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: P1365287

Luminaire Tested: **GSS-SB5A-740-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:	P1365287
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-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC 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:	17407.6 lumens
Efficiency:	N/A
Efficacy:	121.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

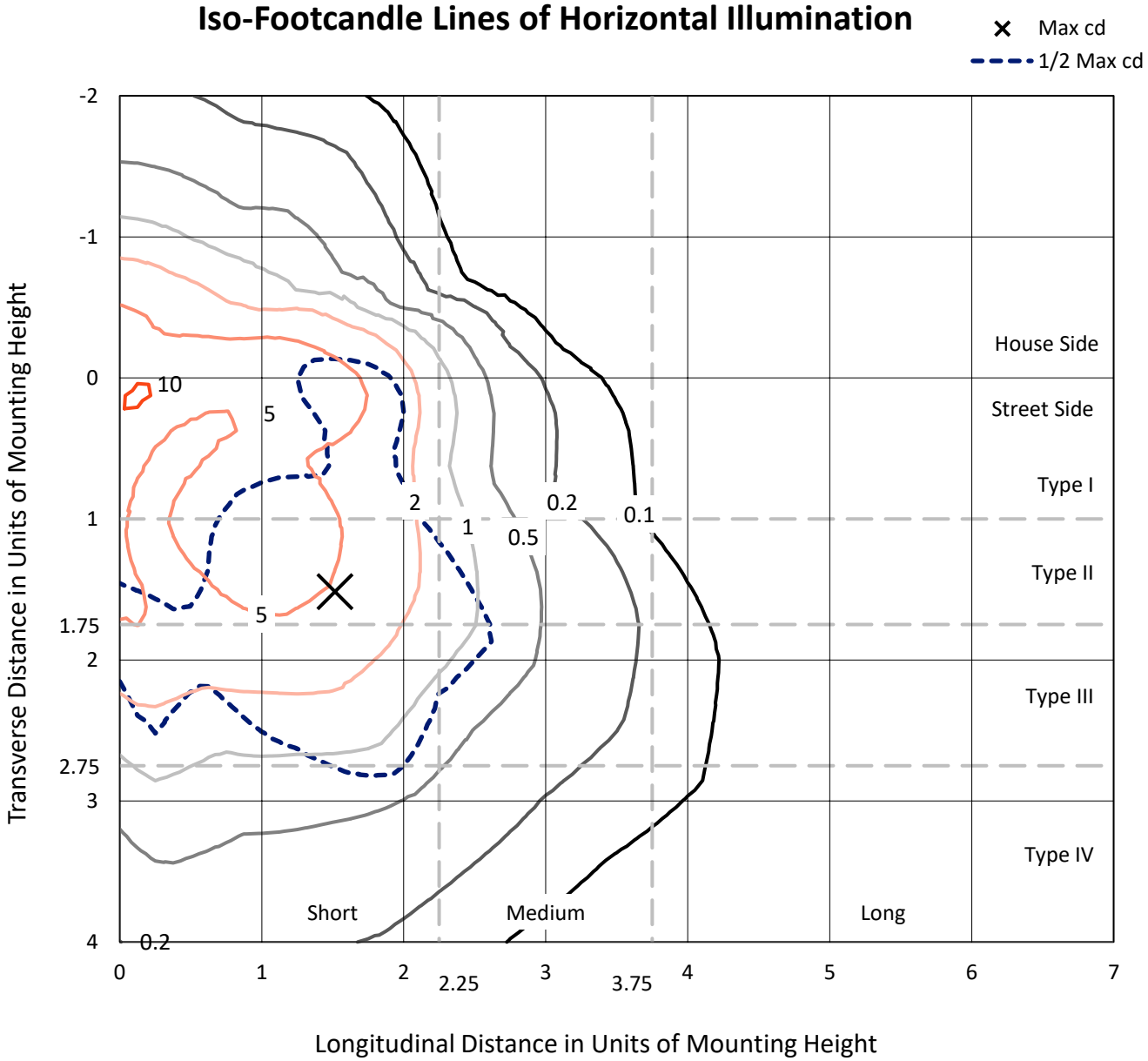
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



