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: P1364521

Luminaire Tested: **GSS-SB5C-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:	P1364521
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-740-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 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:	28901.9 lumens
Efficiency:	N/A
Efficacy:	114.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

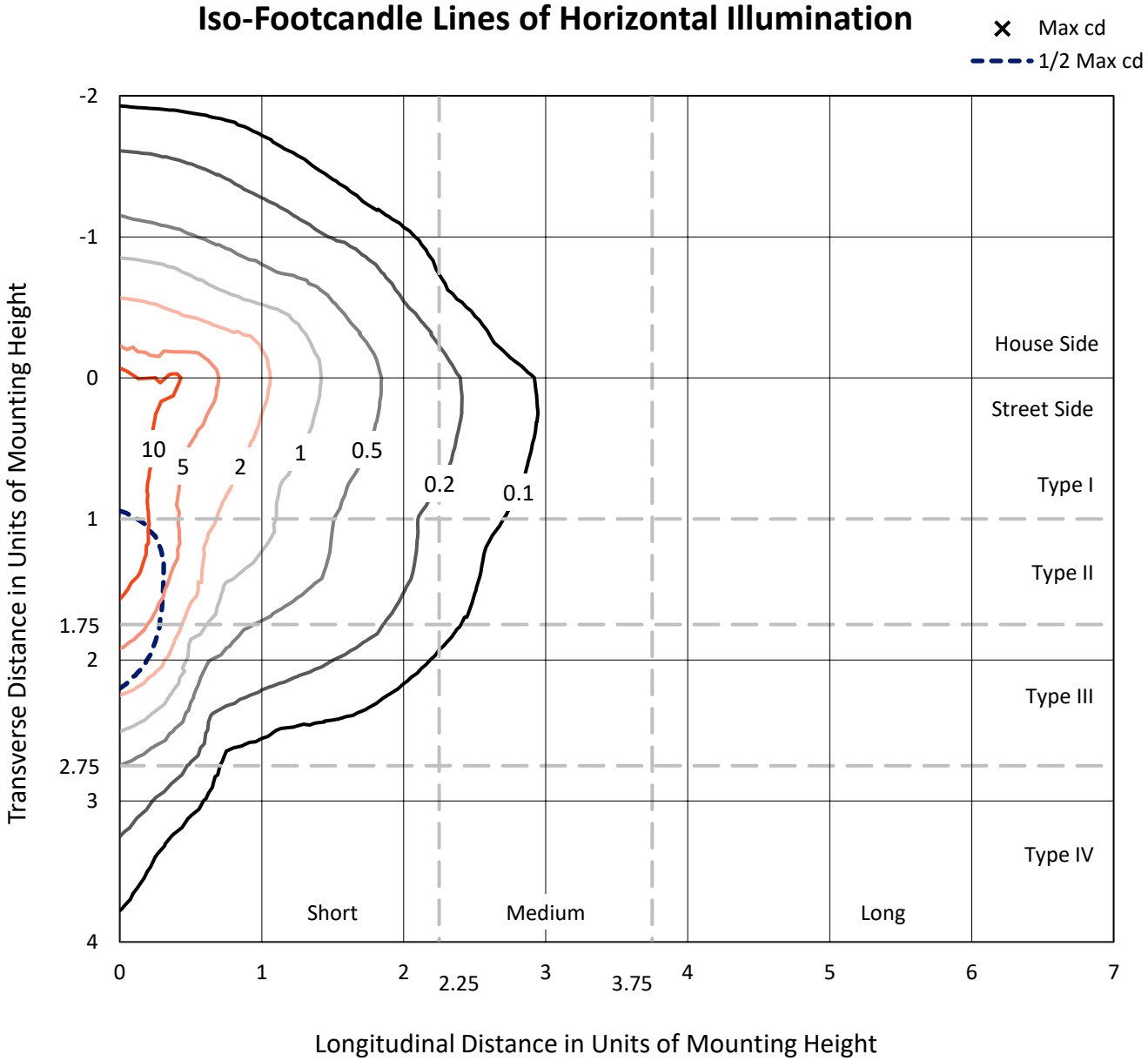
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



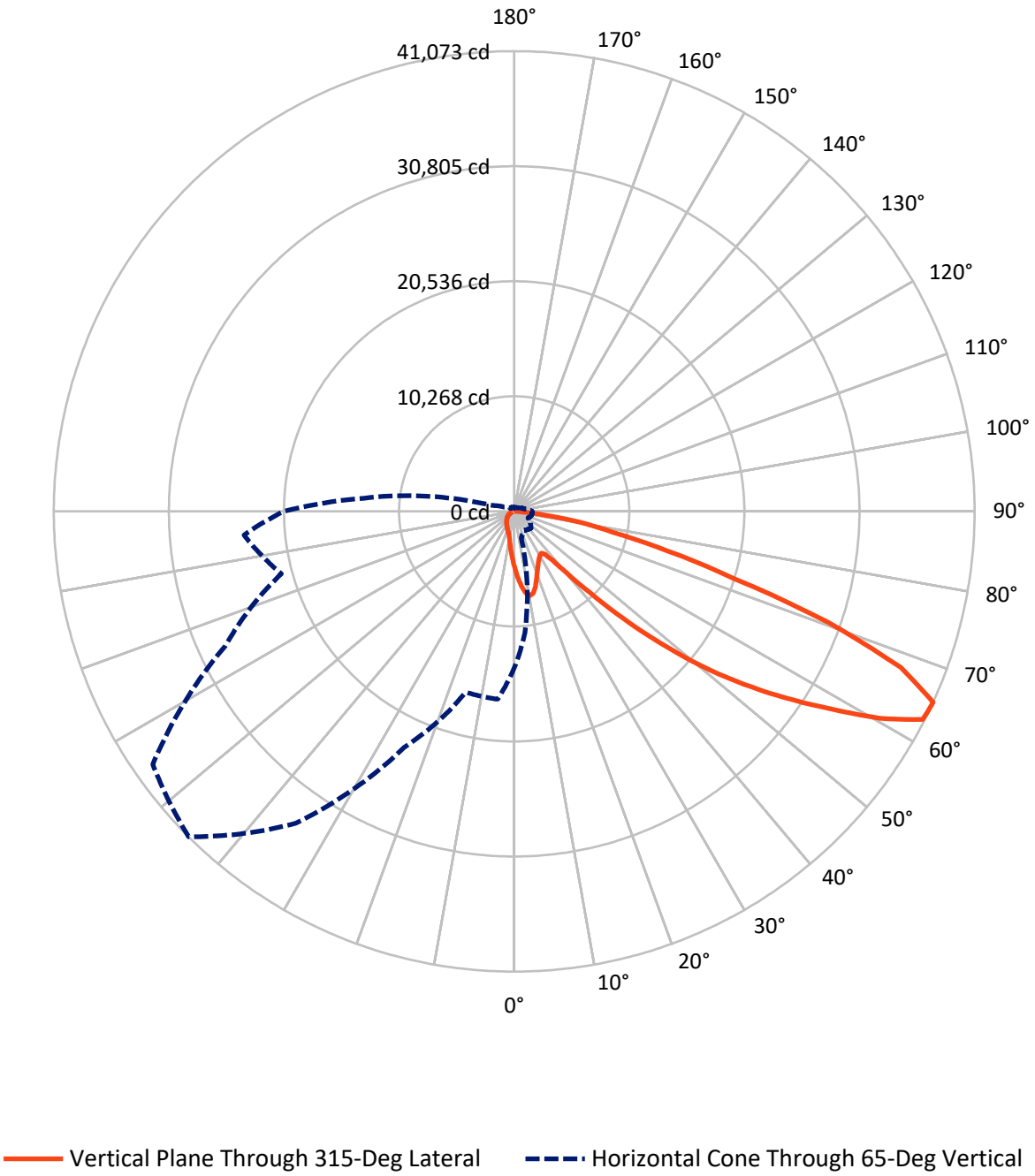
Based on 20 foot mounting height. Maximum calculated value = 15.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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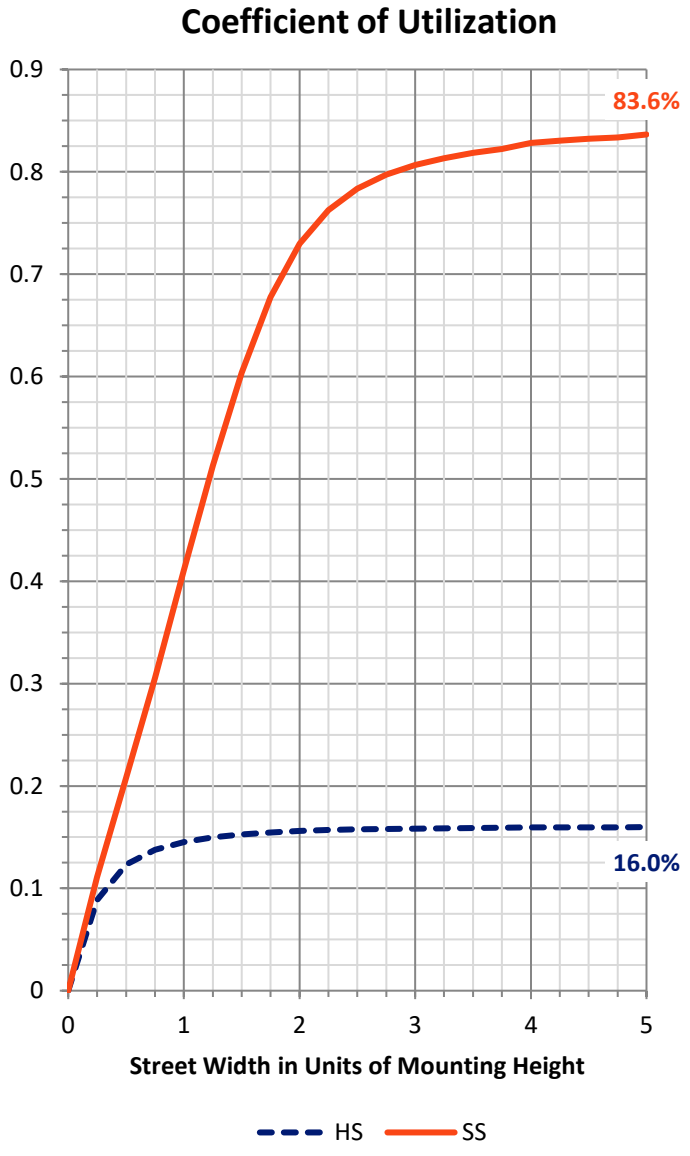
REPORT NUMBER: P1364521
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4672.1	0.0	4672.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	24229.8	0.0	24229.8
	% Fixture	83.8	0.0	83.8
Total	Lumens	28901.9	0.0	28901.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.2	1.7
10°-20°	1328.0	4.6
20°-30°	1902.1	6.6
30°-40°	2385.8	8.3
40°-50°	3919.1	13.6
50°-60°	7072.3	24.5
60°-70°	7848.9	27.2
70°-80°	3546.2	12.3
80°-90°	419.3	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°	28901.9	100.0
0°-180°	28901.9	100.0



