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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1365313

Luminaire Tested: **GSS-SB5C-722-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365313
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22587.7 lumens
Efficiency:	N/A
Efficacy:	89.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

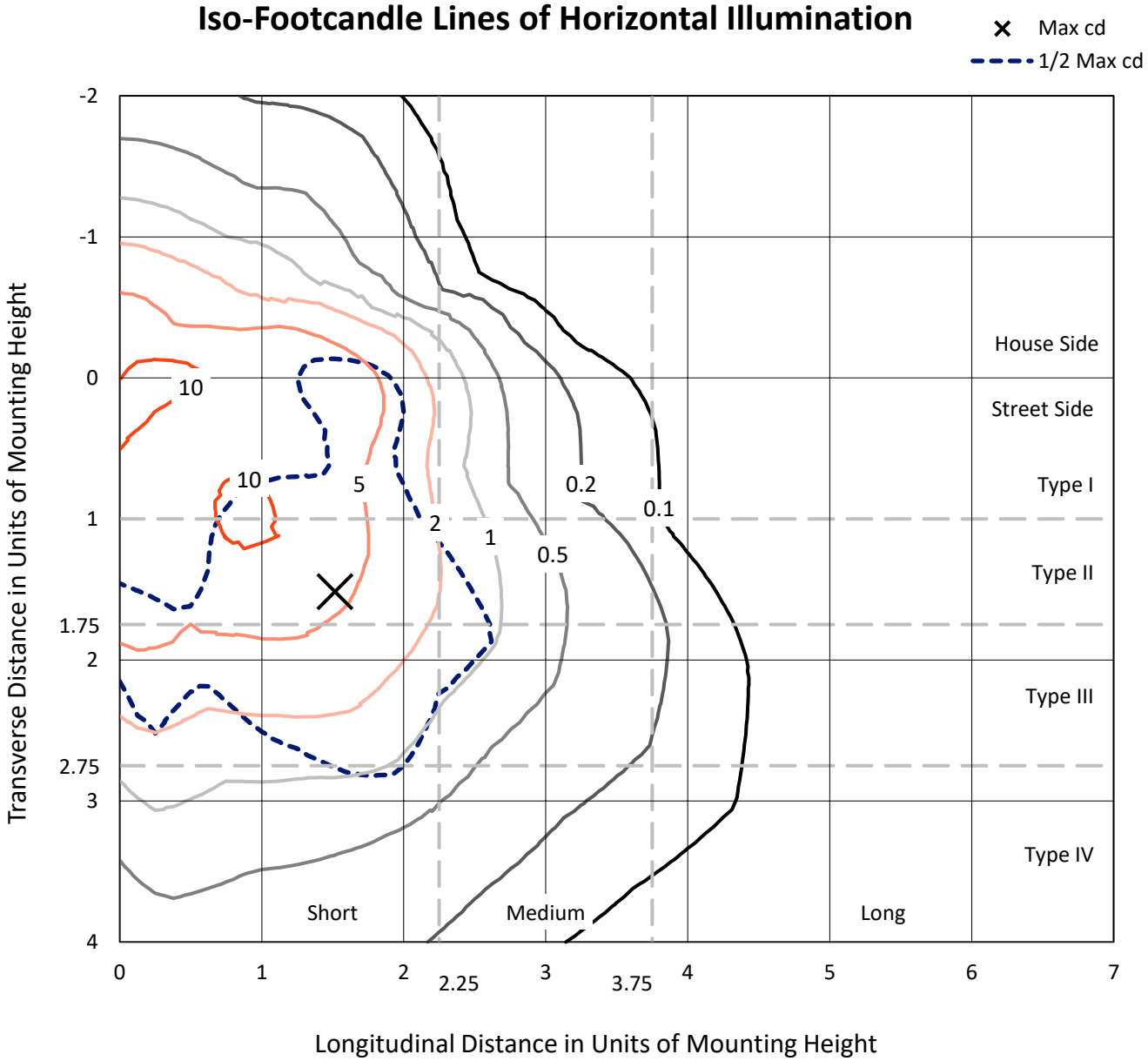
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



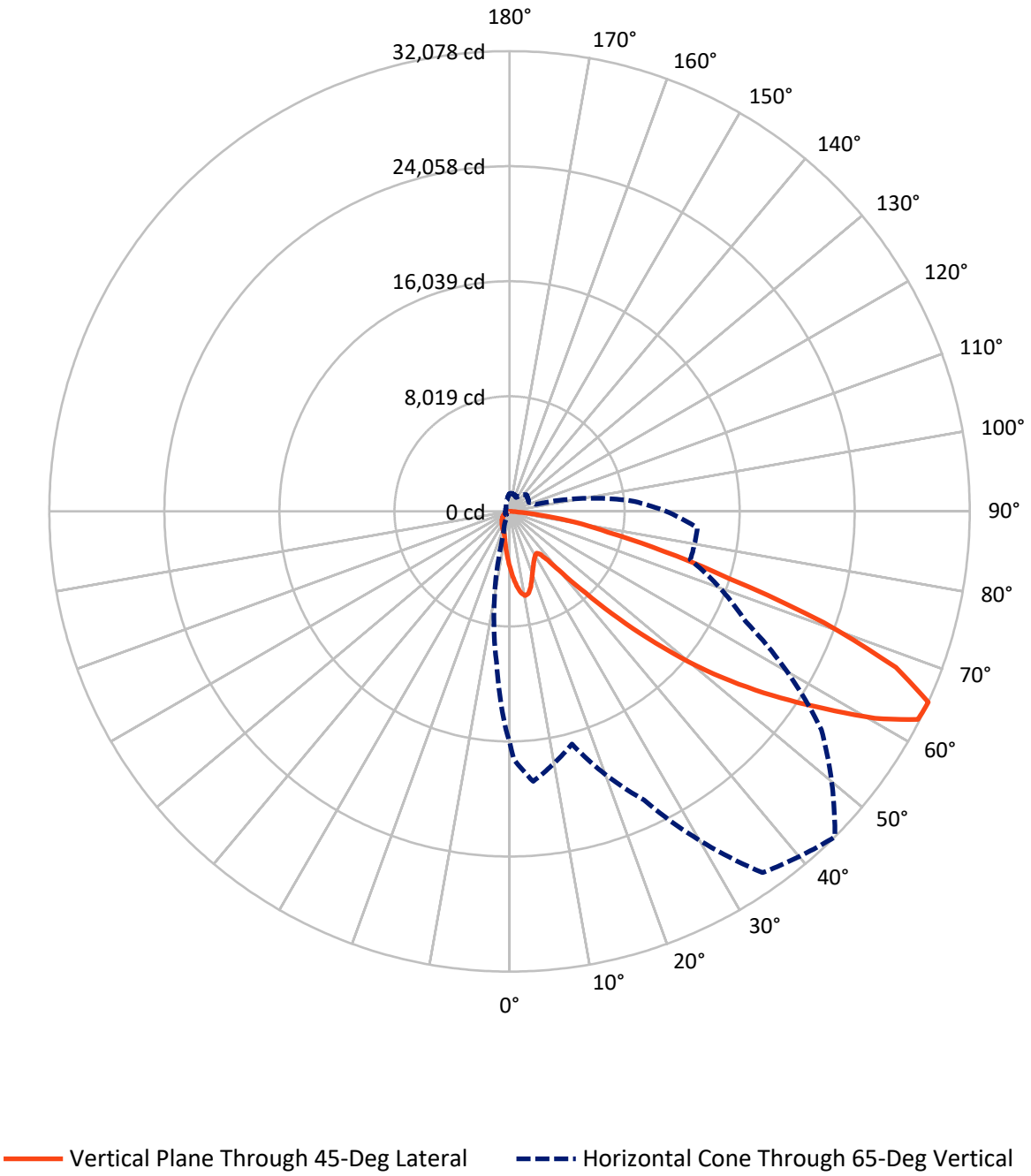
Based on 20 foot mounting height. Maximum calculated value = 14.3 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

