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: P1364615

Luminaire Tested: **GSS-SB5A-735-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:	P1364615
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-735-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16439.1 lumens
Efficiency:	N/A
Efficacy:	115.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

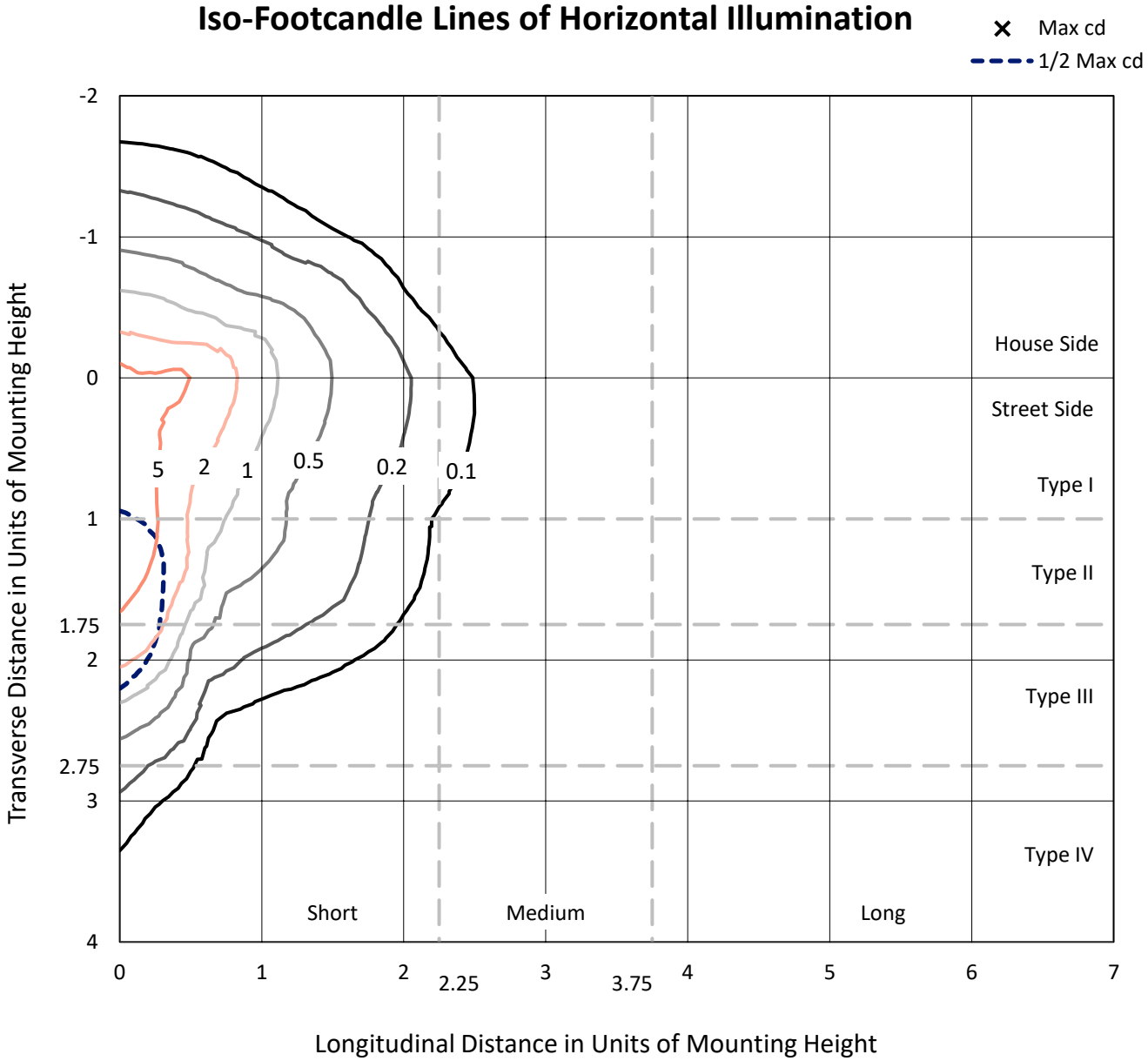
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



