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: P1365339

Luminaire Tested: **GSS-SB6A-727-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:	P1365339
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18329.2 lumens
Efficiency:	N/A
Efficacy:	107.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

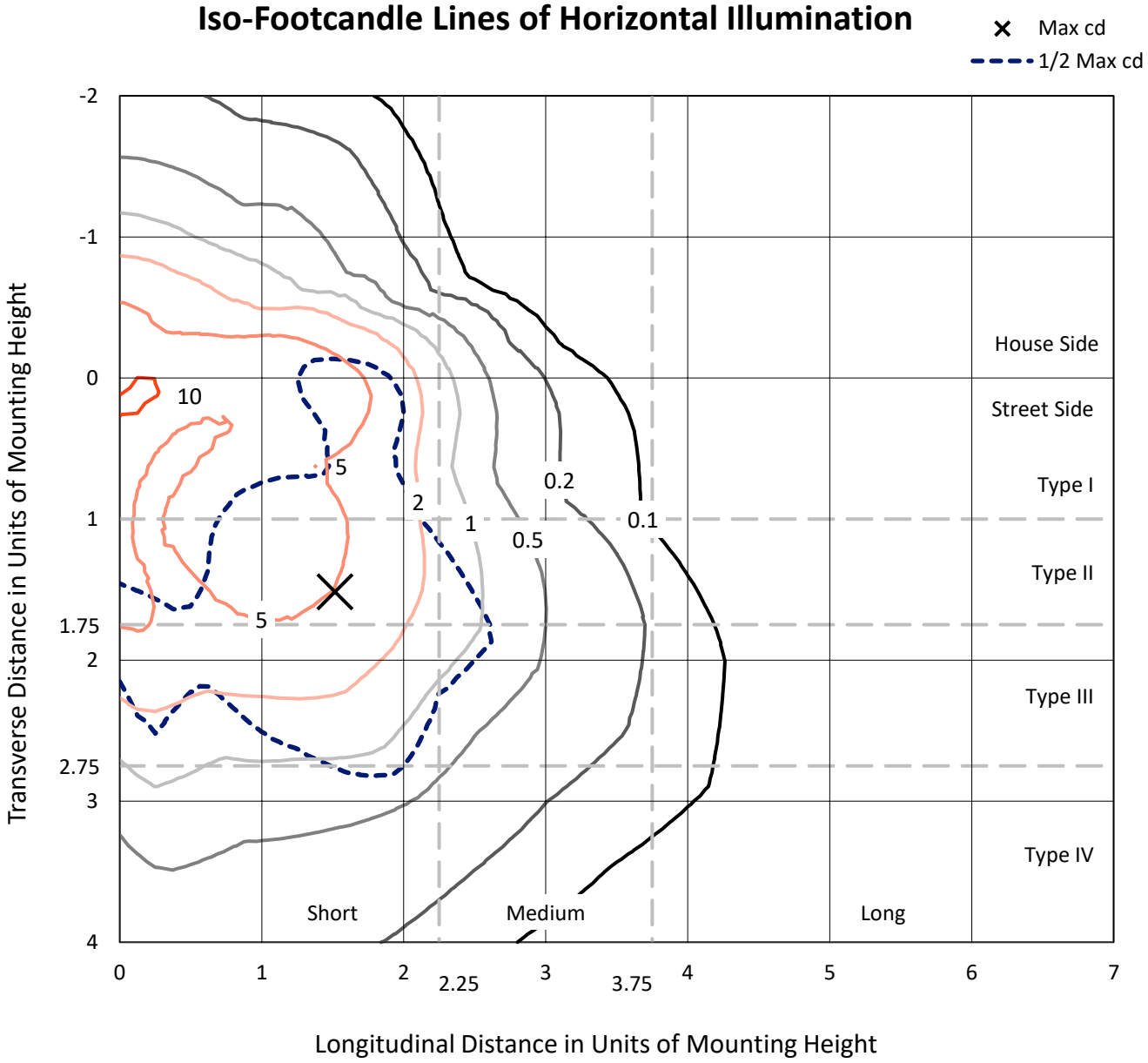
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



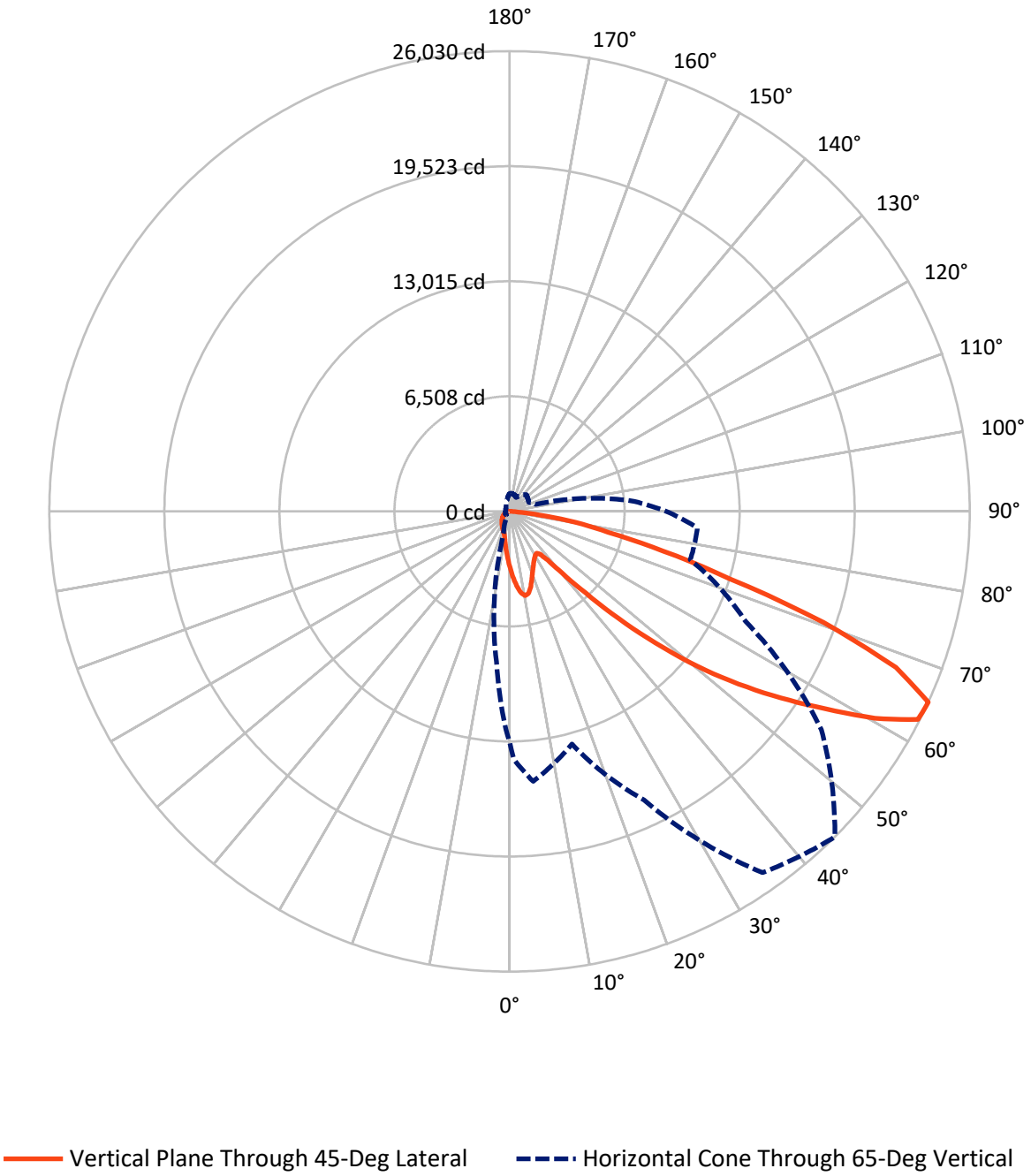
Based on 20 foot mounting height. Maximum calculated value = 11.6 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