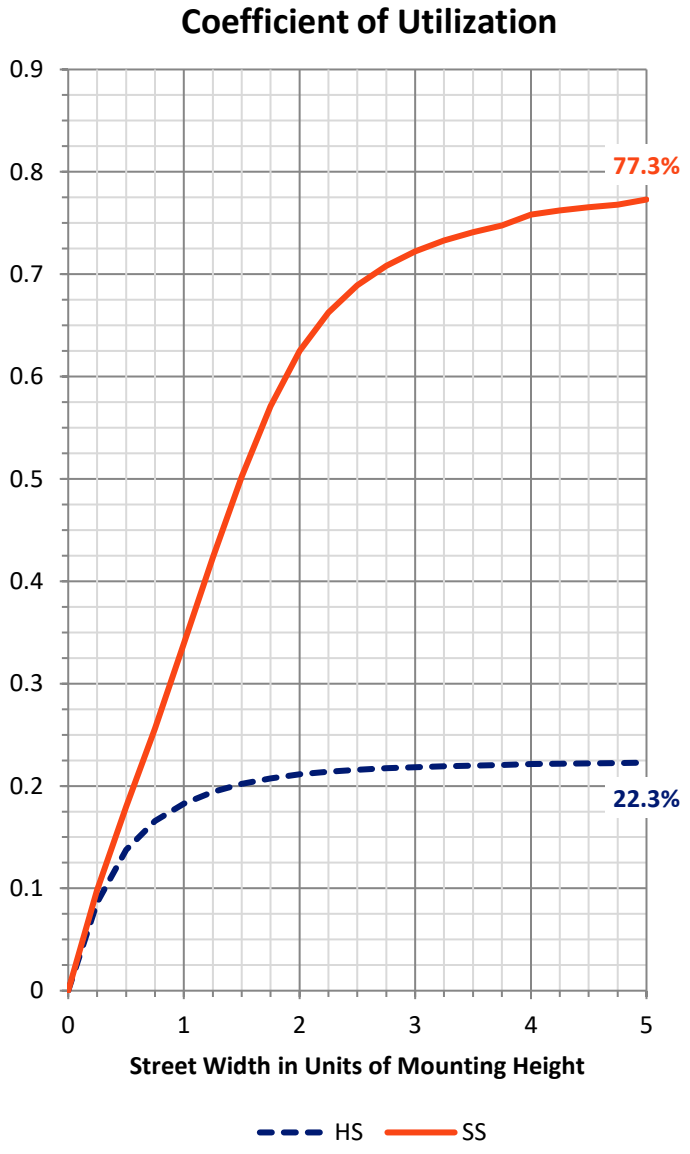
REPORT NUMBER: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5081.0	0.0	5081.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	17506.7	0.0	17506.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	22587.7	0.0	22587.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.0	1.7
10°-20°	1037.2	4.6
20°-30°	1485.7	6.6
30°-40°	1863.6	8.3
40°-50°	3061.2	13.6
50°-60°	5527.1	24.5
60°-70°	6136.0	27.2
70°-80°	2773.6	12.3
80°-90°	328.3	1.5
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°	22587.7	100.0
0°-180°	22587.7	100.0



