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: P1501909

Luminaire Tested: GSS-SB3A-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501909
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9126.4 lumens
Efficiency:	N/A
Efficacy:	107.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

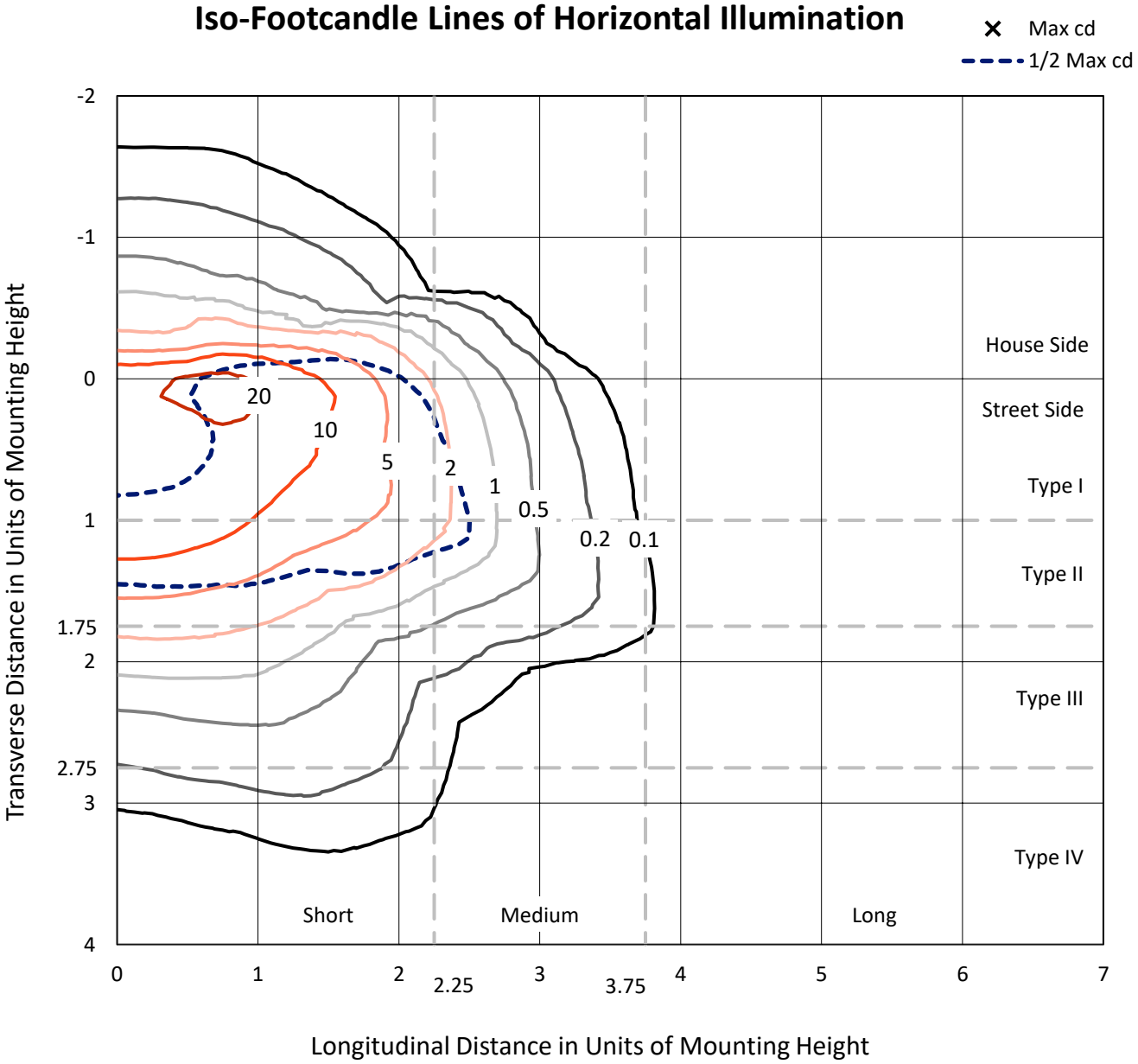
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



