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: P1501952

Luminaire Tested: GSS-SB1D-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:	P1501952
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-840-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7214.6 lumens
Efficiency:	N/A
Efficacy:	94.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

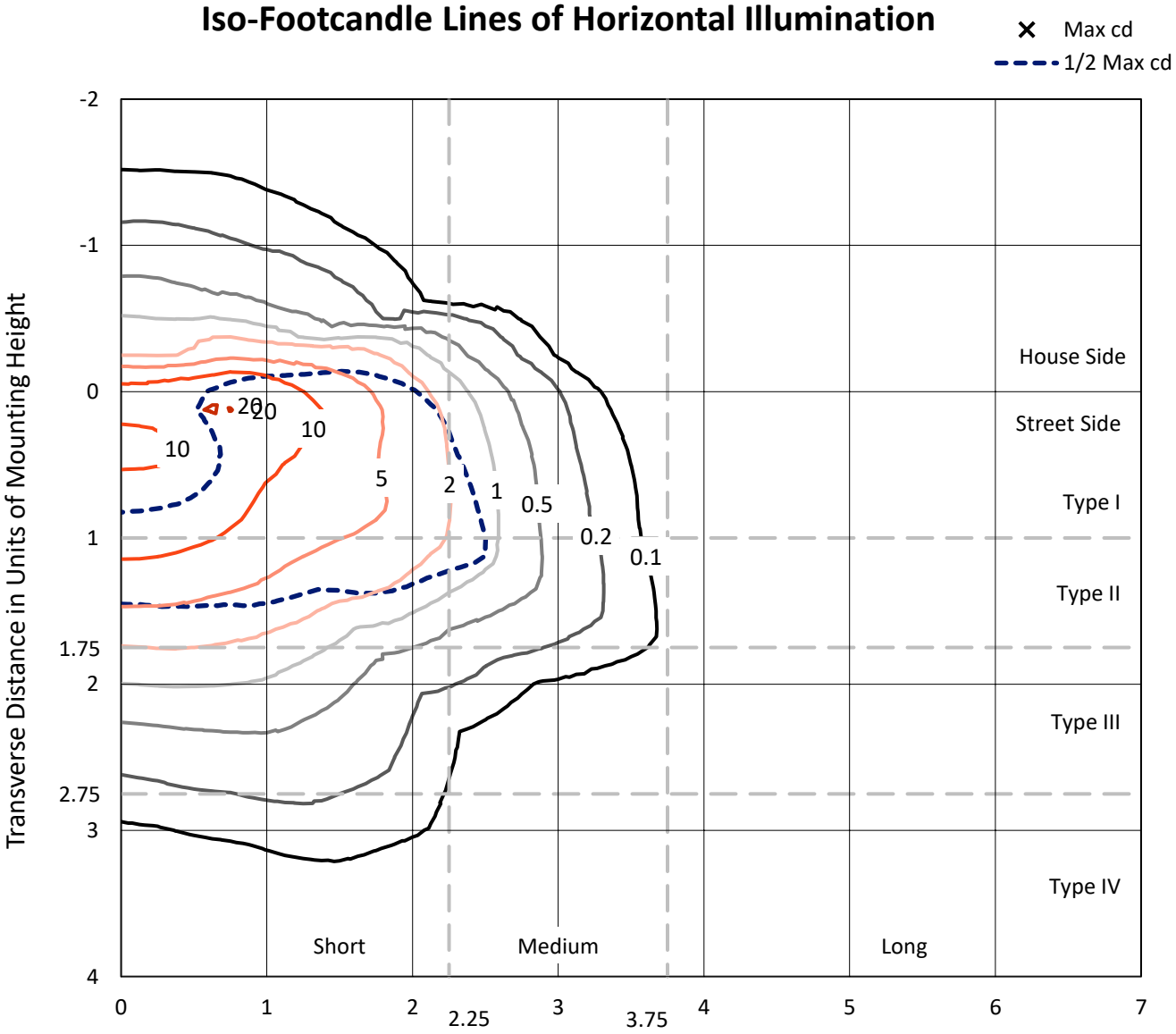
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



