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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501823

Luminaire Tested: GSS-SB5C-735-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501823
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29312.5 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

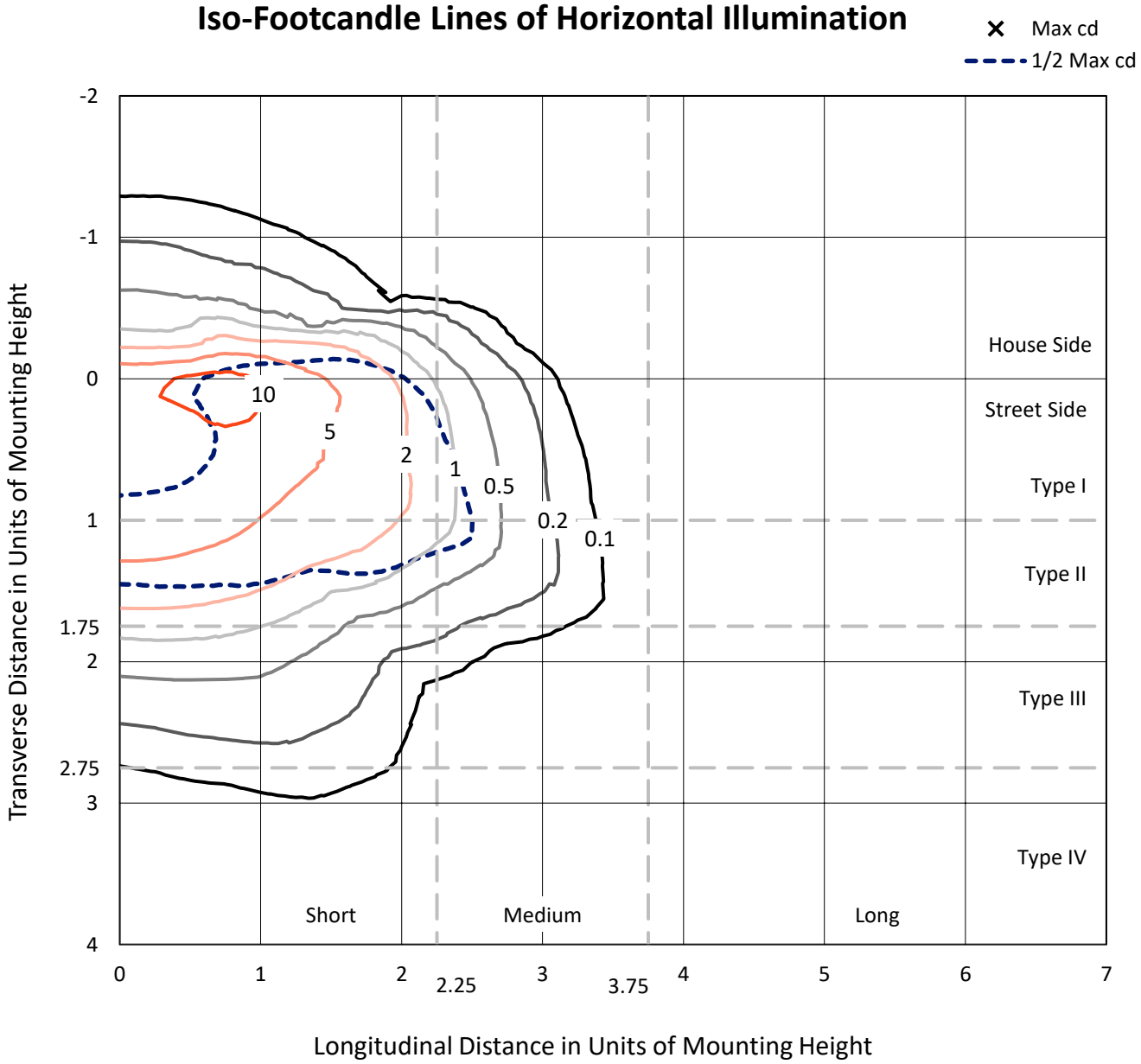
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



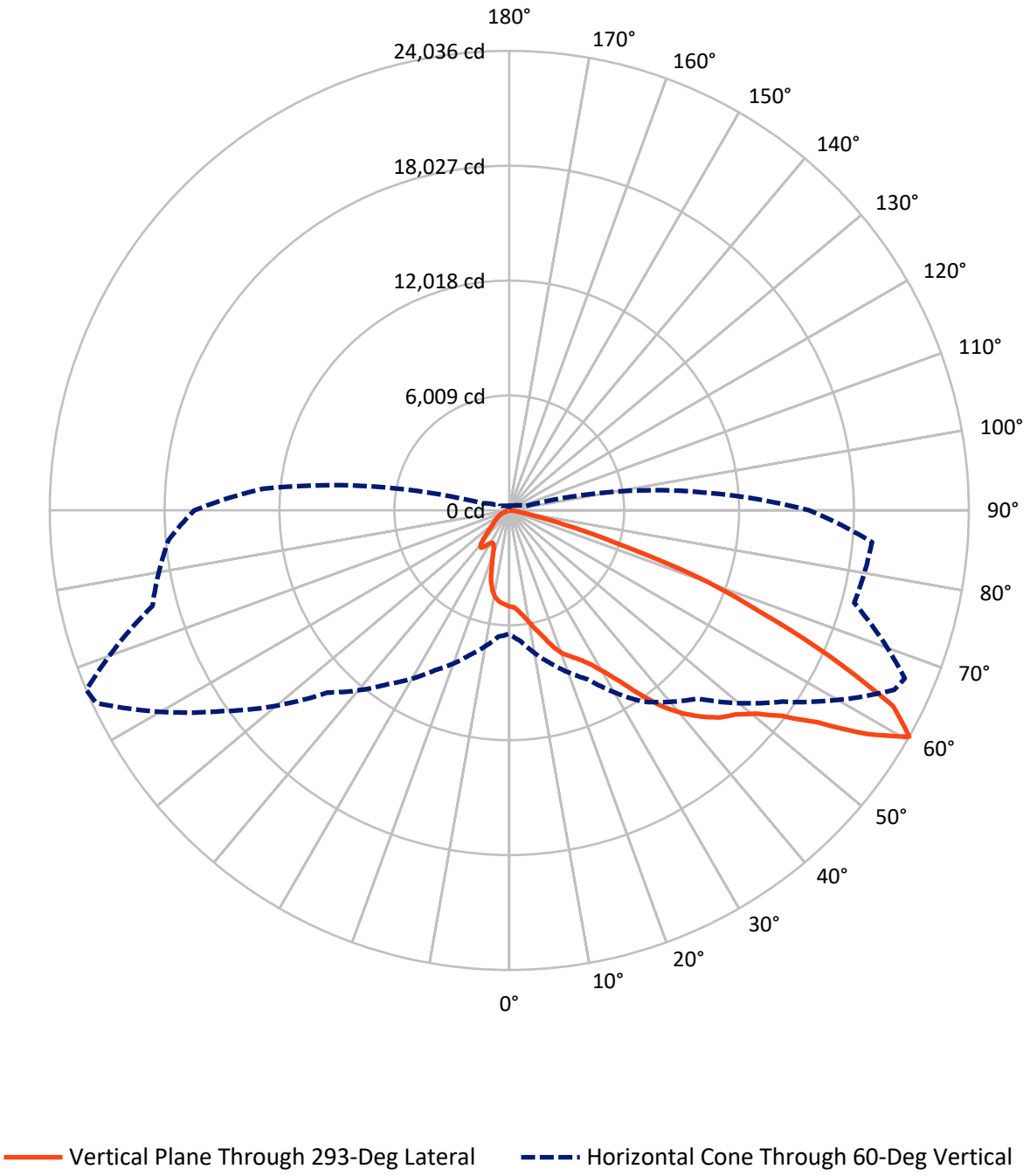
Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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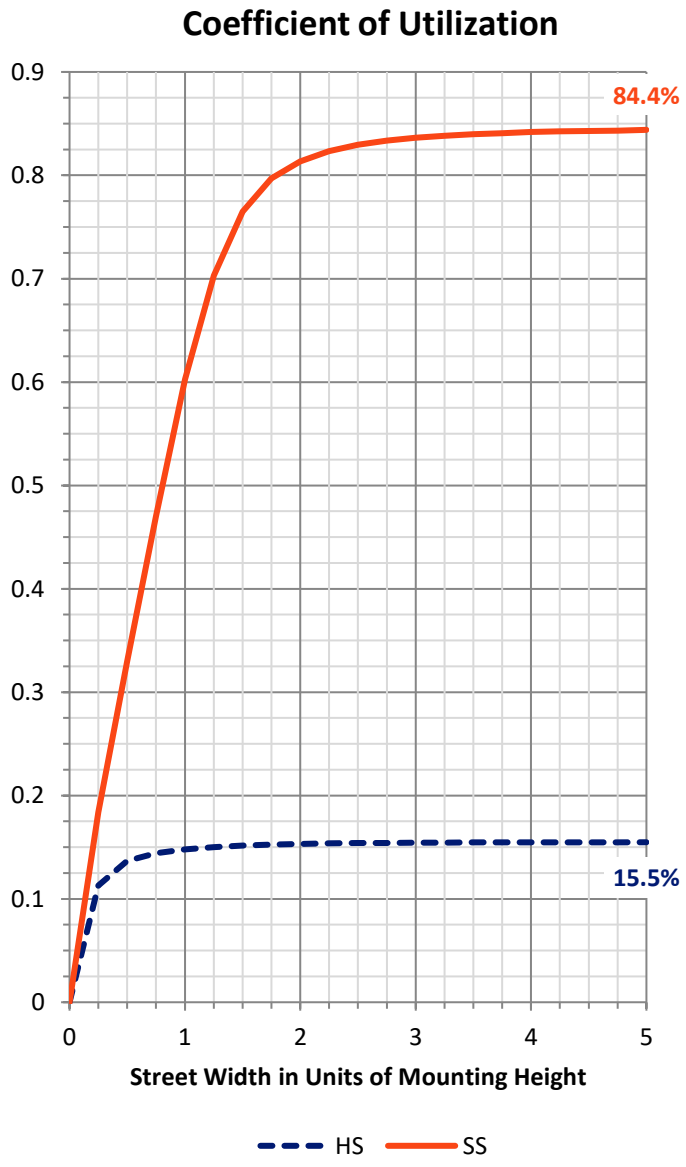
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4573.5	0.0	4573.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	24739.0	0.0	24739.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	29312.5	0.0	29312.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.8	1.6
10°-20°	1145.7	3.9
20°-30°	2138.8	7.3
30°-40°	4241.4	14.5
40°-50°	6762.4	23.1
50°-60°	8079.3	27.6
60°-70°	5296.5	18.1
70°-80°	1109.7	3.8
80°-90°	83.9	0.3
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°	29312.5	100.0
0°-180°	29312.5	100.0



