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: P1066884

Luminaire Tested: **NVN-SA6D-830-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1066884
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	NVN-SA6D-830-U-LBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1200mA 6xLight Square PACKAGE 80CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(84) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25090.4 lumens
Efficiency:	N/A
Efficacy:	78.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	320.4
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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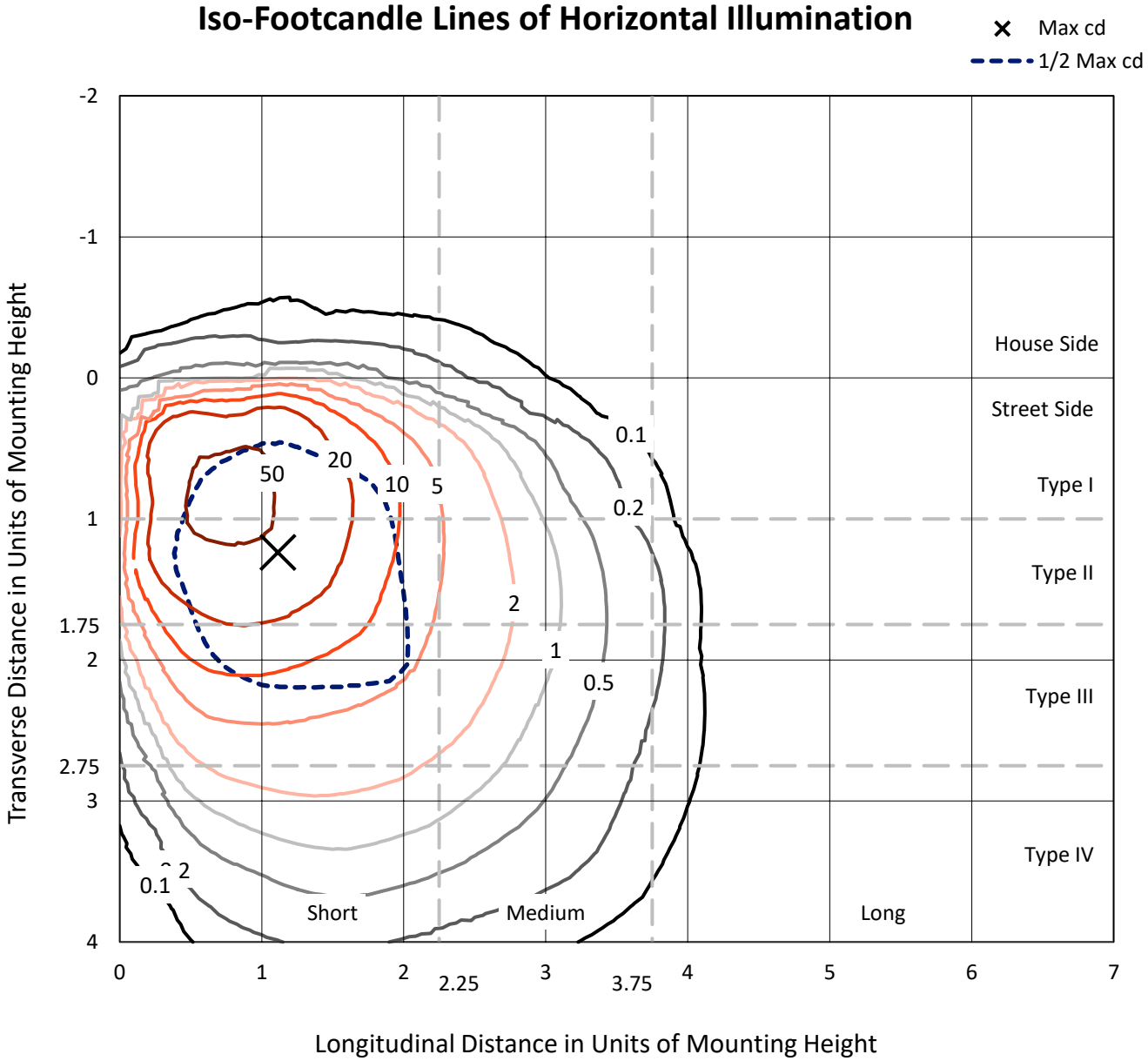
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 74.5 fc
Type III - Short - N/A

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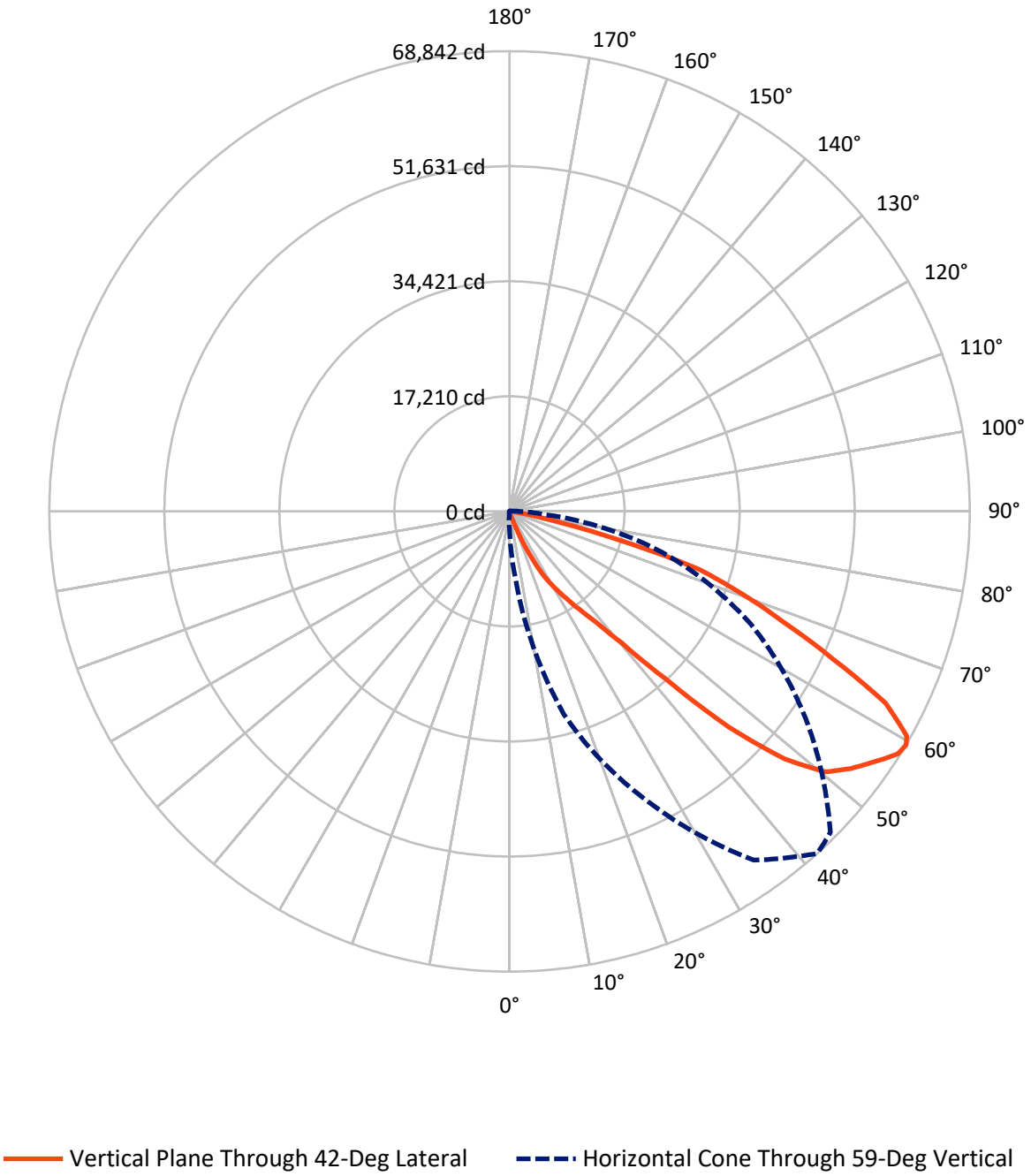
Luminous Intensity Polar Plot