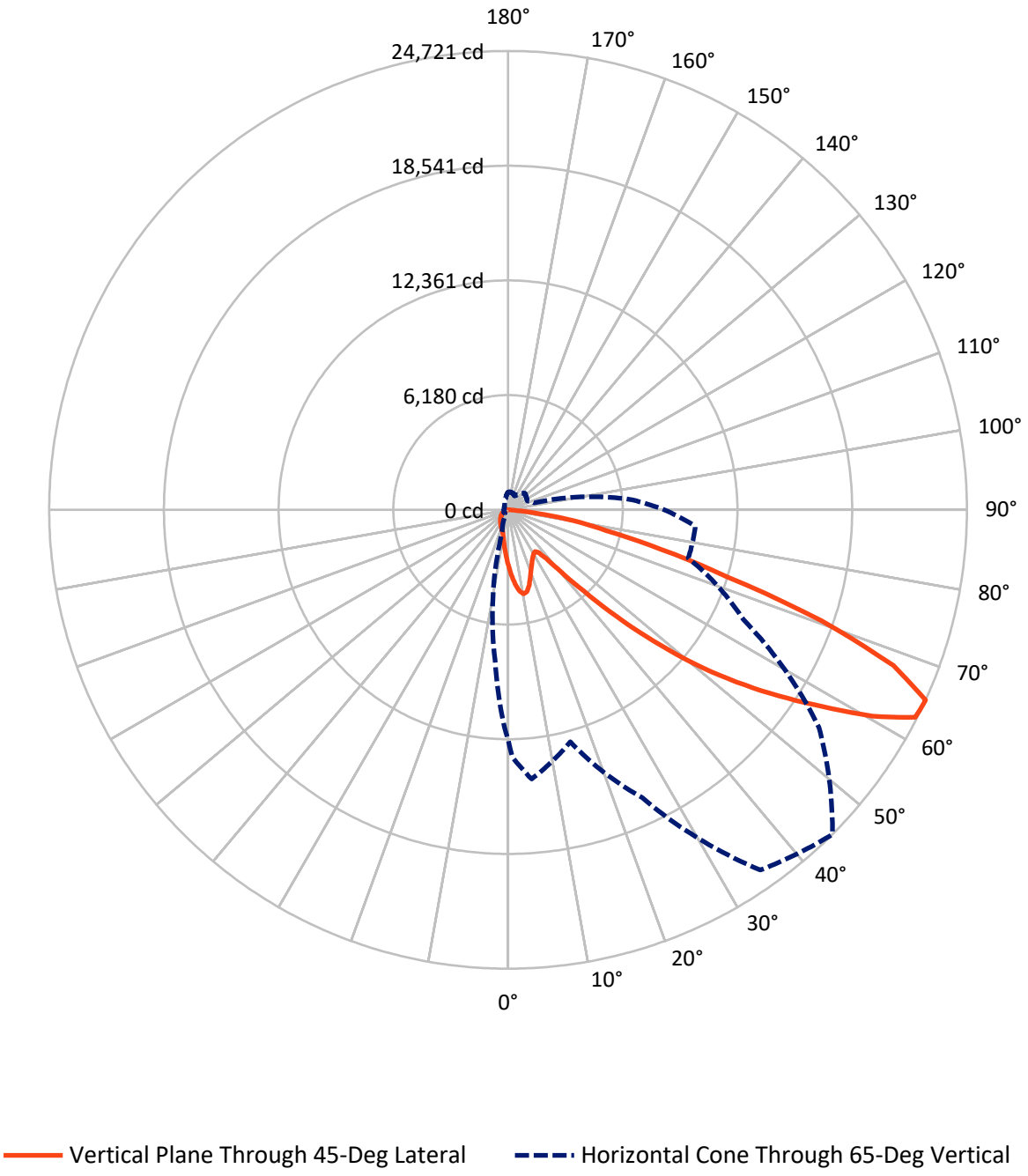
Based on 20 foot mounting height. Maximum calculated value = 11 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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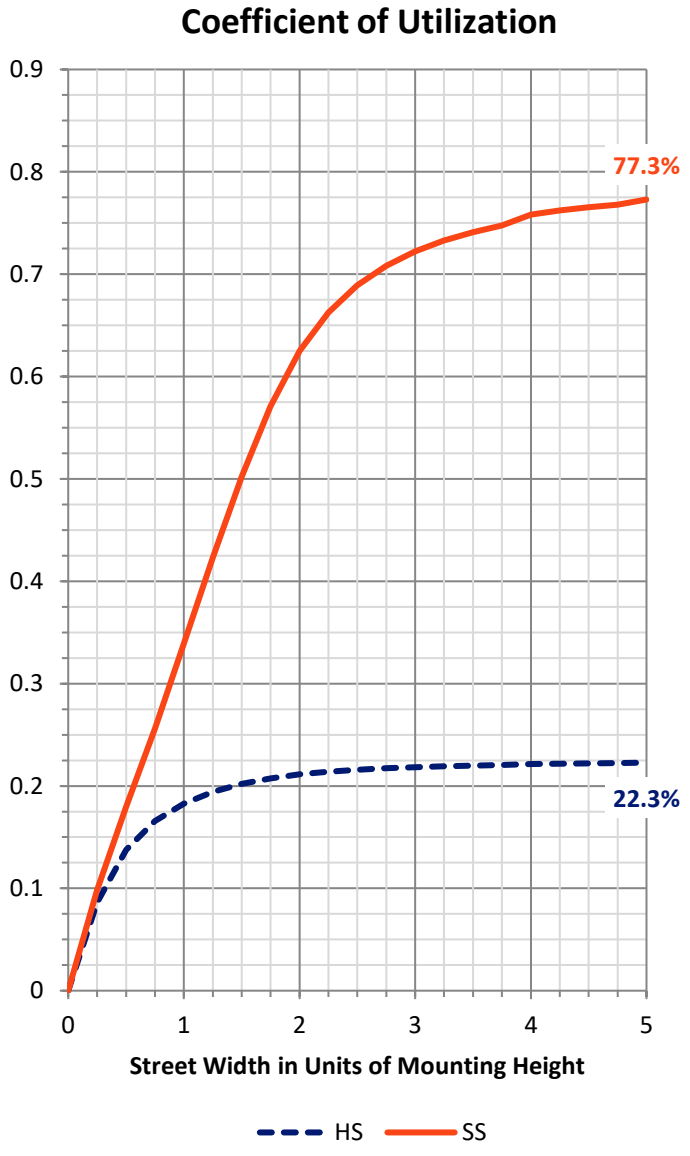
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3915.8	0.0	3915.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	13491.8	0.0	13491.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	17407.6	0.0	17407.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.0	1.7
10°-20°	799.4	4.6
20°-30°	1144.9	6.6
30°-40°	1436.2	8.3
40°-50°	2359.2	13.6
50°-60°	4259.6	24.5
60°-70°	4728.8	27.2
70°-80°	2137.5	12.3
80°-90°	253.0	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°	17407.6	100.0
0°-180°	17407.6	100.0



