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: P1365292

Luminaire Tested: **GSS-SB6B-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:	P1365292
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-740-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 4000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(156) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26330.7 lumens
Efficiency:	N/A
Efficacy:	120.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

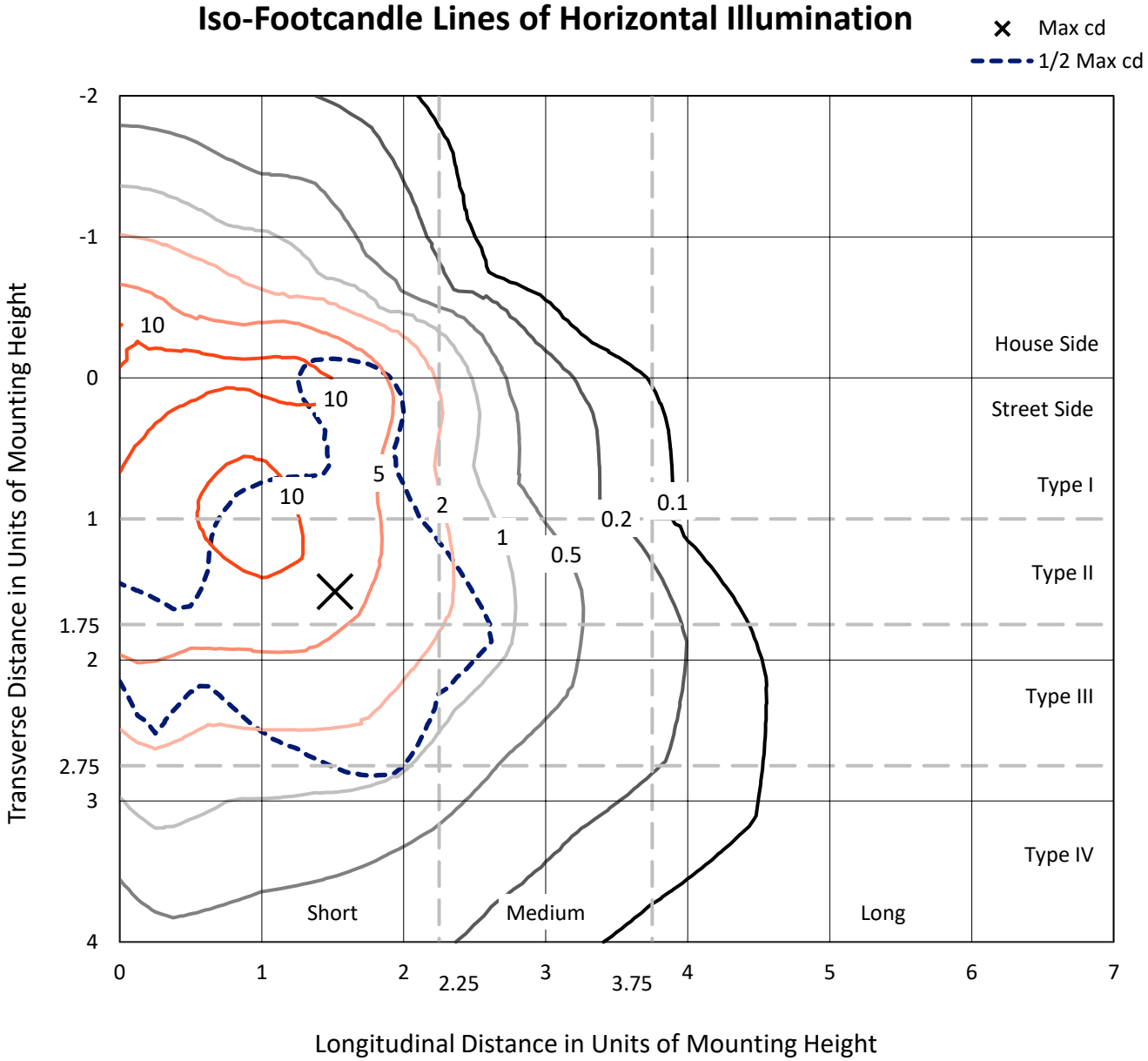
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