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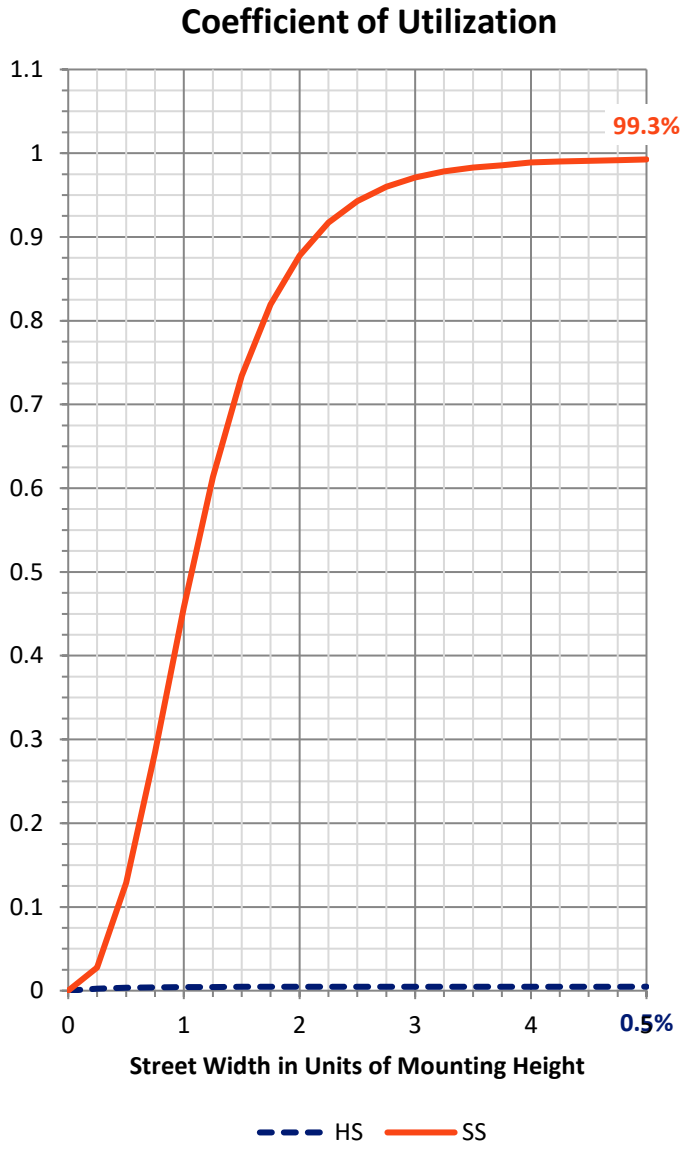
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	120.9	0.0	120.9
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	24969.5	0.0	24969.5
	% Fixture	99.5	0.0	99.5
Total	Lumens	25090.4	0.0	25090.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.0
10°-20°	36.6	0.1
20°-30°	468.0	1.9
30°-40°	1577.9	6.3
40°-50°	4765.8	19.0
50°-60°	8412.9	33.5
60°-70°	7407.7	29.5
70°-80°	2357.9	9.4
80°-90°	56.4	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°	25090.4	100.0
0°-180°	25090.4	100.0