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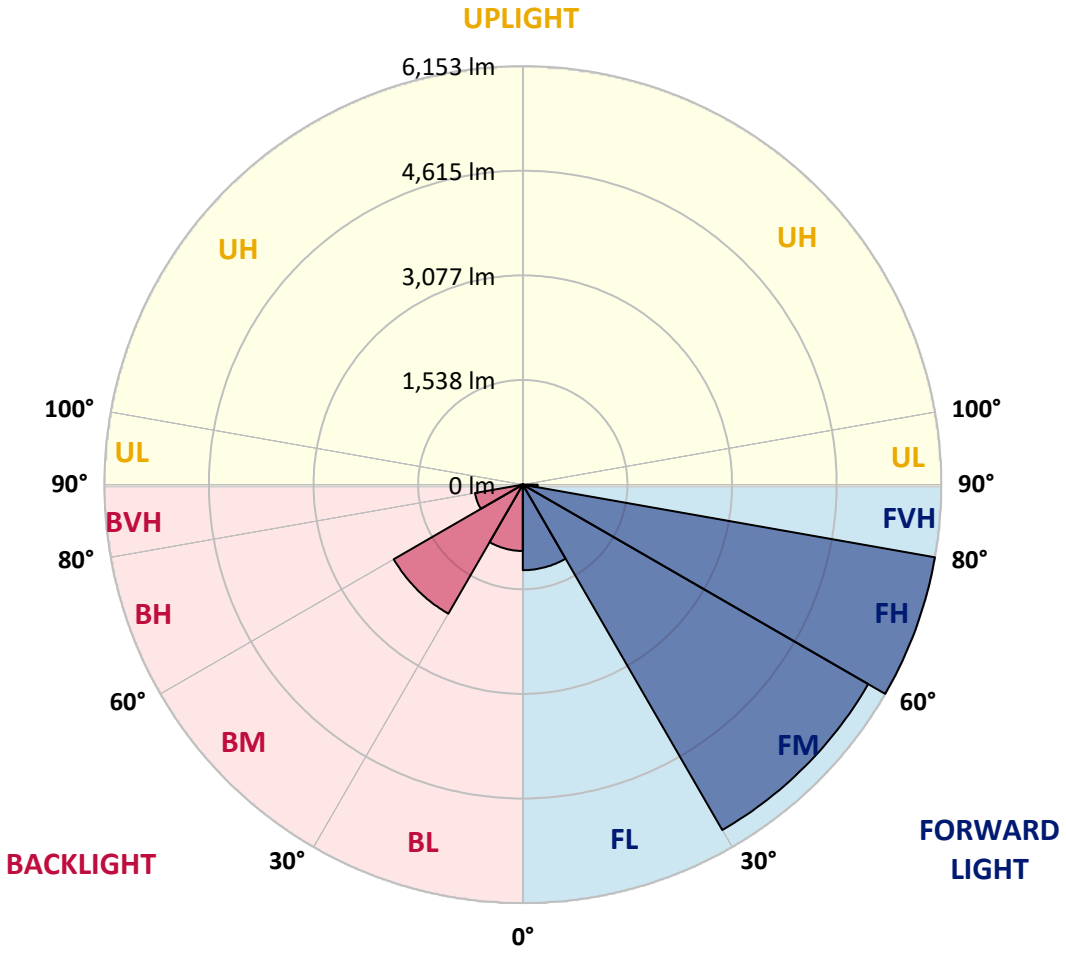
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1257.5	7.2			
FM	(30°-60°)	5864.0	33.7			
FH	(60°-80°)	6153.1	35.3			G3/7500
FVH	(80°-90°)	217.2	1.2			G2/225
BL	(0°-30°)	975.8	5.6	B2/1000		
BM	(30°-60°)	2191.0	12.6	B2/2500		
BH	(60°-80°)	713.3	4.1	B2/1000		G2/1000
BVH	(80°-90°)	35.8	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°	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4
2.5°	3311.9	3354.6	3349.3	3408.0	3461.4	3498.8	3530.9	3520.2	3493.5	3440.1	3402.7
5°	3659.1	3691.1	3744.5	3856.7	3942.2	4017.0	4006.3	4017.0	3936.8	3856.7	3760.6
7.5°	3958.2	3995.6	4070.4	4230.6	4337.5	4428.3	4417.6	4385.5	4294.7	4161.2	4017.0
10°	4145.2	4171.9	4252.0	4433.6	4556.5	4631.3	4604.6	4551.1	4433.6	4300.1	4129.1
12.5°	4225.3	4257.3	4326.8	4471.0	4551.1	4535.1	4524.4	4513.7	4455.0	4353.5	4198.6
15°	4236.0	4257.3	4310.8	4374.9	4342.8	4252.0	4230.6	4310.8	4385.5	4364.2	4236.0
17.5°	4236.0	4268.0	4278.7	4214.6	4049.0	3883.4	3862.1	3995.6	4203.9	4369.5	4294.7
20°	4252.0	4268.0	4246.7	4038.3	3728.5	3546.9	3509.5	3675.1	3984.9	4310.8	4353.5
22.5°	4273.4	4289.4	4198.6	3830.0	3466.8	3274.5	3253.1	3376.0	3739.2	4225.3	4417.6
25°	4316.1	4305.4	4166.5	3648.4	3237.1	3055.5	3023.4	3183.7	3536.2	4139.8	4524.4
27.5°	4369.5	4321.4	4123.8	3498.8	3071.5	2879.2	2857.8	3012.7	3365.3	4033.0	4615.2
30°	4439.0	4390.9	4118.5	3381.3	2948.6	2756.3	2729.6	2900.5	3247.8	3958.2	4743.4
32.5°	4535.1	4465.7	4123.8	3290.5	2879.2	2697.6	2681.5	2863.2	3199.7	3915.5	4877.0
35°	4663.3	4561.8	4145.2	3258.4	2900.5	2777.7	2815.1	2954.0	3247.8	3947.5	5096.0
37.5°	4823.6	4727.4	4252.0	3327.9	3135.6	3221.1	3317.2	3370.6	3477.5	4097.1	5448.5
40°	5090.6	4957.1	4412.3	3552.2	3765.9	4166.5	4353.5	4332.1	4086.4	4439.0	5945.3
42.5°	5464.6	5341.7	4738.1	4123.8	4818.2	5667.6	5982.7	5801.1	5058.6	4983.8	6762.6
45°	6036.1	5833.1	5176.1	4973.1	6089.5	7483.7	8194.2	7569.2	6292.5	5843.8	7927.1
47.5°	6767.9	6565.0	5859.9	5822.5	7510.4	9727.3	10571.2	9342.6	7515.8	6970.9	9321.3
50°	7943.1	7718.8	6864.1	6687.8	9080.9	11965.4	13092.5	11110.8	8760.4	8167.5	11041.3
52.5°	9556.3	9406.7	8455.9	7579.9	10485.8	14433.3	15405.5	12959.0	9721.9	9534.9	12916.3
55°	11805.2	11660.9	10528.5	8573.4	11815.9	16906.5	17691.7	14641.6	10560.6	11137.5	14876.7
57.5°	14353.2	14593.5	13365.0	9898.2	13215.4	18899.0	19994.0	16169.4	11693.0	13279.5	17056.1
60°	16014.4	16773.0	16618.1	12211.1	15389.5	21377.5	22568.7	18215.2	13348.9	14855.3	17008.0
62.5°	14572.2	15330.7	16516.6	14892.7	17483.4	23621.0	24625.3	20367.9	14994.2	13600.0	14283.7
65°	12366.1	13311.5	14561.5	12937.6	17114.8	23690.5	24721.4	20448.1	13989.9	10053.1	10127.9
67.5°	10656.7	11495.4	13033.8	11009.3	15170.5	21575.2	22387.1	18241.9	11564.8	6666.5	6607.7
70°	8893.9	9663.2	11607.5	9802.0	13290.2	18594.5	17894.7	15336.0	9775.3	4428.3	3669.8
72.5°	7579.9	8290.3	10314.8	8808.5	10544.5	15069.0	12334.0	12723.9	7953.8	2815.1	2499.9
75°	6271.2	6922.9	8771.1	7975.2	8723.0	9401.4	8525.4	9038.2	6554.3	2387.7	1928.4
77.5°	4401.6	4807.5	6153.6	6345.9	6789.3	5566.1	5405.8	6329.9	4663.3	1185.9	811.9
80°	2168.7	2419.8	3210.4	3776.6	3210.4	3156.9	3600.3	4214.6	2419.8	726.5	448.7
82.5°	972.2	1153.8	1479.7	2286.3	1159.2	1260.6	1591.8	2243.5	1100.4	432.7	192.3
85°	154.9	170.9	288.5	384.6	315.2	486.1	464.7	438.0	235.0	117.5	53.4
87.5°	5.3	5.3	5.3	10.7	16.0	21.4	26.7	26.7	26.7	26.7	26.7
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°	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	3376.0	3295.8	3215.7	3146.3	3076.8	3007.4	2911.2	2836.4	2772.3	2745.6
5°	3712.5	3627.0	3504.2	3370.6	3253.1	3119.6	2991.4	2847.1	2729.6	2606.8	2542.7
7.5°	3931.5	3846.0	3643.0	3440.1	3295.8	3151.6	3018.1	2857.8	2702.9	2526.6	2430.5
10°	4033.0	3936.8	3717.8	3482.8	3306.5	3162.3	3039.4	2905.9	2751.0	2532.0	2403.8
12.5°	4102.4	3984.9	3733.9	3493.5	3317.2	3167.6	3050.1	2954.0	2863.2	2649.5	2499.9
15°	4145.2	4038.3	3776.6	3498.8	3301.2	3124.9	3012.7	2980.7	2996.7	2895.2	2713.6
17.5°	4209.3	4107.8	3830.0	3530.9	3274.5	3034.1	2911.2	2980.7	3124.9	3156.9	3012.7
20°	4294.7	4187.9	3899.4	3557.6	3194.3	2863.2	2745.6	2921.9	3162.3	3327.9	3247.8
22.5°	4390.9	4305.4	3979.6	3584.3	3076.8	2638.8	2585.4	2799.1	3055.5	3269.1	3274.5
25°	4508.4	4428.3	4091.7	3611.0	2916.6	2446.5	2457.2	2638.8	2841.8	3060.8	3098.2
27.5°	4668.7	4593.9	4230.6	3643.0	2751.0	2291.6	2345.0	2478.6	2617.4	2751.0	2804.4
30°	4844.9	4786.2	4396.2	3707.1	2596.1	2200.8	2232.8	2323.6	2435.8	2515.9	2542.7
32.5°	5085.3	4989.2	4551.1	3701.8	2478.6	2158.1	2126.0	2152.7	2243.5	2323.6	2329.0
35°	5384.4	5309.7	4711.4	3605.7	2371.7	2136.7	2024.5	2008.5	2061.9	2142.0	2136.7
37.5°	5822.5	5758.4	4973.1	3456.1	2238.2	2083.3	1917.7	1864.3	1901.6	1955.1	1971.1
40°	6479.5	6313.9	5272.3	3290.5	2104.6	1987.1	1789.5	1714.7	1741.4	1800.2	1810.8
42.5°	7371.6	7056.4	5672.9	3066.1	1976.4	1842.9	1661.3	1581.1	1597.2	1650.6	1661.3
45°	8514.7	8039.3	6223.1	2831.1	1874.9	1693.3	1527.7	1442.3	1458.3	1517.0	1543.8
47.5°	9850.1	9198.4	6800.0	2580.0	1816.2	1575.8	1394.2	1330.1	1367.5	1426.2	1436.9
50°	11425.9	10768.9	7168.6	2377.1	1778.8	1485.0	1271.3	1244.6	1292.7	1340.8	1351.5
52.5°	13145.9	12211.1	6933.5	2211.5	1746.7	1452.9	1185.9	1196.5	1233.9	1282.0	1298.0
55°	14817.9	12740.0	6153.6	1997.8	1709.3	1474.3	1121.8	1148.5	1196.5	1233.9	1244.6
57.5°	15907.6	12296.6	4957.1	1773.4	1666.6	1490.3	1089.7	1111.1	1164.5	1207.2	1212.6
60°	14956.8	11324.4	3712.5	1581.1	1575.8	1463.6	1079.0	1047.0	1121.8	1159.2	1164.5
62.5°	12253.9	9262.5	2371.7	1399.5	1404.9	1404.9	1073.7	940.1	1036.3	1068.3	1063.0
65°	*8418.5*	*6548.9*	*1469.0*	*1143.1*	*1196.5*	*1276.7*	*1041.6*	*828.0*	*940.1*	*972.2*	*961.5*
67.5°	5534.0	4161.2	908.1	881.4	982.9	1105.7	977.5	742.5	844.0	865.4	833.3
70°	3002.0	1960.4	598.3	576.9	769.2	870.7	828.0	667.7	753.2	774.5	742.5
72.5°	1981.8	1127.1	422.0	422.0	603.6	609.0	678.4	598.3	667.7	689.1	657.0
75°	1490.3	726.5	293.8	325.8	384.6	475.4	486.1	502.1	566.2	592.9	560.9
77.5°	683.7	267.1	176.3	240.4	267.1	363.2	309.8	373.9	422.0	432.7	406.0
80°	395.3	149.6	117.5	154.9	170.9	299.1	181.6	224.4	299.1	315.2	283.1
82.5°	165.6	74.8	80.1	96.2	101.5	165.6	128.2	144.2	197.6	192.3	170.9
85°	48.1	48.1	53.4	58.8	58.8	96.2	90.8	85.5	90.8	90.8	74.8
87.5°	32.1	32.1	32.1	37.4	37.4	42.7	48.1	53.4	53.4	53.4	48.1
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):

