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: P1364519

Luminaire Tested: **GSS-SB5A-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:	P1364519
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-740-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17395.9 lumens
Efficiency:	N/A
Efficacy:	121.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

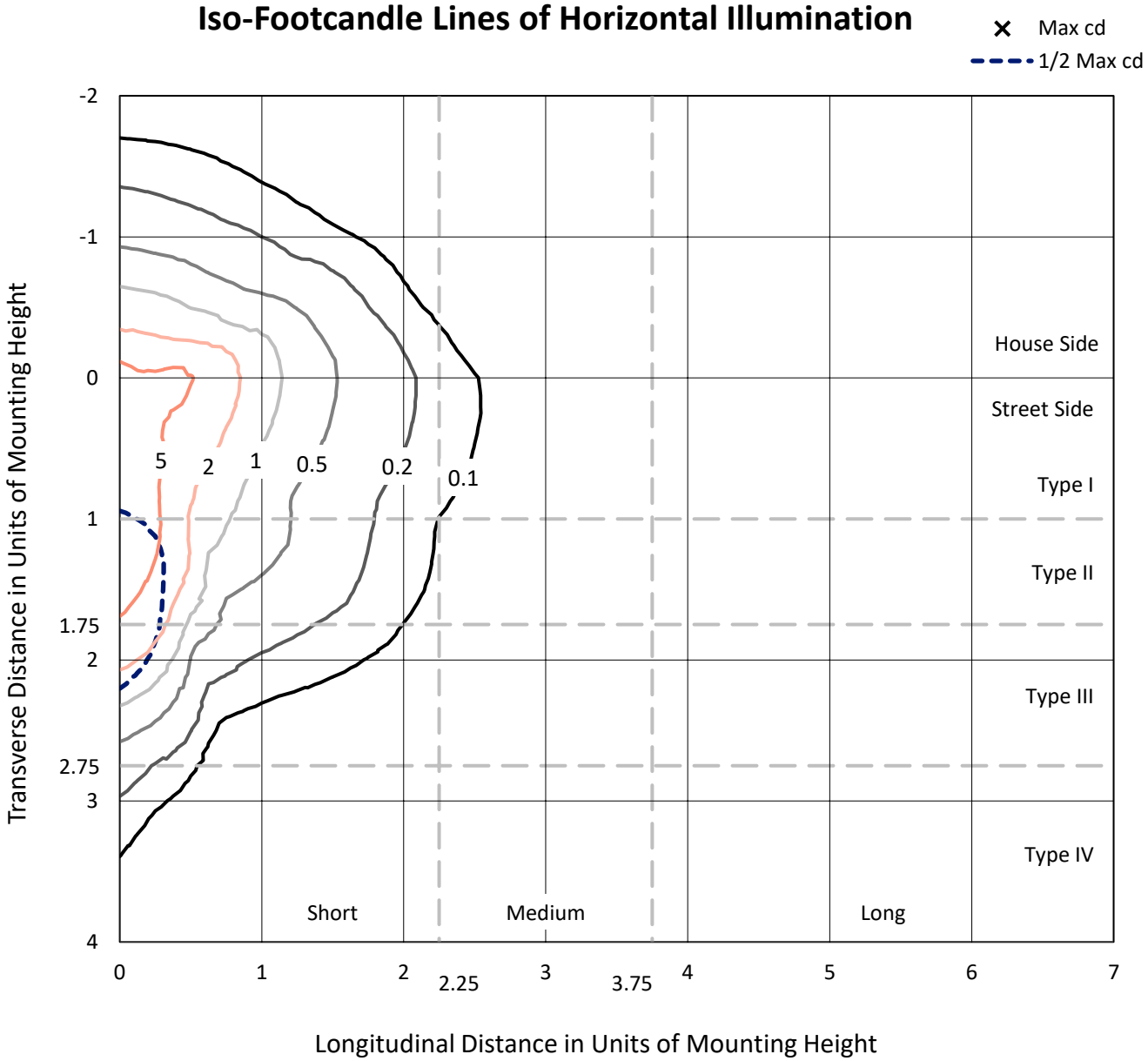
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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CATALOG NUMBER: GSS-SB5A-740-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