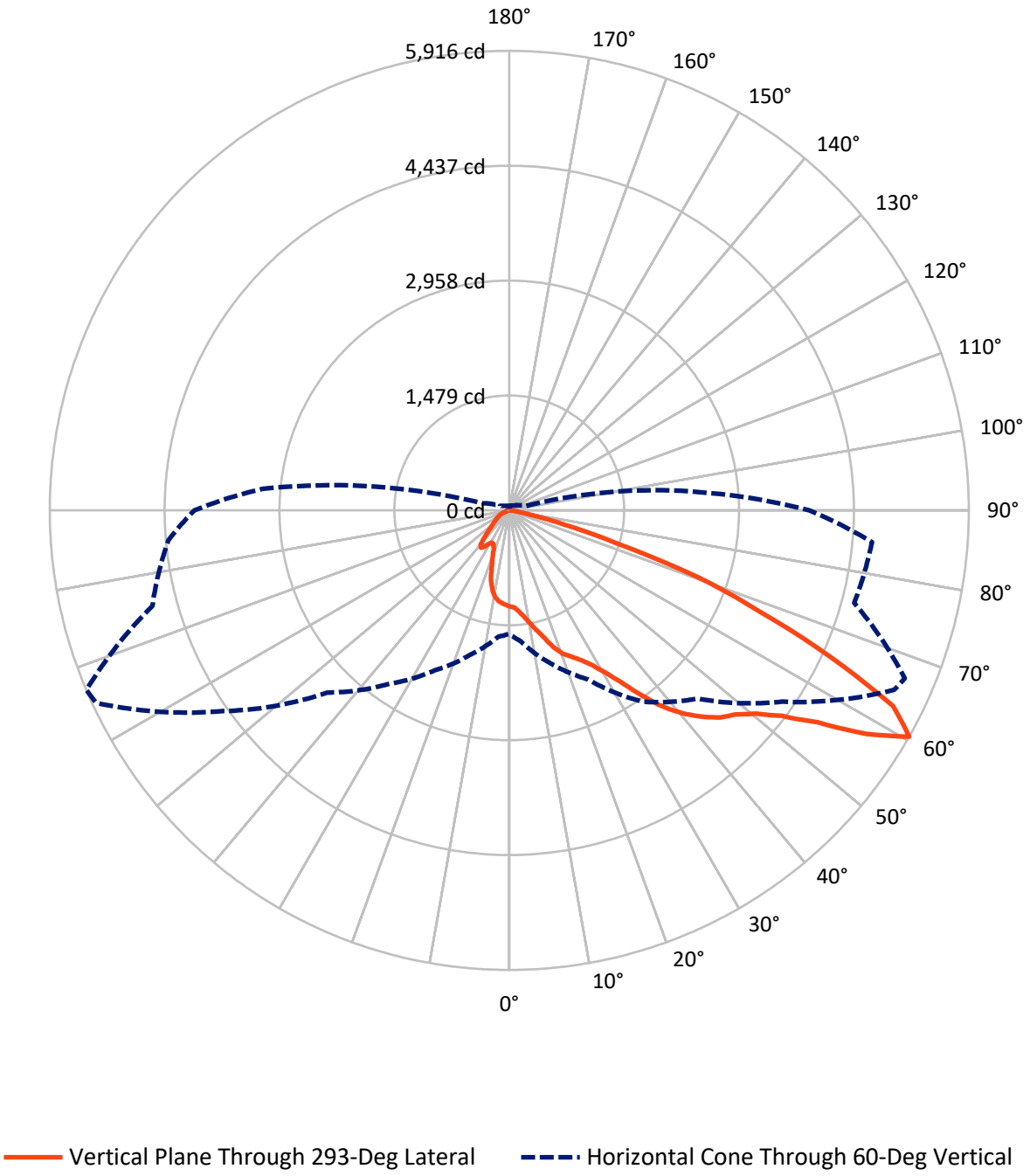
Based on 10 foot mounting height. Maximum calculated value = 20.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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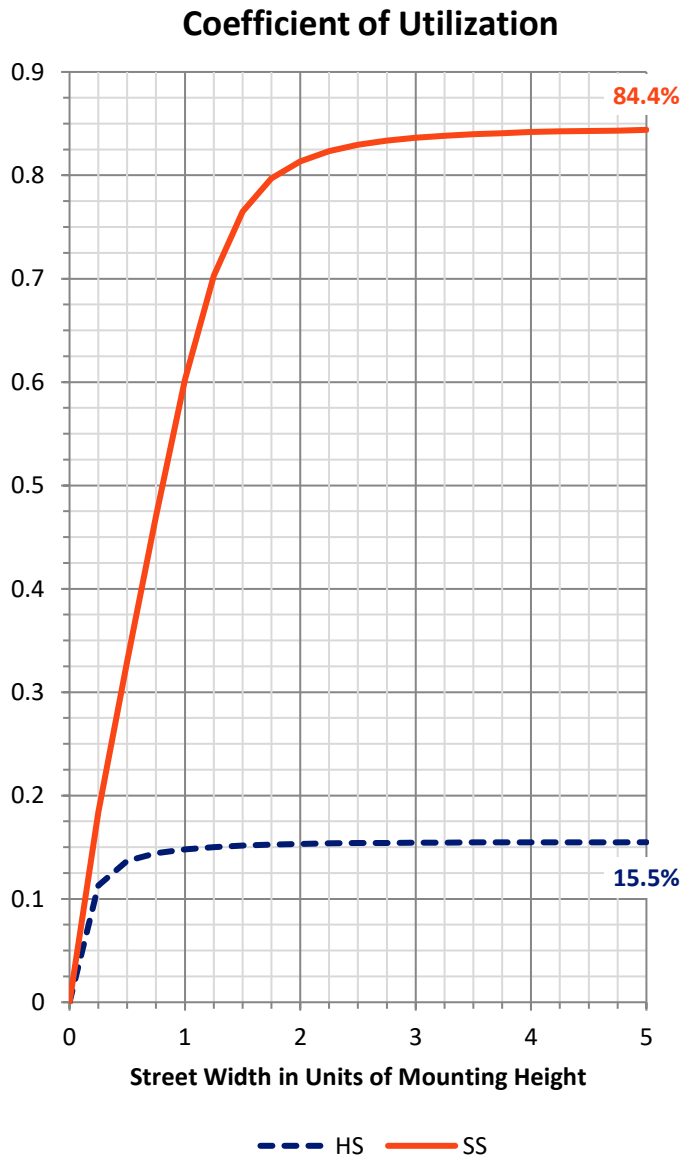
REPORT NUMBER: P1501952
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1125.7	0.0	1125.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	6089.0	0.0	6089.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	7214.6	0.0	7214.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.6
10°-20°	282.0	3.9
20°-30°	526.4	7.3
30°-40°	1043.9	14.5
40°-50°	1664.4	23.1
50°-60°	1988.6	27.6
60°-70°	1303.6	18.1
70°-80°	273.1	3.8
80°-90°	20.7	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°	7214.6	100.0
0°-180°	7214.6	100.0