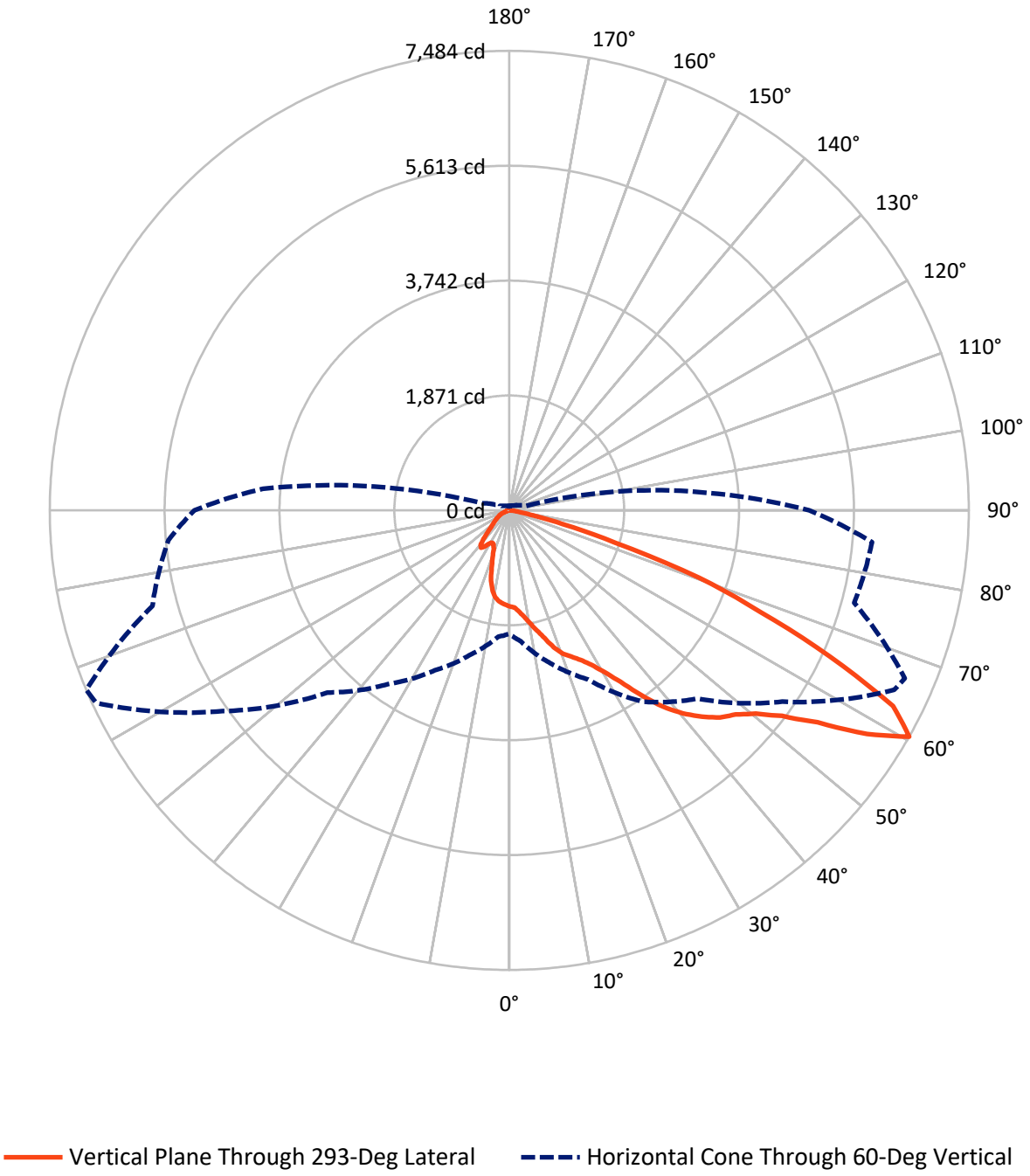
Based on 10 foot mounting height. Maximum calculated value = 26 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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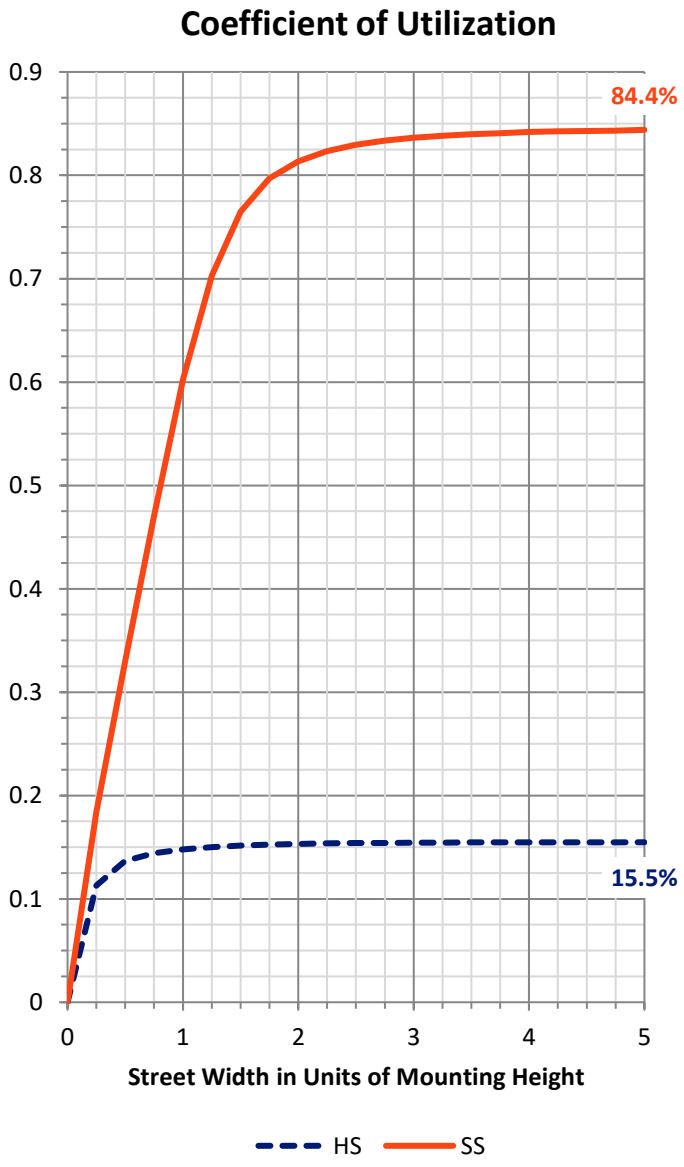
REPORT NUMBER: P1501909
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1423.9	0.0	1423.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7702.4	0.0	7702.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	9126.4	0.0	9126.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	1.6
10°-20°	356.7	3.9
20°-30°	665.9	7.3
30°-40°	1320.6	14.5
40°-50°	2105.4	23.1
50°-60°	2515.5	27.6
60°-70°	1649.0	18.1
70°-80°	345.5	3.8
80°-90°	26.1	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°	9126.4	100.0
0°-180°	9126.4	100.0



