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: P1364513

Luminaire Tested: **GSS-SB3C-740-U-SLR-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:	P1364513
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-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator RIGHT 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:	16640.6 lumens
Efficiency:	N/A
Efficacy:	110.9 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

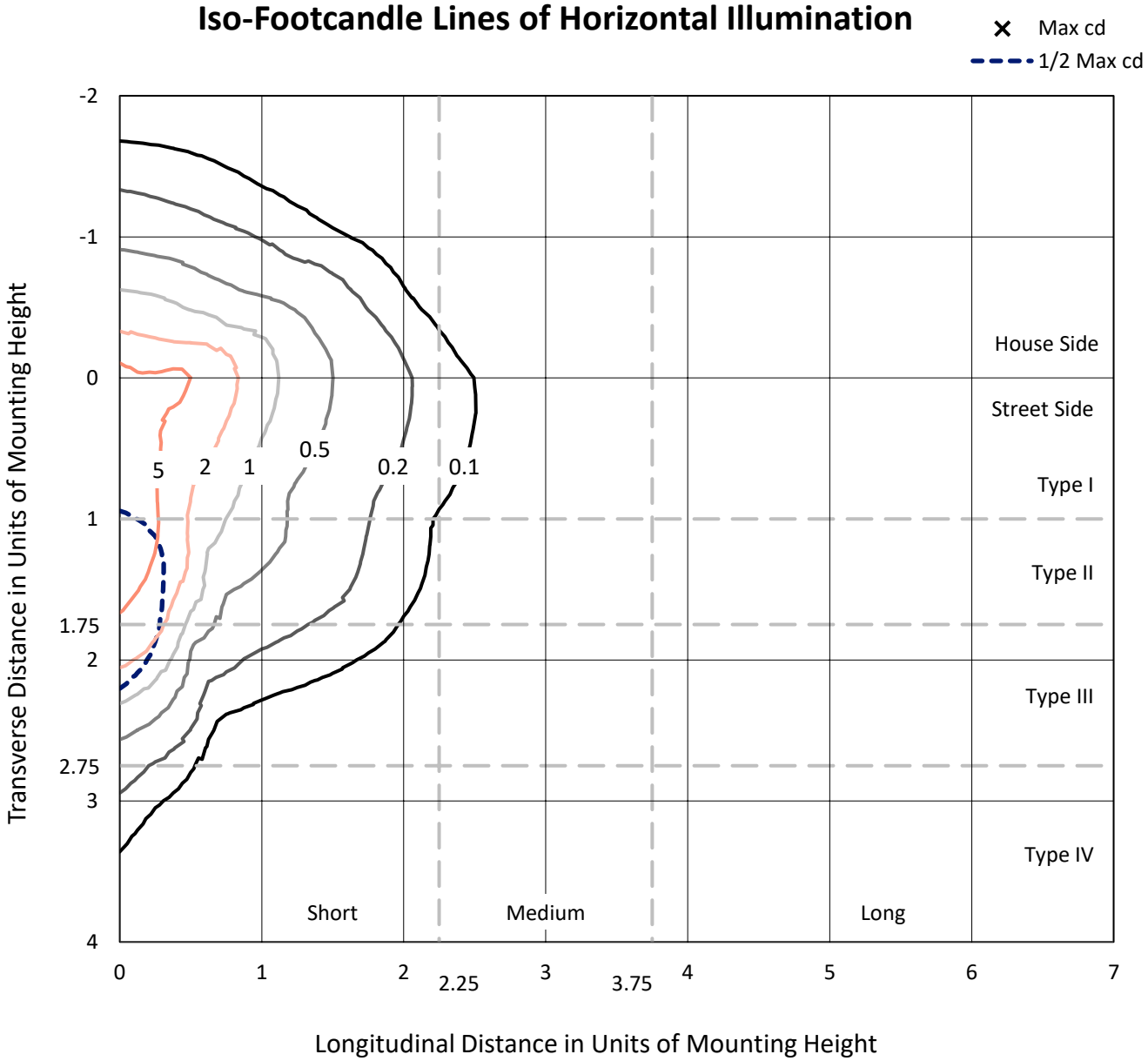
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



