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: P1365281

Luminaire Tested: **GSS-SB3C-740-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365281
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16651.8 lumens
Efficiency:	N/A
Efficacy:	111.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

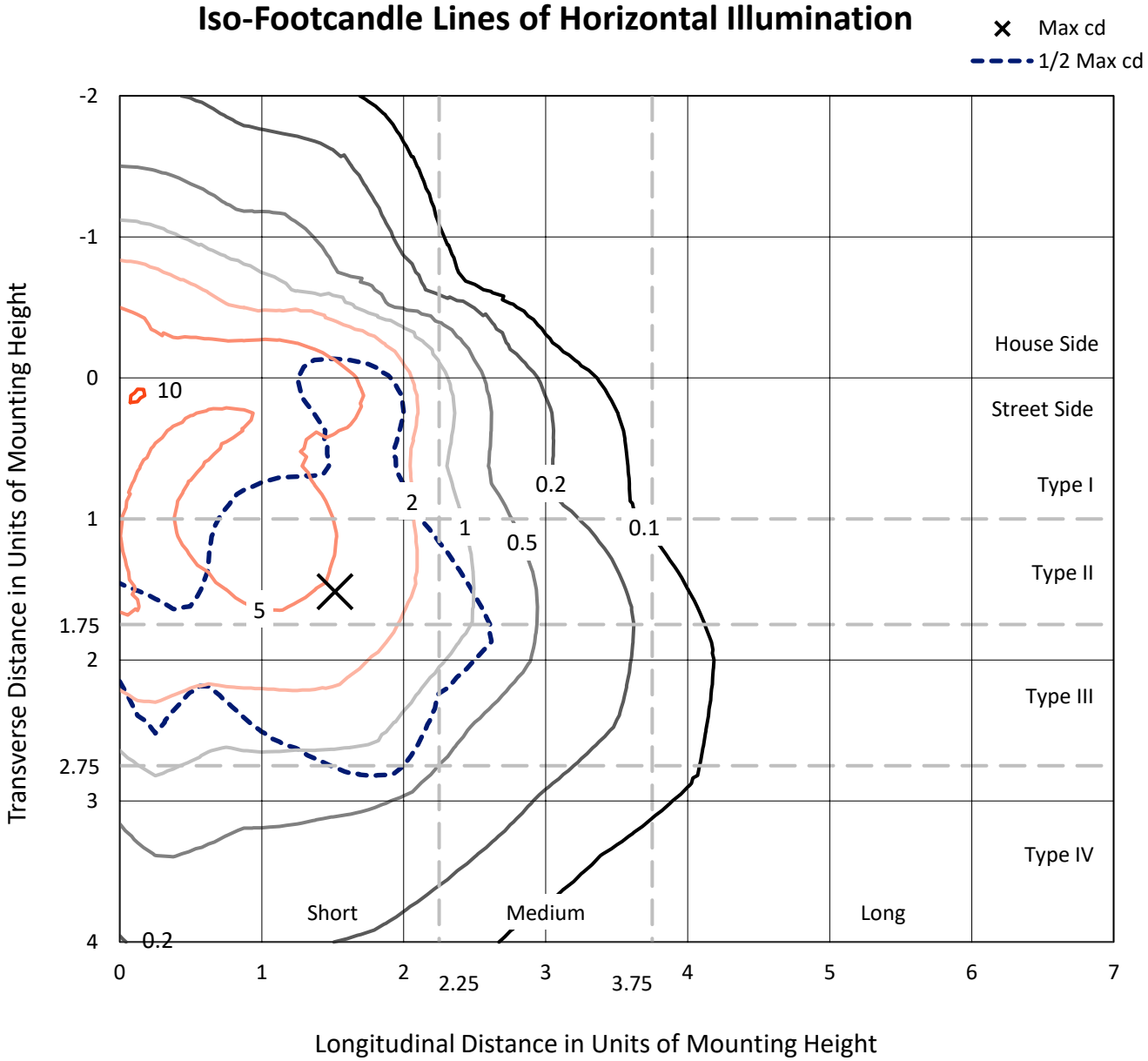
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1365281
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Iso-Footcandle Lines of Horizontal Illumination



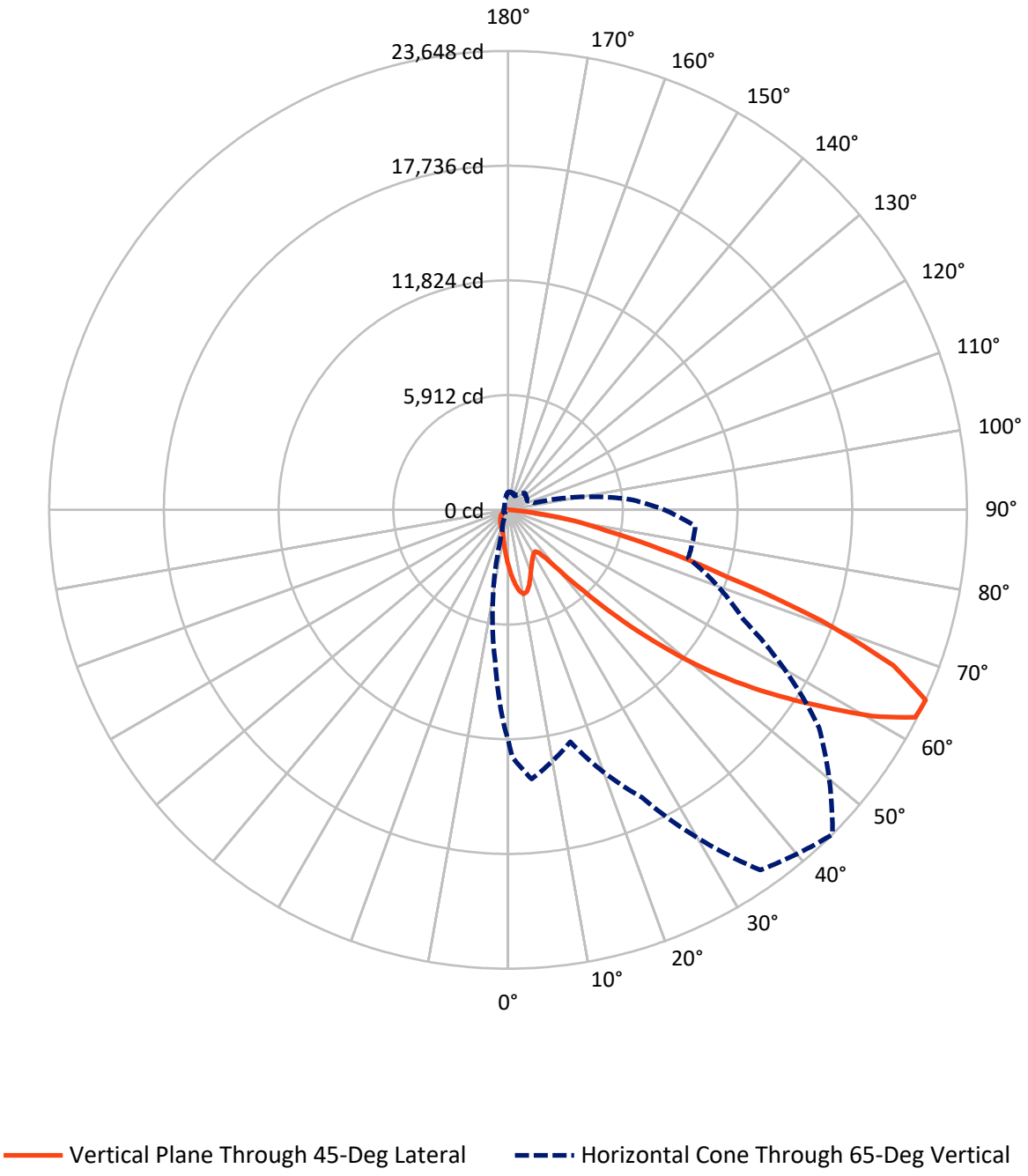
Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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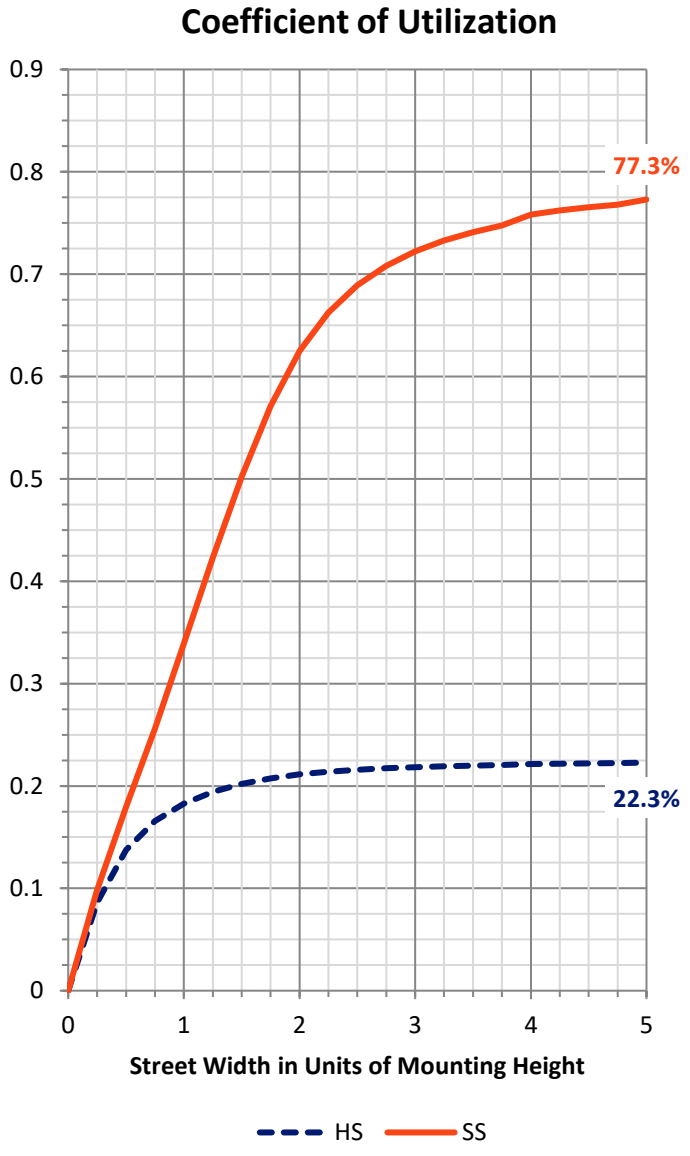
REPORT NUMBER: P1365281
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3745.8	0.0	3745.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	12906.1	0.0	12906.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	16651.8	0.0	16651.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	1.7
10°-20°	764.7	4.6
20°-30°	1095.2	6.6
30°-40°	1373.8	8.3
40°-50°	2256.8	13.6
50°-60°	4074.6	24.5
60°-70°	4523.5	27.2
70°-80°	2044.7	12.3
80°-90°	242.0	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°	16651.8	100.0
0°-180°	16651.8	100.0