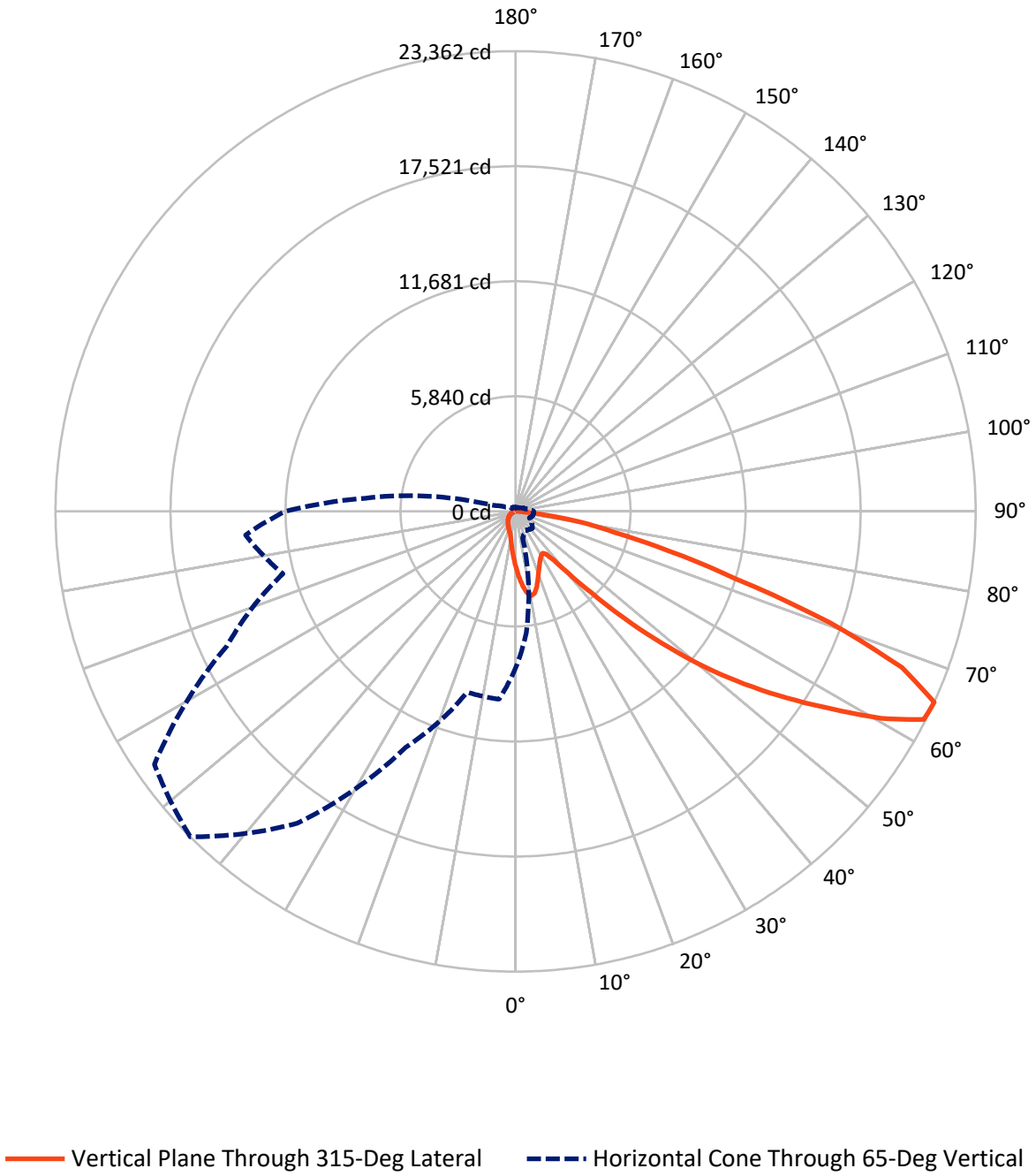
Based on 20 foot mounting height. Maximum calculated value = 9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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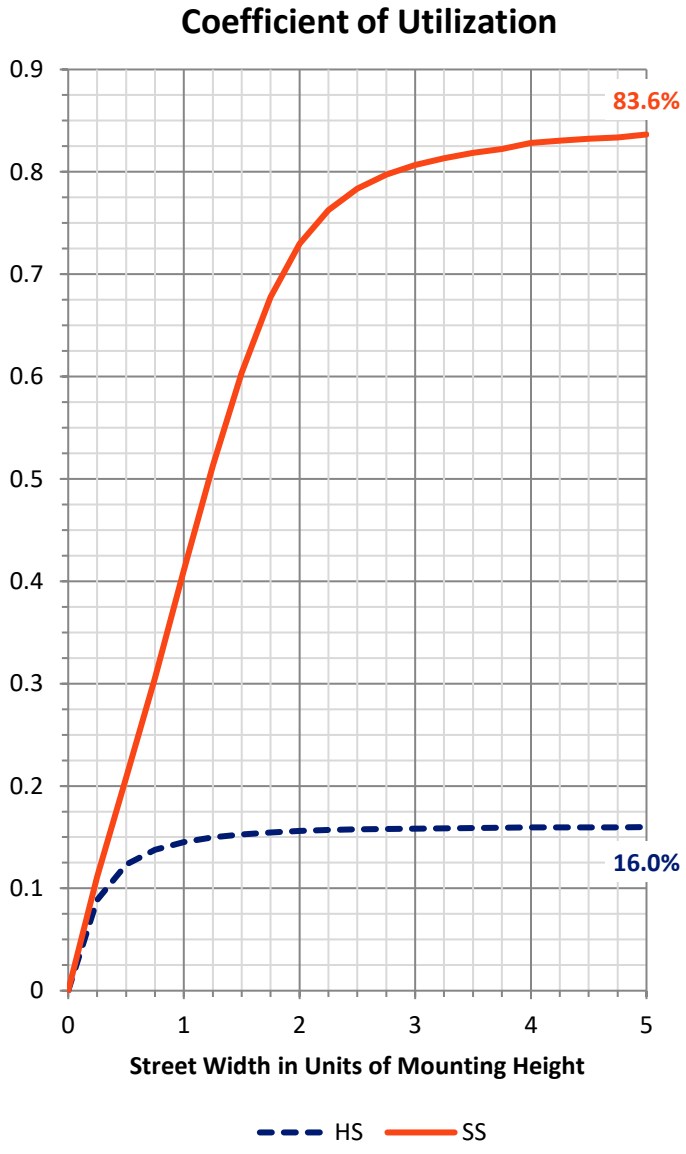
REPORT NUMBER: P1364615
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2657.4	0.0	2657.4
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	13781.6	0.0	13781.6
	% Fixture	83.8	0.0	83.8
Total	Lumens	16439.1	0.0	16439.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	1.7
10°-20°	755.4	4.6
20°-30°	1081.9	6.6
30°-40°	1357.0	8.3
40°-50°	2229.1	13.6
50°-60°	4022.7	24.5
60°-70°	4464.3	27.2
70°-80°	2017.0	12.3
80°-90°	238.5	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°	16439.1	100.0
0°-180°	16439.1	100.0