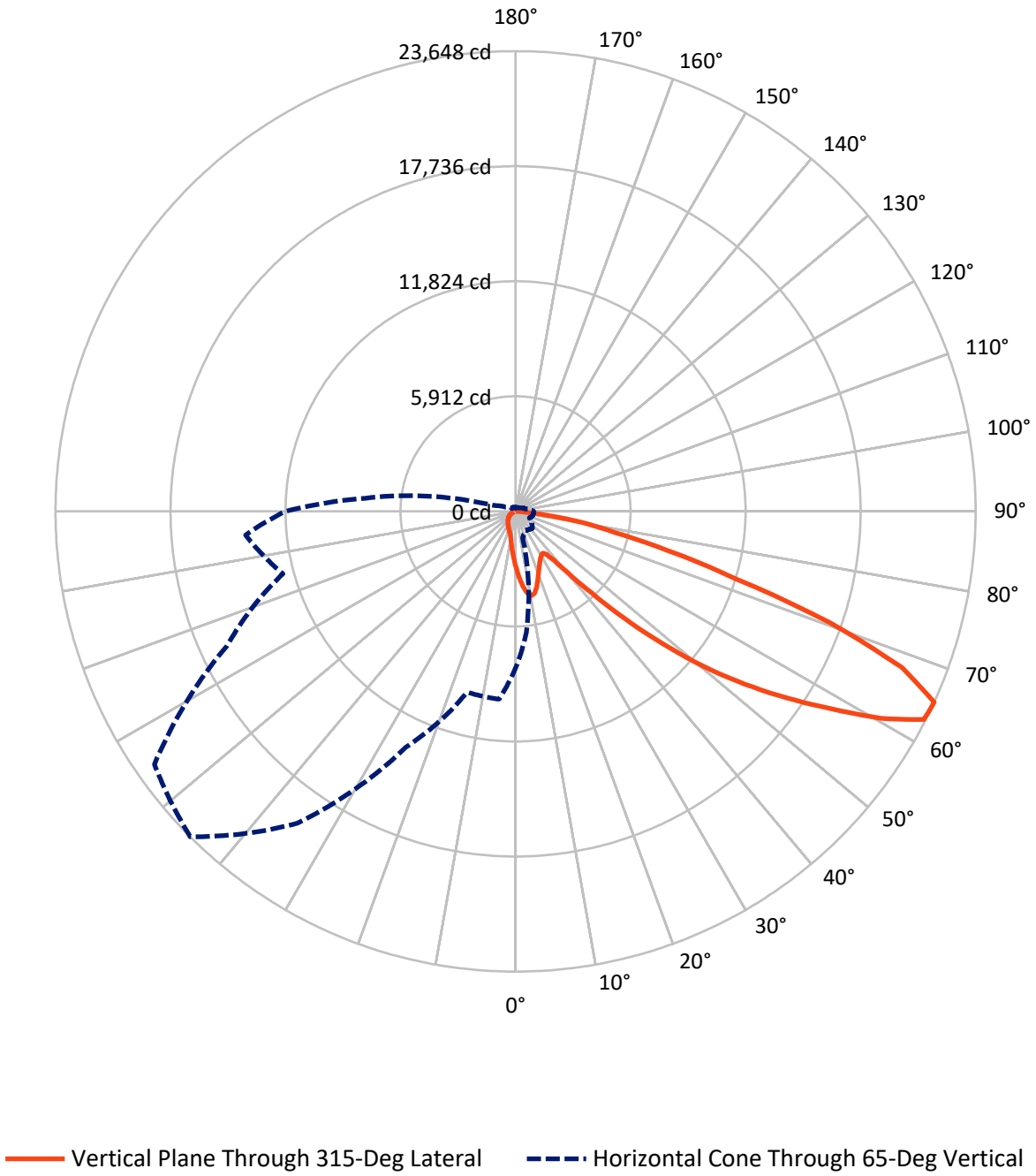
Based on 20 foot mounting height. Maximum calculated value = 9.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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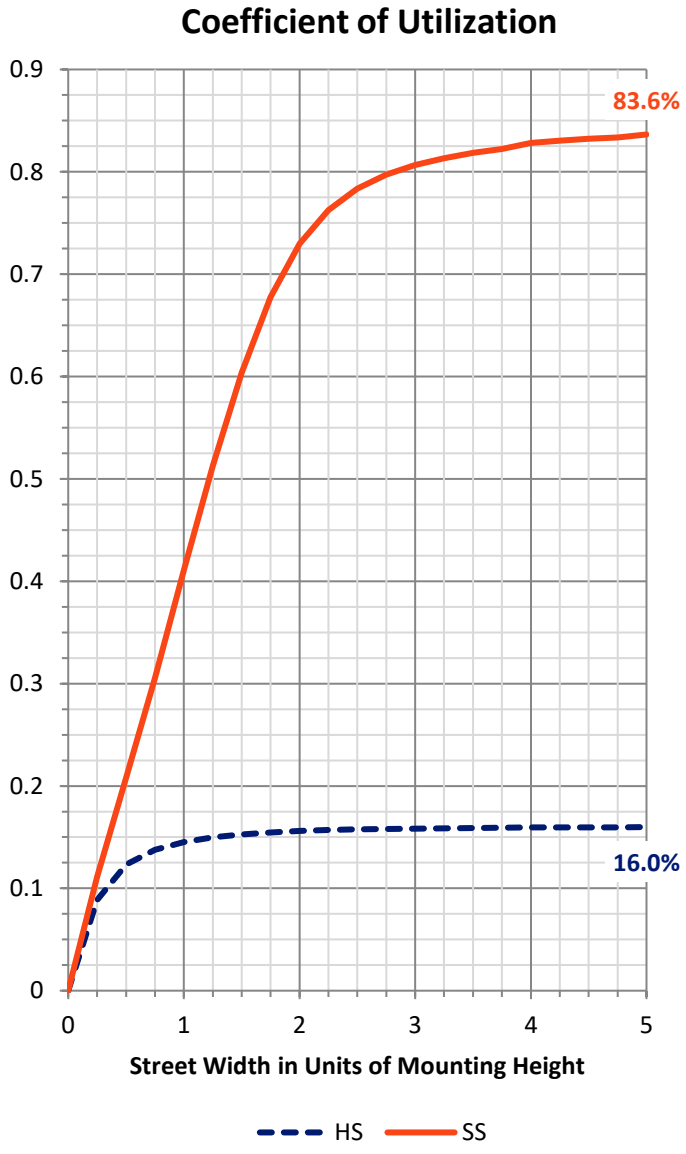
REPORT NUMBER: P1364513
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2690.0	0.0	2690.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	13950.5	0.0	13950.5
	% Fixture	83.8	0.0	83.8
Total	Lumens	16640.6	0.0	16640.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	1.7
10°-20°	764.6	4.6
20°-30°	1095.1	6.6
30°-40°	1373.6	8.3
40°-50°	2256.5	13.6
50°-60°	4072.0	24.5
60°-70°	4519.1	27.2
70°-80°	2041.7	12.3
80°-90°	241.4	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°	16640.6	100.0
0°-180°	16640.6	100.0