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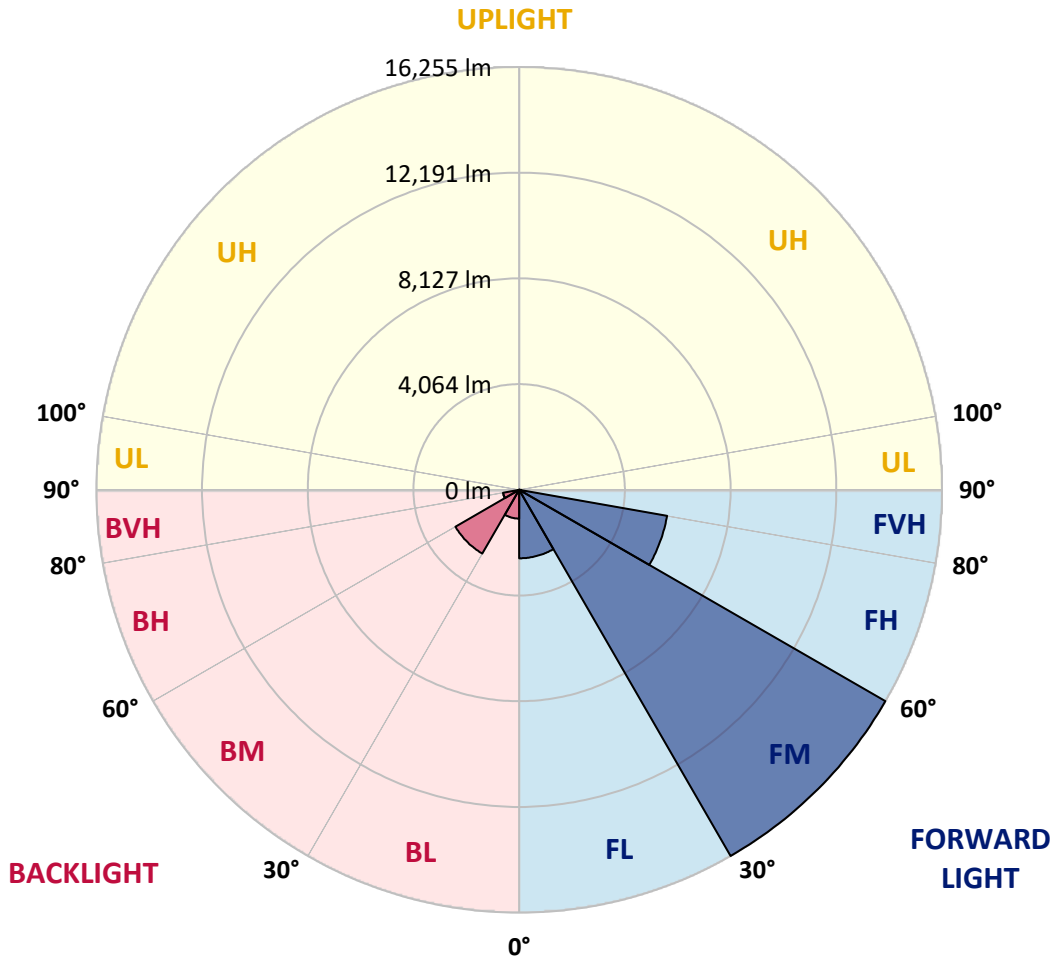
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2632.9	9.0			
FM	(30°-60°)	16254.9	55.5			
FH	(60°-80°)	5774.4	19.7			G3/7500
FVH	(80°-90°)	76.9	0.3			G1/100
BL	(0°-30°)	1106.5	3.8	B3/2500		
BM	(30°-60°)	2828.2	9.6	B3/5000		
BH	(60°-80°)	631.8	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9
2.5°	5278.3	5261.9	5237.3	5245.5	5237.3	5204.5	5155.2	5114.2	5147.0	5097.7	5064.9
5°	5434.3	5434.3	5417.9	5417.9	5426.1	5409.7	5376.8	5319.4	5327.6	5286.6	5179.8
7.5°	5434.3	5409.7	5450.7	5491.8	5565.7	5606.7	5623.1	5590.3	5606.7	5524.6	5385.1
10°	5114.2	5097.7	5204.5	5360.4	5573.9	5762.7	5885.8	5894.0	5918.6	5836.5	5672.4
12.5°	4432.8	4400.0	4613.4	4908.9	5344.0	5779.1	6123.9	6255.2	6312.7	6279.8	6050.0
15°	3800.7	3841.8	3989.5	4309.7	4892.5	5557.4	6255.2	6690.3	6772.4	6813.4	6542.5
17.5°	3735.1	3743.3	3792.5	3948.5	4391.8	5196.3	6271.6	7141.8	7256.7	7437.3	7067.9
20°	3915.7	3899.2	3948.5	3997.7	4211.2	4876.1	6115.7	7576.8	7798.5	8184.3	7782.1
22.5°	4252.2	4252.2	4276.9	4309.7	4416.4	4851.5	6050.0	7979.1	8356.7	9144.7	8676.8
25°	4818.6	4753.0	4769.4	4728.3	4818.6	5147.0	6197.7	8299.2	8816.4	10211.9	9744.0
27.5°	5697.0	5721.6	5573.9	5352.2	5401.5	5680.6	6558.9	8660.4	9292.5	11320.1	10827.6
30°	6911.9	6870.9	6780.6	6345.5	6148.5	6394.8	7223.9	9251.5	9932.8	12723.8	12272.3
32.5°	7864.2	7979.1	7823.1	7519.4	7215.6	7289.5	8159.7	10203.7	10712.7	14012.6	13766.4
35°	9013.4	9013.4	9046.2	8619.4	8414.2	8397.7	9333.6	11238.0	11747.0	15178.3	15350.7
37.5°	10564.9	10458.2	10277.6	9801.5	9645.5	9850.7	10433.5	12305.2	12855.2	16122.3	16582.0
40°	11870.1	11944.0	11919.4	11229.8	10926.1	11147.7	11664.9	13216.4	13643.2	16729.8	17575.3
42.5°	13150.7	13191.7	13085.0	12756.7	12313.4	12329.8	12756.7	13905.9	14341.0	17312.6	18511.1
45°	14111.1	14102.9	14029.1	13947.0	13684.3	13413.4	13487.3	14669.4	15047.0	17501.4	19020.1
47.5°	14414.9	14480.6	14546.2	14776.1	14956.7	14529.8	14152.2	15079.8	15424.6	17468.6	19208.9
50°	14135.8	14275.3	14595.5	14940.3	15555.9	15523.1	14710.4	15523.1	15859.7	17649.2	19430.5
52.5°	13511.9	13651.4	14078.3	14702.2	15629.8	16089.5	15744.7	16270.1	16664.1	18108.9	19890.2
55°	12058.9	12116.4	12994.7	13815.6	15260.4	15843.2	16852.9	17534.3	17862.6	18667.1	20497.7
57.5°	9817.9	9957.4	10819.4	12157.4	14226.1	15194.7	17485.0	19693.2	19685.0	19200.7	20629.0
60°	*6460.4*	*6870.9*	*8274.6*	*9752.2*	*12223.1*	*13922.3*	*17444.0*	*22221.6*	*22476.0*	*18675.3*	*19044.7*
62.5°	4933.6	5106.0	5902.2	7133.6	9046.2	11541.8	17173.1	22976.8	23173.8	17263.4	16672.3
65°	3710.4	3923.9	4687.3	5787.3	6386.5	7823.1	15400.0	19972.3	20243.2	15408.2	12961.9
67.5°	2273.9	2446.3	3464.2	4753.0	4835.1	4859.7	10392.5	15129.1	15227.6	12428.3	8726.1
70°	1518.7	1691.0	2397.0	3653.0	3850.0	2799.2	5705.2	11451.5	11443.2	8504.5	5303.0
72.5°	878.4	960.4	1518.7	2692.5	3029.1	1781.3	2848.5	7281.3	6961.2	3997.7	2479.1
75°	500.7	558.2	837.3	1732.1	2126.1	1132.8	1124.6	3899.2	3447.8	2060.4	1354.5
77.5°	303.7	328.4	459.7	1132.8	1280.6	763.4	623.9	1814.2	1748.5	1206.7	714.2
80°	147.8	172.4	279.1	664.9	820.9	410.4	377.6	714.2	763.4	664.9	377.6
82.5°	49.3	65.7	156.0	254.5	533.6	164.2	156.0	394.0	418.7	394.0	180.6
85°	24.6	32.8	73.9	82.1	205.2	82.1	57.5	172.4	213.4	131.3	73.9
87.5°	0.0	8.2	8.2	8.2	8.2	8.2	8.2	16.4	16.4	16.4	16.4
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°	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9
2.5°	5040.3	5023.9	4991.0	4933.6	4925.4	4884.3	4818.6	4777.6	4744.8	4769.4	4777.6
5°	5130.6	5089.5	4991.0	4835.1	4670.9	4506.7	4350.7	4170.1	4047.0	4030.6	3997.7
7.5°	5294.8	5212.7	4999.2	4695.5	4276.9	3882.8	3423.1	2979.8	2758.2	2725.4	2651.5
10°	5557.4	5417.9	5064.9	4449.2	3644.8	2823.9	2126.1	1650.0	1379.1	1329.8	1346.3
12.5°	5869.4	5672.4	5073.1	4030.6	2774.6	1748.5	1206.7	1026.1	968.7	944.0	944.0