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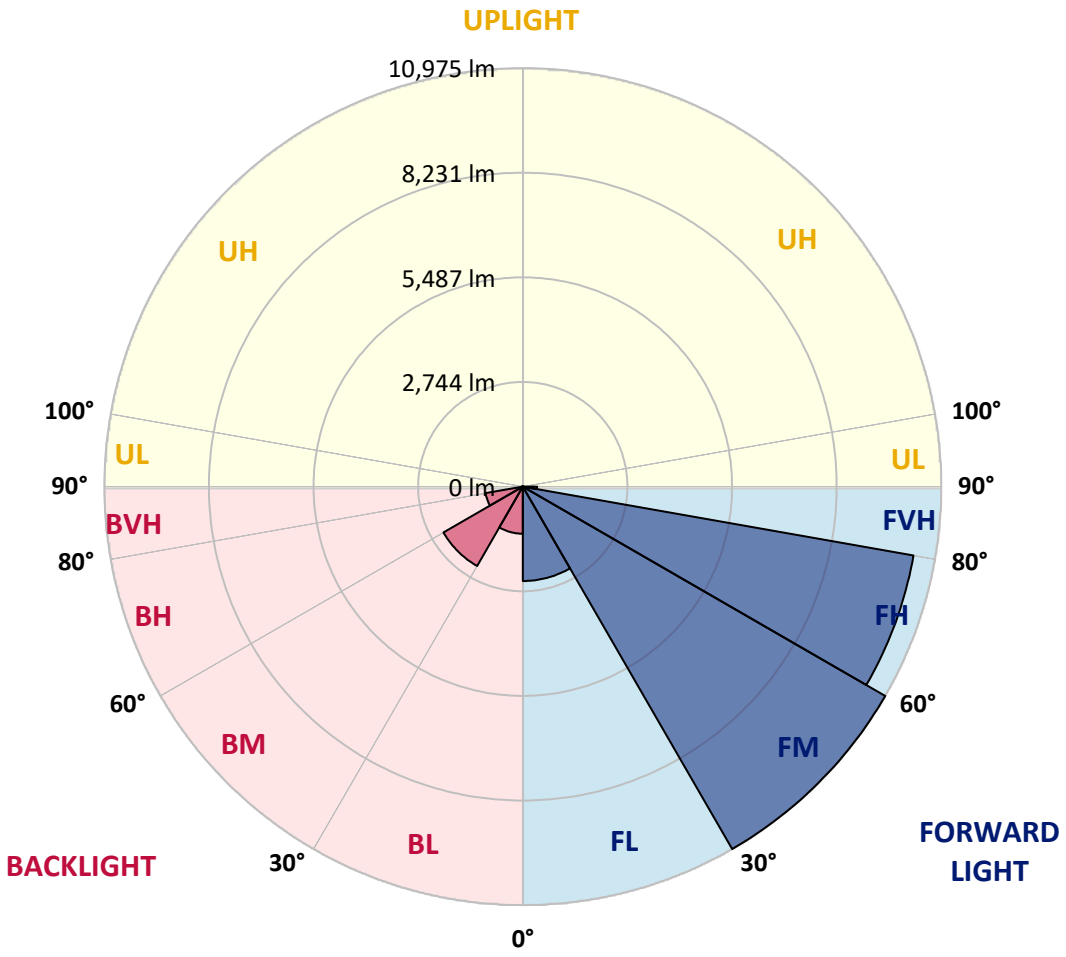
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2475.7	8.6			
FM	(30°-60°)	10974.8	38.0			
FH	(60°-80°)	10402.8	36.0			G4/12000
FVH	(80°-90°)	376.4	1.3			G3/500
BL	(0°-30°)	1234.6	4.3	B3/2500		
BM	(30°-60°)	2402.4	8.3	B2/2500		
BH	(60°-80°)	992.2	3.4	B2/1000		G2/1000
BVH	(80°-90°)	42.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5
2.5°	5635.5	5630.2	5608.9	5475.8	5342.7	5227.3	5111.9	4996.5	4836.8	4712.5	4606.0
5°	6168.0	6139.6	6026.0	5821.9	5600.0	5404.8	5182.9	4969.9	4730.3	4535.0	4330.9
7.5°	6531.9	6503.5	6389.9	6052.6	5715.4	5475.8	5236.2	5014.3	4748.0	4490.7	4197.8
10°	6700.5	6668.6	6540.8	6176.9	5786.4	5493.5	5253.9	5049.8	4827.9	4570.5	4206.7
12.5°	6815.9	6776.8	6620.6	6203.5	5804.1	5511.3	5262.8	5067.5	4907.8	4756.9	4401.9
15°	6886.9	6851.4	6709.4	6274.5	5813.0	5484.7	5191.8	5005.4	4952.2	4978.8	4810.2
17.5°	6993.4	6959.7	6824.8	6363.3	5866.3	5440.3	5040.9	4836.8	4952.2	5191.8	5245.0
20°	7135.4	7099.9	6957.9	6478.6	5910.6	5307.2	4756.9	4561.7	4854.5	5253.9	5529.0
22.5°	7295.1	7266.7	7153.1	6611.8	5955.0	5111.9	4384.2	4295.4	4650.4	5076.4	5431.4
25°	7490.4	7463.7	7357.2	6798.1	5999.4	4845.7	4064.7	4082.4	4384.2	4721.4	5085.3
27.5°	7756.6	7731.8	7632.4	7028.9	6052.6	4570.5	3807.3	3896.1	4117.9	4348.7	4570.5
30°	8049.5	8030.0	7951.9	7304.0	6159.1	4313.2	3656.4	3709.7	3860.6	4046.9	4180.1
32.5°	8448.8	8416.9	8289.1	7561.4	6150.3	4117.9	3585.4	3532.2	3576.6	3727.4	3860.6
35°	8945.8	8921.0	8821.6	7827.6	5990.5	3940.4	3549.9	3363.6	3336.9	3425.7	3558.8
37.5°	9673.6	9652.3	9567.1	8262.5	5742.0	3718.6	3461.2	3186.1	3097.3	3159.4	3248.2
40°	10765.2	10710.2	10490.1	8759.5	5466.9	3496.7	3301.4	2973.1	2848.8	2893.2	2990.8
42.5°	12247.3	12142.6	11723.7	9425.1	5094.2	3283.7	3061.8	2760.1	2627.0	2653.6	2742.3
45°	14146.5	13988.5	13356.6	10339.2	4703.7	3115.1	2813.3	2538.2	2396.2	2422.8	2520.5
47.5°	16365.2	16148.7	15282.5	11297.7	4286.5	3017.4	2618.1	2316.3	2209.8	2272.0	2369.6
50°	18983.3	18765.0	17891.7	11910.0	3949.3	2955.3	2467.2	2112.2	2067.8	2147.7	2227.6
52.5°	21841.0	21530.4	20287.9	11519.5	3674.2	2902.1	2414.0	1970.2	1988.0	2050.1	2130.0
55°	24618.8	23928.3	21166.5	10223.8	3319.2	2839.9	2449.5	1863.7	1908.1	1988.0	2050.1
57.5°	26429.3	25229.4	20429.9	8235.9	2946.4	2769.0	2476.1	1810.5	1846.0	1934.7	2005.7
60°	24849.6	23642.6	18814.7	6168.0	2627.0	2618.1	2431.7	1792.7	1739.5	1863.7	1925.8
62.5°	20358.9	19364.9	15389.0	3940.4	2325.2	2334.1	2334.1	1783.8	1562.0	1721.7	1775.0
65°	*13986.8*	*13365.5*	*10880.6*	*2440.6*	*1899.2*	*1988.0*	*2121.1*	*1730.6*	*1375.6*	*1562.0*	*1615.2*
67.5°	9194.3	8738.2	6913.5	1508.7	1464.3	1633.0	1837.1	1624.1	1233.6	1402.2	1437.7
70°	4987.7	4641.5	3257.1	994.0	958.5	1278.0	1446.6	1375.6	1109.4	1251.4	1286.9
72.5°	3292.6	3008.6	1872.6	701.1	701.1	1002.9	1011.7	1127.1	994.0	1109.4	1144.9
75°	2476.1	2222.3	1207.0	488.1	541.4	639.0	789.9	807.6	834.2	940.7	985.1
77.5°	1136.0	997.5	443.7	292.9	399.4	443.7	603.5	514.7	621.2	701.1	718.9
80°	656.7	575.1	248.5	195.2	257.4	284.0	497.0	301.7	372.7	497.0	523.6
82.5°	275.1	244.9	124.2	133.1	159.7	168.6	275.1	213.0	239.6	328.4	319.5
85°	79.9	79.9	79.9	88.7	97.6	97.6	159.7	150.9	142.0	150.9	150.9
87.5°	53.2	53.2	53.2	53.2	62.1	62.1	71.0	79.9	88.7	88.7	88.7
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°	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5
2.5°	4561.7	4499.5	4419.7	4304.3	4286.5	4224.4	4180.1	4224.4	4268.8	4348.7	4357.5
5°	4224.4	4126.8	3940.4	3798.4	3638.7	3558.8	3549.9	3532.2	3585.4	3700.8	3771.8
7.5°	4038.1	3878.3	3541.1	3292.6	3070.7	2990.8	2928.7	2981.9	2973.1	3123.9	3186.1
10°	3993.7	3745.2	3274.8	2902.1	2627.0	2520.5	2458.3	2449.5	2467.2	2556.0	2618.1
12.5°	4153.4	3833.9	3168.3	2618.1	2298.6	2183.2	2112.2	2050.1	2050.1	2067.8	2147.7
15°	4508.4	4126.8	3230.4	2485.0	2138.8	1988.0	1872.6	1792.7	1730.6	1739.5	1748.3
17.5°	5005.4	4552.8	3390.2	2440.6	2041.2	1881.5	1739.5	1659.6	1588.6	1570.8	1570.8