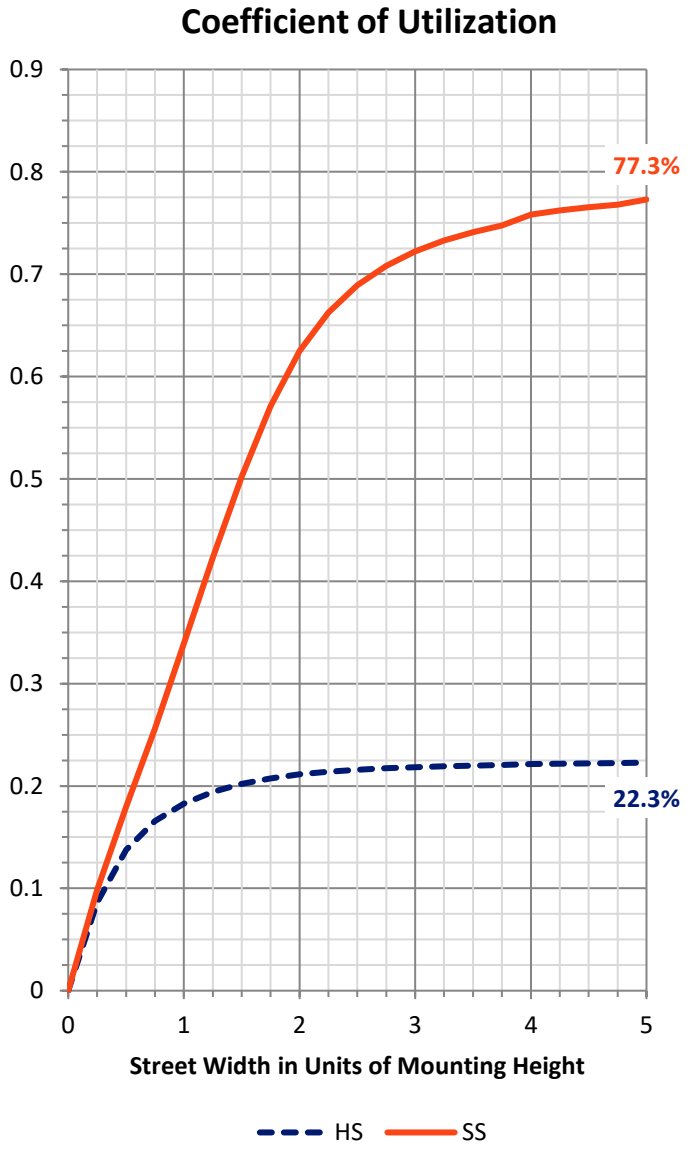
REPORT NUMBER: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4123.1	0.0	4123.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14206.1	0.0	14206.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	18329.2	0.0	18329.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	1.7
10°-20°	841.7	4.6
20°-30°	1205.6	6.6
30°-40°	1512.2	8.3
40°-50°	2484.1	13.6
50°-60°	4485.1	24.5
60°-70°	4979.2	27.2
70°-80°	2250.7	12.3
80°-90°	266.4	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°	18329.2	100.0
0°-180°	18329.2	100.0



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

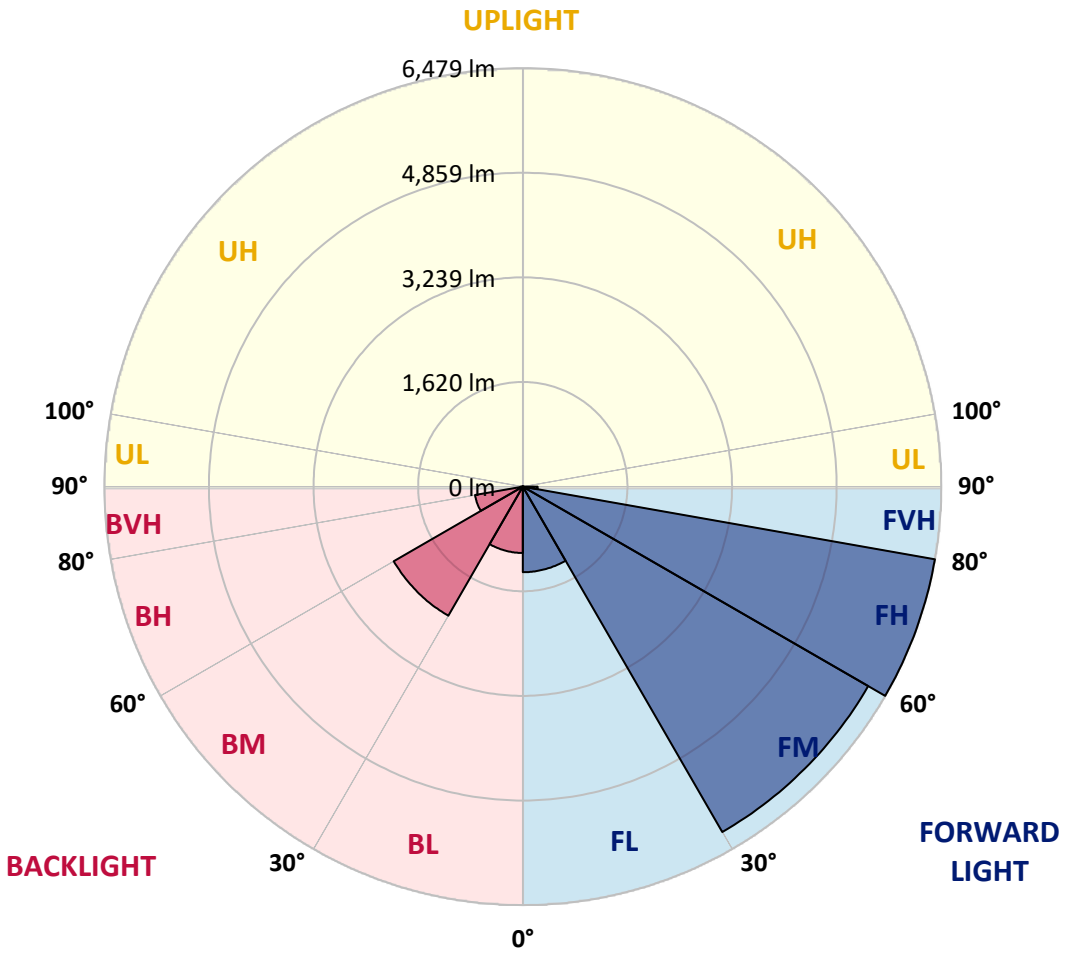
Scaled Data Report

REPORT NUMBER: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1324.1	7.2			
FM	(30°-60°)	6174.4	33.7			
FH	(60°-80°)	6478.8	35.3			G3/7500
FVH	(80°-90°)	228.7	1.2			G3/500
BL	(0°-30°)	1027.5	5.6	B3/2500		
BM	(30°-60°)	2306.9	12.6	B2/2500		
BH	(60°-80°)	751.0	4.1	B2/1000		G2/1000
BVH	(80°-90°)	37.6	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-G3
Type III Short