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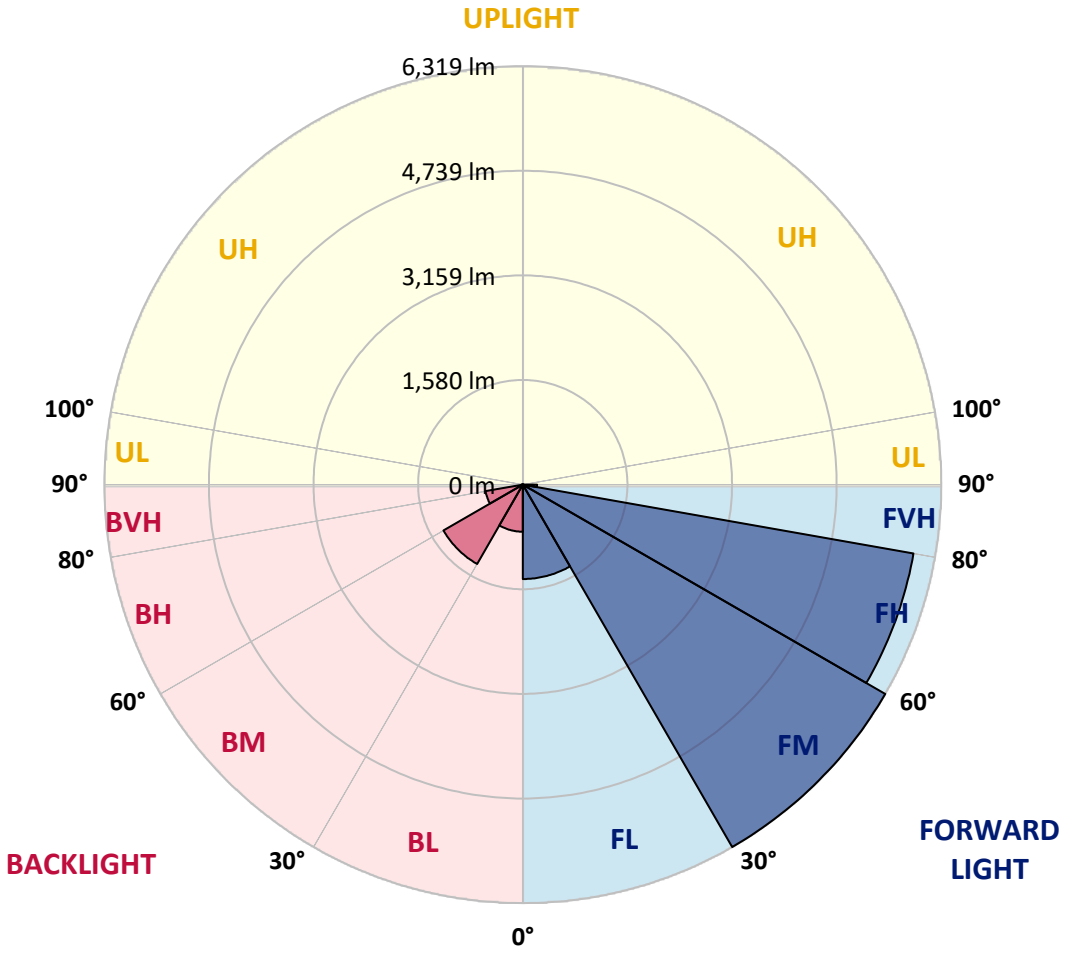
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1425.4	8.6			
FM	(30°-60°)	6318.9	38.0			
FH	(60°-80°)	5989.5	36.0			G3/7500
FVH	(80°-90°)	216.7	1.3			G2/225
BL	(0°-30°)	710.8	4.3	B2/1000		
BM	(30°-60°)	1383.2	8.3	B2/2500		
BH	(60°-80°)	571.3	3.4	B2/1000		G2/1000
BVH	(80°-90°)	24.7	0.1			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°	3244.7	3241.6	3229.4	3152.7	3076.1	3009.7	2943.2	2876.8	2784.8	2713.3	2652.0
5°	3551.3	3534.9	3469.5	3352.0	3224.3	3111.9	2984.1	2861.5	2723.5	2611.1	2493.6
7.5°	3760.8	3744.5	3679.0	3484.9	3290.7	3152.7	3014.8	2887.0	2733.7	2585.6	2416.9
10°	3857.9	3839.5	3765.9	3556.4	3331.6	3163.0	3025.0	2907.5	2779.7	2631.5	2422.0
12.5°	3924.3	3901.8	3811.9	3571.7	3341.8	3173.2	3030.1	2917.7	2825.7	2738.8	2534.5
15°	3965.2	3944.8	3863.0	3612.6	3346.9	3157.8	2989.2	2881.9	2851.3	2866.6	2769.5
17.5°	4026.5	4007.1	3929.4	3663.7	3377.6	3132.3	2902.4	2784.8	2851.3	2989.2	3019.9
20°	4108.3	4087.8	4006.1	3730.1	3403.1	3055.7	2738.8	2626.4	2795.1	3025.0	3183.4
22.5°	4200.2	4183.9	4118.5	3806.8	3428.7	2943.2	2524.2	2473.1	2677.5	2922.8	3127.2
25°	4312.7	4297.3	4236.0	3914.1	3454.2	2789.9	2340.3	2350.5	2524.2	2718.4	2927.9
27.5°	4466.0	4451.6	4394.4	4047.0	3484.9	2631.5	2192.1	2243.2	2370.9	2503.8	2631.5
30°	4634.6	4623.3	4578.4	4205.4	3546.2	2483.4	2105.2	2135.9	2222.8	2330.1	2406.7
32.5°	4864.5	4846.1	4772.5	4353.5	3541.1	2370.9	2064.4	2033.7	2059.2	2146.1	2222.8
35°	5150.7	5136.4	5079.1	4506.8	3449.1	2268.7	2043.9	1936.6	1921.3	1972.4	2049.0
37.5°	5569.7	5557.4	5508.3	4757.2	3306.0	2141.0	1992.8	1834.4	1783.3	1819.1	1870.2
40°	6198.2	6166.5	6039.8	5043.4	3147.6	2013.3	1900.8	1711.8	1640.2	1665.8	1722.0
42.5°	7051.5	6991.2	6750.0	5426.6	2933.0	1890.6	1762.9	1589.1	1512.5	1527.8	1578.9
45°	8145.0	8054.0	7690.2	5952.9	2708.2	1793.5	1619.8	1461.4	1379.6	1395.0	1451.2
47.5°	9422.4	9297.8	8799.1	6504.8	2468.0	1737.3	1507.4	1333.7	1272.3	1308.1	1364.3
50°	10929.8	10804.1	10301.3	6857.3	2273.9	1701.6	1420.5	1216.1	1190.6	1236.6	1282.6
52.5°	12575.2	12396.3	11681.0	6632.5	2115.5	1670.9	1389.9	1134.4	1144.6	1180.4	1226.3
55°	14174.5	13777.0	12186.8	5886.5	1911.1	1635.1	1410.3	1073.1	1098.6	1144.6	1180.4
57.5°	15216.9	14526.1	11762.7	4741.9	1696.4	1594.3	1425.6	1042.4	1062.8	1113.9	1154.8
60°	14307.4	13612.5	10832.7	3551.3	1512.5	1507.4	1400.1	1032.2	1001.5	1073.1	1108.8
62.5°	11721.8	11149.6	8860.4	2268.7	1338.8	1343.9	1343.9	1027.1	899.3	991.3	1022.0
65°	*8053.0*	*7695.3*	*6264.6*	*1405.2*	*1093.5*	*1144.6*	*1221.2*	*996.4*	*792.0*	*899.3*	*930.0*
67.5°	5293.7	5031.1	3980.5	868.7	843.1	940.2	1057.7	935.1	710.3	807.3	827.8
70°	2871.7	2672.4	1875.3	572.3	551.9	735.8	832.9	792.0	638.7	720.5	740.9
72.5°	1895.7	1732.2	1078.2	403.7	403.7	577.4	582.5	648.9	572.3	638.7	659.2
75°	1425.6	1279.5	694.9	281.0	311.7	367.9	454.8	465.0	480.3	541.6	567.2
77.5°	654.1	574.3	255.5	168.6	229.9	255.5	347.5	296.4	357.7	403.7	413.9
80°	378.1	331.1	143.1	112.4	148.2	163.5	286.1	173.7	214.6	286.1	301.5
82.5°	158.4	141.0	71.5	76.6	92.0	97.1	158.4	122.6	138.0	189.1	184.0
85°	46.0	46.0	46.0	51.1	56.2	56.2	92.0	86.9	81.8	86.9	86.9
87.5°	30.7	30.7	30.7	30.7	35.8	35.8	40.9	46.0	51.1	51.1	51.1
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°	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8	2876.8
2.5°	2626.4	2590.7	2544.7	2478.2	2468.0	2432.3	2406.7	2432.3	2457.8	2503.8	2508.9
5°	2432.3	2376.1	2268.7	2187.0	2095.0	2049.0	2043.9	2033.7	2064.4	2130.8	2171.7
7.5°	2325.0	2233.0	2038.8	1895.7	1768.0	1722.0	1686.2	1716.9	1711.8	1798.6	1834.4
10°	2299.4	2156.3	1885.5	1670.9	1512.5	1451.2	1415.4	1410.3	1420.5	1471.6	1507.4
12.5°	2391.4	2207.4	1824.2	1507.4	1323.4	1257.0	1216.1	1180.4	1180.4	1190.6	1236.6
15°	2595.8	2376.1	1860.0	1430.7	1231.5	1144.6	1078.2	1032.2	996.4	1001.5	1006.6
17.5°	2881.9	2621.3	1951.9	1405.2	1175.3	1083.3	1001.5	955.5	914.7	904.4	904.4
20°	3106.7	2856.4	2023.5	1384.8	1129.3	1011.7	940.2	899.3	863.6	848.2	848.2
22.5°	3132.3	2953.5	2084.8	1359.2	1073.1	940.2	873.8	838.0	812.5	807.3	807.3
25°	2963.7	2876.8	2064.4	1328.5	1016.8	873.8	822.7	792.0	766.5	761.4	766.5
27.5°	2682.6	2636.6	1992.8	1287.7	970.9	822.7	776.7	751.1	725.6	720.5	725.6
30°	2432.3	2381.2	1870.2	1221.2	935.1	781.8	730.7	705.2	679.6	679.6	684.7
32.5°	2227.9	2176.8	1747.5	1144.6	889.1	735.8	689.8	664.3	638.7	638.7	648.9
35°	2043.9	2003.0	1650.5	1067.9	843.1	694.9	643.8	623.4	603.0	597.8	608.1
37.5°	1885.5	1865.1	1563.6	986.2	797.1	654.1	608.1	587.6	562.1	557.0	567.2
40°	1732.2	1722.0	1466.5	914.7	740.9	613.2	567.2	546.7	516.1	516.1	526.3
42.5°	1589.1	1584.0	1379.6	868.7	689.8	572.3	521.2	500.8	475.2	475.2	485.4
45°	1476.7	1471.6	1297.9	843.1	638.7	526.3	480.3	454.8	434.3	439.4	449.7
47.5°	1374.5	1364.3	1211.0	848.2	613.2	495.6	434.3	408.8	393.5	403.7	419.0
50°	1292.8	1282.6	1149.7	853.3	572.3	454.8	398.6	373.0	362.8	378.1	393.5
52.5°	1241.7	1231.5	1088.4	822.7	521.2	424.1	362.8	347.5	347.5	362.8	373.0
55°	1190.6	1180.4	986.2	756.2	465.0	393.5	337.2	327.0	327.0	342.4	352.6
57.5°	1159.9	1139.5	878.9	679.6	419.0	357.7	311.7	311.7	311.7	316.8	321.9
60°	1113.9	1062.8	766.5	582.5	383.2	321.9	291.3	286.1	286.1	281.0	286.1
62.5°	1016.8	930.0	643.8	495.6	342.4	291.3	265.7	260.6	245.3	229.9	235.1
65°	*919.8*	*786.9*	*511.0*	*413.9*	*296.4*	*250.4*	*235.1*	*229.9*	*204.4*	*184.0*	*189.1*
67.5°	797.1	628.5	383.2	347.5	255.5	214.6	199.3	199.3	184.0	168.6	168.6
70°	710.3	490.5	321.9	260.6	204.4	168.6	168.6	178.8	163.5	143.1	143.1
72.5°	628.5	398.6	260.6	209.5	158.4	132.9	143.1	148.2	132.9	117.5	117.5
75°	536.5	311.7	204.4	163.5	117.5	102.2	107.3	117.5	107.3	92.0	97.1
77.5°	388.3	214.6	138.0	107.3	86.9	76.6	81.8	81.8	76.6	71.5	71.5
80°	270.8	143.1	92.0	71.5	61.3	56.2	56.2	51.1	51.1	56.2	56.2
82.5°	163.5	102.2	66.4	56.2	46.0	35.8	35.8	40.9	40.9	46.0	46.0
85°	71.5	61.3	46.0	40.9	30.7	25.5	30.7	30.7	35.8	40.9	40.9
87.5°	46.0	46.0	35.8	30.7	25.5	20.4	20.4	25.5	25.5	30.7	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