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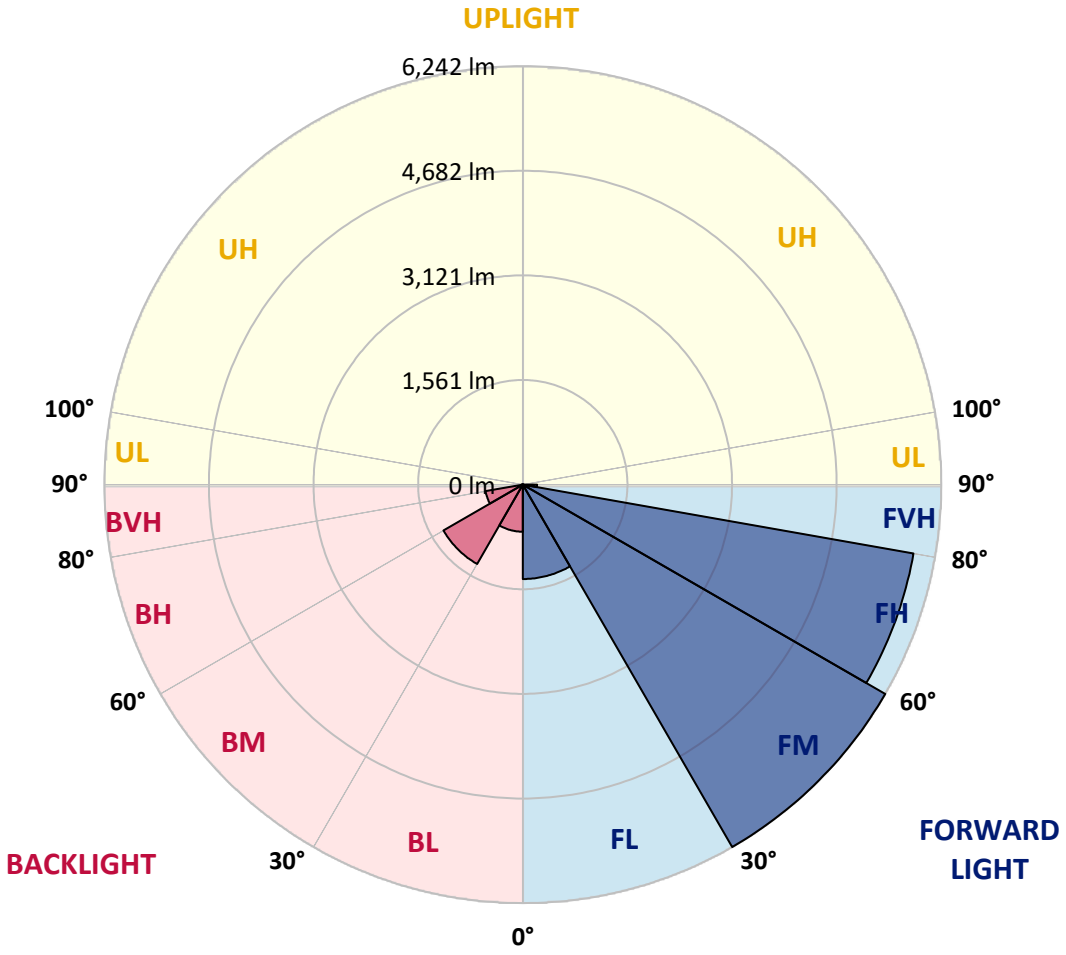
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1408.1	8.6			
FM	(30°-60°)	6242.4	38.0			
FH	(60°-80°)	5917.0	36.0			G3/7500
FVH	(80°-90°)	214.1	1.3			G2/225
BL	(0°-30°)	702.2	4.3	B2/1000		
BM	(30°-60°)	1366.5	8.3	B2/2500		
BH	(60°-80°)	564.4	3.4	B2/1000		G2/1000
BVH	(80°-90°)	24.4	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°	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0
2.5°	3205.4	3202.4	3190.3	3114.6	3038.8	2973.2	2907.6	2842.0	2751.1	2680.4	2619.9
5°	3508.3	3492.1	3427.5	3311.4	3185.2	3074.2	2948.0	2826.8	2690.5	2579.5	2463.4
7.5°	3715.3	3699.1	3634.5	3442.7	3250.9	3114.6	2978.3	2852.1	2700.6	2554.2	2387.7
10°	3811.2	3793.0	3720.3	3513.3	3291.2	3124.7	2988.4	2872.3	2746.1	2599.7	2392.7
12.5°	3876.8	3854.6	3765.7	3528.5	3301.3	3134.8	2993.4	2882.4	2791.5	2705.7	2503.8
15°	3917.2	3897.0	3816.2	3568.9	3306.4	3119.6	2953.0	2847.0	2816.7	2831.9	2736.0
17.5°	3977.8	3958.6	3881.8	3619.4	3336.7	3094.4	2867.2	2751.1	2816.7	2953.0	2983.3
20°	4058.5	4038.3	3957.6	3685.0	3361.9	3018.7	2705.7	2594.6	2761.2	2988.4	3144.9
22.5°	4149.4	4133.2	4068.6	3760.7	3387.2	2907.6	2493.7	2443.2	2645.1	2887.4	3089.3
25°	4260.4	4245.3	4184.7	3866.7	3412.4	2756.2	2311.9	2322.0	2493.7	2685.5	2892.5
27.5°	4411.9	4397.7	4341.2	3997.9	3442.7	2599.7	2165.6	2216.0	2342.2	2473.5	2599.7
30°	4578.5	4567.4	4522.9	4154.4	3503.3	2453.3	2079.7	2110.0	2195.8	2301.8	2377.6
32.5°	4805.6	4787.4	4714.8	4300.8	3498.2	2342.2	2039.4	2009.1	2034.3	2120.1	2195.8
35°	5088.3	5074.2	5017.6	4452.3	3407.3	2241.3	2019.2	1913.2	1898.0	1948.5	2024.2
37.5°	5502.2	5490.1	5441.7	4699.6	3266.0	2115.1	1968.7	1812.2	1761.7	1797.1	1847.5
40°	6123.1	6091.8	5966.6	4982.3	3109.5	1988.9	1877.8	1691.1	1620.4	1645.6	1701.1
42.5°	6966.1	6906.6	6668.3	5360.9	2897.5	1867.7	1741.5	1569.9	1494.2	1509.3	1559.8
45°	8046.4	7956.5	7597.1	5880.8	2675.4	1771.8	1600.2	1443.7	1362.9	1378.1	1433.6
47.5°	9308.4	9185.2	8692.5	6426.0	2438.1	1716.3	1489.1	1317.5	1256.9	1292.3	1347.8
50°	10797.5	10673.3	10176.6	6774.3	2246.3	1681.0	1403.3	1201.4	1176.2	1221.6	1267.0
52.5°	12422.9	12246.2	11539.5	6552.2	2089.8	1650.7	1373.0	1120.6	1130.7	1166.1	1211.5
55°	14002.9	13610.2	12039.3	5815.2	1887.9	1615.3	1393.2	1060.1	1085.3	1130.7	1166.1
57.5°	15032.7	14350.2	11620.3	4684.5	1675.9	1574.9	1408.4	1029.8	1050.0	1100.4	1140.8
60°	14134.2	13447.6	10701.6	3508.3	1494.2	1489.1	1383.1	1019.7	989.4	1060.1	1095.4
62.5°	11579.9	11014.5	8753.1	2241.3	1322.6	1327.6	1327.6	1014.6	888.4	979.3	1009.6
65°	*7955.5*	*7602.2*	*6188.7*	*1388.2*	*1080.3*	*1130.7*	*1206.5*	*984.3*	*782.4*	*888.4*	*918.7*
67.5°	5229.6	4970.2	3932.3	858.1	832.9	928.8	1044.9	923.8	701.7	797.6	817.8
70°	2836.9	2640.1	1852.6	565.4	545.2	726.9	822.8	782.4	631.0	711.8	731.9
72.5°	1872.8	1711.2	1065.1	398.8	398.8	570.4	575.5	641.1	565.4	631.0	651.2
75°	1408.4	1264.0	686.5	277.6	307.9	363.4	449.3	459.4	474.5	535.1	560.3
77.5°	646.1	567.4	252.4	166.6	227.2	252.4	343.3	292.8	353.4	398.8	408.9
80°	373.5	327.1	141.3	111.1	146.4	161.5	282.7	171.6	212.0	282.7	297.8
82.5°	156.5	139.3	70.7	75.7	90.9	95.9	156.5	121.1	136.3	186.8	181.7
85°	45.4	45.4	45.4	50.5	55.5	55.5	90.9	85.8	80.8	85.8	85.8
87.5°	30.3	30.3	30.3	30.3	35.3	35.3	40.4	45.4	50.5	50.5	50.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0
2.5°	2594.6	2559.3	2513.9	2448.2	2438.1	2402.8	2377.6	2402.8	2428.0	2473.5	2478.5
5°	2402.8	2347.3	2241.3	2160.5	2069.6	2024.2	2019.2	2009.1	2039.4	2105.0	2145.4
7.5°	2296.8	2205.9	2014.1	1872.8	1746.6	1701.1	1665.8	1696.1	1691.1	1776.9	1812.2
10°	2271.6	2130.2	1862.7	1650.7	1494.2	1433.6	1398.3	1393.2	1403.3	1453.8	1489.1
12.5°	2362.4	2180.7	1802.1	1489.1	1307.4	1241.8	1201.4	1166.1	1166.1	1176.2	1221.6
15°	2564.3	2347.3	1837.4	1413.4	1216.5	1130.7	1065.1	1019.7	984.3	989.4	994.4
17.5°	2847.0	2589.6	1928.3	1388.2	1161.0	1070.2	989.4	944.0	903.6	893.5	893.5