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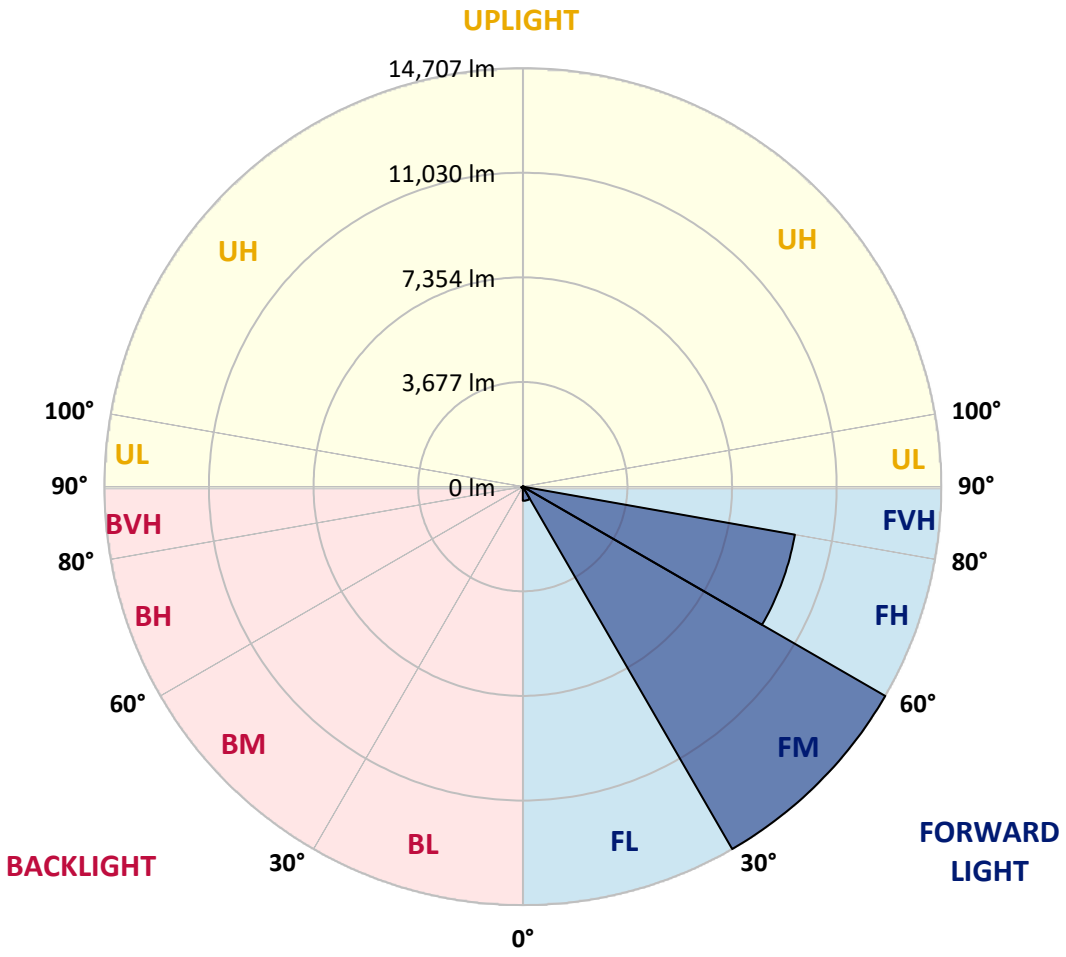
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	498.5	2.0			
FM	(30°-60°)	14707.2	58.6			
FH	(60°-80°)	9710.2	38.7			G4/12000
FVH	(80°-90°)	53.7	0.2			G1/100
BL	(0°-30°)	13.5	0.1	B0/110		
BM	(30°-60°)	49.4	0.2	B0/220		
BH	(60°-80°)	55.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	70.8	70.8	70.8	70.8	70.8	*70.8*	70.8	70.8	70.8	70.8	70.8
2.5°	110.1	110.1	102.3	94.4	86.5	*78.7*	78.7	78.7	70.8	70.8	62.9
5°	125.9	125.9	118.0	110.1	110.1	*102.3*	102.3	94.4	86.5	86.5	78.7
7.5°	133.7	133.7	133.7	133.7	125.9	*125.9*	125.9	118.0	110.1	102.3	94.4
10°	141.6	149.5	157.3	157.3	157.3	*157.3*	157.3	149.5	133.7	125.9	110.1
12.5°	157.3	165.2	180.9	196.7	196.7	*204.5*	196.7	188.8	173.1	149.5	125.9
15°	173.1	188.8	212.4	243.9	275.3	*283.2*	283.2	259.6	228.1	180.9	149.5
17.5°	196.7	220.3	283.2	385.5	495.6	*582.1*	582.1	519.2	361.9	236.0	173.1
20°	212.4	259.6	456.3	928.3	1416.0	*1777.9*	1707.1	1510.4	810.3	369.7	188.8
22.5°	236.0	330.4	967.6	2438.7	3776.0	*4436.8*	4279.5	3248.9	1817.2	660.8	228.1
25°	267.5	479.9	1919.5	4570.6	7017.1	*7733.0*	7630.7	6065.2	3311.9	1109.2	291.1
27.5°	330.4	708.0	3075.9	6930.6	10352.6	*10966.2*	10926.8	8881.5	5294.3	1785.7	377.6
30°	416.9	1030.5	4562.7	9416.4	12563.1	*13184.6*	12987.9	10942.6	7143.0	2729.7	487.7
32.5°	519.2	1439.6	5907.9	11249.4	14600.6	*15418.7*	15182.7	12736.2	8629.8	3532.1	723.7
35°	676.5	1840.8	7237.4	12869.9	16952.7	*17991.1*	17597.8	14584.9	9912.0	4436.8	873.2
37.5°	755.2	2076.8	8456.7	14632.1	19595.9	*21011.9*	20713.0	16921.3	11217.9	5593.2	1069.9
40°	763.1	2360.0	9723.2	16929.1	23332.6	*25857.8*	25322.9	20933.3	13648.7	7080.0	1376.7
42.5°	786.7	2784.8	11367.4	20846.7	30672.2	*34298.8*	33693.1	28312.2	19163.3	10061.5	1950.9
45°	896.8	3587.2	14718.6	28170.6	40749.5	*46067.4*	45367.2	38594.0	26864.8	15670.5	3327.6
47.5°	1282.3	5396.6	20595.0	36076.7	51054.9	*55295.0*	55121.9	46696.7	33842.5	21421.0	5640.4
50°	2061.1	8283.6	27281.7	42724.0	57615.7	*61258.0*	60825.3	50079.4	37823.1	25346.5	7229.5
52.5°	2753.3	11044.8	31482.5	45170.6	59574.5	*63916.9*	63389.8	51314.5	38869.3	26502.9	7670.0
55°	2926.4	12043.9	32733.3	45925.8	60872.5	*66166.8*	65403.7	52140.5	39003.1	25676.9	6938.4
57.5°	2839.9	11099.9	31923.1	46665.2	62681.8	*68479.6*	67464.8	53753.1	39451.5	24276.6	5774.2
59°	*2690.4*	*9935.6*	*31419.6*	*47255.2*	*63680.9*	*68841.5*	*67889.6*	*54107.1*	*39750.4*	*23639.4*	*5066.2*
60°	2517.3	9149.0	31026.2	47640.7	63618.0	*68275.1*	67291.7	53941.9	39868.4	23088.8	4727.9
62.5°	1943.1	7300.3	30459.8	47365.4	59645.3	*63106.6*	62548.1	49898.4	38137.7	21326.6	3728.8
65°	1510.4	5585.4	28383.0	42244.2	50755.9	*53084.5*	52911.4	42252.0	32096.1	18384.5	2690.4
67.5°	1195.7	4074.9	24001.3	34212.3	40836.0	*44147.9*	44022.0	34298.8	24363.2	14049.9	1935.2
70°	975.5	2902.8	16457.1	25794.9	32662.5	*36831.9*	36650.9	27604.2	18054.1	8913.0	1408.1
72.5°	826.0	1856.5	9982.8	19446.5	27258.1	*29641.7*	29114.6	22270.6	13129.5	4853.8	1117.1
75°	700.1	1140.7	4948.2	12122.6	16236.9	*16221.1*	15694.1	11792.2	7048.6	2375.7	888.9
77.5°	566.4	802.4	1943.1	3327.6	5121.2	*6340.6*	6238.3	4177.2	2108.3	692.3	550.7
80°	369.7	377.6	519.2	912.5	1408.1	*1557.6*	1770.0	1274.4	613.6	330.4	228.1
82.5°	165.2	180.9	236.0	298.9	298.9	*275.3*	243.9	180.9	133.7	110.1	55.1
85°	39.3	55.1	39.3	47.2	39.3	*31.5*	31.5	15.7	0.0	0.0	0.0
87.5°	7.9	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°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2.5°	62.9	62.9	62.9	55.1	55.1	55.1	47.2	47.2	47.2	39.3	39.3
5°	78.7	70.8	62.9	62.9	55.1	55.1	47.2	39.3	39.3	39.3	31.5
7.5°	86.5	78.7	70.8	62.9	55.1	47.2	47.2	39.3	31.5	31.5	31.5
10°	102.3	94.4	78.7	62.9	55.1	47.2	39.3	39.3	31.5	23.6	23.6
12.5°	118.0	102.3	86.5	70.8	55.1	47.2	39.3	39.3	31.5	23.6	15.7
15°	133.7	118.0	94.4	70.8	55.1	47.2	39.3	39.3	23.6	15.7	7.9
17.5°	149.5	125.9	94.4	78.7	55.1	47.2	39.3	31.5	15.7	7.9	0.0
20°	157.3	133.7	102.3	78.7	55.1	47.2	39.3	23.6	7.9	0.0	0.0
22.5°	173.1	149.5	110.1	78.7	55.1	39.3	23.6	7.9	0.0	0.0	0.0
25°	204.5	157.3	110.1	78.7	55.1	39.3	15.7	0.0	0.0	0.0	0.0
27.5°	228.1	173.1	110.1	78.7	55.1	31.5	7.9	0.0	0.0	0.0	0.0
30°	267.5	188.8	118.0	78.7	55.1	23.6	7.9	0.0	0.0	0.0	0.0
32.5°	330.4	204.5	118.0	78.7	47.2	23.6	0.0	0.0	0.0	0.0	0.0
35°	401.2	236.0	118.0	78.7	47.2	23.6	0.0	0.0	0.0	0.0	0.0
37.5°	409.1	251.7	118.0	78.7	47.2	15.7	0.0	0.0	0.0	0.0	0.0
40°	424.8	236.0	125.9	78.7	47.2	15.7	0.0	0.0	0.0	0.0	0.0
42.5°	487.7	220.3	133.7	78.7	47.2	15.7	0.0	0.0	0.0	0.0	0.0
45°	723.7	228.1	133.7	86.5	47.2	23.6	0.0	0.0	0.0	0.0	0.0
47.5°	1258.7	236.0	125.9	86.5	47.2	23.6	0.0	0.0	0.0	0.0	0.0