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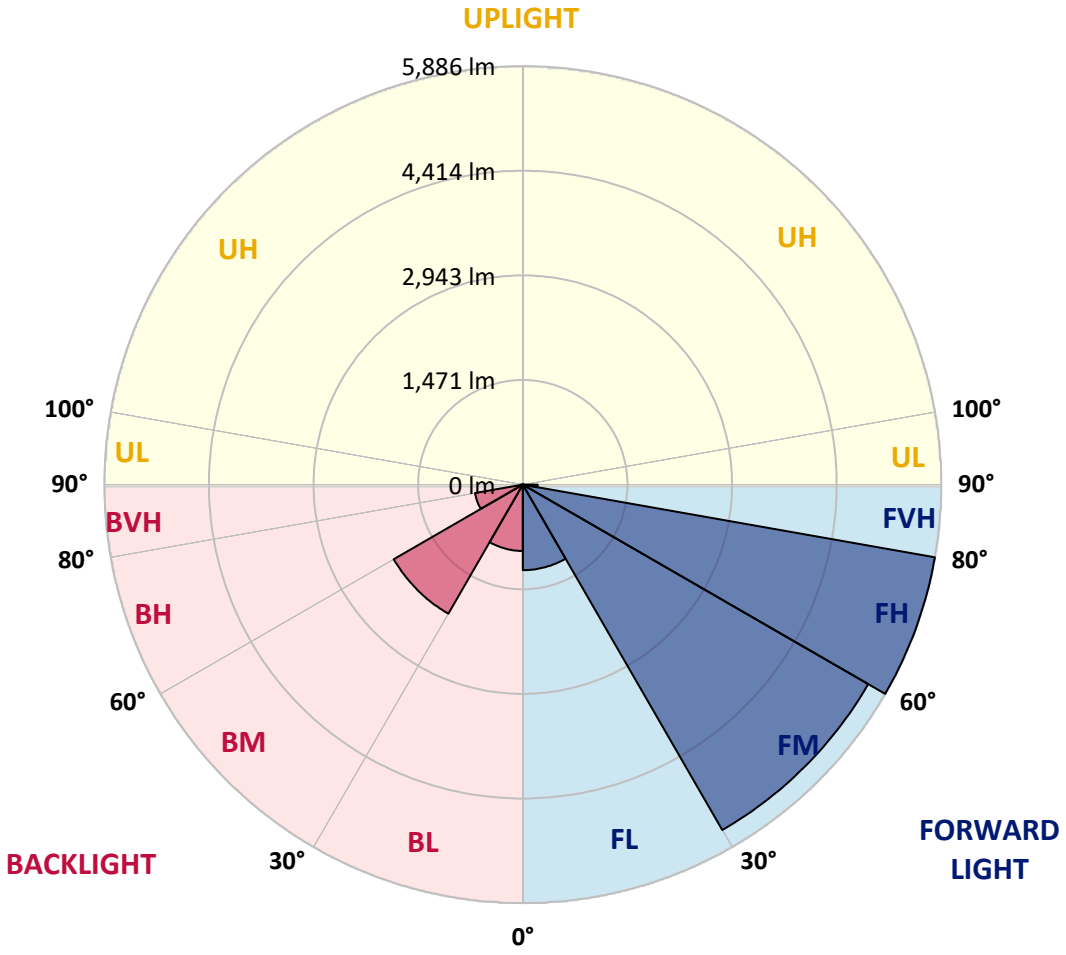
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1202.9	7.2			
FM	(30°-60°)	5609.4	33.7			
FH	(60°-80°)	5885.9	35.3			G3/7500
FVH	(80°-90°)	207.8	1.2			G2/225
BL	(0°-30°)	933.4	5.6	B2/1000		
BM	(30°-60°)	2095.8	12.6	B2/2500		
BH	(60°-80°)	682.3	4.1	B2/1000		G2/1000
BVH	(80°-90°)	34.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	*2876.8*	2876.8	2876.8	2876.8	2876.8
2.5°	3168.1	3208.9	3203.8	3260.0	3311.1	3346.9	*3377.6*	3367.3	3341.8	3290.7	3254.9
5°	3500.2	3530.9	3582.0	3689.3	3771.0	3842.6	*3832.3*	3842.6	3765.9	3689.3	3597.3
7.5°	3786.4	3822.1	3893.7	4047.0	4149.1	4236.0	*4225.8*	4195.1	4108.3	3980.5	3842.6
10°	3965.2	3990.7	4067.4	4241.1	4358.6	4430.2	*4404.6*	4353.5	4241.1	4113.4	3949.9
12.5°	4041.8	4072.5	4138.9	4276.9	4353.5	4338.2	*4328.0*	4317.8	4261.6	4164.5	4016.3
15°	4052.1	4072.5	4123.6	4184.9	4154.3	4067.4	*4047.0*	4123.6	4195.1	4174.7	4052.1
17.5°	4052.1	4082.7	4092.9	4031.6	3873.2	3714.8	*3694.4*	3822.1	4021.4	4179.8	4108.3
20°	4067.4	4082.7	4062.3	3863.0	3566.6	3392.9	*3357.1*	3515.5	3811.9	4123.6	4164.5
22.5°	4087.8	4103.2	4016.3	3663.7	3316.3	3132.3	*3111.9*	3229.4	3576.9	4041.8	4225.8
25°	4128.7	4118.5	3985.6	3490.0	3096.5	2922.8	*2892.1*	3045.4	3382.7	3960.1	4328.0
27.5°	4179.8	4133.8	3944.8	3346.9	2938.1	2754.2	*2733.7*	2881.9	3219.2	3857.9	4414.9
30°	4246.2	4200.2	3939.6	3234.5	2820.6	2636.6	*2611.1*	2774.6	3106.7	3786.4	4537.5
32.5°	4338.2	4271.8	3944.8	3147.6	2754.2	2580.4	*2565.1*	2738.8	3060.8	3745.5	4665.2
35°	4460.8	4363.8	3965.2	3117.0	2774.6	2657.1	*2692.9*	2825.7	3106.7	3776.1	4874.7
37.5°	4614.1	4522.2	4067.4	3183.4	2999.4	3081.2	*3173.2*	3224.3	3326.5	3919.2	5212.0
40°	4869.6	4741.9	4220.7	3398.0	3602.4	3985.6	*4164.5*	4144.0	3909.0	4246.2	5687.2
42.5°	5227.3	5109.8	4532.4	3944.8	4609.0	5421.5	*5723.0*	5549.2	4839.0	4767.4	6469.0
45°	5774.1	5579.9	4951.4	4757.2	5825.2	7158.8	*7838.4*	7240.6	6019.3	5590.1	7582.9
47.5°	6474.1	6279.9	5605.4	5569.7	7184.4	9304.9	*10112.3*	8937.0	7189.5	6668.3	8916.6
50°	7598.3	7383.6	6566.1	6397.5	8686.6	11445.9	*12524.1*	10628.4	8380.0	7812.9	10561.9
52.5°	9141.4	8998.3	8088.8	7250.8	10030.5	13806.6	*14736.6*	12396.3	9299.8	9121.0	12355.5
55°	11292.6	11154.7	10071.4	8201.2	11302.8	16172.5	*16923.6*	14005.9	10102.0	10653.9	14230.8
57.5°	13730.0	13959.9	12784.7	9468.4	12641.6	18078.4	*19125.9*	15467.3	11185.3	12702.9	16315.5
60°	15319.1	16044.7	15896.5	11681.0	14721.3	20449.4	*21588.8*	17424.4	12769.4	14210.3	16269.6
62.5°	13939.5	14665.1	15799.5	14246.1	16724.3	22595.5	*23556.1*	19483.6	14343.2	13009.5	13663.6
65°	*11829.2*	*12733.6*	*13929.3*	*12375.9*	*16371.8*	*22661.9*	*23648.1*	*19560.3*	*13382.5*	*9616.6*	*9688.2*
67.5°	10194.0	10996.3	12467.9	10531.3	14511.8	20638.4	*21415.1*	17449.9	11062.7	6377.0	6320.8
70°	8507.8	9243.6	11103.6	9376.5	12713.1	17787.2	*17117.8*	14670.2	9350.9	4236.0	3510.4
72.5°	7250.8	7930.4	9867.0	8426.0	10086.7	14414.7	*11798.5*	12171.5	7608.5	2692.9	2391.4
75°	5998.9	6622.3	8390.3	7628.9	8344.3	8993.2	*8155.2*	8645.8	6269.7	2284.1	1844.6
77.5°	4210.5	4598.8	5886.5	6070.4	6494.5	5324.4	*5171.1*	6055.1	4460.8	1134.4	776.7
80°	2074.6	2314.7	3071.0	3612.6	3071.0	3019.9	*3444.0*	4031.6	2314.7	694.9	429.2
82.5°	930.0	1103.7	1415.4	2187.0	1108.8	1205.9	*1522.7*	2146.1	1052.6	413.9	184.0
85°	148.2	163.5	275.9	367.9	301.5	465.0	*444.6*	419.0	224.8	112.4	51.1
87.5°	5.1	5.1	5.1	10.2	15.3	20.4	*25.5*	25.5	25.5	25.5	25.5
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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CATALOG NUMBER: GSS-SB3C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2.5°	3244.7	3229.4	3152.7	3076.1	3009.7	2943.2	2876.8	2784.8	2713.3	2652.0	2626.4
5°	3551.3	3469.5	3352.0	3224.3	3111.9	2984.1	2861.5	2723.5	2611.1	2493.6	2432.3
7.5°	3760.8	3679.0	3484.9	3290.7	3152.7	3014.8	2887.0	2733.7	2585.6	2416.9	2325.0
