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: P1365309

Luminaire Tested: **GSS-SB4C-722-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365309
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18079.9 lumens
Efficiency:	N/A
Efficacy:	88.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

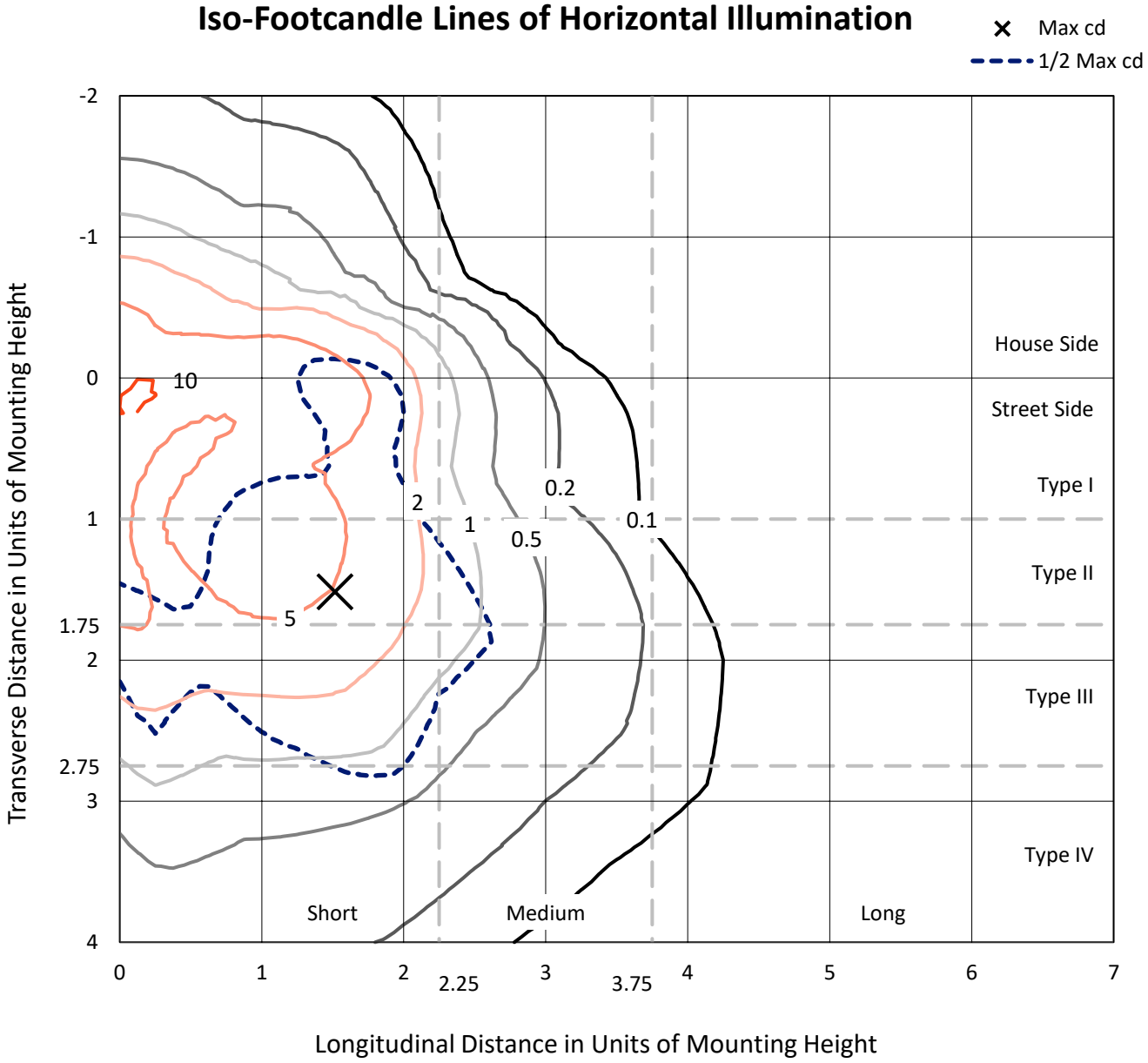
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



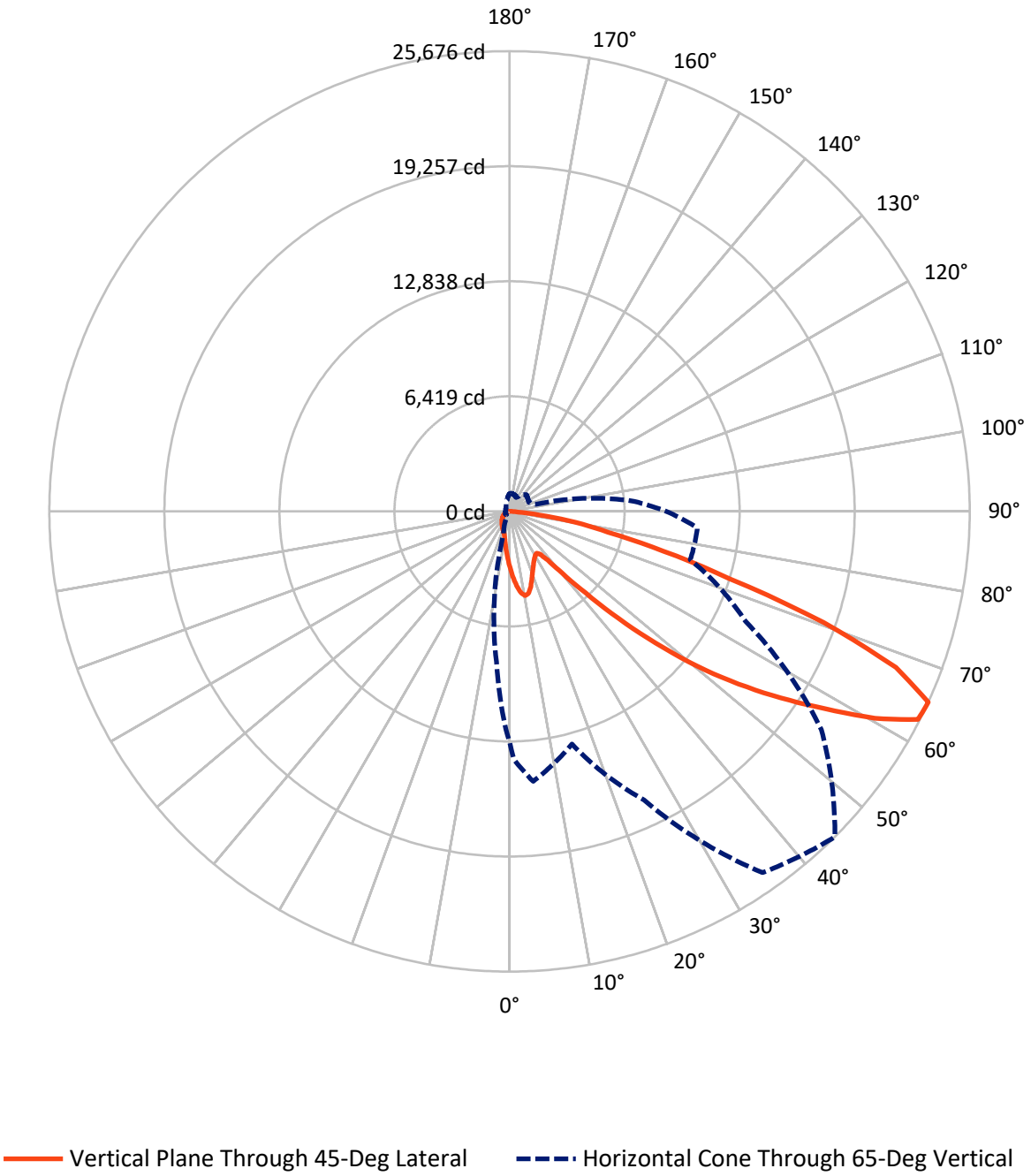
Based on 20 foot mounting height. Maximum calculated value = 11.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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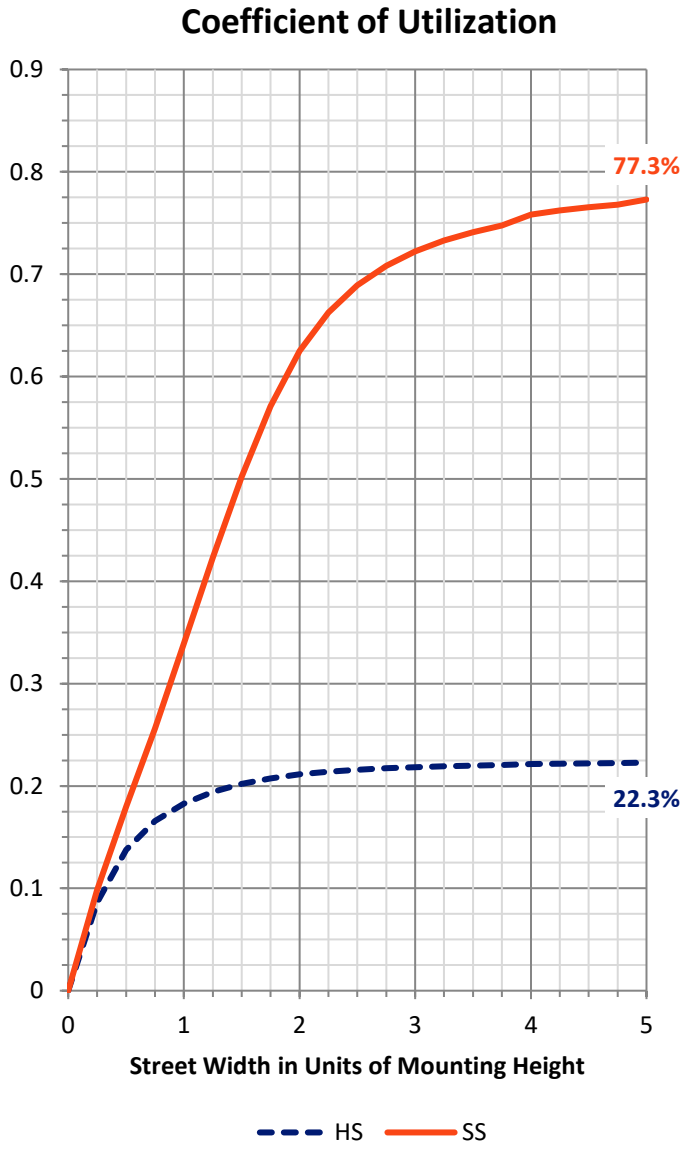
REPORT NUMBER: P1365309
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4067.0	0.0	4067.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14012.9	0.0	14012.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	18079.9	0.0	18079.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.2	1.7
10°-20°	830.2	4.6
20°-30°	1189.2	6.6
30°-40°	1491.7	8.3
40°-50°	2450.3	13.6
50°-60°	4424.1	24.5
60°-70°	4911.5	27.2
70°-80°	2220.1	12.3
80°-90°	262.7	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°	18079.9	100.0
0°-180°	18079.9	100.0