20°	5395.9	4961.0	3514.4	2405.1	1961.3	1757.2	1633.0	1562.0	1499.8	1473.2	1473.2
22.5°	5440.3	5129.7	3620.9	2360.7	1863.7	1633.0	1517.6	1455.5	1411.1	1402.2	1402.2
25°	5147.4	4996.5	3585.4	2307.5	1766.1	1517.6	1428.8	1375.6	1331.2	1322.4	1331.2
27.5°	4659.3	4579.4	3461.2	2236.5	1686.2	1428.8	1349.0	1304.6	1260.2	1251.4	1260.2
30°	4224.4	4135.7	3248.2	2121.1	1624.1	1357.9	1269.1	1224.7	1180.4	1180.4	1189.2
32.5°	3869.4	3780.7	3035.2	1988.0	1544.2	1278.0	1198.1	1153.7	1109.4	1109.4	1127.1
35°	3549.9	3478.9	2866.6	1854.8	1464.3	1207.0	1118.2	1082.7	1047.2	1038.4	1056.1
37.5°	3274.8	3239.3	2715.7	1712.8	1384.5	1136.0	1056.1	1020.6	976.2	967.4	985.1
40°	3008.6	2990.8	2547.1	1588.6	1286.9	1065.0	985.1	949.6	896.4	896.4	914.1
42.5°	2760.1	2751.2	2396.2	1508.7	1198.1	994.0	905.2	869.7	825.4	825.4	843.1
45°	2564.8	2556.0	2254.2	1464.3	1109.4	914.1	834.2	789.9	754.4	763.2	781.0
47.5°	2387.3	2369.6	2103.3	1473.2	1065.0	860.9	754.4	710.0	683.4	701.1	727.7
50°	2245.3	2227.6	1996.8	1482.1	994.0	789.9	692.2	647.9	630.1	656.7	683.4
52.5°	2156.6	2138.8	1890.3	1428.8	905.2	736.6	630.1	603.5	603.5	630.1	647.9
55°	2067.8	2050.1	1712.8	1313.5	807.6	683.4	585.7	568.0	568.0	594.6	612.4
57.5°	2014.6	1979.1	1526.5	1180.4	727.7	621.2	541.4	541.4	541.4	550.2	559.1
60°	1934.7	1846.0	1331.2	1011.7	665.6	559.1	505.9	497.0	497.0	488.1	497.0
62.5°	1766.1	1615.2	1118.2	860.9	594.6	505.9	461.5	452.6	426.0	399.4	408.2
65°	*1597.5*	*1366.7*	*887.5*	*718.9*	*514.7*	*434.9*	*408.2*	*399.4*	*355.0*	*319.5*	*328.4*
67.5°	1384.5	1091.6	665.6	603.5	443.7	372.7	346.1	346.1	319.5	292.9	292.9
70°	1233.6	852.0	559.1	452.6	355.0	292.9	292.9	310.6	284.0	248.5	248.5
72.5°	1091.6	692.2	452.6	363.9	275.1	230.7	248.5	257.4	230.7	204.1	204.1
75°	931.9	541.4	355.0	284.0	204.1	177.5	186.4	204.1	186.4	159.7	168.6
77.5°	674.5	372.7	239.6	186.4	150.9	133.1	142.0	142.0	133.1	124.2	124.2
80°	470.4	248.5	159.7	124.2	106.5	97.6	97.6	88.7	88.7	97.6	97.6
82.5°	284.0	177.5	115.4	97.6	79.9	62.1	62.1	71.0	71.0	79.9	79.9
85°	124.2	106.5	79.9	71.0	53.2	44.4	53.2	53.2	62.1	71.0	71.0
87.5°	79.9	79.9	62.1	53.2	44.4	35.5	35.5	44.4	44.4	53.2	62.1
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°	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5
2.5°	4393.0	4481.8	4588.3	4739.2	4872.3	5032.0	5191.8	5342.7	5484.7	5502.4	5564.5
5°	3825.1	3993.7	4206.7	4455.2	4756.9	5076.4	5387.0	5715.4	5981.6	6079.3	6221.3
7.5°	3239.3	3452.3	3762.9	4144.6	4570.5	5049.8	5529.0	5990.5	6389.9	6576.3	6762.6
10°	2680.2	2884.3	3265.9	3727.4	4277.7	4925.5	5564.5	6185.8	6673.9	6886.9	7064.4
12.5°	2174.3	2378.5	2689.1	3221.6	3887.2	4668.2	5511.3	6256.8	6798.1	7020.0	7188.6
15°	1775.0	1943.6	2236.5	2733.5	3434.6	4313.2	5324.9	6203.5	6824.8	7037.7	7162.0
17.5°	1562.0	1606.3	1792.7	2245.3	3008.6	3993.7	5085.3	6132.5	6842.5	7037.7	7108.7
20°	1473.2	1473.2	1508.7	1748.3	2493.8	3656.4	4907.8	6088.1	6869.1	7064.4	7055.5
22.5°	1393.4	1411.1	1411.1	1464.3	1899.2	3186.1	4721.4	6070.4	6949.0	7099.9	6975.6
25°	1322.4	1349.0	1349.0	1366.7	1491.0	2627.0	4490.7	6105.9	7091.0	7170.9	6922.4
27.5°	1260.2	1286.9	1286.9	1304.6	1331.2	1952.5	4109.1	6114.8	7250.7	7259.6	6851.4
30°	1198.1	1224.7	1242.5	1242.5	1260.2	1437.7	3629.8	6061.5	7428.2	7375.0	6842.5
32.5°	1127.1	1162.6	1171.5	1189.2	1198.1	1251.4	3008.6	5972.8	7650.1	7534.7	6851.4
35°	1065.0	1109.4	1118.2	1118.2	1136.0	1189.2	2405.1	5875.1	7951.9	7747.7	6886.9
37.5°	1002.9	1038.4	1047.2	1056.1	1073.9	1127.1	1908.1	5733.1	8209.2	8014.0	7064.4
40°	931.9	976.2	985.1	994.0	1011.7	1065.0	1641.8	5555.7	8599.7	8457.7	7330.6
42.5°	860.9	905.2	923.0	931.9	940.7	1011.7	1499.8	5431.4	9229.8	9079.0	7872.0
45°	798.7	843.1	860.9	860.9	878.6	976.2	1375.6	5706.5	10099.6	10028.6	8599.7
47.5°	745.5	789.9	798.7	798.7	807.6	923.0	1269.1	6443.1	11430.8	11244.4	9735.7
50°	701.1	736.6	754.4	736.6	745.5	878.6	1331.2	7659.0	13134.8	13196.9	11404.2
52.5°	665.6	701.1	710.0	674.5	674.5	816.5	1411.1	8653.0	15309.1	15877.1	14048.9
55°	621.2	656.7	665.6	621.2	621.2	718.9	1224.7	8715.1	17785.2	19613.4	17492.3