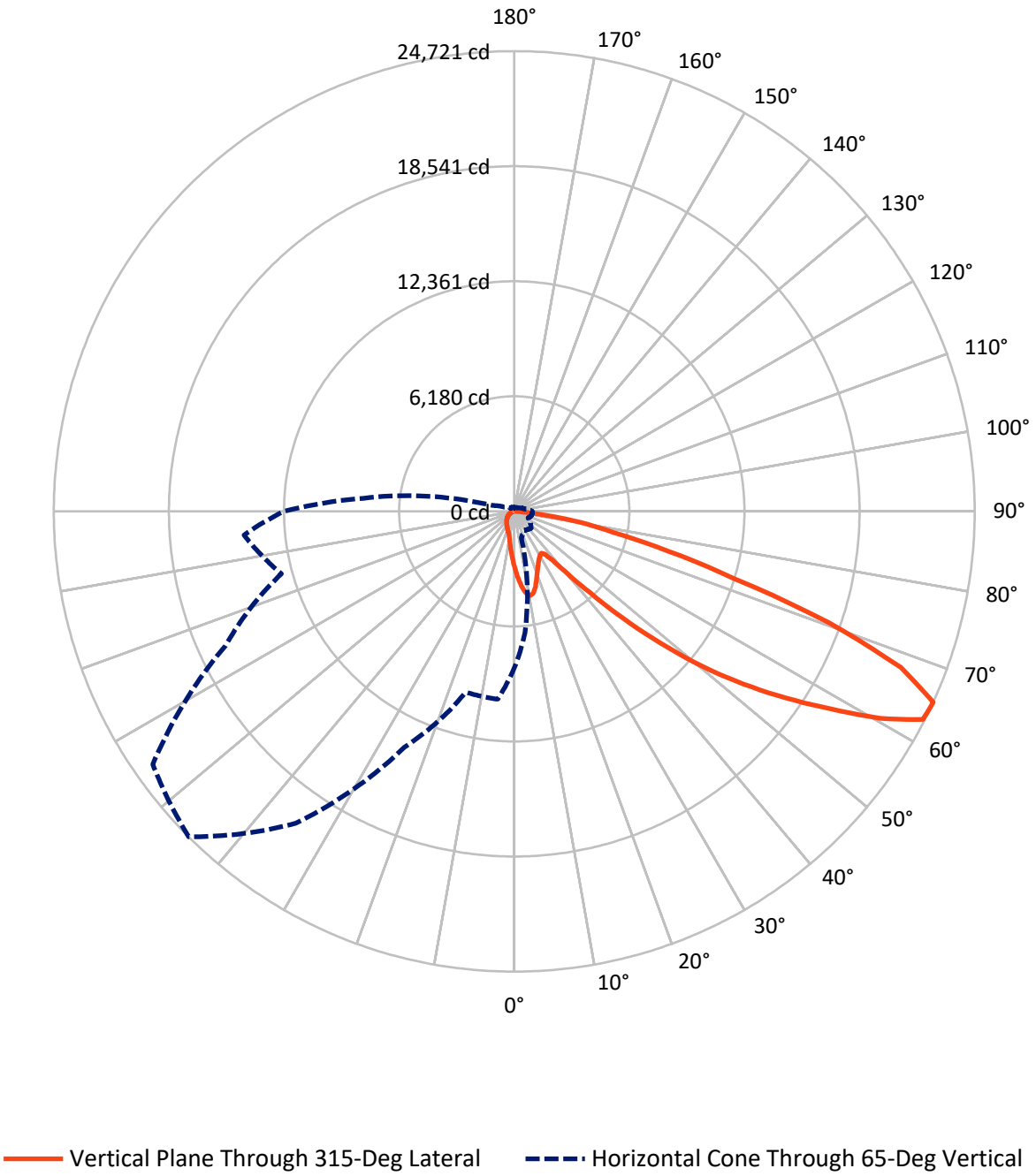
Based on 20 foot mounting height. Maximum calculated value = 9.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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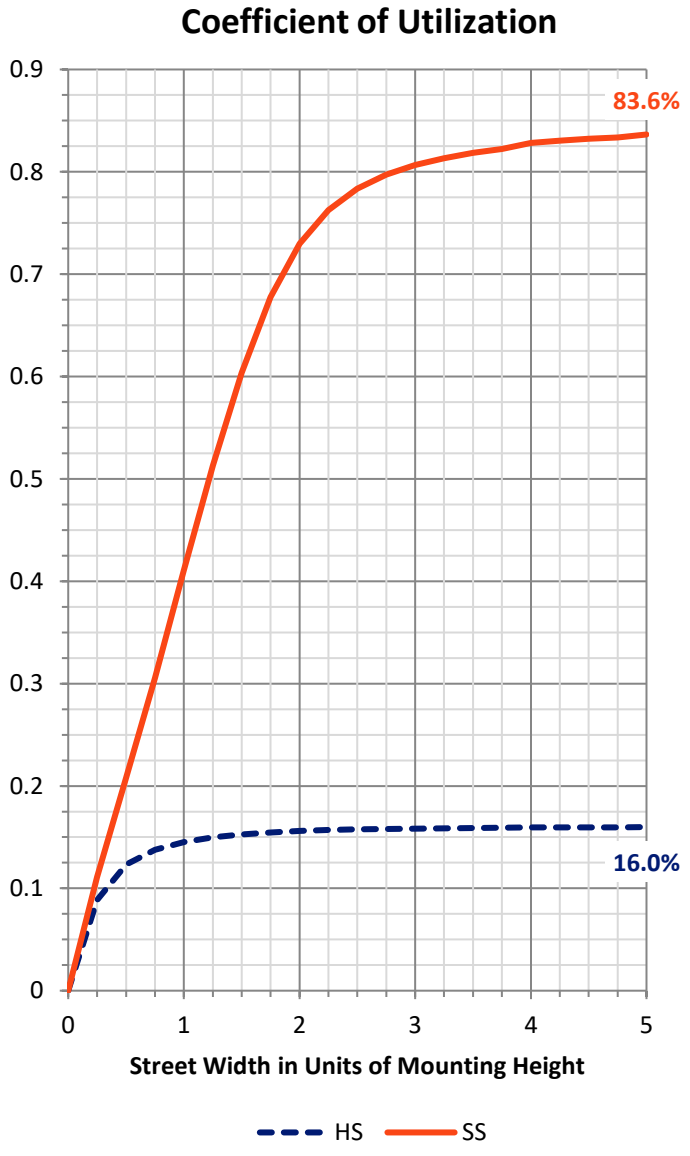
REPORT NUMBER: P1364519
CATALOG NUMBER: GSS-SB5A-740-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2812.1	0.0	2812.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	14583.7	0.0	14583.7
	% Fixture	83.8	0.0	83.8
Total	Lumens	17395.9	0.0	17395.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.0	1.7
10°-20°	799.3	4.6
20°-30°	1144.9	6.6
30°-40°	1436.0	8.3
40°-50°	2358.9	13.6
50°-60°	4256.8	24.5
60°-70°	4724.2	27.2
70°-80°	2134.4	12.3
80°-90°	252.4	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°	17395.9	100.0
0°-180°	17395.9	100.0