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

Scaled Data Report

REPORT NUMBER: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	*3166.6*	3166.6	3166.6	3166.6	3166.6
2.5°	3487.2	3532.2	3526.6	3588.4	3644.7	3684.0	*3717.8*	3706.5	3678.4	3622.2	3582.8
5°	3852.8	3886.5	3942.8	4060.9	4150.9	4229.6	*4218.4*	4229.6	4145.2	4060.9	3959.6
7.5°	4167.7	4207.1	4285.9	4454.6	4567.1	4662.7	*4651.5*	4617.7	4522.1	4381.5	4229.6
10°	4364.6	4392.7	4477.1	4668.3	4797.7	4876.4	*4848.3*	4792.1	4668.3	4527.7	4347.7
12.5°	4449.0	4482.7	4555.8	4707.7	4792.1	4775.2	*4763.9*	4752.7	4690.8	4584.0	4420.8
15°	4460.2	4482.7	4539.0	4606.5	4572.7	4477.1	*4454.6*	4539.0	4617.7	4595.2	4460.2
17.5°	4460.2	4494.0	4505.2	4437.7	4263.4	4089.0	*4066.5*	4207.1	4426.5	4600.8	4522.1
20°	4477.1	4494.0	4471.5	4252.1	3925.9	3734.7	*3695.3*	3869.6	4195.9	4539.0	4584.0
22.5°	4499.6	4516.5	4420.8	4032.8	3650.3	3447.8	*3425.3*	3554.7	3937.1	4449.0	4651.5
25°	4544.6	4533.3	4387.1	3841.5	3408.4	3217.2	*3183.5*	3352.2	3723.4	4359.0	4763.9
27.5°	4600.8	4550.2	4342.1	3684.0	3234.1	3031.6	*3009.1*	3172.2	3543.4	4246.5	4859.6
30°	4673.9	4623.3	4336.5	3560.3	3104.7	2902.2	*2874.1*	3054.1	3419.7	4167.7	4994.5
32.5°	4775.2	4702.1	4342.1	3464.7	3031.6	2840.4	*2823.5*	3014.7	3369.1	4122.7	5135.2
35°	4910.2	4803.3	4364.6	3430.9	3054.1	2924.7	*2964.1*	3110.3	3419.7	4156.5	5365.8
37.5°	5078.9	4977.7	4477.1	3504.1	3301.6	3391.6	*3492.8*	3549.1	3661.5	4314.0	5737.0
40°	5360.1	5219.5	4645.8	3740.3	3965.3	4387.1	*4584.0*	4561.5	4302.7	4673.9	6260.1
42.5°	5753.9	5624.5	4988.9	4342.1	5073.3	5967.6	*6299.4*	6108.2	5326.4	5247.6	7120.6
45°	6355.7	6141.9	5450.1	5236.4	6411.9	7879.9	*8628.0*	7969.9	6625.6	6153.2	8346.7
47.5°	7126.2	6912.5	6170.1	6130.7	7908.0	10242.2	*11130.9*	9837.2	7913.7	7340.0	9814.7
50°	8363.6	8127.4	7227.5	7041.9	9561.6	12598.9	*13785.6*	11698.9	9224.2	8599.8	11625.8
52.5°	10062.2	9904.7	8903.6	7981.1	11040.9	15197.4	*16221.0*	13645.0	10236.6	10039.7	13600.0
55°	12430.1	12278.3	11085.9	9027.3	12441.4	17801.5	*18628.3*	15416.7	11119.6	11727.1	15664.2
57.5°	15113.0	15366.1	14072.5	10422.2	13915.0	19899.4	*21052.5*	17025.3	12312.0	13982.5	17959.0
60°	16862.2	17660.9	17497.8	12857.6	16204.1	22509.2	*23763.5*	19179.5	14055.6	15641.7	17908.4
62.5°	15343.6	16142.3	17390.9	15681.1	18408.9	24871.5	*25928.9*	21446.2	15787.9	14319.9	15039.9
65°	*13020.7*	*14016.2*	*15332.4*	*13622.5*	*18020.9*	*24944.6*	*26030.1*	*21530.5*	*14730.5*	*10585.3*	*10664.0*
67.5°	11220.9	12103.9	13723.7	11592.1	15973.5	22717.3	*23572.2*	19207.6	12177.0	7019.4	6957.5
70°	9364.8	10174.7	12222.0	10320.9	13993.7	19578.8	*18842.0*	16147.9	10292.8	4662.7	3864.0
72.5°	7981.1	8729.2	10860.9	9274.8	11102.7	15866.7	*12986.9*	13397.5	8374.9	2964.1	2632.3
75°	6603.1	7289.3	9235.4	8397.4	9184.8	9899.1	*8976.7*	9516.6	6901.2	2514.1	2030.4
77.5°	4634.6	5062.0	6479.4	6681.9	7148.7	5860.7	*5692.0*	6665.0	4910.2	1248.6	854.9
80°	2283.5	2547.9	3380.3	3976.5	3380.3	3324.1	*3790.9*	4437.7	2547.9	764.9	472.5
82.5°	1023.7	1214.9	1558.0	2407.3	1220.5	1327.4	*1676.1*	2362.3	1158.6	455.6	202.5
85°	163.1	180.0	303.7	405.0	331.8	511.8	*489.3*	461.2	247.5	123.7	56.2
87.5°	5.6	5.6	5.6	11.2	16.9	22.5	*28.1*	28.1	28.1	28.1	28.1
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: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	3571.5	3554.7	3470.3	3385.9	3312.8	3239.7	3166.6	3065.3	2986.6	2919.1	2891.0
5°	3909.0	3819.0	3689.7	3549.1	3425.3	3284.7	3149.7	2997.9	2874.1	2744.7	2677.3
7.5°	4139.6	4049.6	3835.9	3622.2	3470.3	3318.4	3177.8	3009.1	2846.0	2660.4	2559.1
10°	4246.5	4145.2	3914.6	3667.2	3481.6	3329.7	3200.3	3059.7	2896.6	2666.0	2531.0
12.5°	4319.6	4195.9	3931.5	3678.4	3492.8	3335.3	3211.6	3110.3	3014.7	2789.7	2632.3
15°	4364.6	4252.1	3976.5	3684.0	3475.9	3290.3	3172.2	3138.5	3155.3	3048.5	2857.2
17.5°	4432.1	4325.2	4032.8	3717.8	3447.8	3194.7	3065.3	3138.5	3290.3	3324.1	3172.2
20°	4522.1	4409.6	4105.9	3745.9	3363.4	3014.7	2891.0	3076.6	3329.7	3504.1	3419.7
22.5°	4623.3	4533.3	4190.2	3774.0	3239.7	2778.5	2722.3	2947.2	3217.2	3442.2	3447.8
25°	4747.1	4662.7	4308.4	3802.2	3071.0	2576.0	2587.3	2778.5	2992.2	3222.8	3262.2
27.5°	4915.8	4837.1	4454.6	3835.9	2896.6	2412.9	2469.1	2609.8	2756.0	2896.6	2952.9
30°	5101.4	5039.5	4629.0	3903.4	2733.5	2317.3	2351.0	2446.7	2564.8	2649.1	2677.3
32.5°	5354.5	5253.3	4792.1	3897.8	2609.8	2272.3	2238.5	2266.7	2362.3	2446.7	2452.3
35°	5669.5	5590.7	4960.8	3796.5	2497.3	2249.8	2131.7	2114.8	2171.1	2255.4	2249.8
37.5°	6130.7	6063.2	5236.4	3639.0	2356.7	2193.6	2019.2	1962.9	2002.3	2058.6	2075.4
40°	6822.5	6648.1	5551.4	3464.7	2216.0	2092.3	1884.2	1805.5	1833.6	1895.5	1906.7
42.5°	7761.8	7429.9	5973.2	3228.5	2081.1	1940.4	1749.2	1664.8	1681.7	1738.0	1749.2
45°	8965.4	8464.9	6552.5	2981.0	1974.2	1783.0	1608.6	1518.6	1535.5	1597.4	1625.5
47.5°	10371.6	9685.4	7160.0	2716.6	1912.3	1659.2	1468.0	1400.5	1439.9	1501.7	1513.0
50°	12030.8	11339.0	7548.1	2502.9	1873.0	1563.6	1338.6	1310.5	1361.1	1411.7	1423.0
52.5°	13841.9	12857.6	7300.6	2328.5	1839.2	1529.9	1248.6	1259.9	1299.3	1349.9	1366.8
55°	15602.3	13414.4	6479.4	2103.6	1799.8	1552.4	1181.1	1209.3	1259.9	1299.3	1310.5
57.5°	16749.7	12947.6	5219.5	1867.3	1754.8	1569.2	1147.4	1169.9	1226.1	1271.1	1276.8
60°	15748.6	11923.9	3909.0	1664.8	1659.2	1541.1	1136.1	1102.4	1181.1	1220.5	1226.1
62.5°	12902.6	9752.9	2497.3	1473.6	1479.2	1479.2	1130.5	989.9	1091.2	1124.9	1119.3
65°	*8864.2*	*6895.6*	*1546.7*	*1203.6*	*1259.9*	*1344.3*	*1096.8*	*871.8*	*989.9*	*1023.7*	*1012.4*
67.5°	5827.0	4381.5	956.2	928.0	1034.9	1164.3	1029.3	781.8	888.7	911.2	877.4
70°	3161.0	2064.2	629.9	607.4	809.9	916.8	871.8	703.1	793.1	815.6	781.8
72.5°	2086.7	1186.8	444.3	444.3	635.6	641.2	714.3	629.9	703.1	725.6	691.8