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

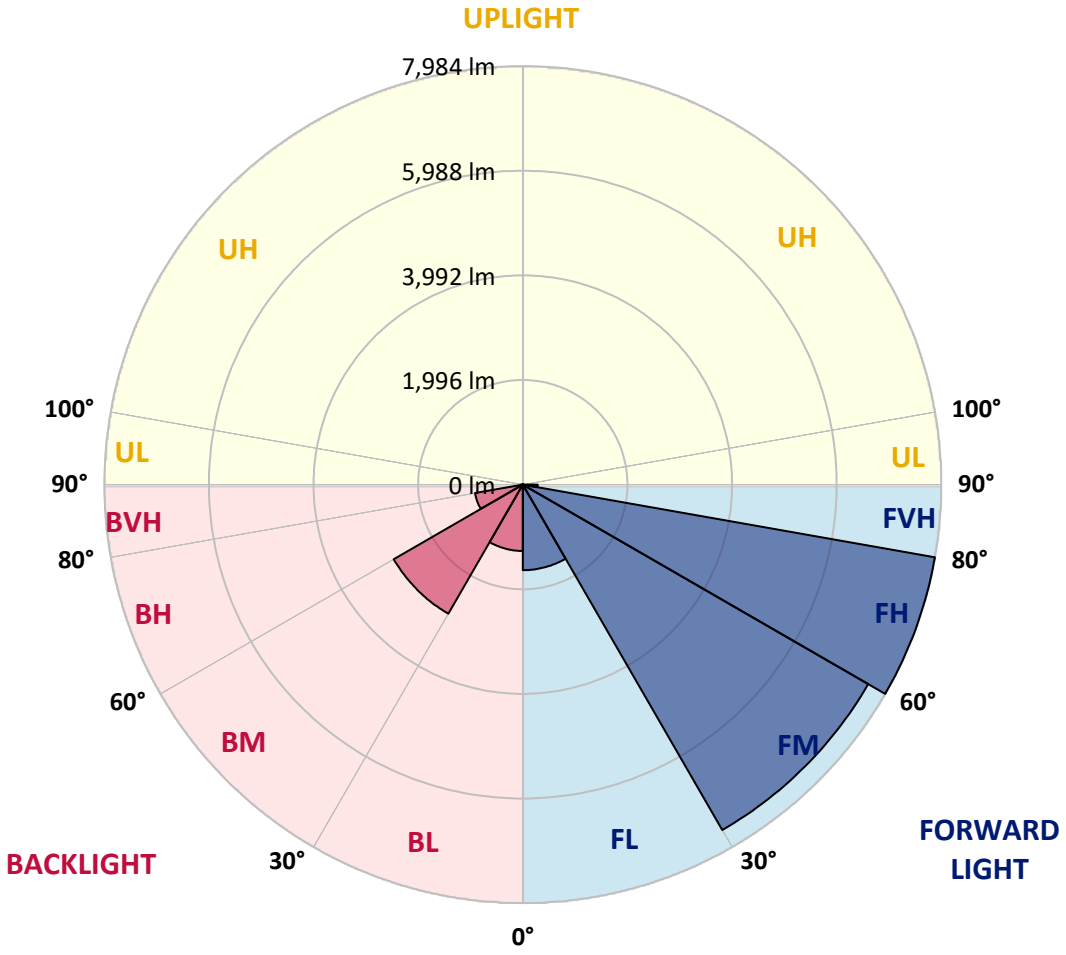
Scaled Data Report

REPORT NUMBER: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1631.7	7.2			
FM	(30°-60°)	7609.0	33.7			
FH	(60°-80°)	7984.1	35.3			G4/12000
FVH	(80°-90°)	281.9	1.2			G3/500
BL	(0°-30°)	1266.2	5.6	B3/2500		
BM	(30°-60°)	2842.9	12.6	B3/5000		
BH	(60°-80°)	925.5	4.1	B2/1000		G2/1000
BVH	(80°-90°)	46.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	*3902.3*	3902.3	3902.3	3902.3	3902.3
2.5°	4297.4	4352.8	4345.9	4422.1	4491.5	4540.0	*4581.6*	4567.7	4533.0	4463.7	4415.2
5°	4747.9	4789.5	4858.8	5004.4	5115.3	5212.3	*5198.4*	5212.3	5108.3	5004.4	4879.6
7.5°	5136.1	5184.6	5281.6	5489.6	5628.2	5746.0	*5732.1*	5690.6	5572.7	5399.4	5212.3
10°	5378.7	5413.3	5517.3	5752.9	5912.4	6009.4	*5974.7*	5905.4	5752.9	5579.7	5357.9
12.5°	5482.6	5524.2	5614.3	5801.5	5905.4	5884.6	*5870.8*	5856.9	5780.7	5649.0	5448.0
15°	5496.5	5524.2	5593.5	5676.7	5635.1	5517.3	*5489.6*	5593.5	5690.6	5662.8	5496.5
17.5°	5496.5	5538.1	5551.9	5468.8	5253.9	5039.0	*5011.3*	5184.6	5454.9	5669.8	5572.7
20°	5517.3	5538.1	5510.3	5240.0	4838.0	4602.4	*4553.8*	4768.7	5170.7	5593.5	5649.0
22.5°	5545.0	5565.8	5448.0	4969.7	4498.4	4248.9	*4221.1*	4380.6	4851.9	5482.6	5732.1
25°	5600.5	5586.6	5406.4	4734.0	4200.3	3964.7	*3923.1*	4131.0	4588.5	5371.7	5870.8
27.5°	5669.8	5607.4	5350.9	4540.0	3985.5	3735.9	*3708.2*	3909.2	4366.7	5233.1	5988.6
30°	5759.9	5697.5	5344.0	4387.5	3826.1	3576.5	*3541.9*	3763.7	4214.2	5136.1	6155.0
32.5°	5884.6	5794.5	5350.9	4269.7	3735.9	3500.3	*3479.5*	3715.2	4151.8	5080.6	6328.2
35°	6051.0	5919.3	5378.7	4228.1	3763.7	3604.3	*3652.8*	3833.0	4214.2	5122.2	6612.4
37.5°	6258.9	6134.2	5517.3	4318.2	4068.6	4179.5	*4304.3*	4373.6	4512.2	5316.3	7069.9
40°	6605.5	6432.2	5725.2	4609.3	4886.5	5406.4	*5649.0*	5621.2	5302.4	5759.9	7714.5
42.5°	7090.7	6931.3	6148.0	5350.9	6252.0	7354.1	*7763.0*	7527.3	6563.9	6466.9	8775.0
45°	7832.3	7568.9	6716.4	6453.0	7901.6	9710.7	*10632.5*	9821.6	8165.0	7582.8	10286.0
47.5°	8781.9	8518.5	7603.6	7555.1	9745.3	12621.8	*13716.9*	12122.8	9752.3	9045.3	12095.0
50°	10306.8	10015.7	8906.7	8677.9	11783.1	15526.0	*16988.5*	14417.0	11367.3	10597.9	14326.9
52.5°	12400.0	12205.9	10972.2	9835.4	13606.0	18728.2	*19989.7*	16815.2	12614.9	12372.3	16759.8
55°	15318.1	15130.9	13661.5	11124.7	15331.9	21937.4	*22956.3*	18998.6	13703.1	14451.7	19303.5
57.5°	18624.3	18936.2	17342.0	12843.6	17147.9	24522.8	*25943.7*	20980.9	15172.5	17231.1	22131.5
60°	20779.9	21764.1	21563.1	15844.8	19968.9	27738.9	*29284.5*	23635.6	17321.2	19275.8	22069.1
62.5°	18908.5	19892.7	21431.4	19324.3	22686.0	30650.0	*31953.1*	26428.9	19456.0	17647.0	18534.2
65°	*16045.8*	*17272.7*	*18894.6*	*16787.5*	*22207.7*	*30740.1*	*32077.8*	*26532.8*	*18152.9*	*13044.6*	*13141.7*
67.5°	13827.8	14916.1	16912.3	14285.3	19684.8	27995.3	*29048.9*	23670.2	15006.2	8650.2	8574.0
70°	11540.5	12538.6	15061.6	12718.8	17245.0	24127.7	*23219.7*	19899.6	12684.2	5746.0	4761.8
72.5°	9835.4	10757.3	13384.2	11429.6	13682.3	19553.1	*16004.3*	16510.2	10320.6	3652.8	3243.8
75°	8137.3	8982.9	11381.1	10348.4	11318.7	12199.0	*11062.3*	11727.7	8504.6	3098.3	2502.2
77.5°	5711.4	6238.1	7984.8	8234.3	8809.6	7222.4	*7014.4*	8213.5	6051.0	1538.7	1053.6
80°	2814.1	3139.9	4165.7	4900.4	4165.7	4096.4	*4671.7*	5468.8	3139.9	942.7	582.2
82.5°	1261.5	1497.2	1920.0	2966.6	1504.1	1635.8	*2065.5*	2911.1	1427.8	561.4	249.5
85°	201.0	221.8	374.3	499.1	408.9	630.7	*603.0*	568.4	305.0	152.5	69.3
87.5°	6.9	6.9	6.9	13.9	20.8	27.7	*34.7*	34.7	34.7	34.7	34.7
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: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3
2.5°	4401.3	4380.6	4276.6	4172.6	4082.5	3992.4	3902.3	3777.5	3680.5	3597.3	3562.7
5°	4817.2	4706.3	4546.9	4373.6	4221.1	4047.9	3881.5	3694.4	3541.9	3382.5	3299.3
7.5°	5101.4	4990.5	4727.1	4463.7	4276.6	4089.4	3916.2	3708.2	3507.2	3278.5	3153.7
10°	5233.1	5108.3	4824.2	4519.2	4290.4	4103.3	3943.9	3770.6	3569.6	3285.4	3119.1
12.5°	5323.2	5170.7	4844.9	4533.0	4304.3	4110.2	3957.7	3833.0	3715.2	3437.9	3243.8
15°	5378.7	5240.0	4900.4	4540.0	4283.5	4054.8	3909.2	3867.6	3888.4	3756.7	3521.1
17.5°	5461.8	5330.1	4969.7	4581.6	4248.9	3937.0	3777.5	3867.6	4054.8	4096.4	3909.2
20°	5572.7	5434.1	5059.8	4616.2	4144.9	3715.2	3562.7	3791.4	4103.3	4318.2	4214.2
22.5°	5697.5	5586.6	5163.8	4650.9	3992.4	3424.0	3354.7	3632.0	3964.7	4241.9	4248.9
25°	5850.0	5746.0	5309.3	4685.5	3784.5	3174.5	3188.4	3424.0	3687.4	3971.6	4020.1
27.5°	6057.9	5960.9	5489.6	4727.1	3569.6	2973.5	3042.8	3216.1	3396.3	3569.6	3638.9
30°	6286.6	6210.4	5704.4	4810.3	3368.6	2855.7	2897.3	3015.1	3160.7	3264.6	3299.3
32.5°	6598.6	6473.8	5905.4	4803.4	3216.1	2800.2	2758.6	2793.3	2911.1	3015.1	3022.0
35°	6986.7	6889.7	6113.4	4678.6	3077.5	2772.5	2626.9	2606.2	2675.5	2779.4	2772.5
37.5°	7555.1	7471.9	6453.0	4484.5	2904.2	2703.2	2488.3	2419.0	2467.5	2536.8	2557.6
40°	8407.6	8192.7	6841.1	4269.7	2730.9	2578.4	2322.0	2224.9	2259.6	2335.8	2349.7
42.5°	9565.1	9156.2	7361.0	3978.5	2564.6	2391.3	2155.6	2051.7	2072.4	2141.8	2155.6
45°	11048.4	10431.5	8074.9	3673.6	2432.9	2197.2	1982.3	1871.4	1892.2	1968.5	2003.1
47.5°	12781.2	11935.6	8823.5	3347.8	2356.6	2044.7	1809.1	1725.9	1774.4	1850.6	1864.5
50°	14825.9	13973.4	9301.7	3084.4	2308.1	1926.9	1649.6	1615.0	1677.4	1739.7	1753.6
52.5°	17057.8	15844.8	8996.8	2869.5	2266.5	1885.3	1538.7	1552.6	1601.1	1663.5	1684.3
55°	19227.3	16531.0	7984.8	2592.3	2218.0	1913.0	1455.6	1490.2	1552.6	1601.1	1615.0
57.5°	20641.3	15955.7	6432.2	2301.2	2162.6	1933.8	1414.0	1441.7	1511.0	1566.5	1573.4
60°	19407.5	14694.3	4817.2	2051.7	2044.7	1899.2	1400.1	1358.5	1455.6	1504.1	1511.0
62.5°	15900.3	12018.8	3077.5	1816.0	1822.9	1822.9	1393.2	1219.9	1344.7	1386.3	1379.3
65°	*10923.7*	*8497.7*	*1906.1*	*1483.3*	*1552.6*	*1656.6*	*1351.6*	*1074.3*	*1219.9*	*1261.5*	*1247.6*
67.5°	7180.8	5399.4	1178.3	1143.7	1275.4	1434.8	1268.4	963.4	1095.1	1122.9	1081.3
70°	3895.4	2543.8	776.3	748.6	998.1	1129.8	1074.3	866.4	977.3	1005.0	963.4