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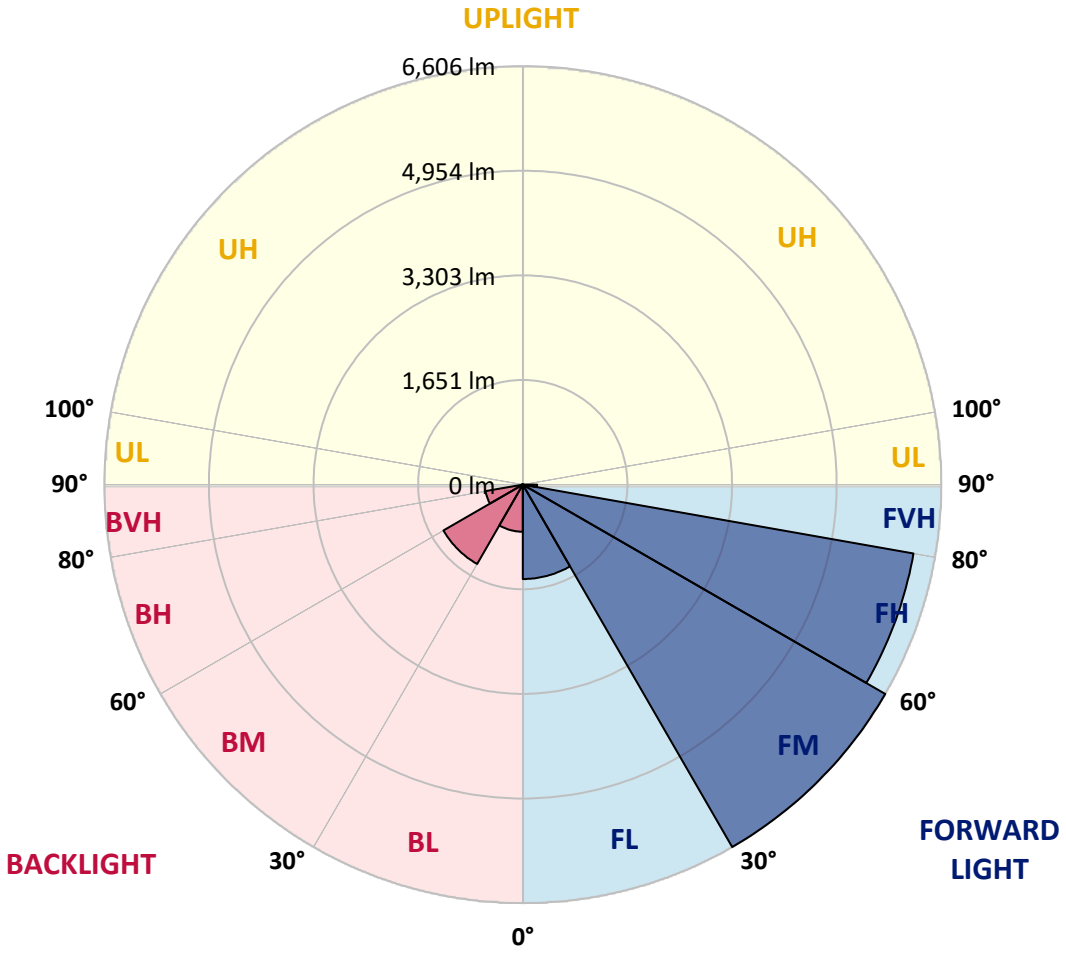
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1490.1	8.6			
FM	(30°-60°)	6605.7	38.0			
FH	(60°-80°)	6261.4	36.0			G3/7500
FVH	(80°-90°)	226.6	1.3			G3/500
BL	(0°-30°)	743.1	4.3	B2/1000		
BM	(30°-60°)	1446.0	8.3	B2/2500		
BH	(60°-80°)	597.2	3.4	B2/1000		G2/1000
BVH	(80°-90°)	25.8	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°	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4
2.5°	3392.0	3388.8	3376.0	3295.8	3215.7	3146.3	3076.8	3007.4	2911.2	2836.4	2772.3
5°	3712.5	3695.4	3627.0	3504.2	3370.6	3253.1	3119.6	2991.4	2847.1	2729.6	2606.8
7.5°	3931.5	3914.4	3846.0	3643.0	3440.1	3295.8	3151.6	3018.1	2857.8	2702.9	2526.6
10°	4033.0	4013.8	3936.8	3717.8	3482.8	3306.5	3162.3	3039.4	2905.9	2751.0	2532.0
12.5°	4102.4	4078.9	3984.9	3733.9	3493.5	3317.2	3167.6	3050.1	2954.0	2863.2	2649.5
15°	4145.2	4123.8	4038.3	3776.6	3498.8	3301.2	3124.9	3012.7	2980.7	2996.7	2895.2
17.5°	4209.3	4189.0	4107.8	3830.0	3530.9	3274.5	3034.1	2911.2	2980.7	3124.9	3156.9
20°	4294.7	4273.4	4187.9	3899.4	3557.6	3194.3	2863.2	2745.6	2921.9	3162.3	3327.9
22.5°	4390.9	4373.8	4305.4	3979.6	3584.3	3076.8	2638.8	2585.4	2799.1	3055.5	3269.1
25°	4508.4	4492.4	4428.3	4091.7	3611.0	2916.6	2446.5	2457.2	2638.8	2841.8	3060.8
27.5°	4668.7	4653.7	4593.9	4230.6	3643.0	2751.0	2291.6	2345.0	2478.6	2617.4	2751.0
30°	4844.9	4833.2	4786.2	4396.2	3707.1	2596.1	2200.8	2232.8	2323.6	2435.8	2515.9
32.5°	5085.3	5066.1	4989.2	4551.1	3701.8	2478.6	2158.1	2126.0	2152.7	2243.5	2323.6
35°	5384.4	5369.5	5309.7	4711.4	3605.7	2371.7	2136.7	2024.5	2008.5	2061.9	2142.0
37.5°	5822.5	5809.6	5758.4	4973.1	3456.1	2238.2	2083.3	1917.7	1864.3	1901.6	1955.1
40°	6479.5	6446.4	6313.9	5272.3	3290.5	2104.6	1987.1	1789.5	1714.7	1741.4	1800.2
42.5°	7371.6	7308.5	7056.4	5672.9	3066.1	1976.4	1842.9	1661.3	1581.1	1597.2	1650.6
45°	8514.7	8419.6	8039.3	6223.1	2831.1	1874.9	1693.3	1527.7	1442.3	1458.3	1517.0
47.5°	9850.1	9719.8	9198.4	6800.0	2580.0	1816.2	1575.8	1394.2	1330.1	1367.5	1426.2
50°	11425.9	11294.5	10768.9	7168.6	2377.1	1778.8	1485.0	1271.3	1244.6	1292.7	1340.8
52.5°	13145.9	12959.0	12211.1	6933.5	2211.5	1746.7	1452.9	1185.9	1196.5	1233.9	1282.0
55°	14817.9	14402.3	12740.0	6153.6	1997.8	1709.3	1474.3	1121.8	1148.5	1196.5	1233.9
57.5°	15907.6	15185.4	12296.6	4957.1	1773.4	1666.6	1490.3	1089.7	1111.1	1164.5	1207.2
60°	14956.8	14230.3	11324.4	3712.5	1581.1	1575.8	1463.6	1079.0	1047.0	1121.8	1159.2
62.5°	12253.9	11655.6	9262.5	2371.7	1399.5	1404.9	1404.9	1073.7	940.1	1036.3	1068.3
65°	*8418.5*	*8044.6*	*6548.9*	*1469.0*	*1143.1*	*1196.5*	*1276.7*	*1041.6*	*828.0*	*940.1*	*972.2*
67.5°	5534.0	5259.4	4161.2	908.1	881.4	982.9	1105.7	977.5	742.5	844.0	865.4
70°	3002.0	2793.7	1960.4	598.3	576.9	769.2	870.7	828.0	667.7	753.2	774.5
72.5°	1981.8	1810.8	1127.1	422.0	422.0	603.6	609.0	678.4	598.3	667.7	689.1
75°	1490.3	1337.6	726.5	293.8	325.8	384.6	475.4	486.1	502.1	566.2	592.9
77.5°	683.7	600.4	267.1	176.3	240.4	267.1	363.2	309.8	373.9	422.0	432.7
80°	395.3	346.1	149.6	117.5	154.9	170.9	299.1	181.6	224.4	299.1	315.2
82.5°	165.6	147.4	74.8	80.1	96.2	101.5	165.6	128.2	144.2	197.6	192.3
85°	48.1	48.1	48.1	53.4	58.8	58.8	96.2	90.8	85.5	90.8	90.8
87.5°	32.1	32.1	32.1	32.1	37.4	37.4	42.7	48.1	53.4	53.4	53.4
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°	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4
2.5°	2745.6	2708.2	2660.2	2590.7	2580.0	2542.7	2515.9	2542.7	2569.4	2617.4	2622.8
5°	2542.7	2483.9	2371.7	2286.3	2190.1	2142.0	2136.7	2126.0	2158.1	2227.5	2270.2
7.5°	2430.5	2334.3	2131.3	1981.8	1848.2	1800.2	1762.8	1794.8	1789.5	1880.3	1917.7
10°	2403.8	2254.2	1971.1	1746.7	1581.1	1517.0	1479.7	1474.3	1485.0	1538.4	1575.8
12.5°	2499.9	2307.6	1907.0	1575.8	1383.5	1314.1	1271.3	1233.9	1233.9	1244.6	1292.7
15°	2713.6	2483.9	1944.4	1495.7	1287.4	1196.5	1127.1	1079.0	1041.6	1047.0	1052.3