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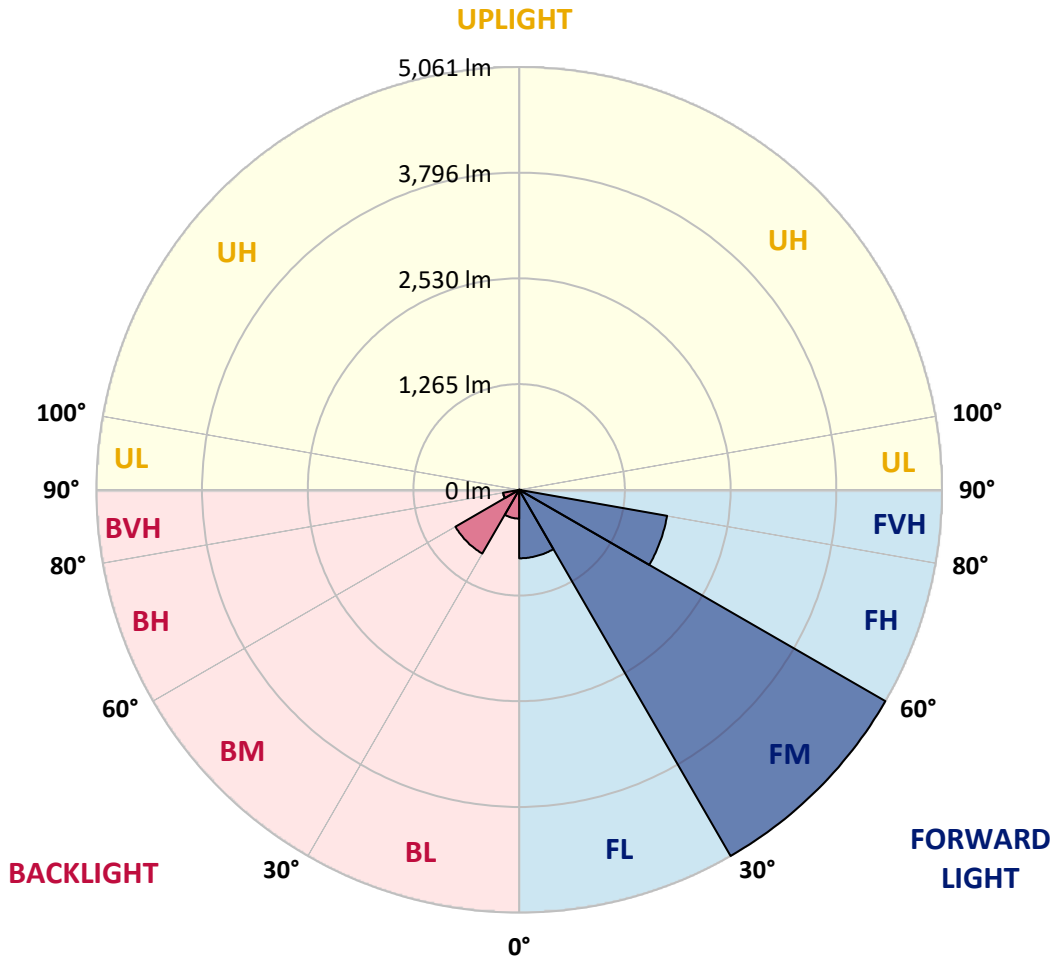
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	819.7	9.0			
FM	(30°-60°)	5060.9	55.5			
FH	(60°-80°)	1797.8	19.7			G1/1800
FVH	(80°-90°)	23.9	0.3			G1/100
BL	(0°-30°)	344.5	3.8	B1/500		
BM	(30°-60°)	880.6	9.6	B1/1000		
BH	(60°-80°)	196.7	2.2	B1/500		G1/500
BVH	(80°-90°)	2.2	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°	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2
2.5°	1643.4	1638.3	1630.6	1633.2	1630.6	1620.4	1605.1	1592.3	1602.5	1587.2	1576.9
5°	1692.0	1692.0	1686.9	1686.9	1689.4	1684.3	1674.1	1656.2	1658.7	1646.0	1612.7
7.5°	1692.0	1684.3	1697.1	1709.9	1732.9	1745.6	1750.7	1740.5	1745.6	1720.1	1676.6
10°	1592.3	1587.2	1620.4	1669.0	1735.4	1794.2	1832.5	1835.1	1842.8	1817.2	1766.1
12.5°	1380.2	1369.9	1436.4	1528.4	1663.8	1799.3	1906.7	1947.5	1965.4	1955.2	1883.6
15°	1183.4	1196.1	1242.1	1341.8	1523.3	1730.3	1947.5	2083.0	2108.6	2121.3	2037.0
17.5°	1162.9	1165.5	1180.8	1229.4	1367.4	1617.8	1952.7	2223.6	2259.4	2315.6	2200.6
20°	1219.1	1214.0	1229.4	1244.7	1311.1	1518.2	1904.1	2359.0	2428.0	2548.2	2422.9
22.5°	1323.9	1323.9	1331.6	1341.8	1375.0	1510.5	1883.6	2484.3	2601.8	2847.2	2701.5
25°	1500.3	1479.8	1484.9	1472.2	1500.3	1602.5	1929.7	2583.9	2745.0	3179.5	3033.8
27.5°	1773.7	1781.4	1735.4	1666.4	1681.7	1768.6	2042.1	2696.4	2893.2	3524.5	3371.1
30°	2152.0	2139.2	2111.1	1975.7	1914.3	1991.0	2249.1	2880.4	3092.6	3961.5	3821.0
32.5°	2448.5	2484.3	2435.7	2341.1	2246.6	2269.6	2540.5	3176.9	3335.4	4362.8	4286.1
35°	2806.3	2806.3	2816.5	2683.6	2619.7	2614.6	2906.0	3498.9	3657.4	4725.7	4779.4
37.5°	3289.4	3256.1	3199.9	3051.7	3003.1	3067.0	3248.5	3831.2	4002.4	5019.7	5162.8
40°	3695.7	3718.7	3711.1	3496.4	3401.8	3470.8	3631.8	4114.9	4247.8	5208.8	5472.0
42.5°	4094.4	4107.2	4074.0	3971.8	3833.8	3838.9	3971.8	4329.6	4465.0	5390.3	5763.4
45°	4393.5	4390.9	4367.9	4342.4	4260.6	4176.2	4199.2	4567.3	4684.8	5449.0	5921.9
47.5°	4488.0	4508.5	4528.9	4600.5	4656.7	4523.8	4406.3	4695.1	4802.4	5438.8	5980.7
50°	4401.1	4444.6	4544.3	4651.6	4843.3	4833.1	4580.1	4833.1	4937.9	5495.0	6049.7
52.5°	4206.9	4250.4	4383.3	4577.5	4866.3	5009.4	4902.1	5065.7	5188.3	5638.2	6192.8
55°	3754.5	3772.4	4045.9	4301.5	4751.3	4932.8	5247.1	5459.3	5561.5	5812.0	6381.9
57.5°	3056.8	3100.2	3368.6	3785.2	4429.3	4730.8	5443.9	6131.4	6128.9	5978.1	6422.8
60°	*2011.4*	*2139.2*	*2576.3*	*3036.3*	*3805.6*	*4334.7*	*5431.1*	*6918.6*	*6997.9*	*5814.5*	*5929.5*
62.5°	1536.1	1589.7	1837.6	2221.0	2816.5	3593.5	5346.8	7153.8	7215.1	5374.9	5190.9
65°	1155.2	1221.7	1459.4	1801.9	1988.4	2435.7	4794.7	6218.3	6302.7	4797.3	4035.7
67.5°	708.0	761.6	1078.6	1479.8	1505.4	1513.1	3235.7	4710.4	4741.1	3869.5	2716.9
70°	472.8	526.5	746.3	1137.3	1198.7	871.5	1776.3	3565.4	3562.8	2647.8	1651.1
72.5°	273.5	299.0	472.8	838.3	943.1	554.6	886.9	2267.0	2167.3	1244.7	771.9
75°	155.9	173.8	260.7	539.3	662.0	352.7	350.1	1214.0	1073.5	641.5	421.7
77.5°	94.6	102.2	143.1	352.7	398.7	237.7	194.2	564.8	544.4	375.7	222.4
80°	46.0	53.7	86.9	207.0	255.6	127.8	117.6	222.4	237.7	207.0	117.6
82.5°	15.3	20.4	48.6	79.2	166.1	51.1	48.6	122.7	130.3	122.7	56.2
85°	7.7	10.2	23.0	25.6	63.9	25.6	17.9	53.7	66.5	40.9	23.0
87.5°	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1	5.1
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°	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2
2.5°	1569.3	1564.2	1553.9	1536.1	1533.5	1520.7	1500.3	1487.5	1477.3	1484.9	1487.5
5°	1597.4	1584.6	1553.9	1505.4	1454.3	1403.2	1354.6	1298.4	1260.0	1254.9	1244.7
7.5°	1648.5	1623.0	1556.5	1461.9	1331.6	1208.9	1065.8	927.8	858.8	848.5	825.5
10°	1730.3	1686.9	1576.9	1385.3	1134.8	879.2	662.0	513.7	429.4	414.0	419.2
12.5°	1827.4	1766.1	1579.5	1254.9	863.9	544.4	375.7	319.5	301.6	293.9	293.9
15°	1952.7	1863.2	1576.9	1086.2	582.7	350.1	301.6	278.6	270.9	265.8	265.8
17.5°	2111.1	1993.6	1559.1	833.2	393.6	304.1	276.0	258.1	247.9	245.4	245.4
20°	2297.7	2139.2	1518.2	621.1	329.7	283.7	260.7	237.7	230.0	224.9	224.9
22.5°	2535.4	2315.6	1438.9	483.1	311.8	270.9	245.4	219.8	212.1	207.0	207.0
25°	2811.4	2540.5	1334.1	434.5	309.3	260.7	230.0	204.5	196.8	194.2	191.7
27.5°	3138.6	2780.7	1237.0	437.0	314.4	253.0	214.7	191.7	184.0	176.4	178.9
30°	3524.5	3028.7	1157.8	467.7	319.5	245.4	204.5	184.0	176.4	166.1	166.1
32.5°	3905.3	3320.0	1150.1	523.9	337.4	240.2	194.2	173.8	166.1	158.5	158.5
35°	4296.4	3585.8	1193.6	598.1	373.2	232.6	181.5	163.6	155.9	150.8	148.2
37.5°	4669.5	3798.0	1234.5	644.1	352.7	199.4	166.1	150.8	143.1	132.9	132.9
40°	4917.4	3913.0	1242.1	608.3	291.4	178.9	150.8	135.5	125.2	120.1	117.6
42.5°	5098.9	3987.1	1155.2	493.3	253.0	163.6	138.0	122.7	115.0	109.9	109.9
45°	5173.0	3961.5	1007.0	375.7	232.6	150.8	125.2	112.5	107.3	102.2	102.2
47.5°	5162.8	3844.0	856.2	301.6	212.1	138.0	117.6	107.3	102.2	97.1	94.6
50°	5144.9	3734.1	702.9	268.4	189.1	130.3	109.9	102.2	94.6	89.5	86.9
52.5°	5262.5	3698.3	582.7	245.4	176.4	125.2	107.3	97.1	89.5	84.3	84.3
55°	5380.0	3713.6	457.5	230.0	163.6	122.7	104.8	94.6	86.9	79.2	79.2
57.5°	5372.4	3647.2	347.6	214.7	153.4	120.1	102.2	92.0	79.2	74.1	74.1
60°	*4884.2*	*3253.6*	*270.9*	*196.8*	*140.6*	*112.5*	*94.6*	*86.9*	*74.1*	*66.5*	*66.5*
62.5°	4130.2	2558.4	222.4	173.8	125.2	102.2	86.9	79.2	66.5	53.7	53.7
65°	3051.7	1845.3	178.9	150.8	115.0	89.5	79.2	69.0	53.7	43.4	40.9
67.5°	2065.1	1134.8	143.1	125.2	102.2	76.7	66.5	58.8	48.6	35.8	33.2
70°	1224.2	603.2	104.8	86.9	76.7	56.2	56.2	51.1	40.9	30.7	28.1
72.5°	582.7	209.6	76.7	63.9	58.8	40.9	43.4	43.4	33.2	23.0	20.4
75°	296.5	102.2	51.1	46.0	38.3	30.7	35.8	33.2	23.0	15.3	15.3
77.5°	168.7	71.6	35.8	30.7	25.6	20.4	23.0	20.4	12.8	7.7	7.7