10°	3857.9	3765.9	3556.4	3331.6	3163.0	3025.0	2907.5	2779.7	2631.5	2422.0	2299.4
12.5°	3924.3	3811.9	3571.7	3341.8	3173.2	3030.1	2917.7	2825.7	2738.8	2534.5	2391.4
15°	3965.2	3863.0	3612.6	3346.9	3157.8	2989.2	2881.9	2851.3	2866.6	2769.5	2595.8
17.5°	4026.5	3929.4	3663.7	3377.6	3132.3	2902.4	2784.8	2851.3	2989.2	3019.9	2881.9
20°	4108.3	4006.1	3730.1	3403.1	3055.7	2738.8	2626.4	2795.1	3025.0	3183.4	3106.7
22.5°	4200.2	4118.5	3806.8	3428.7	2943.2	2524.2	2473.1	2677.5	2922.8	3127.2	3132.3
25°	4312.7	4236.0	3914.1	3454.2	2789.9	2340.3	2350.5	2524.2	2718.4	2927.9	2963.7
27.5°	4466.0	4394.4	4047.0	3484.9	2631.5	2192.1	2243.2	2370.9	2503.8	2631.5	2682.6
30°	4634.6	4578.4	4205.4	3546.2	2483.4	2105.2	2135.9	2222.8	2330.1	2406.7	2432.3
32.5°	4864.5	4772.5	4353.5	3541.1	2370.9	2064.4	2033.7	2059.2	2146.1	2222.8	2227.9
35°	5150.7	5079.1	4506.8	3449.1	2268.7	2043.9	1936.6	1921.3	1972.4	2049.0	2043.9
37.5°	5569.7	5508.3	4757.2	3306.0	2141.0	1992.8	1834.4	1783.3	1819.1	1870.2	1885.5
40°	6198.2	6039.8	5043.4	3147.6	2013.3	1900.8	1711.8	1640.2	1665.8	1722.0	1732.2
42.5°	7051.5	6750.0	5426.6	2933.0	1890.6	1762.9	1589.1	1512.5	1527.8	1578.9	1589.1
45°	8145.0	7690.2	5952.9	2708.2	1793.5	1619.8	1461.4	1379.6	1395.0	1451.2	1476.7
47.5°	9422.4	8799.1	6504.8	2468.0	1737.3	1507.4	1333.7	1272.3	1308.1	1364.3	1374.5
50°	10929.8	10301.3	6857.3	2273.9	1701.6	1420.5	1216.1	1190.6	1236.6	1282.6	1292.8
52.5°	12575.2	11681.0	6632.5	2115.5	1670.9	1389.9	1134.4	1144.6	1180.4	1226.3	1241.7
55°	14174.5	12186.8	5886.5	1911.1	1635.1	1410.3	1073.1	1098.6	1144.6	1180.4	1190.6
57.5°	15216.9	11762.7	4741.9	1696.4	1594.3	1425.6	1042.4	1062.8	1113.9	1154.8	1159.9
60°	14307.4	10832.7	3551.3	1512.5	1507.4	1400.1	1032.2	1001.5	1073.1	1108.8	1113.9
62.5°	11721.8	8860.4	2268.7	1338.8	1343.9	1343.9	1027.1	899.3	991.3	1022.0	1016.8
65°	*8053.0*	*6264.6*	*1405.2*	*1093.5*	*1144.6*	*1221.2*	*996.4*	*792.0*	*899.3*	*930.0*	*919.8*
67.5°	5293.7	3980.5	868.7	843.1	940.2	1057.7	935.1	710.3	807.3	827.8	797.1
70°	2871.7	1875.3	572.3	551.9	735.8	832.9	792.0	638.7	720.5	740.9	710.3
72.5°	1895.7	1078.2	403.7	403.7	577.4	582.5	648.9	572.3	638.7	659.2	628.5
75°	1425.6	694.9	281.0	311.7	367.9	454.8	465.0	480.3	541.6	567.2	536.5
77.5°	654.1	255.5	168.6	229.9	255.5	347.5	296.4	357.7	403.7	413.9	388.3
80°	378.1	143.1	112.4	148.2	163.5	286.1	173.7	214.6	286.1	301.5	270.8
82.5°	158.4	71.5	76.6	92.0	97.1	158.4	122.6	138.0	189.1	184.0	163.5
85°	46.0	46.0	51.1	56.2	56.2	92.0	86.9	81.8	86.9	86.9	71.5
87.5°	30.7	30.7	30.7	35.8	35.8	40.9	46.0	51.1	51.1	51.1	46.0
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°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2.5°	2590.7	2544.7	2478.2	2468.0	2432.3	2406.7	2432.3	2457.8	2503.8	2508.9	2529.3
5°	2376.1	2268.7	2187.0	2095.0	2049.0	2043.9	2033.7	2064.4	2130.8	2171.7	2202.3
7.5°	2233.0	2038.8	1895.7	1768.0	1722.0	1686.2	1716.9	1711.8	1798.6	1834.4	1865.1
10°	2156.3	1885.5	1670.9	1512.5	1451.2	1415.4	1410.3	1420.5	1471.6	1507.4	1543.2
12.5°	2207.4	1824.2	1507.4	1323.4	1257.0	1216.1	1180.4	1180.4	1190.6	1236.6	1251.9
15°	2376.1	1860.0	1430.7	1231.5	1144.6	1078.2	1032.2	996.4	1001.5	1006.6	1022.0
17.5°	2621.3	1951.9	1405.2	1175.3	1083.3	1001.5	955.5	914.7	904.4	904.4	899.3
20°	2856.4	2023.5	1384.8	1129.3	1011.7	940.2	899.3	863.6	848.2	848.2	848.2
22.5°	2953.5	2084.8	1359.2	1073.1	940.2	873.8	838.0	812.5	807.3	807.3	802.2
25°	2876.8	2064.4	1328.5	1016.8	873.8	822.7	792.0	766.5	761.4	766.5	761.4
27.5°	2636.6	1992.8	1287.7	970.9	822.7	776.7	751.1	725.6	720.5	725.6	725.6
30°	2381.2	1870.2	1221.2	935.1	781.8	730.7	705.2	679.6	679.6	684.7	689.8
32.5°	2176.8	1747.5	1144.6	889.1	735.8	689.8	664.3	638.7	638.7	648.9	648.9
35°	2003.0	1650.5	1067.9	843.1	694.9	643.8	623.4	603.0	597.8	608.1	613.2
37.5°	1865.1	1563.6	986.2	797.1	654.1	608.1	587.6	562.1	557.0	567.2	577.4
40°	1722.0	1466.5	914.7	740.9	613.2	567.2	546.7	516.1	516.1	526.3	536.5
42.5°	1584.0	1379.6	868.7	689.8	572.3	521.2	500.8	475.2	475.2	485.4	495.6