50°	1612.7	275.3	125.9	94.4	55.1	15.7	0.0	0.0	0.0	0.0	0.0
52.5°	1714.9	322.5	125.9	102.3	70.8	7.9	0.0	0.0	0.0	0.0	0.0
55°	1667.7	377.6	133.7	110.1	86.5	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1541.9	409.1	141.6	118.0	94.4	0.0	0.0	0.0	0.0	0.0	0.0
59°	*1408.1*	*432.7*	*165.2*	*125.9*	*94.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	1298.0	456.3	173.1	133.7	94.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1046.3	487.7	188.8	157.3	78.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	912.5	511.3	196.7	173.1	70.8	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	833.9	527.1	212.4	180.9	62.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	770.9	519.2	228.1	173.1	55.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	700.1	495.6	275.3	157.3	47.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	629.3	448.4	298.9	141.6	31.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	456.3	377.6	275.3	125.9	15.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	196.7	204.5	196.7	94.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.3	47.2	39.3	23.6	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°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2.5°	39.3	39.3	39.3	39.3	47.2	47.2	62.9	78.7	94.4	102.3	102.3
5°	31.5	31.5	31.5	31.5	31.5	39.3	47.2	62.9	86.5	94.4	94.4
7.5°	23.6	23.6	23.6	23.6	23.6	23.6	39.3	55.1	78.7	86.5	94.4
10°	23.6	15.7	15.7	7.9	7.9	15.7	23.6	47.2	70.8	78.7	86.5
12.5°	15.7	7.9	7.9	0.0	0.0	7.9	15.7	39.3	62.9	70.8	78.7
15°	7.9	0.0	0.0	0.0	0.0	0.0	7.9	31.5	55.1	62.9	78.7
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	47.2	62.9	70.8
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	39.3	55.1	62.9
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	31.5	47.2	55.1
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	31.5	39.3
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	23.6	31.5
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	23.6	31.5
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7	23.6
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7	23.6
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7	15.7
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
59°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*7.9*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1066884
CATALOG NUMBER: NVN-SA6D-830-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2.5°	110.1	110.1	102.3	94.4	94.4	94.4	102.3	110.1	110.1	110.1
5°	102.3	102.3	94.4	94.4	94.4	94.4	102.3	118.0	125.9	125.9
7.5°	102.3	102.3	94.4	94.4	94.4	94.4	102.3	118.0	125.9	133.7
10°	94.4	94.4	94.4	94.4	86.5	94.4	102.3	118.0	141.6	141.6
12.5°	94.4	94.4	94.4	94.4	86.5	94.4	110.1	125.9	149.5	157.3
15°	94.4	94.4	94.4	86.5	86.5	94.4	110.1	133.7	157.3	173.1
17.5°	86.5	94.4	94.4	86.5	86.5	94.4	110.1	133.7	173.1	196.7
20°	78.7	86.5	94.4	86.5	86.5	86.5	110.1	133.7	180.9	212.4
22.5°	70.8	78.7	86.5	86.5	78.7	86.5	110.1	141.6	196.7	236.0
25°	62.9	70.8	70.8	78.7	78.7	86.5	110.1	141.6	204.5	267.5
27.5°	47.2	55.1	62.9	70.8	70.8	86.5	110.1	149.5	220.3	330.4
30°	39.3	47.2	55.1	62.9	70.8	86.5	110.1	149.5	236.0	416.9
32.5°	39.3	47.2	55.1	62.9	70.8	78.7	110.1	157.3	259.6	519.2
35°	31.5	39.3	47.2	62.9	62.9	78.7	110.1	157.3	283.2	676.5
37.5°	31.5	39.3	47.2	62.9	62.9	78.7	110.1	157.3	346.1	755.2
40°	23.6	31.5	39.3	62.9	62.9	78.7	118.0	165.2	354.0	763.1
42.5°	23.6	31.5	39.3	55.1	62.9	78.7	118.0	165.2	330.4	786.7
45°	23.6	31.5	39.3	62.9	70.8	86.5	118.0	173.1	322.5	896.8
47.5°	23.6	31.5	39.3	62.9	78.7	86.5	118.0	173.1	330.4	1282.3
50°	23.6	31.5	39.3	62.9	86.5	86.5	118.0	173.1	361.9	2061.1
52.5°	15.7	23.6	31.5	55.1	70.8	94.4	125.9	165.2	385.5	2753.3
55°	15.7	15.7	23.6	47.2	62.9	102.3	133.7	165.2	448.4	2926.4
57.5°	15.7	15.7	23.6	39.3	55.1	110.1	141.6	165.2	519.2	2839.9
59°	*15.7*	*15.7*	*15.7*	*39.3*	*47.2*	*110.1*	*141.6*	*173.1*	*527.1*	*2690.4*
60°	15.7	15.7	15.7	31.5	47.2	110.1	149.5	180.9	534.9	2517.3
62.5°	7.9	7.9	7.9	31.5	39.3	110.1	165.2	220.3	550.7	1943.1
65°	15.7	15.7	7.9	23.6	39.3	94.4	188.8	236.0	558.5	1510.4
67.5°	15.7	15.7	15.7	31.5	39.3	94.4	196.7	243.9	558.5	1195.7
70°	15.7	15.7	15.7	31.5	47.2	94.4	196.7	251.7	550.7	975.5
72.5°	15.7	15.7	15.7	31.5	47.2	86.5	180.9	259.6	527.1	826.0
75°	15.7	15.7	15.7	23.6	39.3	78.7	173.1	283.2	479.9	700.1
77.5°	15.7	15.7	15.7	15.7	31.5	62.9	157.3	314.7	424.8	566.4
80°	23.6	15.7	15.7	15.7	23.6	55.1	149.5	306.8	354.0	369.7
82.5°	23.6	15.7	15.7	7.9	15.7	39.3	118.0	236.0	180.9	165.2
85°	15.7	15.7	15.7	7.9	7.9	23.6	55.1	70.8	55.1	39.3
87.5°	15.7	15.7	15.7	7.9	7.9	7.9	7.9	7.9	7.9	7.9
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