75°	1569.2	764.9	309.3	343.1	405.0	500.6	511.8	528.7	596.2	624.3	590.6
77.5°	719.9	281.2	185.6	253.1	281.2	382.5	326.2	393.7	444.3	455.6	427.5
80°	416.2	157.5	123.7	163.1	180.0	315.0	191.2	236.2	315.0	331.8	298.1
82.5°	174.4	78.7	84.4	101.2	106.9	174.4	135.0	151.9	208.1	202.5	180.0
85°	50.6	50.6	56.2	61.9	61.9	101.2	95.6	90.0	95.6	95.6	78.7
87.5°	33.7	33.7	33.7	39.4	39.4	45.0	50.6	56.2	56.2	56.2	50.6
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: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	2851.6	2801.0	2727.9	2716.6	2677.3	2649.1	2677.3	2705.4	2756.0	2761.6	2784.1
5°	2615.4	2497.3	2407.3	2306.0	2255.4	2249.8	2238.5	2272.3	2345.4	2390.4	2424.2
7.5°	2457.9	2244.2	2086.7	1946.1	1895.5	1856.1	1889.8	1884.2	1979.8	2019.2	2052.9
10°	2373.5	2075.4	1839.2	1664.8	1597.4	1558.0	1552.4	1563.6	1619.9	1659.2	1698.6
12.5°	2429.8	2007.9	1659.2	1456.7	1383.6	1338.6	1299.3	1299.3	1310.5	1361.1	1378.0
15°	2615.4	2047.3	1574.9	1355.5	1259.9	1186.8	1136.1	1096.8	1102.4	1108.0	1124.9
17.5°	2885.4	2148.6	1546.7	1293.6	1192.4	1102.4	1051.8	1006.8	995.5	995.5	989.9
20°	3144.1	2227.3	1524.2	1243.0	1113.6	1034.9	989.9	950.5	933.7	933.7	933.7
22.5°	3251.0	2294.8	1496.1	1181.1	1034.9	961.8	922.4	894.3	888.7	888.7	883.0
25°	3166.6	2272.3	1462.4	1119.3	961.8	905.5	871.8	843.7	838.0	843.7	838.0
27.5°	2902.2	2193.6	1417.4	1068.7	905.5	854.9	826.8	798.7	793.1	798.7	798.7
30°	2621.0	2058.6	1344.3	1029.3	860.5	804.3	776.2	748.1	748.1	753.7	759.3
32.5°	2396.0	1923.6	1259.9	978.7	809.9	759.3	731.2	703.1	703.1	714.3	714.3
35°	2204.8	1816.7	1175.5	928.0	764.9	708.7	686.2	663.7	658.1	669.3	674.9
37.5°	2052.9	1721.1	1085.5	877.4	719.9	669.3	646.8	618.7	613.1	624.3	635.6
40°	1895.5	1614.2	1006.8	815.6	674.9	624.3	601.8	568.1	568.1	579.3	590.6
42.5°	1743.6	1518.6	956.2	759.3	629.9	573.7	551.2	523.1	523.1	534.3	545.6
45°	1619.9	1428.6	928.0	703.1	579.3	528.7	500.6	478.1	483.7	495.0	506.2
47.5°	1501.7	1333.0	933.7	674.9	545.6	478.1	450.0	433.1	444.3	461.2	472.5
50°	1411.7	1265.5	939.3	629.9	500.6	438.7	410.6	399.3	416.2	433.1	444.3
52.5°	1355.5	1198.0	905.5	573.7	466.8	399.3	382.5	382.5	399.3	410.6	421.8
55°	1299.3	1085.5	832.4	511.8	433.1	371.2	360.0	360.0	376.8	388.1	393.7
57.5°	1254.3	967.4	748.1	461.2	393.7	343.1	343.1	343.1	348.7	354.3	365.6
60°	1169.9	843.7	641.2	421.8	354.3	320.6	315.0	315.0	309.3	315.0	331.8
62.5°	1023.7	708.7	545.6	376.8	320.6	292.5	286.8	270.0	253.1	258.7	270.0
65°	*866.2*	*562.4*	*455.6*	*326.2*	*275.6*	*258.7*	*253.1*	*225.0*	*202.5*	*208.1*	*225.0*
67.5°	691.8	421.8	382.5	281.2	236.2	219.4	219.4	202.5	185.6	185.6	196.9
70°	540.0	354.3	286.8	225.0	185.6	185.6	196.9	180.0	157.5	157.5	174.4
72.5°	438.7	286.8	230.6	174.4	146.2	157.5	163.1	146.2	129.4	129.4	140.6
75°	343.1	225.0	180.0	129.4	112.5	118.1	129.4	118.1	101.2	106.9	112.5
77.5°	236.2	151.9	118.1	95.6	84.4	90.0	90.0	84.4	78.7	78.7	84.4
80°	157.5	101.2	78.7	67.5	61.9	61.9	56.2	56.2	61.9	61.9	67.5
82.5°	112.5	73.1	61.9	50.6	39.4	39.4	45.0	45.0	50.6	50.6	56.2
85°	67.5	50.6	45.0	33.7	28.1	33.7	33.7	39.4	45.0	45.0	50.6
87.5°	50.6	39.4	33.7	28.1	22.5	22.5	28.1	28.1	33.7	39.4	39.4
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: P1365339
CATALOG NUMBER: GSS-SB6A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6	3166.6
2.5°	2840.4	2907.9	3003.5	3087.8	3189.1	3290.3	3385.9	3475.9	3481.6	3487.2
5°	2531.0	2666.0	2823.5	3014.7	3217.2	3414.1	3622.2	3790.9	3830.3	3852.8
7.5°	2187.9	2384.8	2626.6	2896.6	3200.3	3504.1	3796.5	4049.6	4145.2	4167.7
10°	1828.0	2069.8	2362.3	2711.0	3121.6	3526.6	3920.3	4229.6	4342.1	4364.6
12.5°	1507.4	1704.2	2041.7	2463.5	2958.5	3492.8	3965.3	4308.4	4420.8	4449.0
15°	1231.8	1417.4	1732.3	2176.7	2733.5	3374.7	3931.5	4325.2	4437.7	4460.2
17.5°	1018.0	1136.1	1423.0	1906.7	2531.0	3222.8	3886.5	4336.5	4443.3	4460.2
20°	933.7	956.2	1108.0	1580.5	2317.3	3110.3	3858.4	4353.4	4460.2	4477.1
22.5°	894.3	894.3	928.0	1203.6	2019.2	2992.2	3847.1	4404.0	4482.7	4499.6
25°	854.9	854.9	866.2	944.9	1664.8	2846.0	3869.6	4494.0	4544.6	4544.6
27.5°	815.6	815.6	826.8	843.7	1237.4	2604.1	3875.3	4595.2	4617.7	4600.8
30°	776.2	787.4	787.4	798.7	911.2	2300.4	3841.5	4707.7	4707.7	4673.9
32.5°	736.8	742.4	753.7	759.3	793.1	1906.7	3785.3	4848.3	4820.2	4775.2
35°	703.1	708.7	708.7	719.9	753.7	1524.2	3723.4	5039.5	4960.8	4910.2
37.5°	658.1	663.7	669.3	680.6	714.3	1209.3	3633.4	5202.7	5146.4	5078.9
40°	618.7	624.3	629.9	641.2	674.9	1040.5	3520.9	5450.1	5438.9	5360.1
42.5°	573.7	584.9	590.6	596.2	641.2	950.5	3442.2	5849.5	5849.5	5753.9
45°	534.3	545.6	545.6	556.8	618.7	871.8	3616.5	6400.7	6445.7	6355.7
47.5°	500.6	506.2	506.2	511.8	584.9	804.3	4083.4	7244.3	7188.1	7126.2
50°	466.8	478.1	466.8	472.5	556.8	843.7	4853.9	8324.2	8470.5	8363.6
52.5°	444.3	450.0	427.5	427.5	517.5	894.3	5483.9	9702.2	10191.6	10062.2
55°	416.2	421.8	393.7	393.7	455.6	776.2	5523.2	11271.5	12345.7	12430.1
57.5°	388.1	388.1	365.6	360.0	393.7	629.9	4898.9	12486.4	14921.8	15113.0
60°	354.3	348.7	337.5	326.2	360.0	579.3	3734.7	12323.3	16198.5	16862.2
62.5°	303.7	315.0	309.3	286.8	326.2	540.0	2435.4	10664.0	14758.7	15343.6
65°	*253.1*	*270.0*	*270.0*	*253.1*	*360.0*	*472.5*	*1282.4*	*8538.0*	*12317.6*	*13020.7*
67.5°	225.0	236.2	230.6	219.4	320.6	298.1	618.7	6546.9	10545.9	11220.9
70°	196.9	208.1	191.2	180.0	258.7	213.7	365.6	4381.5	8706.7	9364.8
72.5°	163.1	174.4	157.5	140.6	191.2	163.1	241.9	2851.6	7250.0	7981.1
75°	135.0	140.6	129.4	112.5	140.6	129.4	168.7	1861.7	6063.2	6603.1
77.5°	95.6	106.9	101.2	84.4	101.2	90.0	118.1	1063.0	4229.6	4634.6
80°	73.1	73.1	73.1	67.5	61.9	61.9	78.7	478.1	2052.9	2283.5
82.5°	61.9	61.9	56.2	50.6	45.0	39.4	45.0	140.6	967.4	1023.7
85°	56.2	45.0	39.4	33.7	28.1	16.9	16.9	39.4	196.9	163.1
87.5°	33.7	28.1	22.5	11.2	5.6	5.6	0.0	5.6	5.6	5.6
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