57.5°	576.9	612.4	612.4	576.9	568.0	621.2	994.0	7730.0	19702.1	23846.7	22204.9
60°	523.6	559.1	550.2	532.5	514.7	568.0	914.1	5892.9	19444.8	26606.8	27609.6
62.5°	426.0	479.2	497.0	488.1	452.6	514.7	852.0	3842.8	16826.7	24210.6	27441.0
65°	*355.0*	*399.4*	*426.0*	*426.0*	*399.4*	*568.0*	*745.5*	*2023.5*	*13472.0*	*20545.3*	*24192.8*
67.5°	310.6	355.0	372.7	363.9	346.1	505.9	470.4	976.2	10330.3	17705.3	21654.6
70°	275.1	310.6	328.4	301.7	284.0	408.2	337.2	576.9	6913.5	14776.6	19285.0
72.5°	221.9	257.4	275.1	248.5	221.9	301.7	257.4	381.6	4499.5	12593.4	17137.3
75°	177.5	213.0	221.9	204.1	177.5	221.9	204.1	266.2	2937.6	10419.1	14572.5
77.5°	133.1	150.9	168.6	159.7	133.1	159.7	142.0	186.4	1677.3	7312.9	10223.8
80°	106.5	115.4	115.4	115.4	106.5	97.6	97.6	124.2	754.4	3603.2	5333.8
82.5°	88.7	97.6	97.6	88.7	79.9	71.0	62.1	71.0	221.9	1615.2	2458.3
85°	79.9	88.7	71.0	62.1	53.2	44.4	26.6	26.6	62.1	257.4	479.2
87.5°	62.1	53.2	44.4	35.5	17.7	8.9	8.9	0.0	8.9	8.9	8.9
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: P1364521
CATALOG NUMBER: GSS-SB5C-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4996.5	4996.5	4996.5	*4996.5*	4996.5	4996.5	4996.5	4996.5	4996.5	4996.5
2.5°	5662.1	5750.9	5813.0	*5866.3*	5848.5	5804.1	5715.4	5653.3	5639.1	5635.5
5°	6407.6	6549.6	6673.9	*6656.1*	6673.9	6540.8	6407.6	6247.9	6184.0	6168.0
7.5°	7028.9	7206.4	7357.2	*7339.5*	7286.2	7135.4	6913.5	6673.9	6560.3	6531.9
10°	7366.1	7570.2	7694.5	*7650.1*	7561.4	7366.1	7144.2	6860.3	6732.5	6700.5
12.5°	7428.2	7561.4	7534.7	*7517.0*	7499.2	7401.6	7233.0	6975.6	6847.8	6815.9
15°	7268.5	7215.2	7064.4	*7028.9*	7162.0	7286.2	7250.7	7037.7	6917.1	6886.9
17.5°	7002.3	6727.1	6452.0	*6416.5*	6638.4	6984.5	7259.6	7135.4	7021.8	6993.4
20°	6709.4	6194.6	5892.9	*5830.8*	6105.9	6620.6	7162.0	7233.0	7154.9	7135.4
22.5°	6363.3	5759.8	5440.3	*5404.8*	5608.9	6212.4	7020.0	7339.5	7304.0	7295.1
25°	6061.5	5378.2	5076.4	*5023.2*	5289.4	5875.1	6878.0	7517.0	7495.7	7490.4
27.5°	5813.0	5103.0	4783.5	*4748.0*	5005.4	5591.2	6700.5	7667.9	7738.9	7756.6
30°	5617.8	4898.9	4579.4	*4535.0*	4819.0	5395.9	6576.3	7880.9	8015.8	8049.5
32.5°	5466.9	4783.5	4481.8	*4455.2*	4756.9	5316.0	6505.3	8102.7	8379.6	8448.8
35°	5413.7	4819.0	4614.9	*4677.0*	4907.8	5395.9	6558.5	8466.6	8850.0	8945.8
37.5°	5529.0	5209.5	5351.5	*5511.3*	5600.0	5777.5	6807.0	9052.3	9549.3	9673.6
40°	5901.8	6256.8	6922.4	*7233.0*	7197.5	6789.3	7375.0	9877.7	10587.7	10765.2
42.5°	6851.4	8005.1	9416.2	*9939.8*	9638.1	8404.5	8280.2	11235.5	12044.9	12247.3
45°	8262.5	10117.3	12433.7	*13614.0*	12575.7	10454.6	9709.1	13170.3	13951.3	14146.5
47.5°	9673.6	12478.0	16161.1	*17563.3*	15522.1	12486.9	11581.7	15486.6	16189.5	16365.2
50°	11111.3	15087.2	19879.6	*21752.2*	18459.7	14554.7	13569.6	18344.3	18855.5	18983.3
52.5°	12593.4	17421.3	23979.8	*25595.0*	21530.4	16152.2	15841.6	21459.4	21764.7	21841.0
55°	14244.1	19631.2	28088.9	*29393.5*	24325.9	17545.6	18504.0	24716.4	24638.3	24618.8
57.5°	16445.1	21956.4	31399.2	*33218.5*	26864.1	19427.0	22062.9	28337.4	26810.9	26429.3
60°	20287.9	25568.4	35517.1	*37496.2*	30263.2	22178.2	24680.9	28257.5	25531.1	24849.6
62.5°	24743.1	29047.4	39244.6	*40913.0*	33839.8	24911.7	22595.3	23731.3	21033.4	20358.9
65°	*21494.9*	*28435.0*	*39359.9*	*41072.8*	*33972.9*	*23243.2*	*16702.5*	*16826.7*	*14554.7*	*13986.8*
67.5°	18291.0	25204.6	35845.5	*37194.5*	30307.6	19214.0	11075.8	10978.2	9551.1	9194.3
70°	16285.3	22080.6	30893.3	*29730.7*	25479.7	16241.0	7357.2	6097.0	5209.5	4987.7
72.5°	14634.6	17518.9	25035.9	*20492.0*	21139.9	13214.6	4677.0	4153.4	3464.7	3292.6
75°	13250.1	14492.6	15619.7	*14164.2*	15016.2	10889.4	3967.1	3203.8	2621.6	2476.1
77.5°	10543.3	11279.9	9247.6	*8981.3*	10516.7	7747.7	1970.2	1349.0	1178.6	1136.0
80°	6274.5	5333.8	5245.0	*5981.6*	7002.3	4020.3	1207.0	745.5	674.5	656.7
82.5°	3798.4	1925.8	2094.5	*2644.7*	3727.4	1828.2	718.9	319.5	284.0	275.1
85°	639.0	523.6	807.6	*772.1*	727.7	390.5	195.2	88.7	81.6	79.9
87.5°	17.7	26.6	35.5	*44.4*	44.4	44.4	44.4	44.4	51.5	53.2
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

