

Signify Classified - Internal
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: LUMARK

Report Number: P1067406

Luminaire Tested: **NAV-SA5B-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067406
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5B-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22168.5 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

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

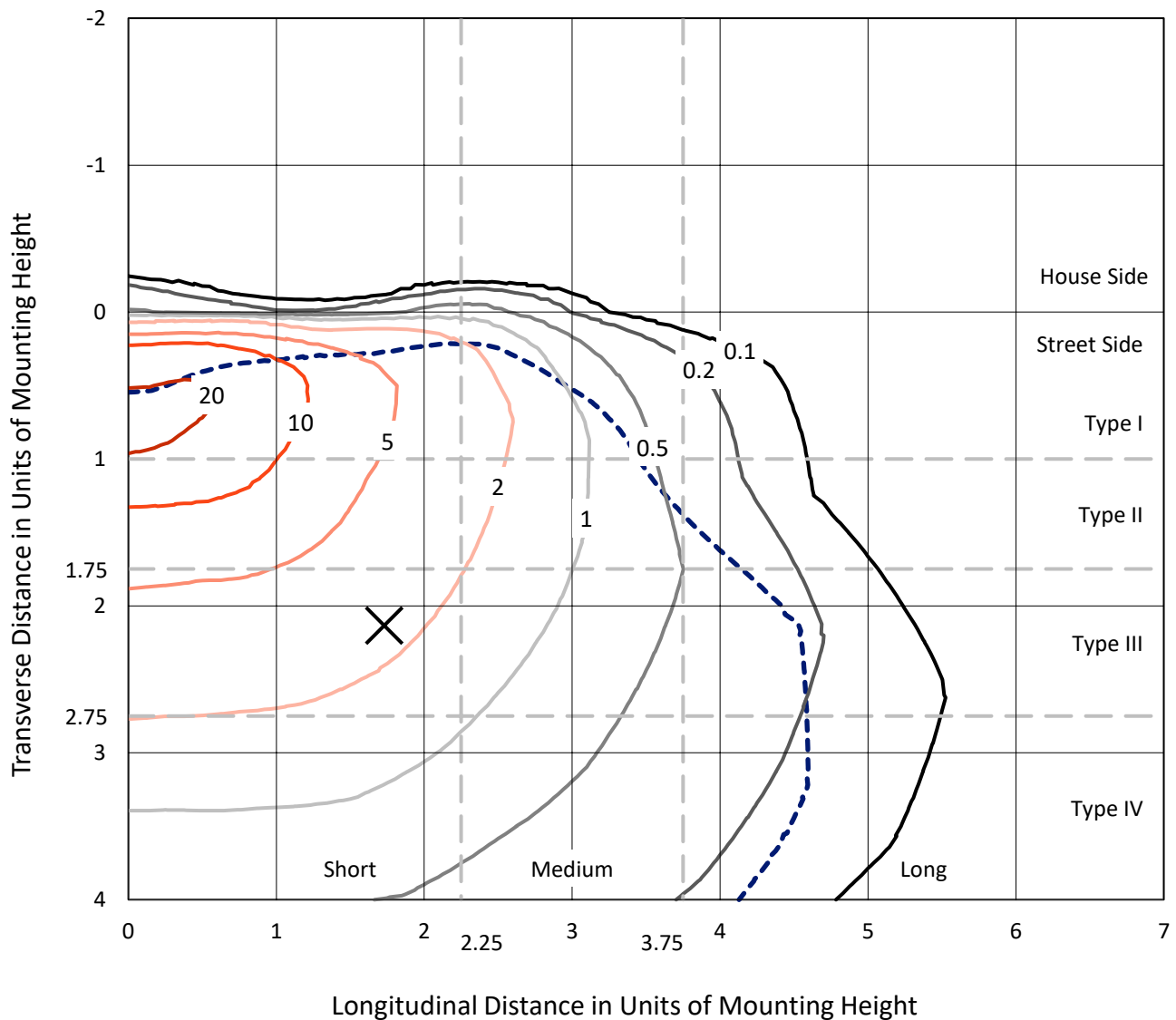


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

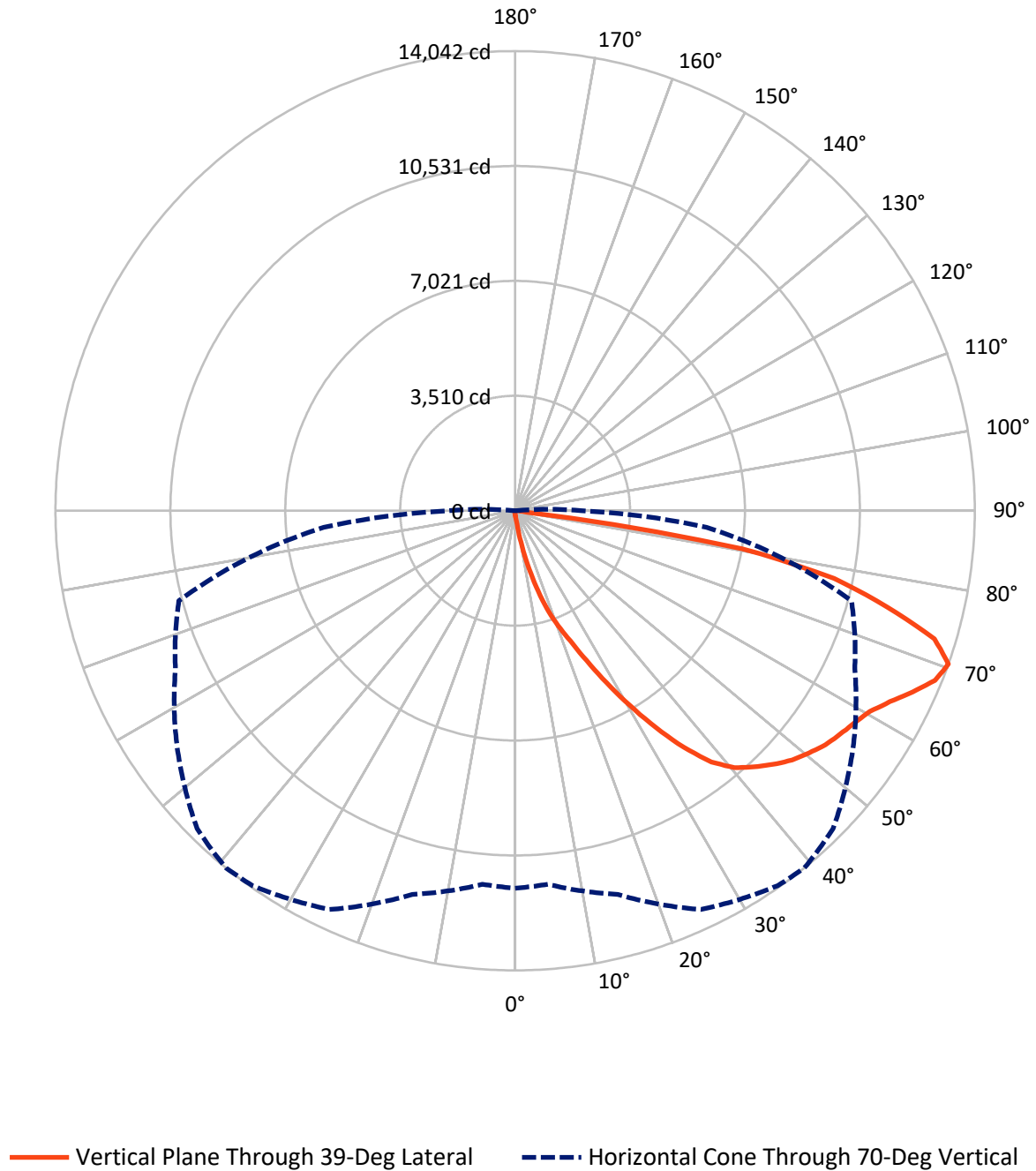