15°	6271.6	5984.3	5064.9	3488.8	1871.6	1124.6	968.7	894.8	870.1	853.7	853.7
17.5°	6780.6	6403.0	5007.4	2676.1	1264.2	976.9	886.6	829.1	796.3	788.1	788.1
20°	7379.8	6870.9	4876.1	1994.8	1059.0	911.2	837.3	763.4	738.8	722.4	722.4
22.5°	8143.3	7437.3	4621.6	1551.5	1001.5	870.1	788.1	706.0	681.3	664.9	664.9
25°	9029.8	8159.7	4285.1	1395.5	993.3	837.3	738.8	656.7	632.1	623.9	615.7
27.5°	10080.6	8931.3	3973.1	1403.7	1009.7	812.7	689.6	615.7	591.0	566.4	574.6
30°	11320.1	9727.6	3718.6	1502.2	1026.1	788.1	656.7	591.0	566.4	533.6	533.6
32.5°	12543.2	10663.4	3694.0	1682.8	1083.6	771.6	623.9	558.2	533.6	509.0	509.0
35°	13799.2	11517.1	3833.6	1920.9	1198.5	747.0	582.8	525.4	500.7	484.3	476.1
37.5°	14997.7	12198.5	3964.9	2068.7	1132.8	640.3	533.6	484.3	459.7	426.9	426.9
40°	15794.0	12567.9	3989.5	1953.7	935.8	574.6	484.3	435.1	402.2	385.8	377.6
42.5°	16376.8	12805.9	3710.4	1584.3	812.7	525.4	443.3	394.0	369.4	353.0	353.0
45°	16614.9	12723.8	3234.3	1206.7	747.0	484.3	402.2	361.2	344.8	328.4	328.4
47.5°	16582.0	12346.2	2750.0	968.7	681.3	443.3	377.6	344.8	328.4	311.9	303.7
50°	16524.6	11993.2	2257.5	861.9	607.5	418.7	353.0	328.4	303.7	287.3	279.1
52.5°	16902.2	11878.3	1871.6	788.1	566.4	402.2	344.8	311.9	287.3	270.9	270.9
55°	17279.8	11927.6	1469.4	738.8	525.4	394.0	336.6	303.7	279.1	254.5	254.5
57.5°	17255.2	11714.1	1116.4	689.6	492.5	385.8	328.4	295.5	254.5	238.1	238.1
60°	*15687.3*	*10450.0*	*870.1*	*632.1*	*451.5*	*361.2*	*303.7*	*279.1*	*238.1*	*213.4*	*213.4*
62.5°	13265.6	8217.1	714.2	558.2	402.2	328.4	279.1	254.5	213.4	172.4	172.4
65°	9801.5	5926.8	574.6	484.3	369.4	287.3	254.5	221.6	172.4	139.6	131.3
67.5°	6632.8	3644.8	459.7	402.2	328.4	246.3	213.4	188.8	156.0	114.9	106.7
70°	3932.1	1937.3	336.6	279.1	246.3	180.6	180.6	164.2	131.3	98.5	90.3
72.5°	1871.6	673.1	246.3	205.2	188.8	131.3	139.6	139.6	106.7	73.9	65.7
75°	952.2	328.4	164.2	147.8	123.1	98.5	114.9	106.7	73.9	49.3	49.3
77.5°	541.8	229.9	114.9	98.5	82.1	65.7	73.9	65.7	41.0	24.6	24.6
80°	303.7	164.2	73.9	65.7	49.3	41.0	41.0	32.8	24.6	8.2	8.2
82.5°	114.9	98.5	49.3	32.8	24.6	24.6	16.4	16.4	8.2	0.0	0.0
85°	49.3	24.6	24.6	16.4	16.4	8.2	8.2	8.2	0.0	0.0	0.0
87.5°	8.2	8.2	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9
2.5°	4711.9	4728.3	4744.8	4810.4	4826.9	4876.1	4917.1	4966.4	4974.6	5040.3	5040.3
5°	4063.4	4055.2	4194.8	4400.0	4531.3	4711.9	4851.5	4999.2	5081.3	5188.0	5237.3
7.5°	2692.5	2897.8	3209.7	3570.9	4038.8	4473.9	4802.2	5089.5	5286.6	5409.7	5458.9
10°	1338.1	1453.0	1781.3	2372.4	3168.6	4055.2	4753.0	5286.6	5606.7	5746.3	5836.5
12.5°	944.0	968.7	1026.1	1346.3	2109.7	3365.7	4597.0	5500.0	5943.3	6206.0	6320.9
15°	845.5	861.9	886.6	976.9	1305.2	2511.9	4317.9	5738.0	6468.6	6772.4	6920.1
17.5°	779.8	788.1	812.7	886.6	1026.1	1707.5	3866.4	5992.5	7100.7	7470.1	7749.2
20°	722.4	722.4	747.0	837.3	952.2	1313.4	3217.9	6279.8	7905.2	8438.8	8717.9
22.5°	656.7	673.1	689.6	788.1	927.6	1198.5	2610.4	6501.5	8800.0	9448.5	9776.8
25°	607.5	623.9	640.3	738.8	903.0	1198.5	2257.5	6641.0	9801.5	10573.1	11024.6
27.5°	566.4	582.8	607.5	706.0	878.4	1247.8	2117.9	6682.1	10893.2	11894.7	12502.2
30°	533.6	550.0	574.6	681.3	894.8	1305.2	2167.2	6624.6	12001.5	13257.4	13979.8
32.5°	500.7	517.2	541.8	656.7	894.8	1379.1	2331.3	6509.7	13076.8	14620.1	15506.7
35°	476.1	484.3	492.5	591.0	812.7	1370.9	2536.6	6394.8	14160.4	15966.4	17000.7
37.5°	426.9	435.1	451.5	509.0	648.5	1247.8	2577.6	6255.2	15014.1	17099.2	18240.2
40°	377.6	394.0	410.4	467.9	541.8	1009.7	2397.0	5959.7	15465.6	17969.3	19356.7
42.5°	344.8	353.0	369.4	426.9	500.7	804.5	2011.2	5442.5	15867.9	18560.4	20169.3
45°	320.1	328.4	344.8	385.8	467.9	697.8	1584.3	4810.4	15900.7	18749.2	20563.4
47.5°	295.5	303.7	311.9	353.0	451.5	623.9	1214.9	4235.8	15892.5	18995.5	20899.9
50°	279.1	287.3	303.7	336.6	426.9	558.2	1001.5	3767.9	16237.3	19529.0	21581.3