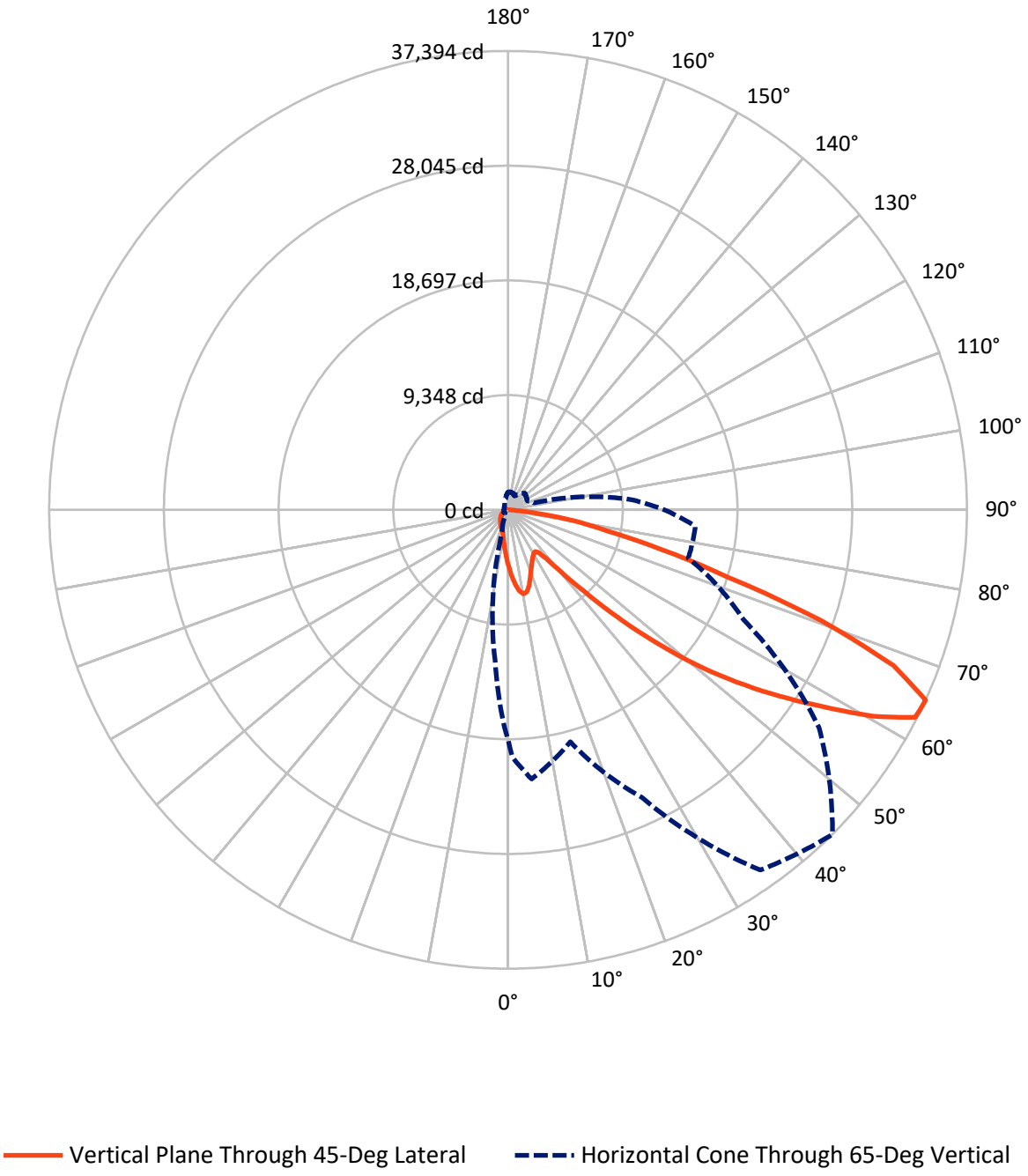
Based on 20 foot mounting height. Maximum calculated value = 16.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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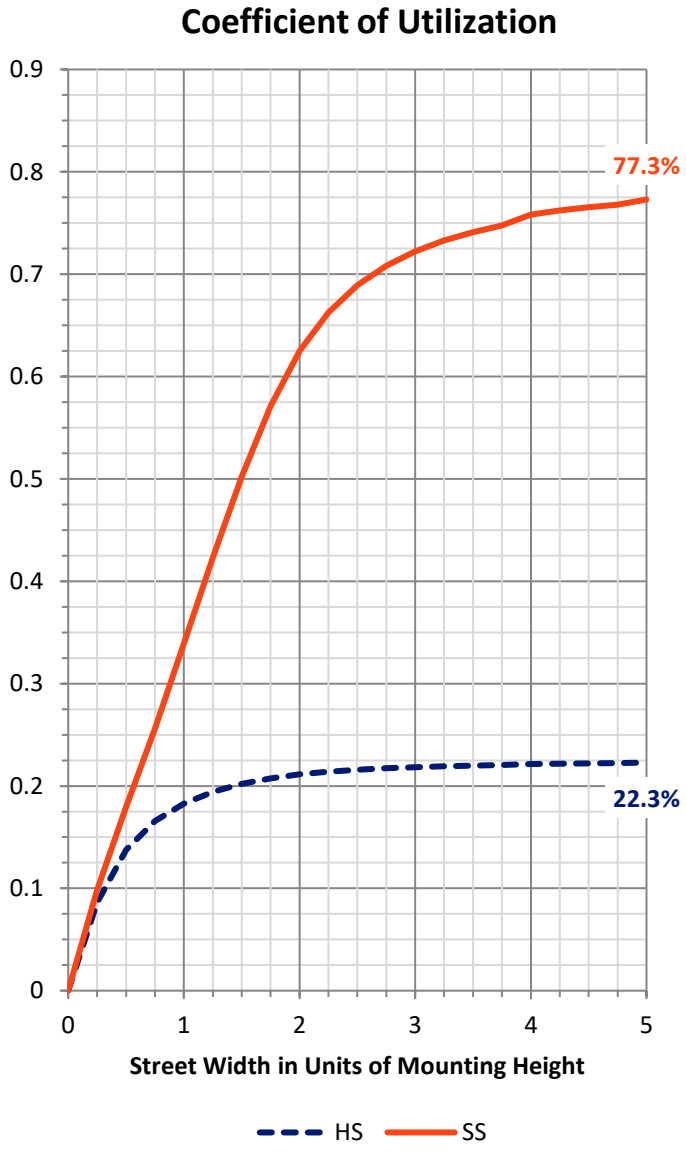
REPORT NUMBER: P1365292
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5923.0	0.0	5923.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	20407.7	0.0	20407.7
	% Fixture	77.5	0.0	77.5
Total	Lumens	26330.7	0.0	26330.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.2	1.7
10°-20°	1209.1	4.6
20°-30°	1731.8	6.6
30°-40°	2172.4	8.3
40°-50°	3568.5	13.6
50°-60°	6443.0	24.5
60°-70°	7152.8	27.2
70°-80°	3233.2	12.3
80°-90°	382.7	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°	26330.7	100.0
0°-180°	26330.7	100.0