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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°	2529.3	2580.4	2641.8	2728.6	2805.3	2897.2	2989.2	3076.1	3157.8	3168.1	3203.8
5°	2202.3	2299.4	2422.0	2565.1	2738.8	2922.8	3101.6	3290.7	3444.0	3500.2	3582.0
7.5°	1865.1	1987.7	2166.5	2386.3	2631.5	2907.5	3183.4	3449.1	3679.0	3786.4	3893.7
10°	1543.2	1660.7	1880.4	2146.1	2462.9	2835.9	3203.8	3561.5	3842.6	3965.2	4067.4
12.5°	1251.9	1369.4	1548.3	1854.9	2238.1	2687.7	3173.2	3602.4	3914.1	4041.8	4138.9
15°	1022.0	1119.0	1287.7	1573.8	1977.5	2483.4	3065.9	3571.7	3929.4	4052.1	4123.6
17.5°	899.3	924.9	1032.2	1292.8	1732.2	2299.4	2927.9	3530.9	3939.6	4052.1	4092.9
20°	848.2	848.2	868.7	1006.6	1435.8	2105.2	2825.7	3505.3	3955.0	4067.4	4062.3
22.5°	802.2	812.5	812.5	843.1	1093.5	1834.4	2718.4	3495.1	4001.0	4087.8	4016.3
25°	761.4	776.7	776.7	786.9	858.4	1512.5	2585.6	3515.5	4082.7	4128.7	3985.6
27.5°	725.6	740.9	740.9	751.1	766.5	1124.2	2365.8	3520.6	4174.7	4179.8	3944.8
30°	689.8	705.2	715.4	715.4	725.6	827.8	2089.9	3490.0	4276.9	4246.2	3939.6
32.5°	648.9	669.4	674.5	684.7	689.8	720.5	1732.2	3438.9	4404.6	4338.2	3944.8
35°	613.2	638.7	643.8	643.8	654.1	684.7	1384.8	3382.7	4578.4	4460.8	3965.2
37.5°	577.4	597.8	603.0	608.1	618.3	648.9	1098.6	3300.9	4726.6	4614.1	4067.4
40°	536.5	562.1	567.2	572.3	582.5	613.2	945.3	3198.7	4951.4	4869.6	4220.7
42.5°	495.6	521.2	531.4	536.5	541.6	582.5	863.6	3127.2	5314.2	5227.3	4532.4
45°	459.9	485.4	495.6	495.6	505.9	562.1	792.0	3285.6	5814.9	5774.1	4951.4
47.5°	429.2	454.8	459.9	459.9	465.0	531.4	730.7	3709.7	6581.4	6474.1	5605.4
50°	403.7	424.1	434.3	424.1	429.2	505.9	766.5	4409.7	7562.5	7598.3	6566.1
52.5°	383.2	403.7	408.8	388.3	388.3	470.1	812.5	4982.0	8814.4	9141.4	8088.8
55°	357.7	378.1	383.2	357.7	357.7	413.9	705.2	5017.8	10240.0	11292.6	10071.4
57.5°	332.1	352.6	352.6	332.1	327.0	357.7	572.3	4450.6	11343.7	13730.0	12784.7
60°	301.5	321.9	316.8	306.6	296.4	327.0	526.3	3392.9	11195.5	15319.1	15896.5
62.5°	245.3	275.9	286.1	281.0	260.6	296.4	490.5	2212.5	9688.2	13939.5	15799.5
65°	*204.4*	*229.9*	*245.3*	*245.3*	*229.9*	*327.0*	*429.2*	*1165.0*	*7756.7*	*11829.2*	*13929.3*
67.5°	178.8	204.4	214.6	209.5	199.3	291.3	270.8	562.1	5947.8	10194.0	12467.9
70°	158.4	178.8	189.1	173.7	163.5	235.1	194.2	332.1	3980.5	8507.8	11103.6
72.5°	127.7	148.2	158.4	143.1	127.7	173.7	148.2	219.7	2590.7	7250.8	9867.0
75°	102.2	122.6	127.7	117.5	102.2	127.7	117.5	153.3	1691.3	5998.9	8390.3
77.5°	76.6	86.9	97.1	92.0	76.6	92.0	81.8	107.3	965.7	4210.5	5886.5
80°	61.3	66.4	66.4	66.4	61.3	56.2	56.2	71.5	434.3	2074.6	3071.0
82.5°	51.1	56.2	56.2	51.1	46.0	40.9	35.8	40.9	127.7	930.0	1415.4
85°	46.0	51.1	40.9	35.8	30.7	25.5	15.3	15.3	35.8	148.2	275.9
87.5°	35.8	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	0.0