20°	3069.1	2821.8	1999.0	1368.0	1115.6	999.5	928.8	888.4	853.1	838.0	838.0
22.5°	3094.4	2917.7	2059.5	1342.7	1060.1	928.8	863.2	827.9	802.6	797.6	797.6
25°	2927.8	2842.0	2039.4	1312.5	1004.5	863.2	812.7	782.4	757.2	752.1	757.2
27.5°	2650.2	2604.7	1968.7	1272.1	959.1	812.7	767.3	742.0	716.8	711.8	716.8
30°	2402.8	2352.3	1847.5	1206.5	923.8	772.3	721.9	696.6	671.4	671.4	676.4
32.5°	2200.9	2150.4	1726.4	1130.7	878.3	726.9	681.5	656.2	631.0	631.0	641.1
35°	2019.2	1978.8	1630.5	1055.0	832.9	686.5	636.0	615.8	595.7	590.6	600.7
37.5°	1862.7	1842.5	1544.7	974.2	787.5	646.1	600.7	580.5	555.3	550.2	560.3
40°	1711.2	1701.1	1448.8	903.6	731.9	605.7	560.3	540.1	509.8	509.8	519.9
42.5°	1569.9	1564.9	1362.9	858.1	681.5	565.4	514.9	494.7	469.5	469.5	479.6
45°	1458.8	1453.8	1282.2	832.9	631.0	519.9	474.5	449.3	429.1	434.1	444.2
47.5°	1357.9	1347.8	1196.4	838.0	605.7	489.6	429.1	403.8	388.7	398.8	413.9
50°	1277.1	1267.0	1135.8	843.0	565.4	449.3	393.7	368.5	358.4	373.5	388.7
52.5°	1226.6	1216.5	1075.2	812.7	514.9	419.0	358.4	343.3	343.3	358.4	368.5
55°	1176.2	1166.1	974.2	747.1	459.4	388.7	333.2	323.1	323.1	338.2	348.3
57.5°	1145.9	1125.7	868.2	671.4	413.9	353.4	307.9	307.9	307.9	313.0	318.0
60°	1100.4	1050.0	757.2	575.5	378.6	318.0	287.7	282.7	282.7	277.6	282.7
62.5°	1004.5	918.7	636.0	489.6	338.2	287.7	262.5	257.4	242.3	227.2	232.2
65°	*908.6*	*777.4*	*504.8*	*408.9*	*292.8*	*247.3*	*232.2*	*227.2*	*201.9*	*181.7*	*186.8*
67.5°	787.5	620.9	378.6	343.3	252.4	212.0	196.9	196.9	181.7	166.6	166.6
70°	701.7	484.6	318.0	257.4	201.9	166.6	166.6	176.7	161.5	141.3	141.3
72.5°	620.9	393.7	257.4	207.0	156.5	131.2	141.3	146.4	131.2	116.1	116.1
75°	530.0	307.9	201.9	161.5	116.1	101.0	106.0	116.1	106.0	90.9	95.9
77.5°	383.6	212.0	136.3	106.0	85.8	75.7	80.8	80.8	75.7	70.7	70.7
80°	267.5	141.3	90.9	70.7	60.6	55.5	55.5	50.5	50.5	55.5	55.5
82.5°	161.5	101.0	65.6	55.5	45.4	35.3	35.3	40.4	40.4	45.4	45.4
85°	70.7	60.6	45.4	40.4	30.3	25.2	30.3	30.3	35.3	40.4	40.4
87.5°	45.4	45.4	35.3	30.3	25.2	20.2	20.2	25.2	25.2	30.3	35.3
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°	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0
2.5°	2498.7	2549.2	2609.8	2695.6	2771.3	2862.2	2953.0	3038.8	3119.6	3129.7	3165.0
5°	2175.7	2271.6	2392.7	2534.1	2705.7	2887.4	3064.1	3250.9	3402.3	3457.8	3538.6
7.5°	1842.5	1963.6	2140.3	2357.4	2599.7	2872.3	3144.9	3407.3	3634.5	3740.5	3846.5
10°	1524.5	1640.6	1857.6	2120.1	2433.1	2801.6	3165.0	3518.4	3796.0	3917.2	4018.1
12.5°	1236.7	1352.8	1529.5	1832.4	2211.0	2655.2	3134.8	3558.8	3866.7	3992.9	4088.8
15°	1009.6	1105.5	1272.1	1554.8	1953.5	2453.3	3028.7	3528.5	3881.8	4003.0	4073.7
17.5°	888.4	913.7	1019.7	1277.1	1711.2	2271.6	2892.5	3488.1	3891.9	4003.0	4043.4
20°	838.0	838.0	858.1	994.4	1418.5	2079.7	2791.5	3462.9	3907.1	4018.1	4013.1
22.5°	792.5	802.6	802.6	832.9	1080.3	1812.2	2685.5	3452.8	3952.5	4038.3	3967.7
25°	752.1	767.3	767.3	777.4	848.0	1494.2	2554.2	3473.0	4033.3	4078.7	3937.4
27.5°	716.8	731.9	731.9	742.0	757.2	1110.5	2337.2	3478.0	4124.1	4129.2	3897.0
30°	681.5	696.6	706.7	706.7	716.8	817.8	2064.6	3447.7	4225.1	4194.8	3891.9
32.5°	641.1	661.3	666.3	676.4	681.5	711.8	1711.2	3397.2	4351.3	4285.7	3897.0
35°	605.7	631.0	636.0	636.0	646.1	676.4	1368.0	3341.7	4522.9	4406.8	3917.2
37.5°	570.4	590.6	595.7	600.7	610.8	641.1	1085.3	3261.0	4669.3	4558.3	4018.1
40°	530.0	555.3	560.3	565.4	575.5	605.7	933.9	3160.0	4891.4	4810.7	4169.6
42.5°	489.6	514.9	525.0	530.0	535.1	575.5	853.1	3089.3	5249.8	5164.0	4477.5
45°	454.3	479.6	489.6	489.6	499.7	555.3	782.4	3245.8	5744.5	5704.1	4891.4
47.5°	424.0	449.3	454.3	454.3	459.4	525.0	721.9	3664.8	6501.7	6395.7	5537.6
50°	398.8	419.0	429.1	419.0	424.0	499.7	757.2	4356.4	7470.9	7506.2	6486.6
52.5°	378.6	398.8	403.8	383.6	383.6	464.4	802.6	4921.7	8707.7	9030.7	7990.8
55°	353.4	373.5	378.6	353.4	353.4	408.9	696.6	4957.1	10116.0	11155.9	9949.4
57.5°	328.1	348.3	348.3	328.1	323.1	353.4	565.4	4396.7	11206.4	13563.7	12629.9