52.5°	270.9	270.9	295.5	328.4	402.2	509.0	837.3	3349.2	16417.9	20054.4	22073.8
55°	254.5	262.7	279.1	311.9	377.6	484.3	714.2	2823.9	16499.9	20317.1	22164.1
57.5°	238.1	246.3	270.9	295.5	361.2	459.7	615.7	2109.7	15326.1	18946.2	20653.7
60°	*213.4*	*229.9*	*262.7*	*287.3*	*336.6*	*418.7*	*541.8*	*1428.4*	*12929.1*	*16467.1*	*17895.5*
62.5°	172.4	205.2	238.1	254.5	303.7	353.0	459.7	952.2	10326.8	13626.8	15252.2
65°	131.3	172.4	197.0	221.6	254.5	295.5	385.8	648.5	6887.3	9169.4	11000.0
67.5°	114.9	147.8	164.2	180.6	213.4	254.5	311.9	451.5	4178.3	5508.2	7314.2
70°	90.3	123.1	139.6	131.3	164.2	197.0	221.6	303.7	2134.3	2988.1	4161.9
72.5°	65.7	98.5	106.7	106.7	98.5	139.6	164.2	213.4	927.6	1453.0	1888.1
75°	49.3	65.7	73.9	65.7	57.5	90.3	114.9	139.6	607.5	870.1	1100.0
77.5°	24.6	24.6	41.0	41.0	24.6	49.3	57.5	82.1	344.8	509.0	632.1
80°	8.2	0.0	0.0	8.2	0.0	16.4	24.6	41.0	180.6	270.9	394.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	90.3	82.1	205.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	49.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1501823
CATALOG NUMBER: GSS-SB5C-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9	5023.9
2.5°	5081.3	5081.3	5114.2	5163.4	5188.0	5204.5	5212.7	5229.1	5294.8	5278.3
5°	5294.8	5311.2	5335.8	5385.1	5442.5	5426.1	5426.1	5426.1	5467.1	5434.3
7.5°	5573.9	5623.1	5631.3	5688.8	5647.7	5565.7	5516.4	5442.5	5434.3	5434.3
10°	6025.4	6008.9	6008.9	5935.1	5787.3	5549.2	5335.8	5188.0	5106.0	5114.2
12.5°	6509.7	6444.0	6452.2	6181.3	5762.7	5237.3	4802.2	4482.1	4457.4	4432.8
15°	7108.9	6936.5	6903.7	6279.8	5393.3	4588.8	4161.9	3907.5	3825.4	3800.7
17.5°	7962.7	7527.6	7371.6	6107.4	4908.9	4186.6	3866.4	3751.5	3743.3	3735.1
20°	8865.6	8003.7	7708.2	5853.0	4744.8	4194.8	3956.7	3923.9	3907.5	3915.7
22.5°	9916.4	8307.4	7929.8	5894.0	4892.5	4465.7	4276.9	4252.2	4235.8	4252.2
25°	11000.0	8660.4	8192.5	6222.4	5335.8	4966.4	4744.8	4695.5	4744.8	4818.6
27.5°	12091.8	9136.5	8709.7	6870.9	6050.0	5647.7	5434.3	5614.9	5688.8	5697.0
30°	13060.4	9801.5	9407.4	7782.1	6862.7	6460.4	6501.5	6731.3	6821.6	6911.9
32.5°	13947.0	10688.0	10384.3	8816.4	7913.4	7675.3	7650.7	7823.1	7921.6	7864.2
35°	14841.7	11845.5	11550.0	9941.0	9202.2	9005.2	8800.0	9136.5	9103.7	9013.4
37.5°	15687.3	13011.2	12740.3	11147.7	10384.3	10039.5	10006.7	10310.4	10581.3	10564.9
40°	16294.7	13955.2	13626.8	12346.2	11623.8	11328.3	11500.7	12026.1	11960.4	11870.1
42.5°	16852.9	14759.7	14464.1	13397.0	12641.8	12773.1	12929.1	13282.0	13241.0	13150.7
45°	17115.6	15449.2	15194.7	14193.2	13823.8	14242.5	14234.3	14365.6	14144.0	14111.1
47.5°	17485.0	15941.7	15679.1	14907.4	15235.8	15408.2	14923.8	14784.3	14579.1	14414.9
50°	18166.4	16705.2	16442.5	15991.0	16270.1	15736.5	15145.5	14841.7	14423.1	14135.8
52.5°	18962.6	17862.6	17632.8	17452.2	16672.3	15572.3	14817.1	14267.1	13758.2	13511.9
55°	19964.1	19570.1	19405.9	18412.6	16311.1	14899.2	14012.6	12986.5	12288.8	12058.9
57.5°	20292.5	22073.8	22016.3	18568.6	15301.4	13676.1	12075.3	10688.0	9965.6	9817.9
60°	19323.8	24035.7	23830.5	18305.9	13470.9	11098.5	9226.8	7806.7	6632.8	6460.4
62.5°	18084.3	22533.5	22459.6	16984.3	10261.2	7954.5	6895.5	5565.7	5064.9	4933.6
65°	15490.2	18437.3	18470.1	13626.8	6493.3	5713.4	5664.2	4424.6	3808.9	3710.4
67.5°	11927.6	14144.0	13914.1	8570.1	3784.3	4572.4	4523.1	3234.3	2339.5	2273.9
70°	6969.4	10532.1	10162.7	4457.4	2503.7	3817.2	3480.6	2273.9	1592.5	1518.7
72.5°	3078.3	5795.5	6222.4	1961.9	1764.9	3037.3	2511.9	1395.5	894.8	878.4
75°	1707.5	2873.1	3004.5	853.7	1239.5	2158.9	1518.7	779.8	509.0	500.7
77.5°	1026.1	1272.4	1239.5	550.0	927.6	1379.1	919.4	443.3	320.1	303.7
80°	574.6	582.8	492.5	402.2	550.0	771.6	517.2	279.1	147.8	147.8
82.5°	353.0	320.1	254.5	123.1	147.8	467.9	188.8	156.0	49.3	49.3
85°	147.8	98.5	65.7	24.6	57.5	123.1	65.7	73.9	24.6	24.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