72.5°	2571.5	1462.5	547.6	547.6	783.2	790.2	880.3	776.3	866.4	894.1	852.5
75°	1933.8	942.7	381.2	422.8	499.1	616.9	630.7	651.5	734.7	769.4	727.8
77.5°	887.2	346.6	228.7	311.9	346.6	471.3	402.0	485.2	547.6	561.4	526.8
80°	512.9	194.1	152.5	201.0	221.8	388.2	235.7	291.1	388.2	408.9	367.4
82.5°	214.9	97.0	104.0	124.8	131.7	214.9	166.4	187.1	256.5	249.5	221.8
85°	62.4	62.4	69.3	76.2	76.2	124.8	117.8	110.9	117.8	117.8	97.0
87.5°	41.6	41.6	41.6	48.5	48.5	55.5	62.4	69.3	69.3	69.3	62.4
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: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3
2.5°	3514.1	3451.8	3361.7	3347.8	3299.3	3264.6	3299.3	3333.9	3396.3	3403.2	3431.0
5°	3223.0	3077.5	2966.6	2841.8	2779.4	2772.5	2758.6	2800.2	2890.3	2945.8	2987.4
7.5°	3029.0	2765.6	2571.5	2398.2	2335.8	2287.3	2328.9	2322.0	2439.8	2488.3	2529.9
10°	2925.0	2557.6	2266.5	2051.7	1968.5	1920.0	1913.0	1926.9	1996.2	2044.7	2093.2
12.5°	2994.3	2474.5	2044.7	1795.2	1705.1	1649.6	1601.1	1601.1	1615.0	1677.4	1698.2
15°	3223.0	2523.0	1940.8	1670.4	1552.6	1462.5	1400.1	1351.6	1358.5	1365.5	1386.3
17.5°	3555.7	2647.7	1906.1	1594.2	1469.4	1358.5	1296.1	1240.7	1226.8	1226.8	1219.9
20°	3874.6	2744.8	1878.4	1531.8	1372.4	1275.4	1219.9	1171.4	1150.6	1150.6	1150.6
22.5°	4006.3	2828.0	1843.7	1455.6	1275.4	1185.2	1136.7	1102.1	1095.1	1095.1	1088.2
25°	3902.3	2800.2	1802.1	1379.3	1185.2	1115.9	1074.3	1039.7	1032.8	1039.7	1032.8
27.5°	3576.5	2703.2	1746.7	1316.9	1115.9	1053.6	1018.9	984.2	977.3	984.2	984.2
30°	3230.0	2536.8	1656.6	1268.4	1060.5	991.2	956.5	921.9	921.9	928.8	935.7
32.5°	2952.7	2370.5	1552.6	1206.0	998.1	935.7	901.1	866.4	866.4	880.3	880.3
35°	2717.1	2238.8	1448.6	1143.7	942.7	873.3	845.6	817.9	811.0	824.8	831.8
37.5°	2529.9	2121.0	1337.7	1081.3	887.2	824.8	797.1	762.4	755.5	769.4	783.2
40°	2335.8	1989.3	1240.7	1005.0	831.8	769.4	741.6	700.1	700.1	713.9	727.8
42.5°	2148.7	1871.4	1178.3	935.7	776.3	707.0	679.3	644.6	644.6	658.5	672.3
45°	1996.2	1760.5	1143.7	866.4	713.9	651.5	616.9	589.2	596.1	610.0	623.8
47.5°	1850.6	1642.7	1150.6	831.8	672.3	589.2	554.5	533.7	547.6	568.4	582.2
50°	1739.7	1559.5	1157.5	776.3	616.9	540.6	506.0	492.1	512.9	533.7	547.6
52.5°	1670.4	1476.4	1115.9	707.0	575.3	492.1	471.3	471.3	492.1	506.0	519.8
55°	1601.1	1337.7	1025.8	630.7	533.7	457.5	443.6	443.6	464.4	478.3	485.2
57.5°	1545.7	1192.2	921.9	568.4	485.2	422.8	422.8	422.8	429.7	436.7	450.5
60°	1441.7	1039.7	790.2	519.8	436.7	395.1	388.2	388.2	381.2	388.2	408.9
62.5°	1261.5	873.3	672.3	464.4	395.1	360.4	353.5	332.7	311.9	318.8	332.7
65°	*1067.4*	*693.1*	*561.4*	*402.0*	*339.6*	*318.8*	*311.9*	*277.3*	*249.5*	*256.5*	*277.3*
67.5°	852.5	519.8	471.3	346.6	291.1	270.3	270.3	249.5	228.7	228.7	242.6
70°	665.4	436.7	353.5	277.3	228.7	228.7	242.6	221.8	194.1	194.1	214.9
72.5°	540.6	353.5	284.2	214.9	180.2	194.1	201.0	180.2	159.4	159.4	173.3
75°	422.8	277.3	221.8	159.4	138.6	145.6	159.4	145.6	124.8	131.7	138.6
77.5°	291.1	187.1	145.6	117.8	104.0	110.9	110.9	104.0	97.0	97.0	104.0
80°	194.1	124.8	97.0	83.2	76.2	76.2	69.3	69.3	76.2	76.2	83.2
82.5°	138.6	90.1	76.2	62.4	48.5	48.5	55.5	55.5	62.4	62.4	69.3
85°	83.2	62.4	55.5	41.6	34.7	41.6	41.6	48.5	55.5	55.5	62.4
87.5°	62.4	48.5	41.6	34.7	27.7	27.7	34.7	34.7	41.6	48.5	48.5
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: P1365313
CATALOG NUMBER: GSS-SB5C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3	3902.3
2.5°	3500.3	3583.5	3701.3	3805.3	3930.0	4054.8	4172.6	4283.5	4290.4	4297.4
5°	3119.1	3285.4	3479.5	3715.2	3964.7	4207.3	4463.7	4671.7	4720.2	4747.9
7.5°	2696.3	2938.9	3236.9	3569.6	3943.9	4318.2	4678.6	4990.5	5108.3	5136.1
10°	2252.7	2550.7	2911.1	3340.9	3846.8	4345.9	4831.1	5212.3	5350.9	5378.7
12.5°	1857.6	2100.2	2516.0	3035.9	3645.8	4304.3	4886.5	5309.3	5448.0	5482.6
15°	1517.9	1746.7	2134.8	2682.4	3368.6	4158.8	4844.9	5330.1	5468.8	5496.5
17.5°	1254.6	1400.1	1753.6	2349.7	3119.1	3971.6	4789.5	5344.0	5475.7	5496.5
20°	1150.6	1178.3	1365.5	1947.7	2855.7	3833.0	4754.8	5364.8	5496.5	5517.3
22.5°	1102.1	1102.1	1143.7	1483.3	2488.3	3687.4	4741.0	5427.2	5524.2	5545.0
25°	1053.6	1053.6	1067.4	1164.5	2051.7	3507.2	4768.7	5538.1	5600.5	5600.5
27.5°	1005.0	1005.0	1018.9	1039.7	1524.9	3209.2	4775.6	5662.8	5690.6	5669.8
30°	956.5	970.4	970.4	984.2	1122.9	2834.9	4734.0	5801.5	5801.5	5759.9
32.5°	908.0	914.9	928.8	935.7	977.3	2349.7	4664.7	5974.7	5940.1	5884.6
35°	866.4	873.3	873.3	887.2	928.8	1878.4	4588.5	6210.4	6113.4	6051.0
37.5°	811.0	817.9	824.8	838.7	880.3	1490.2	4477.6	6411.4	6342.1	6258.9
40°	762.4	769.4	776.3	790.2	831.8	1282.3	4339.0	6716.4	6702.5	6605.5
42.5°	707.0	720.9	727.8	734.7	790.2	1171.4	4241.9	7208.5	7208.5	7090.7
45°	658.5	672.3	672.3	686.2	762.4	1074.3	4456.8	7887.8	7943.2	7832.3
47.5°	616.9	623.8	623.8	630.7	720.9	991.2	5032.1	8927.5	8858.1	8781.9
50°	575.3	589.2	575.3	582.2	686.2	1039.7	5981.7	10258.3	10438.5	10306.8
52.5°	547.6	554.5	526.8	526.8	637.7	1102.1	6758.0	11956.4	12559.4	12400.0
55°	512.9	519.8	485.2	485.2	561.4	956.5	6806.5	13890.2	15214.1	15318.1
57.5°	478.3	478.3	450.5	443.6	485.2	776.3	6037.1	15387.4	18388.6	18624.3
60°	436.7	429.7	415.9	402.0	443.6	713.9	4602.4	15186.4	19962.0	20779.9
62.5°	374.3	388.2	381.2	353.5	402.0	665.4	3001.2	13141.7	18187.6	18908.5
65°	*311.9*	*332.7*	*332.7*	*311.9*	*443.6*	*582.2*	*1580.3*	*10521.6*	*15179.4*	*16045.8*
67.5°	277.3	291.1	284.2	270.3	395.1	367.4	762.4	8068.0	12996.1	13827.8
70°	242.6	256.5	235.7	221.8	318.8	263.4	450.5	5399.4	10729.6	11540.5
72.5°	201.0	214.9	194.1	173.3	235.7	201.0	298.0	3514.1	8934.4	9835.4
75°	166.4	173.3	159.4	138.6	173.3	159.4	207.9	2294.2	7471.9	8137.3
77.5°	117.8	131.7	124.8	104.0	124.8	110.9	145.6	1310.0	5212.3	5711.4
80°	90.1	90.1	90.1	83.2	76.2	76.2	97.0	589.2	2529.9	2814.1
82.5°	76.2	76.2	69.3	62.4	55.5	48.5	55.5	173.3	1192.2	1261.5
85°	69.3	55.5	48.5	41.6	34.7	20.8	20.8	48.5	242.6	201.0
87.5°	41.6	34.7	27.7	13.9	6.9	6.9	0.0	6.9	6.9	6.9
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