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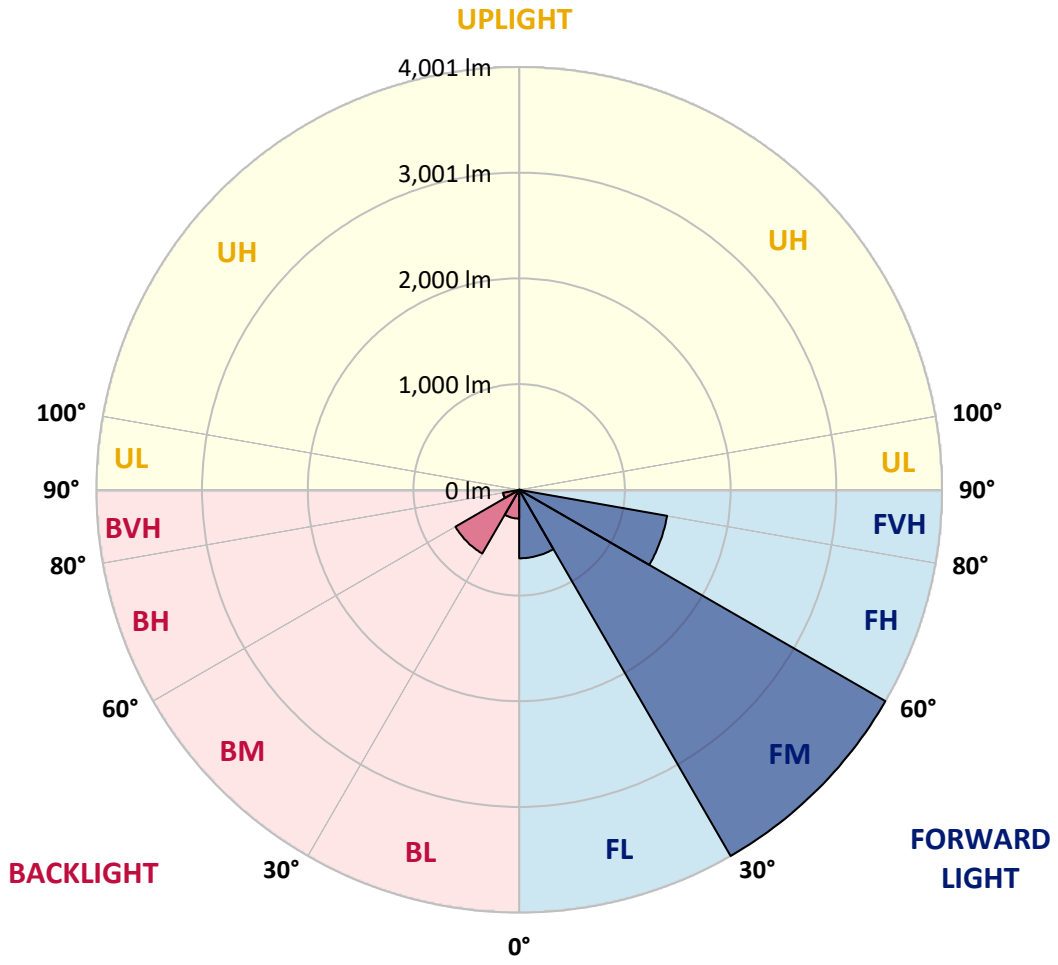
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	648.0	9.0			
FM	(30°-60°)	4000.8	55.5			
FH	(60°-80°)	1421.2	19.7			G1/1800
FVH	(80°-90°)	18.9	0.3			G1/100
BL	(0°-30°)	272.3	3.8	B1/500		
BM	(30°-60°)	696.1	9.6	B1/1000		
BH	(60°-80°)	155.5	2.2	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5
2.5°	1299.1	1295.1	1289.0	1291.1	1289.0	1281.0	1268.8	1258.7	1266.8	1254.7	1246.6
5°	1337.5	1337.5	1333.5	1333.5	1335.5	1331.5	1323.4	1309.3	1311.3	1301.2	1274.9
7.5°	1337.5	1331.5	1341.6	1351.7	1369.9	1380.0	1384.0	1375.9	1380.0	1359.8	1325.4
10°	1258.7	1254.7	1281.0	1319.4	1371.9	1418.4	1448.7	1450.7	1456.7	1436.5	1396.1
12.5°	1091.0	1083.0	1135.5	1208.2	1315.3	1422.4	1507.3	1539.6	1553.7	1545.6	1489.1
15°	935.5	945.6	981.9	1060.7	1204.2	1367.8	1539.6	1646.7	1666.9	1677.0	1610.3
17.5°	919.3	921.3	933.4	971.8	1080.9	1278.9	1543.6	1757.8	1786.1	1830.5	1739.6
20°	963.8	959.7	971.8	984.0	1036.5	1200.1	1505.2	1864.9	1919.4	2014.4	1915.4
22.5°	1046.6	1046.6	1052.7	1060.7	1087.0	1194.1	1489.1	1963.9	2056.8	2250.8	2135.6
25°	1186.0	1169.8	1173.9	1163.8	1186.0	1266.8	1525.4	2042.7	2170.0	2513.4	2398.3
27.5°	1402.2	1408.3	1371.9	1317.3	1329.5	1398.2	1614.3	2131.6	2287.1	2786.2	2665.0
30°	1701.2	1691.1	1668.9	1561.8	1513.3	1573.9	1778.0	2277.0	2444.7	3131.7	3020.6
32.5°	1935.6	1963.9	1925.5	1850.7	1776.0	1794.2	2008.3	2511.4	2636.7	3448.9	3388.3
35°	2218.5	2218.5	2226.5	2121.5	2071.0	2066.9	2297.3	2766.0	2891.3	3735.8	3778.2
37.5°	2600.3	2574.1	2529.6	2412.4	2374.0	2424.5	2568.0	3028.7	3164.0	3968.2	4081.3
40°	2921.6	2939.8	2933.7	2764.0	2689.2	2743.8	2871.1	3252.9	3358.0	4117.7	4325.8
42.5°	3236.8	3246.9	3220.6	3139.8	3030.7	3034.7	3139.8	3422.6	3529.7	4261.1	4556.1
45°	3473.2	3471.1	3452.9	3432.7	3368.1	3301.4	3319.6	3610.5	3703.5	4307.6	4681.4
47.5°	3547.9	3564.1	3580.2	3636.8	3681.3	3576.2	3483.3	3711.6	3796.4	4299.5	4727.9
50°	3479.2	3513.6	3592.4	3677.2	3828.8	3820.7	3620.6	3820.7	3903.5	4344.0	4782.4
52.5°	3325.7	3360.0	3465.1	3618.6	3846.9	3960.1	3875.2	4004.5	4101.5	4457.1	4895.6
55°	2968.0	2982.2	3198.4	3400.4	3756.0	3899.5	4148.0	4315.7	4396.5	4594.5	5045.1
57.5°	2416.5	2450.8	2663.0	2992.3	3501.4	3739.9	4303.6	4847.1	4845.0	4725.8	5077.4
60°	*1590.1*	*1691.1*	*2036.6*	*2400.3*	*3008.5*	*3426.7*	*4293.5*	*5469.4*	*5532.0*	*4596.5*	*4687.4*
62.5°	1214.3	1256.7	1452.7	1755.8	2226.5	2840.8	4226.8	5655.2	5703.7	4249.0	4103.5
65°	913.2	965.8	1153.7	1424.4	1571.9	1925.5	3790.4	4915.8	4982.4	3792.4	3190.3
67.5°	559.7	602.1	852.6	1169.8	1190.0	1196.1	2557.9	3723.7	3747.9	3059.0	2147.7
70°	373.8	416.2	590.0	899.1	947.6	689.0	1404.2	2818.5	2816.5	2093.2	1305.2
72.5°	216.2	236.4	373.8	662.7	745.5	438.4	701.1	1792.1	1713.3	984.0	610.2
75°	123.2	137.4	206.1	426.3	523.3	278.8	276.8	959.7	848.6	507.1	333.4
77.5°	74.8	80.8	113.1	278.8	315.2	187.9	153.6	446.5	430.4	297.0	175.8
80°	36.4	42.4	68.7	163.7	202.0	101.0	92.9	175.8	187.9	163.7	92.9
82.5°	12.1	16.2	38.4	62.6	131.3	40.4	38.4	97.0	103.0	97.0	44.4
85°	6.1	8.1	18.2	20.2	50.5	20.2	14.1	42.4	52.5	32.3	18.2
87.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5
2.5°	1240.6	1236.5	1228.4	1214.3	1212.3	1202.2	1186.0	1175.9	1167.8	1173.9	1175.9
5°	1262.8	1252.7	1228.4	1190.0	1149.6	1109.2	1070.8	1026.4	996.1	992.0	984.0
7.5°	1303.2	1283.0	1230.5	1155.7	1052.7	955.7	842.5	733.4	678.9	670.8	652.6
10°	1367.8	1333.5	1246.6	1095.1	897.1	695.0	523.3	406.1	339.4	327.3	331.4
12.5°	1444.6	1396.1	1248.6	992.0	682.9	430.4	297.0	252.6	238.4	232.4	232.4
15°	1543.6	1472.9	1246.6	858.7	460.7	276.8	238.4	220.2	214.2	210.1	210.1
17.5°	1668.9	1576.0	1232.5	658.7	311.1	240.4	218.2	204.1	196.0	194.0	194.0
20°	1816.4	1691.1	1200.1	491.0	260.6	224.3	206.1	187.9	181.8	177.8	177.8
22.5°	2004.3	1830.5	1137.5	381.9	246.5	214.2	194.0	173.8	167.7	163.7	163.7
25°	2222.5	2008.3	1054.7	343.5	244.5	206.1	181.8	161.6	155.6	153.6	151.5
27.5°	2481.1	2198.3	977.9	345.5	248.5	200.0	169.7	151.5	145.5	139.4	141.4
30°	2786.2	2394.2	915.3	369.7	252.6	194.0	161.6	145.5	139.4	131.3	131.3
32.5°	3087.2	2624.6	909.2	414.2	266.7	189.9	153.6	137.4	131.3	125.3	125.3
35°	3396.4	2834.7	943.6	472.8	295.0	183.9	143.5	129.3	123.2	119.2	117.2
37.5°	3691.4	3002.4	975.9	509.2	278.8	157.6	131.3	119.2	113.1	105.1	105.1
40°	3887.3	3093.3	981.9	480.9	230.3	141.4	119.2	107.1	99.0	95.0	92.9
42.5°	4030.8	3151.9	913.2	389.9	200.0	129.3	109.1	97.0	90.9	86.9	86.9
45°	4089.4	3131.7	796.1	297.0	183.9	119.2	99.0	88.9	84.9	80.8	80.8
47.5°	4081.3	3038.8	676.9	238.4	167.7	109.1	92.9	84.9	80.8	76.8	74.8
50°	4067.2	2951.9	555.6	212.1	149.5	103.0	86.9	80.8	74.8	70.7	68.7
52.5°	4160.1	2923.6	460.7	194.0	139.4	99.0	84.9	76.8	70.7	66.7	66.7
55°	4253.0	2935.7	361.7	181.8	129.3	97.0	82.8	74.8	68.7	62.6	62.6
57.5°	4247.0	2883.2	274.8	169.7	121.2	95.0	80.8	72.7	62.6	58.6	58.6
60°	*3861.1*	*2572.0*	*214.2*	*155.6*	*111.1*	*88.9*	*74.8*	*68.7*	*58.6*	*52.5*	*52.5*
62.5°	3265.0	2022.5	175.8	137.4	99.0	80.8	68.7	62.6	52.5	42.4	42.4
65°	2412.4	1458.8	141.4	119.2	90.9	70.7	62.6	54.6	42.4	34.3	32.3
67.5°	1632.5	897.1	113.1	99.0	80.8	60.6	52.5	46.5	38.4	28.3	26.3
70°	967.8	476.8	82.8	68.7	60.6	44.4	44.4	40.4	32.3	24.2	22.2
72.5°	460.7	165.7	60.6	50.5	46.5	32.3	34.3	34.3	26.3	18.2	16.2
75°	234.4	80.8	40.4	36.4	30.3	24.2	28.3	26.3	18.2	12.1	12.1
77.5°	133.3	56.6	28.3	24.2	20.2	16.2	18.2	16.2	10.1	6.1	6.1
80°	74.8	40.4	18.2	16.2	12.1	10.1	10.1	8.1	6.1	2.0	2.0