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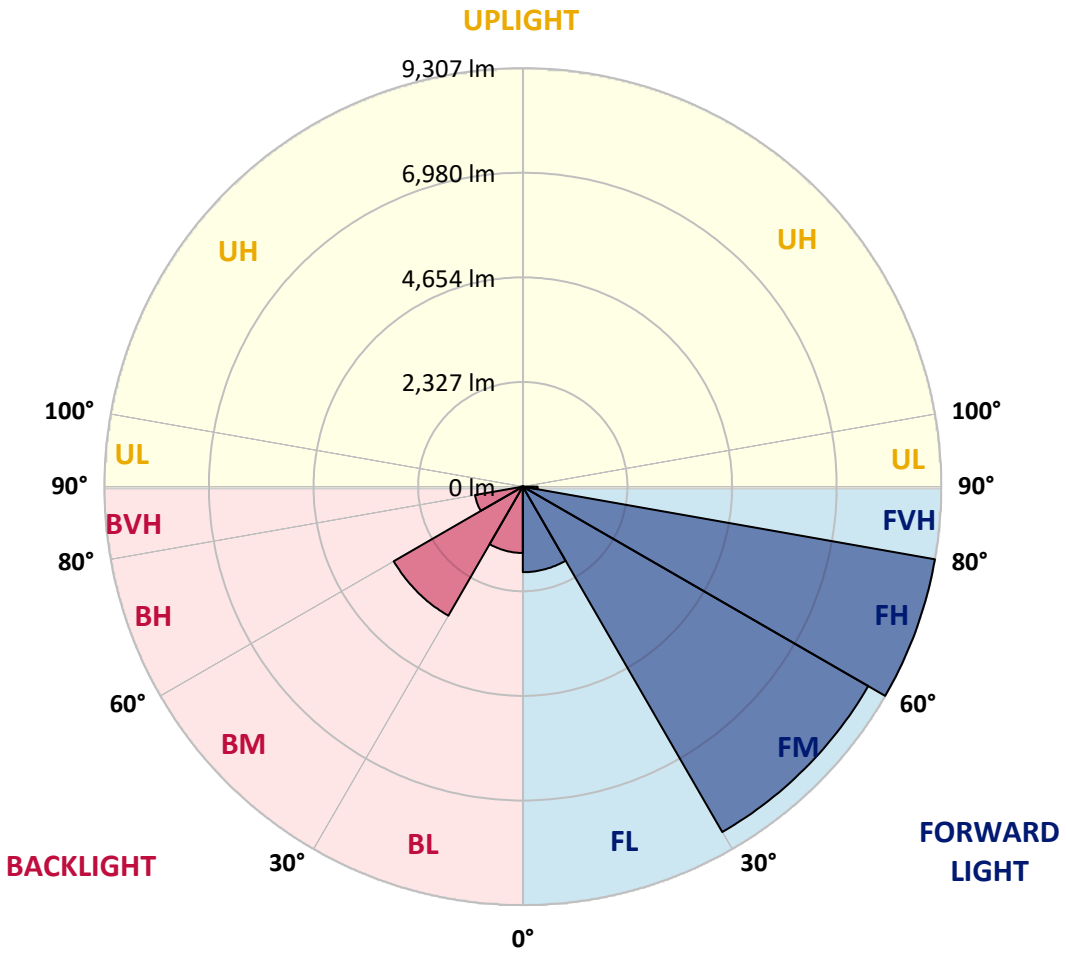
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1902.1	7.2			
FM	(30°-60°)	8869.9	33.7			
FH	(60°-80°)	9307.1	35.3			G4/12000
FVH	(80°-90°)	328.6	1.2			G3/500
BL	(0°-30°)	1476.0	5.6	B3/2500		
BM	(30°-60°)	3314.0	12.6	B3/5000		
BH	(60°-80°)	1078.9	4.1	B3/2500		G3/2500
BVH	(80°-90°)	54.1	0.2			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°	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0
2.5°	5009.5	5074.1	5066.1	5154.9	5235.7	5292.3	5340.8	5324.6	5284.2	5203.4	5146.9
5°	5534.7	5583.2	5664.0	5833.6	5962.9	6076.0	6059.9	6076.0	5954.8	5833.6	5688.2
7.5°	5987.2	6043.7	6156.8	6399.2	6560.8	6698.2	6682.0	6633.6	6496.2	6294.2	6076.0
10°	6270.0	6310.4	6431.6	6706.3	6892.1	7005.2	6964.8	6884.0	6706.3	6504.3	6245.7
12.5°	6391.2	6439.6	6544.7	6762.8	6884.0	6859.8	6843.6	6827.5	6738.6	6585.1	6350.8
15°	6407.3	6439.6	6520.4	6617.4	6568.9	6431.6	6399.2	6520.4	6633.6	6601.2	6407.3
17.5°	6407.3	6455.8	6472.0	6375.0	6124.5	5874.0	5841.7	6043.7	6358.8	6609.3	6496.2
20°	6431.6	6455.8	6423.5	6108.4	5639.7	5365.0	5308.5	5558.9	6027.6	6520.4	6585.1
22.5°	6463.9	6488.1	6350.8	5793.2	5243.8	4952.9	4920.6	5106.5	5655.9	6391.2	6682.0
25°	6528.5	6512.4	6302.3	5518.5	4896.4	4621.7	4573.2	4815.6	5348.9	6261.9	6843.6
27.5°	6609.3	6536.6	6237.6	5292.3	4645.9	4355.0	4322.7	4557.0	5090.3	6100.3	6981.0
30°	6714.4	6641.6	6229.6	5114.5	4460.1	4169.2	4128.8	4387.4	4912.5	5987.2	7174.9
32.5°	6859.8	6754.8	6237.6	4977.2	4355.0	4080.3	4056.1	4330.8	4839.8	5922.5	7376.9
35°	7053.7	6900.2	6270.0	4928.7	4387.4	4201.5	4258.1	4468.2	4912.5	5971.0	7708.2
37.5°	7296.1	7150.7	6431.6	5033.7	4742.9	4872.1	5017.6	5098.4	5260.0	6197.2	8241.4
40°	7700.1	7498.1	6674.0	5373.1	5696.3	6302.3	6585.1	6552.8	6181.1	6714.4	8992.9
42.5°	8265.7	8079.8	7166.8	6237.6	7288.0	8572.7	9049.4	8774.7	7651.6	7538.5	10229.1
45°	9130.2	8823.2	7829.4	7522.3	9211.0	11319.9	12394.5	11449.1	9518.1	8839.4	11990.5
47.5°	10237.2	9930.1	8863.6	8807.0	11360.3	14713.4	15990.0	14131.7	11368.3	10544.2	14099.3
50°	12014.7	11675.4	10382.6	10116.0	13735.7	18098.9	19803.7	16806.1	13250.9	12354.1	16701.0
52.5°	14454.8	14228.6	12790.4	11465.3	15860.7	21831.7	23302.3	19601.7	14705.3	14422.5	19537.1
55°	17856.5	17638.3	15925.4	12968.2	17872.6	25572.7	26760.4	22146.9	15973.9	16846.5	22502.4
57.5°	21710.5	22074.1	20215.8	14972.0	19989.5	28586.5	30242.9	24457.7	17686.8	20086.5	25798.9
60°	24223.4	25370.7	25136.4	18470.5	23278.0	32335.5	34137.3	27552.3	20191.5	22470.1	25726.2
62.5°	22041.8	23189.2	24982.9	22526.6	26445.3	35729.1	37248.1	30808.5	22680.1	20571.3	21605.5
65°	18704.8	20135.0	22025.7	19569.4	25887.8	35834.1	37393.5	30929.6	21161.1	15206.3	15319.4
67.5°	16119.3	17387.8	19714.8	16652.6	22946.8	32634.5	33862.6	27592.7	17492.9	10083.6	9994.8
70°	13452.9	14616.4	17557.5	14826.5	20102.7	28125.9	27067.5	23197.2	14786.1	6698.2	5550.9
72.5°	11465.3	12539.9	15602.2	13323.7	15949.6	22793.2	18656.4	19246.2	12030.9	4258.1	3781.4
75°	9485.7	10471.5	13267.1	12063.2	13194.4	14220.5	12895.4	13671.1	9914.0	3611.7	2916.8
77.5°	6657.8	7271.9	9308.0	9598.9	10269.5	8419.2	8176.8	9574.6	7053.7	1793.7	1228.1
80°	3280.4	3660.2	4856.0	5712.5	4856.0	4775.2	5445.8	6375.0	3660.2	1098.9	678.7
82.5°	1470.5	1745.2	2238.1	3458.2	1753.3	1906.8	2407.8	3393.5	1664.4	654.5	290.9
85°	234.3	258.6	436.3	581.7	476.7	735.3	702.9	662.5	355.5	177.8	80.8
87.5°	8.1	8.1	8.1	16.2	24.2	32.3	40.4	40.4	40.4	40.4	40.4
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°	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0
2.5°	5130.7	5106.5	4985.3	4864.1	4759.0	4654.0	4549.0	4403.5	4290.4	4193.4	4153.0
5°	5615.5	5486.2	5300.4	5098.4	4920.6	4718.6	4524.7	4306.6	4128.8	3943.0	3846.0
7.5°	5946.8	5817.5	5510.5	5203.4	4985.3	4767.1	4565.1	4322.7	4088.4	3821.8	3676.3
10°	6100.3	5954.8	5623.6	5268.1	5001.4	4783.3	4597.4	4395.4	4161.1	3829.8	3635.9
12.5°	6205.3	6027.6	5647.8	5284.2	5017.6	4791.3	4613.6	4468.2	4330.8	4007.6	3781.4
15°	6270.0	6108.4	5712.5	5292.3	4993.3	4726.7	4557.0	4508.6	4532.8	4379.3	4104.6
17.5°	6366.9	6213.4	5793.2	5340.8	4952.9	4589.4	4403.5	4508.6	4726.7	4775.2	4557.0
20°	6496.2	6334.6	5898.3	5381.2	4831.7	4330.8	4153.0	4419.7	4783.3	5033.7	4912.5
22.5°	6641.6	6512.4	6019.5	5421.6	4654.0	3991.4	3910.6	4233.8	4621.7	4944.9	4952.9
25°	6819.4	6698.2	6189.2	5462.0	4411.6	3700.6	3716.7	3991.4	4298.5	4629.8	4686.3
27.5°	7061.8	6948.7	6399.2	5510.5	4161.1	3466.3	3547.1	3749.0	3959.1	4161.1	4241.9
30°	7328.4	7239.5	6649.7	5607.4	3926.8	3328.9	3377.4	3514.7	3684.4	3805.6	3846.0
32.5°	7692.0	7546.6	6884.0	5599.3	3749.0	3264.3	3215.8	3256.2	3393.5	3514.7	3522.8
35°	8144.5	8031.4	7126.4	5453.9	3587.5	3231.9	3062.3	3038.0	3118.8	3240.0	3231.9
37.5°	8807.0	8710.1	7522.3	5227.7	3385.5	3151.1	2900.7	2819.9	2876.4	2957.2	2981.5
40°	9800.9	9550.4	7974.8	4977.2	3183.5	3005.7	2706.7	2593.6	2634.0	2722.9	2739.1
42.5°	11150.2	10673.5	8580.8	4637.8	2989.5	2787.5	2512.8	2391.6	2415.9	2496.7	2512.8
45°	12879.3	12160.2	9413.0	4282.3	2836.0	2561.3	2310.8	2181.6	2205.8	2294.7	2335.1
47.5°	14899.2	13913.5	10285.6	3902.6	2747.1	2383.6	2108.8	2011.9	2068.4	2157.3	2173.5
50°	17282.8	16289.0	10843.2	3595.5	2690.6	2246.2	1923.0	1882.6	1955.3	2028.0	2044.2
52.5°	19884.5	18470.5	10487.6	3345.1	2642.1	2197.7	1793.7	1809.9	1866.4	1939.2	1963.4
55°	22413.5	19270.4	9308.0	3021.9	2585.6	2230.0	1696.8	1737.2	1809.9	1866.4	1882.6
57.5°	24061.8	18599.8	7498.1	2682.5	2520.9	2254.3	1648.3	1680.6	1761.4	1826.0	1834.1
60°	22623.6	17129.3	5615.5	2391.6	2383.6	2213.9	1632.1	1583.6	1696.8	1753.3	1761.4
62.5°	18535.2	14010.5	3587.5	2116.9	2125.0	2125.0	1624.0	1422.1	1567.5	1616.0	1607.9
65°	*12733.8*	*9905.9*	*2222.0*	*1729.1*	*1809.9*	*1931.1*	*1575.6*	*1252.4*	*1422.1*	*1470.5*	*1454.4*
67.5°	8370.7	6294.2	1373.6	1333.2	1486.7	1672.5	1478.6	1123.1	1276.6	1308.9	1260.5
70°	4540.9	2965.3	904.9	872.6	1163.5	1317.0	1252.4	1010.0	1139.3	1171.6	1123.1