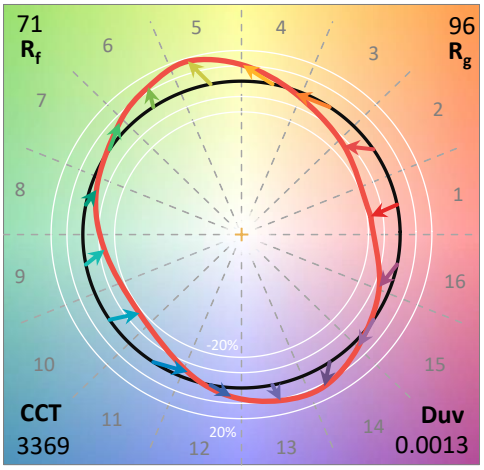
Test Information

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

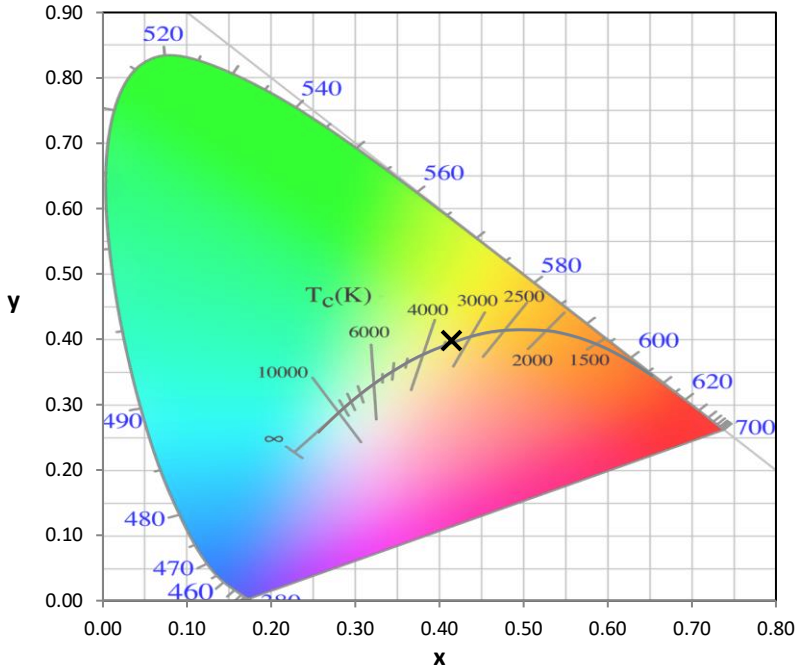
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

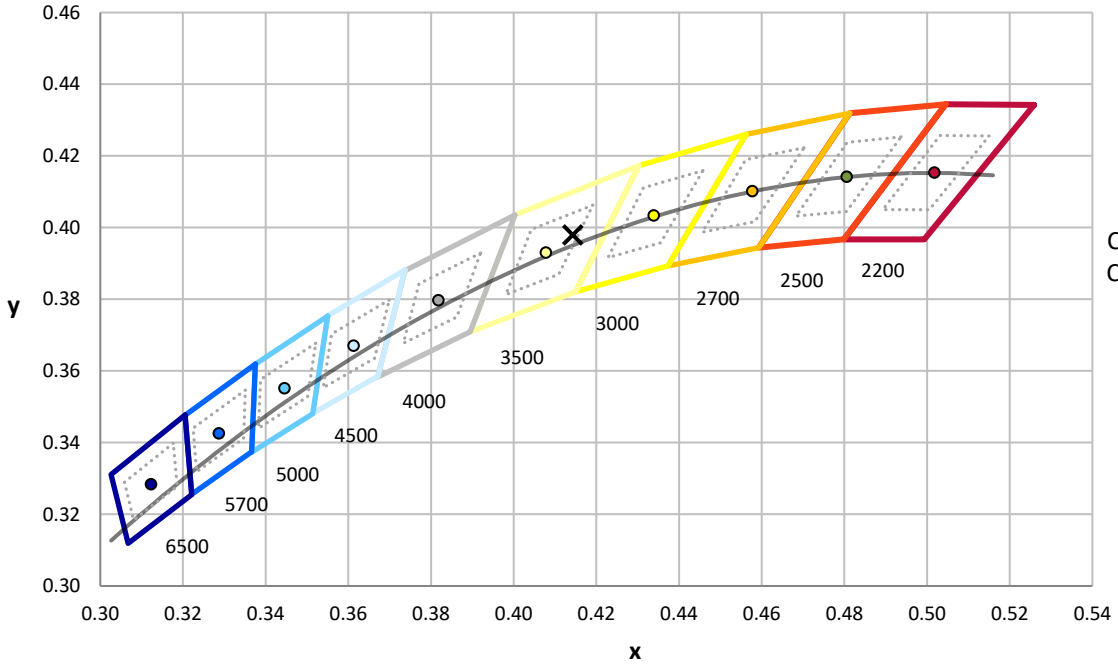
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

