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: STREETWORKS

Report Number: P1066806

Luminaire Tested: **NVN-SA5B-750-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670347003

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1066806
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	NVN-SA5B-750-U-LBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE 70CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(70) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19178.4 lumens
Efficiency:	N/A
Efficacy:	107.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G3

Input Watts (W):	178.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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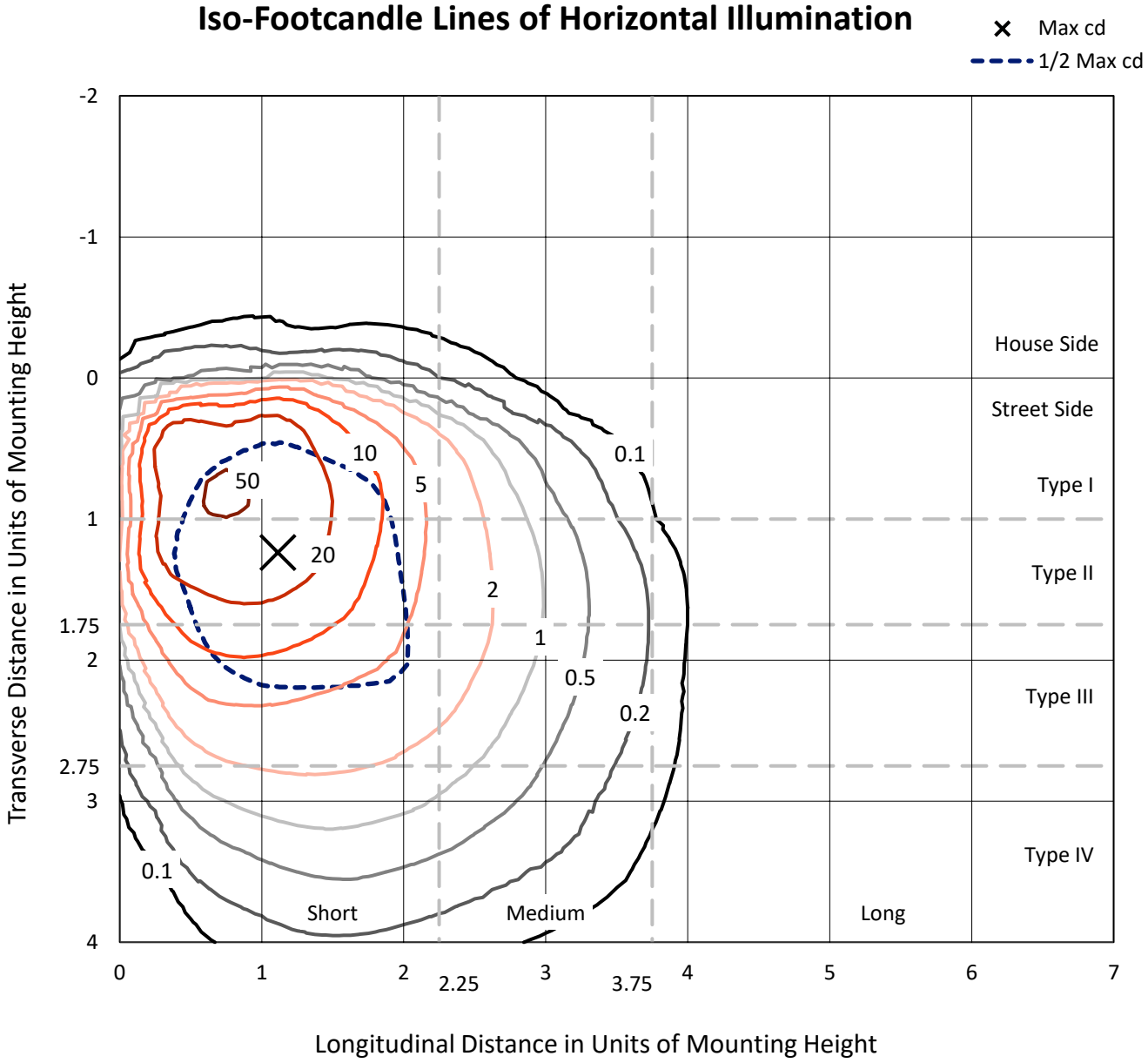
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 57 fc
Type III - Short - N/A

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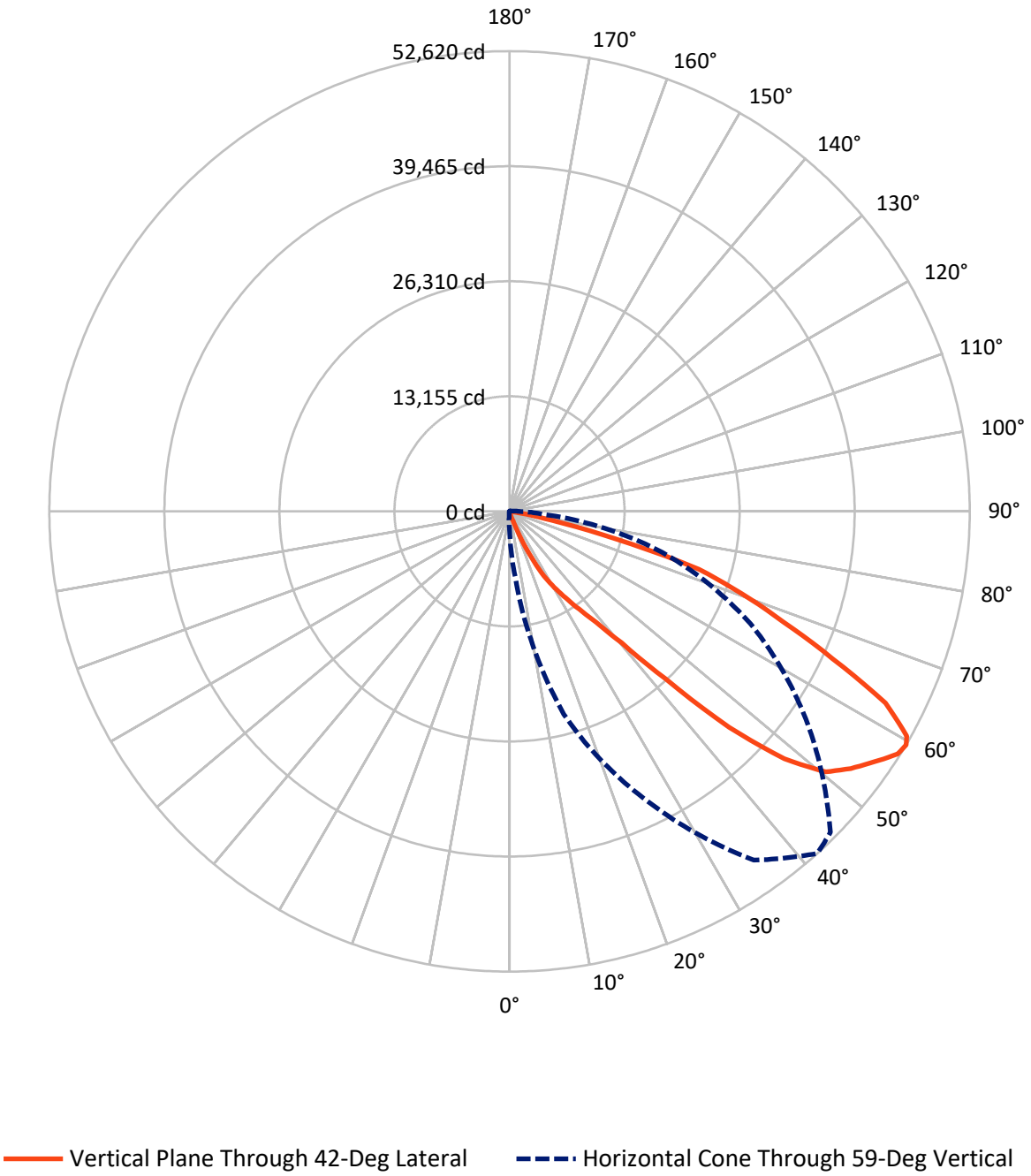
Luminous Intensity Polar Plot