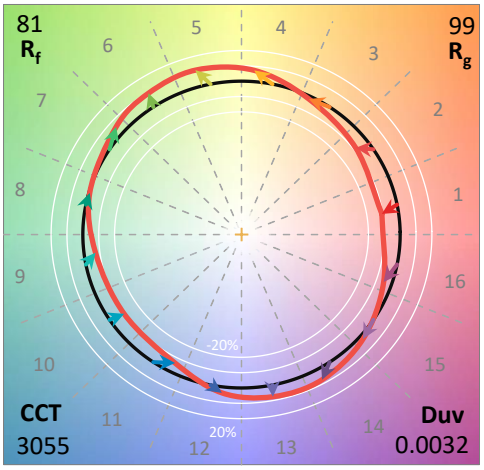
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

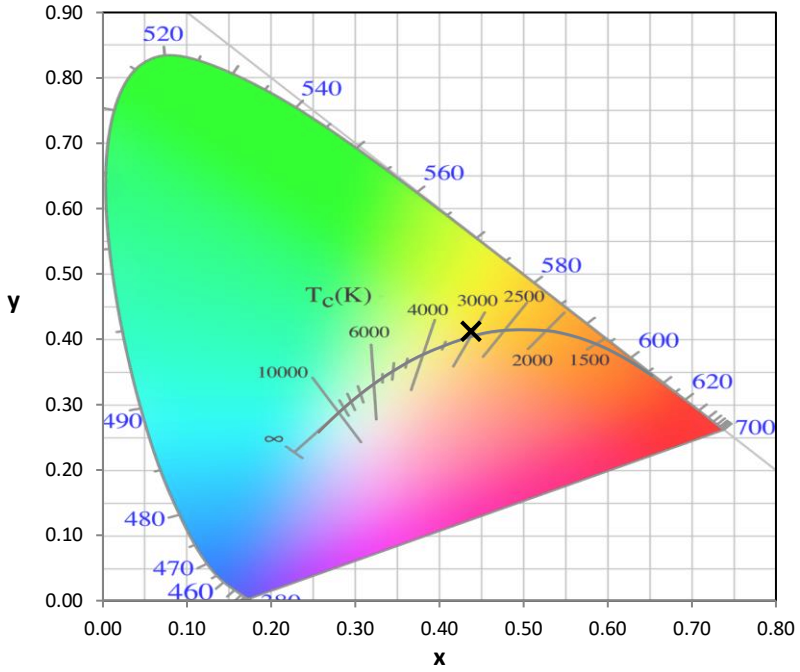
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

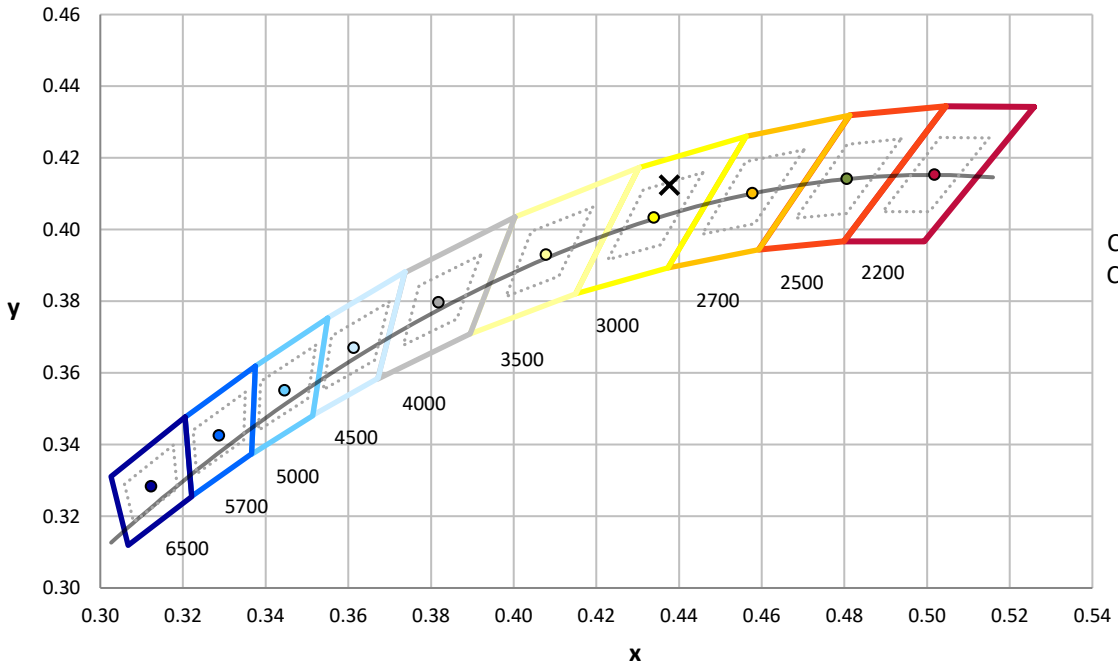
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