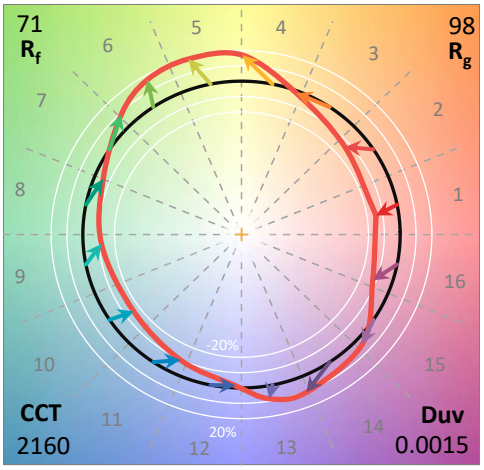
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

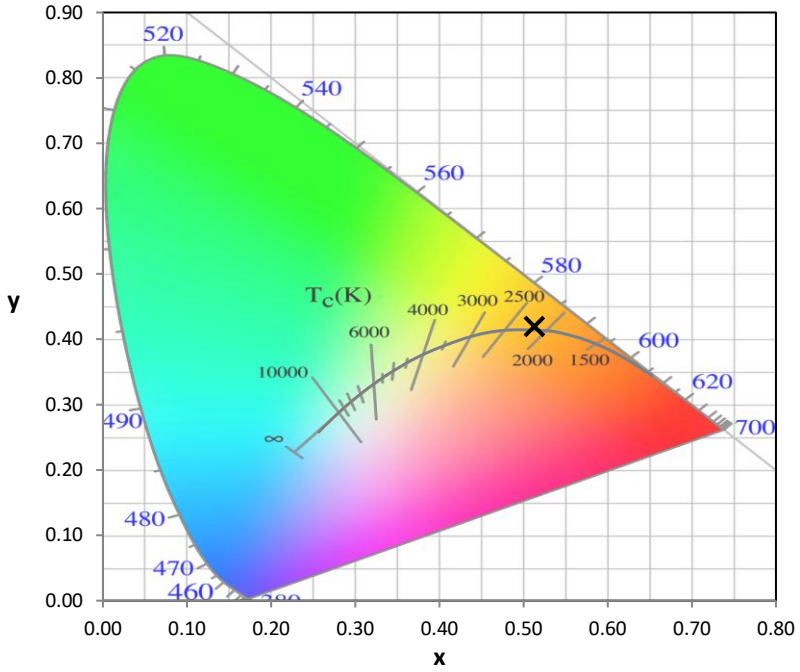
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