60°	297.8	318.0	313.0	302.9	292.8	323.1	519.9	3351.8	11060.0	15133.6	15704.1
62.5°	242.3	272.6	282.7	277.6	257.4	292.8	484.6	2185.7	9570.8	13770.7	15608.2
65°	*201.9*	*227.2*	*242.3*	*242.3*	*227.2*	*323.1*	*424.0*	*1150.9*	*7662.7*	*11685.9*	*13760.6*
67.5°	176.7	201.9	212.0	207.0	196.9	287.7	267.5	555.3	5875.8	10070.6	12316.9
70°	156.5	176.7	186.8	171.6	161.5	232.2	191.8	328.1	3932.3	8404.8	10969.1
72.5°	126.2	146.4	156.5	141.3	126.2	171.6	146.4	217.1	2559.3	7163.0	9747.5
75°	101.0	121.1	126.2	116.1	101.0	126.2	116.1	151.4	1670.9	5926.3	8288.7
77.5°	75.7	85.8	95.9	90.9	75.7	90.9	80.8	106.0	954.1	4159.5	5815.2
80°	60.6	65.6	65.6	65.6	60.6	55.5	55.5	70.7	429.1	2049.5	3033.8
82.5°	50.5	55.5	55.5	50.5	45.4	40.4	35.3	40.4	126.2	918.7	1398.3
85°	45.4	50.5	40.4	35.3	30.3	25.2	15.1	15.1	35.3	146.4	272.6
87.5°	35.3	30.3	25.2	20.2	10.1	5.0	5.0	0.0	5.0	5.0	5.0
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: P1364615
CATALOG NUMBER: GSS-SB5A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2842.0	2842.0	2842.0	*2842.0*	2842.0	2842.0	2842.0	2842.0	2842.0	2842.0
2.5°	3220.6	3271.0	3306.4	*3336.7*	3326.6	3301.3	3250.9	3215.5	3207.4	3205.4
5°	3644.6	3725.4	3796.0	*3785.9*	3796.0	3720.3	3644.6	3553.7	3517.4	3508.3
7.5°	3997.9	4098.9	4184.7	*4174.6*	4144.3	4058.5	3932.3	3796.0	3731.4	3715.3
10°	4189.8	4305.9	4376.5	*4351.3*	4300.8	4189.8	4063.6	3902.0	3829.3	3811.2
12.5°	4225.1	4300.8	4285.7	*4275.6*	4265.5	4210.0	4114.1	3967.7	3895.0	3876.8
15°	4134.2	4104.0	4018.1	*3997.9*	4073.7	4144.3	4124.1	4003.0	3934.3	3917.2
17.5°	3982.8	3826.3	3669.8	*3649.6*	3775.8	3972.7	4129.2	4058.5	3993.9	3977.8
20°	3816.2	3523.4	3351.8	*3316.5*	3473.0	3765.7	4073.7	4114.1	4069.6	4058.5
22.5°	3619.4	3276.1	3094.4	*3074.2*	3190.3	3533.5	3992.9	4174.6	4154.4	4149.4
25°	3447.7	3059.0	2887.4	*2857.1*	3008.6	3341.7	3912.1	4275.6	4263.5	4260.4
27.5°	3306.4	2902.6	2720.8	*2700.6*	2847.0	3180.2	3811.2	4361.4	4401.8	4411.9
30°	3195.3	2786.4	2604.7	*2579.5*	2741.0	3069.1	3740.5	4482.5	4559.3	4578.5
32.5°	3109.5	2720.8	2549.2	*2534.1*	2705.7	3023.7	3700.1	4608.7	4766.2	4805.6
35°	3079.2	2741.0	2624.9	*2660.3*	2791.5	3069.1	3730.4	4815.7	5033.8	5088.3
37.5°	3144.9	2963.1	3043.9	*3134.8*	3185.2	3286.2	3871.8	5148.9	5431.6	5502.2
40°	3356.9	3558.8	3937.4	*4114.1*	4093.9	3861.7	4194.8	5618.3	6022.2	6123.1
42.5°	3897.0	4553.2	5355.8	*5653.7*	5482.0	4780.4	4709.7	6390.7	6851.0	6966.1
45°	4699.6	5754.6	7072.1	*7743.5*	7152.9	5946.4	5522.4	7491.1	7935.3	8046.4
47.5°	5502.2	7097.4	9192.3	*9989.8*	8828.8	7102.4	6587.5	8808.6	9208.4	9308.4
50°	6320.0	8581.5	11307.3	*12372.4*	10499.7	8278.6	7718.3	10434.0	10724.8	10797.5
52.5°	7163.0	9909.1	13639.5	*14558.2*	12246.2	9187.2	9010.5	12205.9	12379.5	12422.9
55°	8101.9	11166.0	15976.6	*16718.7*	13836.3	9979.7	10524.9	14058.4	14014.0	14002.9
57.5°	9353.8	12488.5	17859.5	*18894.3*	15280.0	11049.9	12549.1	16118.0	15249.7	15032.7
60°	11539.5	14543.0	20201.8	*21327.4*	17213.4	12614.7	14038.2	16072.6	14521.8	14134.2
62.5°	14073.6	16521.8	22321.9	*23270.9*	19247.7	14169.5	12852.0	13498.1	11963.6	11579.9
65°	*12226.0*	*16173.5*	*22387.5*	*23361.7*	*19323.4*	*13220.5*	*9500.2*	*9570.8*	*8278.6*	*7955.5*
67.5°	10403.8	14336.1	20388.5	*21155.8*	17238.6	10928.7	6299.8	6244.3	5432.6	5229.6
70°	9262.9	12559.2	17571.8	*16910.5*	14492.6	9237.7	4184.7	3467.9	2963.1	2836.9
72.5°	8324.0	9964.6	14240.2	*11655.6*	12024.1	7516.3	2660.3	2362.4	1970.7	1872.8
75°	7536.5	8243.2	8884.3	*8056.5*	8541.1	6193.8	2256.4	1822.3	1491.2	1408.4
77.5°	5996.9	6415.9	5259.9	*5108.5*	5981.8	4406.8	1120.6	767.3	670.4	646.1
80°	3568.9	3033.8	2983.3	*3402.3*	3982.8	2286.7	686.5	424.0	383.6	373.5
82.5°	2160.5	1095.4	1191.3	*1504.3*	2120.1	1039.9	408.9	181.7	161.5	156.5
85°	363.4	297.8	459.4	*439.2*	413.9	222.1	111.1	50.5	46.4	45.4
87.5°	10.1	15.1	20.2	*25.2*	25.2	25.2	25.2	25.2	29.3	30.3
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