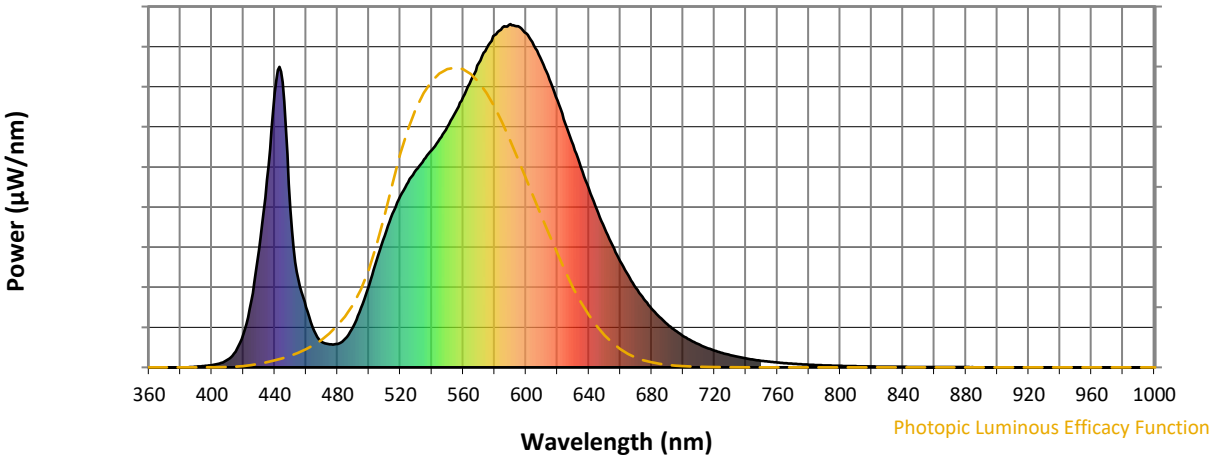


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

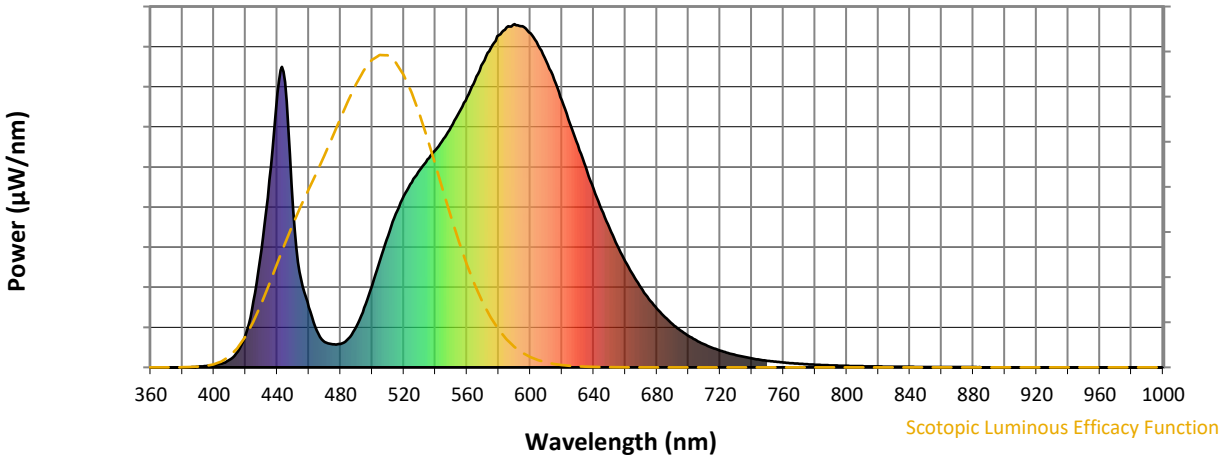


Photopic Lumens: NR

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

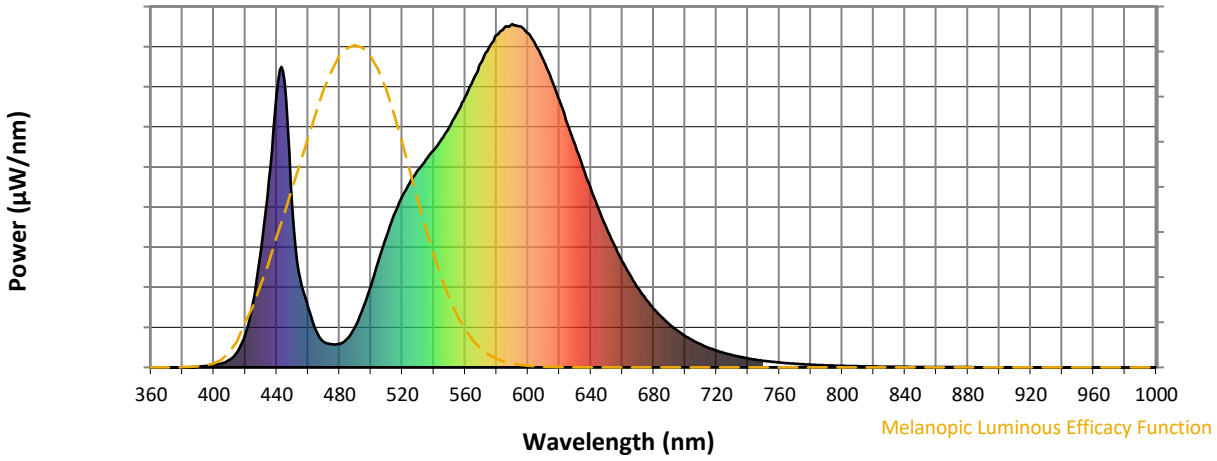


Scotopic Lumens: NR **S/P: 1.29**

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			

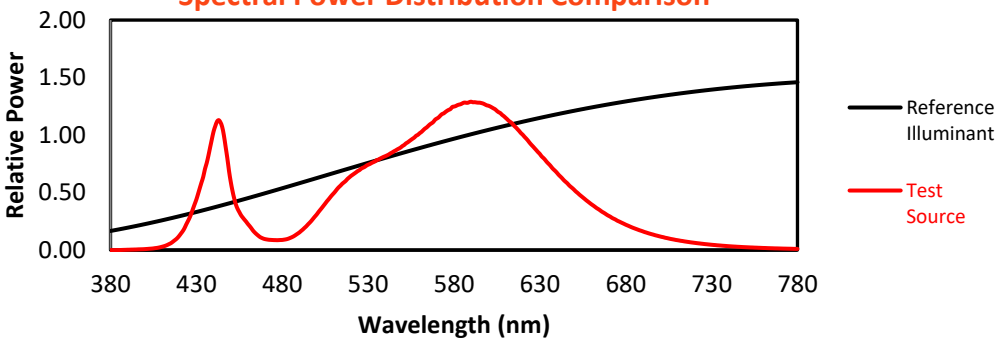
REPORT NUMBER: SP1-2407-184-5

TM-30-18

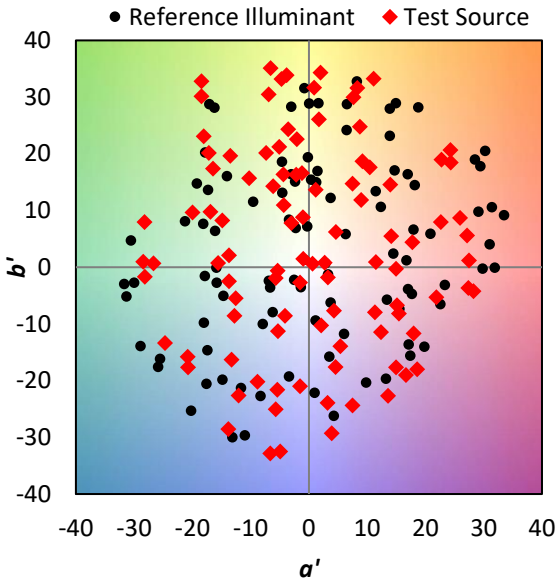
Summary