80°	94.6	51.1	23.0	20.4	15.3	12.8	12.8	10.2	7.7	2.6	2.6
82.5°	35.8	30.7	15.3	10.2	7.7	7.7	5.1	5.1	2.6	0.0	0.0
85°	15.3	7.7	7.7	5.1	5.1	2.6	2.6	2.6	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	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°	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2
2.5°	1467.0	1472.2	1477.3	1497.7	1502.8	1518.2	1530.9	1546.3	1548.8	1569.3	1569.3
5°	1265.1	1262.6	1306.0	1369.9	1410.8	1467.0	1510.5	1556.5	1582.1	1615.3	1630.6
7.5°	838.3	902.2	999.3	1111.8	1257.5	1392.9	1495.2	1584.6	1646.0	1684.3	1699.6
10°	416.6	452.4	554.6	738.6	986.6	1262.6	1479.8	1646.0	1745.6	1789.1	1817.2
12.5°	293.9	301.6	319.5	419.2	656.8	1047.9	1431.3	1712.4	1850.4	1932.2	1968.0
15°	263.3	268.4	276.0	304.1	406.4	782.1	1344.4	1786.5	2014.0	2108.6	2154.6
17.5°	242.8	245.4	253.0	276.0	319.5	531.6	1203.8	1865.8	2210.8	2325.8	2412.7
20°	224.9	224.9	232.6	260.7	296.5	408.9	1001.9	1955.2	2461.3	2627.4	2714.3
22.5°	204.5	209.6	214.7	245.4	288.8	373.2	812.8	2024.2	2739.9	2941.8	3044.0
25°	189.1	194.2	199.4	230.0	281.1	373.2	702.9	2067.7	3051.7	3291.9	3432.5
27.5°	176.4	181.5	189.1	219.8	273.5	388.5	659.4	2080.4	3391.6	3703.4	3892.5
30°	166.1	171.2	178.9	212.1	278.6	406.4	674.7	2062.6	3736.6	4127.7	4352.6
32.5°	155.9	161.0	168.7	204.5	278.6	429.4	725.9	2026.8	4071.4	4551.9	4828.0
35°	148.2	150.8	153.4	184.0	253.0	426.8	789.8	1991.0	4408.8	4971.1	5293.1
37.5°	132.9	135.5	140.6	158.5	201.9	388.5	802.5	1947.5	4674.6	5323.8	5679.1
40°	117.6	122.7	127.8	145.7	168.7	314.4	746.3	1855.5	4815.2	5594.7	6026.7
42.5°	107.3	109.9	115.0	132.9	155.9	250.5	626.2	1694.5	4940.4	5778.7	6279.7
45°	99.7	102.2	107.3	120.1	145.7	217.2	493.3	1497.7	4950.7	5837.5	6402.4
47.5°	92.0	94.6	97.1	109.9	140.6	194.2	378.3	1318.8	4948.1	5914.2	6507.2
50°	86.9	89.5	94.6	104.8	132.9	173.8	311.8	1173.1	5055.4	6080.3	6719.3
52.5°	84.3	84.3	92.0	102.2	125.2	158.5	260.7	1042.8	5111.7	6243.9	6872.6
55°	79.2	81.8	86.9	97.1	117.6	150.8	222.4	879.2	5137.2	6325.7	6900.8
57.5°	74.1	76.7	84.3	92.0	112.5	143.1	191.7	656.8	4771.7	5898.9	6430.5
60°	*66.5*	*71.6*	*81.8*	*89.5*	*104.8*	*130.3*	*168.7*	*444.7*	*4025.4*	*5127.0*	*5571.7*
62.5°	53.7	63.9	74.1	79.2	94.6	109.9	143.1	296.5	3215.2	4242.7	4748.7
65°	40.9	53.7	61.3	69.0	79.2	92.0	120.1	201.9	2144.3	2854.9	3424.8
67.5°	35.8	46.0	51.1	56.2	66.5	79.2	97.1	140.6	1300.9	1715.0	2277.2
70°	28.1	38.3	43.4	40.9	51.1	61.3	69.0	94.6	664.5	930.3	1295.8
72.5°	20.4	30.7	33.2	33.2	30.7	43.4	51.1	66.5	288.8	452.4	587.8
75°	15.3	20.4	23.0	20.4	17.9	28.1	35.8	43.4	189.1	270.9	342.5
77.5°	7.7	7.7	12.8	12.8	7.7	15.3	17.9	25.6	107.3	158.5	196.8
80°	2.6	0.0	0.0	2.6	0.0	5.1	7.7	12.8	56.2	84.3	122.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	28.1	25.6	63.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	15.3
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: P1501909
CATALOG NUMBER: GSS-SB3A-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1564.2	*1564.2*	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2	1564.2
2.5°	1582.1	*1582.1*	1592.3	1607.6	1615.3	1620.4	1623.0	1628.1	1648.5	1643.4
5°	1648.5	*1653.6*	1661.3	1676.6	1694.5	1689.4	1689.4	1689.4	1702.2	1692.0
7.5°	1735.4	*1750.7*	1753.3	1771.2	1758.4	1732.9	1717.5	1694.5	1692.0	1692.0
10°	1876.0	*1870.9*	1870.9	1847.9	1801.9	1727.7	1661.3	1615.3	1589.7	1592.3
12.5°	2026.8	*2006.3*	2008.9	1924.5	1794.2	1630.6	1495.2	1395.5	1387.8	1380.2
15°	2213.4	*2159.7*	2149.5	1955.2	1679.2	1428.7	1295.8	1216.6	1191.0	1183.4
17.5°	2479.2	*2343.7*	2295.1	1901.5	1528.4	1303.5	1203.8	1168.0	1165.5	1162.9
20°	2760.3	*2491.9*	2399.9	1822.3	1477.3	1306.0	1231.9	1221.7	1216.6	1219.1
22.5°	3087.4	*2586.5*	2468.9	1835.1	1523.3	1390.4	1331.6	1323.9	1318.8	1323.9
25°	3424.8	*2696.4*	2550.7	1937.3	1661.3	1546.3	1477.3	1461.9	1477.3	1500.3
27.5°	3764.7	*2844.6*	2711.7	2139.2	1883.6	1758.4	1692.0	1748.2	1771.2	1773.7
30°	4066.3	*3051.7*	2929.0	2422.9	2136.7	2011.4	2024.2	2095.8	2123.9	2152.0
32.5°	4342.4	*3327.7*	3233.1	2745.0	2463.8	2389.7	2382.0	2435.7	2466.4	2448.5
35°	4620.9	*3688.1*	3596.1	3095.1	2865.1	2803.7	2739.9	2844.6	2834.4	2806.3
37.5°	4884.2	*4051.0*	3966.7	3470.8	3233.1	3125.8	3115.6	3210.1	3294.5	3289.4
40°	5073.3	*4344.9*	4242.7	3844.0	3619.1	3527.1	3580.7	3744.3	3723.8	3695.7
42.5°	5247.1	*4595.4*	4503.4	4171.1	3936.0	3976.9	4025.4	4135.3	4122.6	4094.4
45°	5328.9	*4810.1*	4730.8	4419.0	4304.0	4434.4	4431.8	4472.7	4403.7	4393.5
47.5°	5443.9	*4963.4*	4881.6	4641.4	4743.6	4797.3	4646.5	4603.1	4539.2	4488.0
50°	5656.1	*5201.1*	5119.3	4978.8	5065.7	4899.5	4715.5	4620.9	4490.6	4401.1
52.5°	5904.0	*5561.5*	5489.9	5433.7	5190.9	4848.4	4613.3	4442.0	4283.6	4206.9
55°	6215.8	*6093.1*	6042.0	5732.7	5078.4	4638.8	4362.8	4043.3	3826.1	3754.5
57.5°	6318.0	*6872.6*	6854.7	5781.3	4764.1	4258.0	3759.6	3327.7	3102.8	3056.8
60°	*6016.4*	*7483.5*	*7419.6*	*5699.5*	*4194.1*	*3455.5*	*2872.8*	*2430.6*	*2065.1*	*2011.4*
62.5°	5630.5	*7015.8*	6992.8	5288.0	3194.8	2476.6	2146.9	1732.9	1576.9	1536.1
65°	4822.9	*5740.4*	5750.6	4242.7	2021.7	1778.9	1763.5	1377.6	1185.9	1155.2
67.5°	3713.6	*4403.7*	4332.1	2668.3	1178.2	1423.6	1408.3	1007.0	728.4	708.0
70°	2169.9	*3279.1*	3164.1	1387.8	779.5	1188.5	1083.7	708.0	495.8	472.8
72.5°	958.4	*1804.4*	1937.3	610.8	549.5	945.7	782.1	434.5	278.6	273.5
75°	531.6	*894.5*	935.4	265.8	385.9	672.2	472.8	242.8	158.5	155.9
77.5°	319.5	*396.2*	385.9	171.2	288.8	429.4	286.3	138.0	99.7	94.6
80°	178.9	*181.5*	153.4	125.2	171.2	240.2	161.0	86.9	46.0	46.0
82.5°	109.9	*99.7*	79.2	38.3	46.0	145.7	58.8	48.6	15.3	15.3
85°	46.0	*30.7*	20.4	7.7	17.9	38.3	20.4	23.0	7.7	7.7
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