82.5°	28.3	24.2	12.1	8.1	6.1	6.1	4.0	4.0	2.0	0.0	0.0
85°	12.1	6.1	6.1	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5
2.5°	1159.7	1163.8	1167.8	1184.0	1188.0	1200.1	1210.2	1222.4	1224.4	1240.6	1240.6
5°	1000.1	998.1	1032.5	1083.0	1115.3	1159.7	1194.1	1230.5	1250.7	1276.9	1289.0
7.5°	662.7	713.2	790.0	878.9	994.1	1101.1	1182.0	1252.7	1301.2	1331.5	1343.6
10°	329.3	357.6	438.4	583.9	779.9	998.1	1169.8	1301.2	1380.0	1414.3	1436.5
12.5°	232.4	238.4	252.6	331.4	519.3	828.4	1131.5	1353.7	1462.8	1527.5	1555.7
15°	208.1	212.1	218.2	240.4	321.3	618.3	1062.8	1412.3	1592.1	1666.9	1703.2
17.5°	191.9	194.0	200.0	218.2	252.6	420.3	951.6	1474.9	1747.7	1838.6	1907.3
20°	177.8	177.8	183.9	206.1	234.4	323.3	792.0	1545.6	1945.7	2077.0	2145.7
22.5°	161.6	165.7	169.7	194.0	228.3	295.0	642.5	1600.2	2165.9	2325.5	2406.4
25°	149.5	153.6	157.6	181.8	222.2	295.0	555.6	1634.5	2412.4	2602.3	2713.5
27.5°	139.4	143.5	149.5	173.8	216.2	307.1	521.3	1644.6	2681.1	2927.6	3077.1
30°	131.3	135.4	141.4	167.7	220.2	321.3	533.4	1630.5	2953.9	3263.0	3440.8
32.5°	123.2	127.3	133.3	161.6	220.2	339.4	573.8	1602.2	3218.6	3598.4	3816.6
35°	117.2	119.2	121.2	145.5	200.0	337.4	624.3	1573.9	3485.3	3929.8	4184.4
37.5°	105.1	107.1	111.1	125.3	159.6	307.1	634.4	1539.6	3695.4	4208.6	4489.4
40°	92.9	97.0	101.0	115.2	133.3	248.5	590.0	1466.8	3806.5	4422.8	4764.2
42.5°	84.9	86.9	90.9	105.1	123.2	198.0	495.0	1339.6	3905.5	4568.2	4964.2
45°	78.8	80.8	84.9	95.0	115.2	171.7	389.9	1184.0	3913.6	4614.7	5061.2
47.5°	72.7	74.8	76.8	86.9	111.1	153.6	299.0	1042.6	3911.6	4675.3	5144.1
50°	68.7	70.7	74.8	82.8	105.1	137.4	246.5	927.4	3996.5	4806.7	5311.8
52.5°	66.7	66.7	72.7	80.8	99.0	125.3	206.1	824.3	4040.9	4936.0	5433.0
55°	62.6	64.7	68.7	76.8	92.9	119.2	175.8	695.0	4061.1	5000.6	5455.2
57.5°	58.6	60.6	66.7	72.7	88.9	113.1	151.5	519.3	3772.2	4663.2	5083.5
60°	*52.5*	*56.6*	*64.7*	*70.7*	*82.8*	*103.0*	*133.3*	*351.6*	*3182.2*	*4053.0*	*4404.6*
62.5°	42.4	50.5	58.6	62.6	74.8	86.9	113.1	234.4	2541.7	3353.9	3754.0
65°	32.3	42.4	48.5	54.6	62.6	72.7	95.0	159.6	1695.2	2256.8	2707.4
67.5°	28.3	36.4	40.4	44.4	52.5	62.6	76.8	111.1	1028.4	1355.7	1800.2
70°	22.2	30.3	34.3	32.3	40.4	48.5	54.6	74.8	525.3	735.4	1024.4
72.5°	16.2	24.2	26.3	26.3	24.2	34.3	40.4	52.5	228.3	357.6	464.7
75°	12.1	16.2	18.2	16.2	14.1	22.2	28.3	34.3	149.5	214.2	270.7
77.5°	6.1	6.1	10.1	10.1	6.1	12.1	14.1	20.2	84.9	125.3	155.6
80°	2.0	0.0	0.0	2.0	0.0	4.0	6.1	10.1	44.4	66.7	97.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	22.2	20.2	50.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	12.1
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: P1501952
CATALOG NUMBER: GSS-SB1D-840-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1236.5	*1236.5*	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5	1236.5
2.5°	1250.7	*1250.7*	1258.7	1270.9	1276.9	1281.0	1283.0	1287.0	1303.2	1299.1
5°	1303.2	*1307.2*	1313.3	1325.4	1339.6	1335.5	1335.5	1335.5	1345.6	1337.5
7.5°	1371.9	*1384.0*	1386.0	1400.2	1390.1	1369.9	1357.7	1339.6	1337.5	1337.5
10°	1483.0	*1479.0*	1479.0	1460.8	1424.4	1365.8	1313.3	1276.9	1256.7	1258.7
12.5°	1602.2	*1586.1*	1588.1	1521.4	1418.4	1289.0	1182.0	1103.2	1097.1	1091.0
15°	1749.7	*1707.3*	1699.2	1545.6	1327.4	1129.4	1024.4	961.7	941.5	935.5
17.5°	1959.8	*1852.8*	1814.4	1503.2	1208.2	1030.4	951.6	923.3	921.3	919.3
20°	2182.1	*1969.9*	1897.2	1440.6	1167.8	1032.5	973.9	965.8	961.7	963.8
22.5°	2440.7	*2044.7*	1951.8	1450.7	1204.2	1099.1	1052.7	1046.6	1042.6	1046.6
25°	2707.4	*2131.6*	2016.4	1531.5	1313.3	1222.4	1167.8	1155.7	1167.8	1186.0
27.5°	2976.1	*2248.8*	2143.7	1691.1	1489.1	1390.1	1337.5	1382.0	1400.2	1402.2
30°	3214.5	*2412.4*	2315.4	1915.4	1689.1	1590.1	1600.2	1656.8	1679.0	1701.2
32.5°	3432.7	*2630.6*	2555.9	2170.0	1947.7	1889.1	1883.1	1925.5	1949.7	1935.6
35°	3653.0	*2915.5*	2842.8	2446.8	2264.9	2216.4	2165.9	2248.8	2240.7	2218.5
37.5°	3861.1	*3202.4*	3135.7	2743.8	2555.9	2471.0	2462.9	2537.7	2604.4	2600.3
40°	4010.6	*3434.8*	3353.9	3038.8	2861.0	2788.2	2830.7	2960.0	2943.8	2921.6
42.5°	4148.0	*3632.8*	3560.0	3297.4	3111.5	3143.8	3182.2	3269.1	3259.0	3236.8
45°	4212.6	*3802.5*	3739.9	3493.4	3402.4	3505.5	3503.5	3535.8	3481.2	3473.2
47.5°	4303.6	*3923.7*	3859.1	3669.1	3750.0	3792.4	3673.2	3638.8	3588.3	3547.9
50°	4471.3	*4111.6*	4047.0	3935.8	4004.5	3873.2	3727.7	3653.0	3549.9	3479.2
52.5°	4667.2	*4396.5*	4339.9	4295.5	4103.5	3832.8	3646.9	3511.5	3386.3	3325.7
55°	4913.7	*4816.8*	4776.3	4531.9	4014.6	3667.1	3448.9	3196.4	3024.6	2968.0
57.5°	4994.6	*5433.0*	5418.8	4570.3	3766.1	3366.1	2972.1	2630.6	2452.8	2416.5
60°	*4756.1*	*5915.9*	*5865.4*	*4505.6*	*3315.6*	*2731.6*	*2271.0*	*1921.4*	*1632.5*	*1590.1*
62.5°	4451.1	*5546.1*	5528.0	4180.3	2525.6	1957.8	1697.2	1369.9	1246.6	1214.3
65°	3812.6	*4537.9*	4546.0	3353.9	1598.2	1406.2	1394.1	1089.0	937.5	913.2
67.5°	2935.7	*3481.2*	3424.7	2109.4	931.4	1125.4	1113.3	796.1	575.8	559.7
70°	1715.4	*2592.2*	2501.3	1097.1	616.2	939.5	856.7	559.7	392.0	373.8
72.5°	757.7	*1426.4*	1531.5	482.9	434.4	747.6	618.3	343.5	220.2	216.2
75°	420.3	*707.2*	739.5	210.1	305.1	531.4	373.8	191.9	125.3	123.2
77.5°	252.6	*313.2*	305.1	135.4	228.3	339.4	226.3	109.1	78.8	74.8
80°	141.4	*143.5*	121.2	99.0	135.4	189.9	127.3	68.7	36.4	36.4
82.5°	86.9	*78.8*	62.6	30.3	36.4	115.2	46.5	38.4	12.1	12.1
85°	36.4	*24.2*	16.2	6.1	14.1	30.3	16.2	18.2	6.1	6.1
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: SP1-2407-184-11