17.5°	3012.7	2740.3	2040.5	1469.0	1228.6	1132.4	1047.0	998.9	956.2	945.5	945.5
20°	3247.8	2986.0	2115.3	1447.6	1180.5	1057.7	982.9	940.1	902.7	886.7	886.7
22.5°	3274.5	3087.5	2179.4	1420.9	1121.8	982.9	913.4	876.0	849.3	844.0	844.0
25°	3098.2	3007.4	2158.1	1388.8	1063.0	913.4	860.0	828.0	801.3	795.9	801.3
27.5°	2804.4	2756.3	2083.3	1346.1	1014.9	860.0	811.9	785.2	758.5	753.2	758.5
30°	2542.7	2489.2	1955.1	1276.7	977.5	817.3	763.9	737.2	710.4	710.4	715.8
32.5°	2329.0	2275.6	1826.9	1196.5	929.5	769.2	721.1	694.4	667.7	667.7	678.4
35°	2136.7	2093.9	1725.4	1116.4	881.4	726.5	673.1	651.7	630.3	625.0	635.7
37.5°	1971.1	1949.7	1634.6	1030.9	833.3	683.7	635.7	614.3	587.6	582.2	592.9
40°	1810.8	1800.2	1533.1	956.2	774.5	641.0	592.9	571.6	539.5	539.5	550.2
42.5°	1661.3	1655.9	1442.3	908.1	721.1	598.3	544.9	523.5	496.8	496.8	507.5
45°	1543.8	1538.4	1356.8	881.4	667.7	550.2	502.1	475.4	454.0	459.4	470.1
47.5°	1436.9	1426.2	1266.0	886.7	641.0	518.1	454.0	427.3	411.3	422.0	438.0
50°	1351.5	1340.8	1201.9	892.1	598.3	475.4	416.7	389.9	379.3	395.3	411.3
52.5°	1298.0	1287.4	1137.8	860.0	544.9	443.4	379.3	363.2	363.2	379.3	389.9
55°	1244.6	1233.9	1030.9	790.6	486.1	411.3	352.6	341.9	341.9	357.9	368.6
57.5°	1212.6	1191.2	918.8	710.4	438.0	373.9	325.8	325.8	325.8	331.2	336.5
60°	1164.5	1111.1	801.3	609.0	400.6	336.5	304.5	299.1	299.1	293.8	299.1
62.5°	1063.0	972.2	673.1	518.1	357.9	304.5	277.8	272.4	256.4	240.4	245.7
65°	*961.5*	*822.6*	*534.2*	*432.7*	*309.8*	*261.7*	*245.7*	*240.4*	*213.7*	*192.3*	*197.6*
67.5°	833.3	657.0	400.6	363.2	267.1	224.4	208.3	208.3	192.3	176.3	176.3
70°	742.5	512.8	336.5	272.4	213.7	176.3	176.3	187.0	170.9	149.6	149.6
72.5°	657.0	416.7	272.4	219.0	165.6	138.9	149.6	154.9	138.9	122.9	122.9
75°	560.9	325.8	213.7	170.9	122.9	106.8	112.2	122.9	112.2	96.2	101.5
77.5°	406.0	224.4	144.2	112.2	90.8	80.1	85.5	85.5	80.1	74.8	74.8
80°	283.1	149.6	96.2	74.8	64.1	58.8	58.8	53.4	53.4	58.8	58.8
82.5°	170.9	106.8	69.4	58.8	48.1	37.4	37.4	42.7	42.7	48.1	48.1
85°	74.8	64.1	48.1	42.7	32.1	26.7	32.1	32.1	37.4	42.7	42.7
87.5°	48.1	48.1	37.4	32.1	26.7	21.4	21.4	26.7	26.7	32.1	37.4
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°	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4
2.5°	2644.1	2697.6	2761.7	2852.5	2932.6	3028.7	3124.9	3215.7	3301.2	3311.9	3349.3
5°	2302.3	2403.8	2532.0	2681.5	2863.2	3055.5	3242.4	3440.1	3600.3	3659.1	3744.5
7.5°	1949.7	2077.9	2264.9	2494.6	2751.0	3039.4	3327.9	3605.7	3846.0	3958.2	4070.4
10°	1613.2	1736.1	1965.7	2243.5	2574.7	2964.6	3349.3	3723.2	4017.0	4145.2	4252.0
12.5°	1308.7	1431.6	1618.5	1939.0	2339.7	2809.7	3317.2	3765.9	4091.7	4225.3	4326.8
15°	1068.3	1169.8	1346.1	1645.2	2067.2	2596.1	3205.0	3733.9	4107.8	4236.0	4310.8
17.5°	940.1	966.8	1079.0	1351.5	1810.8	2403.8	3060.8	3691.1	4118.5	4236.0	4278.7
20°	886.7	886.7	908.1	1052.3	1501.0	2200.8	2954.0	3664.4	4134.5	4252.0	4246.7
22.5°	838.6	849.3	849.3	881.4	1143.1	1917.7	2841.8	3653.7	4182.6	4273.4	4198.6
25°	795.9	811.9	811.9	822.6	897.4	1581.1	2702.9	3675.1	4268.0	4316.1	4166.5
27.5°	758.5	774.5	774.5	785.2	801.3	1175.2	2473.2	3680.4	4364.2	4369.5	4123.8
30°	721.1	737.2	747.8	747.8	758.5	865.4	2184.8	3648.4	4471.0	4439.0	4118.5
32.5°	678.4	699.8	705.1	715.8	721.1	753.2	1810.8	3595.0	4604.6	4535.1	4123.8
35°	641.0	667.7	673.1	673.1	683.7	715.8	1447.6	3536.2	4786.2	4663.3	4145.2
37.5°	603.6	625.0	630.3	635.7	646.3	678.4	1148.5	3450.7	4941.1	4823.6	4252.0
40°	560.9	587.6	592.9	598.3	609.0	641.0	988.2	3343.9	5176.1	5090.6	4412.3
42.5°	518.1	544.9	555.5	560.9	566.2	609.0	902.7	3269.1	5555.4	5464.6	4738.1
45°	480.8	507.5	518.1	518.1	528.8	587.6	828.0	3434.7	6078.9	6036.1	5176.1
47.5°	448.7	475.4	480.8	480.8	486.1	555.5	763.9	3878.1	6880.1	6767.9	5859.9
50°	422.0	443.4	454.0	443.4	448.7	528.8	801.3	4609.9	7905.7	7943.1	6864.1
52.5°	400.6	422.0	427.3	406.0	406.0	491.4	849.3	5208.2	9214.4	9556.3	8455.9