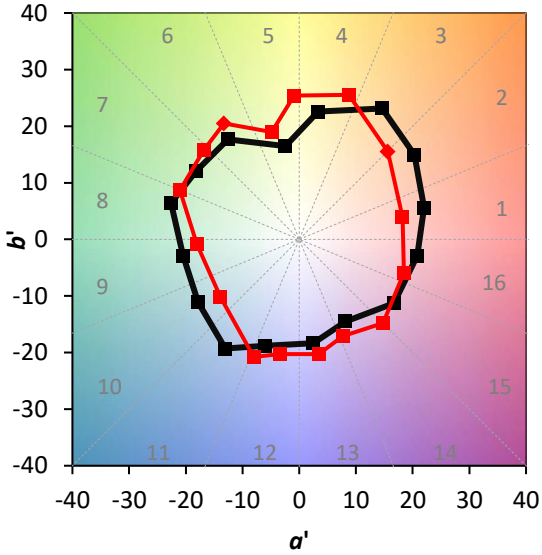
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

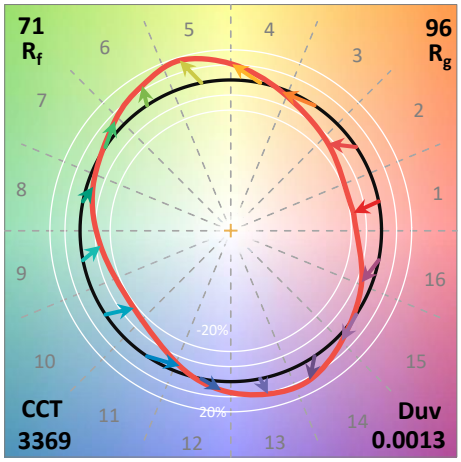
Spectral Power Distribution Comparison

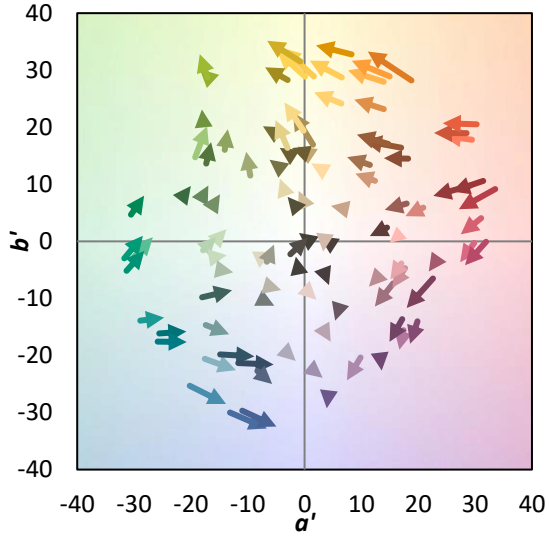


Color Vector Graphics







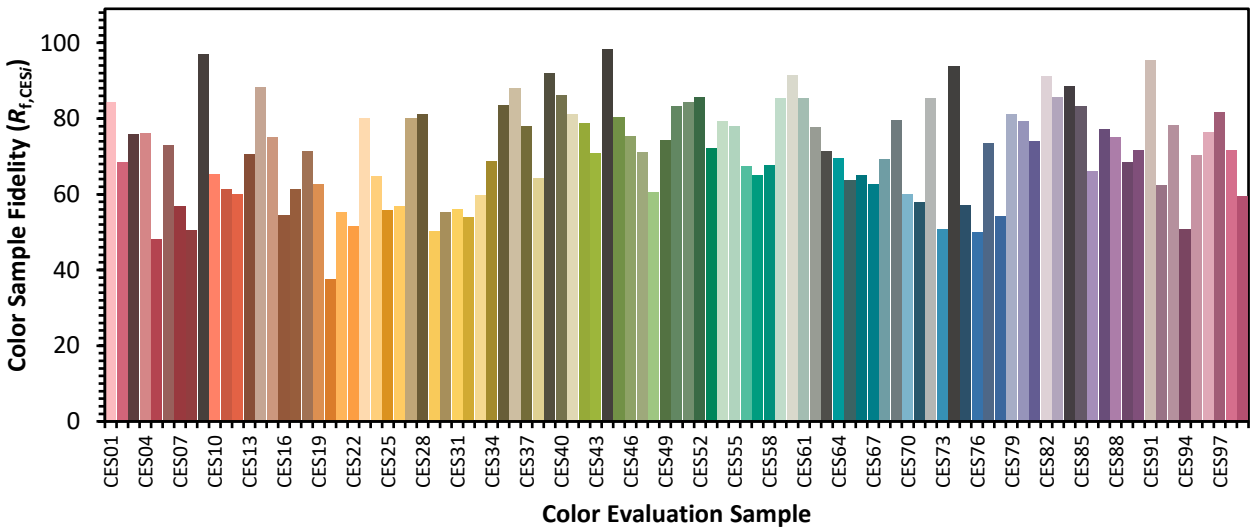


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Individual Sample Fidelity Index ($R_{f,i}$)

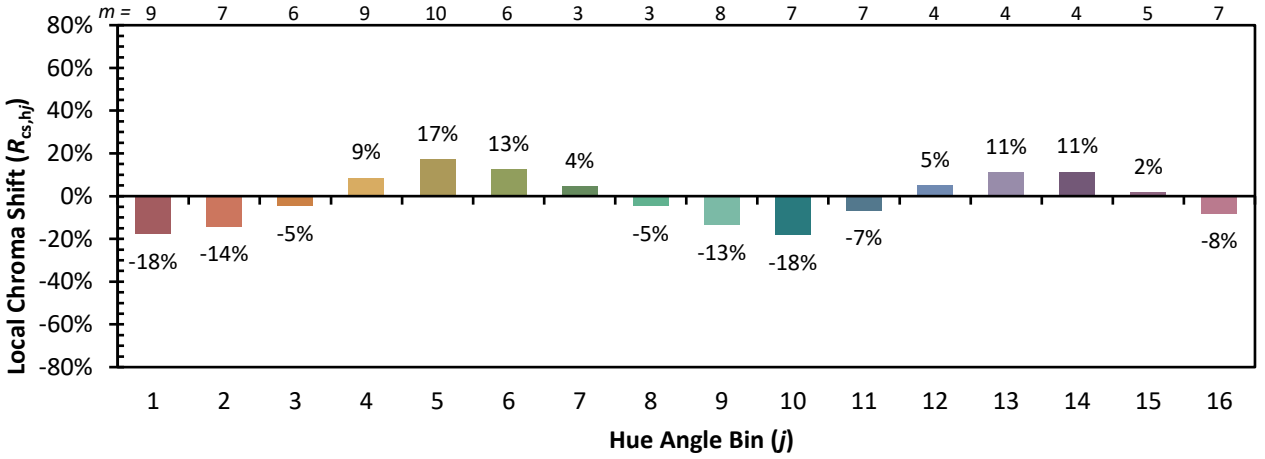
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