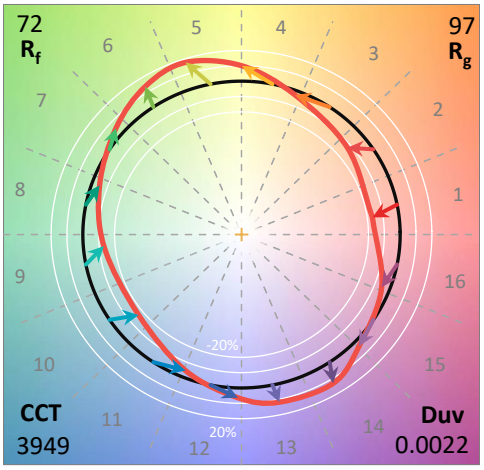
Test Information

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

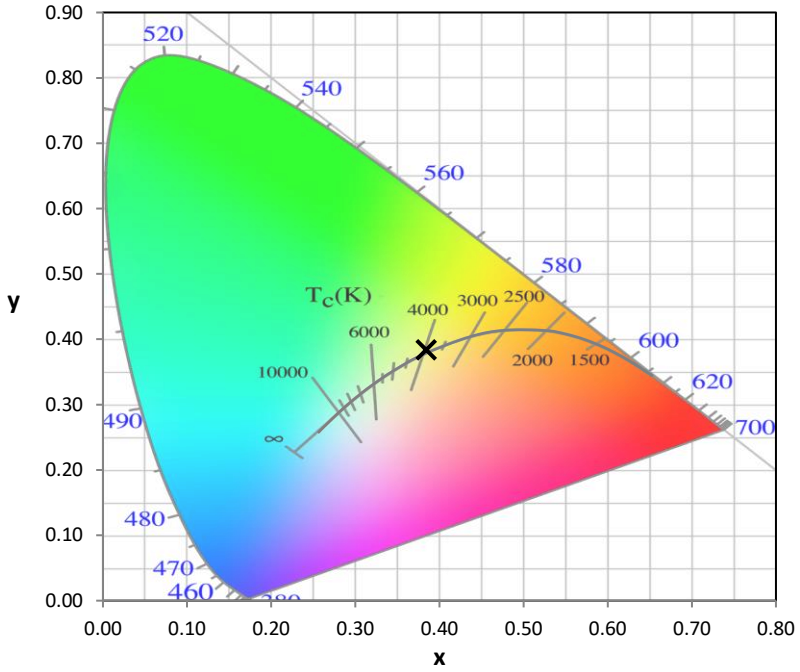
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