55°	373.9	395.3	400.6	373.9	373.9	432.7	737.2	5245.6	10704.8	11805.2	10528.5
57.5°	347.2	368.6	368.6	347.2	341.9	373.9	598.3	4652.6	11858.6	14353.2	13365.0
60°	315.2	336.5	331.2	320.5	309.8	341.9	550.2	3546.9	11703.7	16014.4	16618.1
62.5°	256.4	288.5	299.1	293.8	272.4	309.8	512.8	2313.0	10127.9	14572.2	16516.6
65°	*213.7*	*240.4*	*256.4*	*256.4*	*240.4*	*341.9*	*448.7*	*1217.9*	*8108.7*	*12366.1*	*14561.5*
67.5°	187.0	213.7	224.4	219.0	208.3	304.5	283.1	587.6	6217.7	10656.7	13033.8
70°	165.6	187.0	197.6	181.6	170.9	245.7	203.0	347.2	4161.2	8893.9	11607.5
72.5°	133.5	154.9	165.6	149.6	133.5	181.6	154.9	229.7	2708.2	7579.9	10314.8
75°	106.8	128.2	133.5	122.9	106.8	133.5	122.9	160.3	1768.1	6271.2	8771.1
77.5°	80.1	90.8	101.5	96.2	80.1	96.2	85.5	112.2	1009.6	4401.6	6153.6
80°	64.1	69.4	69.4	69.4	64.1	58.8	58.8	74.8	454.0	2168.7	3210.4
82.5°	53.4	58.8	58.8	53.4	48.1	42.7	37.4	42.7	133.5	972.2	1479.7
85°	48.1	53.4	42.7	37.4	32.1	26.7	16.0	16.0	37.4	154.9	288.5
87.5°	37.4	32.1	26.7	21.4	10.7	5.3	5.3	0.0	5.3	5.3	5.3
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: P1364519
CATALOG NUMBER: GSS-SB5A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4
2.5°	3408.0	3461.4	3498.8	3530.9	3520.2	3493.5	3440.1	3402.7	3394.1	3392.0
5°	3856.7	3942.2	4017.0	4006.3	4017.0	3936.8	3856.7	3760.6	3722.1	3712.5
7.5°	4230.6	4337.5	4428.3	4417.6	4385.5	4294.7	4161.2	4017.0	3948.6	3931.5
10°	4433.6	4556.5	4631.3	4604.6	4551.1	4433.6	4300.1	4129.1	4052.2	4033.0
12.5°	4471.0	4551.1	4535.1	4524.4	4513.7	4455.0	4353.5	4198.6	4121.7	4102.4
15°	4374.9	4342.8	4252.0	4230.6	4310.8	4385.5	4364.2	4236.0	4163.3	4145.2
17.5°	4214.6	4049.0	3883.4	3862.1	3995.6	4203.9	4369.5	4294.7	4226.4	4209.3
20°	4038.3	3728.5	3546.9	3509.5	3675.1	3984.9	4310.8	4353.5	4306.5	4294.7
22.5°	3830.0	3466.8	3274.5	3253.1	3376.0	3739.2	4225.3	4417.6	4396.2	4390.9
25°	3648.4	3237.1	3055.5	3023.4	3183.7	3536.2	4139.8	4524.4	4511.6	4508.4
27.5°	3498.8	3071.5	2879.2	2857.8	3012.7	3365.3	4033.0	4615.2	4658.0	4668.7
30°	3381.3	2948.6	2756.3	2729.6	2900.5	3247.8	3958.2	4743.4	4824.6	4844.9
32.5°	3290.5	2879.2	2697.6	2681.5	2863.2	3199.7	3915.5	4877.0	5043.6	5085.3
35°	3258.4	2900.5	2777.7	2815.1	2954.0	3247.8	3947.5	5096.0	5326.8	5384.4
37.5°	3327.9	3135.6	3221.1	3317.2	3370.6	3477.5	4097.1	5448.5	5747.7	5822.5
40°	3552.2	3765.9	4166.5	4353.5	4332.1	4086.4	4439.0	5945.3	6372.7	6479.5
42.5°	4123.8	4818.2	5667.6	5982.7	5801.1	5058.6	4983.8	6762.6	7249.8	7371.6
45°	4973.1	6089.5	7483.7	8194.2	7569.2	6292.5	5843.8	7927.1	8397.2	8514.7
47.5°	5822.5	7510.4	9727.3	10571.2	9342.6	7515.8	6970.9	9321.3	9744.3	9850.1
50°	6687.8	9080.9	11965.4	13092.5	11110.8	8760.4	8167.5	11041.3	11349.0	11425.9
52.5°	7579.9	10485.8	14433.3	15405.5	12959.0	9721.9	9534.9	12916.3	13100.0	13145.9
55°	8573.4	11815.9	16906.5	17691.7	14641.6	10560.6	11137.5	14876.7	14829.7	14817.9
57.5°	9898.2	13215.4	18899.0	19994.0	16169.4	11693.0	13279.5	17056.1	16137.3	15907.6
60°	12211.1	15389.5	21377.5	22568.7	18215.2	13348.9	14855.3	17008.0	15367.0	14956.8
62.5°	14892.7	17483.4	23621.0	24625.3	20367.9	14994.2	13600.0	14283.7	12659.8	12253.9
65°	12937.6	17114.8	23690.5	24721.4	20448.1	13989.9	10053.1	10127.9	8760.4	8418.5
67.5°	11009.3	15170.5	21575.2	22387.1	18241.9	11564.8	6666.5	6607.7	5748.7	5534.0
70°	9802.0	13290.2	18594.5	17894.7	15336.0	9775.3	4428.3	3669.8	3135.6	3002.0
72.5°	8808.5	10544.5	15069.0	12334.0	12723.9	7953.8	2815.1	2499.9	2085.4	1981.8
75°	7975.2	8723.0	9401.4	8525.4	9038.2	6554.3	2387.7	1928.4	1577.9	1490.3
77.5°	6345.9	6789.3	5566.1	5405.8	6329.9	4663.3	1185.9	811.9	709.4	683.7
80°	3776.6	3210.4	3156.9	3600.3	4214.6	2419.8	726.5	448.7	406.0	395.3
82.5°	2286.3	1159.2	1260.6	1591.8	2243.5	1100.4	432.7	192.3	170.9	165.6
85°	384.6	315.2	486.1	464.7	438.0	235.0	117.5	53.4	49.1	48.1
87.5°	10.7	16.0	21.4	26.7	26.7	26.7	26.7	26.7	31.0	32.1
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