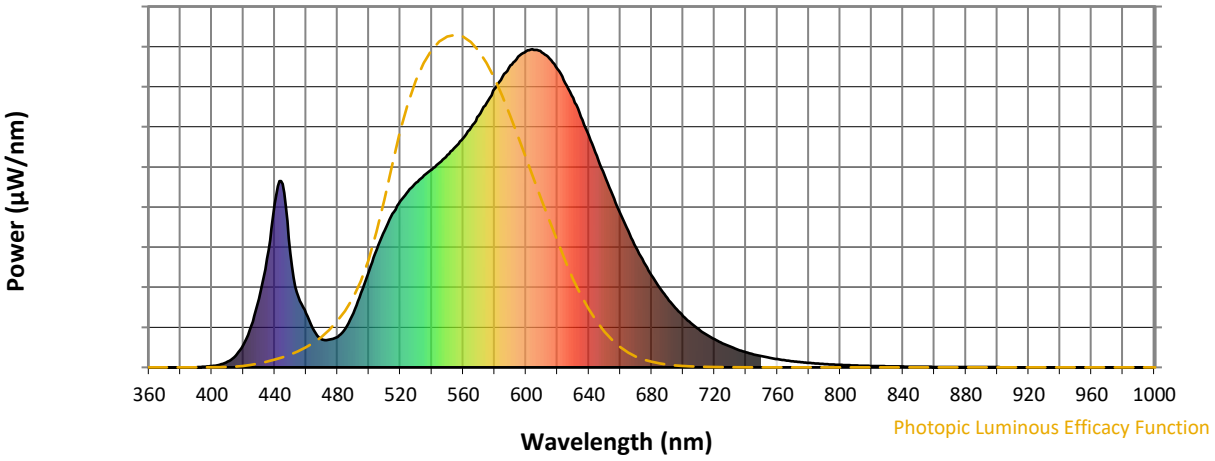


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

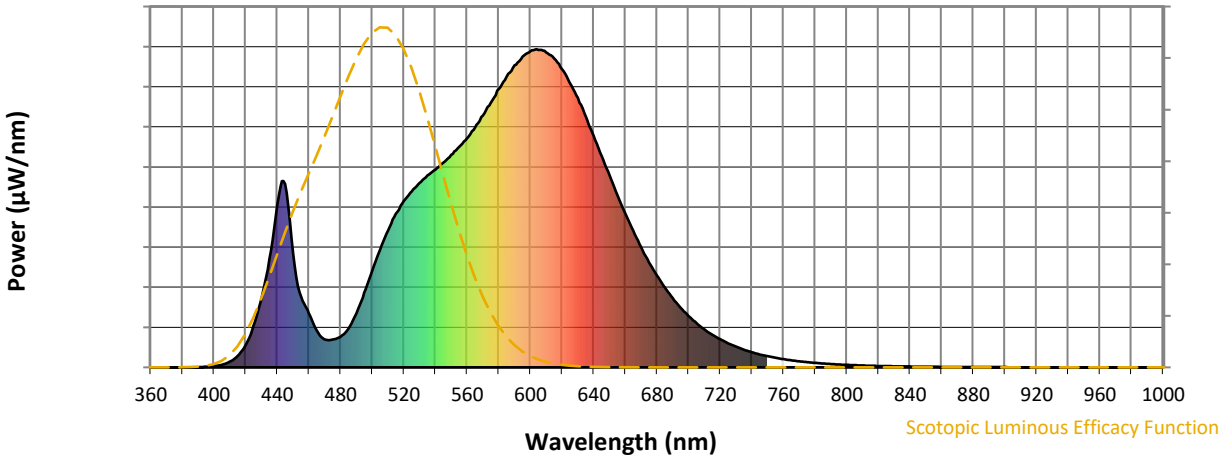


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

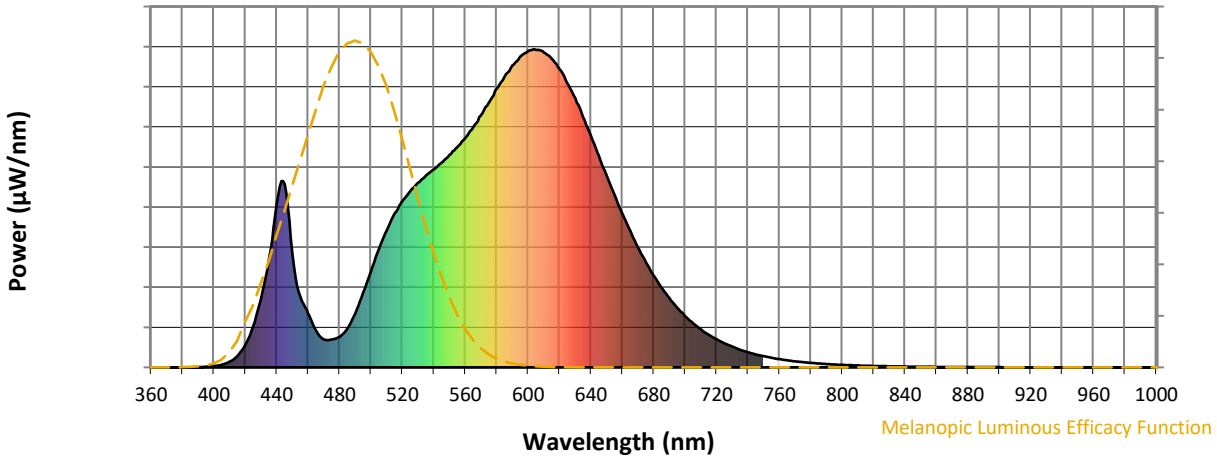


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

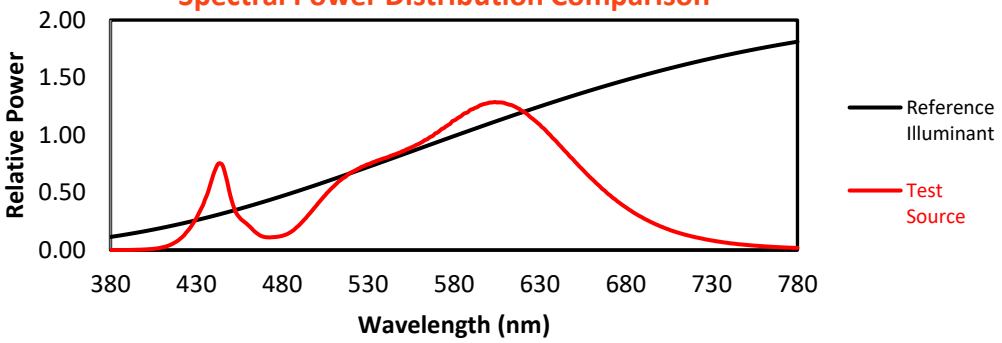
REPORT NUMBER: SP1-2407-184-9

TM-30-18

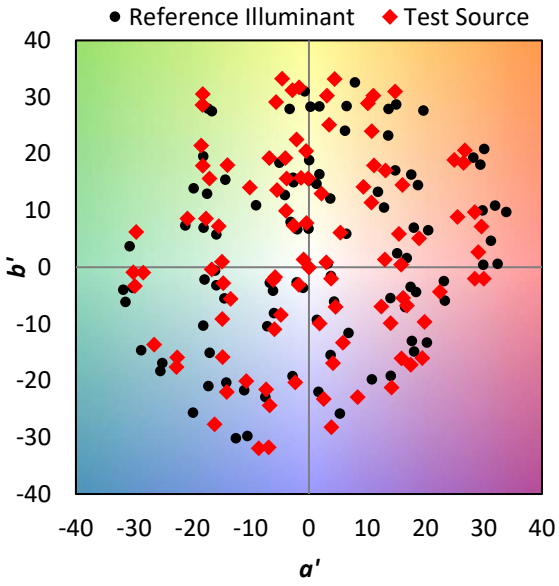
Summary

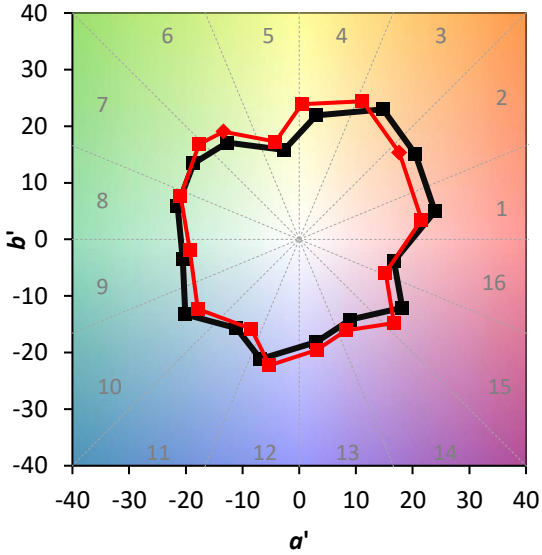
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