	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°	2708.2	2660.2	2590.7	2580.0	2542.7	2515.9	2542.7	2569.4	2617.4	2622.8	2644.1
5°	2483.9	2371.7	2286.3	2190.1	2142.0	2136.7	2126.0	2158.1	2227.5	2270.2	2302.3
7.5°	2334.3	2131.3	1981.8	1848.2	1800.2	1762.8	1794.8	1789.5	1880.3	1917.7	1949.7
10°	2254.2	1971.1	1746.7	1581.1	1517.0	1479.7	1474.3	1485.0	1538.4	1575.8	1613.2
12.5°	2307.6	1907.0	1575.8	1383.5	1314.1	1271.3	1233.9	1233.9	1244.6	1292.7	1308.7
15°	2483.9	1944.4	1495.7	1287.4	1196.5	1127.1	1079.0	1041.6	1047.0	1052.3	1068.3
17.5°	2740.3	2040.5	1469.0	1228.6	1132.4	1047.0	998.9	956.2	945.5	945.5	940.1
20°	2986.0	2115.3	1447.6	1180.5	1057.7	982.9	940.1	902.7	886.7	886.7	886.7
22.5°	3087.5	2179.4	1420.9	1121.8	982.9	913.4	876.0	849.3	844.0	844.0	838.6
25°	3007.4	2158.1	1388.8	1063.0	913.4	860.0	828.0	801.3	795.9	801.3	795.9
27.5°	2756.3	2083.3	1346.1	1014.9	860.0	811.9	785.2	758.5	753.2	758.5	758.5
30°	2489.2	1955.1	1276.7	977.5	817.3	763.9	737.2	710.4	710.4	715.8	721.1
32.5°	2275.6	1826.9	1196.5	929.5	769.2	721.1	694.4	667.7	667.7	678.4	678.4
35°	2093.9	1725.4	1116.4	881.4	726.5	673.1	651.7	630.3	625.0	635.7	641.0
37.5°	1949.7	1634.6	1030.9	833.3	683.7	635.7	614.3	587.6	582.2	592.9	603.6
40°	1800.2	1533.1	956.2	774.5	641.0	592.9	571.6	539.5	539.5	550.2	560.9
42.5°	1655.9	1442.3	908.1	721.1	598.3	544.9	523.5	496.8	496.8	507.5	518.1
45°	1538.4	1356.8	881.4	667.7	550.2	502.1	475.4	454.0	459.4	470.1	480.8
47.5°	1426.2	1266.0	886.7	641.0	518.1	454.0	427.3	411.3	422.0	438.0	448.7
50°	1340.8	1201.9	892.1	598.3	475.4	416.7	389.9	379.3	395.3	411.3	422.0
52.5°	1287.4	1137.8	860.0	544.9	443.4	379.3	363.2	363.2	379.3	389.9	400.6
55°	1233.9	1030.9	790.6	486.1	411.3	352.6	341.9	341.9	357.9	368.6	373.9
57.5°	1191.2	918.8	710.4	438.0	373.9	325.8	325.8	325.8	331.2	336.5	347.2
60°	1111.1	801.3	609.0	400.6	336.5	304.5	299.1	299.1	293.8	299.1	315.2
62.5°	972.2	673.1	518.1	357.9	304.5	277.8	272.4	256.4	240.4	245.7	256.4
65°	*822.6*	*534.2*	*432.7*	*309.8*	*261.7*	*245.7*	*240.4*	*213.7*	*192.3*	*197.6*	*213.7*
67.5°	657.0	400.6	363.2	267.1	224.4	208.3	208.3	192.3	176.3	176.3	187.0
70°	512.8	336.5	272.4	213.7	176.3	176.3	187.0	170.9	149.6	149.6	165.6
72.5°	416.7	272.4	219.0	165.6	138.9	149.6	154.9	138.9	122.9	122.9	133.5
75°	325.8	213.7	170.9	122.9	106.8	112.2	122.9	112.2	96.2	101.5	106.8
77.5°	224.4	144.2	112.2	90.8	80.1	85.5	85.5	80.1	74.8	74.8	80.1
80°	149.6	96.2	74.8	64.1	58.8	58.8	53.4	53.4	58.8	58.8	64.1
82.5°	106.8	69.4	58.8	48.1	37.4	37.4	42.7	42.7	48.1	48.1	53.4
85°	64.1	48.1	42.7	32.1	26.7	32.1	32.1	37.4	42.7	42.7	48.1
87.5°	48.1	37.4	32.1	26.7	21.4	21.4	26.7	26.7	32.1	37.4	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