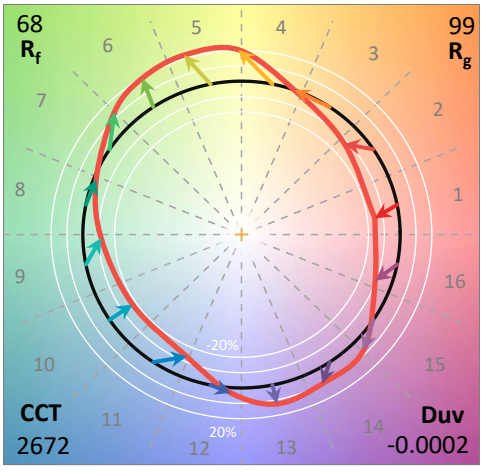
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

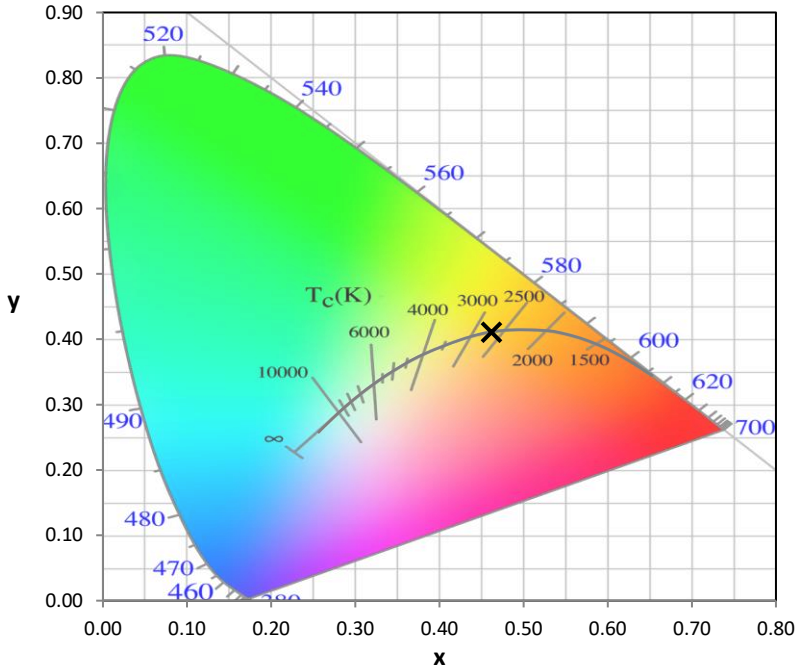
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