45°	1471.6	1297.9	843.1	638.7	526.3	480.3	454.8	434.3	439.4	449.7	459.9
47.5°	1364.3	1211.0	848.2	613.2	495.6	434.3	408.8	393.5	403.7	419.0	429.2
50°	1282.6	1149.7	853.3	572.3	454.8	398.6	373.0	362.8	378.1	393.5	403.7
52.5°	1231.5	1088.4	822.7	521.2	424.1	362.8	347.5	347.5	362.8	373.0	383.2
55°	1180.4	986.2	756.2	465.0	393.5	337.2	327.0	327.0	342.4	352.6	357.7
57.5°	1139.5	878.9	679.6	419.0	357.7	311.7	311.7	311.7	316.8	321.9	332.1
60°	1062.8	766.5	582.5	383.2	321.9	291.3	286.1	286.1	281.0	286.1	301.5
62.5°	930.0	643.8	495.6	342.4	291.3	265.7	260.6	245.3	229.9	235.1	245.3
65°	*786.9*	*511.0*	*413.9*	*296.4*	*250.4*	*235.1*	*229.9*	*204.4*	*184.0*	*189.1*	*204.4*
67.5°	628.5	383.2	347.5	255.5	214.6	199.3	199.3	184.0	168.6	168.6	178.8
70°	490.5	321.9	260.6	204.4	168.6	168.6	178.8	163.5	143.1	143.1	158.4
72.5°	398.6	260.6	209.5	158.4	132.9	143.1	148.2	132.9	117.5	117.5	127.7
75°	311.7	204.4	163.5	117.5	102.2	107.3	117.5	107.3	92.0	97.1	102.2
77.5°	214.6	138.0	107.3	86.9	76.6	81.8	81.8	76.6	71.5	71.5	76.6
80°	143.1	92.0	71.5	61.3	56.2	56.2	51.1	51.1	56.2	56.2	61.3
82.5°	102.2	66.4	56.2	46.0	35.8	35.8	40.9	40.9	46.0	46.0	51.1
85°	61.3	46.0	40.9	30.7	25.5	30.7	30.7	35.8	40.9	40.9	46.0
87.5°	46.0	35.8	30.7	25.5	20.4	20.4	25.5	25.5	30.7	35.8	35.8
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: P1365281
CATALOG NUMBER: GSS-SB3C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2.5°	2580.4	2641.8	2728.6	2805.3	2897.2	2989.2	3076.1	3157.8	3163.0	3168.1
5°	2299.4	2422.0	2565.1	2738.8	2922.8	3101.6	3290.7	3444.0	3479.8	3500.2
7.5°	1987.7	2166.5	2386.3	2631.5	2907.5	3183.4	3449.1	3679.0	3765.9	3786.4
10°	1660.7	1880.4	2146.1	2462.9	2835.9	3203.8	3561.5	3842.6	3944.8	3965.2
12.5°	1369.4	1548.3	1854.9	2238.1	2687.7	3173.2	3602.4	3914.1	4016.3	4041.8
15°	1119.0	1287.7	1573.8	1977.5	2483.4	3065.9	3571.7	3929.4	4031.6	4052.1
17.5°	924.9	1032.2	1292.8	1732.2	2299.4	2927.9	3530.9	3939.6	4036.7	4052.1
20°	848.2	868.7	1006.6	1435.8	2105.2	2825.7	3505.3	3955.0	4052.1	4067.4
22.5°	812.5	812.5	843.1	1093.5	1834.4	2718.4	3495.1	4001.0	4072.5	4087.8
25°	776.7	776.7	786.9	858.4	1512.5	2585.6	3515.5	4082.7	4128.7	4128.7
27.5°	740.9	740.9	751.1	766.5	1124.2	2365.8	3520.6	4174.7	4195.1	4179.8
30°	705.2	715.4	715.4	725.6	827.8	2089.9	3490.0	4276.9	4276.9	4246.2
32.5°	669.4	674.5	684.7	689.8	720.5	1732.2	3438.9	4404.6	4379.1	4338.2
35°	638.7	643.8	643.8	654.1	684.7	1384.8	3382.7	4578.4	4506.8	4460.8
37.5°	597.8	603.0	608.1	618.3	648.9	1098.6	3300.9	4726.6	4675.5	4614.1
40°	562.1	567.2	572.3	582.5	613.2	945.3	3198.7	4951.4	4941.2	4869.6
42.5°	521.2	531.4	536.5	541.6	582.5	863.6	3127.2	5314.2	5314.2	5227.3
45°	485.4	495.6	495.6	505.9	562.1	792.0	3285.6	5814.9	5855.8	5774.1
47.5°	454.8	459.9	459.9	465.0	531.4	730.7	3709.7	6581.4	6530.3	6474.1
50°	424.1	434.3	424.1	429.2	505.9	766.5	4409.7	7562.5	7695.3	7598.3
52.5°	403.7	408.8	388.3	388.3	470.1	812.5	4982.0	8814.4	9258.9	9141.4
55°	378.1	383.2	357.7	357.7	413.9	705.2	5017.8	10240.0	11216.0	11292.6
57.5°	352.6	352.6	332.1	327.0	357.7	572.3	4450.6	11343.7	13556.3	13730.0
60°	321.9	316.8	306.6	296.4	327.0	526.3	3392.9	11195.5	14716.2	15319.1
62.5°	275.9	286.1	281.0	260.6	296.4	490.5	2212.5	9688.2	13408.1	13939.5
65°	*229.9*	*245.3*	*245.3*	*229.9*	*327.0*	*429.2*	*1165.0*	*7756.7*	*11190.4*	*11829.2*
67.5°	204.4	214.6	209.5	199.3	291.3	270.8	562.1	5947.8	9580.8	10194.0
70°	178.8	189.1	173.7	163.5	235.1	194.2	332.1	3980.5	7909.9	8507.8
72.5°	148.2	158.4	143.1	127.7	173.7	148.2	219.7	2590.7	6586.5	7250.8
75°	122.6	127.7	117.5	102.2	127.7	117.5	153.3	1691.3	5508.3	5998.9
77.5°	86.9	97.1	92.0	76.6	92.0	81.8	107.3	965.7	3842.6	4210.5
80°	66.4	66.4	66.4	61.3	56.2	56.2	71.5	434.3	1865.1	2074.6
82.5°	56.2	56.2	51.1	46.0	40.9	35.8	40.9	127.7	878.9	930.0
85°	51.1	40.9	35.8	30.7	25.5	15.3	15.3	35.8	178.8	148.2
87.5°	30.7	25.5	20.4	10.2	5.1	5.1	0.0	5.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