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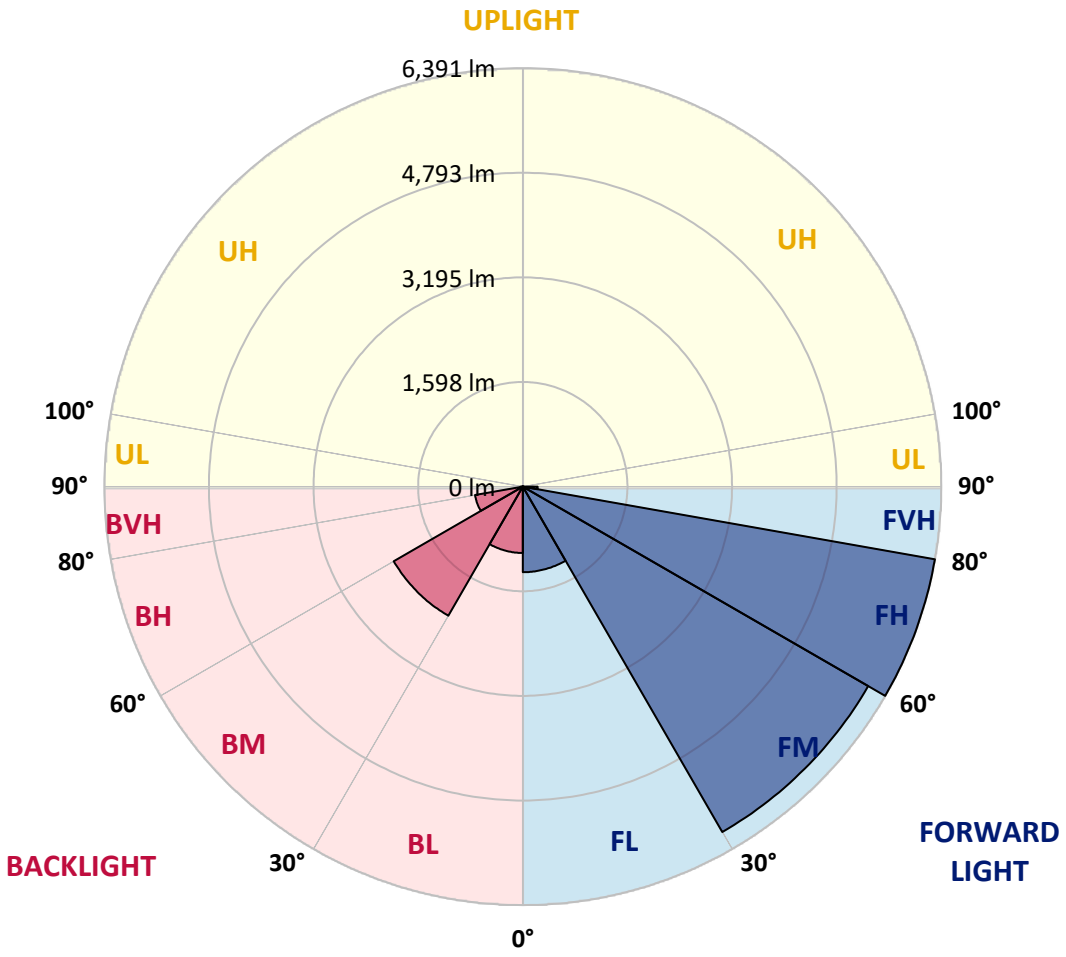
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1306.1	7.2			
FM	(30°-60°)	6090.5	33.7			
FH	(60°-80°)	6390.7	35.3			G3/7500
FVH	(80°-90°)	225.6	1.2			G3/500
BL	(0°-30°)	1013.5	5.6	B3/2500		
BM	(30°-60°)	2275.6	12.6	B2/2500		
BH	(60°-80°)	740.8	4.1	B2/1000		G2/1000
BVH	(80°-90°)	37.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5
2.5°	3439.8	3484.1	3478.6	3539.6	3595.1	3633.9	3667.2	3656.1	3628.4	3572.9	3534.1
5°	3800.4	3833.7	3889.1	4005.7	4094.4	4172.1	4161.0	4172.1	4088.9	4005.7	3905.8
7.5°	4111.1	4149.9	4227.6	4394.0	4505.0	4599.3	4588.2	4554.9	4460.6	4321.9	4172.1
10°	4305.2	4333.0	4416.2	4604.8	4732.4	4810.1	4782.4	4726.9	4604.8	4466.1	4288.6
12.5°	4388.5	4421.8	4493.9	4643.7	4726.9	4710.3	4699.2	4688.1	4627.0	4521.6	4360.7
15°	4399.6	4421.8	4477.2	4543.8	4510.5	4416.2	4394.0	4477.2	4554.9	4532.7	4399.6
17.5°	4399.6	4432.9	4443.9	4377.4	4205.4	4033.4	4011.2	4149.9	4366.3	4538.3	4460.6
20°	4416.2	4432.9	4410.7	4194.3	3872.5	3683.9	3645.0	3817.0	4138.8	4477.2	4521.6
22.5°	4438.4	4455.0	4360.7	3977.9	3600.7	3400.9	3378.7	3506.3	3883.6	4388.5	4588.2
25°	4482.8	4471.7	4327.4	3789.3	3362.1	3173.5	3140.2	3306.6	3672.8	4299.7	4699.2
27.5°	4538.3	4488.3	4283.1	3633.9	3190.1	2990.4	2968.2	3129.1	3495.2	4188.7	4793.5
30°	4610.4	4560.5	4277.5	3511.9	3062.5	2862.8	2835.0	3012.6	3373.2	4111.1	4926.6
32.5°	4710.3	4638.1	4283.1	3417.6	2990.4	2801.7	2785.1	2973.7	3323.3	4066.7	5065.3
35°	4843.4	4738.0	4305.2	3384.3	3012.6	2885.0	2923.8	3068.0	3373.2	4100.0	5292.8
37.5°	5009.8	4910.0	4416.2	3456.4	3256.7	3345.4	3445.3	3500.8	3611.7	4255.3	5659.0
40°	5287.2	5148.5	4582.6	3689.4	3911.3	4327.4	4521.6	4499.4	4244.2	4610.4	6174.9
42.5°	5675.6	5548.0	4921.1	4283.1	5004.3	5886.4	6213.8	6025.1	5254.0	5176.3	7023.8
45°	6269.2	6058.4	5376.0	5165.2	6324.7	7772.7	8510.6	7861.5	6535.5	6069.5	8233.2
47.5°	7029.3	6818.5	6086.2	6047.3	7800.5	10102.9	10979.5	9703.4	7806.0	7240.1	9681.3
50°	8249.9	8016.9	7129.2	6946.1	9431.6	12427.5	13598.1	11539.8	9098.7	8482.9	11467.7
52.5°	9925.4	9770.0	8782.5	7872.6	10890.7	14990.7	16000.4	13459.4	10097.4	9903.2	13415.1
55°	12261.1	12111.3	10935.1	8904.5	12272.2	17559.4	18375.0	15207.1	10968.4	11567.6	15451.2
57.5°	14907.5	15157.1	13881.1	10280.4	13725.7	19628.8	20766.2	16793.8	12144.6	13792.3	17714.8
60°	16632.9	17420.7	17259.8	12682.7	15983.8	22203.1	23440.3	18918.7	13864.4	15429.0	17664.8
62.5°	15134.9	15922.8	17154.4	15467.8	18158.6	24533.3	25576.3	21154.5	15573.2	14125.2	14835.3
65°	12843.6	13825.6	15123.8	13437.3	17775.8	24605.4	25676.1	21237.7	14530.2	10441.3	10519.0
67.5°	11068.3	11939.3	13537.1	11434.4	15756.3	22408.4	23251.7	18946.4	12011.4	6923.9	6862.9
70°	9237.4	10036.3	12055.8	10180.6	13803.4	19312.6	18585.8	15928.3	10152.8	4599.3	3811.5
72.5°	7872.6	8610.5	10713.2	9148.6	10951.7	15650.9	12810.3	13215.3	8261.0	2923.8	2596.5
75°	6513.4	7190.2	9109.8	8283.2	9059.9	9764.5	8854.6	9387.2	6807.4	2480.0	2002.8
77.5°	4571.6	4993.2	6391.3	6591.0	7051.5	5781.0	5614.6	6574.4	4843.4	1231.7	843.3
80°	2252.5	2513.2	3334.3	3922.4	3334.3	3278.9	3739.4	4377.4	2513.2	754.5	466.0
82.5°	1009.7	1198.4	1536.8	2374.5	1203.9	1309.3	1653.3	2330.2	1142.9	449.4	199.7
85°	160.9	177.5	299.6	399.5	327.3	504.9	482.7	454.9	244.1	122.1	55.5
87.5°	5.5	5.5	5.5	11.1	16.6	22.2	27.7	27.7	27.7	27.7	27.7
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°	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5
2.5°	3523.0	3506.3	3423.1	3339.9	3267.8	3195.6	3123.5	3023.7	2946.0	2879.4	2851.7
5°	3855.9	3767.1	3639.5	3500.8	3378.7	3240.0	3106.9	2957.1	2835.0	2707.4	2640.8
7.5°	4083.3	3994.6	3783.7	3572.9	3423.1	3273.3	3134.6	2968.2	2807.3	2624.2	2524.3
10°	4188.7	4088.9	3861.4	3617.3	3434.2	3284.4	3156.8	3018.1	2857.2	2629.8	2496.6
12.5°	4260.9	4138.8	3878.1	3628.4	3445.3	3290.0	3167.9	3068.0	2973.7	2751.8	2596.5