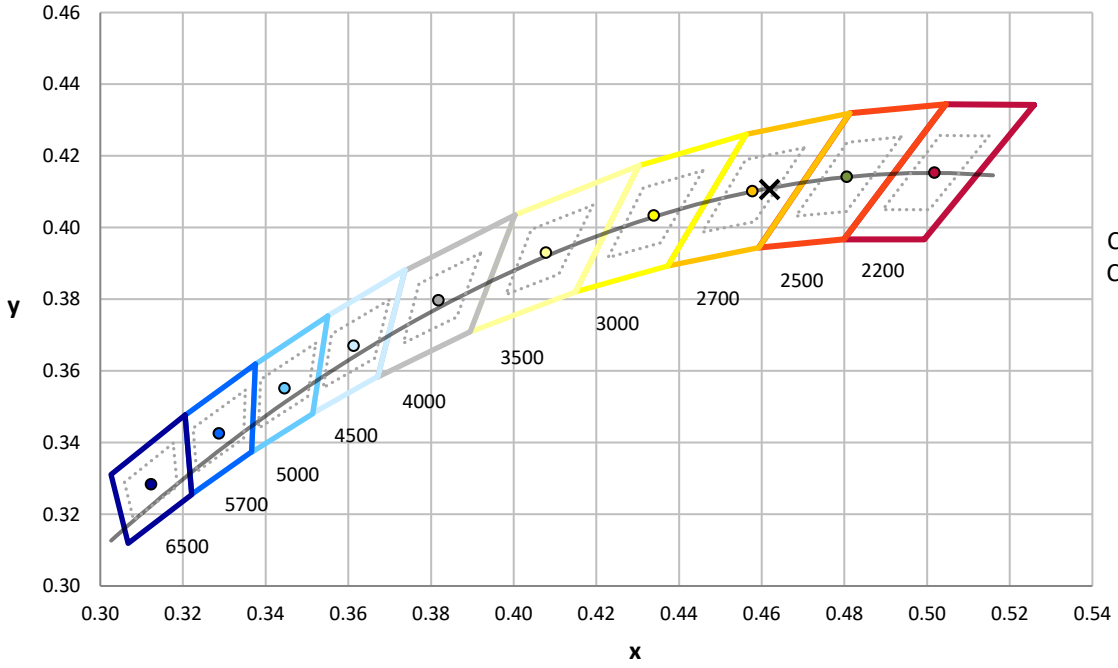
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