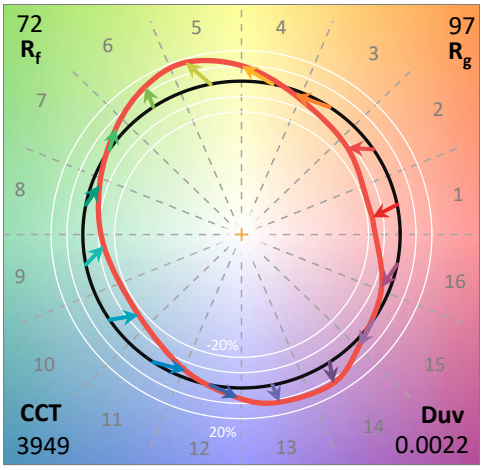
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

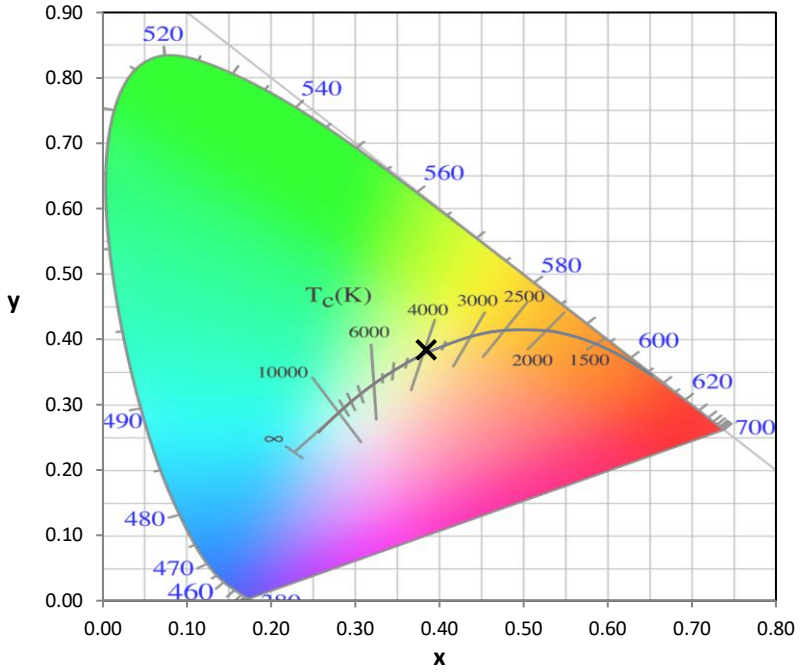
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