15°	4305.2	4194.3	3922.4	3633.9	3428.7	3245.6	3129.1	3095.8	3112.4	3007.0	2818.4
17.5°	4371.8	4266.4	3977.9	3667.2	3400.9	3151.3	3023.7	3095.8	3245.6	3278.9	3129.1
20°	4460.6	4349.6	4050.0	3695.0	3317.7	2973.7	2851.7	3034.8	3284.4	3456.4	3373.2
22.5°	4560.5	4471.7	4133.3	3722.7	3195.6	2740.7	2685.2	2907.2	3173.5	3395.4	3400.9
25°	4682.5	4599.3	4249.8	3750.4	3029.2	2541.0	2552.1	2740.7	2951.5	3179.0	3217.8
27.5°	4849.0	4771.3	4394.0	3783.7	2857.2	2380.1	2435.6	2574.3	2718.5	2857.2	2912.7
30°	5032.0	4971.0	4566.0	3850.3	2696.3	2285.8	2319.1	2413.4	2529.9	2613.1	2640.8
32.5°	5281.7	5181.8	4726.9	3844.8	2574.3	2241.4	2208.1	2235.8	2330.2	2413.4	2418.9
35°	5592.4	5514.7	4893.3	3744.9	2463.3	2219.2	2102.7	2086.0	2141.5	2224.7	2219.2
37.5°	6047.3	5980.7	5165.2	3589.6	2324.6	2163.7	1991.7	1936.3	1975.1	2030.6	2047.2
40°	6729.7	6557.7	5475.9	3417.6	2185.9	2063.9	1858.6	1780.9	1808.6	1869.7	1880.8
42.5°	7656.2	7328.9	5892.0	3184.6	2052.8	1914.1	1725.4	1642.2	1658.9	1714.3	1725.4
45°	8843.5	8349.7	6463.4	2940.4	1947.3	1758.7	1586.7	1498.0	1514.6	1575.6	1603.4
47.5°	10230.5	9553.7	7062.6	2679.7	1886.3	1636.7	1448.0	1381.5	1420.3	1481.3	1492.4
50°	11867.2	11184.8	7445.4	2468.9	1847.5	1542.3	1320.4	1292.7	1342.6	1392.5	1403.6
52.5°	13653.6	12682.7	7201.3	2296.9	1814.2	1509.1	1231.7	1242.8	1281.6	1331.5	1348.2
55°	15390.1	13232.0	6391.3	2075.0	1775.4	1531.2	1165.1	1192.8	1242.8	1281.6	1292.7
57.5°	16521.9	12771.5	5148.5	1841.9	1731.0	1547.9	1131.8	1154.0	1209.5	1253.8	1259.4
60°	15534.4	11761.8	3855.9	1642.2	1636.7	1520.2	1120.7	1087.4	1165.1	1203.9	1209.5
62.5°	12727.1	9620.2	2463.3	1453.6	1459.1	1459.1	1115.1	976.4	1076.3	1109.6	1104.1
65°	*8743.6*	*6801.8*	*1525.7*	*1187.3*	*1242.8*	*1326.0*	*1081.9*	*859.9*	*976.4*	*1009.7*	*998.6*
67.5°	5747.7	4321.9	943.2	915.4	1020.8	1148.4	1015.3	771.2	876.6	898.8	865.5
70°	3118.0	2036.1	621.4	599.2	798.9	904.3	859.9	693.5	782.3	804.5	771.2
72.5°	2058.3	1170.6	438.3	438.3	626.9	632.5	704.6	621.4	693.5	715.7	682.4
75°	1547.9	754.5	305.1	338.4	399.5	493.8	504.9	521.5	588.1	615.8	582.5
77.5°	710.1	277.4	183.1	249.7	277.4	377.3	321.8	388.4	438.3	449.4	421.6
80°	410.6	155.3	122.1	160.9	177.5	310.7	188.6	233.0	310.7	327.3	294.0
82.5°	172.0	77.7	83.2	99.9	105.4	172.0	133.2	149.8	205.3	199.7	177.5
85°	49.9	49.9	55.5	61.0	61.0	99.9	94.3	88.8	94.3	94.3	77.7
87.5°	33.3	33.3	33.3	38.8	38.8	44.4	49.9	55.5	55.5	55.5	49.9
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°	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5
2.5°	2812.8	2762.9	2690.8	2679.7	2640.8	2613.1	2640.8	2668.6	2718.5	2724.1	2746.3
5°	2579.8	2463.3	2374.5	2274.7	2224.7	2219.2	2208.1	2241.4	2313.5	2357.9	2391.2
7.5°	2424.5	2213.7	2058.3	1919.6	1869.7	1830.8	1864.1	1858.6	1952.9	1991.7	2025.0
10°	2341.3	2047.2	1814.2	1642.2	1575.6	1536.8	1531.2	1542.3	1597.8	1636.7	1675.5
12.5°	2396.7	1980.6	1636.7	1436.9	1364.8	1320.4	1281.6	1281.6	1292.7	1342.6	1359.3
15°	2579.8	2019.5	1553.4	1337.1	1242.8	1170.6	1120.7	1081.9	1087.4	1093.0	1109.6
17.5°	2846.1	2119.3	1525.7	1276.0	1176.2	1087.4	1037.5	993.1	982.0	982.0	976.4
20°	3101.3	2197.0	1503.5	1226.1	1098.5	1020.8	976.4	937.6	921.0	921.0	921.0
22.5°	3206.7	2263.6	1475.8	1165.1	1020.8	948.7	909.9	882.1	876.6	876.6	871.0
25°	3123.5	2241.4	1442.5	1104.1	948.7	893.2	859.9	832.2	826.7	832.2	826.7
27.5°	2862.8	2163.7	1398.1	1054.1	893.2	843.3	815.6	787.8	782.3	787.8	787.8
30°	2585.4	2030.6	1326.0	1015.3	848.8	793.4	765.6	737.9	737.9	743.4	749.0
32.5°	2363.4	1897.4	1242.8	965.4	798.9	749.0	721.2	693.5	693.5	704.6	704.6
35°	2174.8	1792.0	1159.5	915.4	754.5	699.0	676.9	654.7	649.1	660.2	665.8
37.5°	2025.0	1697.7	1070.8	865.5	710.1	660.2	638.0	610.3	604.7	615.8	626.9
40°	1869.7	1592.3	993.1	804.5	665.8	615.8	593.6	560.3	560.3	571.4	582.5
42.5°	1719.9	1498.0	943.2	749.0	621.4	565.9	543.7	516.0	516.0	527.1	538.2
45°	1597.8	1409.2	915.4	693.5	571.4	521.5	493.8	471.6	477.1	488.2	499.3