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

Scaled Data Report

REPORT NUMBER: P1365287
CATALOG NUMBER: GSS-SB5A-740-U-SLL-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°	2697.6	2761.7	2852.5	2932.6	3028.7	3124.9	3215.7	3301.2	3306.5	3311.9
5°	2403.8	2532.0	2681.5	2863.2	3055.5	3242.4	3440.1	3600.3	3637.7	3659.1
7.5°	2077.9	2264.9	2494.6	2751.0	3039.4	3327.9	3605.7	3846.0	3936.8	3958.2
10°	1736.1	1965.7	2243.5	2574.7	2964.6	3349.3	3723.2	4017.0	4123.8	4145.2
12.5°	1431.6	1618.5	1939.0	2339.7	2809.7	3317.2	3765.9	4091.7	4198.6	4225.3
15°	1169.8	1346.1	1645.2	2067.2	2596.1	3205.0	3733.9	4107.8	4214.6	4236.0
17.5°	966.8	1079.0	1351.5	1810.8	2403.8	3060.8	3691.1	4118.5	4219.9	4236.0
20°	886.7	908.1	1052.3	1501.0	2200.8	2954.0	3664.4	4134.5	4236.0	4252.0
22.5°	849.3	849.3	881.4	1143.1	1917.7	2841.8	3653.7	4182.6	4257.3	4273.4
25°	811.9	811.9	822.6	897.4	1581.1	2702.9	3675.1	4268.0	4316.1	4316.1
27.5°	774.5	774.5	785.2	801.3	1175.2	2473.2	3680.4	4364.2	4385.5	4369.5
30°	737.2	747.8	747.8	758.5	865.4	2184.8	3648.4	4471.0	4471.0	4439.0
32.5°	699.8	705.1	715.8	721.1	753.2	1810.8	3595.0	4604.6	4577.8	4535.1
35°	667.7	673.1	673.1	683.7	715.8	1447.6	3536.2	4786.2	4711.4	4663.3
37.5°	625.0	630.3	635.7	646.3	678.4	1148.5	3450.7	4941.1	4887.7	4823.6
40°	587.6	592.9	598.3	609.0	641.0	988.2	3343.9	5176.1	5165.4	5090.6
42.5°	544.9	555.5	560.9	566.2	609.0	902.7	3269.1	5555.4	5555.4	5464.6
45°	507.5	518.1	518.1	528.8	587.6	828.0	3434.7	6078.9	6121.6	6036.1
47.5°	475.4	480.8	480.8	486.1	555.5	763.9	3878.1	6880.1	6826.7	6767.9
50°	443.4	454.0	443.4	448.7	528.8	801.3	4609.9	7905.7	8044.6	7943.1
52.5°	422.0	427.3	406.0	406.0	491.4	849.3	5208.2	9214.4	9679.2	9556.3
55°	395.3	400.6	373.9	373.9	432.7	737.2	5245.6	10704.8	11725.0	11805.2
57.5°	368.6	368.6	347.2	341.9	373.9	598.3	4652.6	11858.6	14171.6	14353.2
60°	336.5	331.2	320.5	309.8	341.9	550.2	3546.9	11703.7	15384.1	16014.4
62.5°	288.5	299.1	293.8	272.4	309.8	512.8	2313.0	10127.9	14016.6	14572.2
65°	*240.4*	*256.4*	*256.4*	*240.4*	*341.9*	*448.7*	*1217.9*	*8108.7*	*11698.3*	*12366.1*
67.5°	213.7	224.4	219.0	208.3	304.5	283.1	587.6	6217.7	10015.7	10656.7
70°	187.0	197.6	181.6	170.9	245.7	203.0	347.2	4161.2	8269.0	8893.9
72.5°	154.9	165.6	149.6	133.5	181.6	154.9	229.7	2708.2	6885.5	7579.9
75°	128.2	133.5	122.9	106.8	133.5	122.9	160.3	1768.1	5758.4	6271.2
77.5°	90.8	101.5	96.2	80.1	96.2	85.5	112.2	1009.6	4017.0	4401.6
80°	69.4	69.4	69.4	64.1	58.8	58.8	74.8	454.0	1949.7	2168.7
82.5°	58.8	58.8	53.4	48.1	42.7	37.4	42.7	133.5	918.8	972.2
85°	53.4	42.7	37.4	32.1	26.7	16.0	16.0	37.4	187.0	154.9
87.5°	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

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

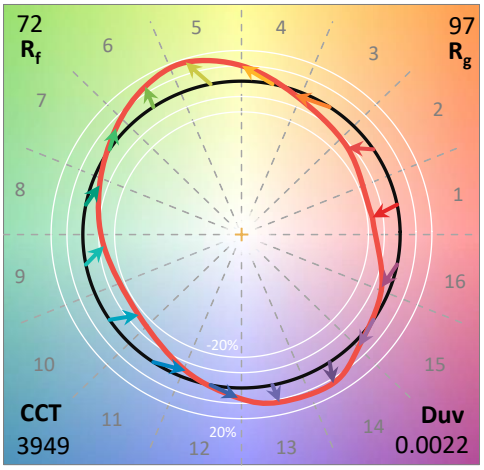
Test Information

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

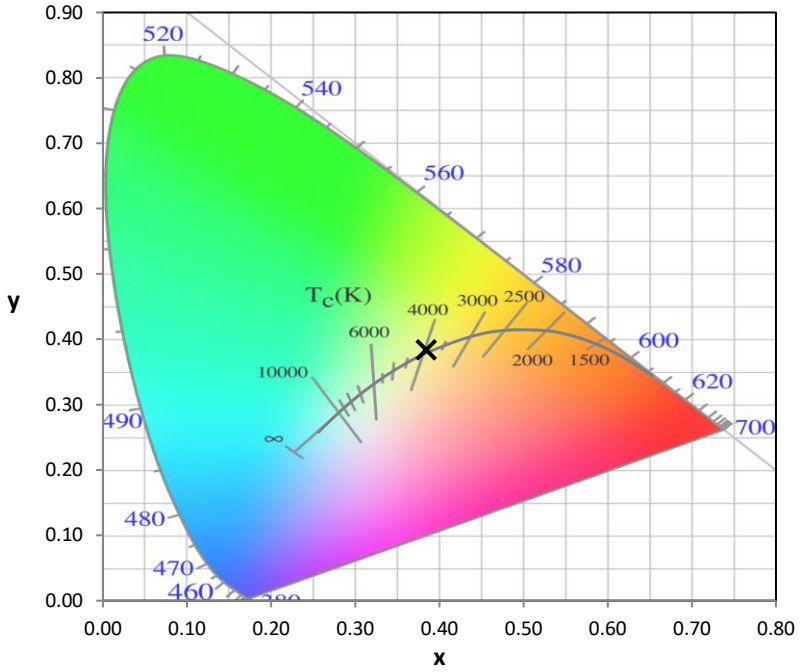
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

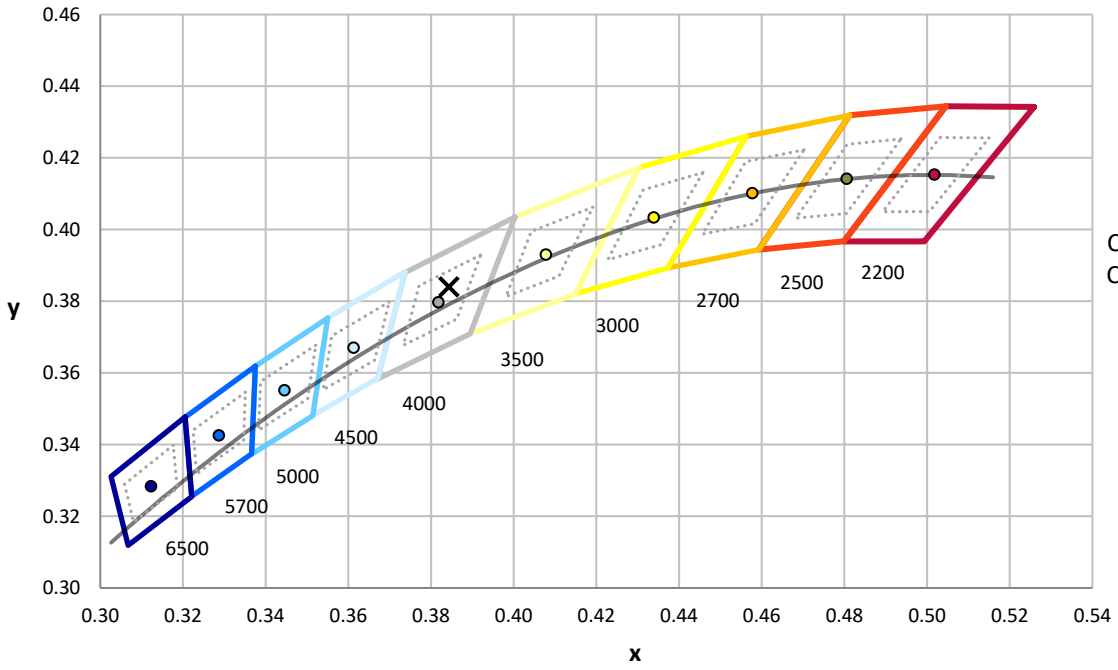
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