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

Scaled Data Report

REPORT NUMBER: P1364513
CATALOG NUMBER: GSS-SB3C-740-U-SLR-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°	3260.0	3311.1	3346.9	3377.6	3367.3	3341.8	3290.7	3254.9	3246.8	3244.7
5°	3689.3	3771.0	3842.6	3832.3	3842.6	3765.9	3689.3	3597.3	3560.5	3551.3
7.5°	4047.0	4149.1	4236.0	4225.8	4195.1	4108.3	3980.5	3842.6	3777.2	3760.8
10°	4241.1	4358.6	4430.2	4404.6	4353.5	4241.1	4113.4	3949.9	3876.3	3857.9
12.5°	4276.9	4353.5	4338.2	4328.0	4317.8	4261.6	4164.5	4016.3	3942.7	3924.3
15°	4184.9	4154.3	4067.4	4047.0	4123.6	4195.1	4174.7	4052.1	3982.6	3965.2
17.5°	4031.6	3873.2	3714.8	3694.4	3822.1	4021.4	4179.8	4108.3	4042.9	4026.5
20°	3863.0	3566.6	3392.9	3357.1	3515.5	3811.9	4123.6	4164.5	4119.5	4108.3
22.5°	3663.7	3316.3	3132.3	3111.9	3229.4	3576.9	4041.8	4225.8	4205.4	4200.2
25°	3490.0	3096.5	2922.8	2892.1	3045.4	3382.7	3960.1	4328.0	4315.7	4312.7
27.5°	3346.9	2938.1	2754.2	2733.7	2881.9	3219.2	3857.9	4414.9	4455.7	4466.0
30°	3234.5	2820.6	2636.6	2611.1	2774.6	3106.7	3786.4	4537.5	4615.2	4634.6
32.5°	3147.6	2754.2	2580.4	2565.1	2738.8	3060.8	3745.5	4665.2	4824.7	4864.5
35°	3117.0	2774.6	2657.1	2692.9	2825.7	3106.7	3776.1	4874.7	5095.5	5150.7
37.5°	3183.4	2999.4	3081.2	3173.2	3224.3	3326.5	3919.2	5212.0	5498.1	5569.7
40°	3398.0	3602.4	3985.6	4164.5	4144.0	3909.0	4246.2	5687.2	6096.0	6198.2
42.5°	3944.8	4609.0	5421.5	5723.0	5549.2	4839.0	4767.4	6469.0	6935.0	7051.5
45°	4757.2	5825.2	7158.8	7838.4	7240.6	6019.3	5590.1	7582.9	8032.6	8145.0
47.5°	5569.7	7184.4	9304.9	10112.3	8937.0	7189.5	6668.3	8916.6	9321.3	9422.4
50°	6397.5	8686.6	11445.9	12524.1	10628.4	8380.0	7812.9	10561.9	10856.3	10929.8
52.5°	7250.8	10030.5	13806.6	14736.6	12396.3	9299.8	9121.0	12355.5	12531.2	12575.2
55°	8201.2	11302.8	16172.5	16923.6	14005.9	10102.0	10653.9	14230.8	14185.8	14174.5
57.5°	9468.4	12641.6	18078.4	19125.9	15467.3	11185.3	12702.9	16315.5	15436.7	15216.9
60°	11681.0	14721.3	20449.4	21588.8	17424.4	12769.4	14210.3	16269.6	14699.8	14307.4
62.5°	14246.1	16724.3	22595.5	23556.1	19483.6	14343.2	13009.5	13663.6	12110.2	11721.8
65°	12375.9	16371.8	22661.9	23648.1	19560.3	13382.5	9616.6	9688.2	8380.0	8053.0
67.5°	10531.3	14511.8	20638.4	21415.1	17449.9	11062.7	6377.0	6320.8	5499.2	5293.7
70°	9376.5	12713.1	17787.2	17117.8	14670.2	9350.9	4236.0	3510.4	2999.4	2871.7
72.5°	8426.0	10086.7	14414.7	11798.5	12171.5	7608.5	2692.9	2391.4	1994.9	1895.7
75°	7628.9	8344.3	8993.2	8155.2	8645.8	6269.7	2284.1	1844.6	1509.4	1425.6
77.5°	6070.4	6494.5	5324.4	5171.1	6055.1	4460.8	1134.4	776.7	678.6	654.1
80°	3612.6	3071.0	3019.9	3444.0	4031.6	2314.7	694.9	429.2	388.3	378.1
82.5°	2187.0	1108.8	1205.9	1522.7	2146.1	1052.6	413.9	184.0	163.5	158.4
85°	367.9	301.5	465.0	444.6	419.0	224.8	112.4	51.1	47.0	46.0
87.5°	10.2	15.3	20.4	25.5	25.5	25.5	25.5	25.5	29.6	30.7
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

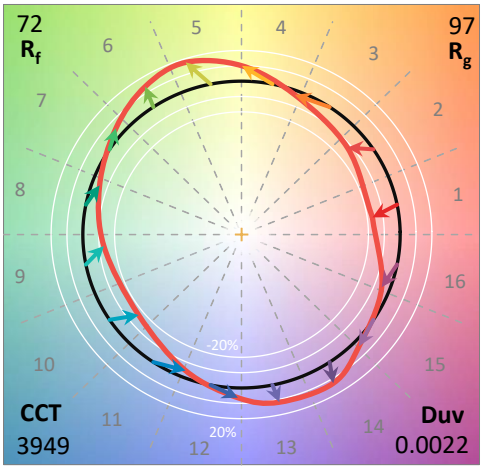
Test Information

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

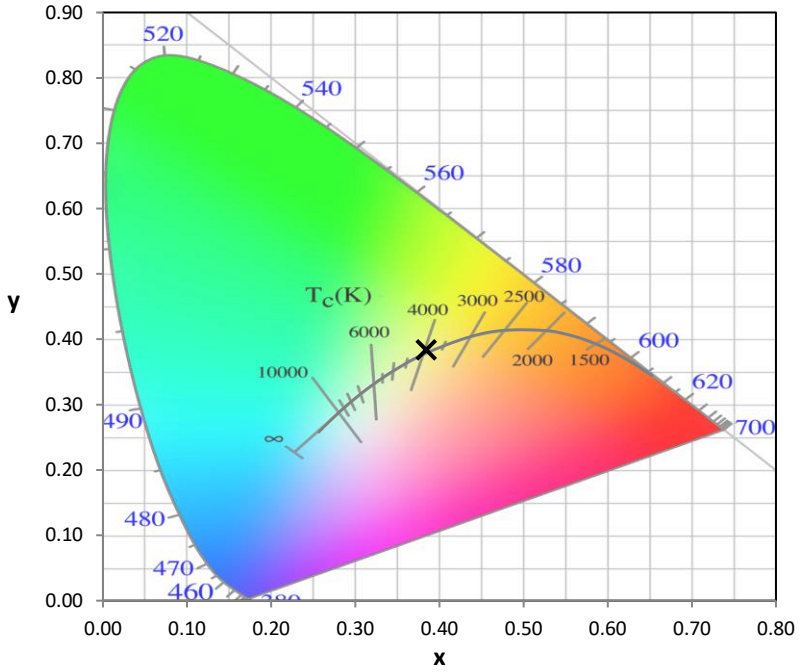
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

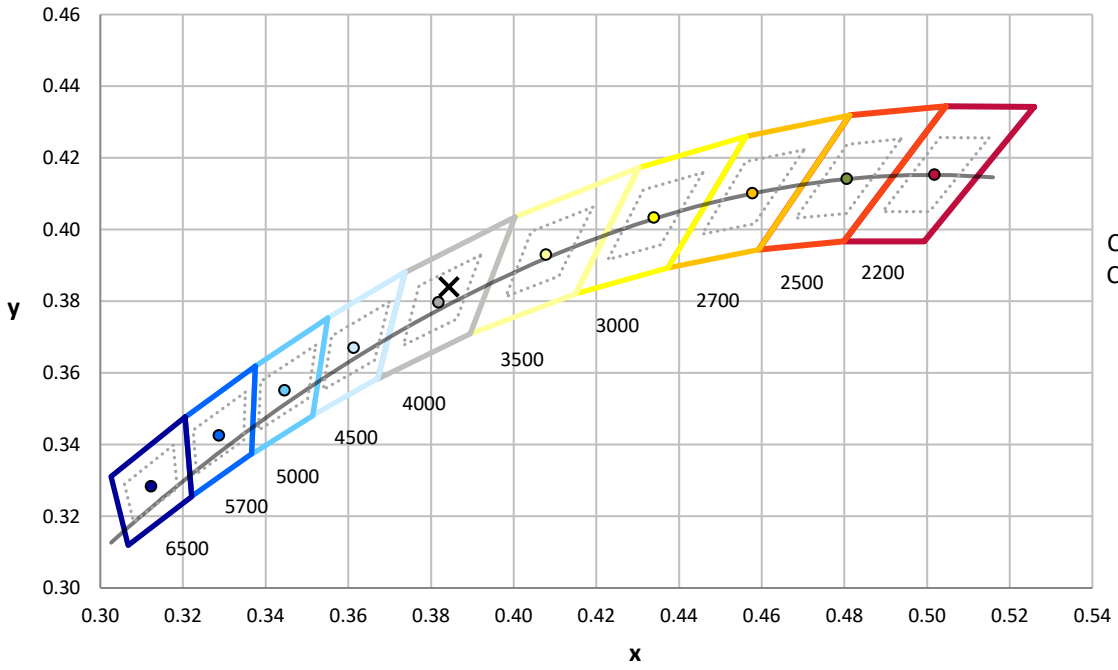
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