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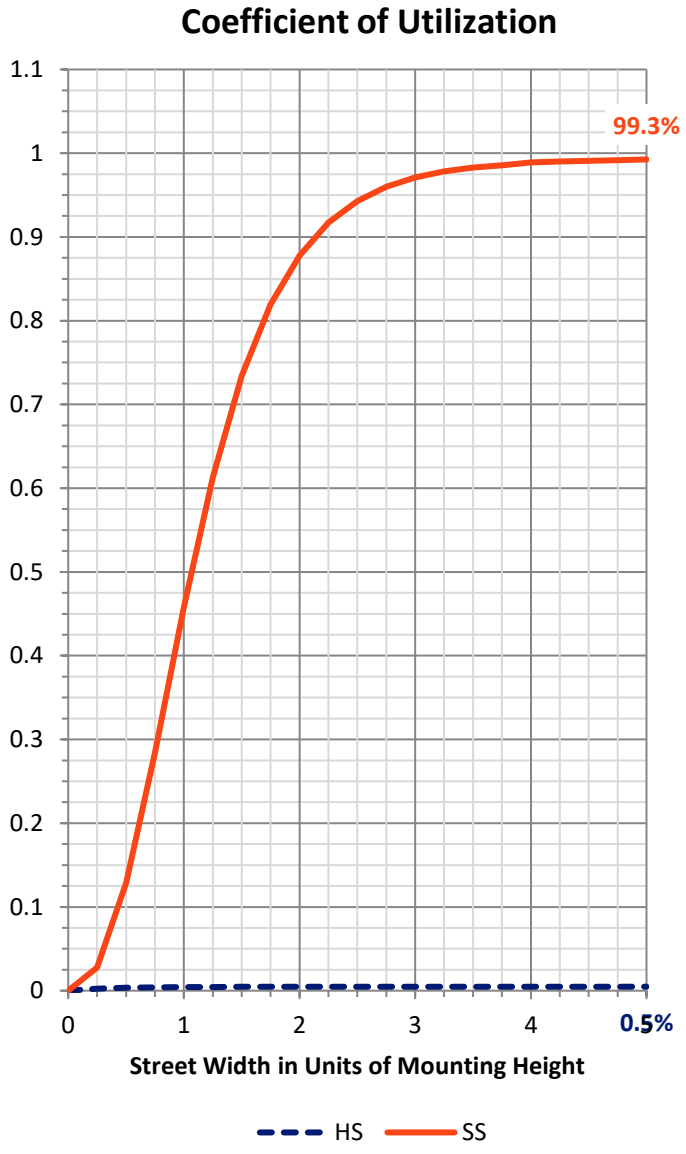
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	92.4	0.0	92.4
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	19086.0	0.0	19086.0
	% Fixture	99.5	0.0	99.5
Total	Lumens	19178.4	0.0	19178.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.0
10°-20°	28.0	0.1
20°-30°	357.7	1.9
30°-40°	1206.1	6.3
40°-50°	3642.9	19.0
50°-60°	6430.5	33.5
60°-70°	5662.2	29.5
70°-80°	1802.3	9.4
80°-90°	43.1	0.2
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°	19178.4	100.0
0°-180°	19178.4	100.0