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

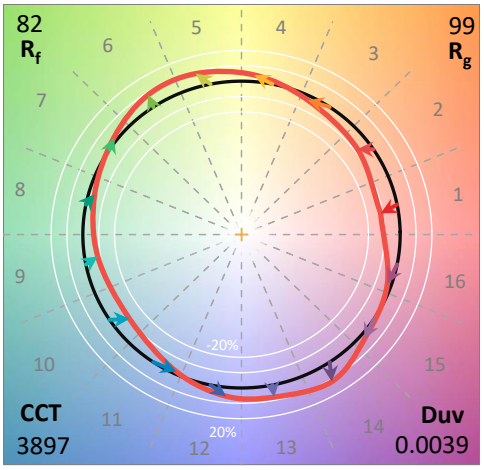
Test Information

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

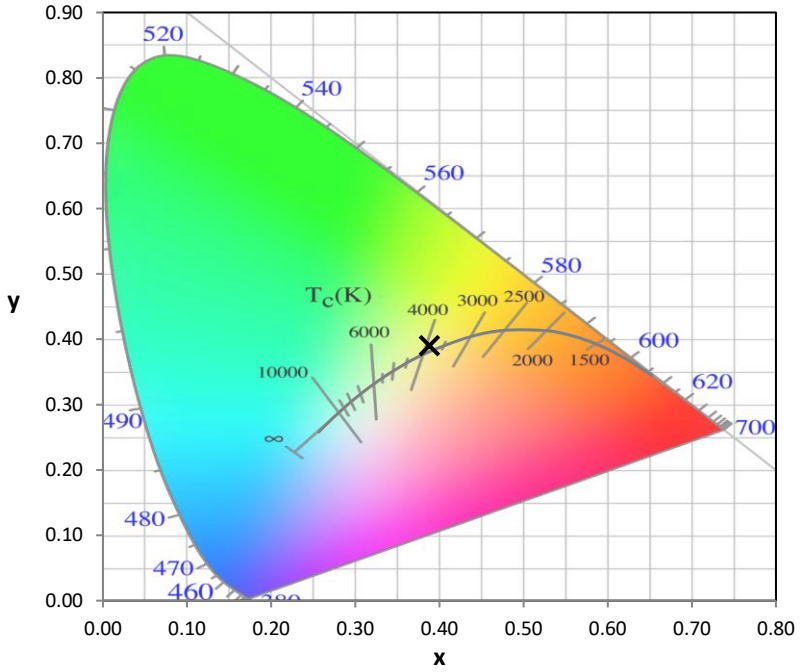
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

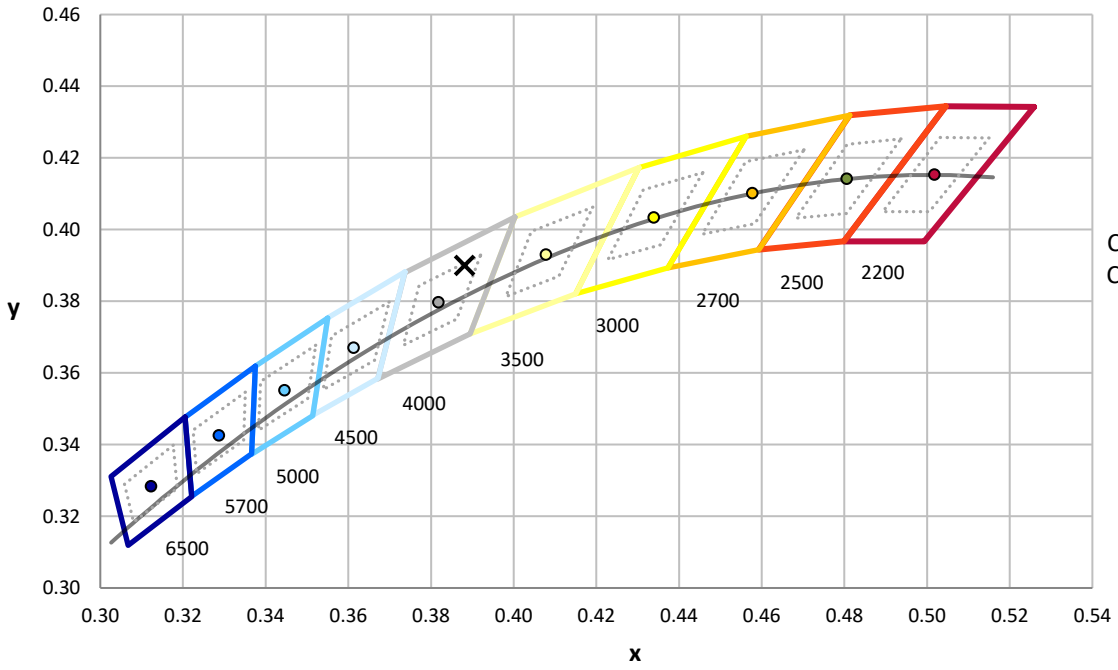
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