47.5°	1481.3	1314.9	921.0	665.8	538.2	471.6	443.8	427.2	438.3	454.9	466.0
50°	1392.5	1248.3	926.5	621.4	493.8	432.7	405.0	393.9	410.6	427.2	438.3
52.5°	1337.1	1181.7	893.2	565.9	460.5	393.9	377.3	377.3	393.9	405.0	416.1
55°	1281.6	1070.8	821.1	504.9	427.2	366.2	355.1	355.1	371.7	382.8	388.4
57.5°	1237.2	954.3	737.9	454.9	388.4	338.4	338.4	338.4	344.0	349.5	360.6
60°	1154.0	832.2	632.5	416.1	349.5	316.2	310.7	310.7	305.1	310.7	327.3
62.5°	1009.7	699.0	538.2	371.7	316.2	288.5	282.9	266.3	249.7	255.2	266.3
65°	*854.4*	*554.8*	*449.4*	*321.8*	*271.9*	*255.2*	*249.7*	*221.9*	*199.7*	*205.3*	*221.9*
67.5°	682.4	416.1	377.3	277.4	233.0	216.4	216.4	199.7	183.1	183.1	194.2
70°	532.6	349.5	282.9	221.9	183.1	183.1	194.2	177.5	155.3	155.3	172.0
72.5°	432.7	282.9	227.5	172.0	144.2	155.3	160.9	144.2	127.6	127.6	138.7
75°	338.4	221.9	177.5	127.6	111.0	116.5	127.6	116.5	99.9	105.4	111.0
77.5°	233.0	149.8	116.5	94.3	83.2	88.8	88.8	83.2	77.7	77.7	83.2
80°	155.3	99.9	77.7	66.6	61.0	61.0	55.5	55.5	61.0	61.0	66.6
82.5°	111.0	72.1	61.0	49.9	38.8	38.8	44.4	44.4	49.9	49.9	55.5
85°	66.6	49.9	44.4	33.3	27.7	33.3	33.3	38.8	44.4	44.4	49.9
87.5°	49.9	38.8	33.3	27.7	22.2	22.2	27.7	27.7	33.3	38.8	38.8
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: P1365309
CATALOG NUMBER: GSS-SB4C-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5	3123.5
2.5°	2801.7	2868.3	2962.6	3045.9	3145.7	3245.6	3339.9	3428.7	3434.2	3439.8
5°	2496.6	2629.8	2785.1	2973.7	3173.5	3367.6	3572.9	3739.4	3778.2	3800.4
7.5°	2158.2	2352.4	2590.9	2857.2	3156.8	3456.4	3744.9	3994.6	4088.9	4111.1
10°	1803.1	2041.7	2330.2	2674.1	3079.1	3478.6	3867.0	4172.1	4283.1	4305.2
12.5°	1486.9	1681.0	2013.9	2430.0	2918.2	3445.3	3911.3	4249.8	4360.7	4388.5
15°	1215.0	1398.1	1708.8	2147.1	2696.3	3328.8	3878.1	4266.4	4377.4	4399.6
17.5°	1004.2	1120.7	1403.6	1880.8	2496.6	3179.0	3833.7	4277.5	4382.9	4399.6
20°	921.0	943.2	1093.0	1559.0	2285.8	3068.0	3805.9	4294.2	4399.6	4416.2
22.5°	882.1	882.1	915.4	1187.3	1991.7	2951.5	3794.8	4344.1	4421.8	4438.4
25°	843.3	843.3	854.4	932.1	1642.2	2807.3	3817.0	4432.9	4482.8	4482.8
27.5°	804.5	804.5	815.6	832.2	1220.6	2568.7	3822.6	4532.7	4554.9	4538.3
30°	765.6	776.7	776.7	787.8	898.8	2269.1	3789.3	4643.7	4643.7	4610.4
32.5°	726.8	732.3	743.4	749.0	782.3	1880.8	3733.8	4782.4	4754.6	4710.3
35°	693.5	699.0	699.0	710.1	743.4	1503.5	3672.8	4971.0	4893.3	4843.4
37.5°	649.1	654.7	660.2	671.3	704.6	1192.8	3584.0	5131.9	5076.4	5009.8
40°	610.3	615.8	621.4	632.5	665.8	1026.4	3473.0	5376.0	5364.9	5287.2
42.5°	565.9	577.0	582.5	588.1	632.5	937.6	3395.4	5769.9	5769.9	5675.6
45°	527.1	538.2	538.2	549.3	610.3	859.9	3567.4	6313.6	6358.0	6269.2
47.5°	493.8	499.3	499.3	504.9	577.0	793.4	4027.8	7145.8	7090.3	7029.3
50°	460.5	471.6	460.5	466.0	549.3	832.2	4787.9	8211.0	8355.3	8249.9
52.5°	438.3	443.8	421.6	421.6	510.4	882.1	5409.3	9570.3	10053.0	9925.4
55°	410.6	416.1	388.4	388.4	449.4	765.6	5448.1	11118.2	12177.9	12261.1
57.5°	382.8	382.8	360.6	355.1	388.4	621.4	4832.3	12316.6	14718.8	14907.5
60°	349.5	344.0	332.9	321.8	355.1	571.4	3683.9	12155.7	15978.2	16632.9
62.5°	299.6	310.7	305.1	282.9	321.8	532.6	2402.3	10519.0	14557.9	15134.9
65°	*249.7*	*266.3*	*266.3*	*249.7*	*355.1*	*466.0*	*1264.9*	*8421.9*	*12150.1*	*12843.6*
67.5°	221.9	233.0	227.5	216.4	316.2	294.0	610.3	6457.9	10402.5	11068.3
70°	194.2	205.3	188.6	177.5	255.2	210.8	360.6	4321.9	8588.3	9237.4
72.5°	160.9	172.0	155.3	138.7	188.6	160.9	238.6	2812.8	7151.4	7872.6
75°	133.2	138.7	127.6	111.0	138.7	127.6	166.4	1836.4	5980.7	6513.4
77.5°	94.3	105.4	99.9	83.2	99.9	88.8	116.5	1048.6	4172.1	4571.6
80°	72.1	72.1	72.1	66.6	61.0	61.0	77.7	471.6	2025.0	2252.5
82.5°	61.0	61.0	55.5	49.9	44.4	38.8	44.4	138.7	954.3	1009.7
85°	55.5	44.4	38.8	33.3	27.7	16.6	16.6	38.8	194.2	160.9
87.5°	33.3	27.7	22.2	11.1	5.5	5.5	0.0	5.5	5.5	5.5
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