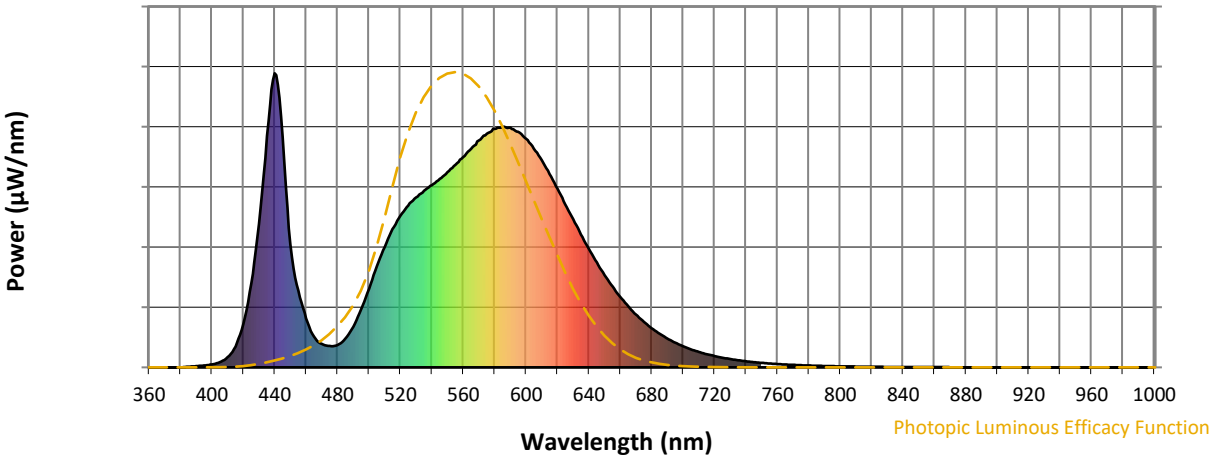


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

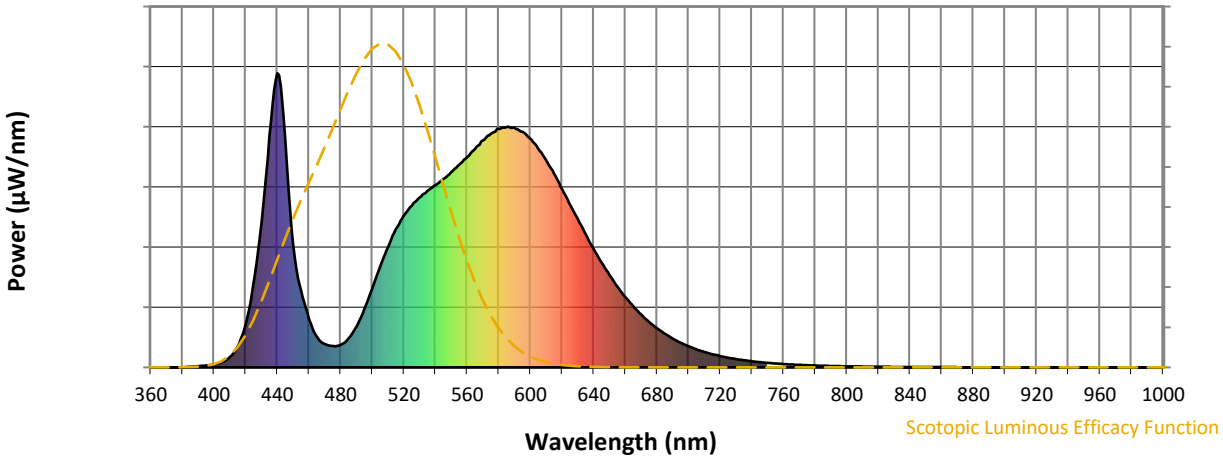


Photopic Lumens: NR

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

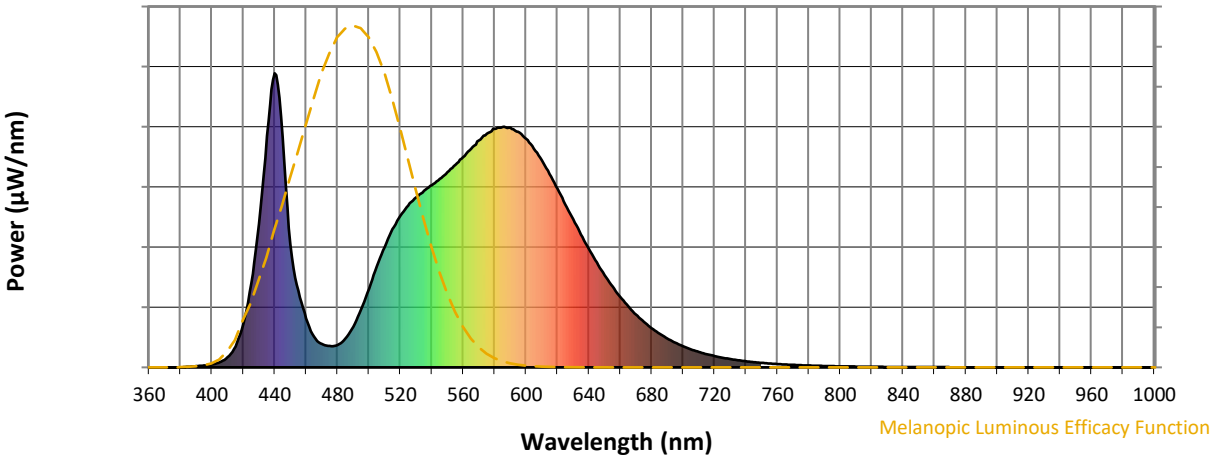


Scotopic Lumens: NR **S/P: 1.47**

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			

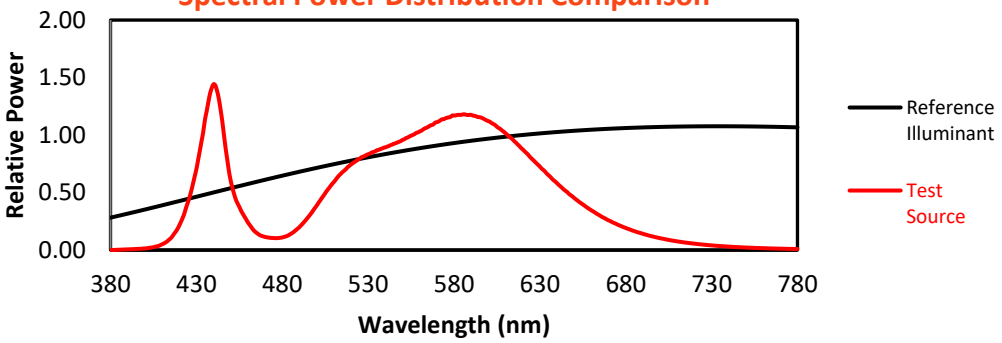
REPORT NUMBER: SP1-2407-184-1

TM-30-18

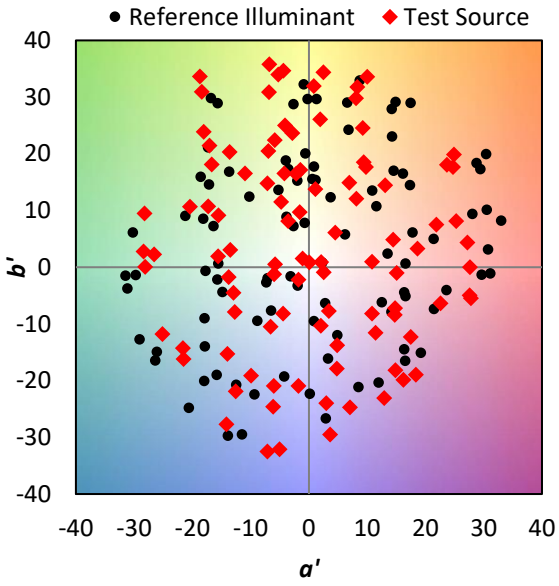
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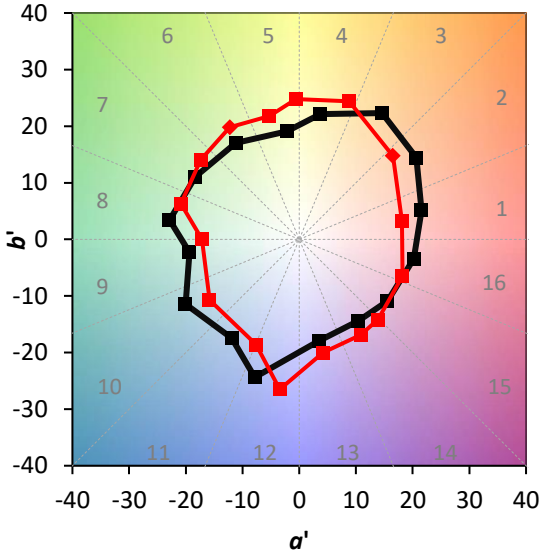