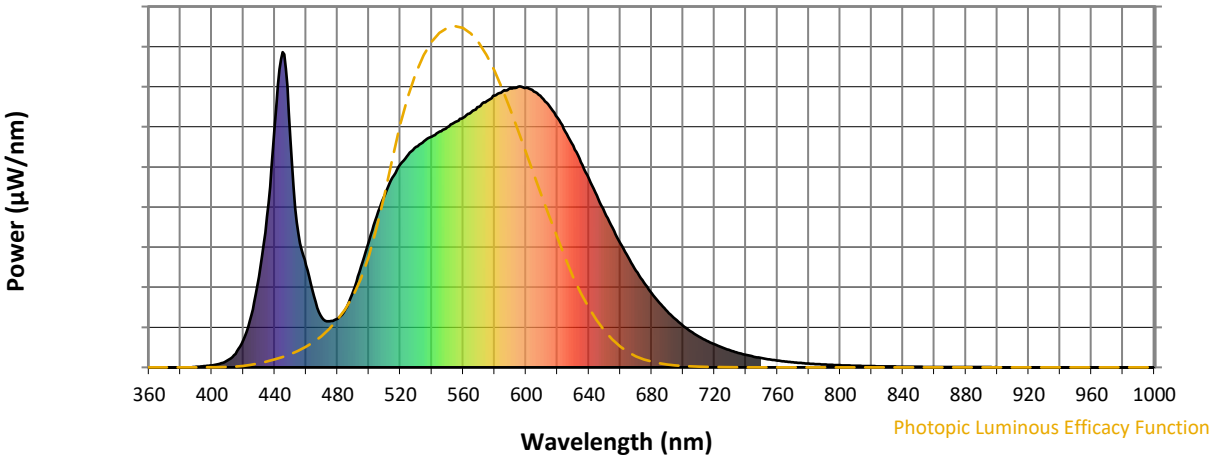


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

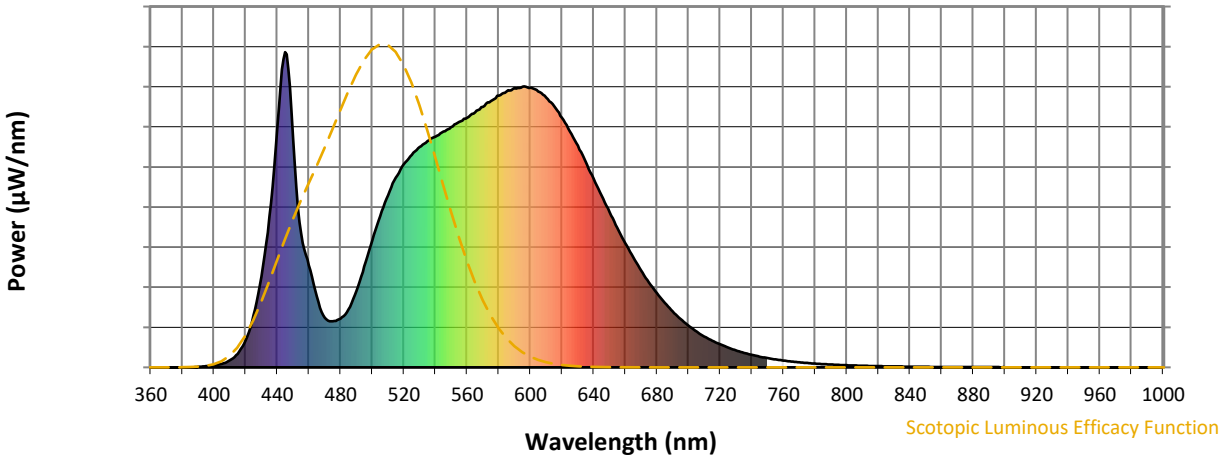


Photopic Lumens: NR

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

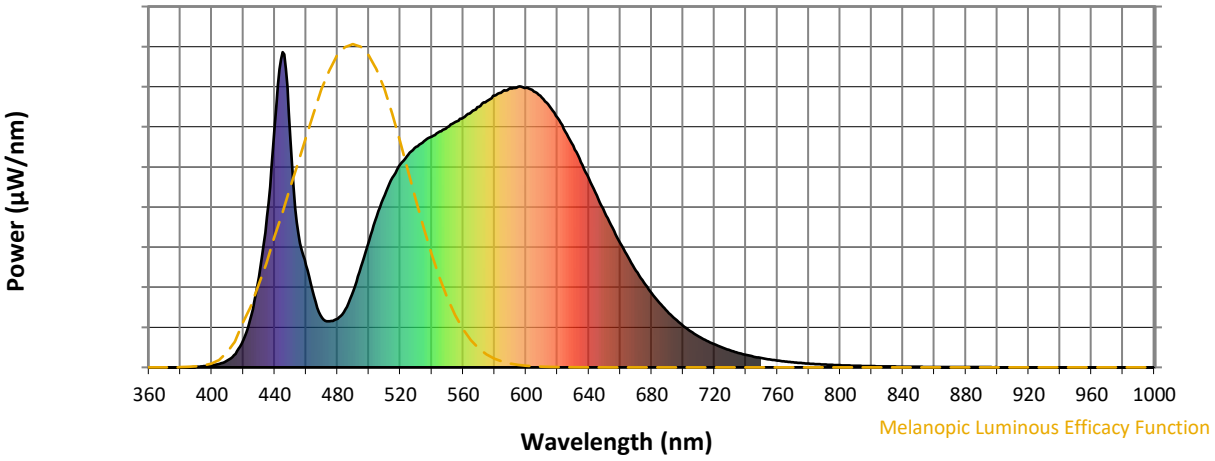


Scotopic Lumens: NR **S/P: 1.57**

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			

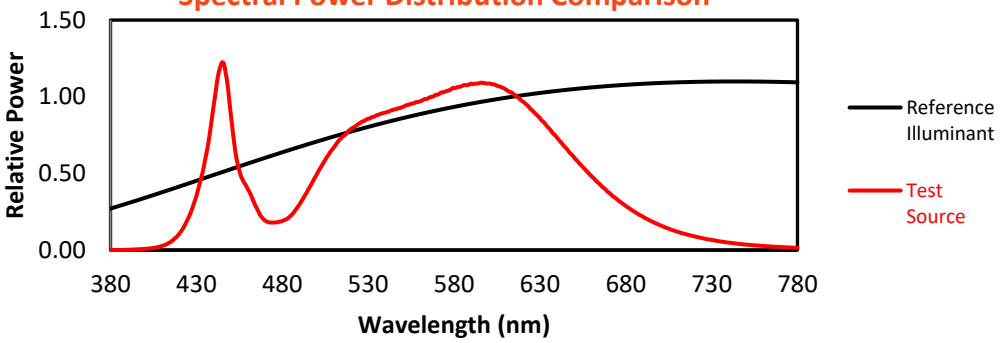
REPORT NUMBER: SP1-2407-184-11

TM-30-18

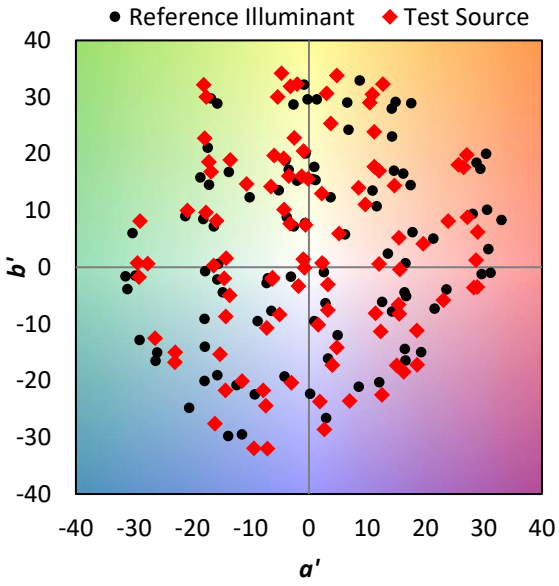
Summary

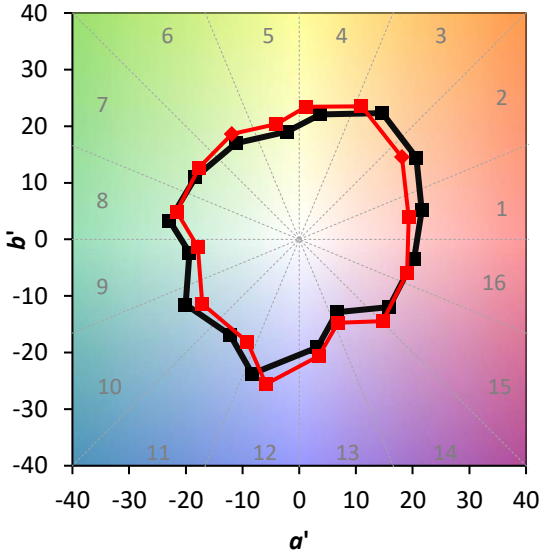