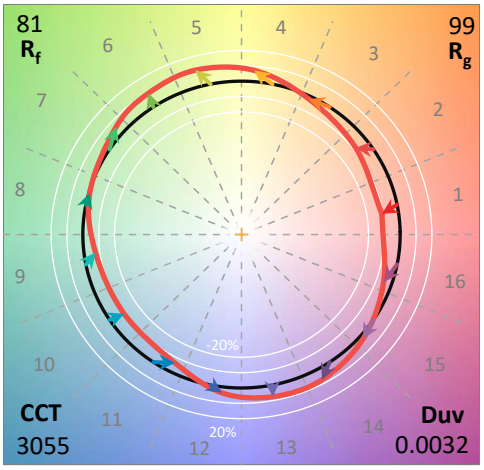
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

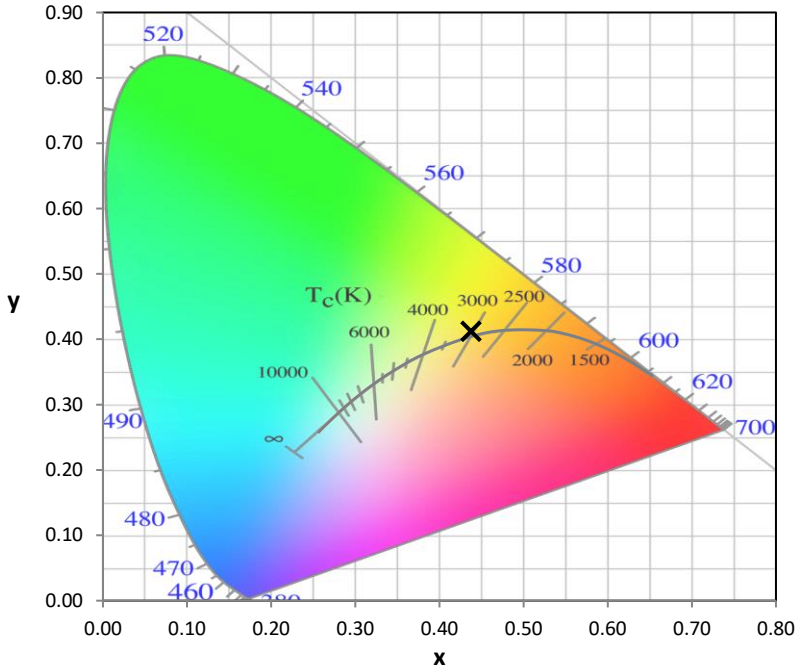
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

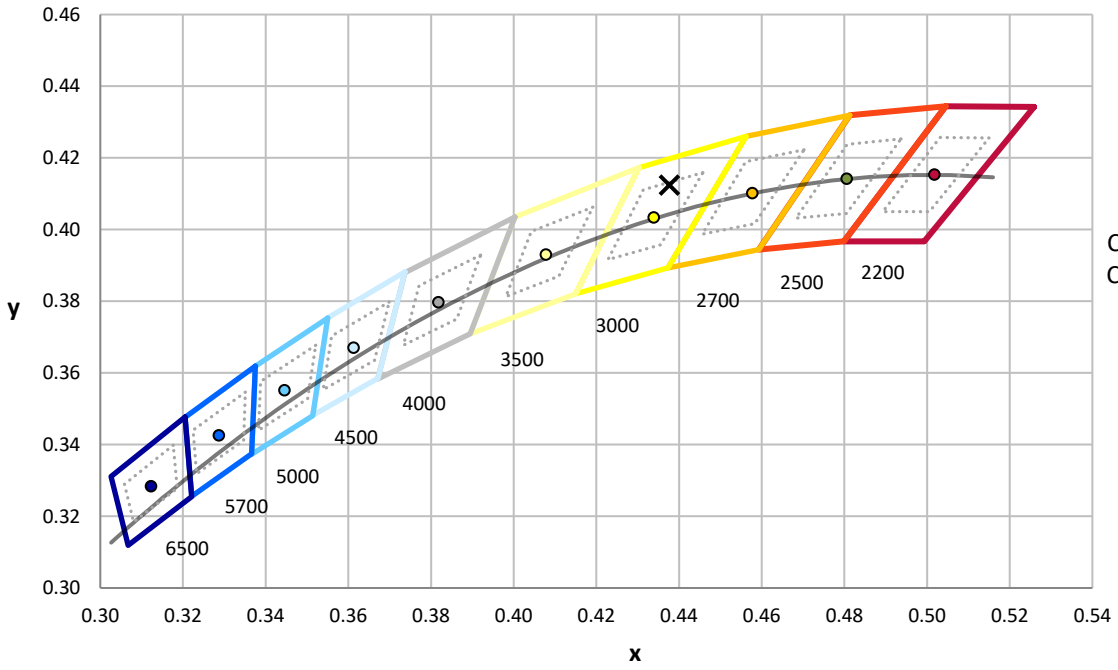
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