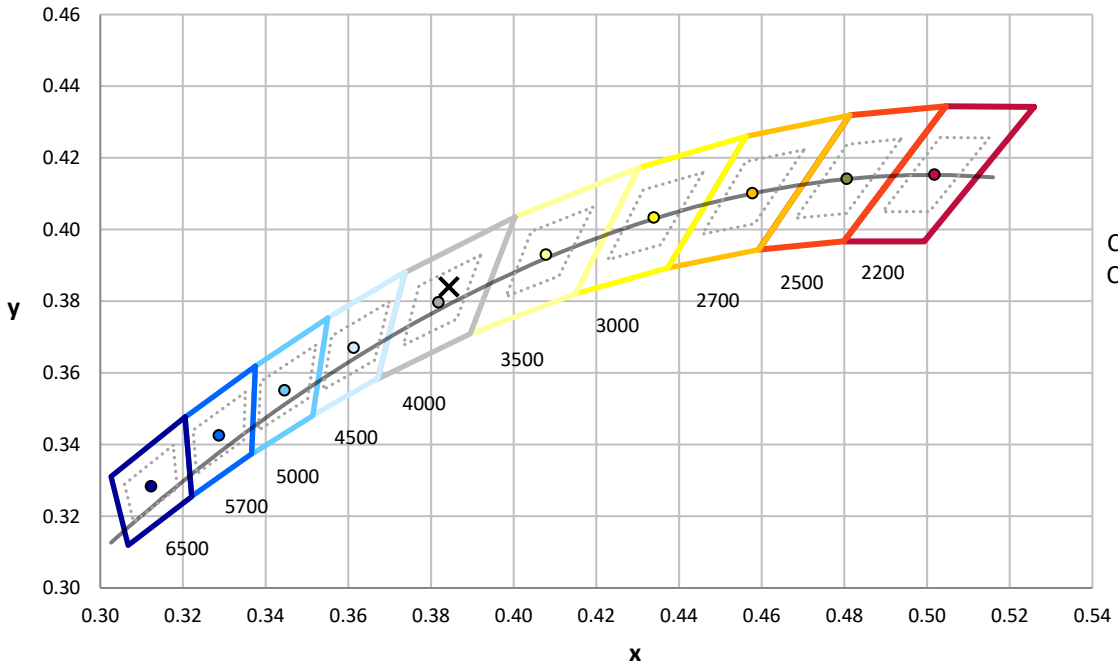
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