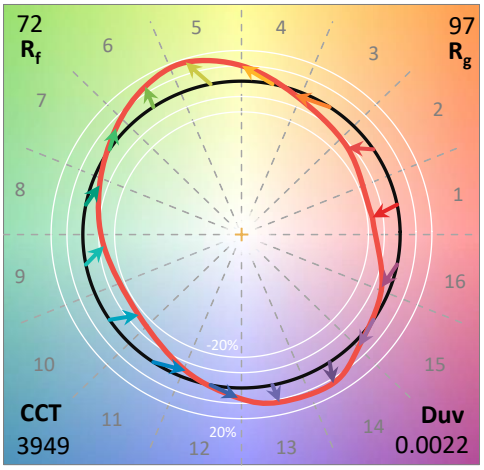
Test Information

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

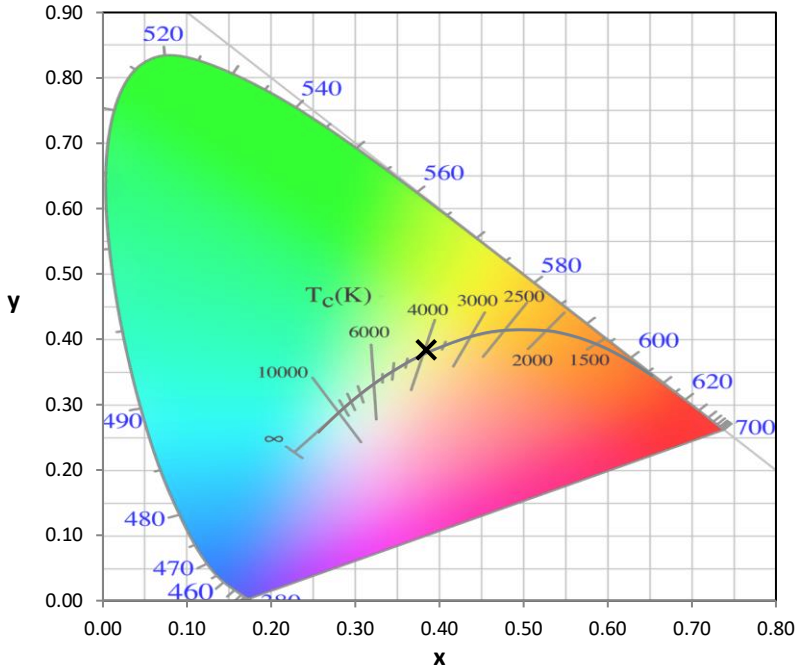
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

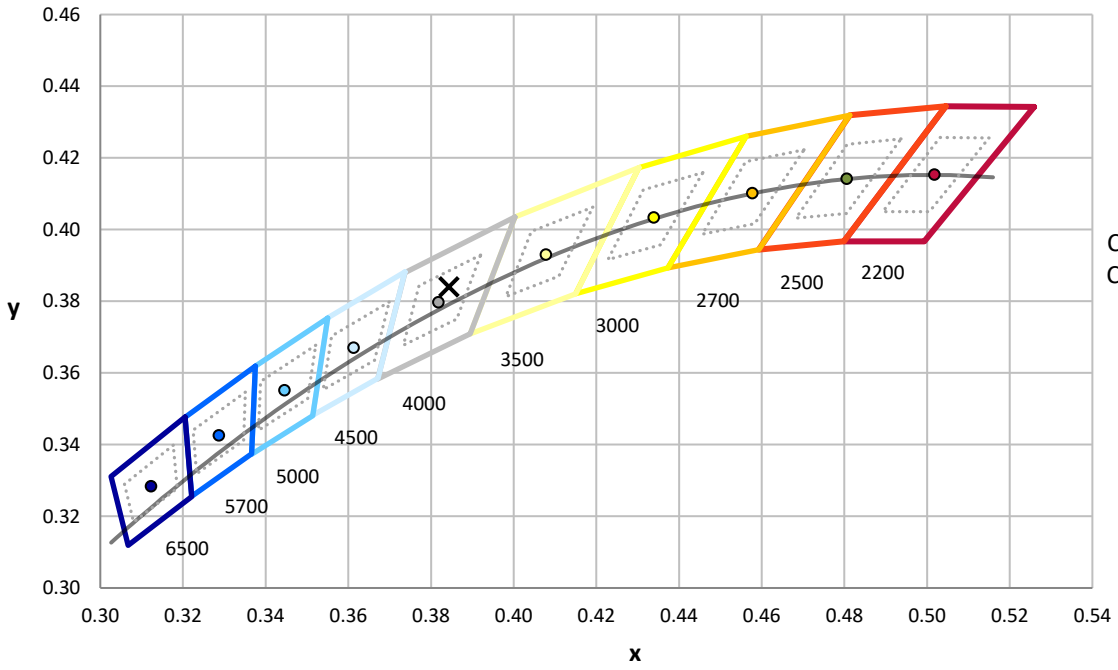
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