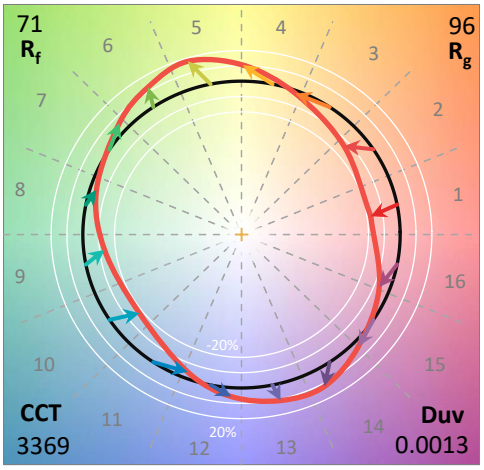
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

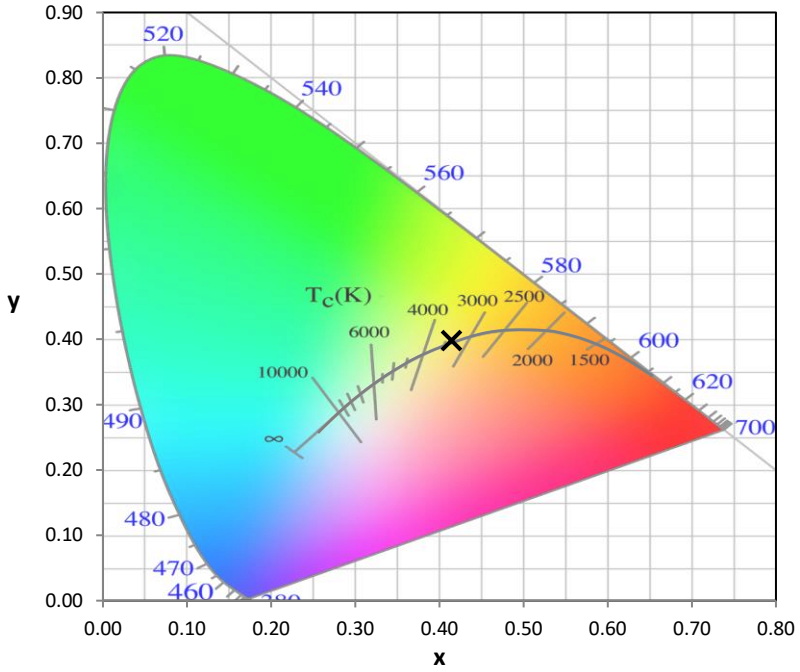
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

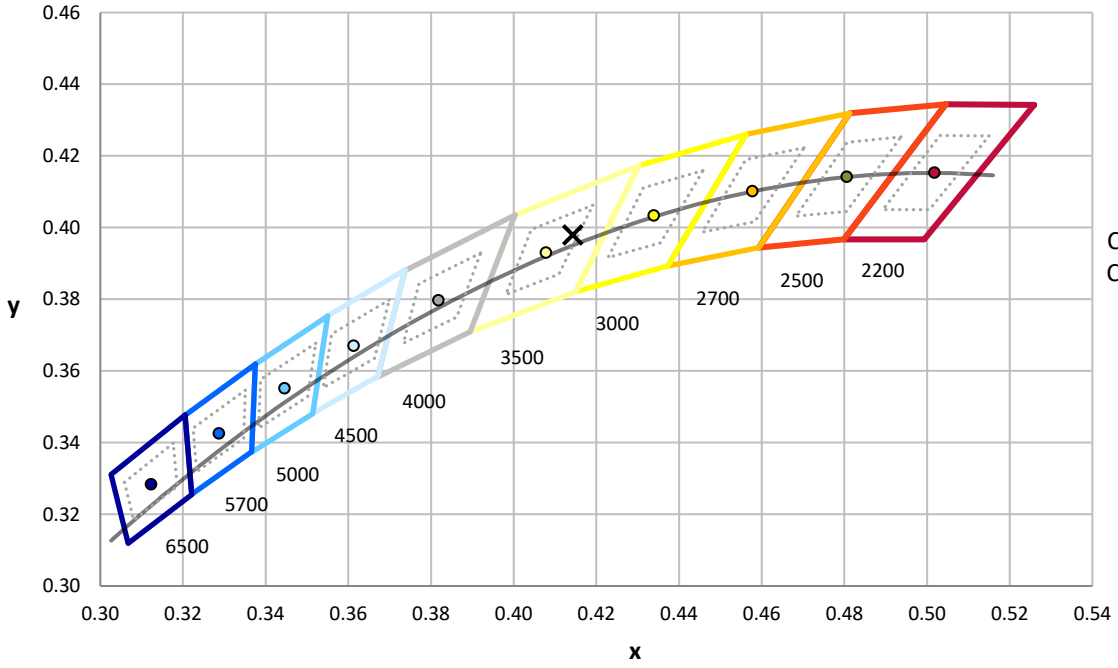
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