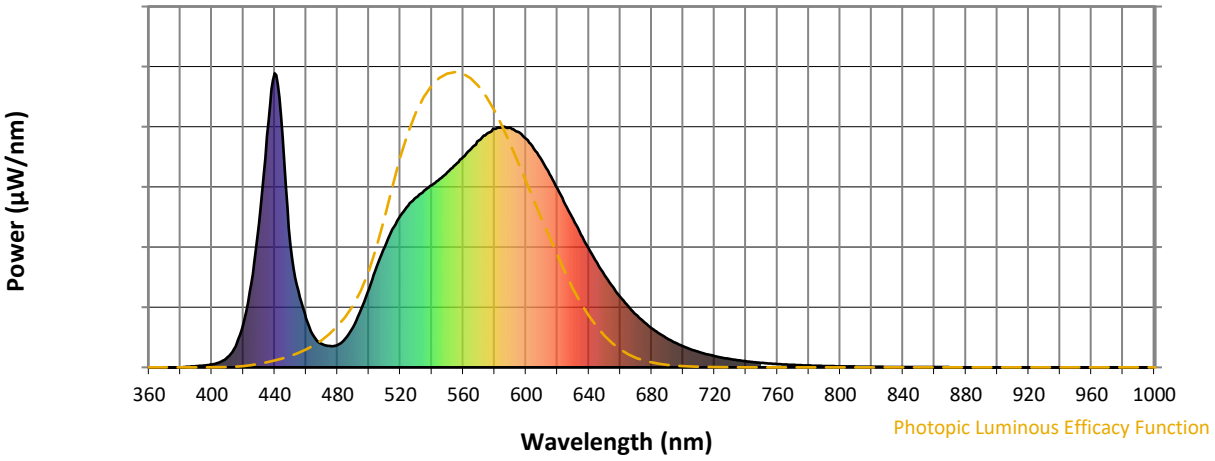


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

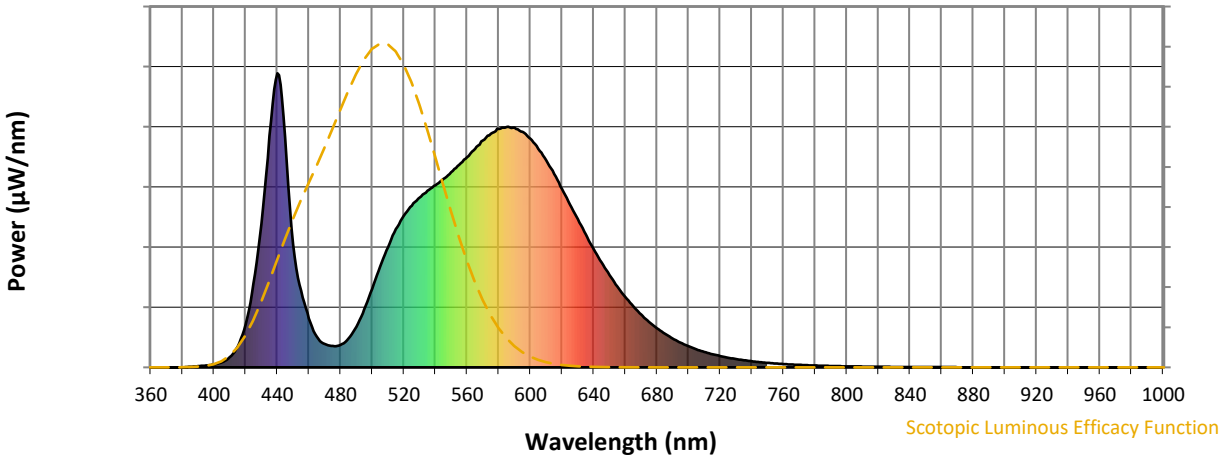


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

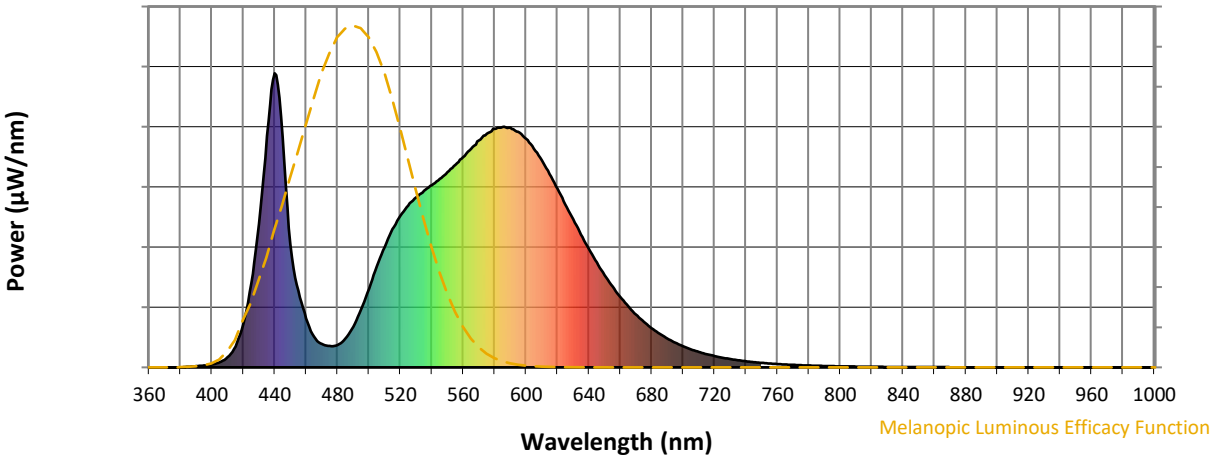


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

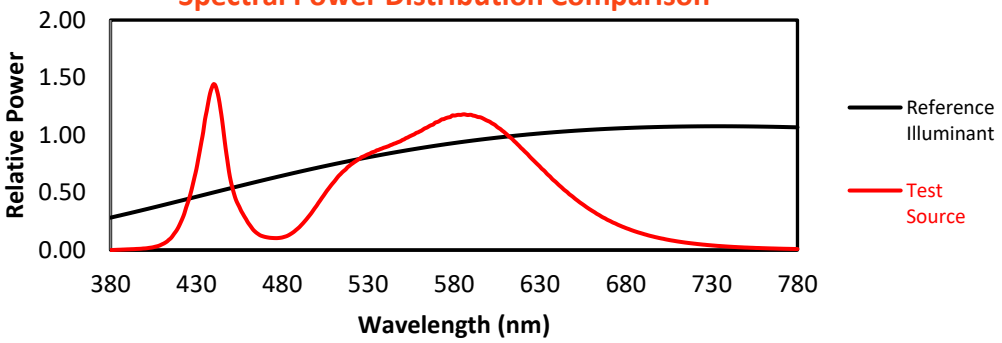
REPORT NUMBER: SP1-2407-184-1

TM-30-18

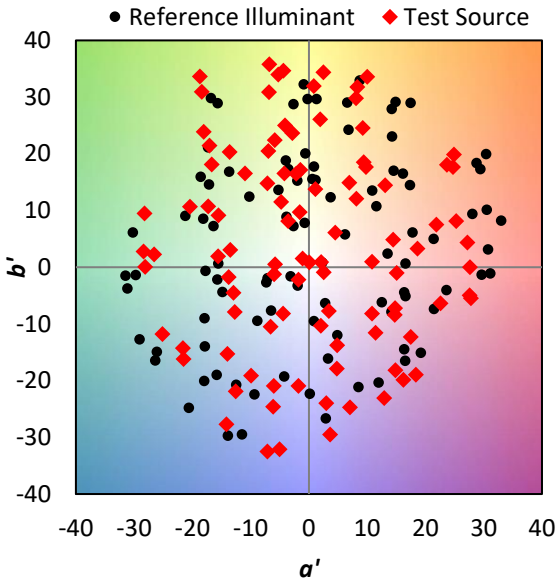
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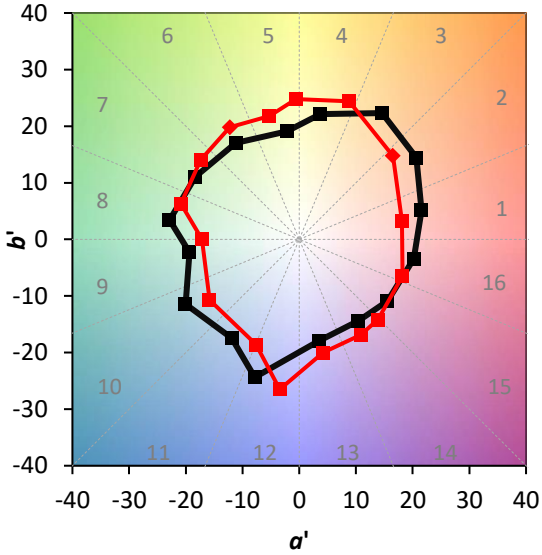
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

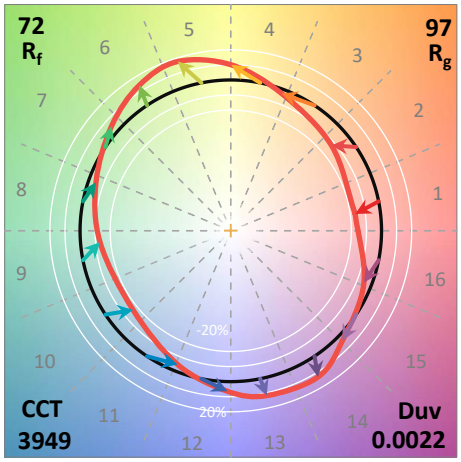
Spectral Power Distribution Comparison

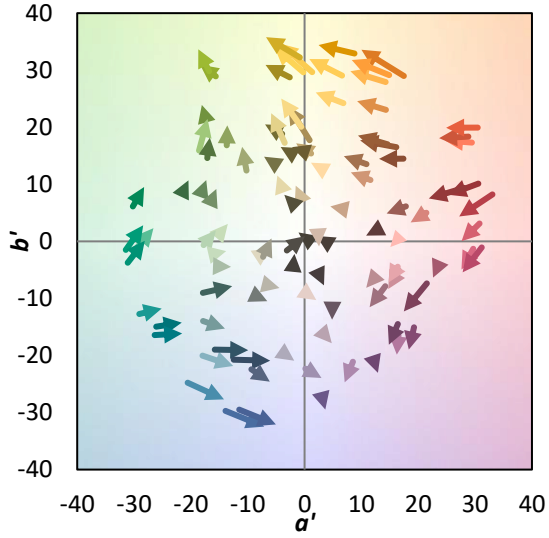


Color Vector Graphics







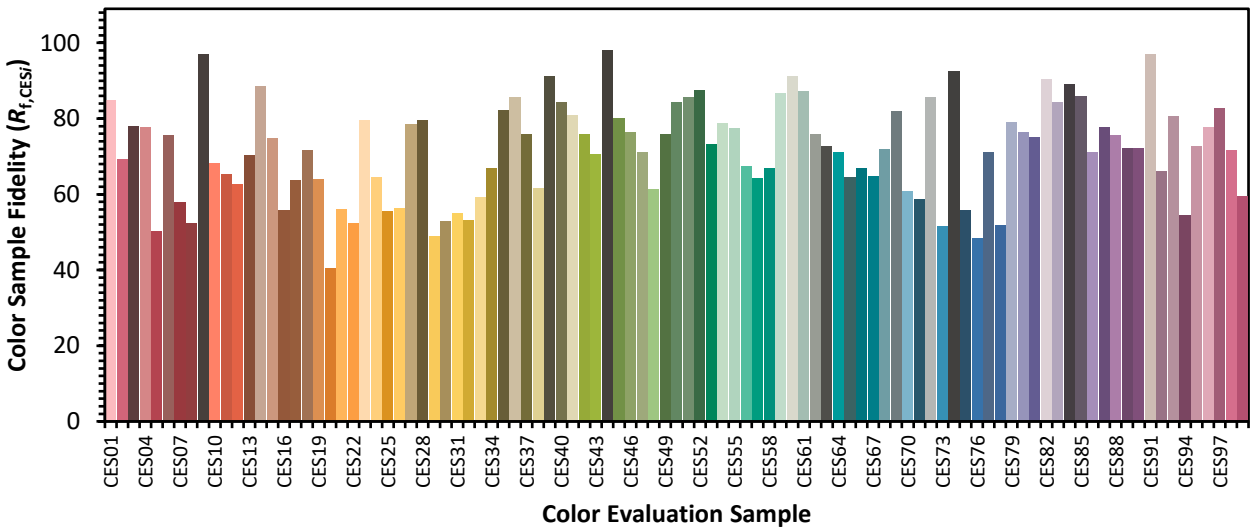


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Individual Sample Fidelity Index ($R_{f,i}$)

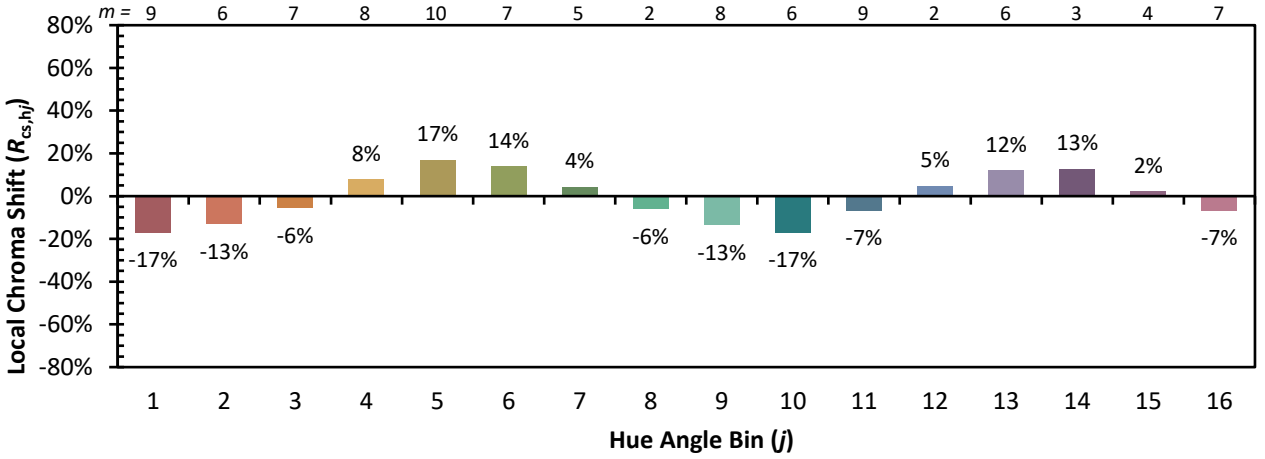
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