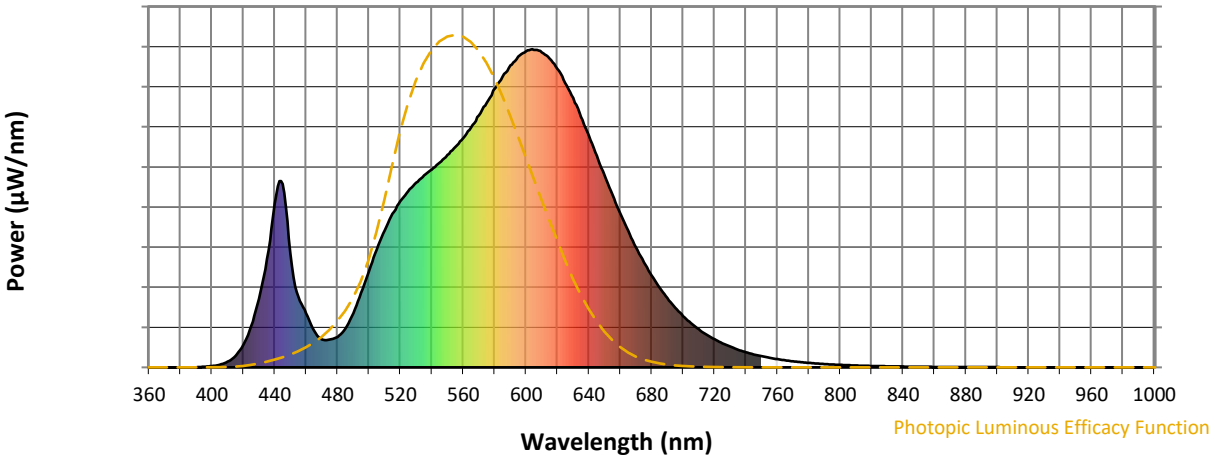


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

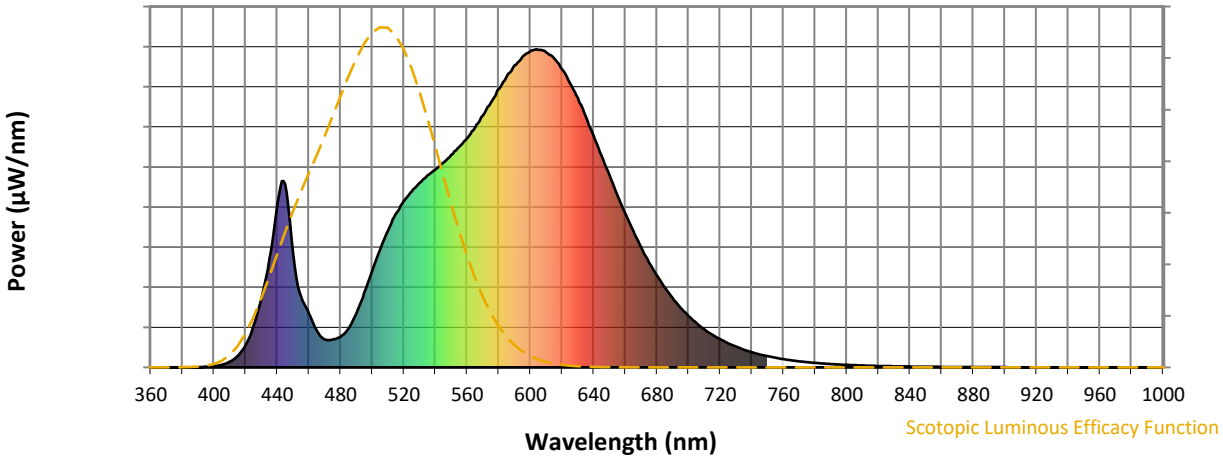


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

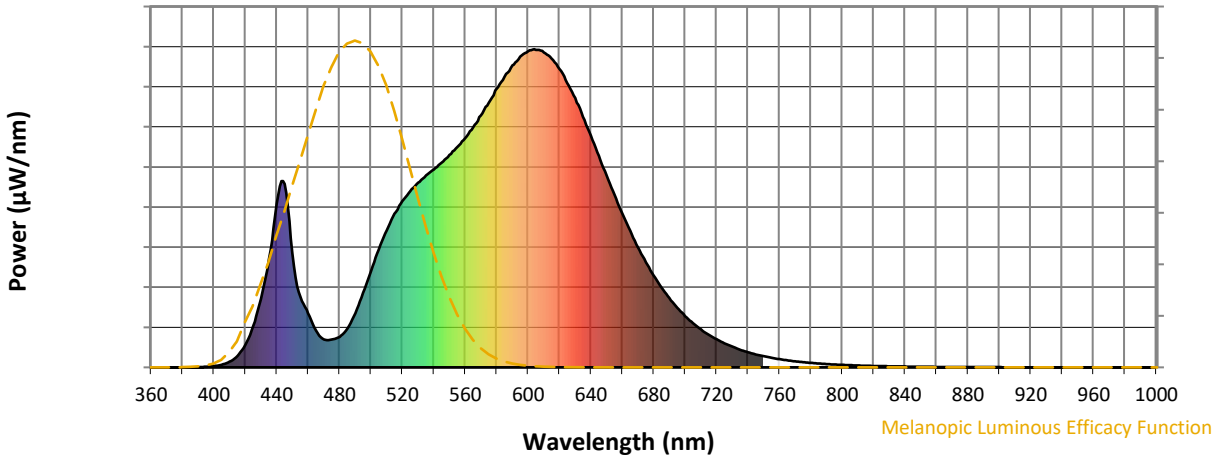


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

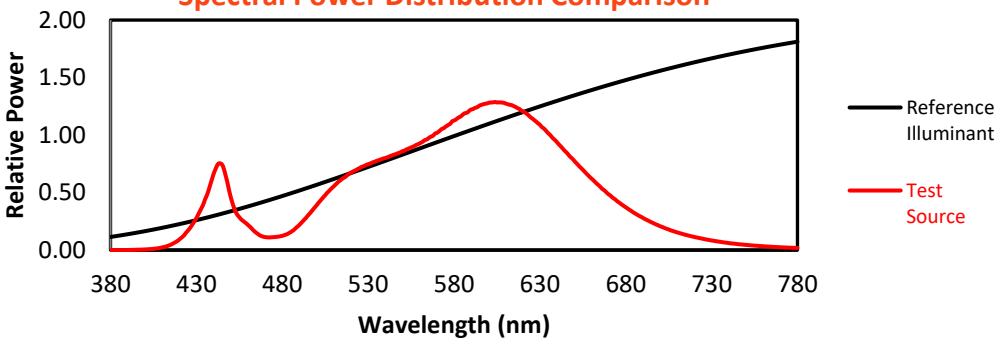
REPORT NUMBER: SP1-2407-184-9

TM-30-18

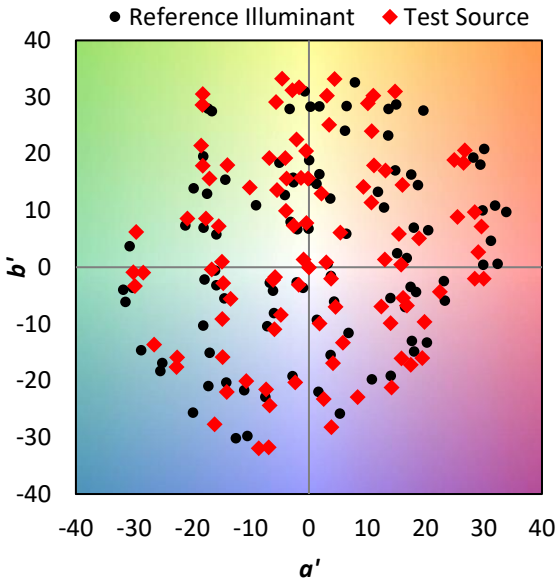
Summary