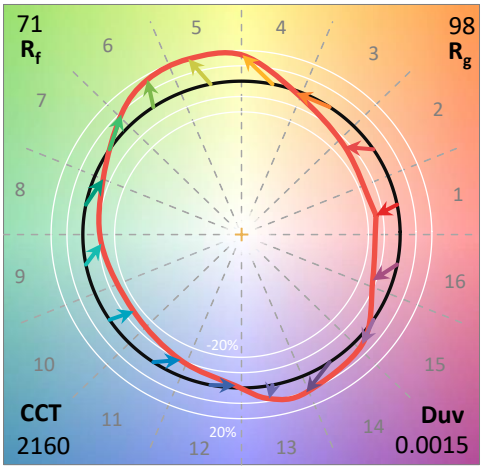
Test Information

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

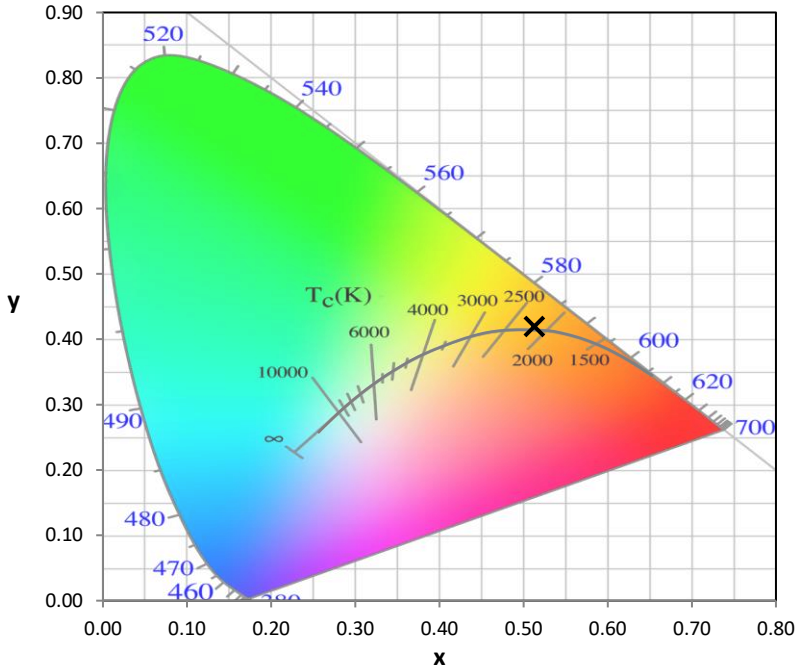
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

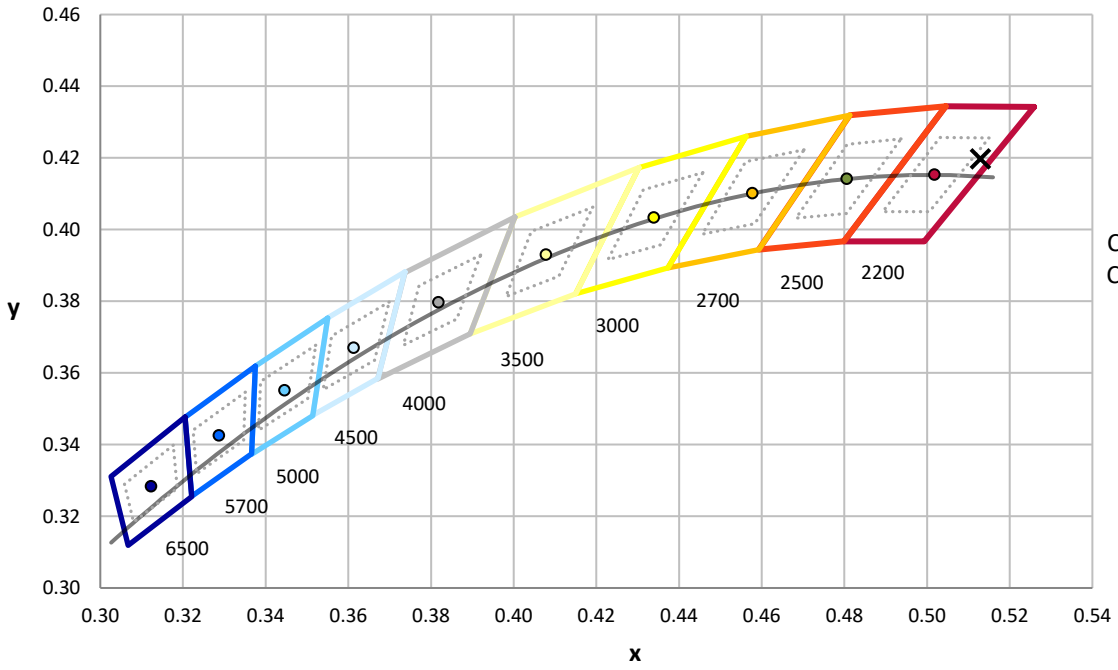
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