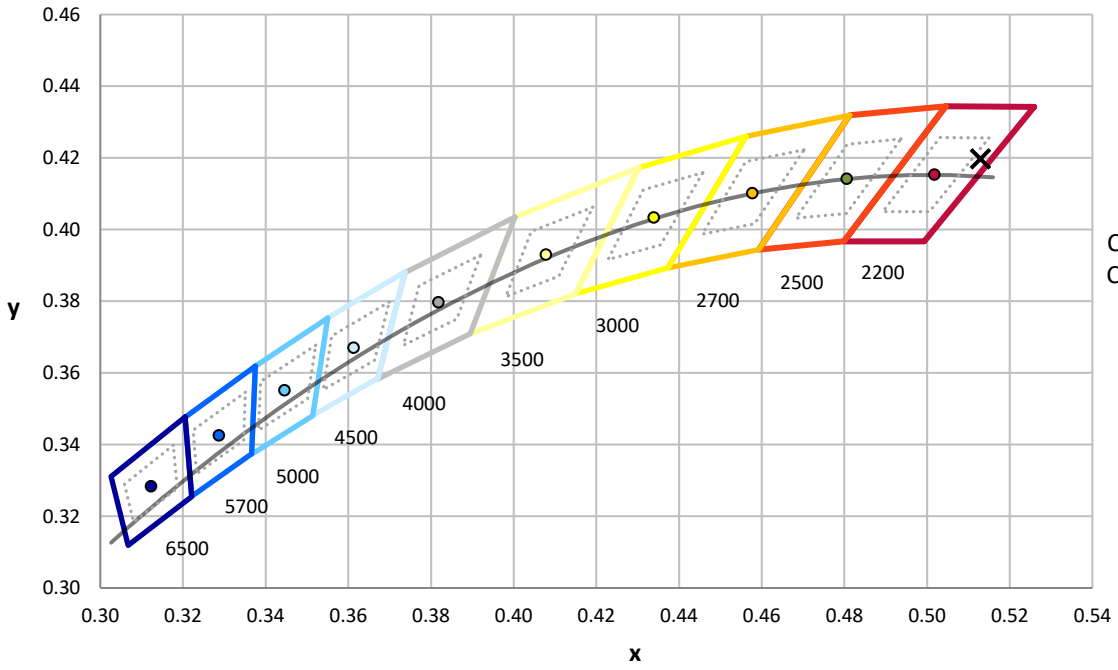
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