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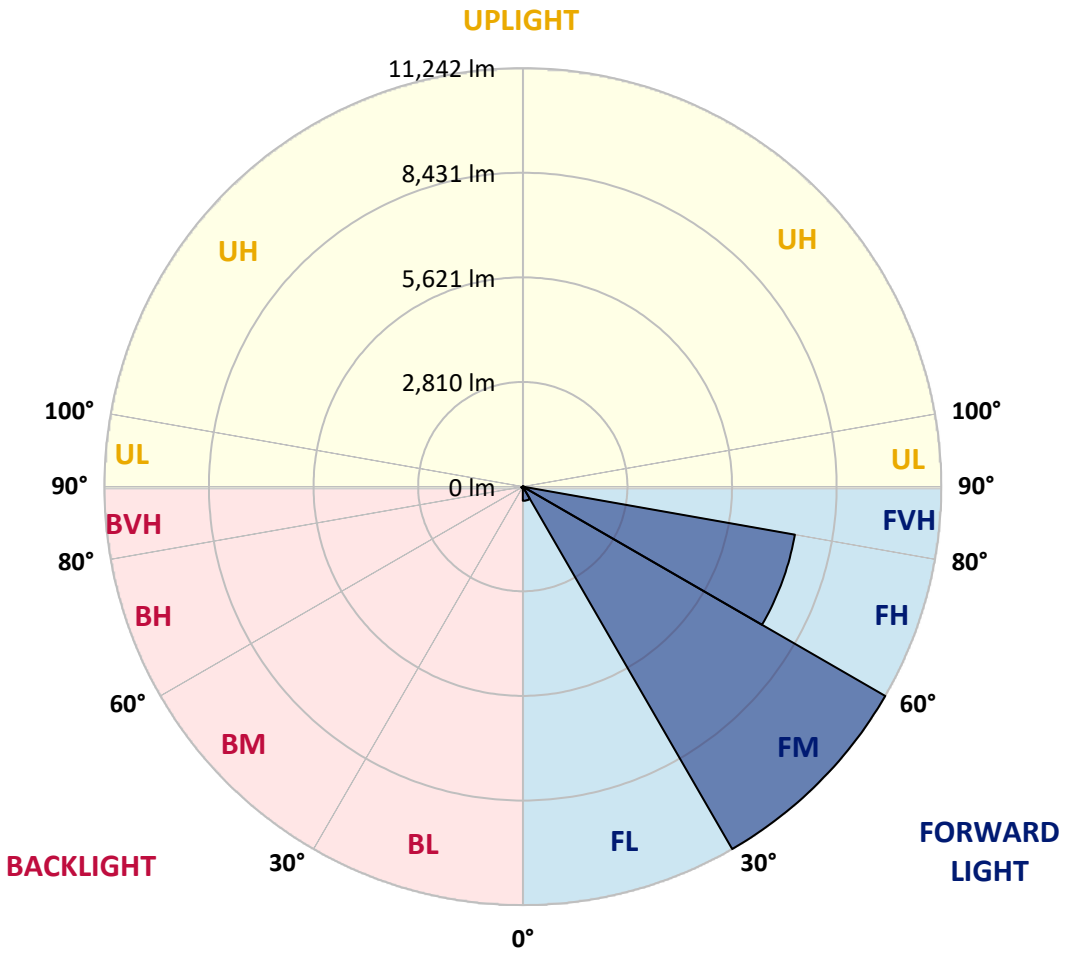
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	381.0	2.0			
FM	(30°-60°)	11241.7	58.6			
FH	(60°-80°)	7422.2	38.7			G3/7500
FVH	(80°-90°)	41.0	0.2			G1/100
BL	(0°-30°)	10.3	0.1	B0/110		
BM	(30°-60°)	37.7	0.2	B0/220		
BH	(60°-80°)	42.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	54.1	54.1	54.1	54.1	54.1	*54.1*	54.1	54.1	54.1	54.1	54.1
2.5°	84.2	84.2	78.2	72.2	66.1	*60.1*	60.1	60.1	54.1	54.1	48.1
5°	96.2	96.2	90.2	84.2	84.2	*78.2*	78.2	72.2	66.1	66.1	60.1
7.5°	102.2	102.2	102.2	102.2	96.2	*96.2*	96.2	90.2	84.2	78.2	72.2
10°	108.2	114.2	120.3	120.3	120.3	*120.3*	120.3	114.2	102.2	96.2	84.2
12.5°	120.3	126.3	138.3	150.3	150.3	*156.3*	150.3	144.3	132.3	114.2	96.2
15°	132.3	144.3	162.4	186.4	210.5	*216.5*	216.5	198.4	174.4	138.3	114.2
17.5°	150.3	168.4	216.5	294.6	378.8	*445.0*	445.0	396.9	276.6	180.4	132.3
20°	162.4	198.4	348.8	709.5	1082.4	*1359.0*	1304.8	1154.5	619.3	282.6	144.3
22.5°	180.4	252.5	739.6	1864.0	2886.3	*3391.4*	3271.1	2483.4	1389.0	505.1	174.4
25°	204.4	366.8	1467.2	3493.6	5363.6	*5910.8*	5832.7	4636.1	2531.5	847.8	222.5
27.5°	252.5	541.2	2351.1	5297.5	7913.2	*8382.2*	8352.1	6788.7	4046.8	1365.0	288.6
30°	318.7	787.7	3487.6	7197.6	9602.9	*10077.9*	9927.6	8364.2	5459.9	2086.5	372.8
32.5°	396.9	1100.4	4515.8	8598.7	11160.2	*11785.6*	11605.2	9735.1	6596.3	2699.9	553.2
35°	517.1	1407.1	5532.0	9837.4	12958.1	*13751.9*	13451.2	11148.2	7576.5	3391.4	667.4
37.5°	577.3	1587.4	6464.0	11184.3	14978.5	*16060.9*	15832.4	12934.1	8574.6	4275.3	817.8
40°	583.3	1803.9	7432.1	12940.1	17834.7	*19764.9*	19356.0	16000.8	10432.7	5411.8	1052.3
42.5°	601.3	2128.6	8688.9	15934.6	23444.9	*26216.9*	25753.9	21641.0	14647.8	7690.7	1491.2
45°	685.5	2742.0	11250.4	21532.8	31147.7	*35212.5*	34677.3	29500.1	20534.6	11978.0	2543.5
47.5°	980.1	4125.0	15742.2	27575.9	39024.8	*42265.8*	42133.5	35693.5	25868.2	16373.6	4311.4
50°	1575.4	6331.8	20853.3	32656.9	44039.7	*46823.7*	46493.0	38279.1	28910.8	19374.1	5526.0
52.5°	2104.6	8442.3	24064.3	34527.0	45536.9	*48856.1*	48453.2	39223.2	29710.5	20258.0	5862.7
55°	2236.9	9206.0	25020.3	35104.2	46529.1	*50575.8*	49992.6	39854.6	29812.8	19626.6	5303.5
57.5°	2170.7	8484.4	24401.0	35669.5	47912.1	*52343.7*	51568.0	41087.2	30155.5	18556.3	4413.6
59°	*2056.5*	*7594.5*	*24016.2*	*36120.5*	*48675.7*	*52620.3*	*51892.7*	*41357.8*	*30384.0*	*18069.2*	*3872.4*
60°	1924.2	6993.2	23715.5	36415.1	48627.6	*52187.3*	51435.7	41231.6	30474.2	17648.3	3613.8
62.5°	1485.2	5580.1	23282.6	36204.6	45591.0	*48236.8*	47809.8	38140.8	29151.3	16301.4	2850.2
65°	1154.5	4269.3	21695.1	32290.1	38796.3	*40576.1*	40443.8	32296.1	24533.3	14052.5	2056.5
67.5°	914.0	3114.8	18345.8	26150.8	31213.8	*33745.3*	33649.1	26216.9	18622.4	10739.3	1479.2
70°	745.6	2218.8	12579.3	19716.8	24966.2	*28153.1*	28014.8	21099.8	13800.0	6812.8	1076.3
72.5°	631.4	1419.1	7630.6	14864.3	20835.3	*22657.2*	22254.3	17023.0	10035.8	3710.1	853.9
75°	535.2	871.9	3782.2	9266.1	12411.0	*12398.9*	11996.1	9013.6	5387.7	1815.9	679.5
77.5°	432.9	613.3	1485.2	2543.5	3914.5	*4846.5*	4768.4	3192.9	1611.5	529.1	420.9
80°	282.6	288.6	396.9	697.5	1076.3	*1190.6*	1352.9	974.1	469.0	252.5	174.4
82.5°	126.3	138.3	180.4	228.5	228.5	*210.5*	186.4	138.3	102.2	84.2	42.1
85°	30.1	42.1	30.1	36.1	30.1	*24.1*	24.1	12.0	0.0	0.0	0.0
87.5°	6.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2.5°	48.1	48.1	48.1	42.1	42.1	42.1	36.1	36.1	36.1	30.1	30.1
5°	60.1	54.1	48.1	48.1	42.1	42.1	36.1	30.1	30.1	30.1	24.1
7.5°	66.1	60.1	54.1	48.1	42.1	36.1	36.1	30.1	24.1	24.1	24.1
10°	78.2	72.2	60.1	48.1	42.1	36.1	30.1	30.1	24.1	18.0	18.0
12.5°	90.2	78.2	66.1	54.1	42.1	36.1	30.1	30.1	24.1	18.0	12.0
15°	102.2	90.2	72.2	54.1	42.1	36.1	30.1	30.1	18.0	12.0	6.0
17.5°	114.2	96.2	72.2	60.1	42.1	36.1	30.1	24.1	12.0	6.0	0.0
20°	120.3	102.2	78.2	60.1	42.1	36.1	30.1	18.0	6.0	0.0	0.0
22.5°	132.3	114.2	84.2	60.1	42.1	30.1	18.0	6.0	0.0	0.0	0.0
25°	156.3	120.3	84.2	60.1	42.1	30.1	12.0	0.0	0.0	0.0	0.0
27.5°	174.4	132.3	84.2	60.1	42.1	24.1	6.0	0.0	0.0	0.0	0.0
30°	204.4	144.3	90.2	60.1	42.1	18.0	6.0	0.0	0.0	0.0	0.0
32.5°	252.5	156.3	90.2	60.1	36.1	18.0	0.0	0.0	0.0	0.0	0.0
35°	306.7	180.4	90.2	60.1	36.1	18.0	0.0	0.0	0.0	0.0	0.0
37.5°	312.7	192.4	90.2	60.1	36.1	12.0	0.0	0.0	0.0	0.0	0.0
40°	324.7	180.4	96.2	60.1	36.1	12.0	0.0	0.0	0.0	0.0	0.0
42.5°	372.8	168.4	102.2	60.1	36.1	12.0	0.0	0.0	0.0	0.0	0.0
45°	553.2	174.4	102.2	66.1	36.1	18.0	0.0	0.0	0.0	0.0	0.0
47.5°	962.1	180.4	96.2	66.1	36.1	18.0	0.0	0.0	0.0	0.0	0.0