72.5°	2997.6	1704.8	638.3	638.3	913.0	921.1	1026.1	904.9	1010.0	1042.3	993.8
75°	2254.3	1098.9	444.4	492.9	581.7	719.1	735.3	759.5	856.5	896.9	848.4
77.5°	1034.2	404.0	266.6	363.6	404.0	549.4	468.6	565.6	638.3	654.5	614.1
80°	597.9	226.2	177.8	234.3	258.6	452.5	274.7	339.4	452.5	476.7	428.2
82.5°	250.5	113.1	121.2	145.4	153.5	250.5	193.9	218.2	299.0	290.9	258.6
85°	72.7	72.7	80.8	88.9	88.9	145.4	137.4	129.3	137.4	137.4	113.1
87.5°	48.5	48.5	48.5	56.6	56.6	64.6	72.7	80.8	80.8	80.8	72.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0
2.5°	4096.5	4023.8	3918.7	3902.6	3846.0	3805.6	3846.0	3886.4	3959.1	3967.2	3999.5
5°	3757.1	3587.5	3458.2	3312.7	3240.0	3231.9	3215.8	3264.3	3369.3	3433.9	3482.4
7.5°	3530.9	3223.9	2997.6	2795.6	2722.9	2666.3	2714.8	2706.7	2844.1	2900.7	2949.1
10°	3409.7	2981.5	2642.1	2391.6	2294.7	2238.1	2230.0	2246.2	2327.0	2383.6	2440.1
12.5°	3490.5	2884.5	2383.6	2092.7	1987.6	1923.0	1866.4	1866.4	1882.6	1955.3	1979.6
15°	3757.1	2941.1	2262.4	1947.2	1809.9	1704.8	1632.1	1575.6	1583.6	1591.7	1616.0
17.5°	4145.0	3086.5	2222.0	1858.4	1712.9	1583.6	1510.9	1446.3	1430.1	1430.1	1422.1
20°	4516.6	3199.6	2189.6	1785.6	1599.8	1486.7	1422.1	1365.5	1341.3	1341.3	1341.3
22.5°	4670.2	3296.6	2149.2	1696.8	1486.7	1381.7	1325.1	1284.7	1276.6	1276.6	1268.5
25°	4549.0	3264.3	2100.8	1607.9	1381.7	1300.9	1252.4	1212.0	1203.9	1212.0	1203.9
27.5°	4169.2	3151.1	2036.1	1535.2	1300.9	1228.1	1187.7	1147.3	1139.3	1147.3	1147.3
30°	3765.2	2957.2	1931.1	1478.6	1236.2	1155.4	1115.0	1074.6	1074.6	1082.7	1090.8
32.5°	3442.0	2763.3	1809.9	1405.9	1163.5	1090.8	1050.4	1010.0	1010.0	1026.1	1026.1
35°	3167.3	2609.8	1688.7	1333.2	1098.9	1018.1	985.7	953.4	945.3	961.5	969.6
37.5°	2949.1	2472.4	1559.4	1260.5	1034.2	961.5	929.2	888.8	880.7	896.9	913.0
40°	2722.9	2318.9	1446.3	1171.6	969.6	896.9	864.5	816.1	816.1	832.2	848.4
42.5°	2504.8	2181.6	1373.6	1090.8	904.9	824.1	791.8	751.4	751.4	767.6	783.7
45°	2327.0	2052.3	1333.2	1010.0	832.2	759.5	719.1	686.8	694.9	711.0	727.2
47.5°	2157.3	1914.9	1341.3	969.6	783.7	686.8	646.4	622.1	638.3	662.5	678.7
50°	2028.0	1818.0	1349.3	904.9	719.1	630.2	589.8	573.7	597.9	622.1	638.3
52.5°	1947.2	1721.0	1300.9	824.1	670.6	573.7	549.4	549.4	573.7	589.8	606.0
55°	1866.4	1559.4	1195.8	735.3	622.1	533.3	517.1	517.1	541.3	557.5	565.6
57.5°	1801.8	1389.7	1074.6	662.5	565.6	492.9	492.9	492.9	501.0	509.0	525.2
60°	1680.6	1212.0	921.1	606.0	509.0	460.6	452.5	452.5	444.4	452.5	476.7
62.5°	1470.5	1018.1	783.7	541.3	460.6	420.2	412.1	387.8	363.6	371.7	387.8
65°	*1244.3*	*808.0*	*654.5*	*468.6*	*395.9*	*371.7*	*363.6*	*323.2*	*290.9*	*299.0*	*323.2*
67.5°	993.8	606.0	549.4	404.0	339.4	315.1	315.1	290.9	266.6	266.6	282.8
70°	775.7	509.0	412.1	323.2	266.6	266.6	282.8	258.6	226.2	226.2	250.5
72.5°	630.2	412.1	331.3	250.5	210.1	226.2	234.3	210.1	185.8	185.8	202.0
75°	492.9	323.2	258.6	185.8	161.6	169.7	185.8	169.7	145.4	153.5	161.6
77.5°	339.4	218.2	169.7	137.4	121.2	129.3	129.3	121.2	113.1	113.1	121.2
80°	226.2	145.4	113.1	97.0	88.9	88.9	80.8	80.8	88.9	88.9	97.0
82.5°	161.6	105.0	88.9	72.7	56.6	56.6	64.6	64.6	72.7	72.7	80.8
85°	97.0	72.7	64.6	48.5	40.4	48.5	48.5	56.6	64.6	64.6	72.7
87.5°	72.7	56.6	48.5	40.4	32.3	32.3	40.4	40.4	48.5	56.6	56.6
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: P1365292
CATALOG NUMBER: GSS-SB6B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0	4549.0
2.5°	4080.3	4177.3	4314.6	4435.8	4581.3	4726.7	4864.1	4993.3	5001.4	5009.5
5°	3635.9	3829.8	4056.1	4330.8	4621.7	4904.5	5203.4	5445.8	5502.4	5534.7
7.5°	3143.1	3425.9	3773.3	4161.1	4597.4	5033.7	5453.9	5817.5	5954.8	5987.2
10°	2625.9	2973.4	3393.5	3894.5	4484.3	5066.1	5631.7	6076.0	6237.6	6270.0
12.5°	2165.4	2448.2	2933.0	3539.0	4250.0	5017.6	5696.3	6189.2	6350.8	6391.2
15°	1769.5	2036.1	2488.6	3126.9	3926.8	4847.9	5647.8	6213.4	6375.0	6407.3
17.5°	1462.5	1632.1	2044.2	2739.1	3635.9	4629.8	5583.2	6229.6	6383.1	6407.3
20°	1341.3	1373.6	1591.7	2270.4	3328.9	4468.2	5542.8	6253.8	6407.3	6431.6
22.5°	1284.7	1284.7	1333.2	1729.1	2900.7	4298.5	5526.6	6326.5	6439.6	6463.9
25°	1228.1	1228.1	1244.3	1357.4	2391.6	4088.4	5558.9	6455.8	6528.5	6528.5
27.5°	1171.6	1171.6	1187.7	1212.0	1777.6	3741.0	5567.0	6601.2	6633.6	6609.3
30°	1115.0	1131.2	1131.2	1147.3	1308.9	3304.7	5518.5	6762.8	6762.8	6714.4
32.5°	1058.5	1066.5	1082.7	1090.8	1139.3	2739.1	5437.7	6964.8	6924.4	6859.8
35°	1010.0	1018.1	1018.1	1034.2	1082.7	2189.6	5348.9	7239.5	7126.4	7053.7
37.5°	945.3	953.4	961.5	977.7	1026.1	1737.2	5219.6	7473.9	7393.1	7296.1
40°	888.8	896.9	904.9	921.1	969.6	1494.8	5058.0	7829.4	7813.2	7700.1
42.5°	824.1	840.3	848.4	856.5	921.1	1365.5	4944.9	8403.0	8403.0	8265.7
45°	767.6	783.7	783.7	799.9	888.8	1252.4	5195.3	9194.9	9259.5	9130.2
47.5°	719.1	727.2	727.2	735.3	840.3	1155.4	5866.0	10406.8	10326.0	10237.2
50°	670.6	686.8	670.6	678.7	799.9	1212.0	6972.9	11958.2	12168.2	12014.7
52.5°	638.3	646.4	614.1	614.1	743.3	1284.7	7877.8	13937.7	14640.7	14454.8
55°	597.9	606.0	565.6	565.6	654.5	1115.0	7934.4	16192.0	17735.3	17856.5
57.5°	557.5	557.5	525.2	517.1	565.6	904.9	7037.5	17937.3	21435.8	21710.5
60°	509.0	501.0	484.8	468.6	517.1	832.2	5365.0	17702.9	23270.0	24223.4
62.5°	436.3	452.5	444.4	412.1	468.6	775.7	3498.6	15319.4	21201.5	22041.8
65°	*363.6*	*387.8*	*387.8*	*363.6*	*517.1*	*678.7*	*1842.2*	*12265.2*	*17694.9*	*18704.8*
67.5°	323.2	339.4	331.3	315.1	460.6	428.2	888.8	9404.9	15149.7	16119.3
70°	282.8	299.0	274.7	258.6	371.7	307.0	525.2	6294.2	12507.6	13452.9
72.5°	234.3	250.5	226.2	202.0	274.7	234.3	347.4	4096.5	10414.9	11465.3
75°	193.9	202.0	185.8	161.6	202.0	185.8	242.4	2674.4	8710.1	9485.7
77.5°	137.4	153.5	145.4	121.2	145.4	129.3	169.7	1527.1	6076.0	6657.8
80°	105.0	105.0	105.0	97.0	88.9	88.9	113.1	686.8	2949.1	3280.4
82.5°	88.9	88.9	80.8	72.7	64.6	56.6	64.6	202.0	1389.7	1470.5
85°	80.8	64.6	56.6	48.5	40.4	24.2	24.2	56.6	282.8	234.3
87.5°	48.5	40.4	32.3	16.2	8.1	8.1	0.0	8.1	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