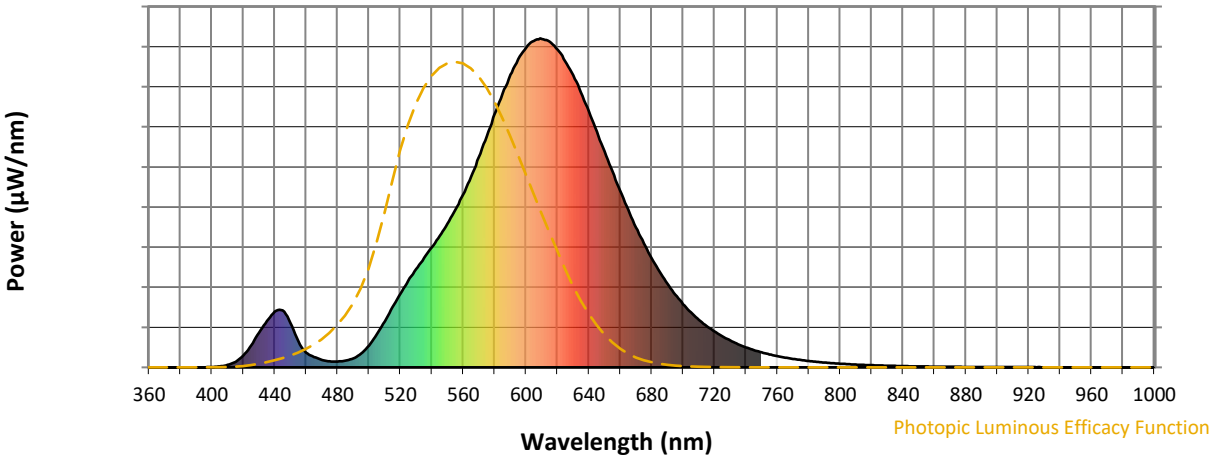


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

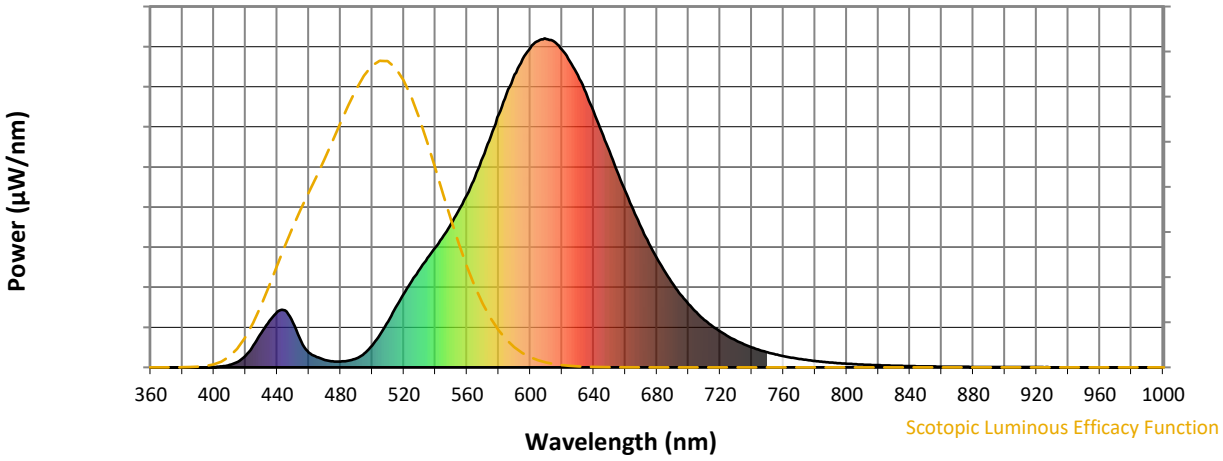


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

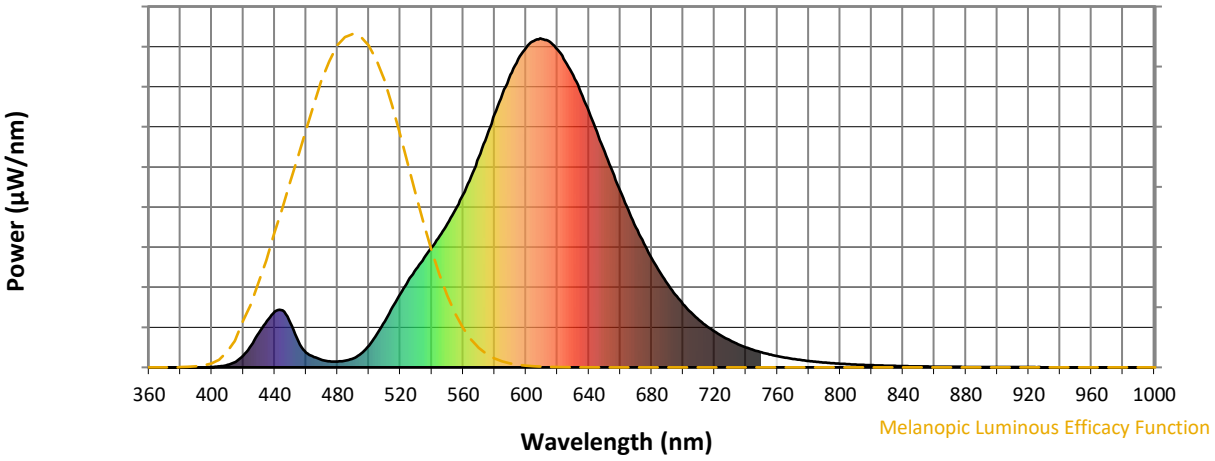


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

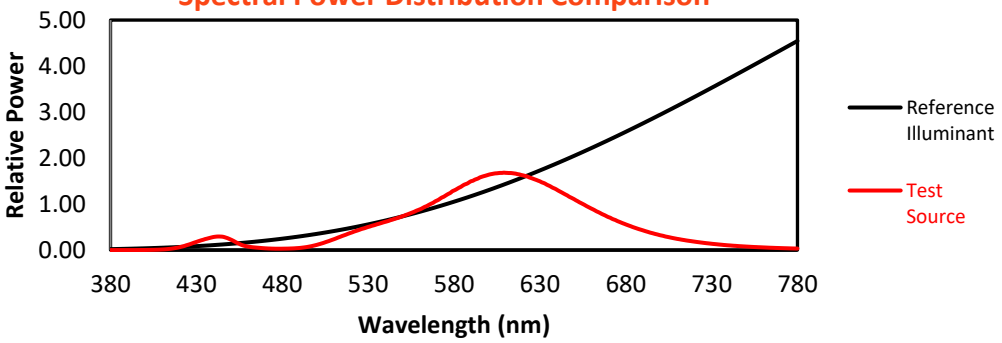
REPORT NUMBER: SP1-2407-184-2

TM-30-18

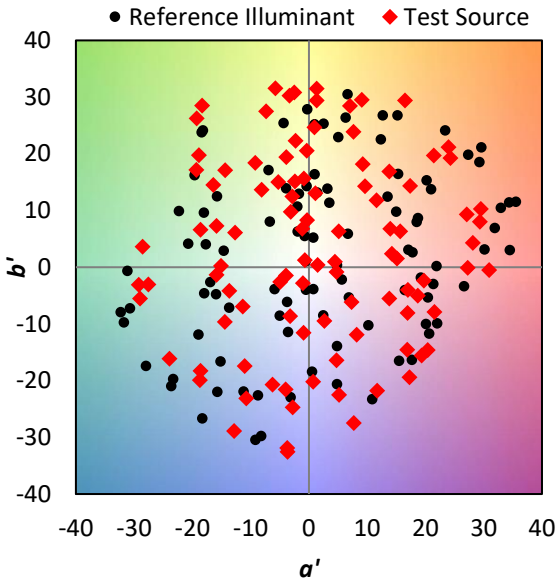
Summary

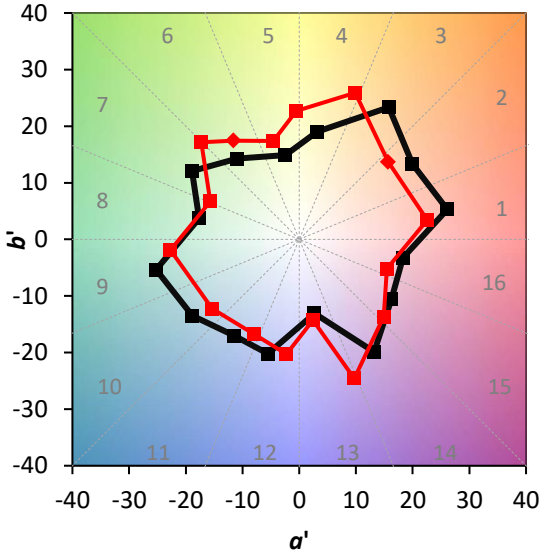
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

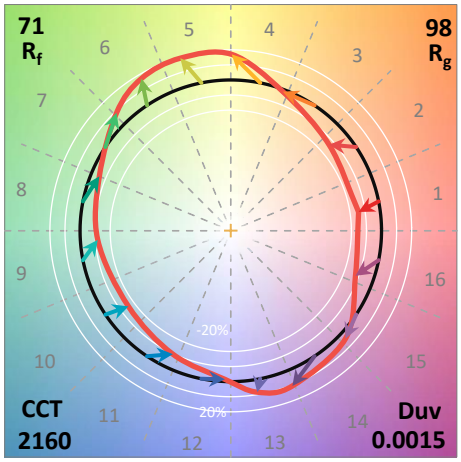
Spectral Power Distribution Comparison

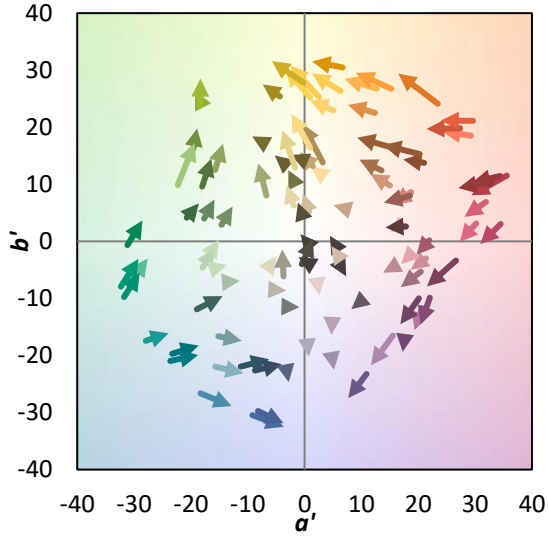


Color Vector Graphics







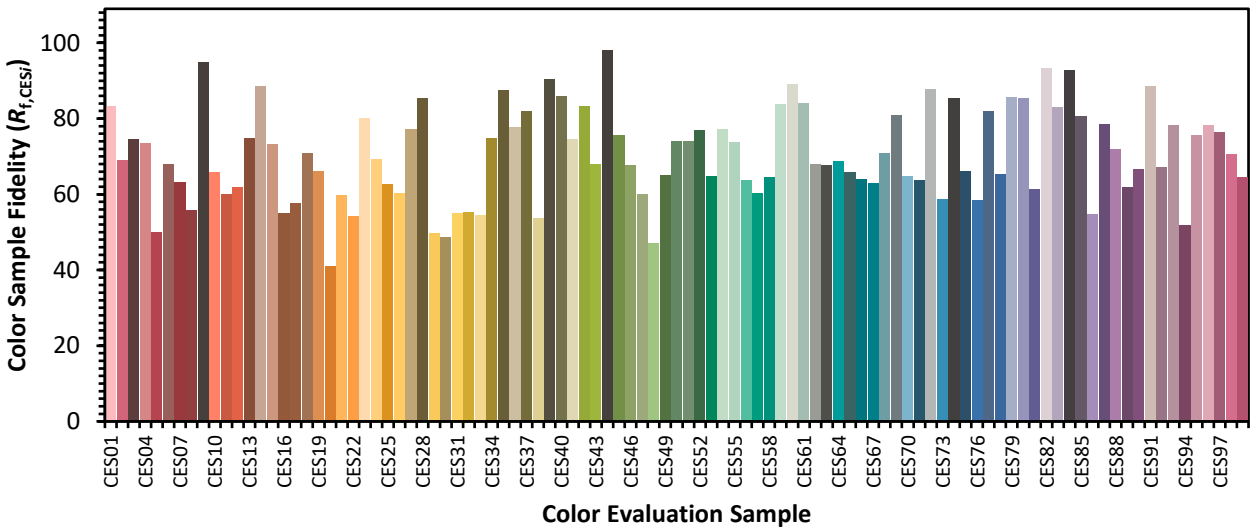


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

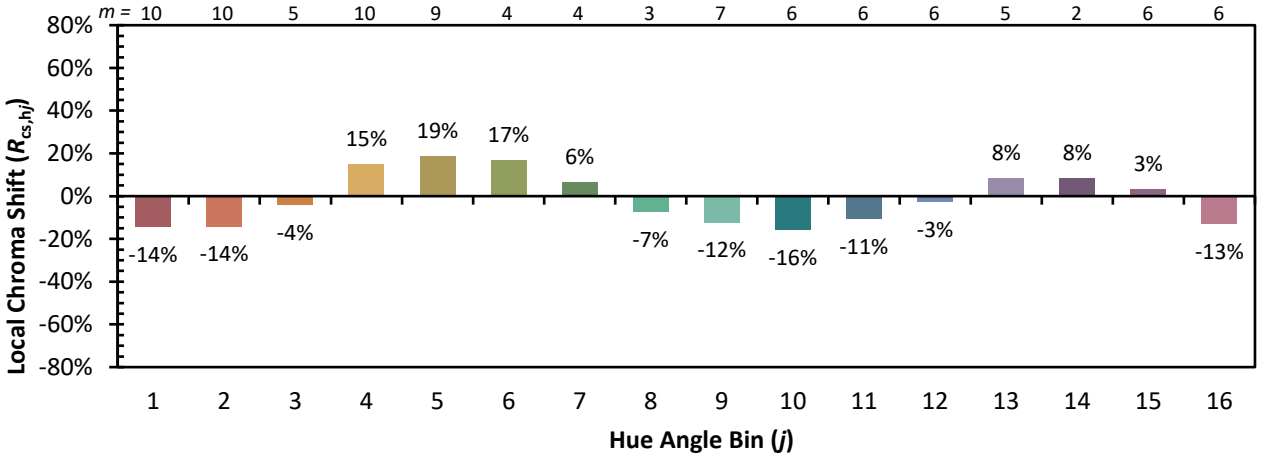
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