50°	1232.7	210.5	96.2	72.2	42.1	12.0	0.0	0.0	0.0	0.0	0.0
52.5°	1310.8	246.5	96.2	78.2	54.1	6.0	0.0	0.0	0.0	0.0	0.0
55°	1274.8	288.6	102.2	84.2	66.1	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1178.6	312.7	108.2	90.2	72.2	0.0	0.0	0.0	0.0	0.0	0.0
59°	*1076.3*	*330.7*	*126.3*	*96.2*	*72.2*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	992.2	348.8	132.3	102.2	72.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	799.7	372.8	144.3	120.3	60.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	697.5	390.8	150.3	132.3	54.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	637.4	402.9	162.4	138.3	48.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	589.3	396.9	174.4	132.3	42.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	535.2	378.8	210.5	120.3	36.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	481.0	342.7	228.5	108.2	24.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	348.8	288.6	210.5	96.2	12.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	150.3	156.3	150.3	72.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.1	36.1	30.1	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2.5°	30.1	30.1	30.1	30.1	36.1	36.1	48.1	60.1	72.2	78.2	78.2
5°	24.1	24.1	24.1	24.1	24.1	30.1	36.1	48.1	66.1	72.2	72.2
7.5°	18.0	18.0	18.0	18.0	18.0	18.0	30.1	42.1	60.1	66.1	72.2
10°	18.0	12.0	12.0	6.0	6.0	12.0	18.0	36.1	54.1	60.1	66.1
12.5°	12.0	6.0	6.0	0.0	0.0	6.0	12.0	30.1	48.1	54.1	60.1
15°	6.0	0.0	0.0	0.0	0.0	0.0	6.0	24.1	42.1	48.1	60.1
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	36.1	48.1	54.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	30.1	42.1	48.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	24.1	36.1	42.1
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	24.1	30.1
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	18.0	24.1
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	18.0	24.1
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0	18.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0	18.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0	12.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
59°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*6.0*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	6.0
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: P1066806
CATALOG NUMBER: NVN-SA5B-750-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
2.5°	84.2	84.2	78.2	72.2	72.2	72.2	78.2	84.2	84.2	84.2
5°	78.2	78.2	72.2	72.2	72.2	72.2	78.2	90.2	96.2	96.2
7.5°	78.2	78.2	72.2	72.2	72.2	72.2	78.2	90.2	96.2	102.2
10°	72.2	72.2	72.2	72.2	66.1	72.2	78.2	90.2	108.2	108.2
12.5°	72.2	72.2	72.2	72.2	66.1	72.2	84.2	96.2	114.2	120.3
15°	72.2	72.2	72.2	66.1	66.1	72.2	84.2	102.2	120.3	132.3
17.5°	66.1	72.2	72.2	66.1	66.1	72.2	84.2	102.2	132.3	150.3
20°	60.1	66.1	72.2	66.1	66.1	66.1	84.2	102.2	138.3	162.4
22.5°	54.1	60.1	66.1	66.1	60.1	66.1	84.2	108.2	150.3	180.4
25°	48.1	54.1	54.1	60.1	60.1	66.1	84.2	108.2	156.3	204.4
27.5°	36.1	42.1	48.1	54.1	54.1	66.1	84.2	114.2	168.4	252.5
30°	30.1	36.1	42.1	48.1	54.1	66.1	84.2	114.2	180.4	318.7
32.5°	30.1	36.1	42.1	48.1	54.1	60.1	84.2	120.3	198.4	396.9
35°	24.1	30.1	36.1	48.1	48.1	60.1	84.2	120.3	216.5	517.1
37.5°	24.1	30.1	36.1	48.1	48.1	60.1	84.2	120.3	264.6	577.3
40°	18.0	24.1	30.1	48.1	48.1	60.1	90.2	126.3	270.6	583.3
42.5°	18.0	24.1	30.1	42.1	48.1	60.1	90.2	126.3	252.5	601.3
45°	18.0	24.1	30.1	48.1	54.1	66.1	90.2	132.3	246.5	685.5
47.5°	18.0	24.1	30.1	48.1	60.1	66.1	90.2	132.3	252.5	980.1
50°	18.0	24.1	30.1	48.1	66.1	66.1	90.2	132.3	276.6	1575.4
52.5°	12.0	18.0	24.1	42.1	54.1	72.2	96.2	126.3	294.6	2104.6
55°	12.0	12.0	18.0	36.1	48.1	78.2	102.2	126.3	342.7	2236.9
57.5°	12.0	12.0	18.0	30.1	42.1	84.2	108.2	126.3	396.9	2170.7
59°	*12.0*	*12.0*	*12.0*	*30.1*	*36.1*	*84.2*	*108.2*	*132.3*	*402.9*	*2056.5*
60°	12.0	12.0	12.0	24.1	36.1	84.2	114.2	138.3	408.9	1924.2
62.5°	6.0	6.0	6.0	24.1	30.1	84.2	126.3	168.4	420.9	1485.2
65°	12.0	12.0	6.0	18.0	30.1	72.2	144.3	180.4	426.9	1154.5
67.5°	12.0	12.0	12.0	24.1	30.1	72.2	150.3	186.4	426.9	914.0
70°	12.0	12.0	12.0	24.1	36.1	72.2	150.3	192.4	420.9	745.6
72.5°	12.0	12.0	12.0	24.1	36.1	66.1	138.3	198.4	402.9	631.4
75°	12.0	12.0	12.0	18.0	30.1	60.1	132.3	216.5	366.8	535.2
77.5°	12.0	12.0	12.0	12.0	24.1	48.1	120.3	240.5	324.7	432.9
80°	18.0	12.0	12.0	12.0	18.0	42.1	114.2	234.5	270.6	282.6
82.5°	18.0	12.0	12.0	6.0	12.0	30.1	90.2	180.4	138.3	126.3
85°	12.0	12.0	12.0	6.0	6.0	18.0	42.1	54.1	42.1	30.1
87.5°	12.0	12.0	12.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