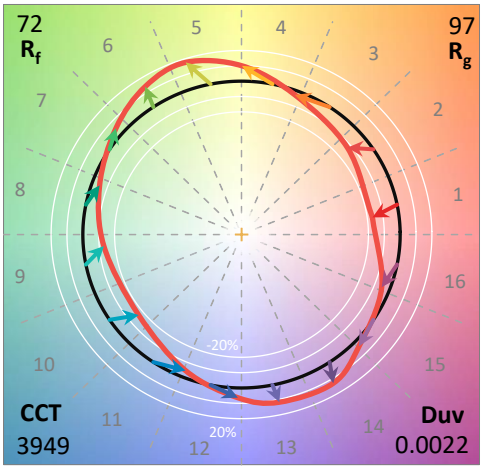
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

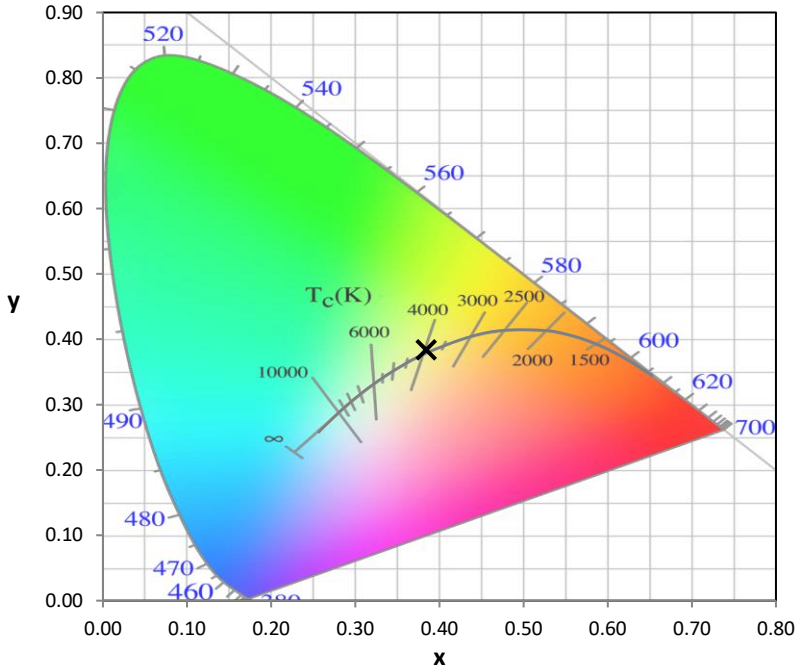
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

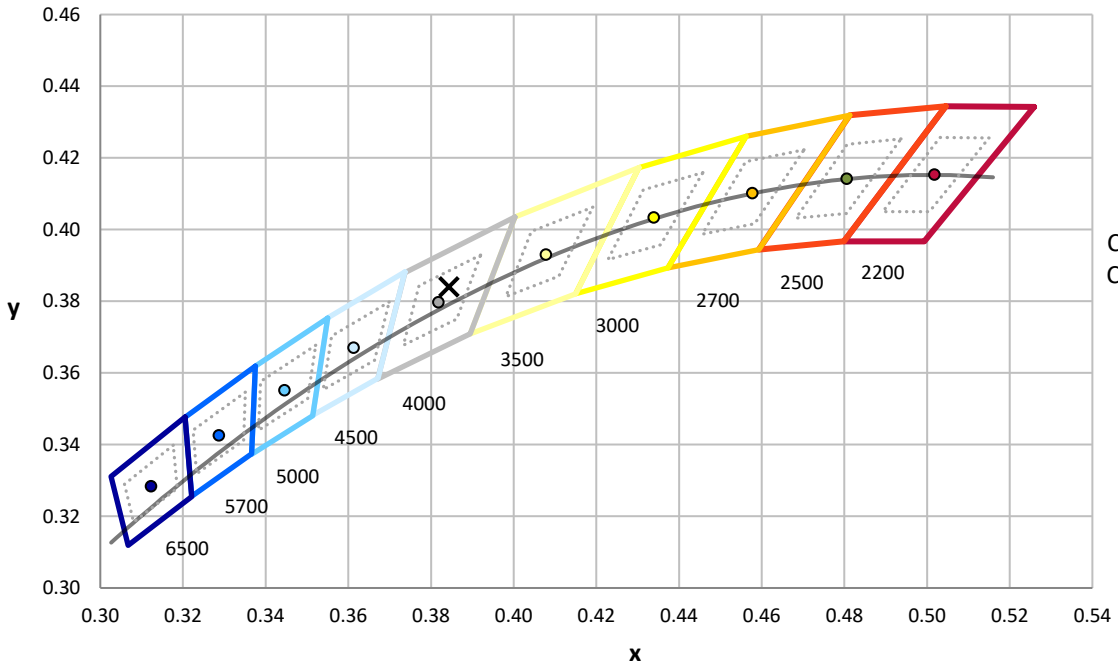
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