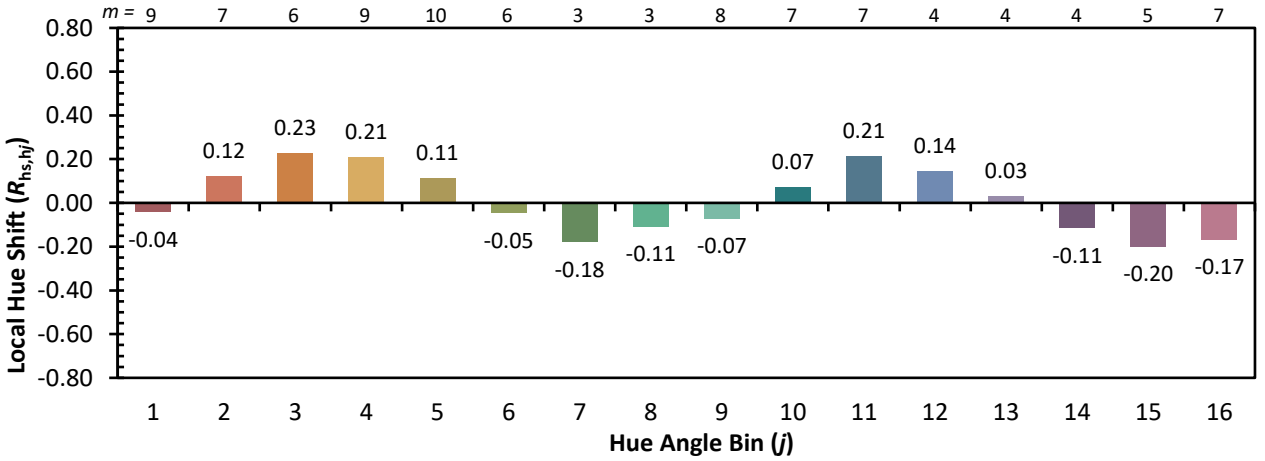


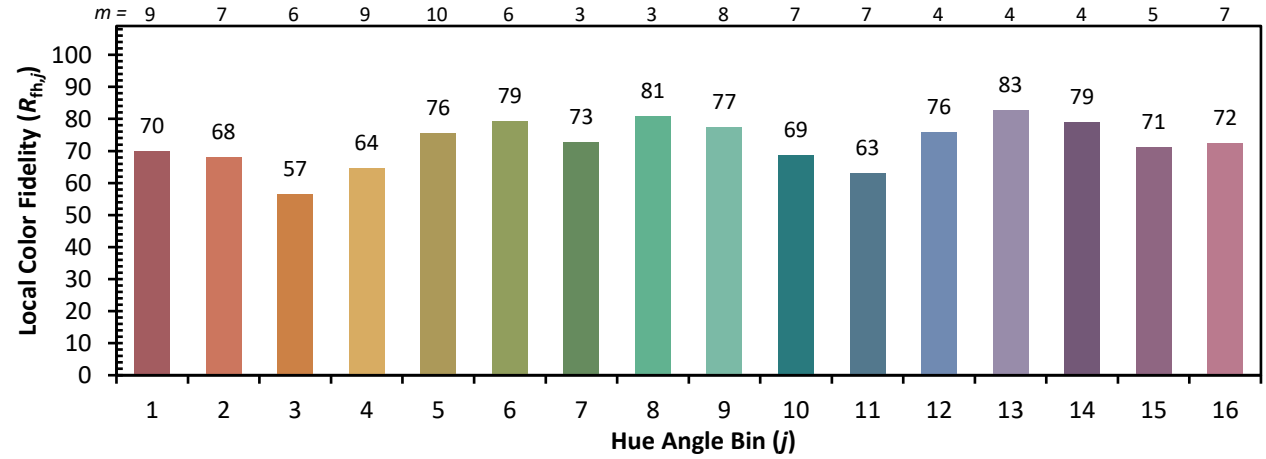
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Color Rendition by Hue-Angle Bin



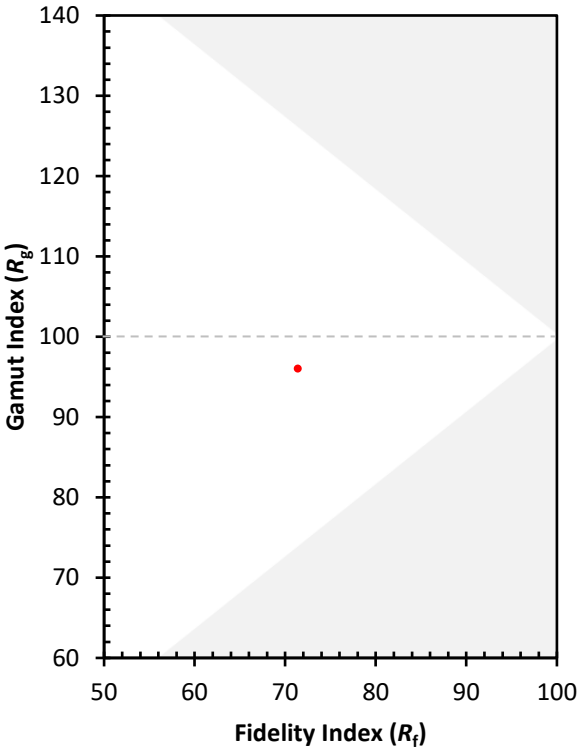


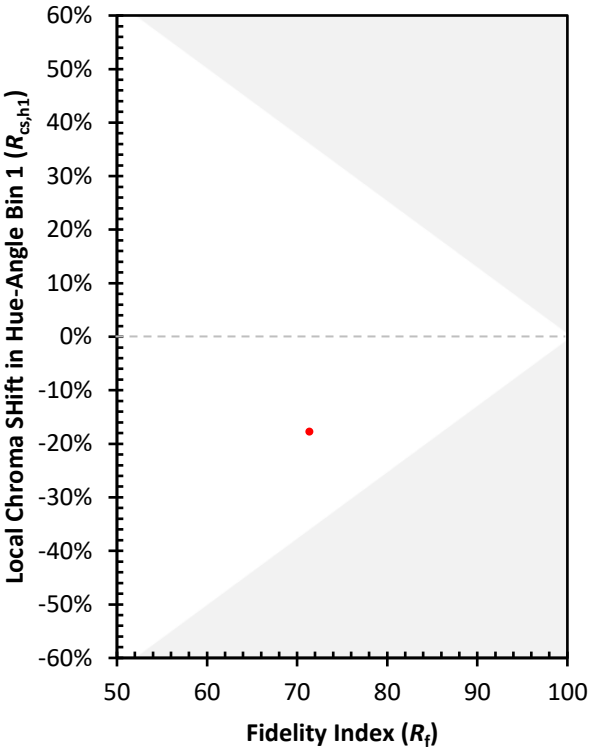


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Measure Comparisons





(END OF REPORT)