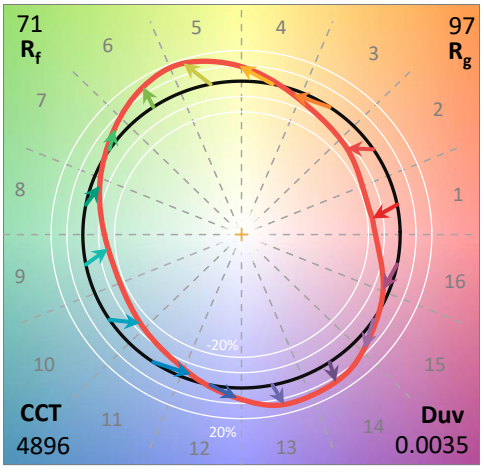
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

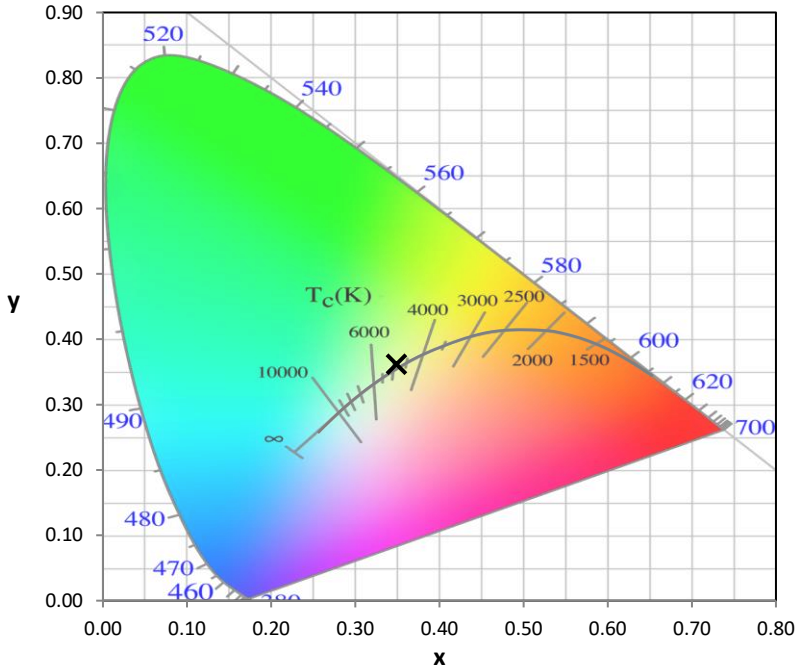
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

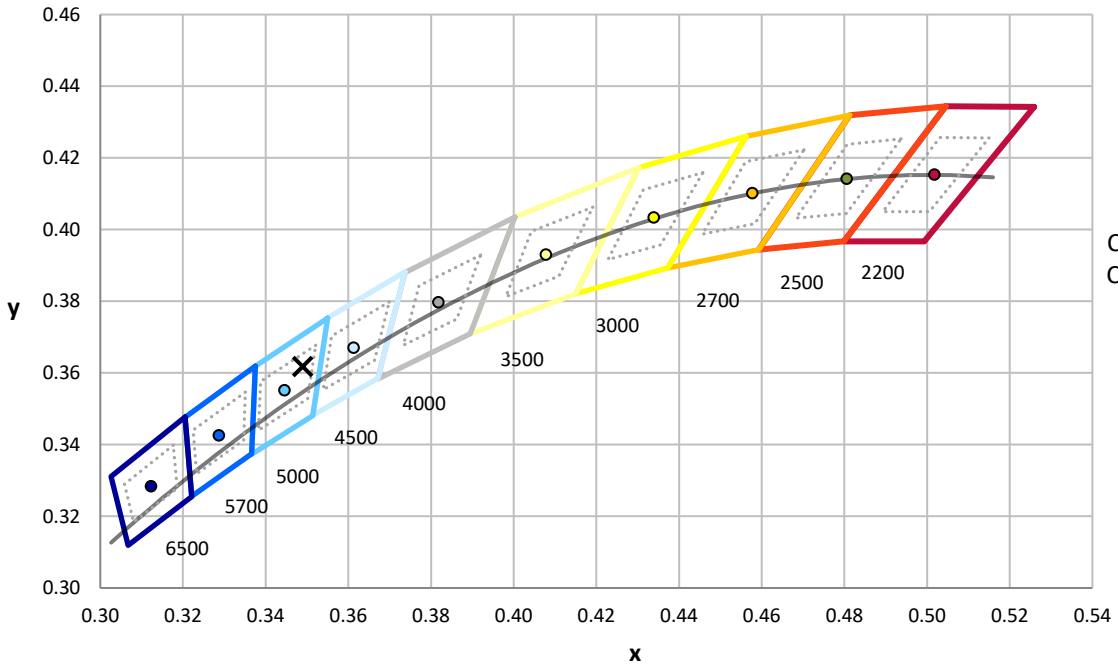
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