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

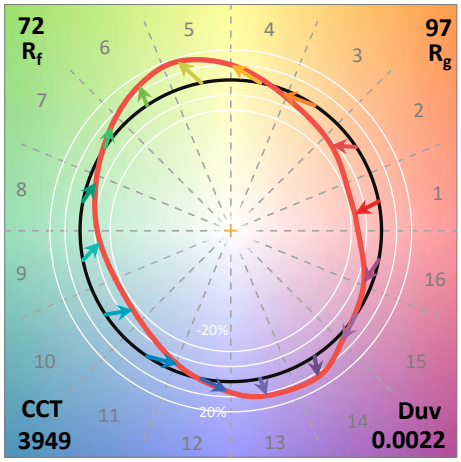
Spectral Power Distribution Comparison

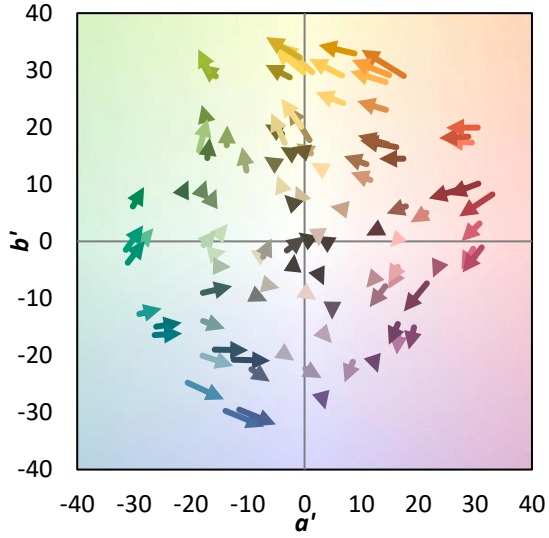


Color Vector Graphics







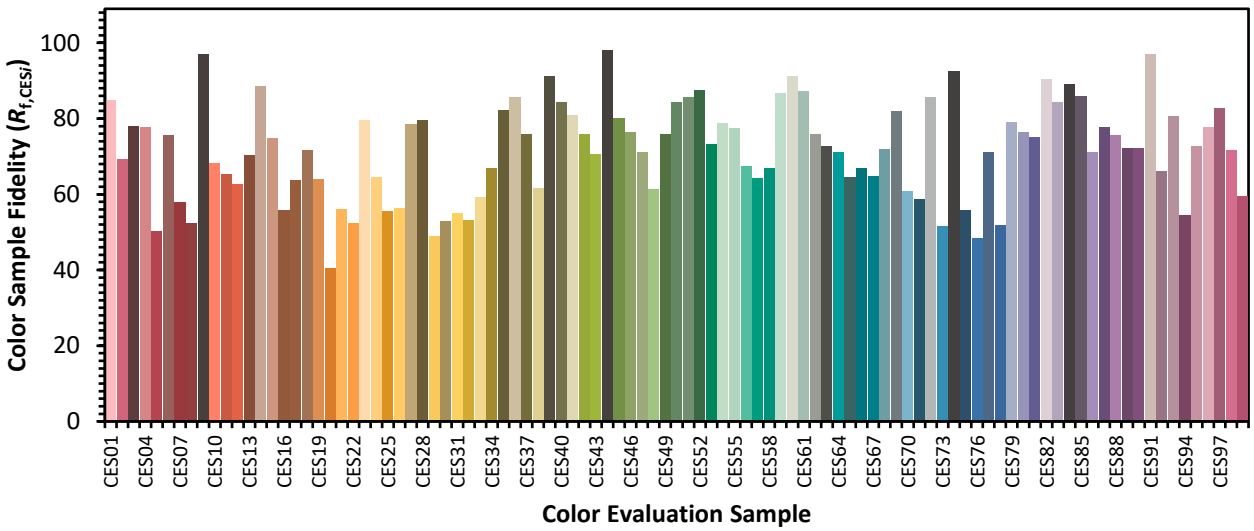


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Individual Sample Fidelity Index ($R_{f,i}$)

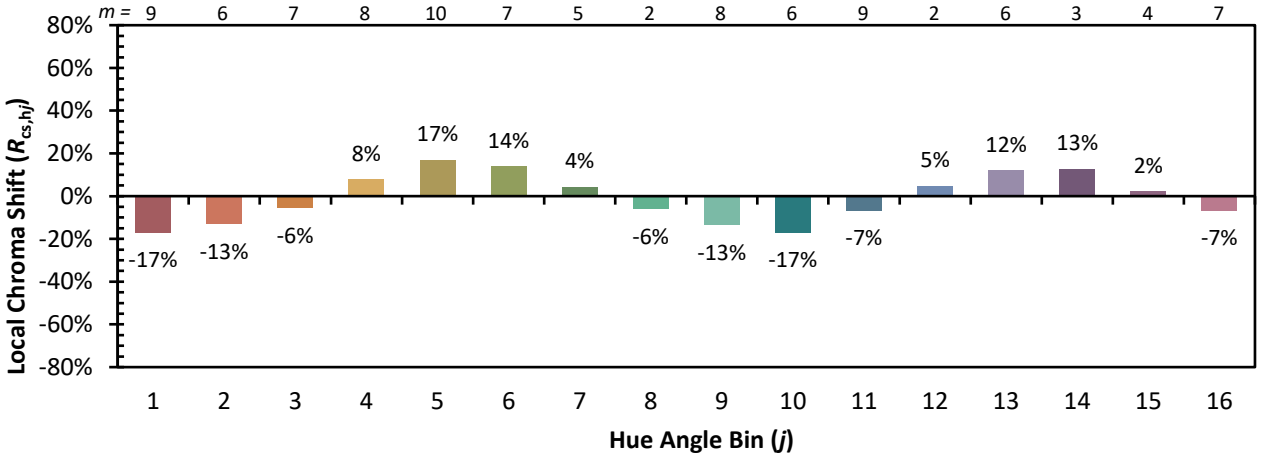
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57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