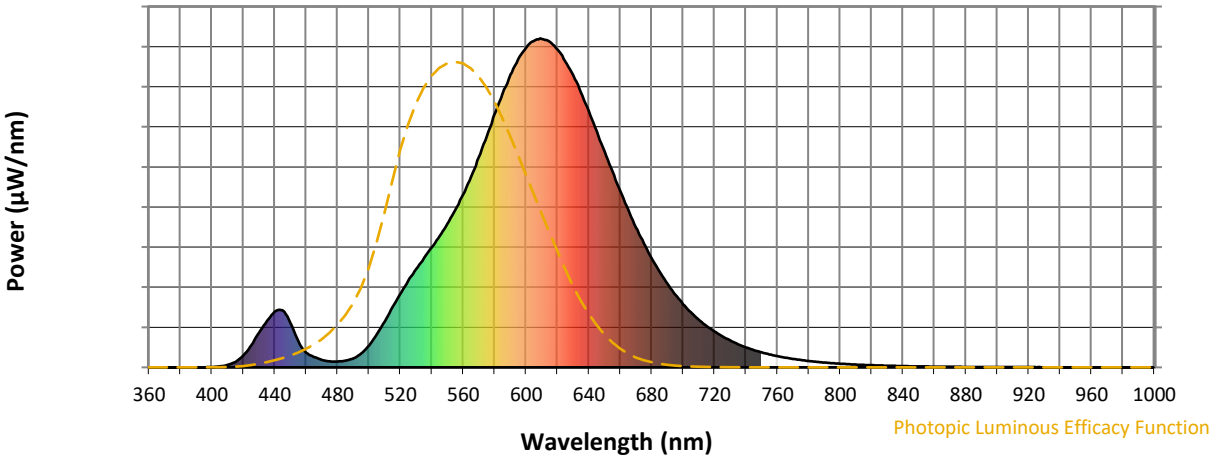


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

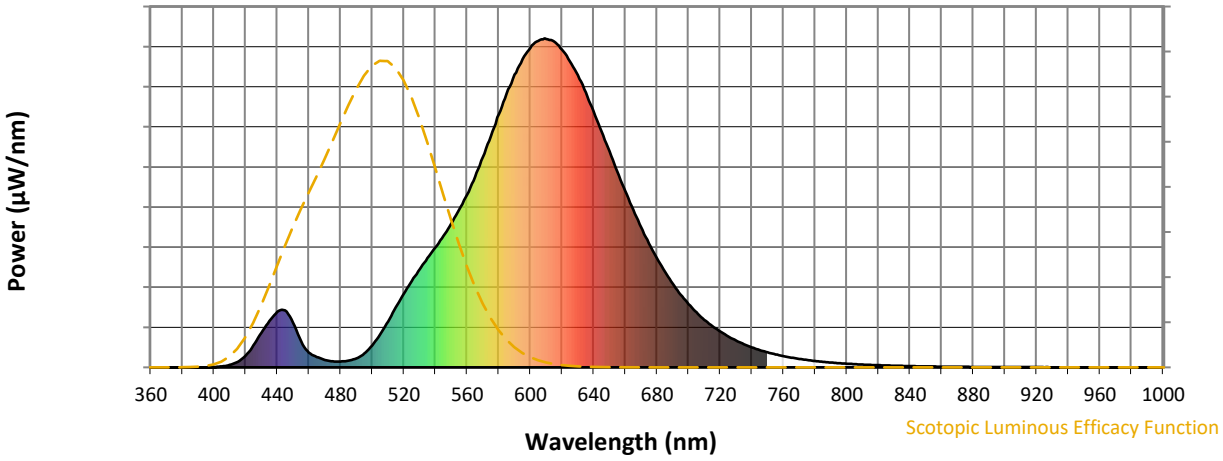


Photopic Lumens: NR

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

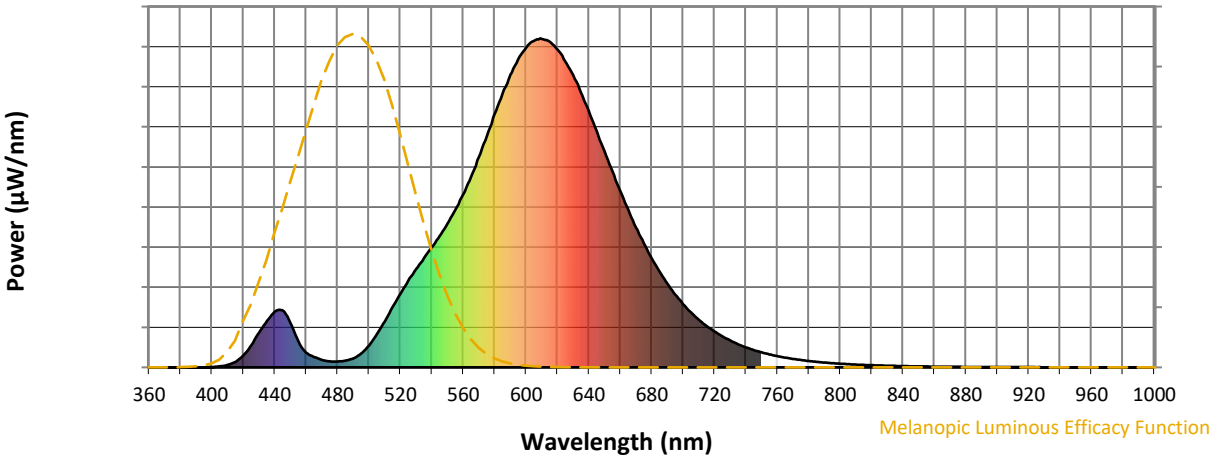


Scotopic Lumens: NR **S/P: 0.8**

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			

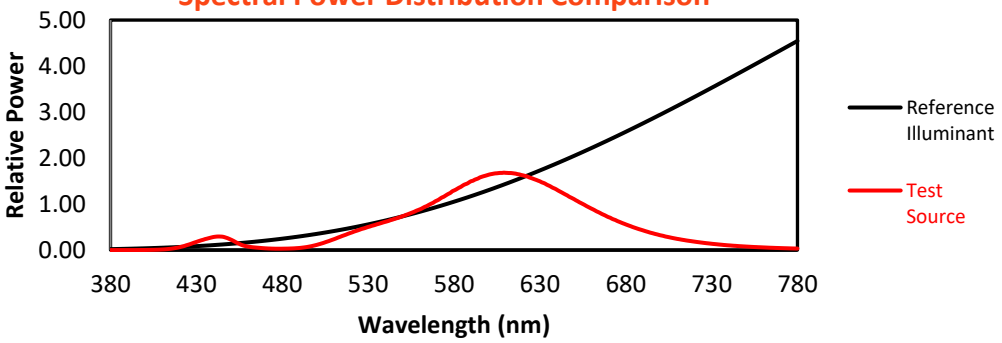
REPORT NUMBER: SP1-2407-184-2

TM-30-18

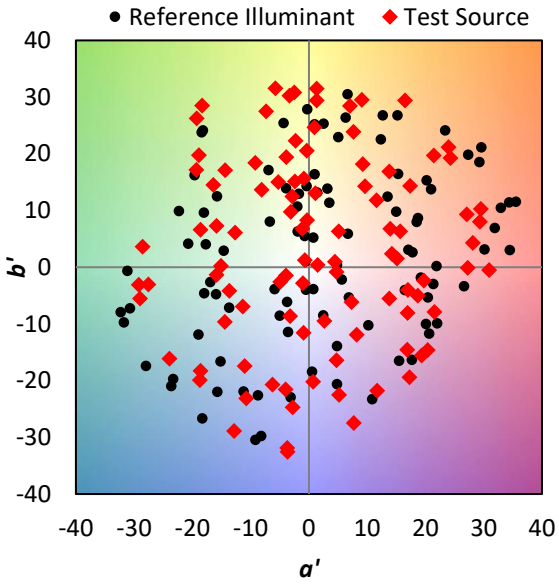