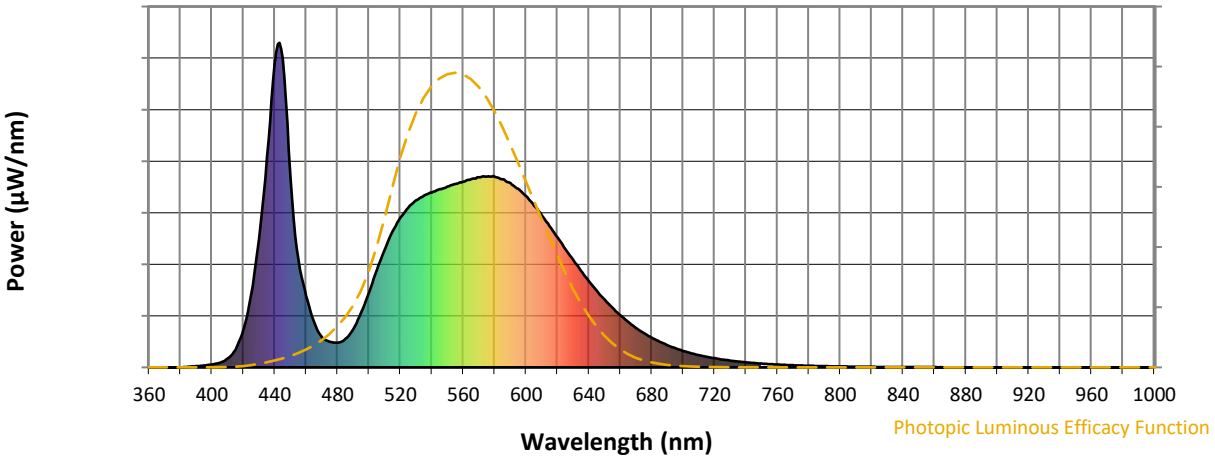


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

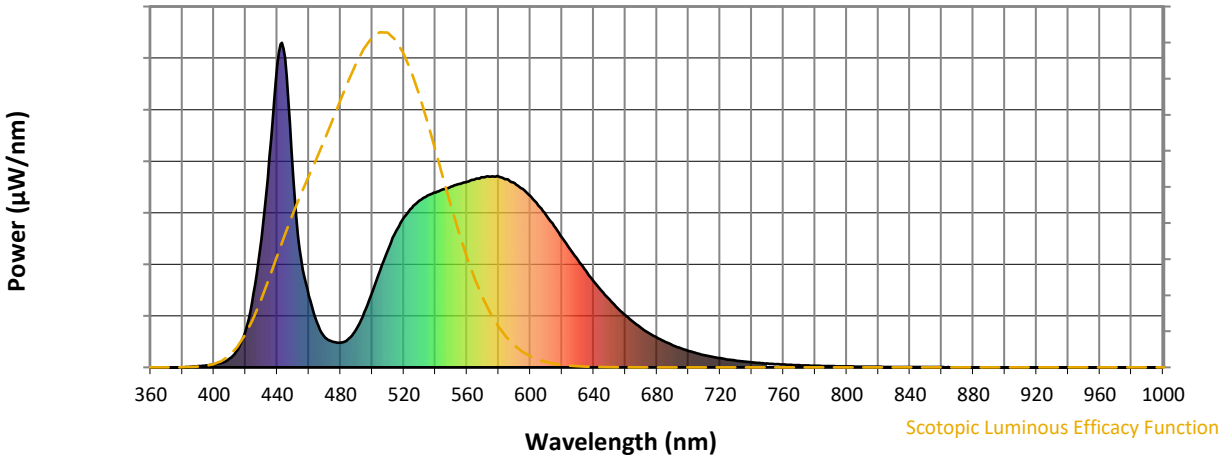


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

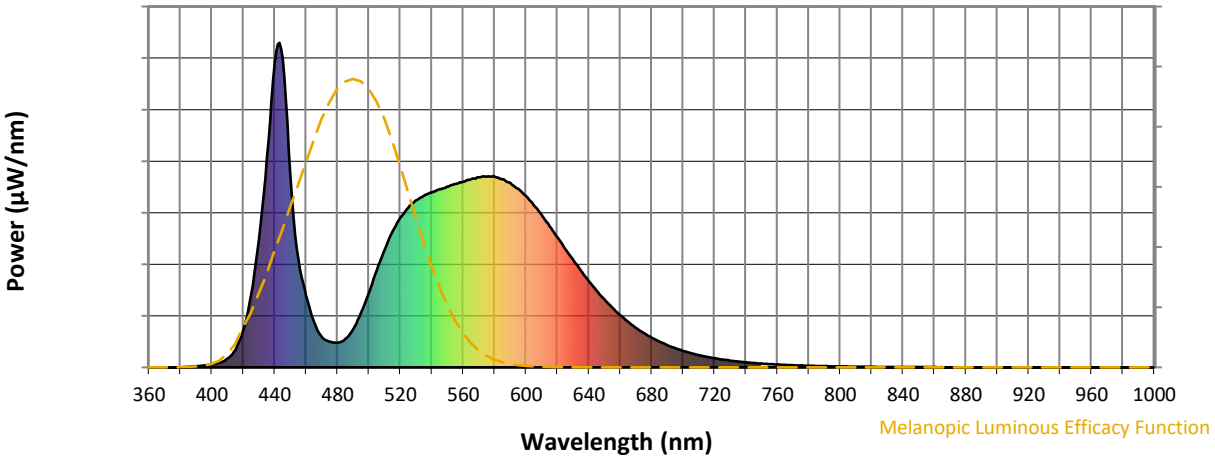


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

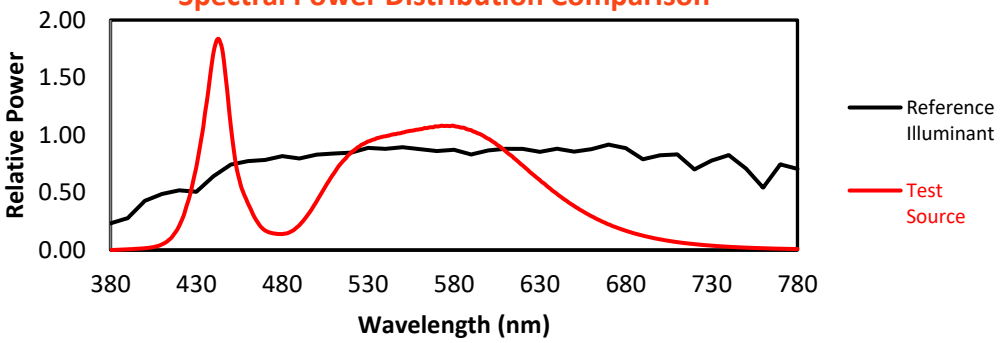
REPORT NUMBER: SP1-2407-184-6

TM-30-18

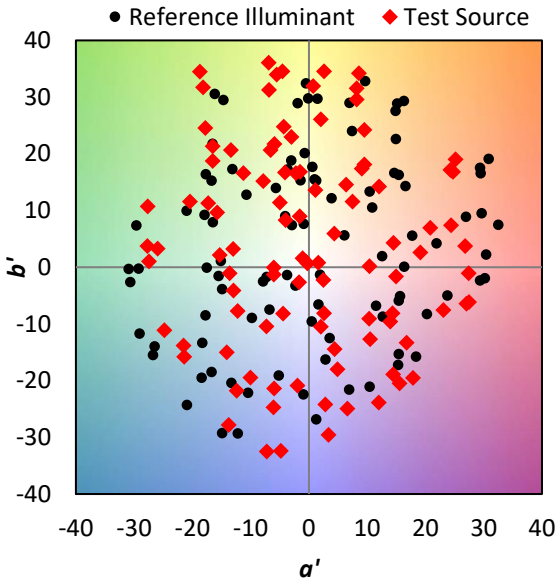
Summary

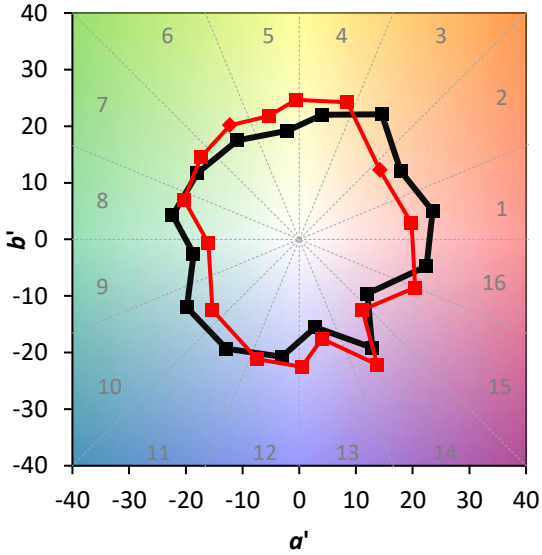
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