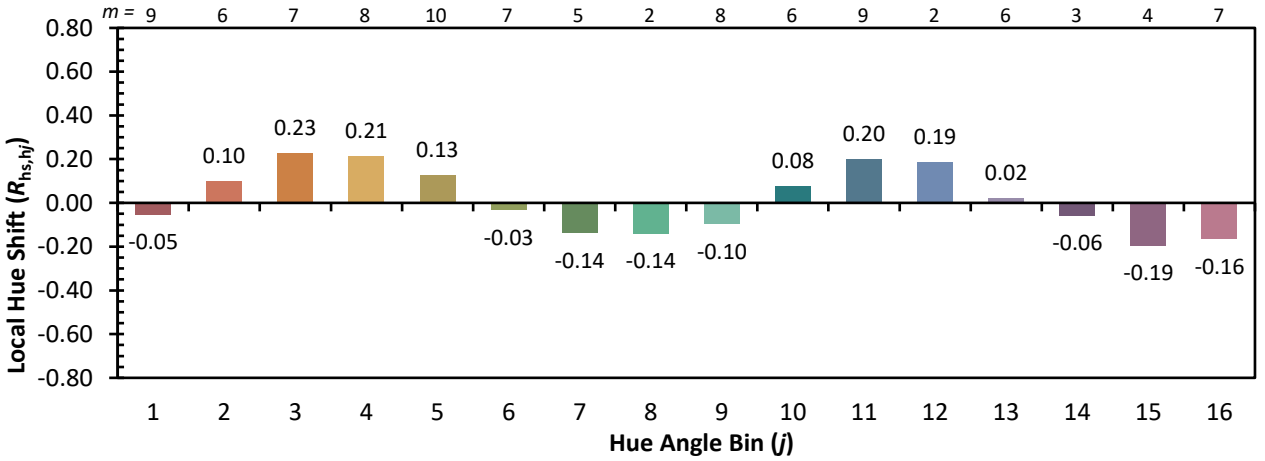


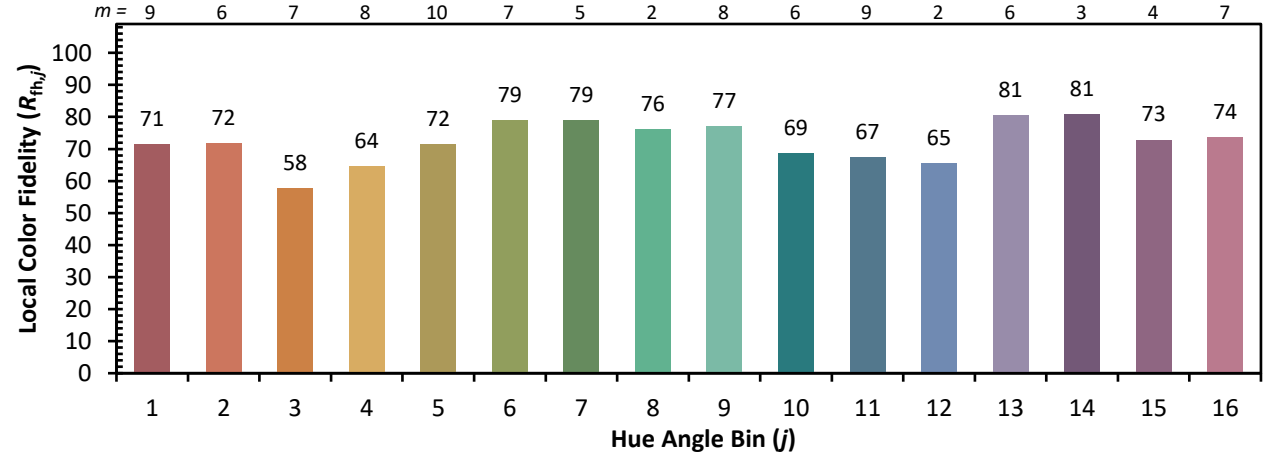
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Color Rendition by Hue-Angle Bin



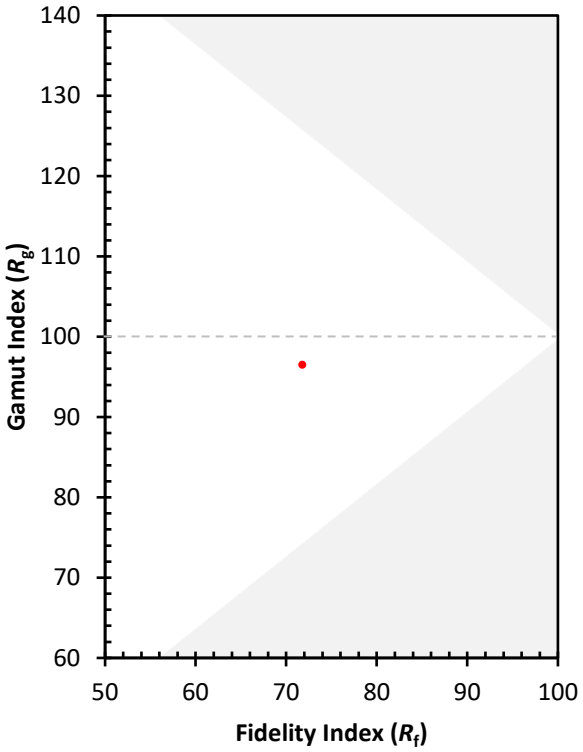


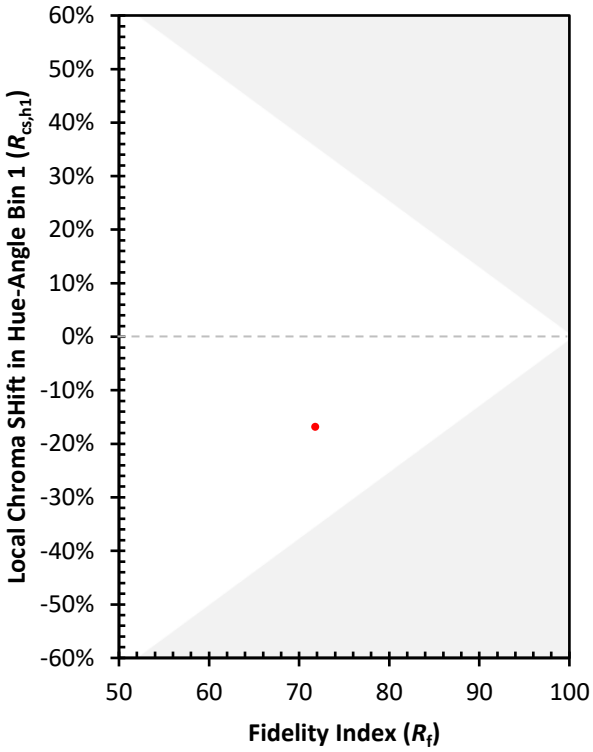


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Measure Comparisons





(END OF REPORT)