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

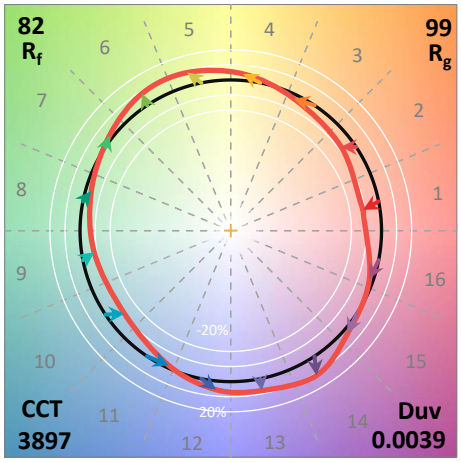
Spectral Power Distribution Comparison

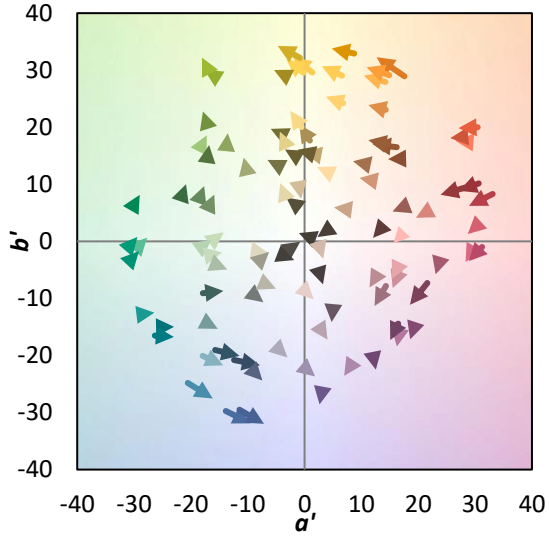


Color Vector Graphics







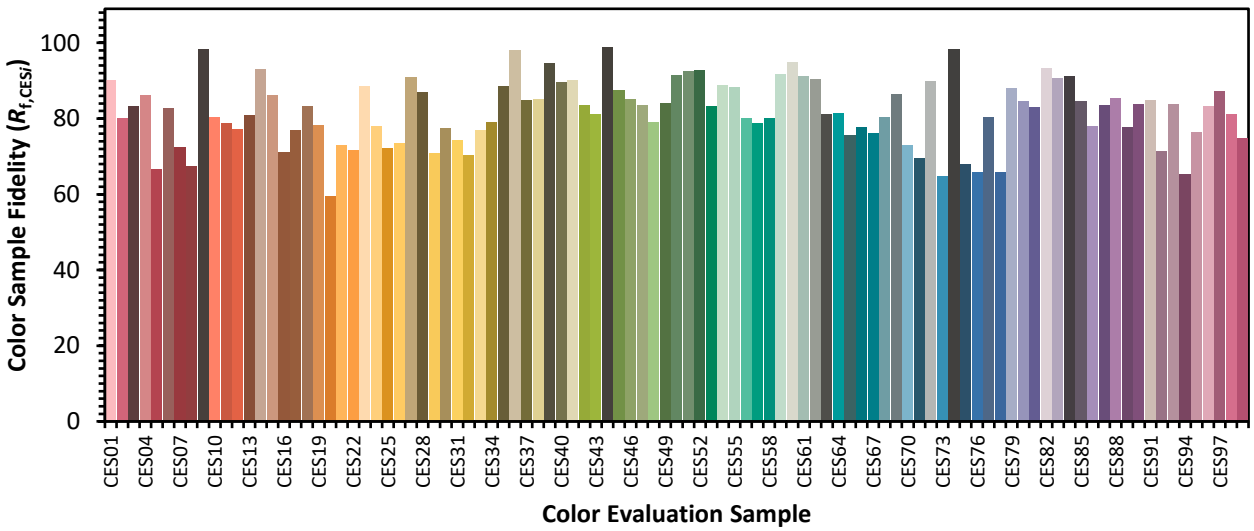


REPORT NUMBER: SP1-2407-184-11

TM-30-18

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

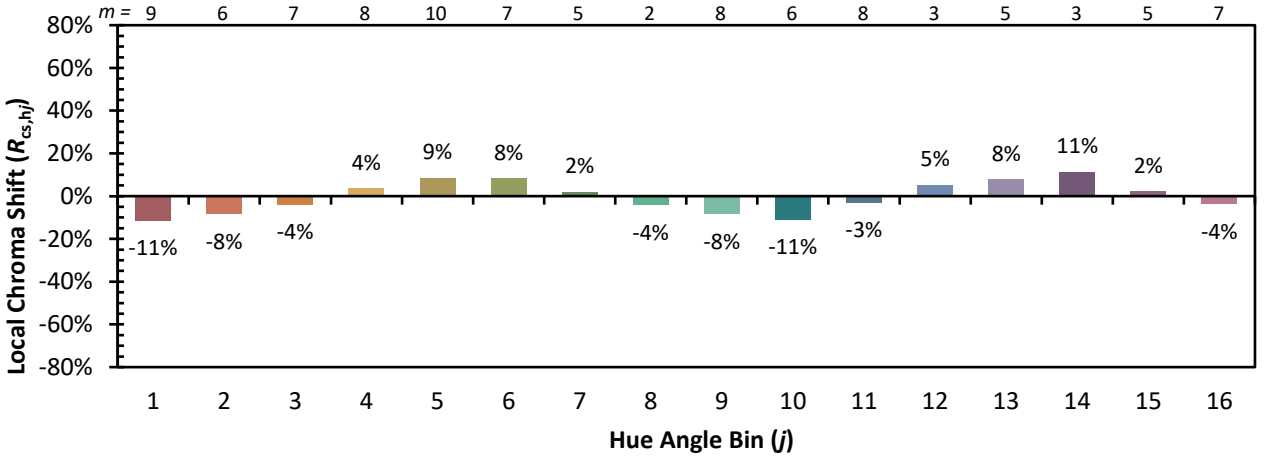
CES01 = 85	CES26 = 73	CES51 = 93	CES76 = 66
CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 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	