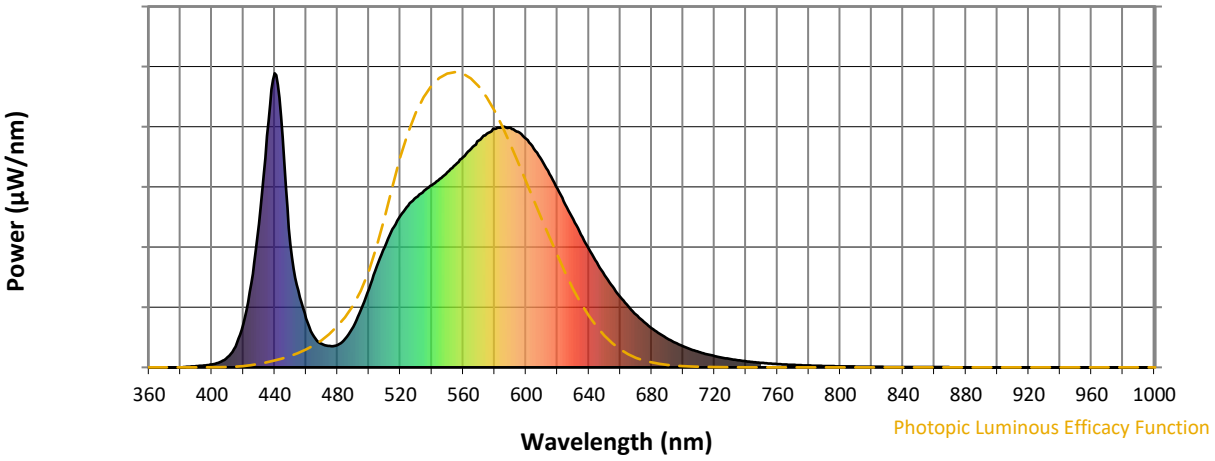


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

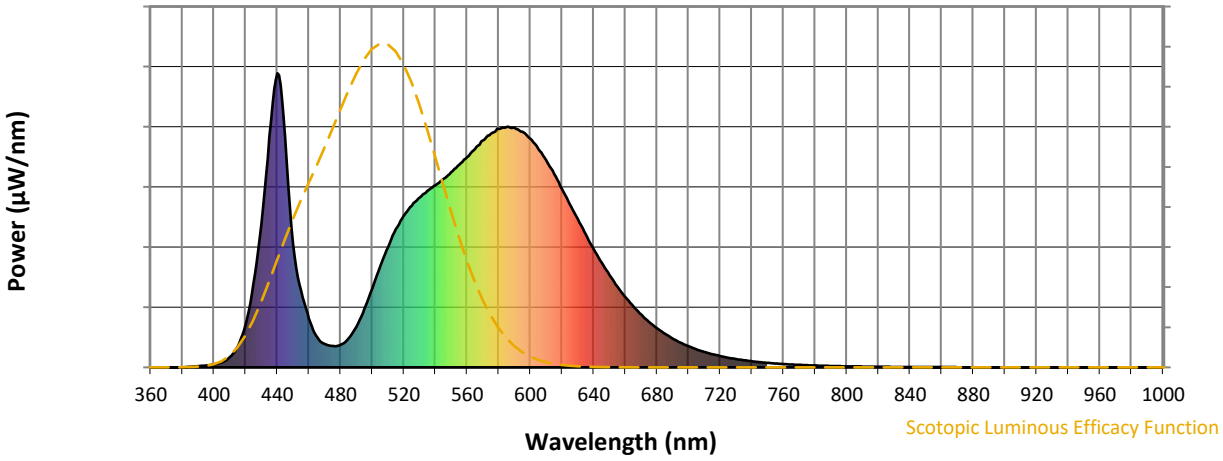


Photopic Lumens: NR

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

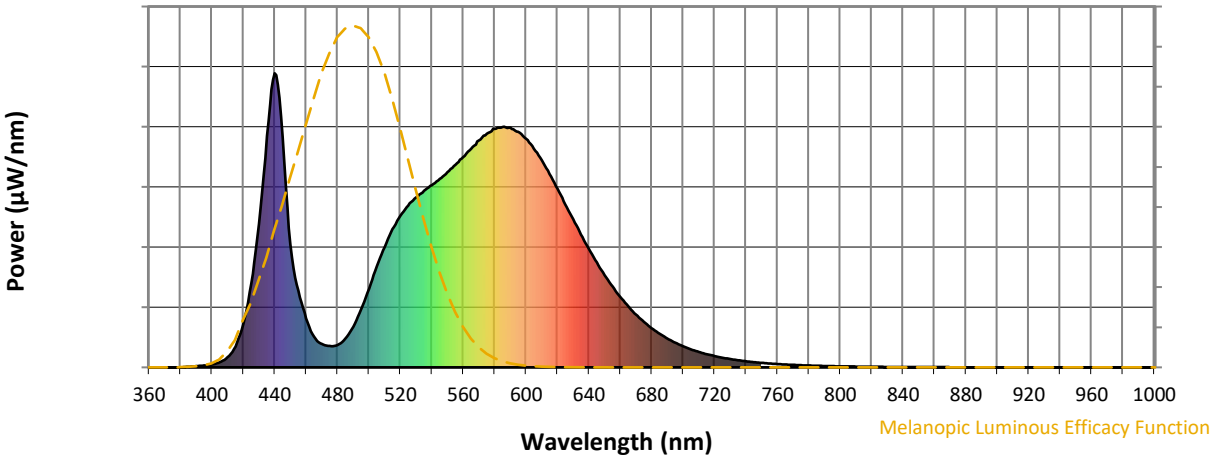


Scotopic Lumens: NR **S/P: 1.47**

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			

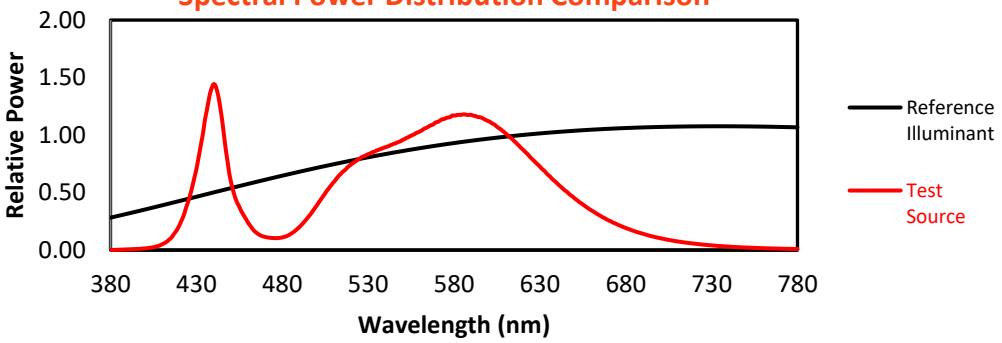
REPORT NUMBER: SP1-2407-184-1

TM-30-18

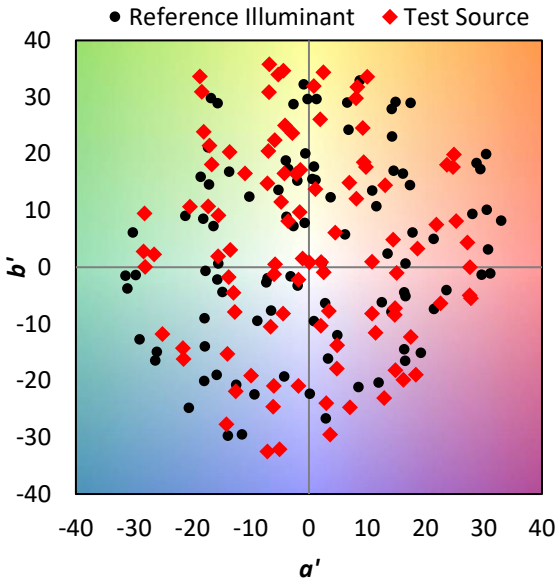
Summary

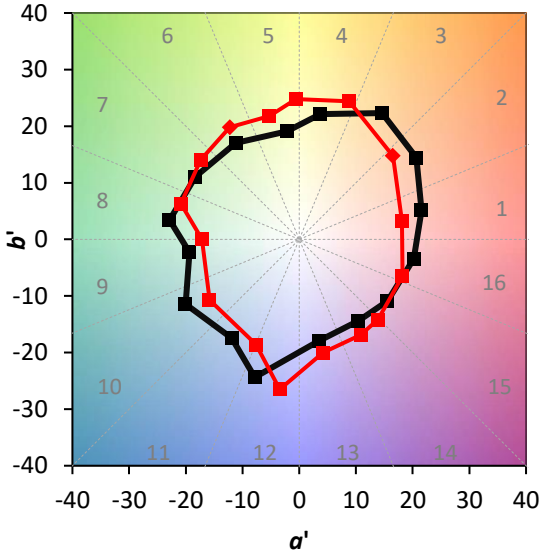