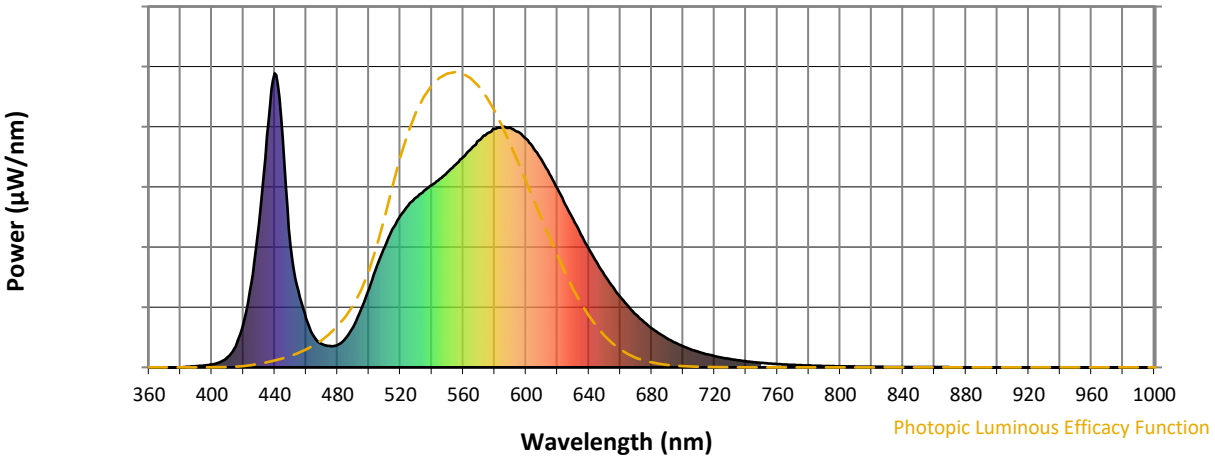


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

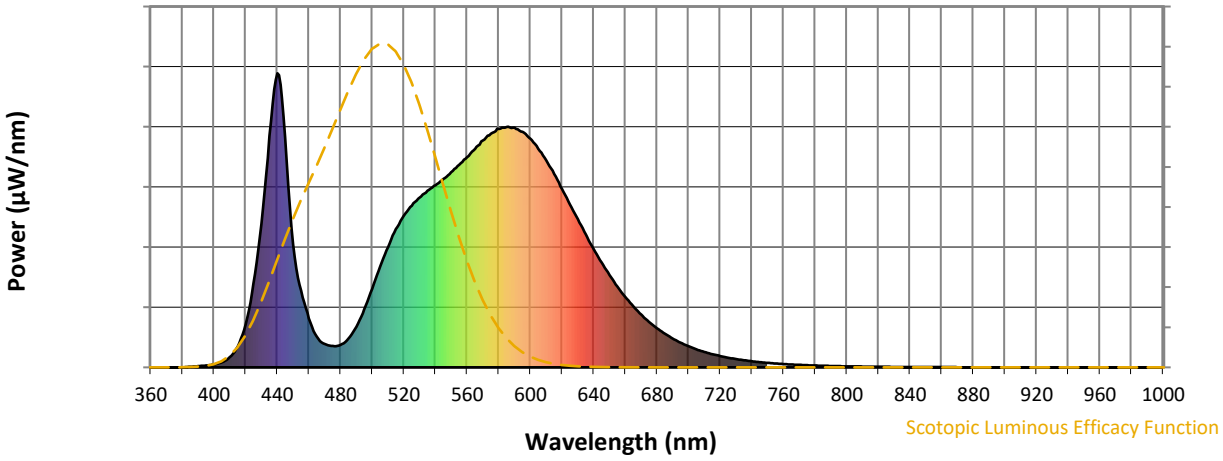


Photopic Lumens: NR

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

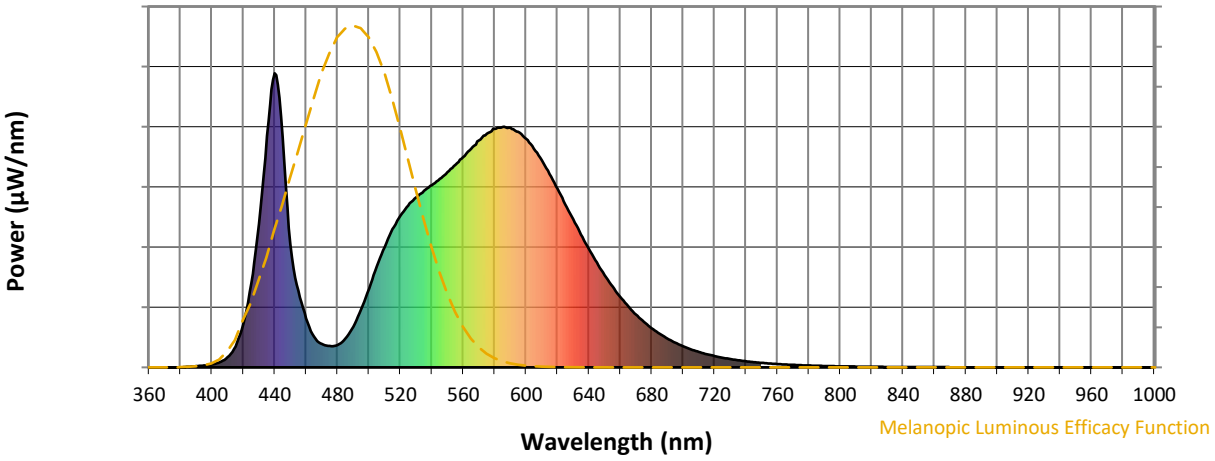


Scotopic Lumens: NR **S/P: 1.47**

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			

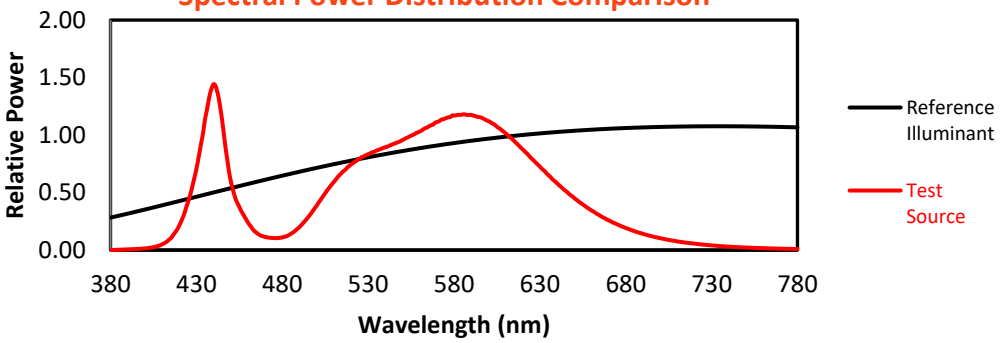
REPORT NUMBER: SP1-2407-184-1

TM-30-18

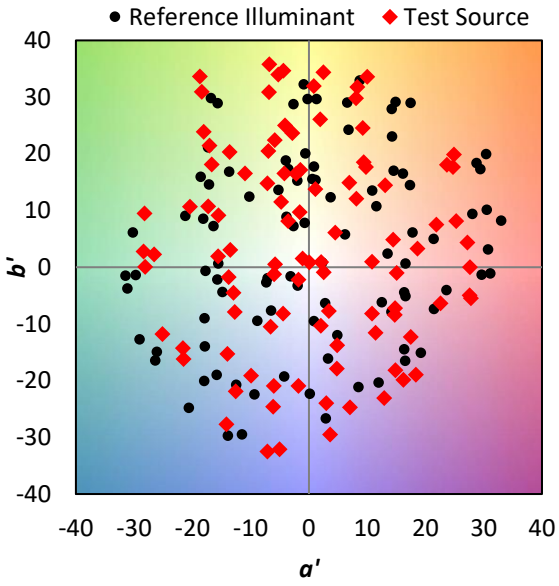
Summary

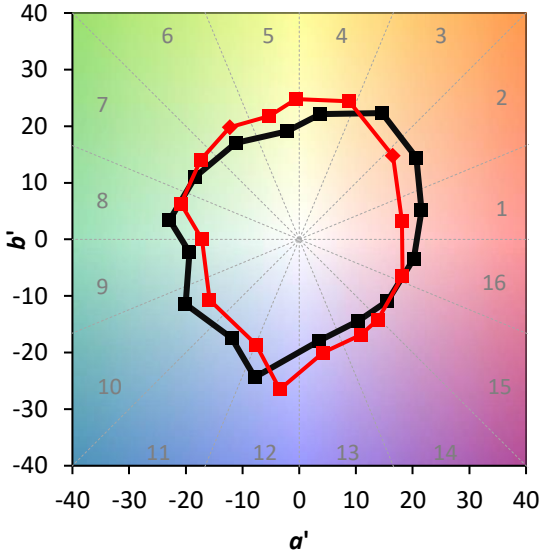
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

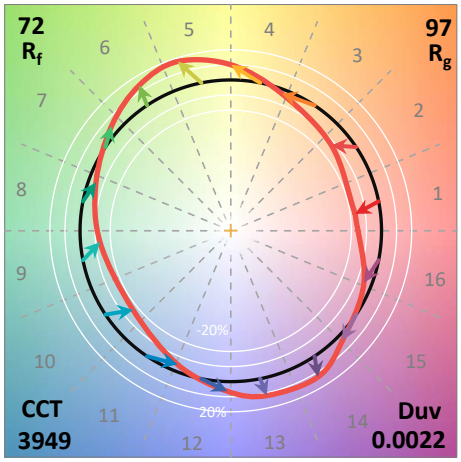
Spectral Power Distribution Comparison

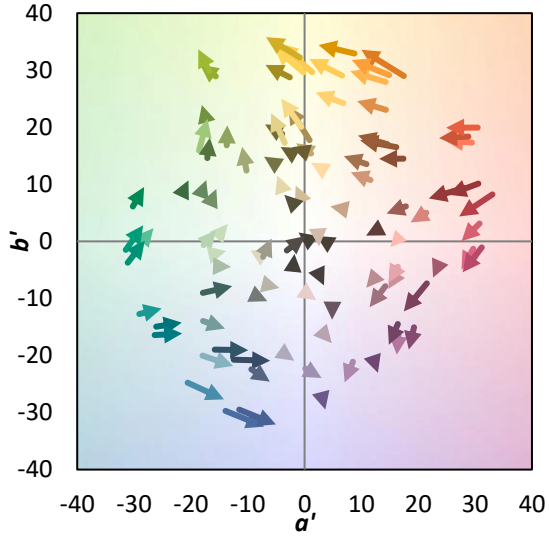


Color Vector Graphics







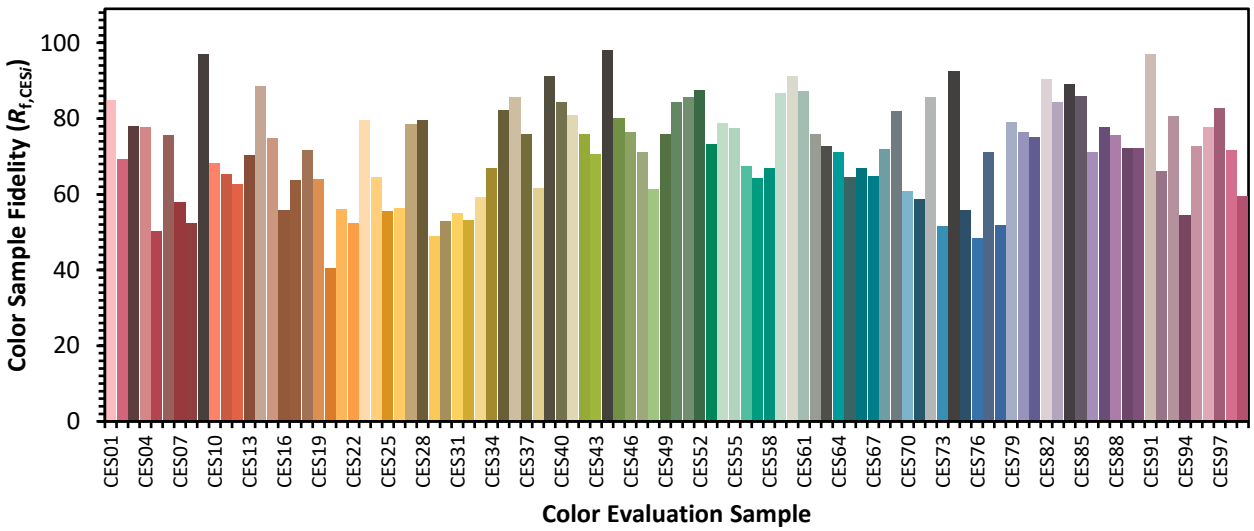


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

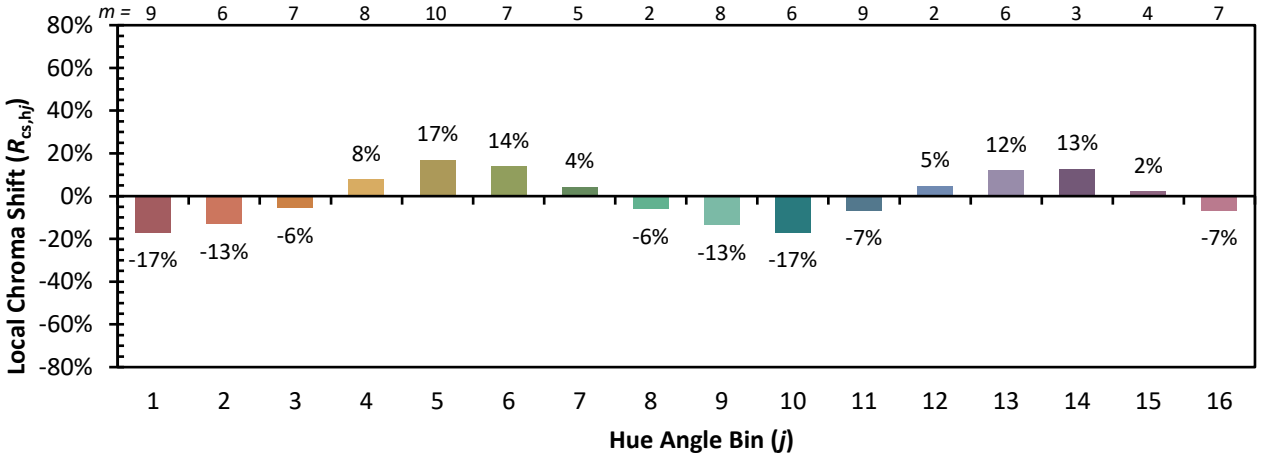
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57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