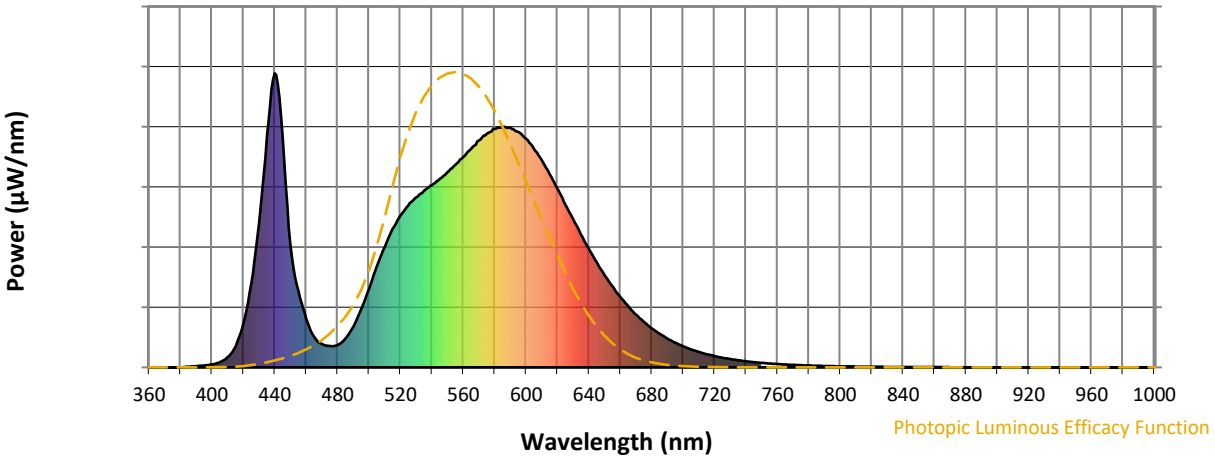


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

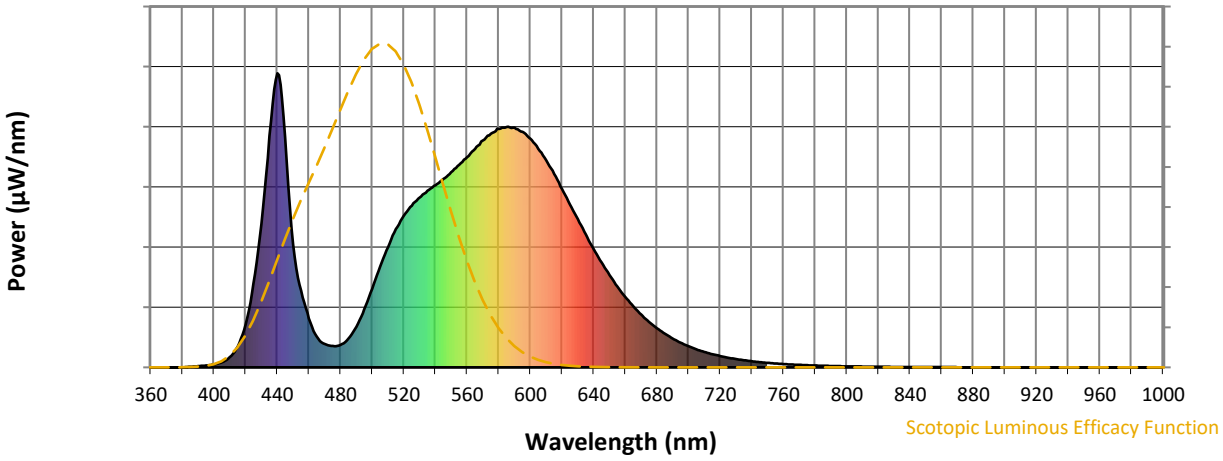


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

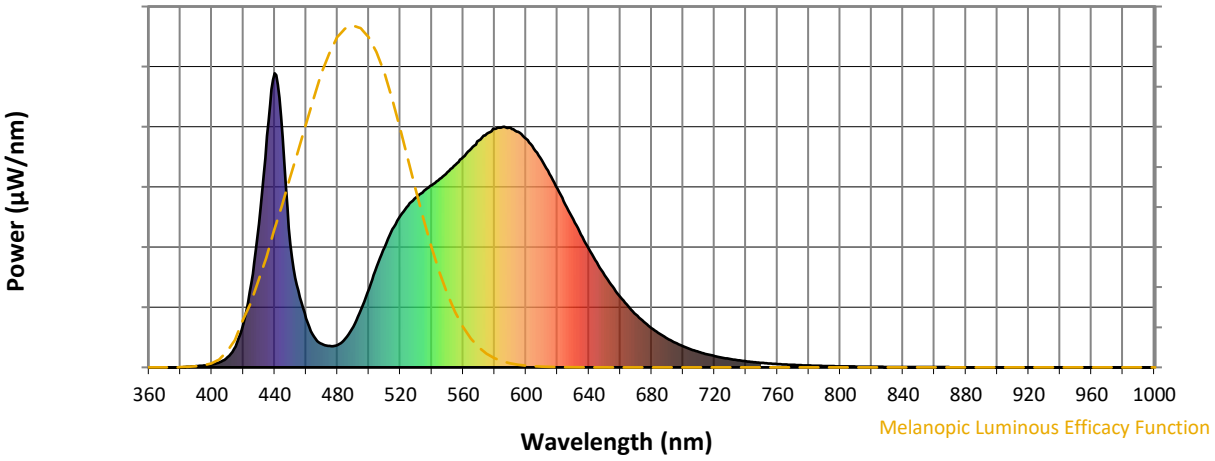


Scotopic Lumens: NR **S/P: 1.47**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