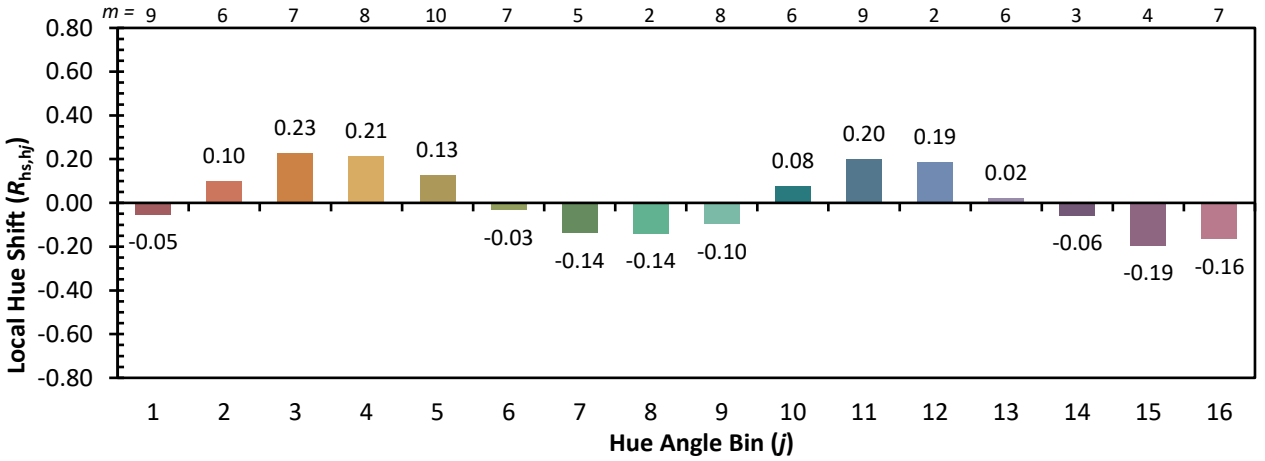


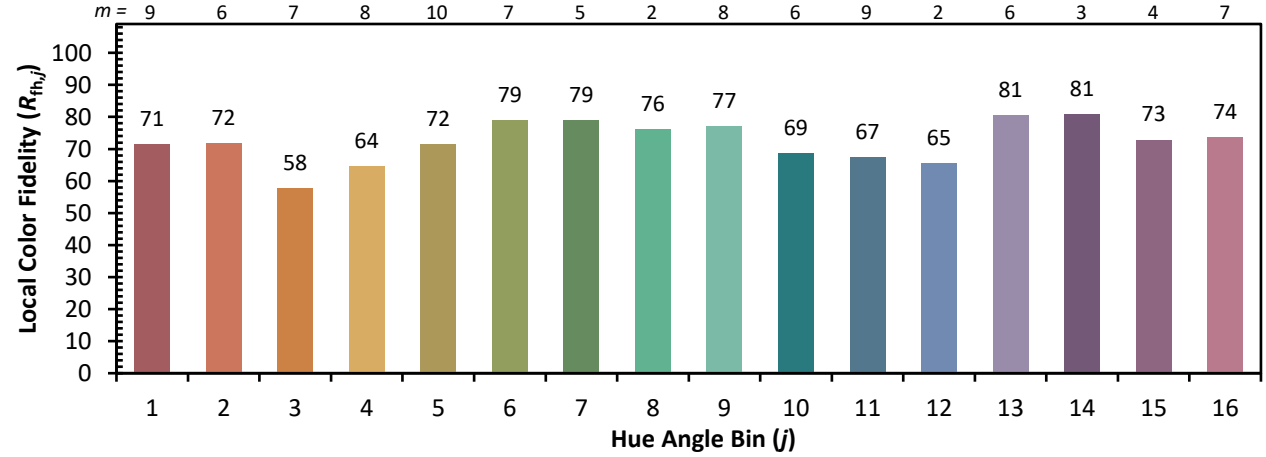
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Color Rendition by Hue-Angle Bin



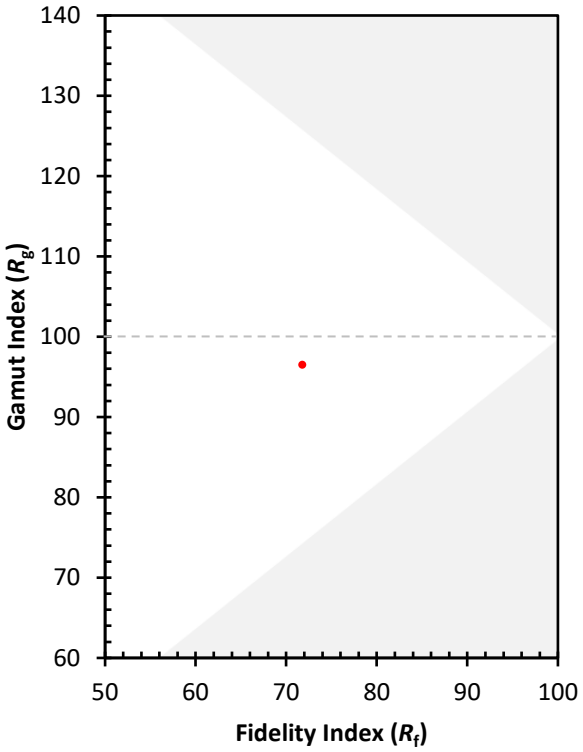


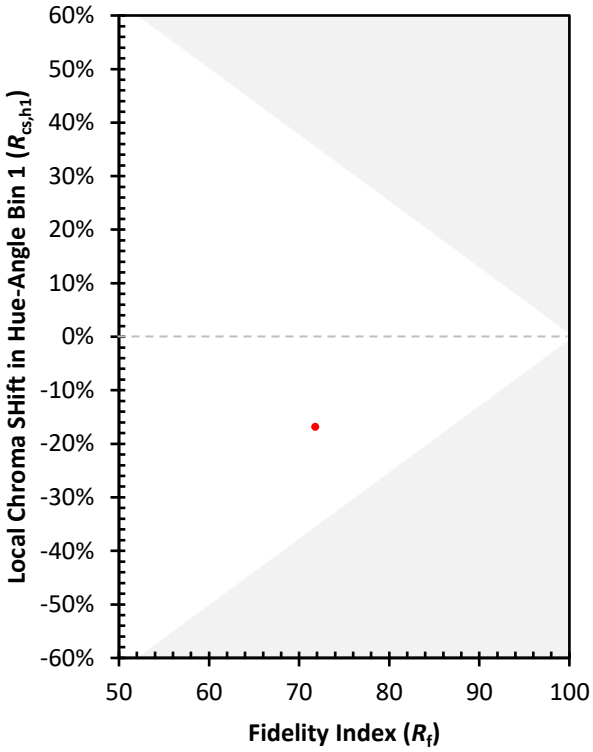


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Measure Comparisons





(END OF REPORT)