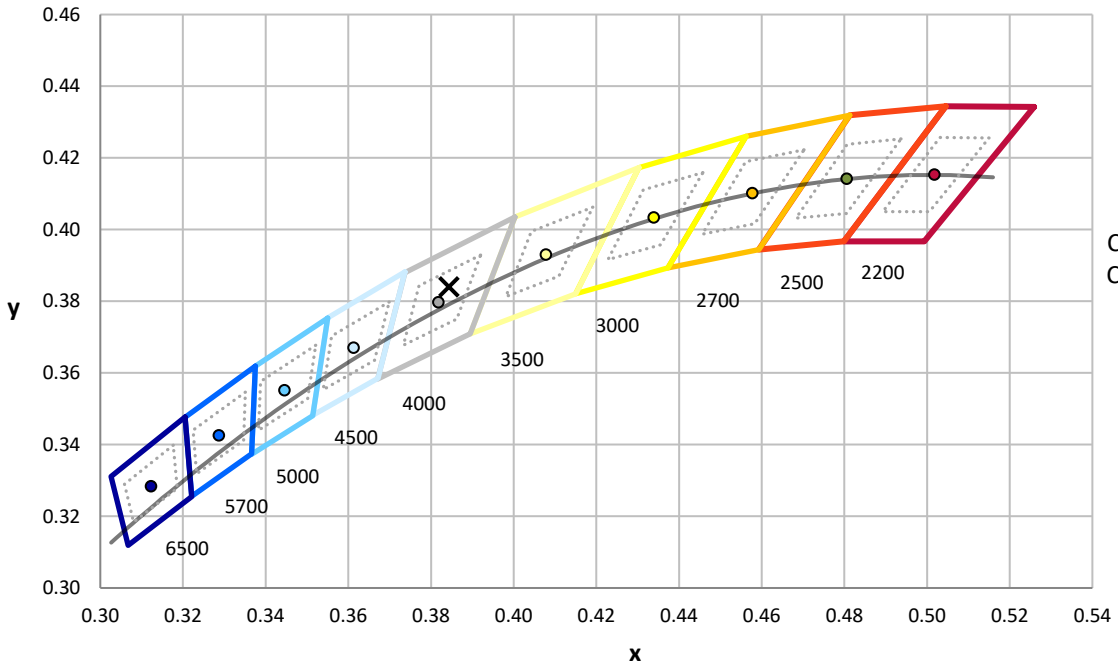
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