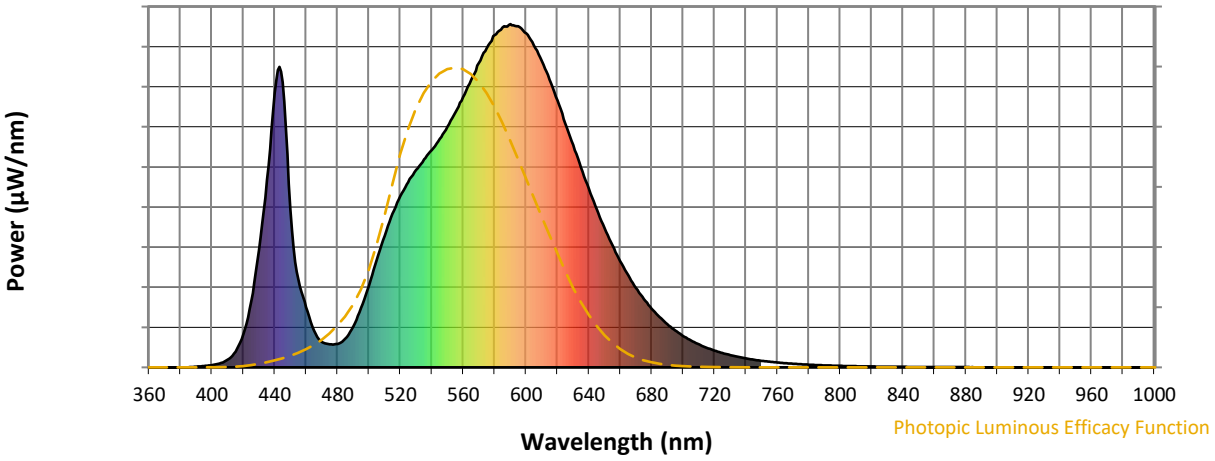


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

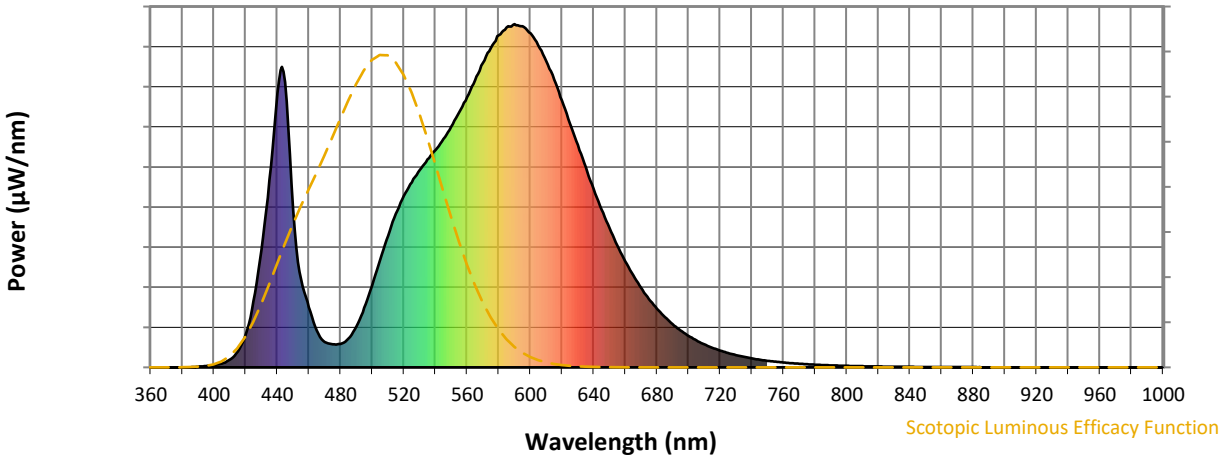


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

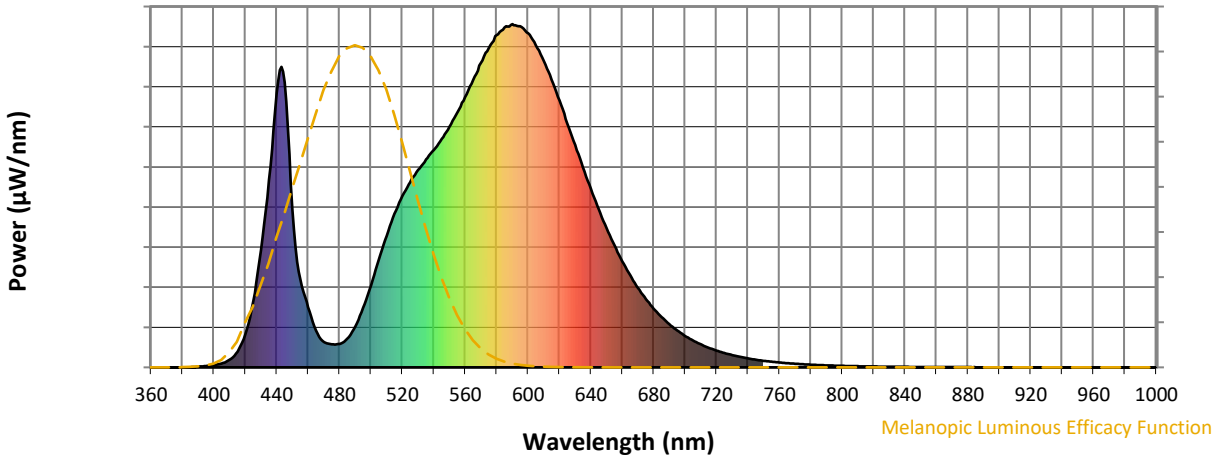


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

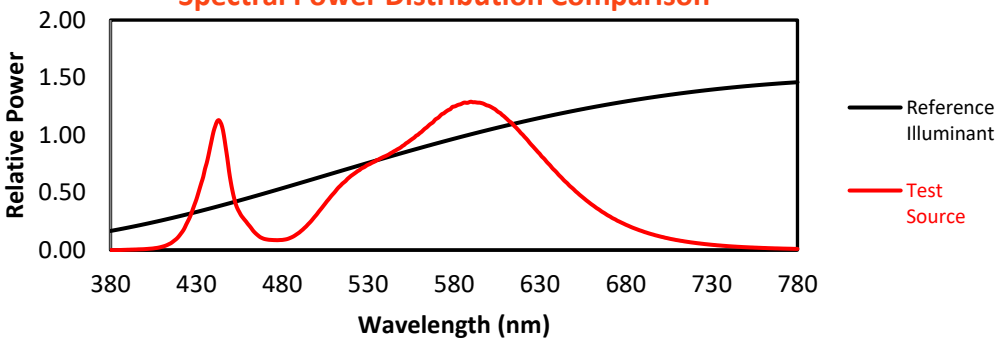
REPORT NUMBER: SP1-2407-184-5

TM-30-18

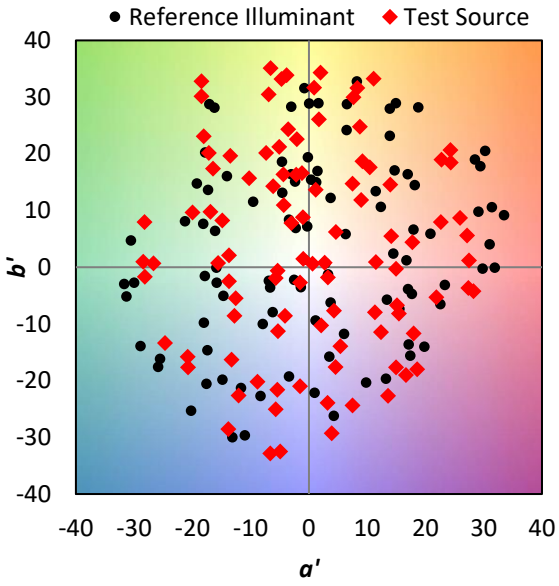
Summary

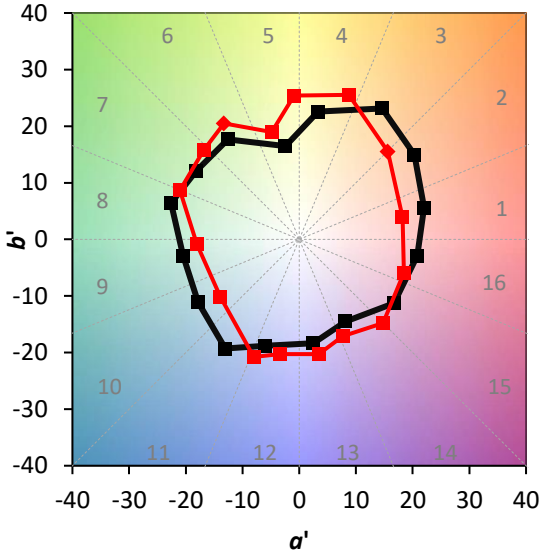
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

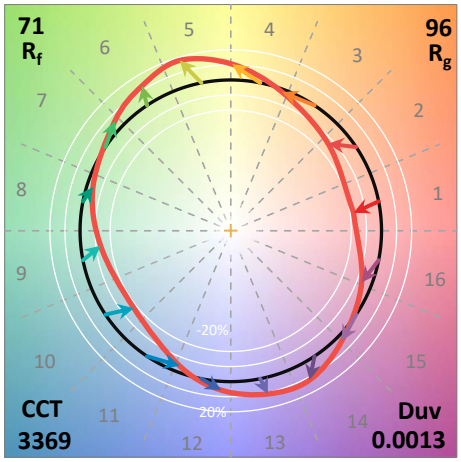
Spectral Power Distribution Comparison

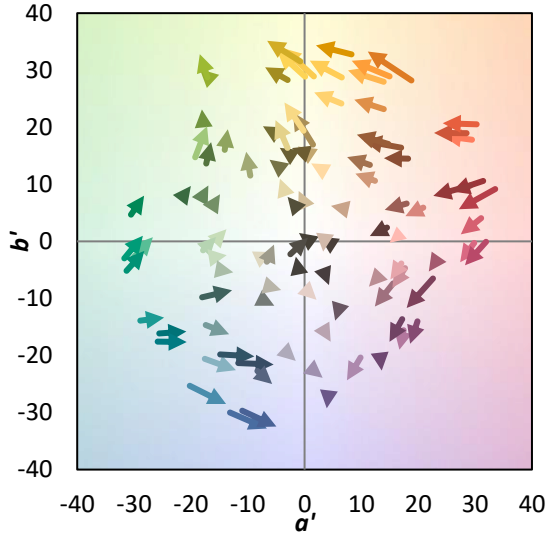


Color Vector Graphics







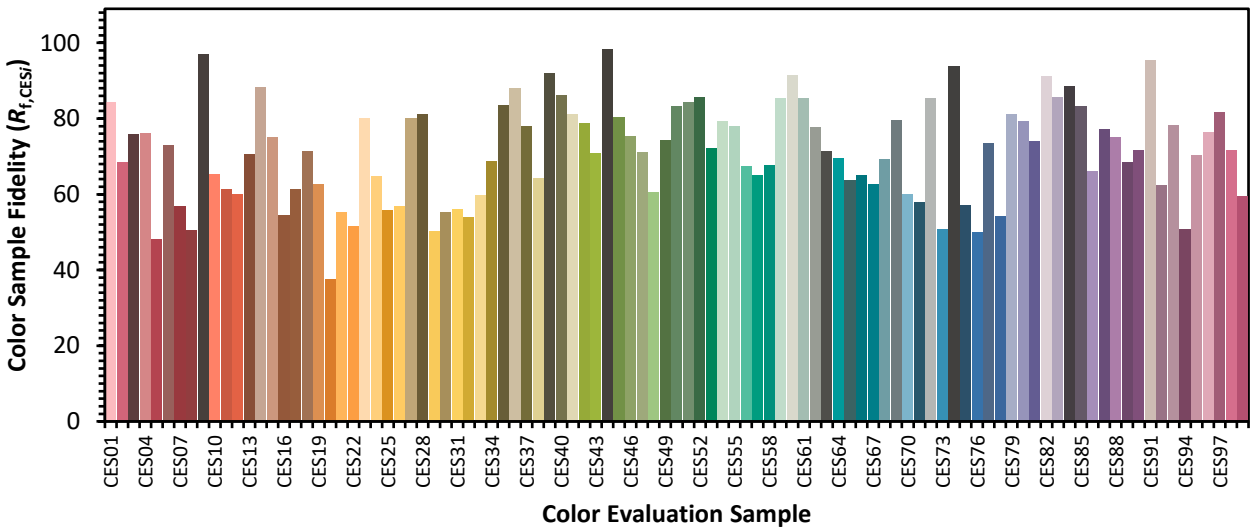


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Individual Sample Fidelity Index ($R_{f,i}$)

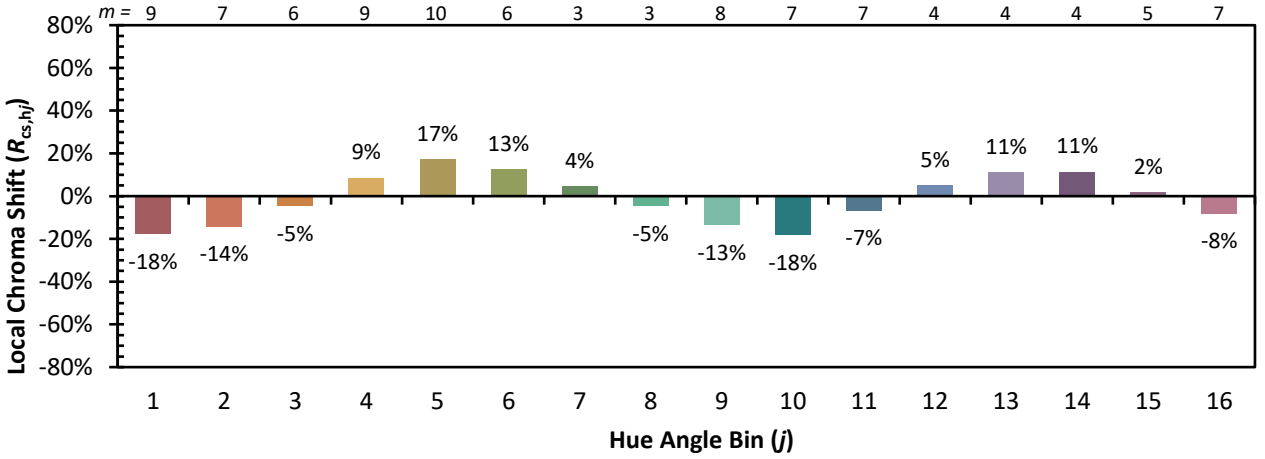
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