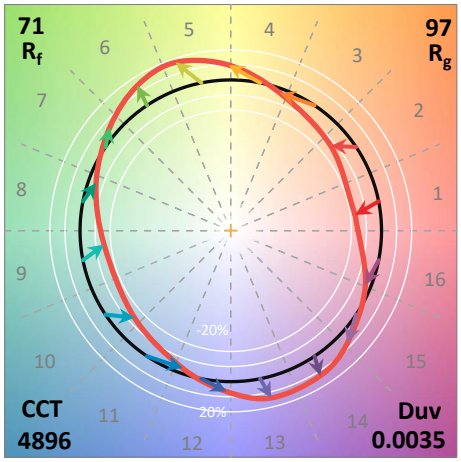
Spectral Power Distribution Comparison

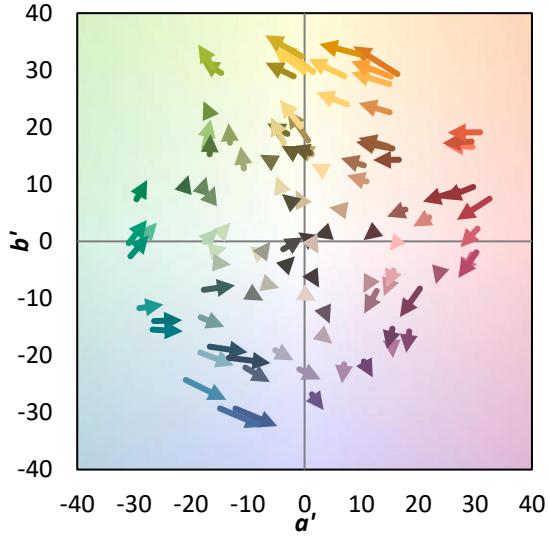


Color Vector Graphics







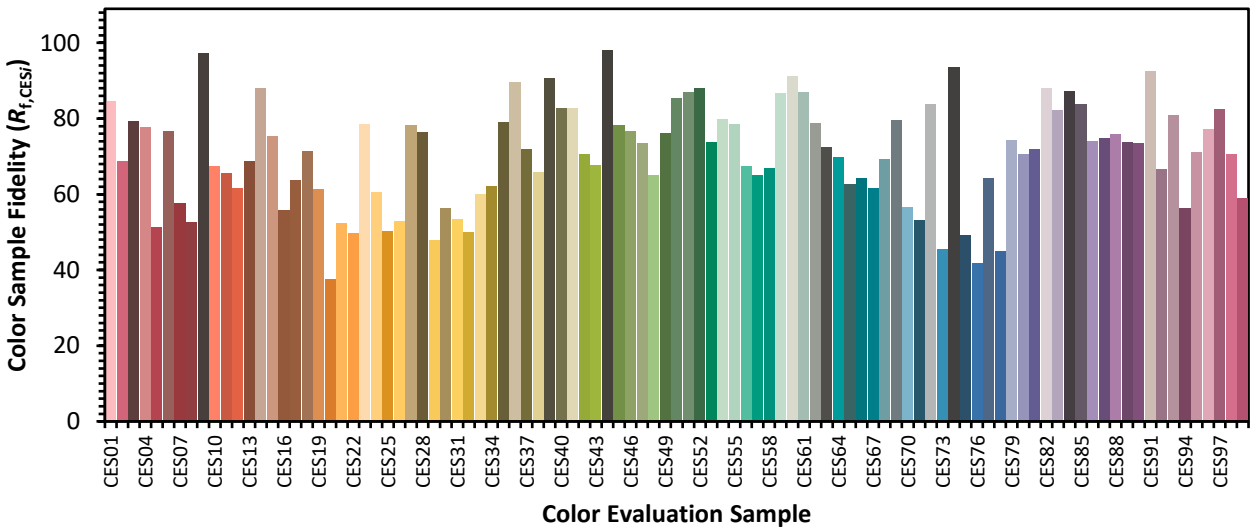


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



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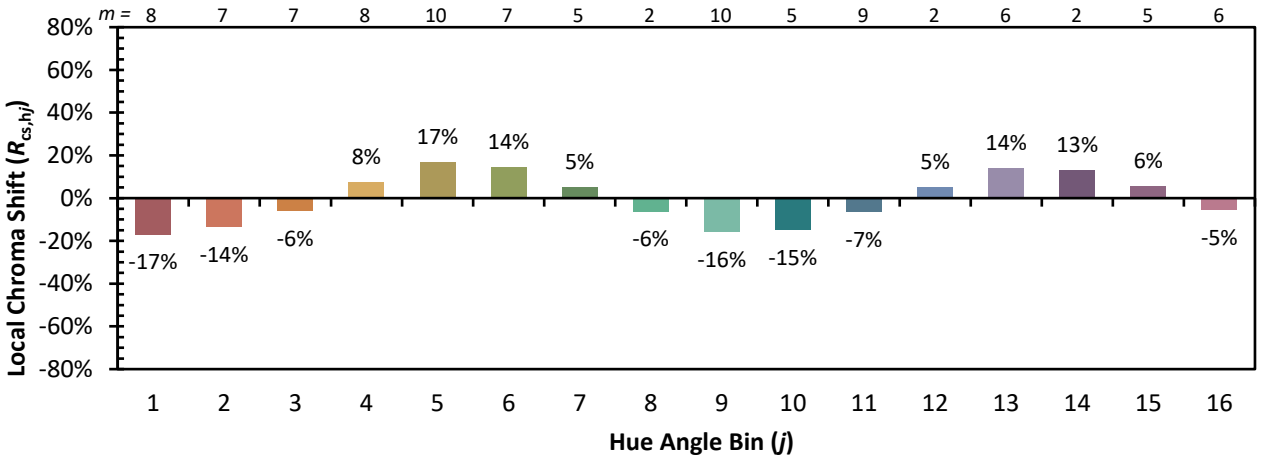