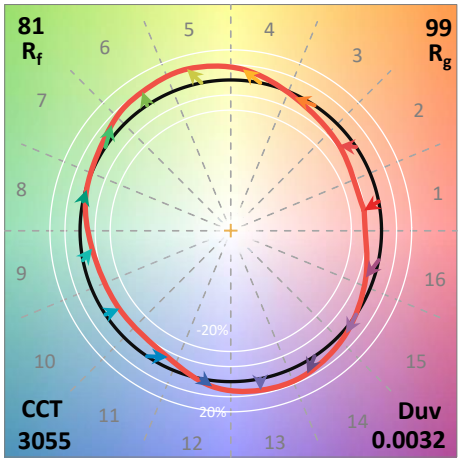
Spectral Power Distribution Comparison

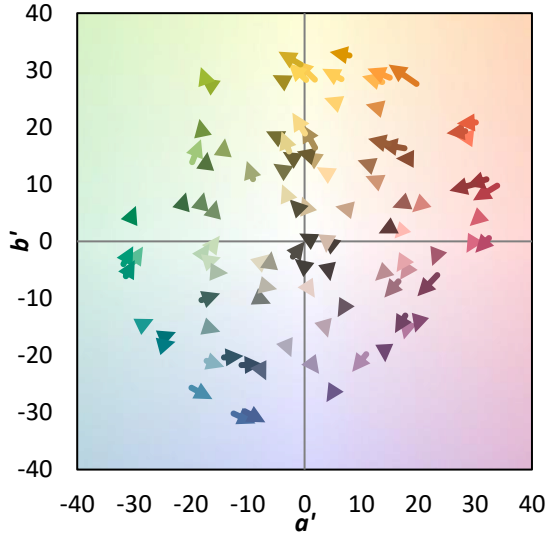


Color Vector Graphics







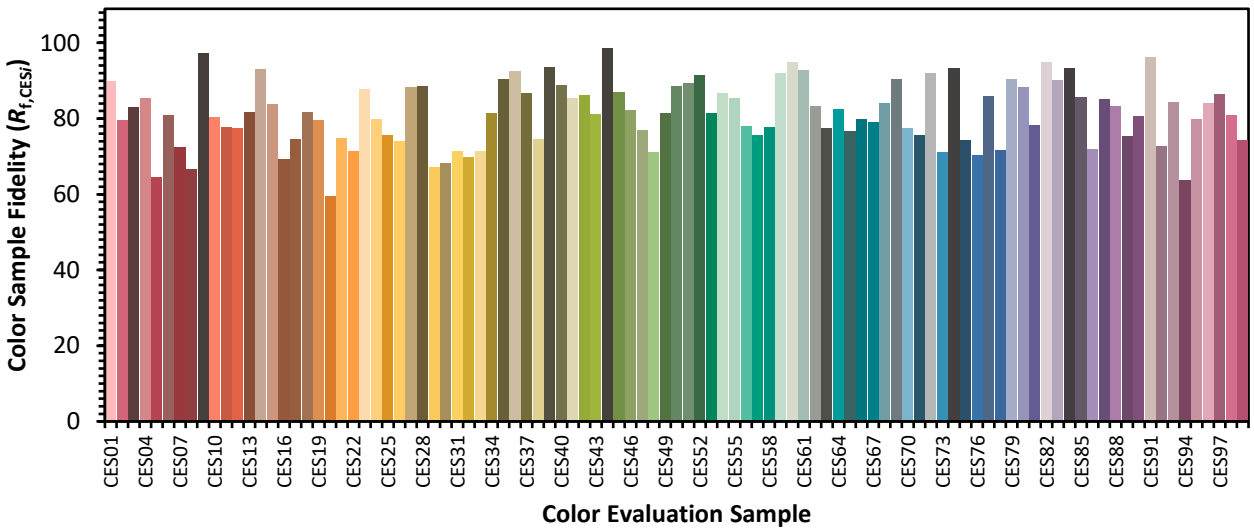


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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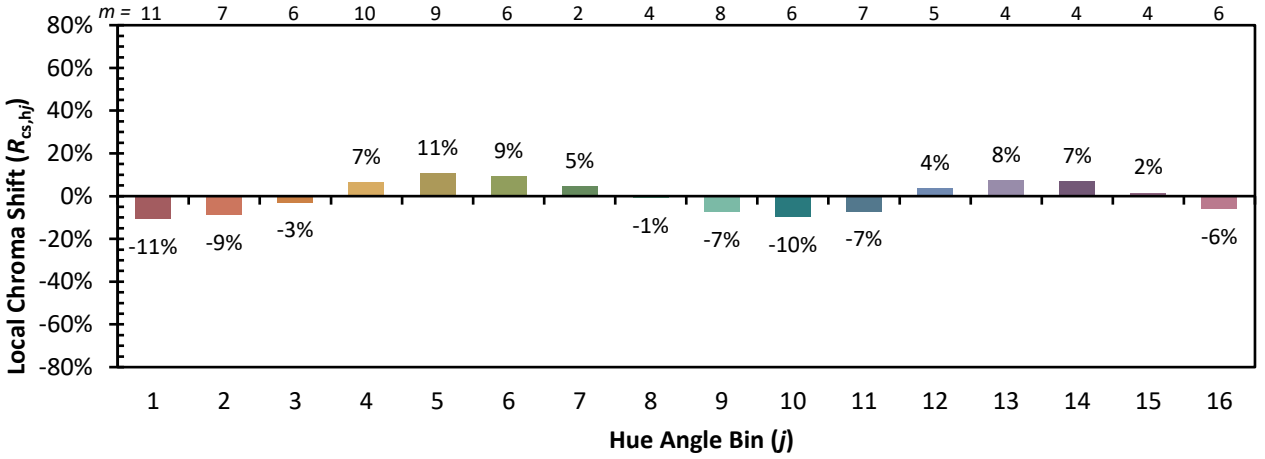