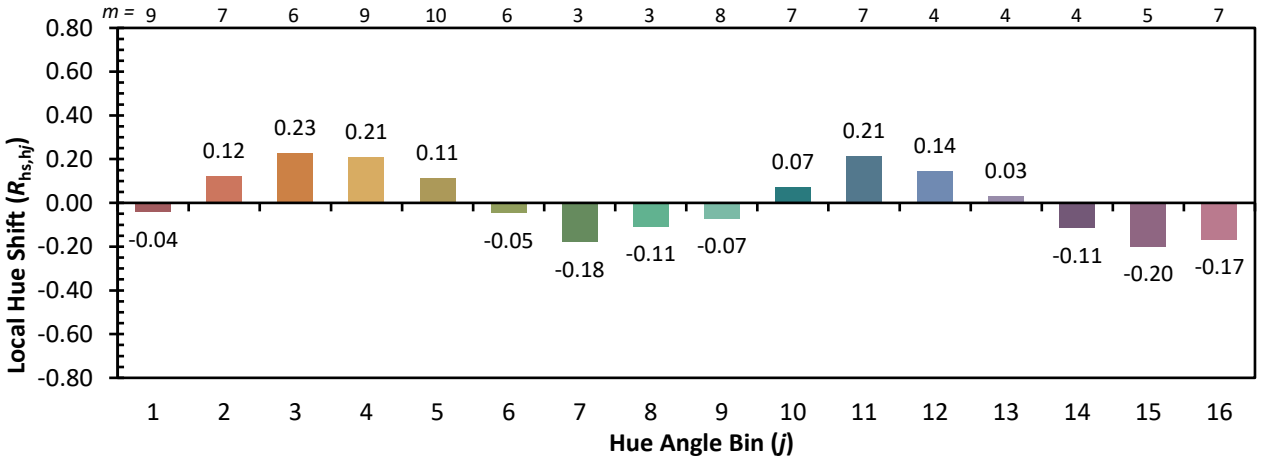


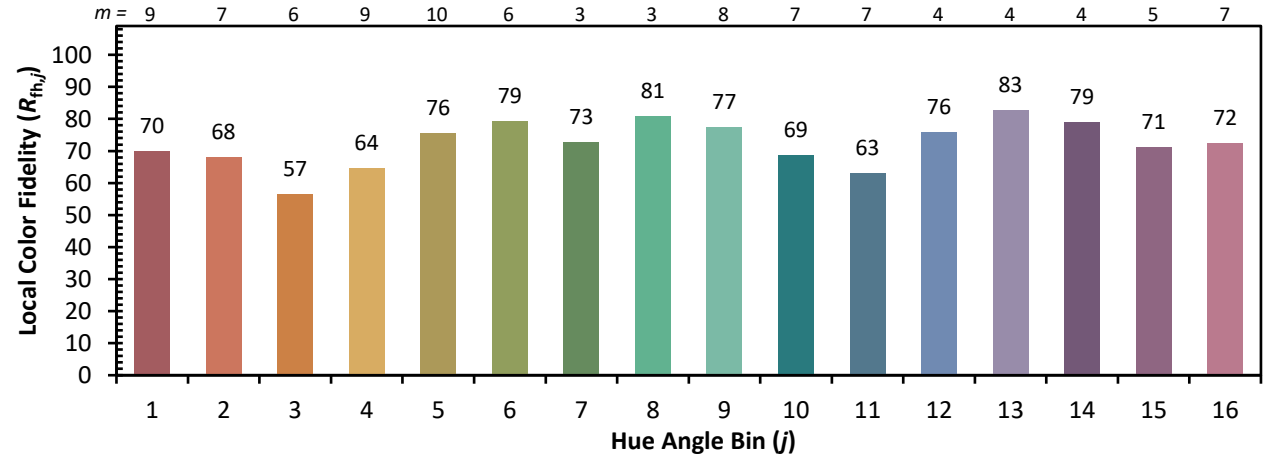
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Color Rendition by Hue-Angle Bin



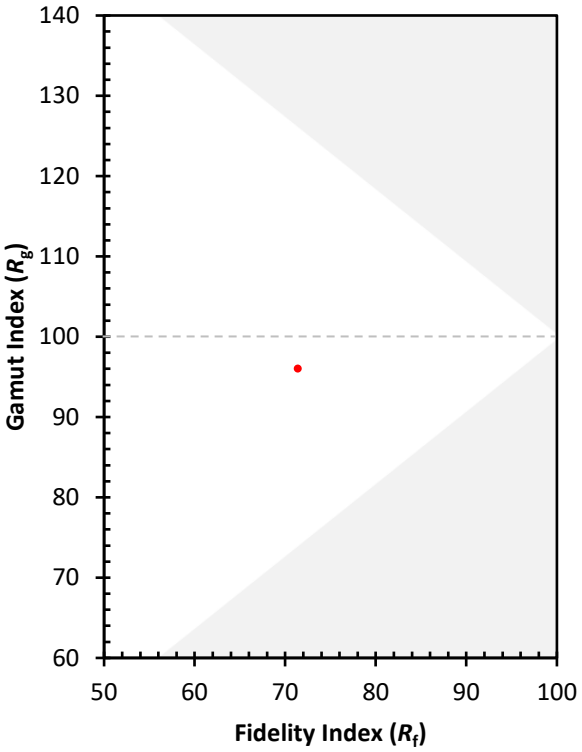


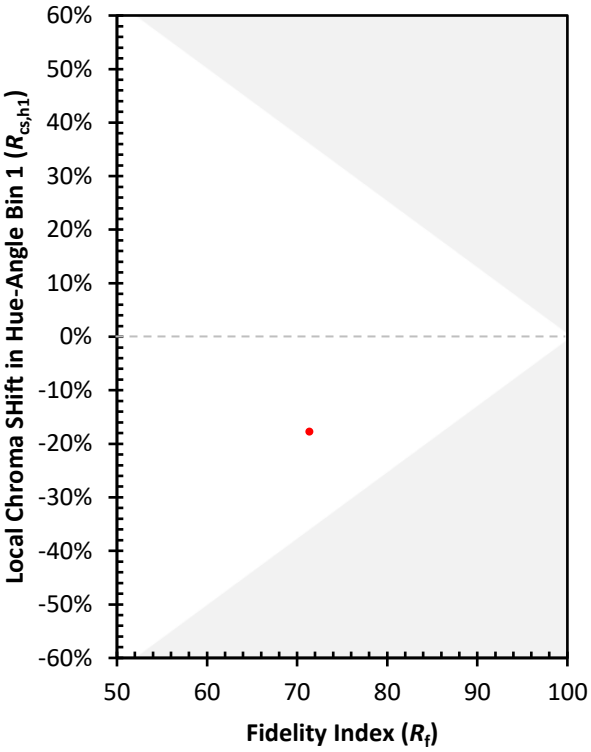


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Measure Comparisons





(END OF REPORT)