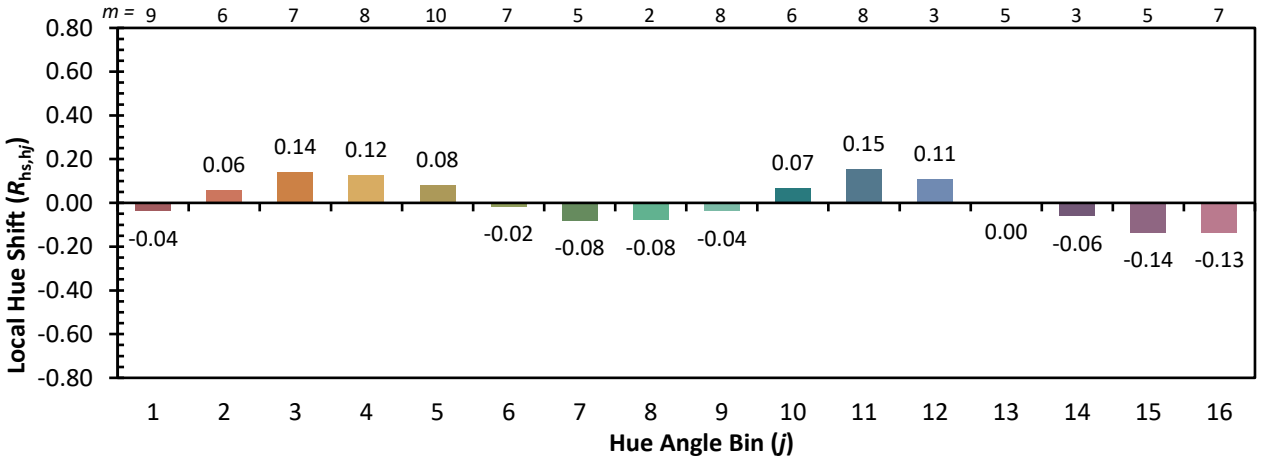


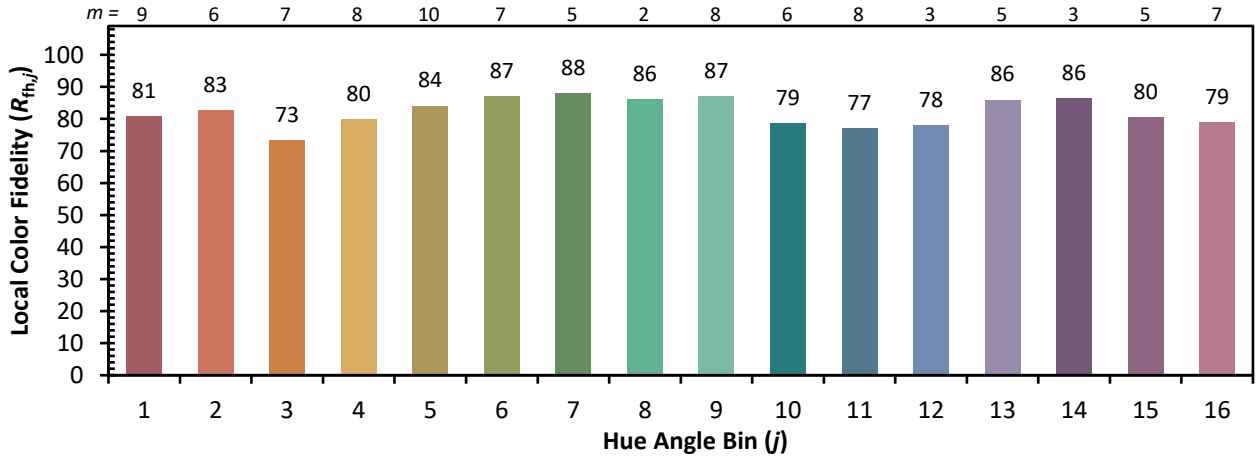
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Color Rendition by Hue-Angle Bin



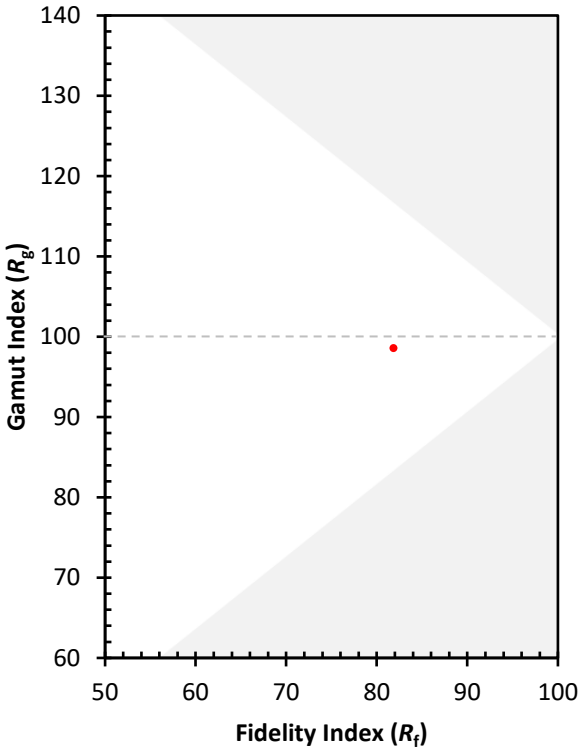


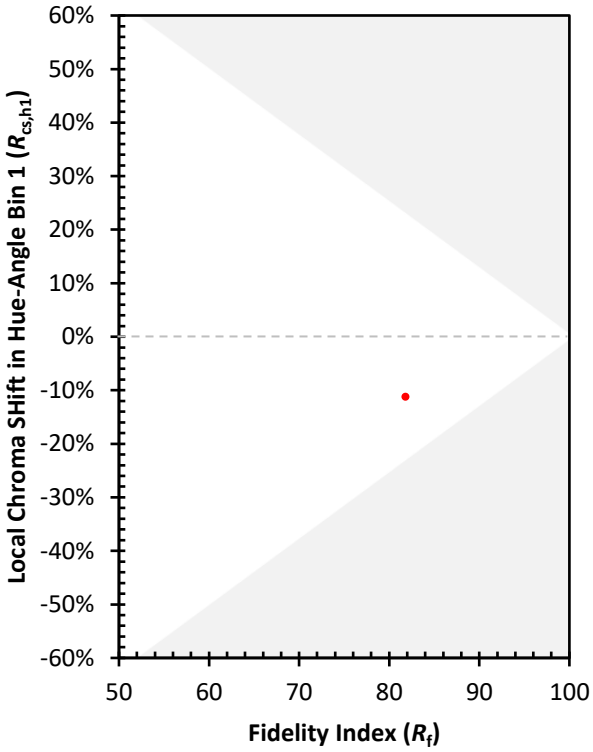


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Measure Comparisons





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