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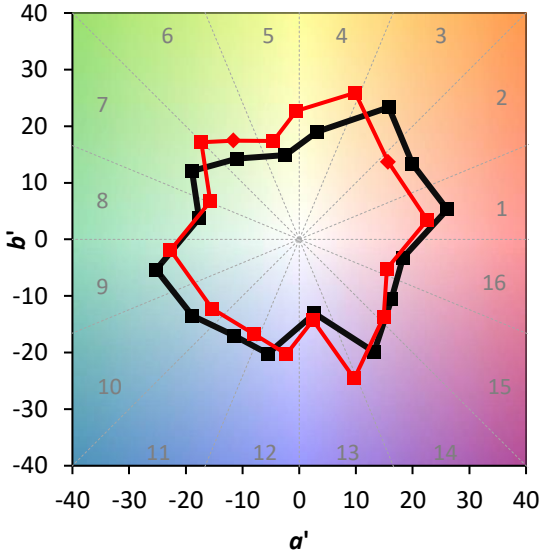
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

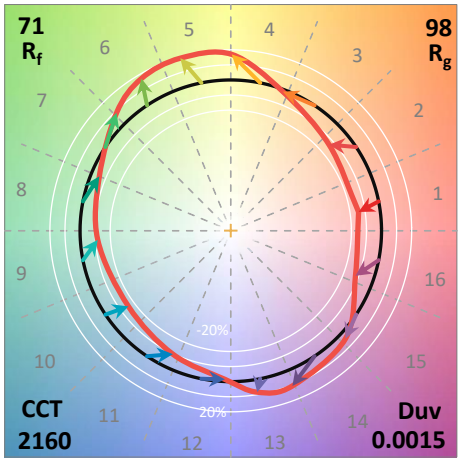
Spectral Power Distribution Comparison

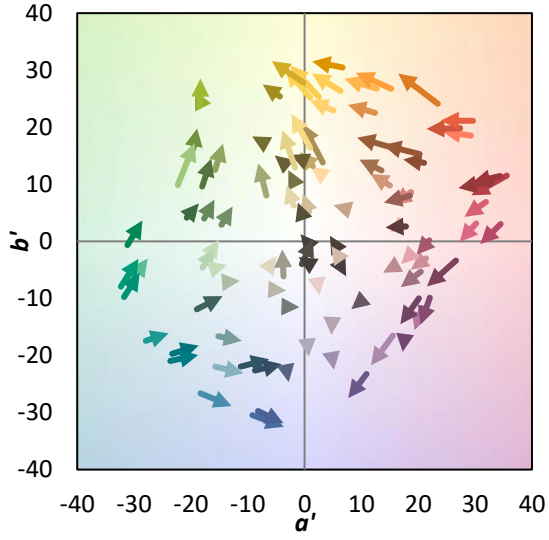


Color Vector Graphics







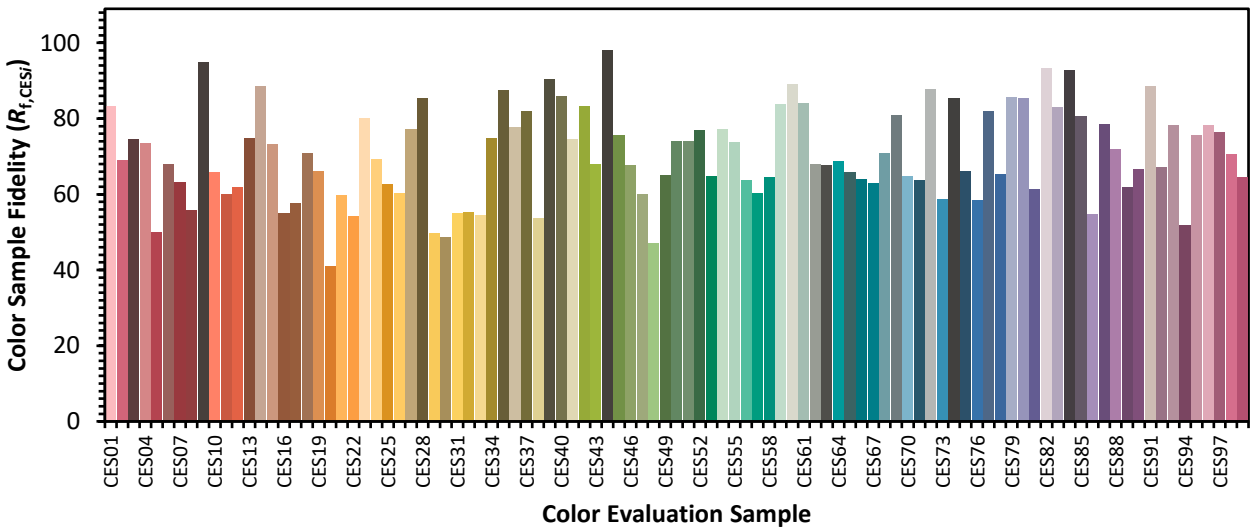


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

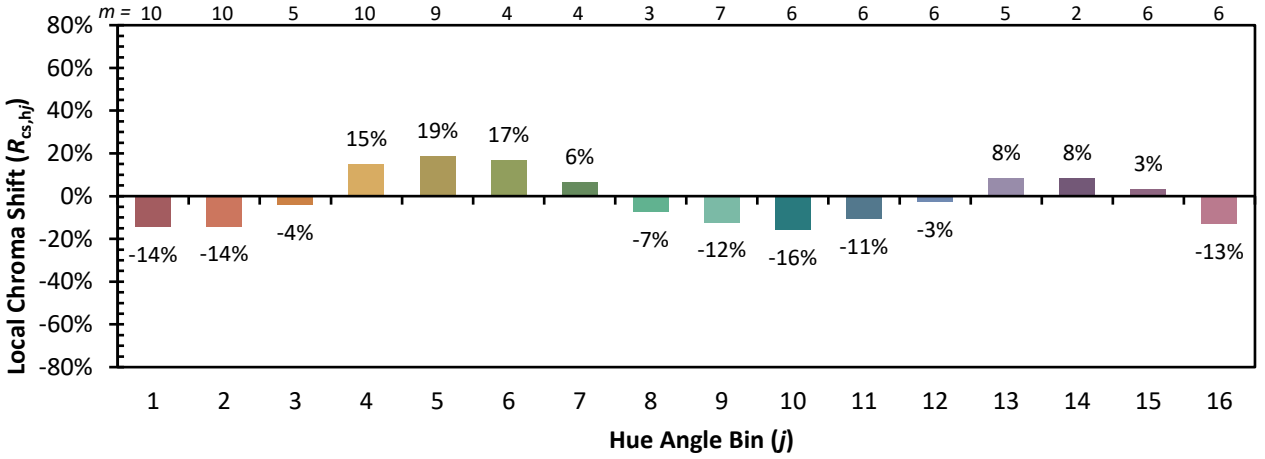
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 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	