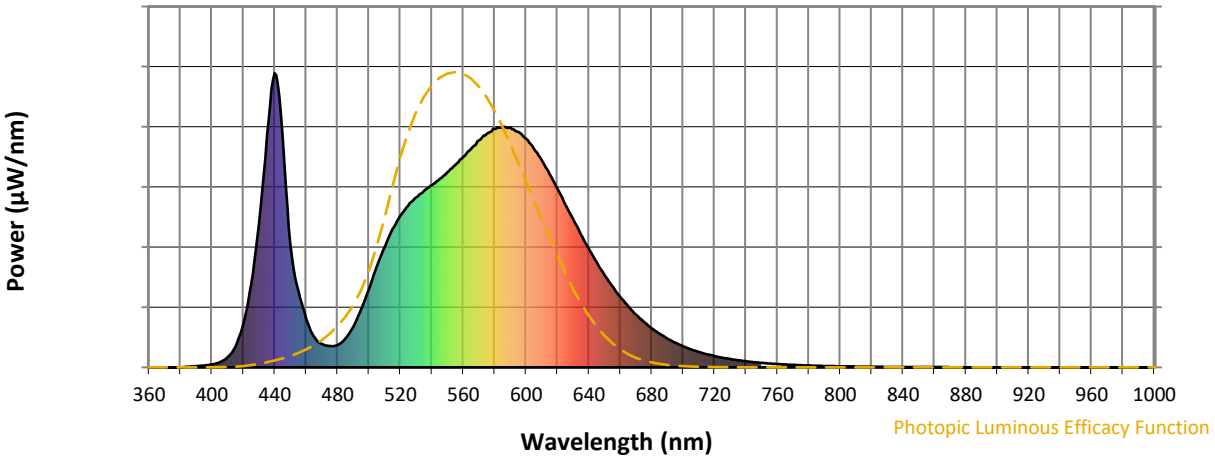


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

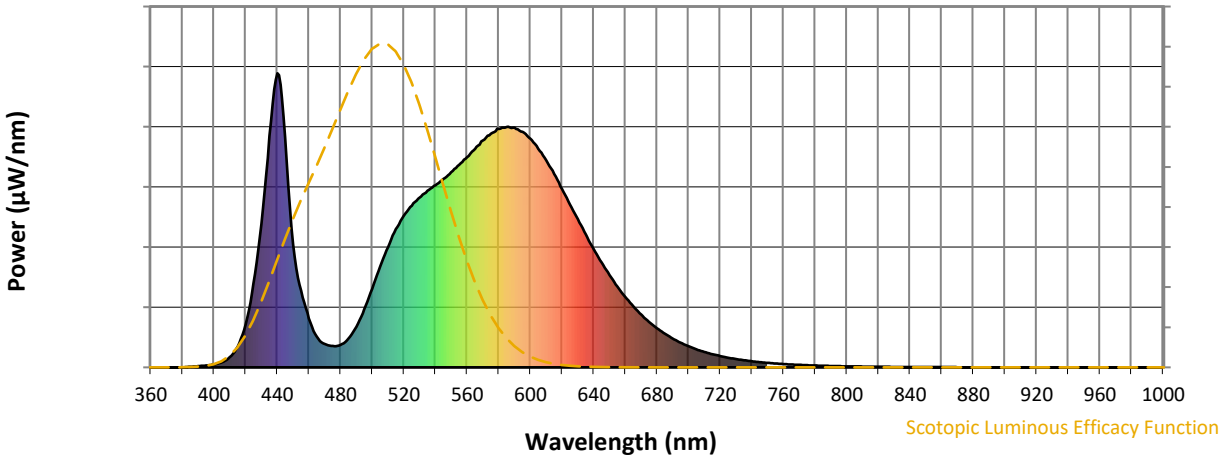


Photopic Lumens: NR

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

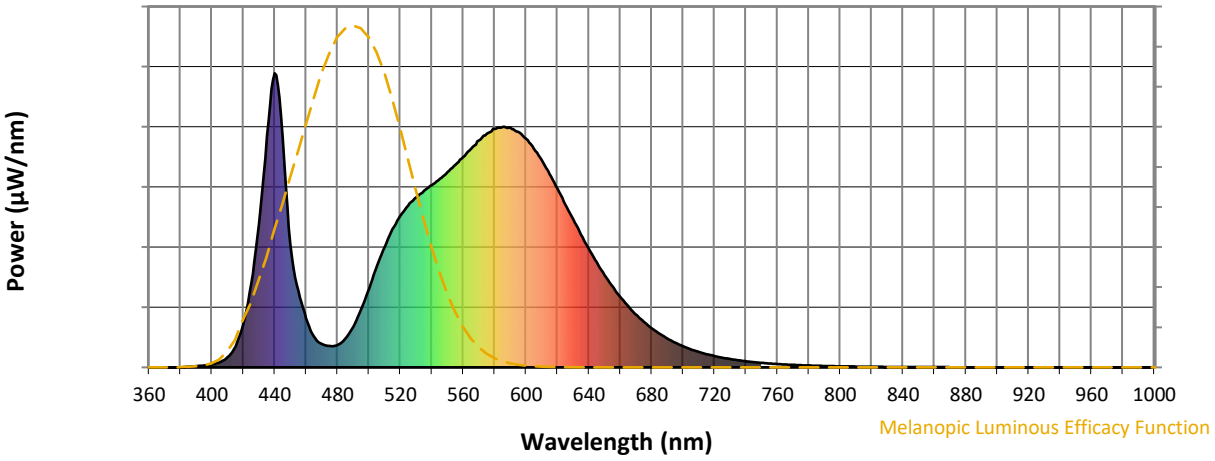


Scotopic Lumens: NR **S/P: 1.47**

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			

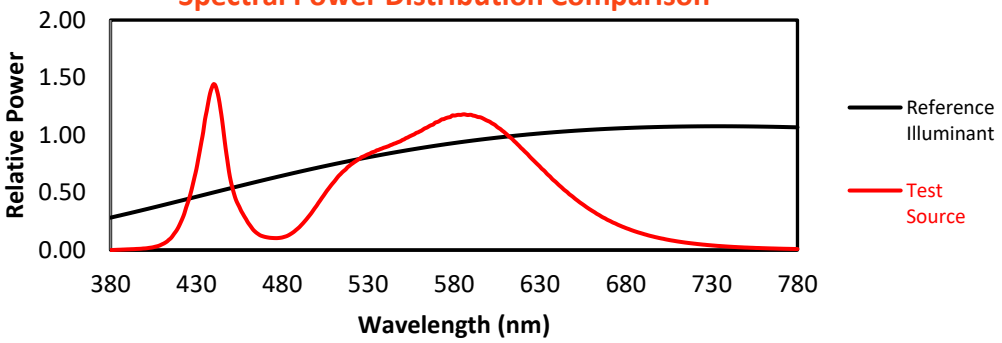
REPORT NUMBER: SP1-2407-184-1

TM-30-18

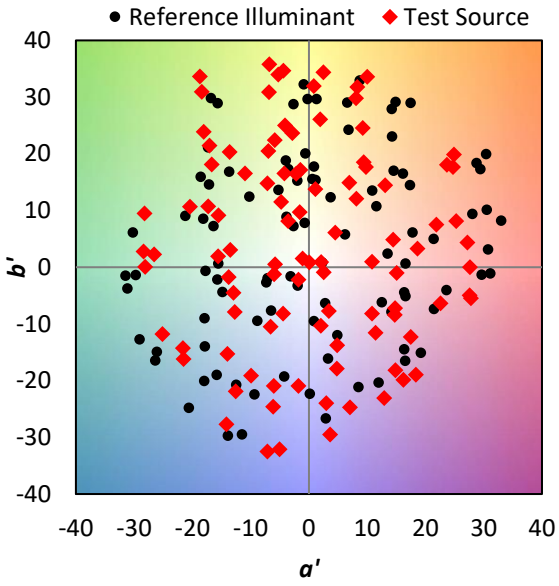
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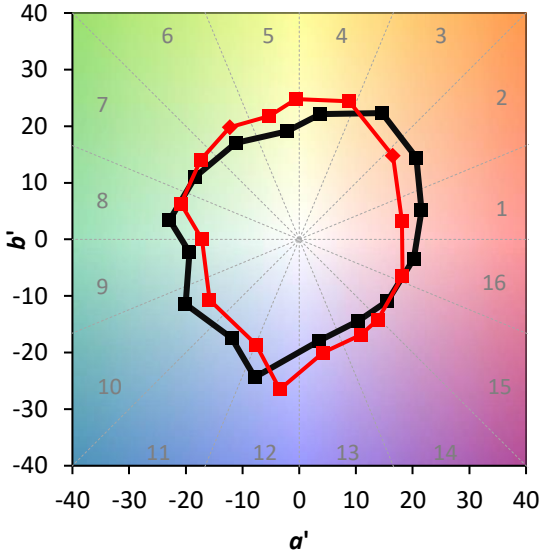
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

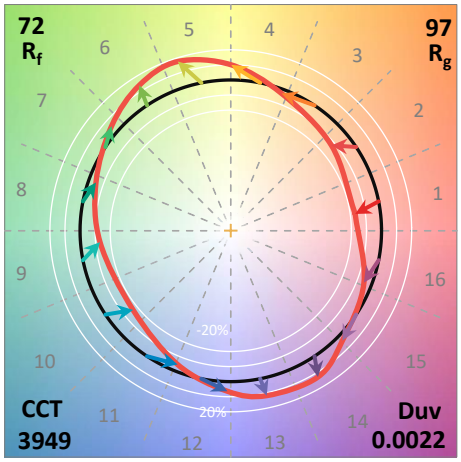
Spectral Power Distribution Comparison

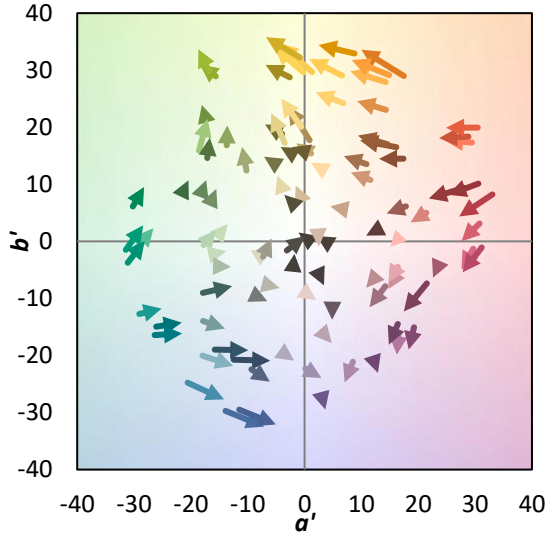


Color Vector Graphics







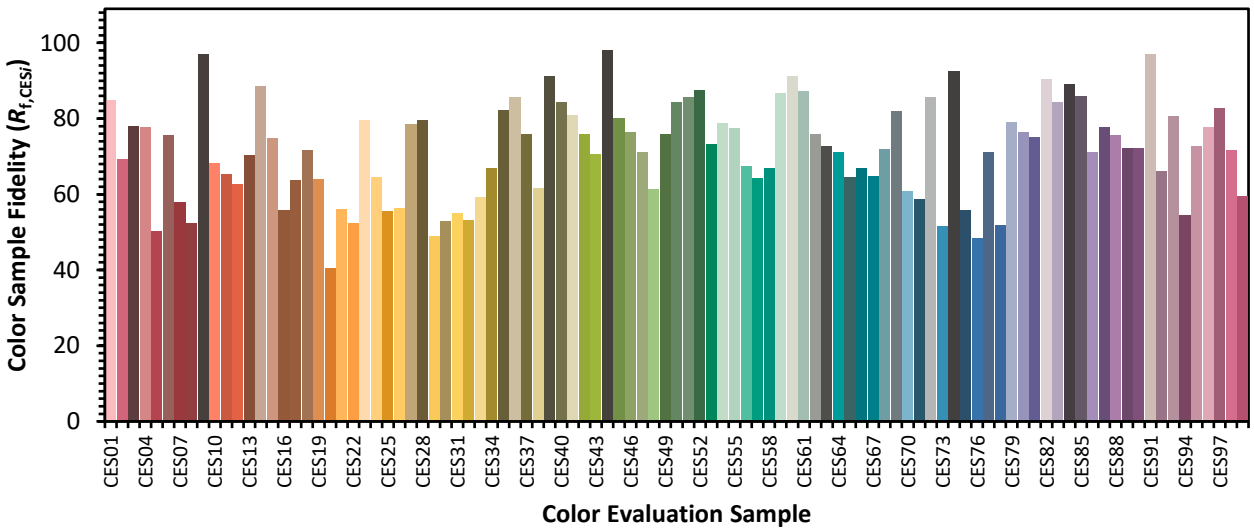


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Individual Sample Fidelity Index ($R_{f,i}$)

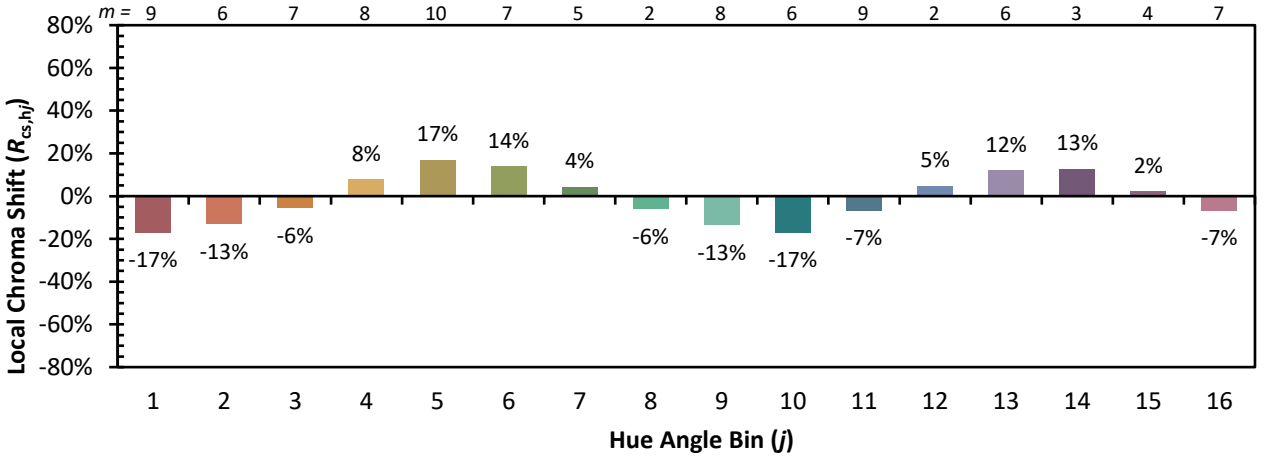
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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