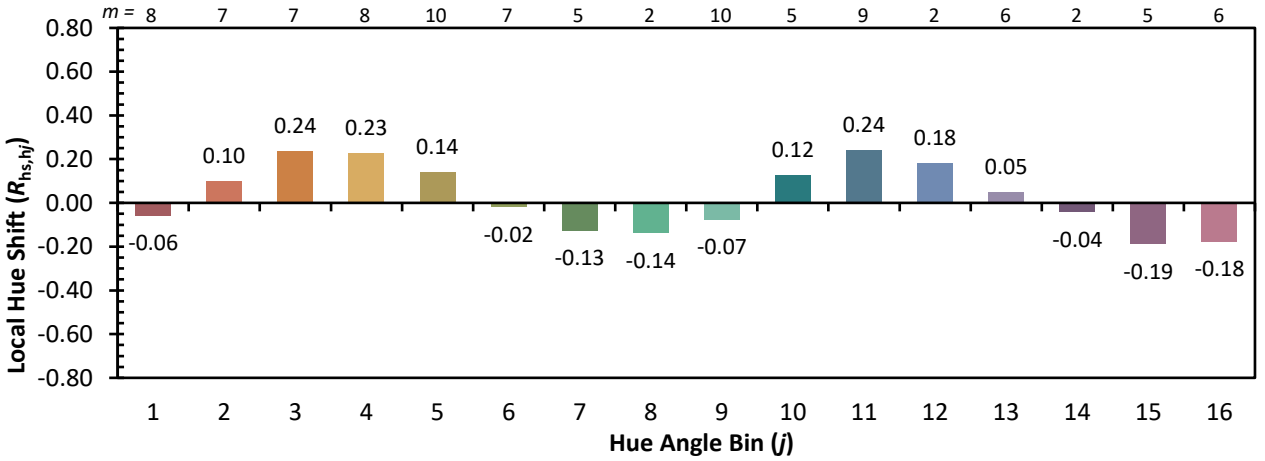
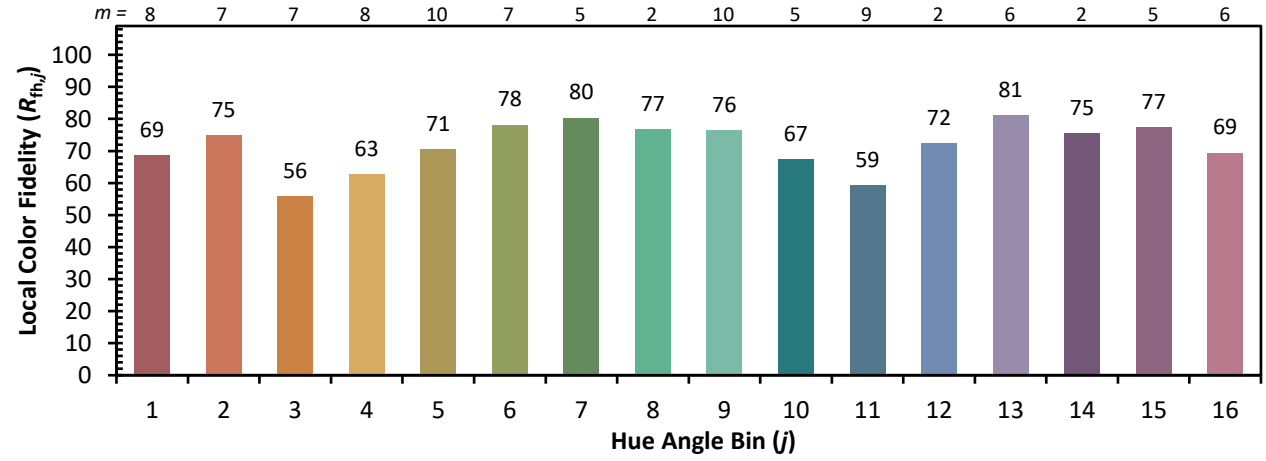
Color Rendition by Hue-Angle Bin







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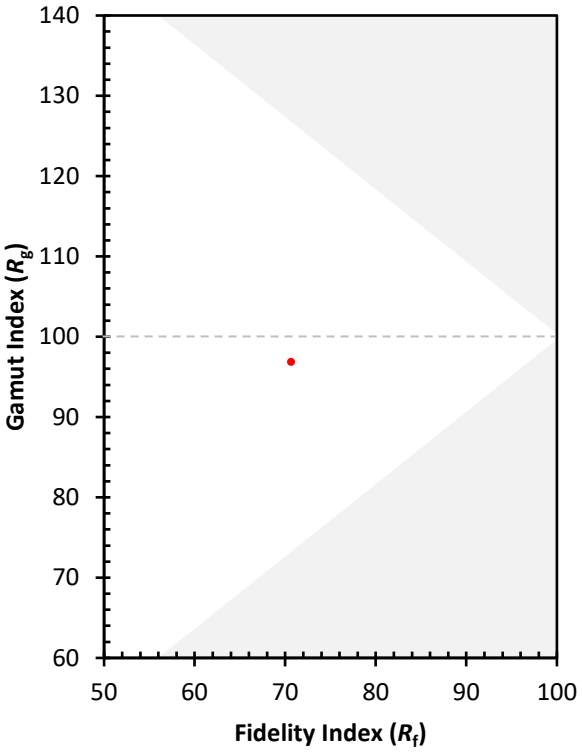
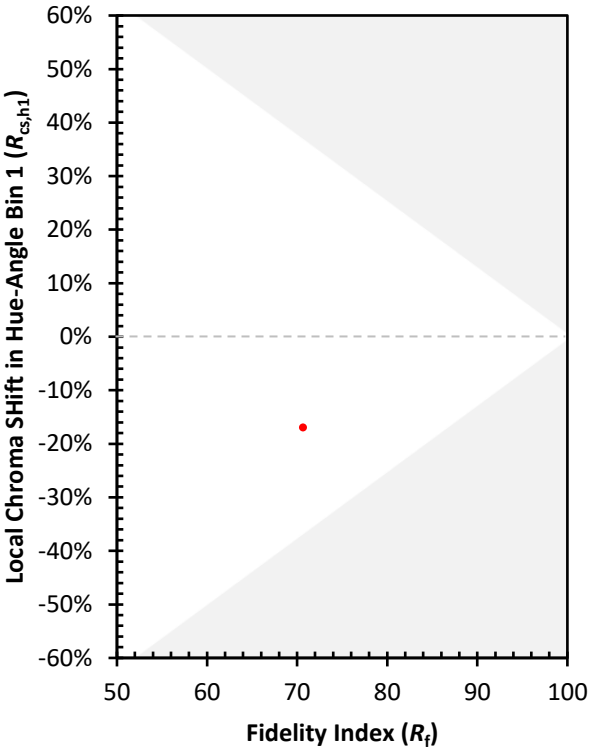
Measure Comparisons





(END OF REPORT)