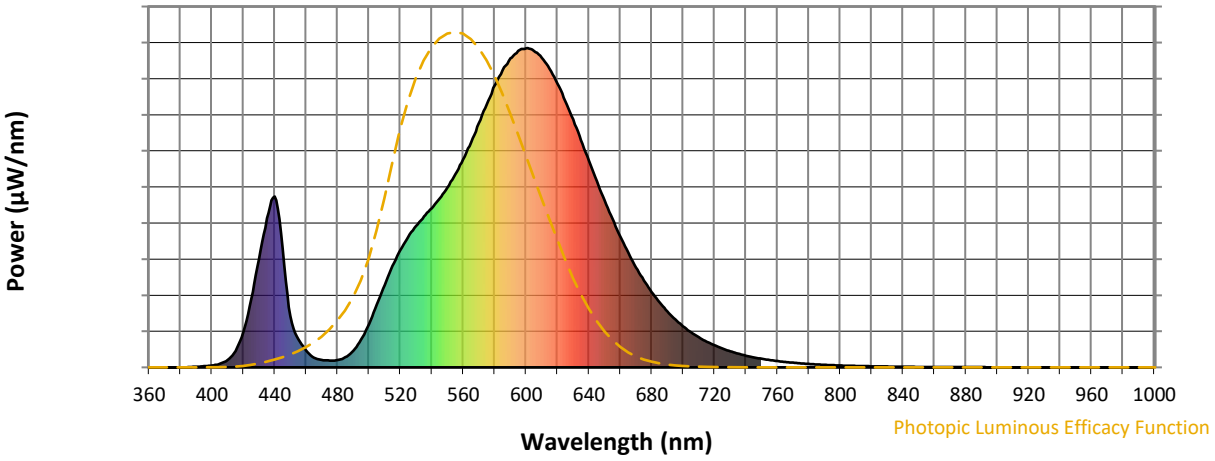


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

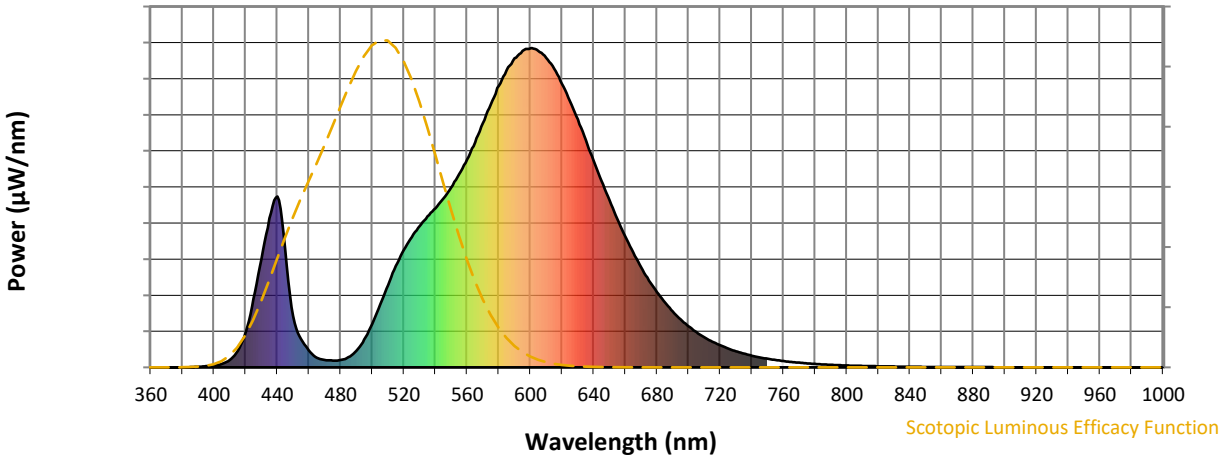


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

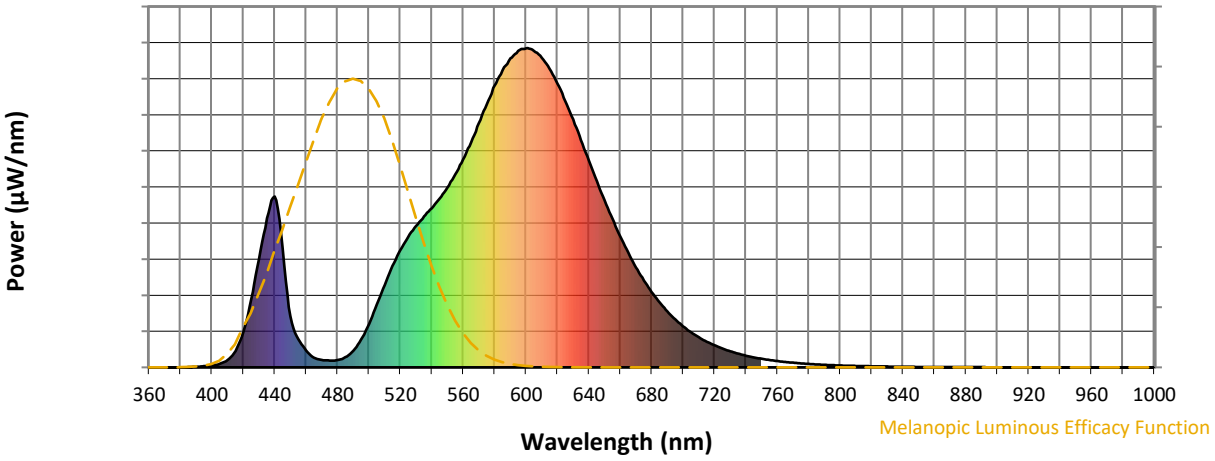


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

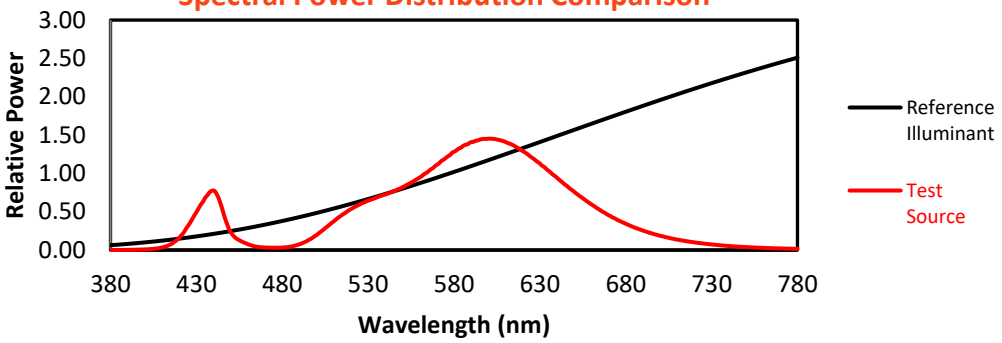
REPORT NUMBER: SP1-2407-184-3

TM-30-18

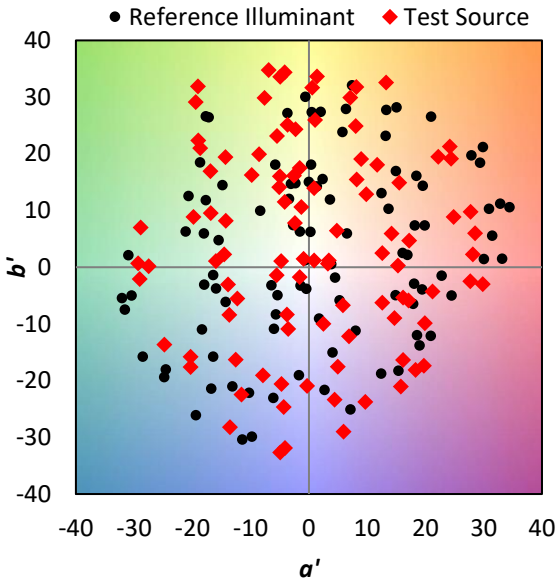
Summary

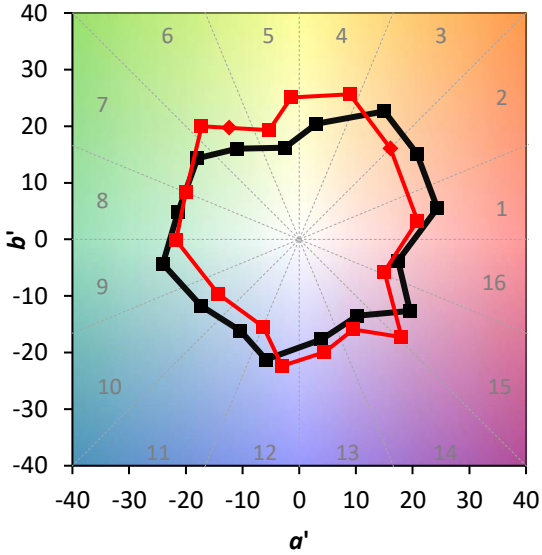
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

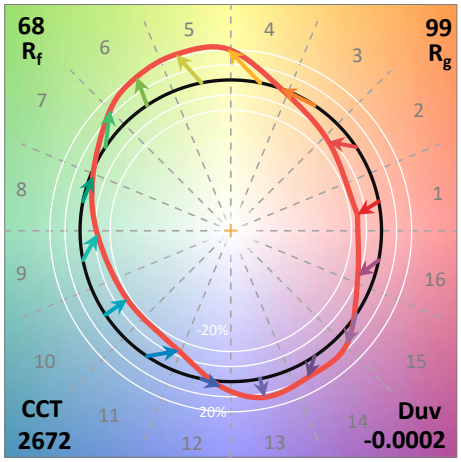
Spectral Power Distribution Comparison

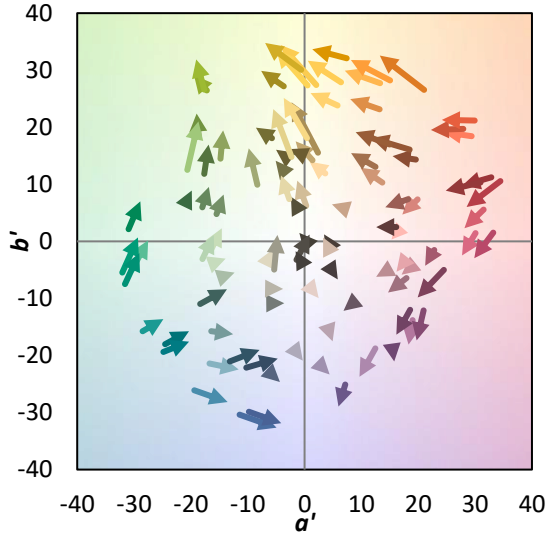


Color Vector Graphics







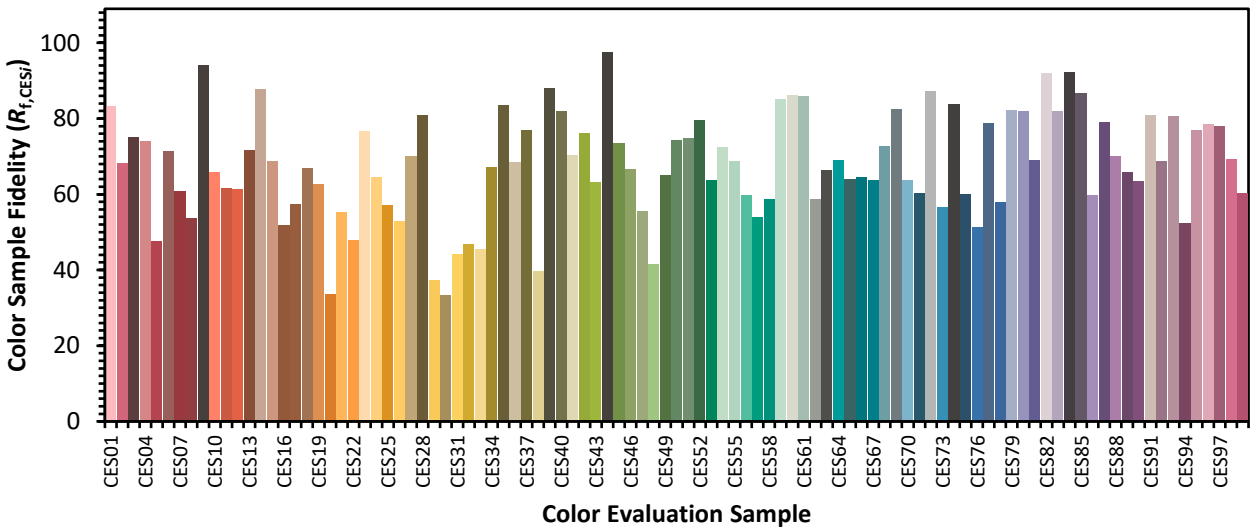


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

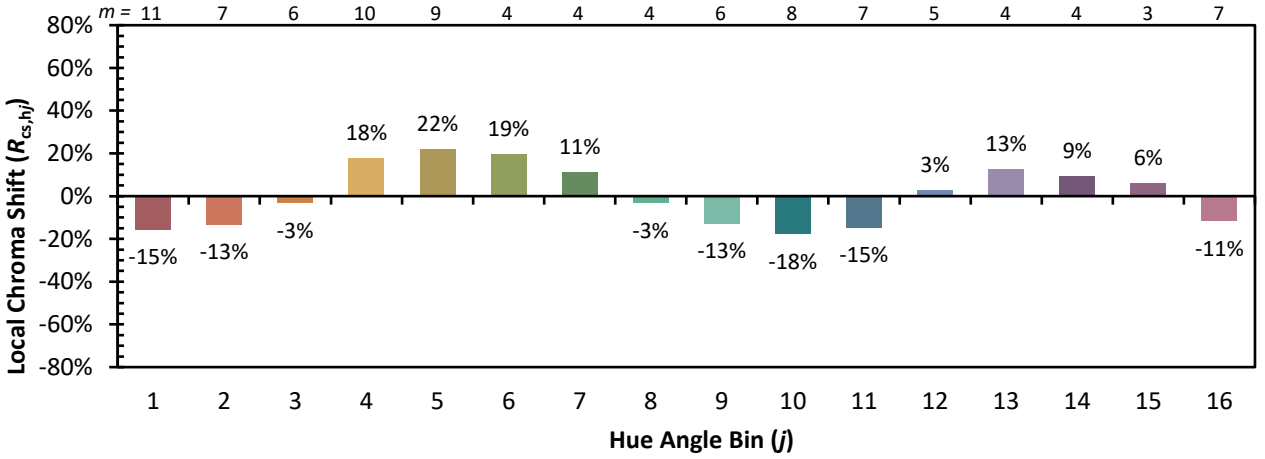
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