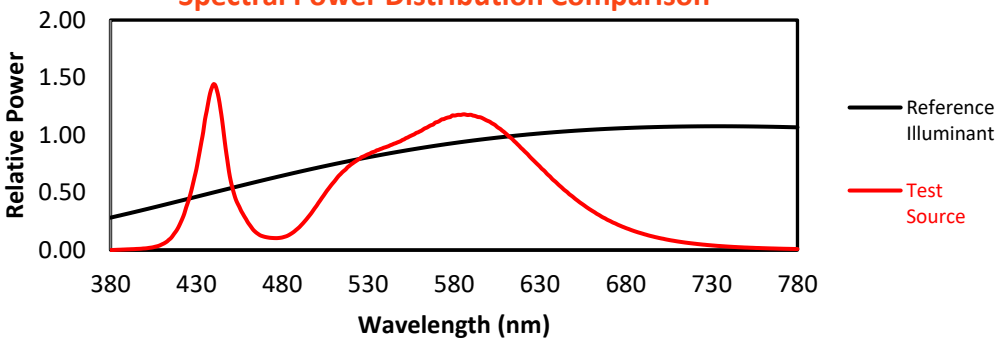
REPORT NUMBER: SP1-2407-184-1

TM-30-18

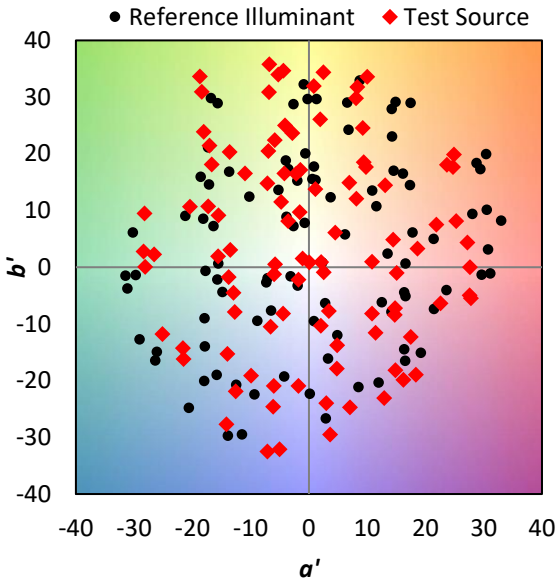
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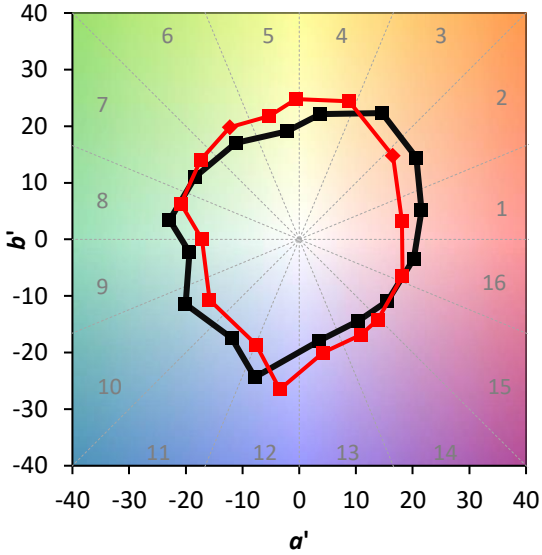
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R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

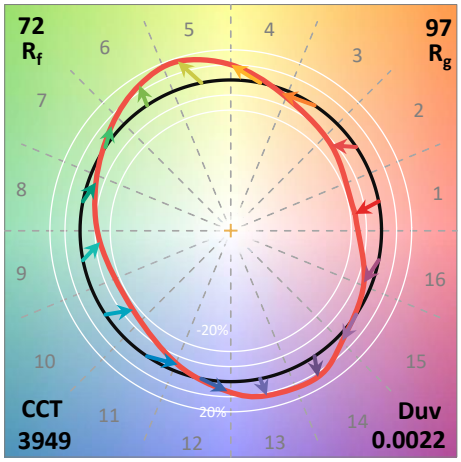
Spectral Power Distribution Comparison

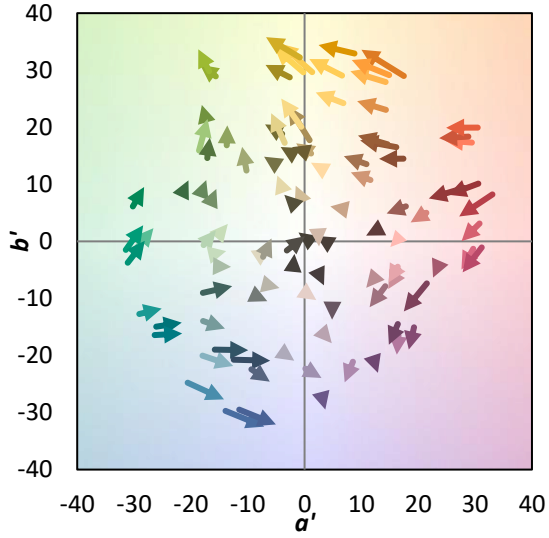


Color Vector Graphics







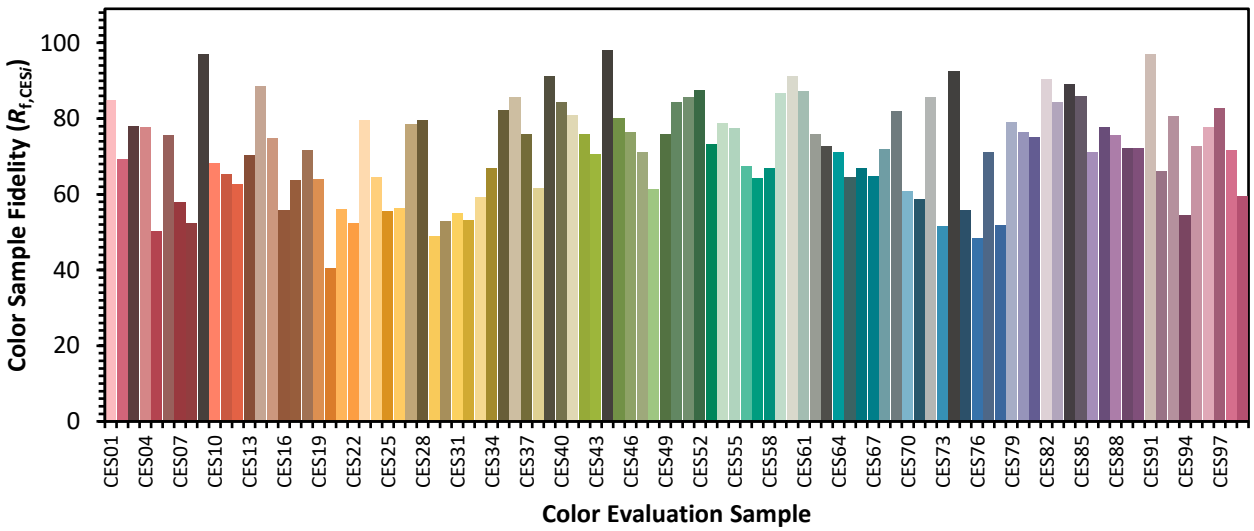


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Individual Sample Fidelity Index ($R_{f,i}$)

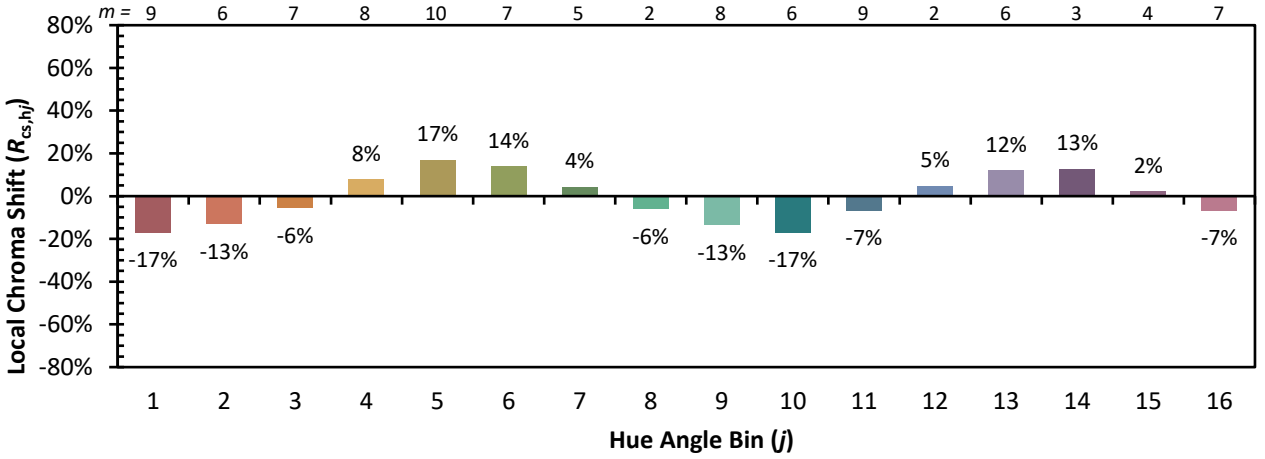
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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