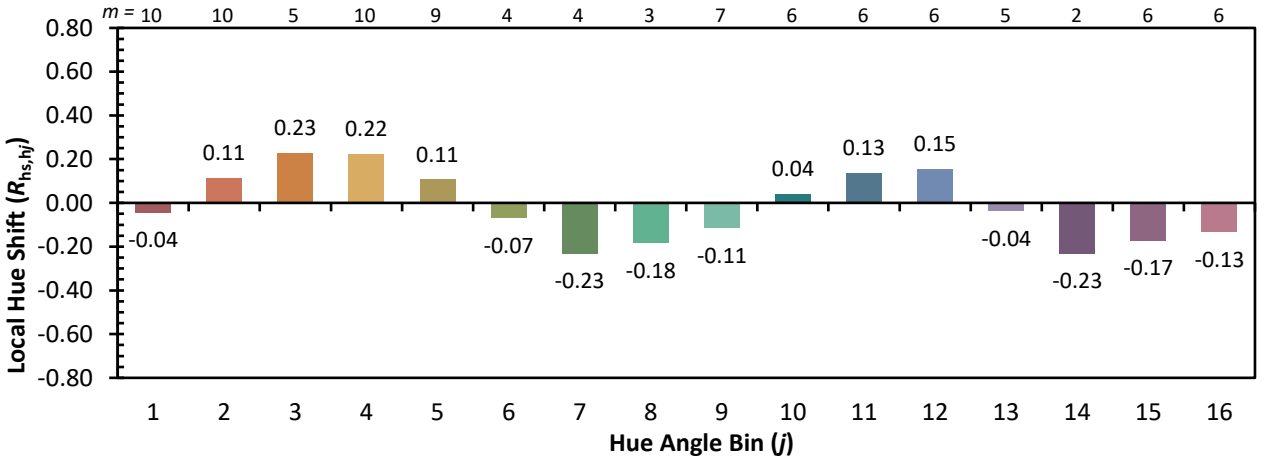


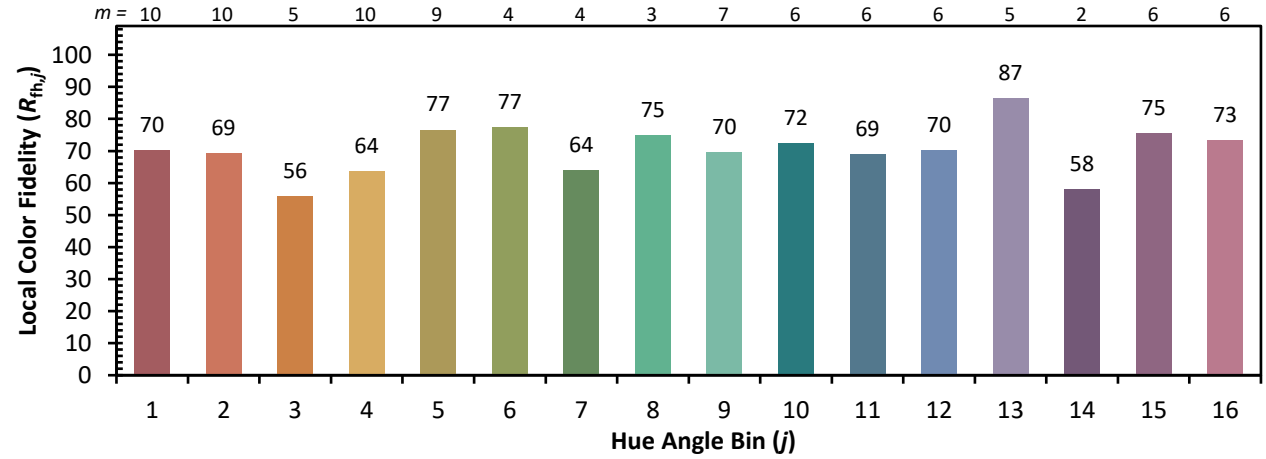
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



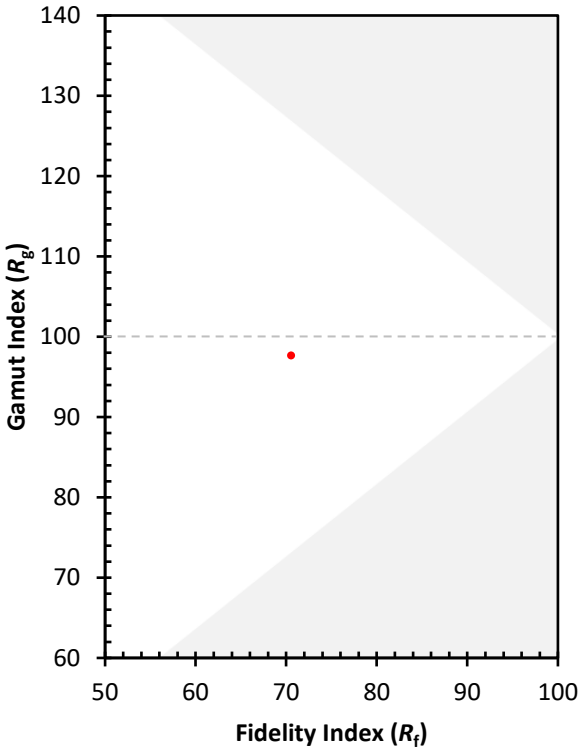


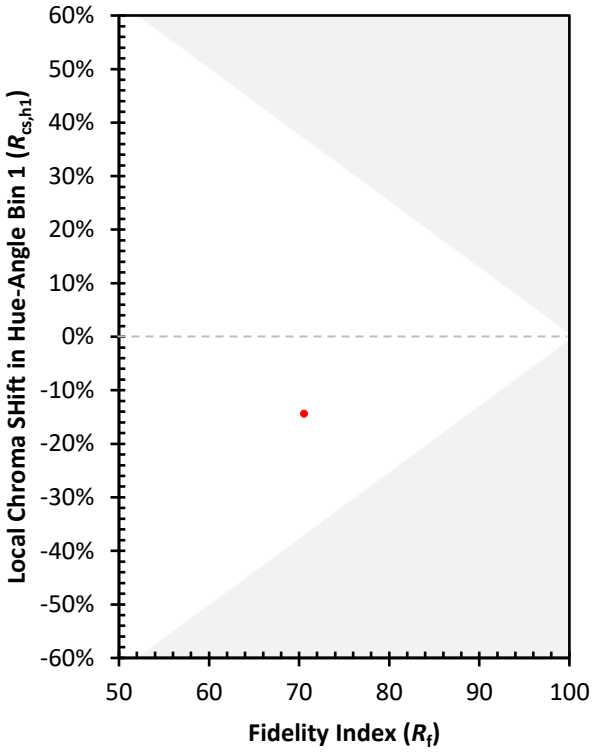


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)