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

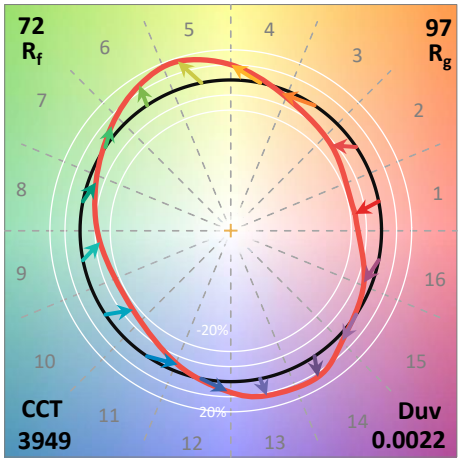
Spectral Power Distribution Comparison

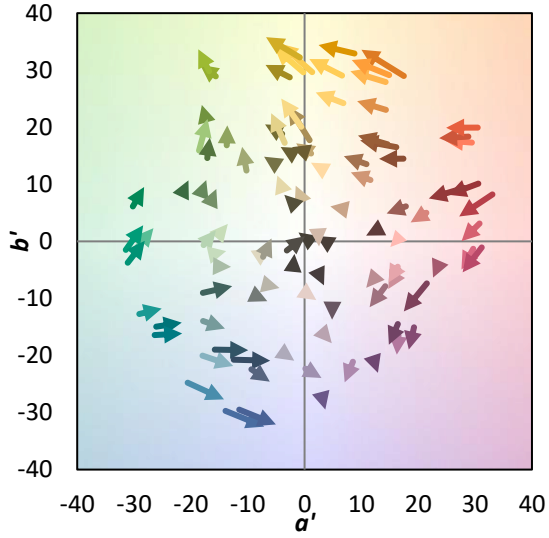


Color Vector Graphics







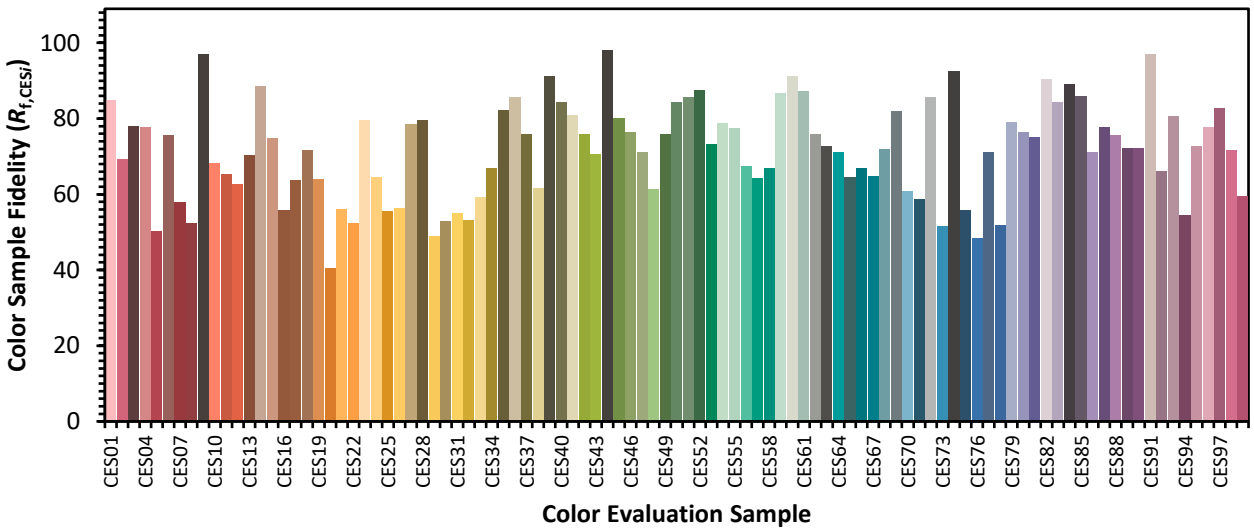


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Individual Sample Fidelity Index ($R_{f,i}$)

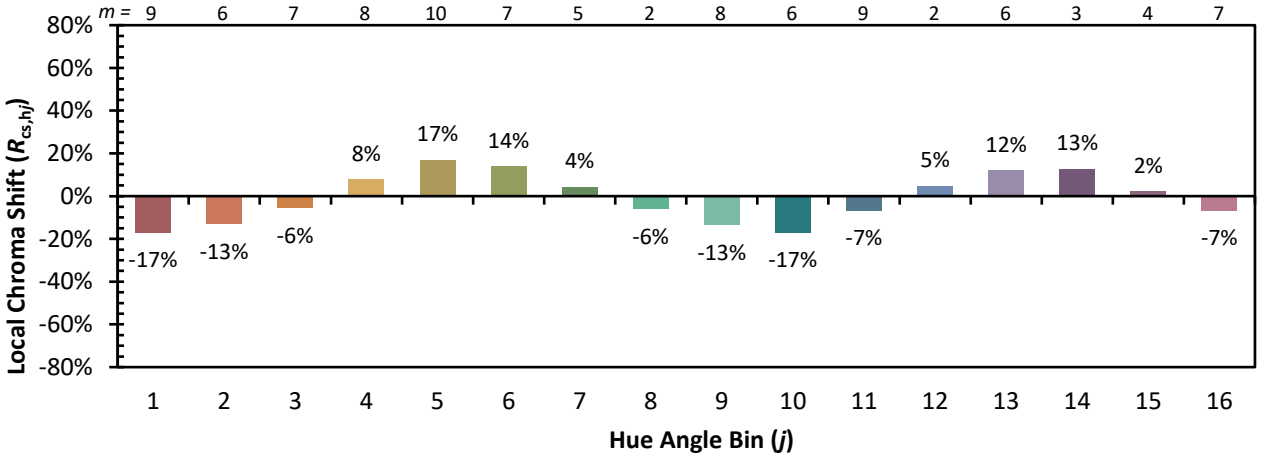
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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	