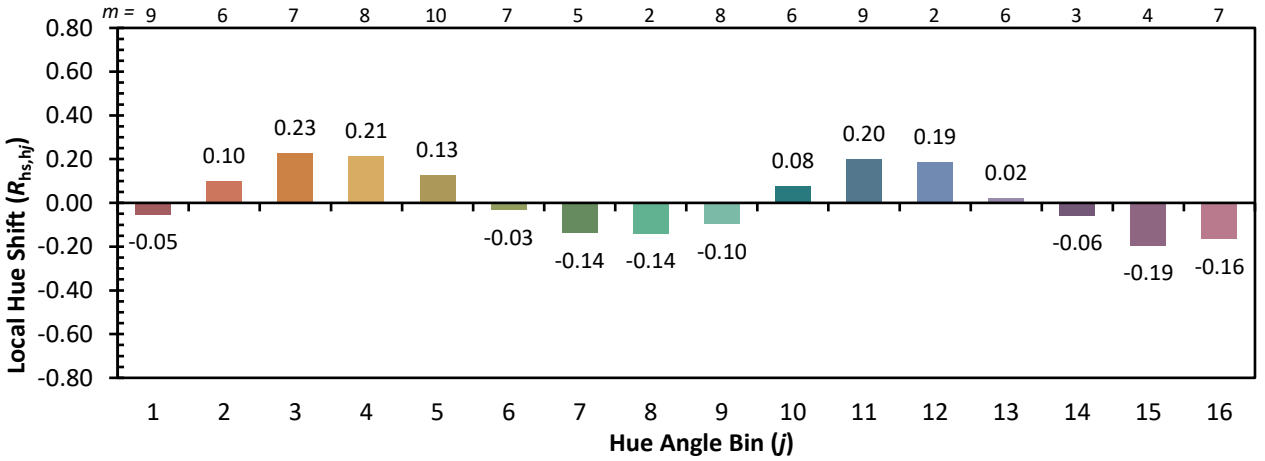


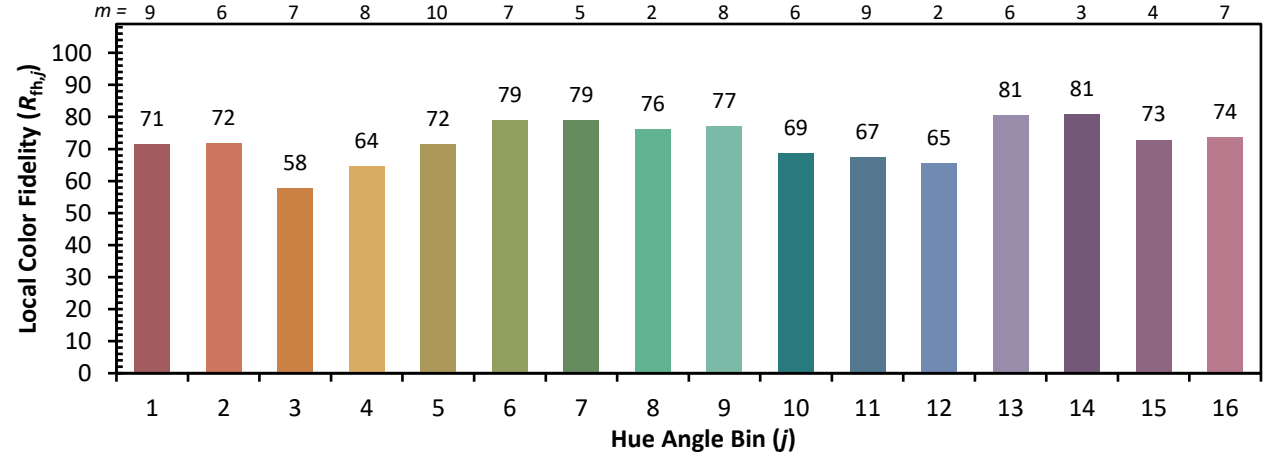
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



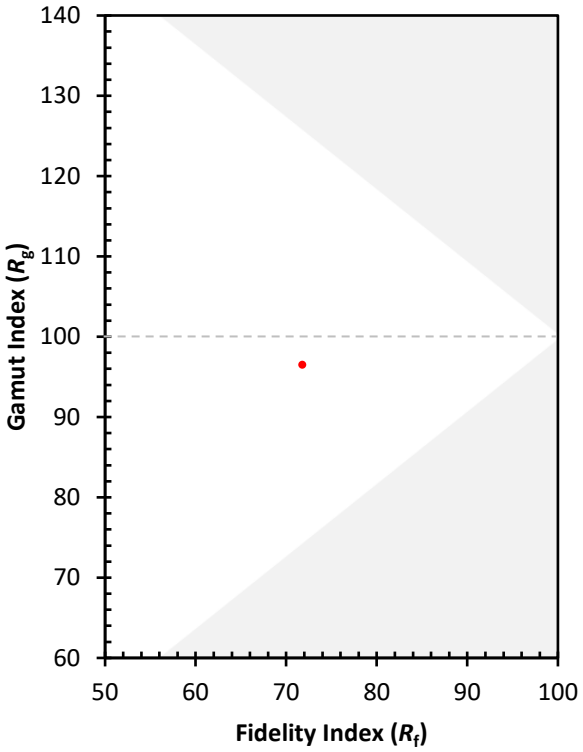


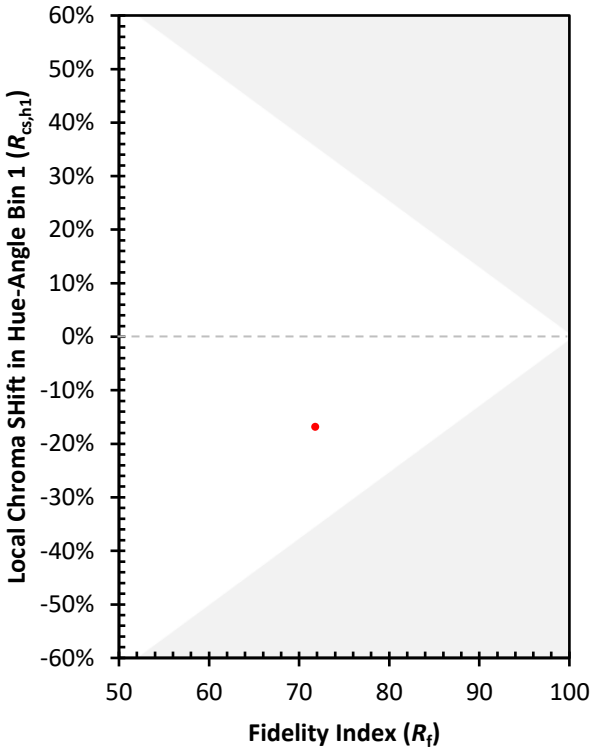


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





(END OF REPORT)