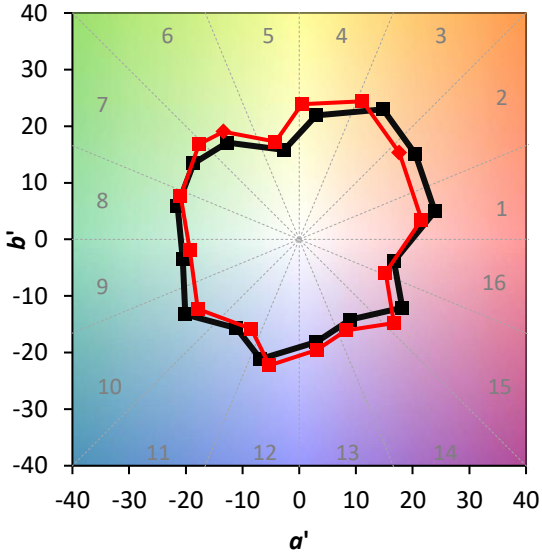
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

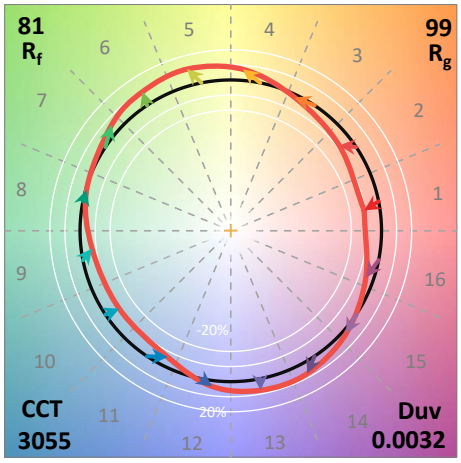
Spectral Power Distribution Comparison

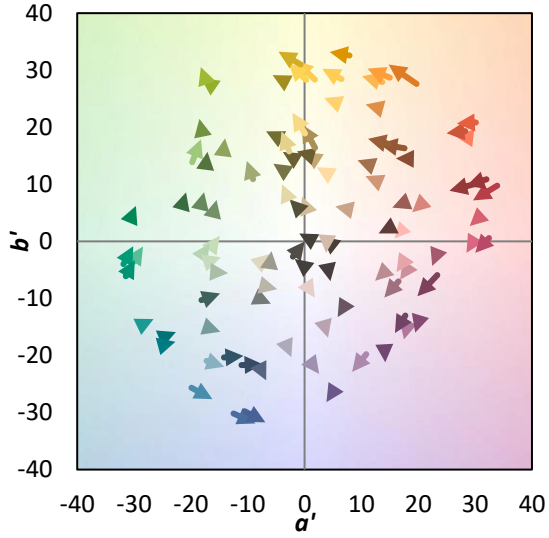


Color Vector Graphics







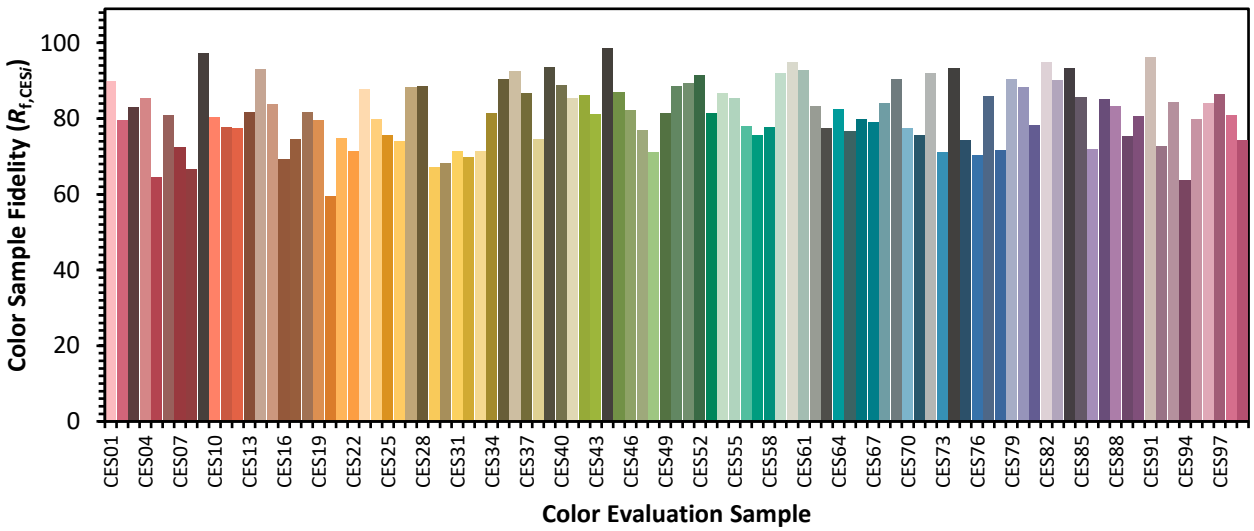


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

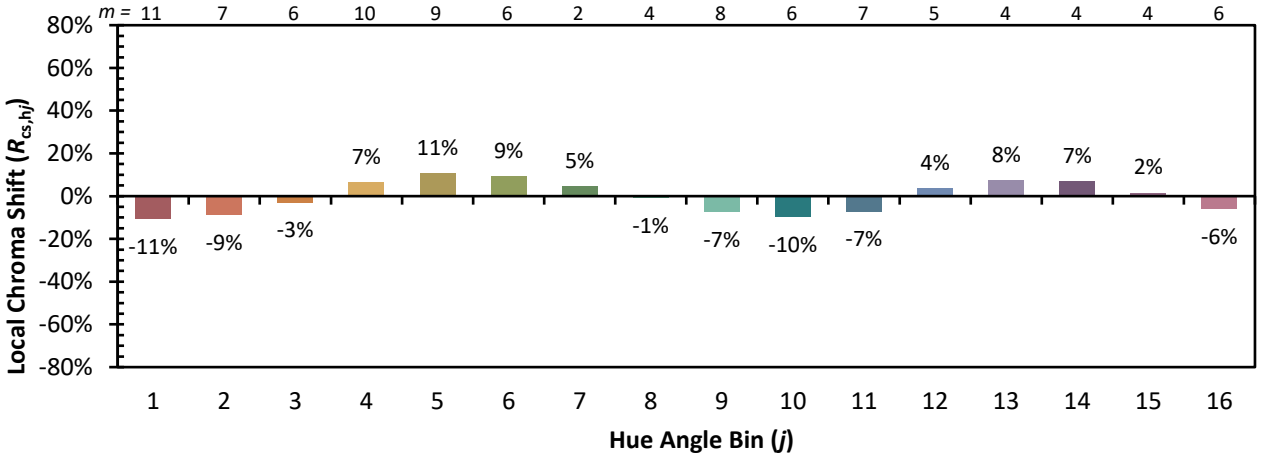
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