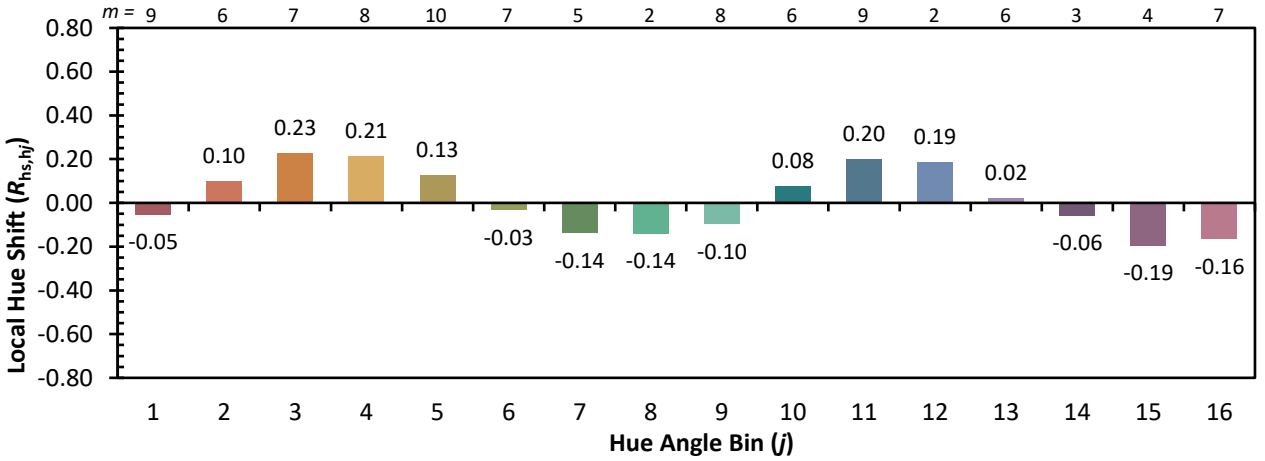


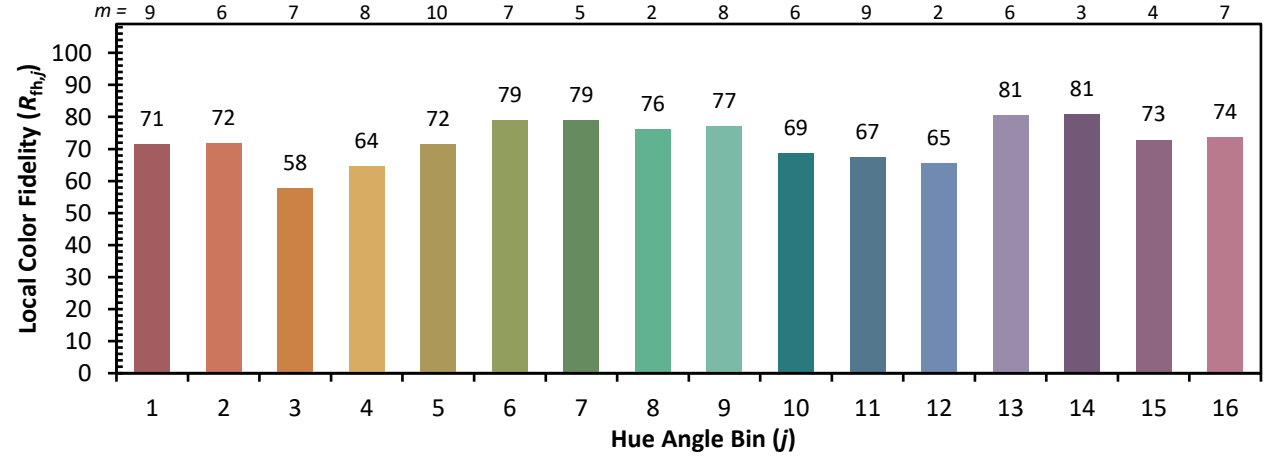
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Color Rendition by Hue-Angle Bin



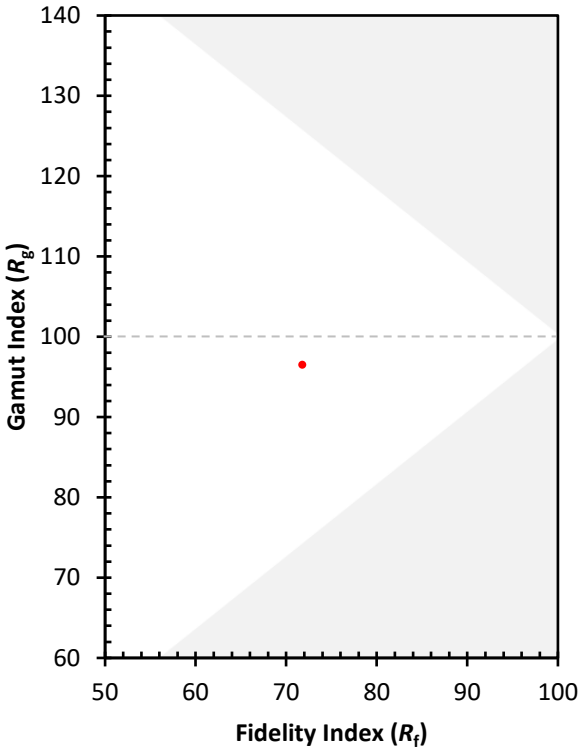


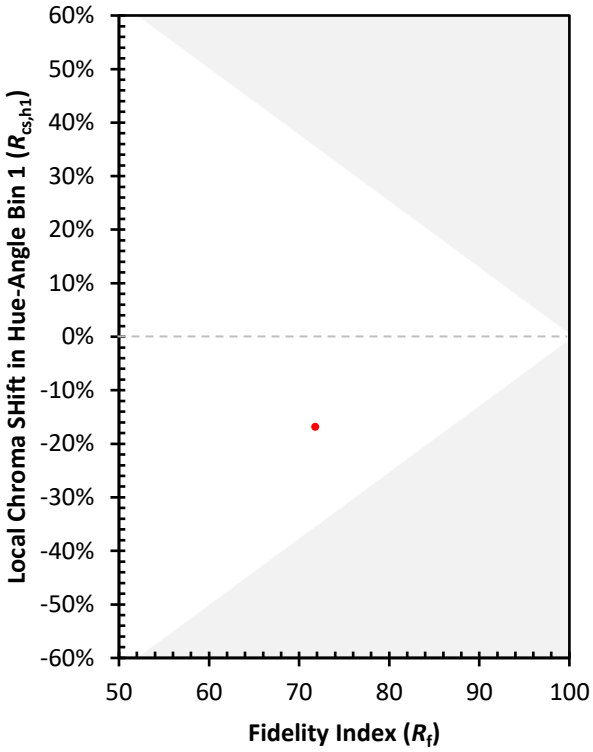


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Measure Comparisons





(END OF REPORT)