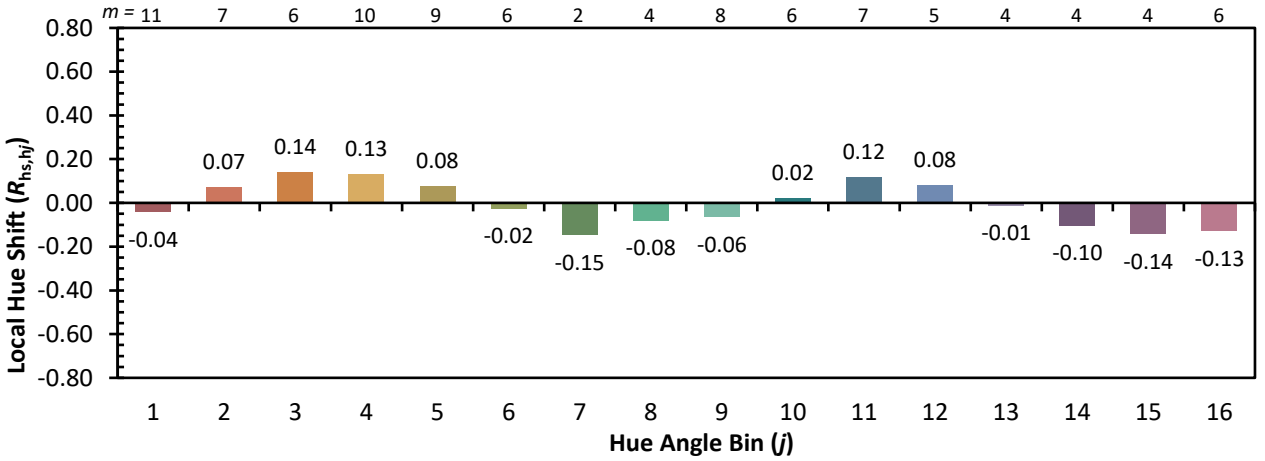
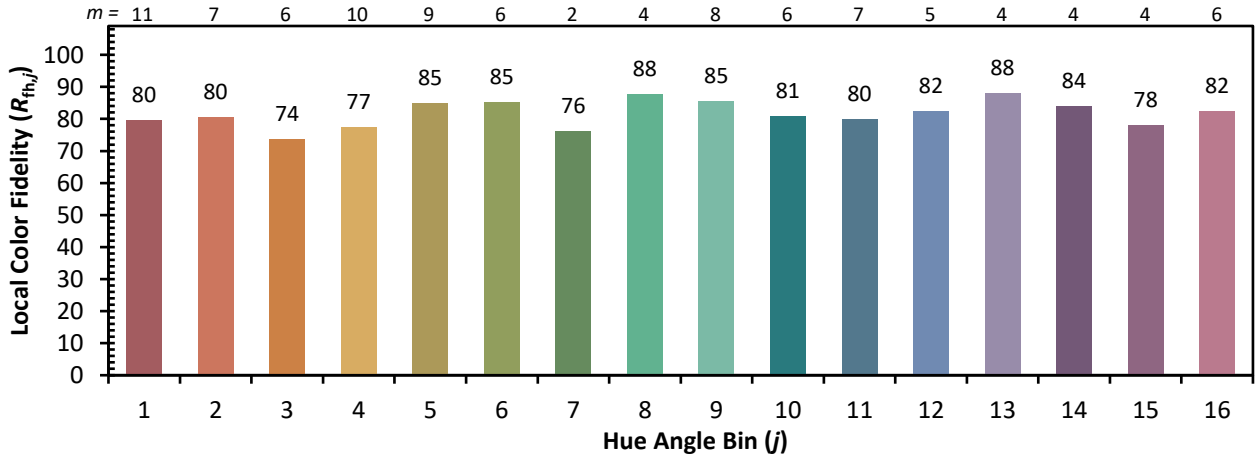
Color Rendition by Hue-Angle Bin







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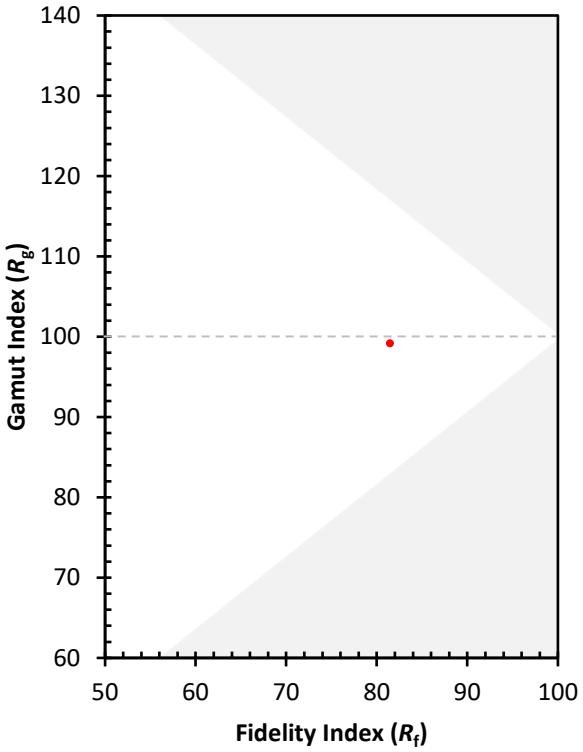
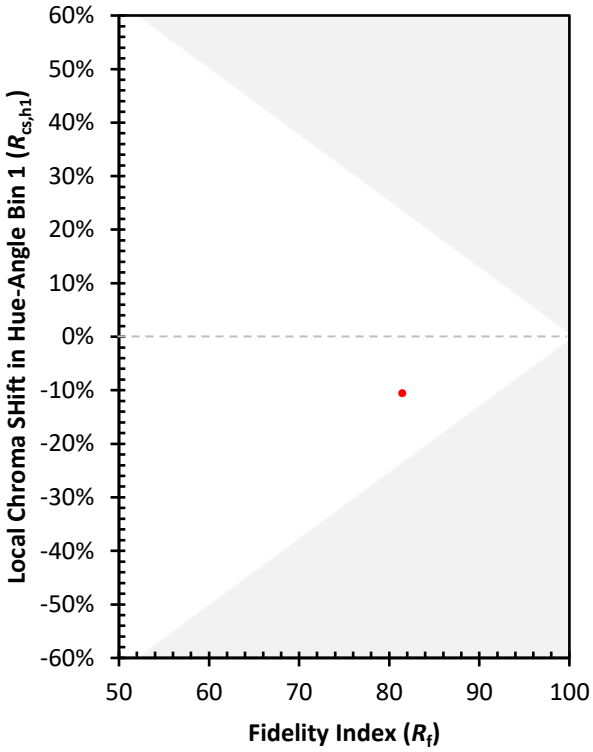
Measure Comparisons





(END OF REPORT)