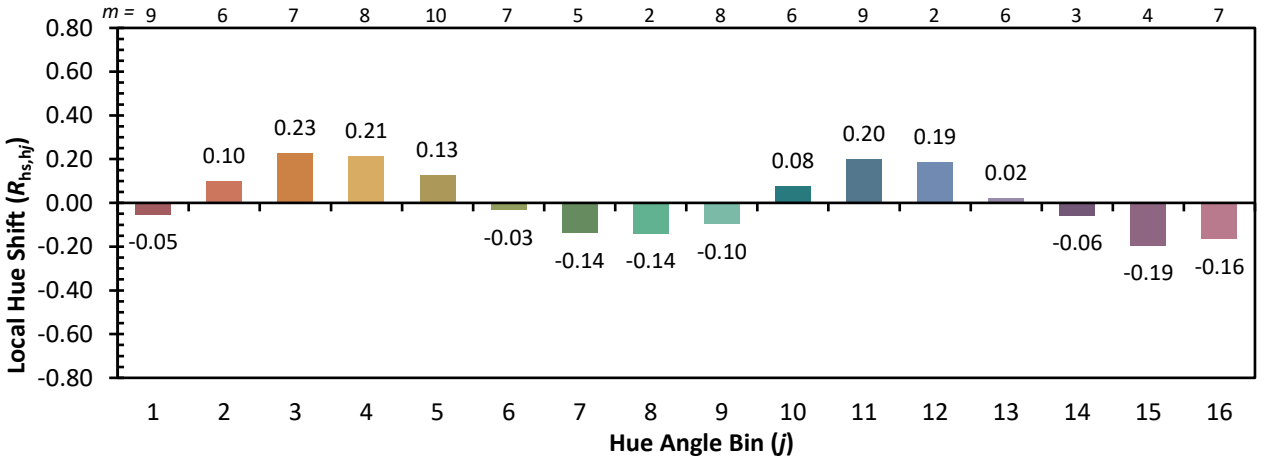


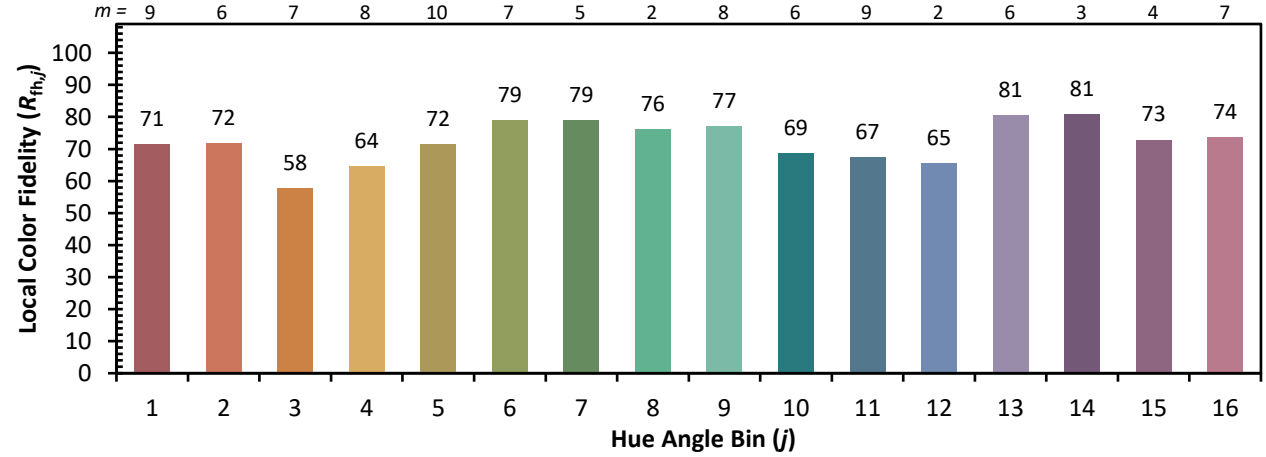
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Color Rendition by Hue-Angle Bin



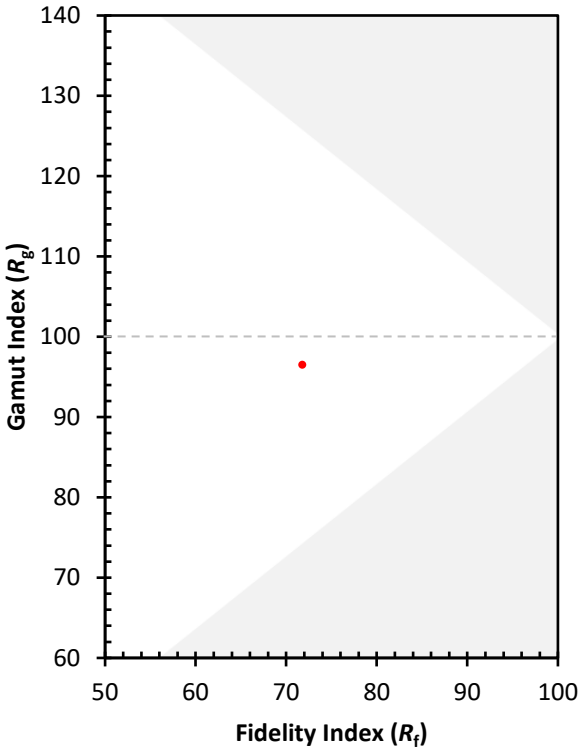


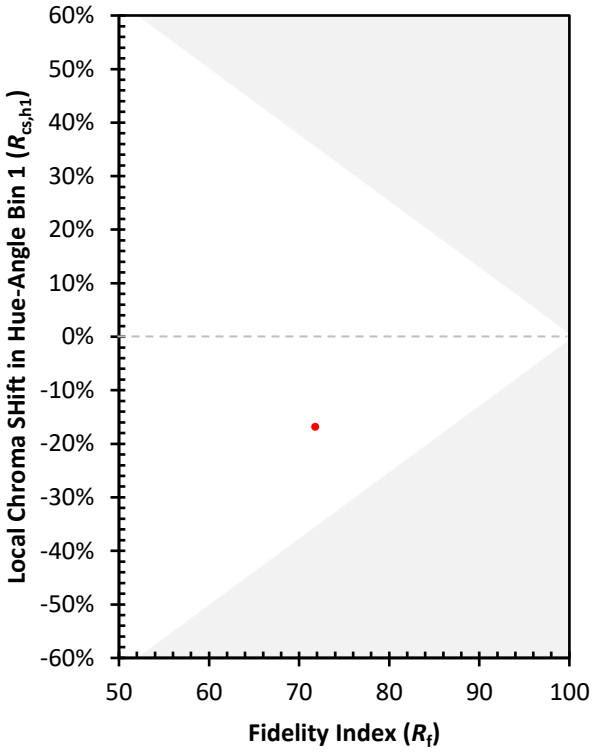


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Measure Comparisons





(END OF REPORT)