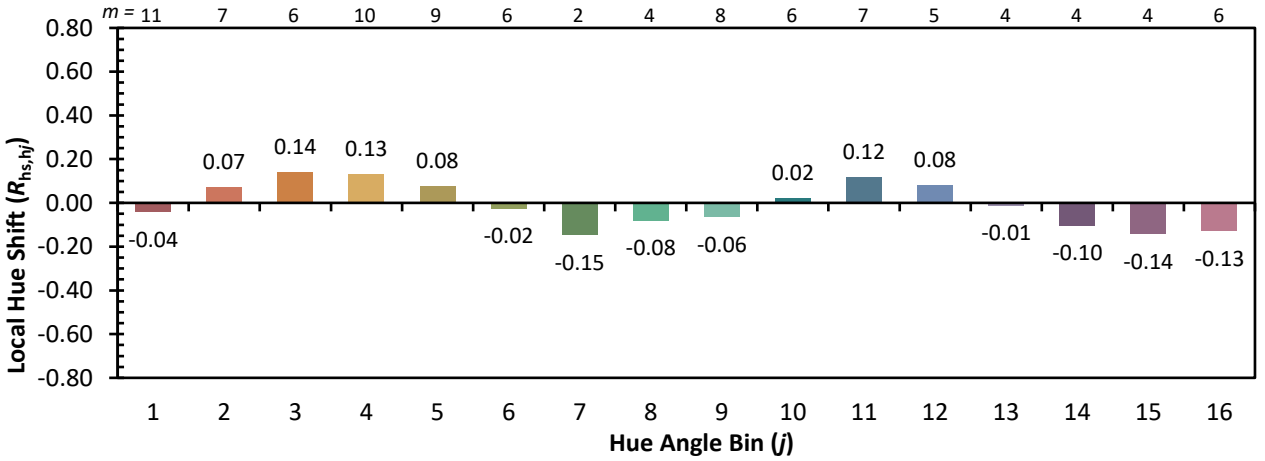


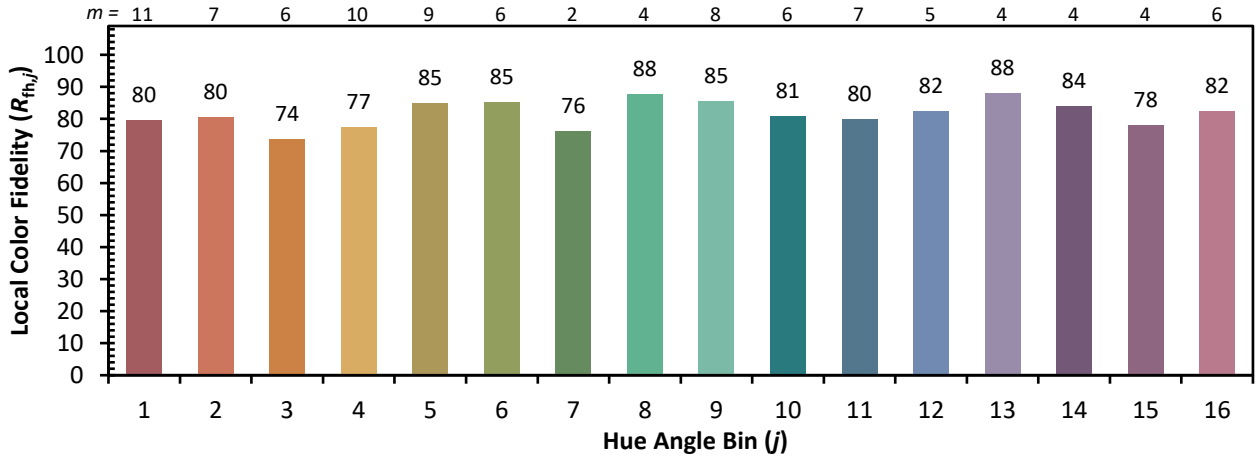
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Color Rendition by Hue-Angle Bin



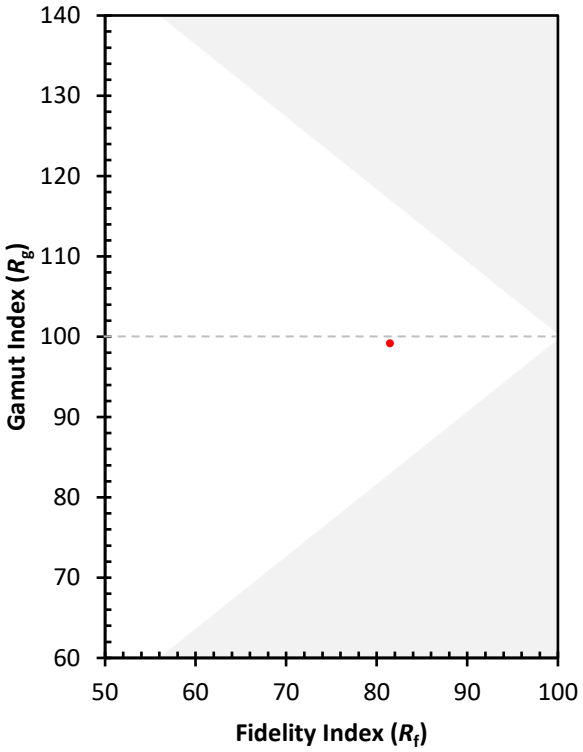


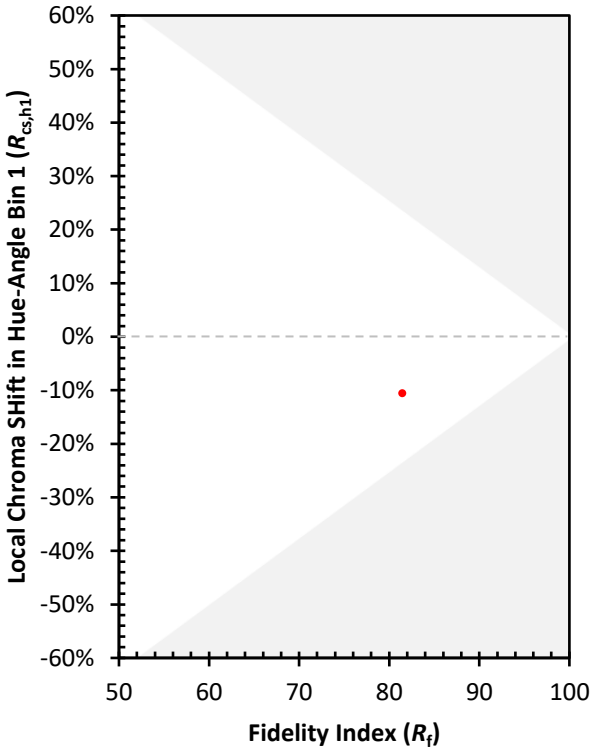


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Measure Comparisons





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