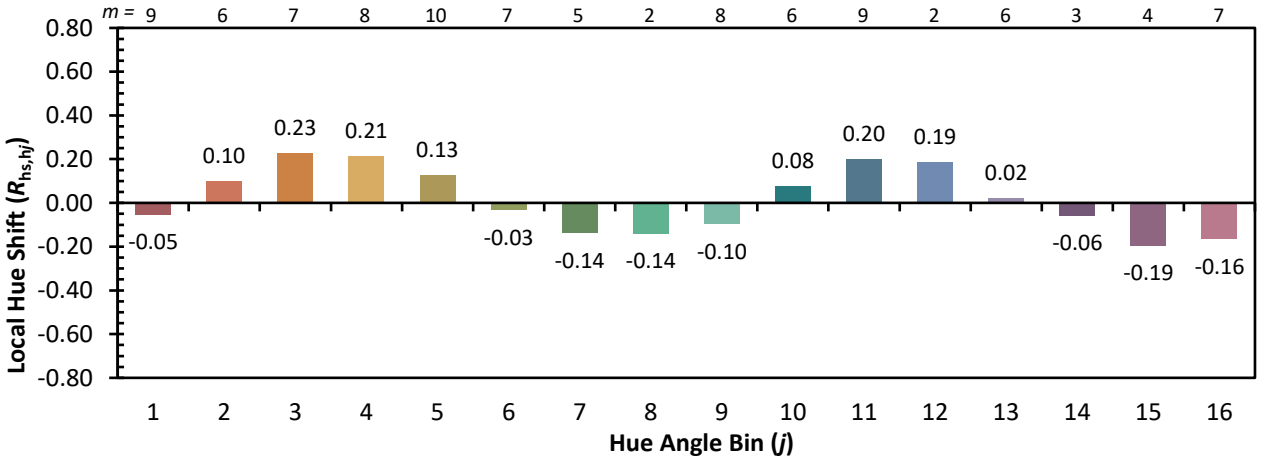


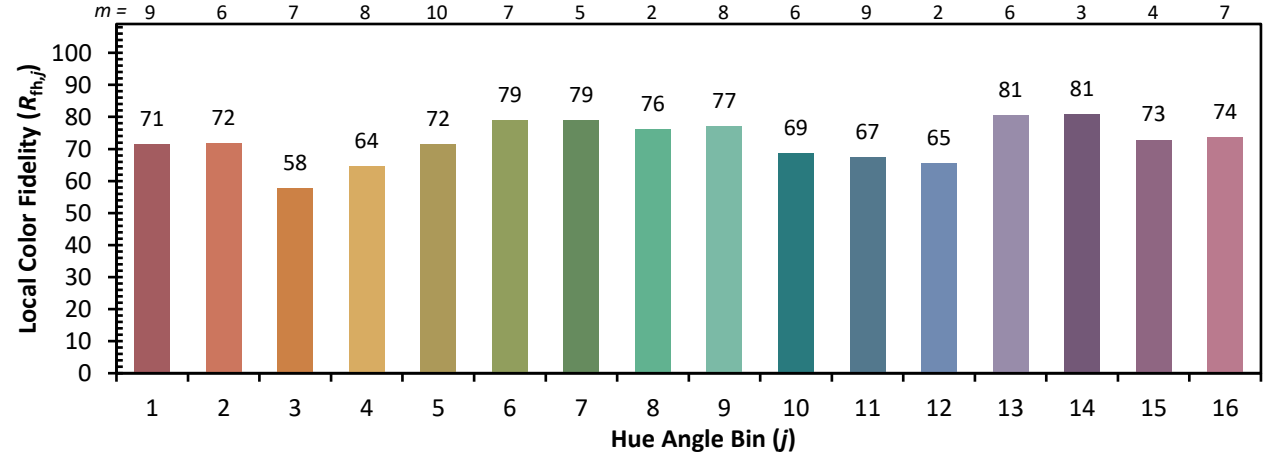
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Color Rendition by Hue-Angle Bin



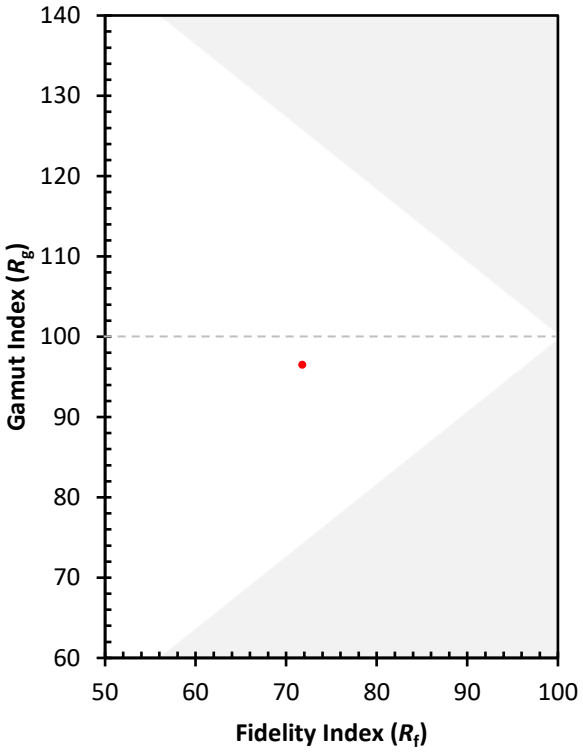


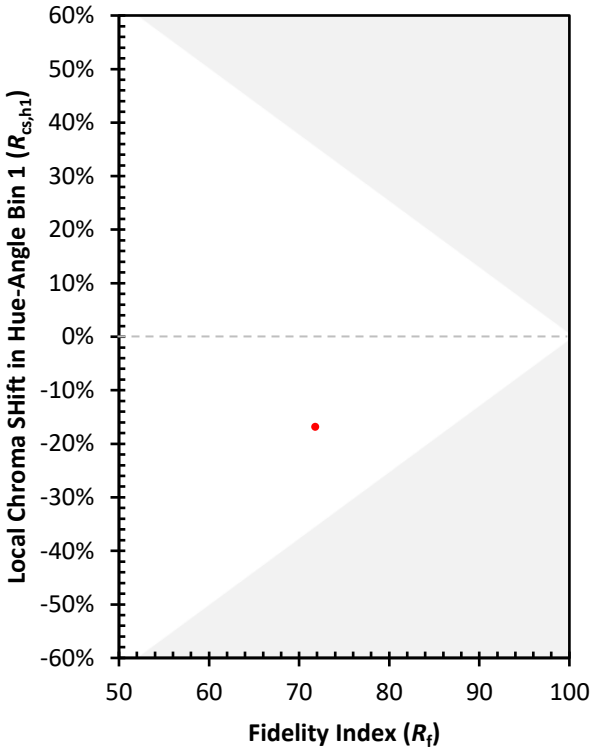


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Measure Comparisons





(END OF REPORT)