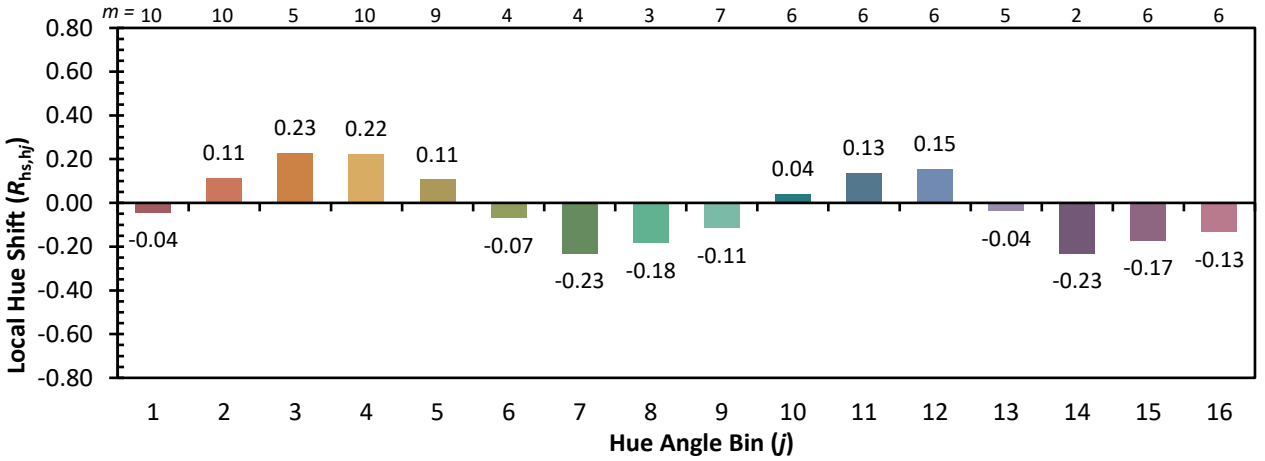


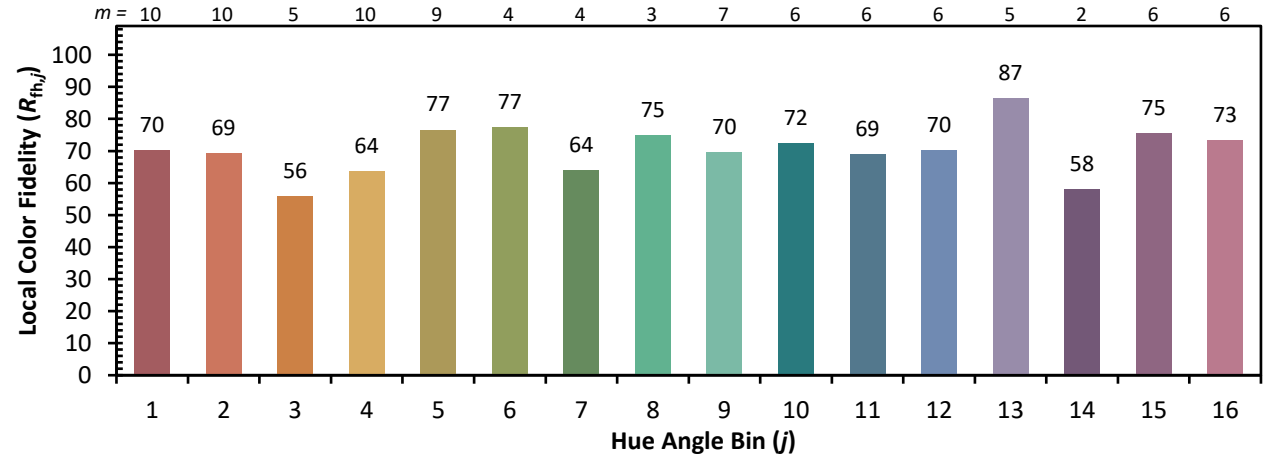
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



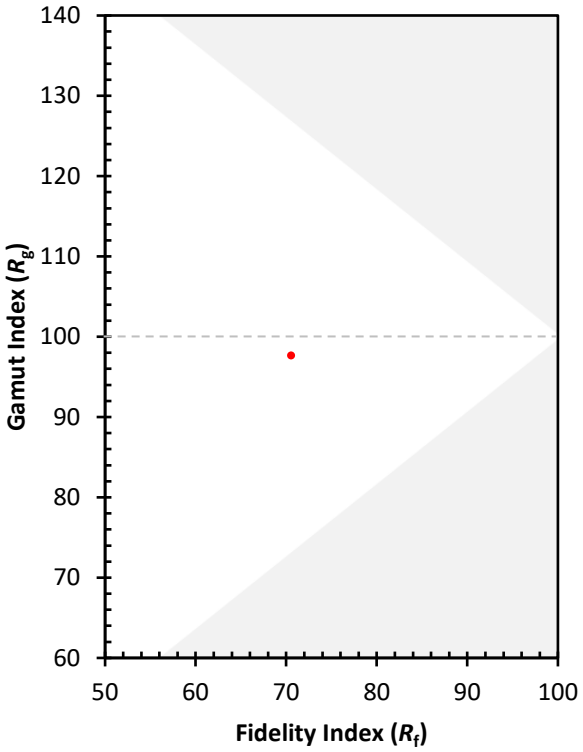


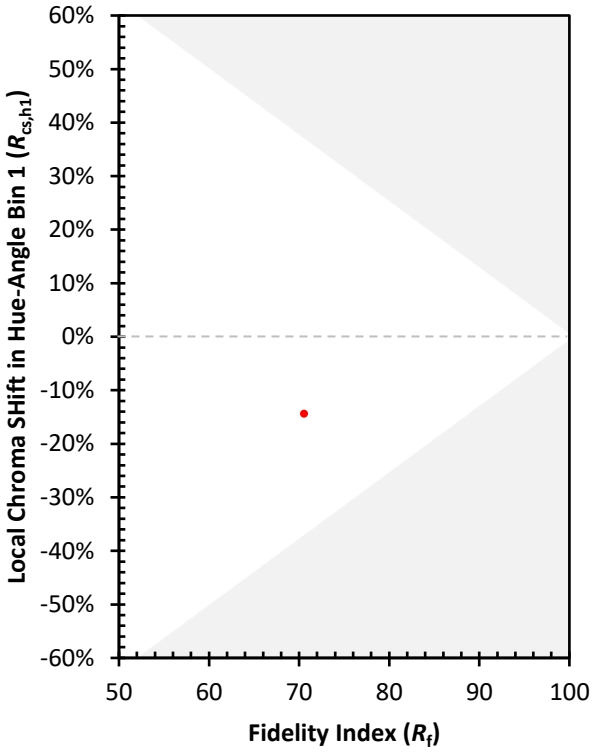


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)