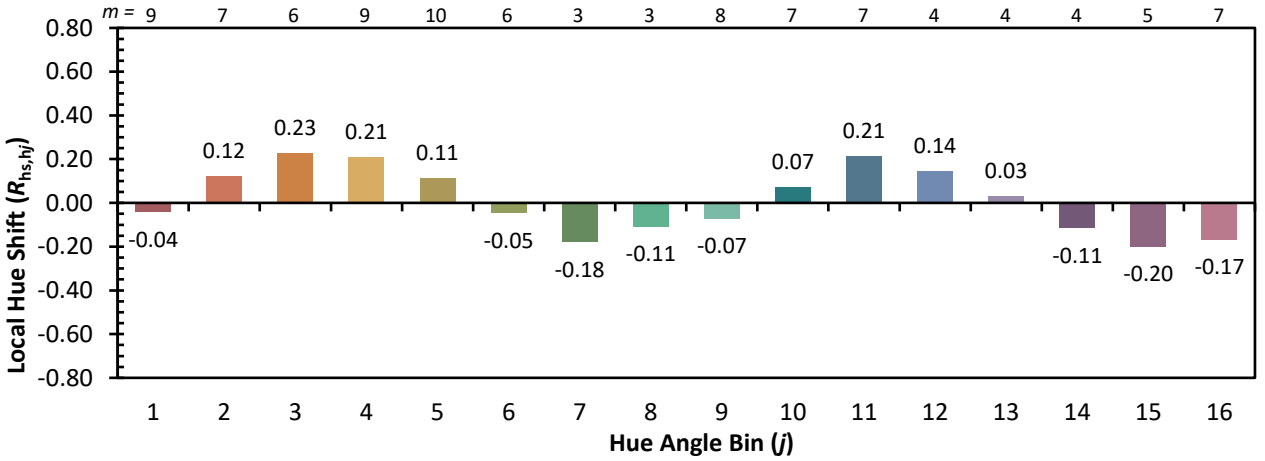


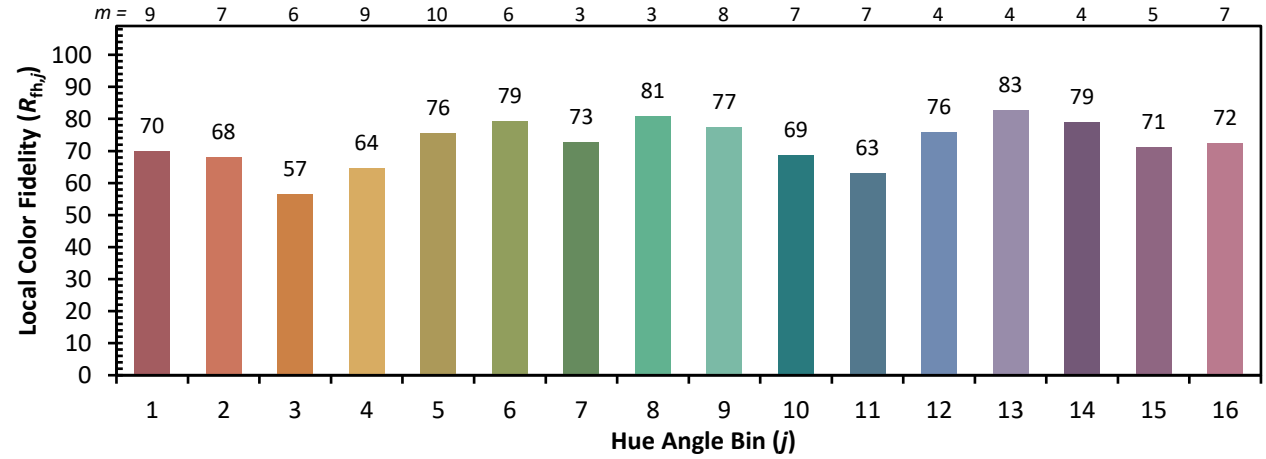
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Color Rendition by Hue-Angle Bin



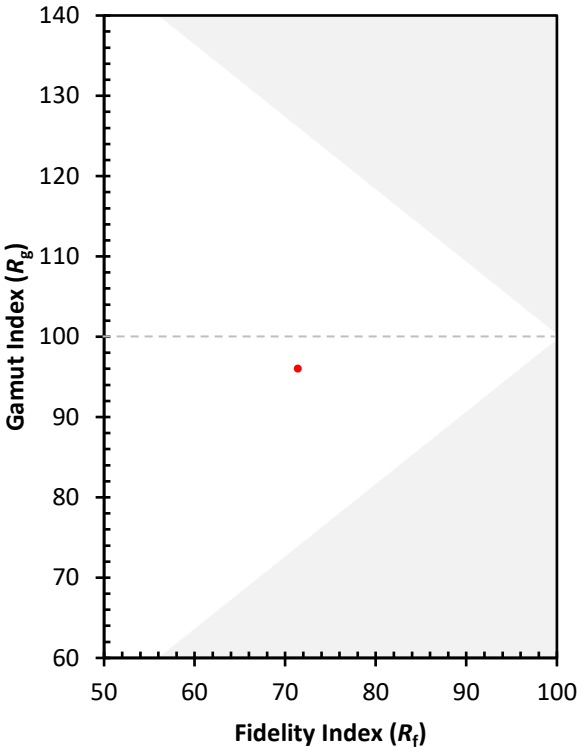


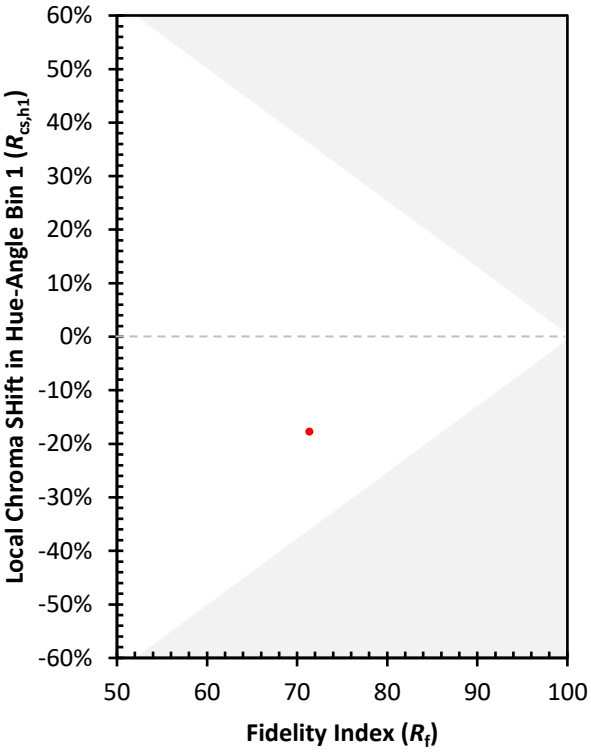


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Measure Comparisons





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