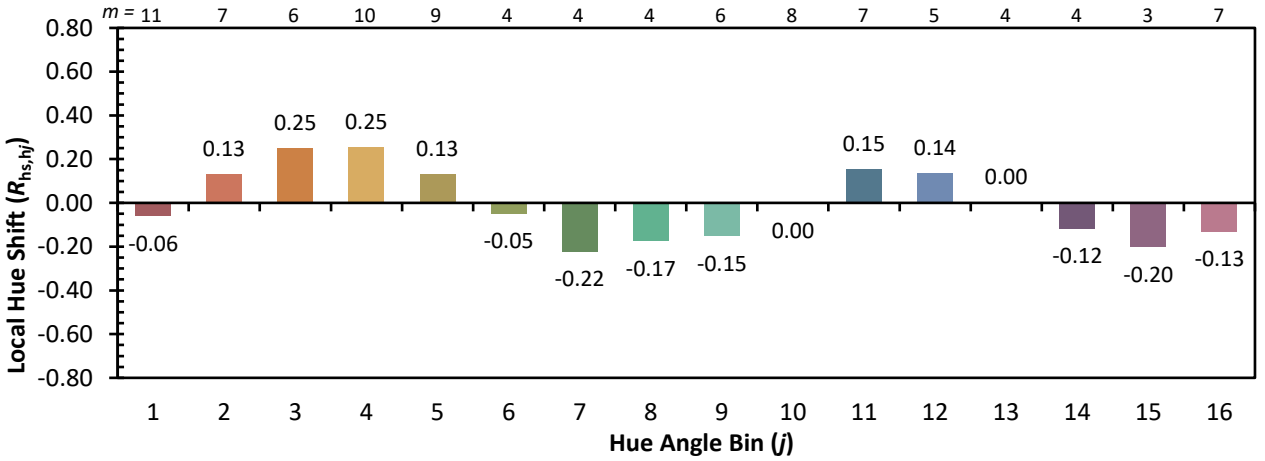


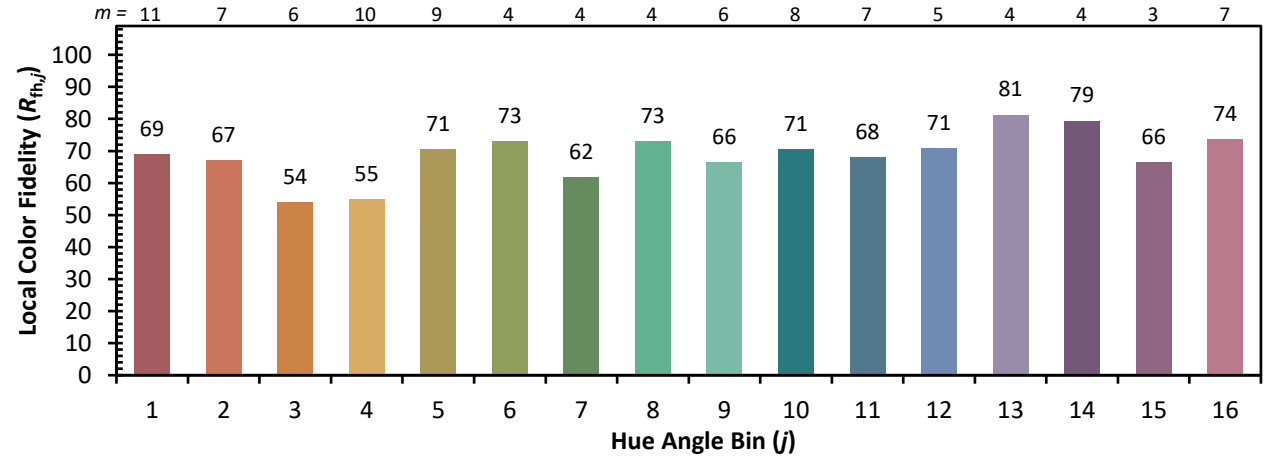
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



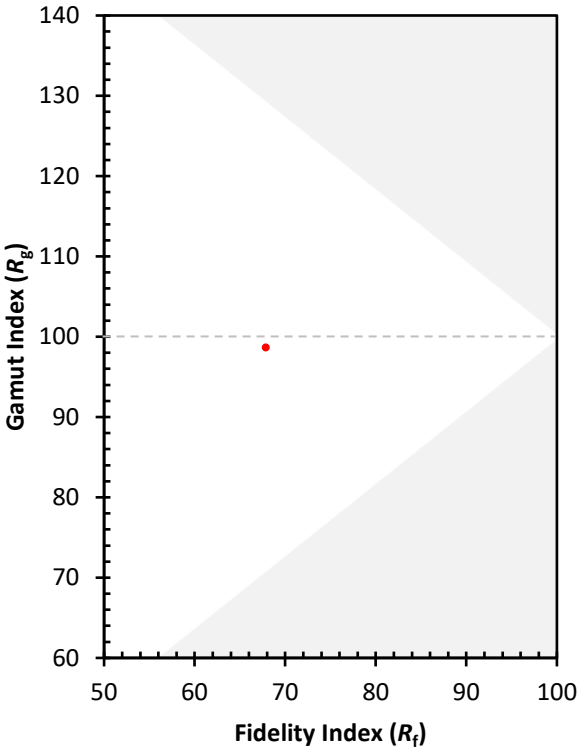


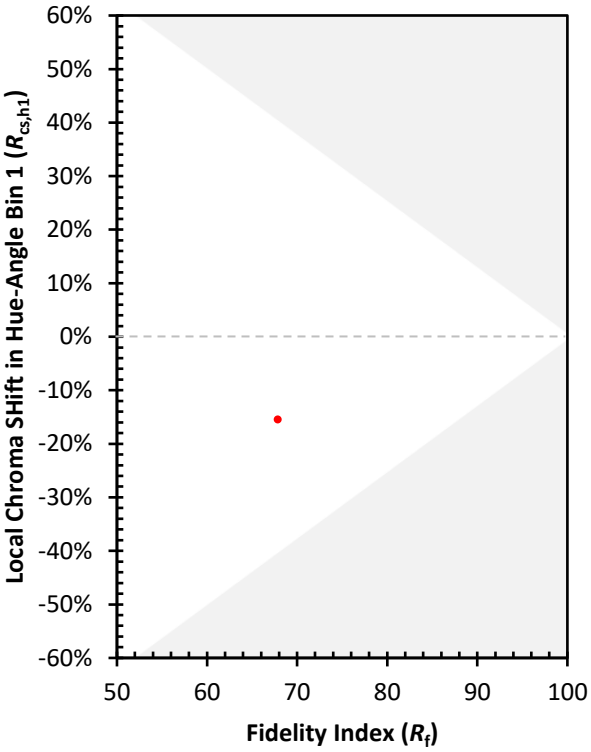


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)