Based on 15 foot mounting height. Maximum calculated value = 24.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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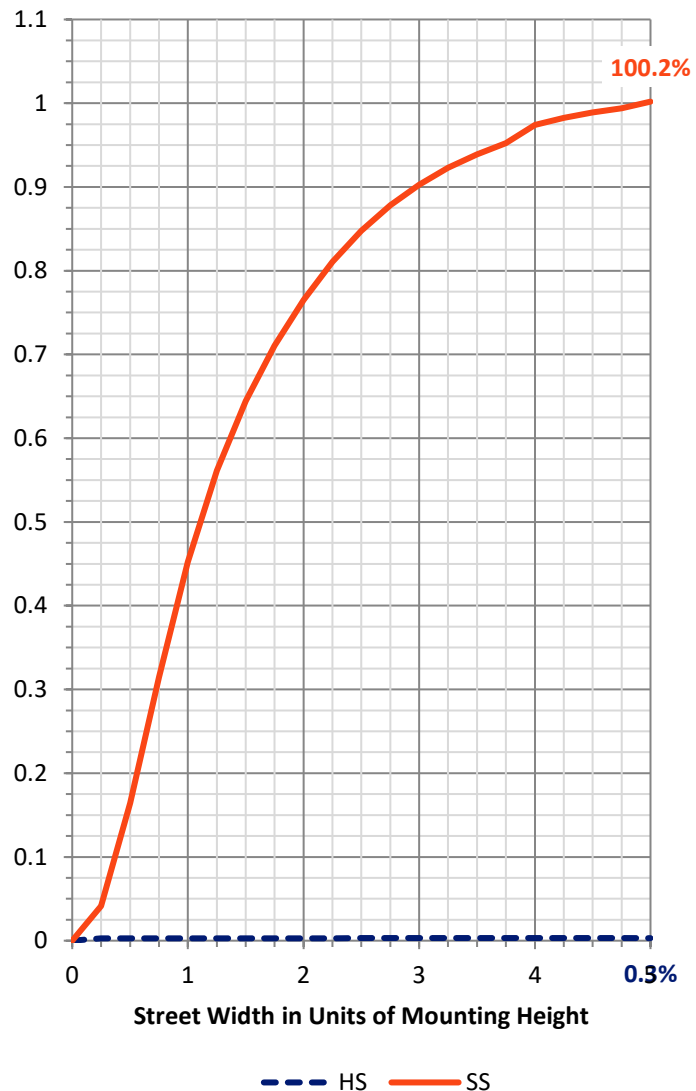
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	68.3	0.0	68.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	22100.2	0.0	22100.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	22168.5	0.0	22168.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.1
10°-20°	272.5	1.2
20°-30°	924.8	4.2
30°-40°	2173.5	9.8
40°-50°	3529.4	15.9
50°-60°	4472.4	20.2
60°-70°	5681.2	25.6
70°-80°	4616.0	20.8
80°-90°	475.3	2.1
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°	22168.5	100.0
0°-180°	22168.5	100.0



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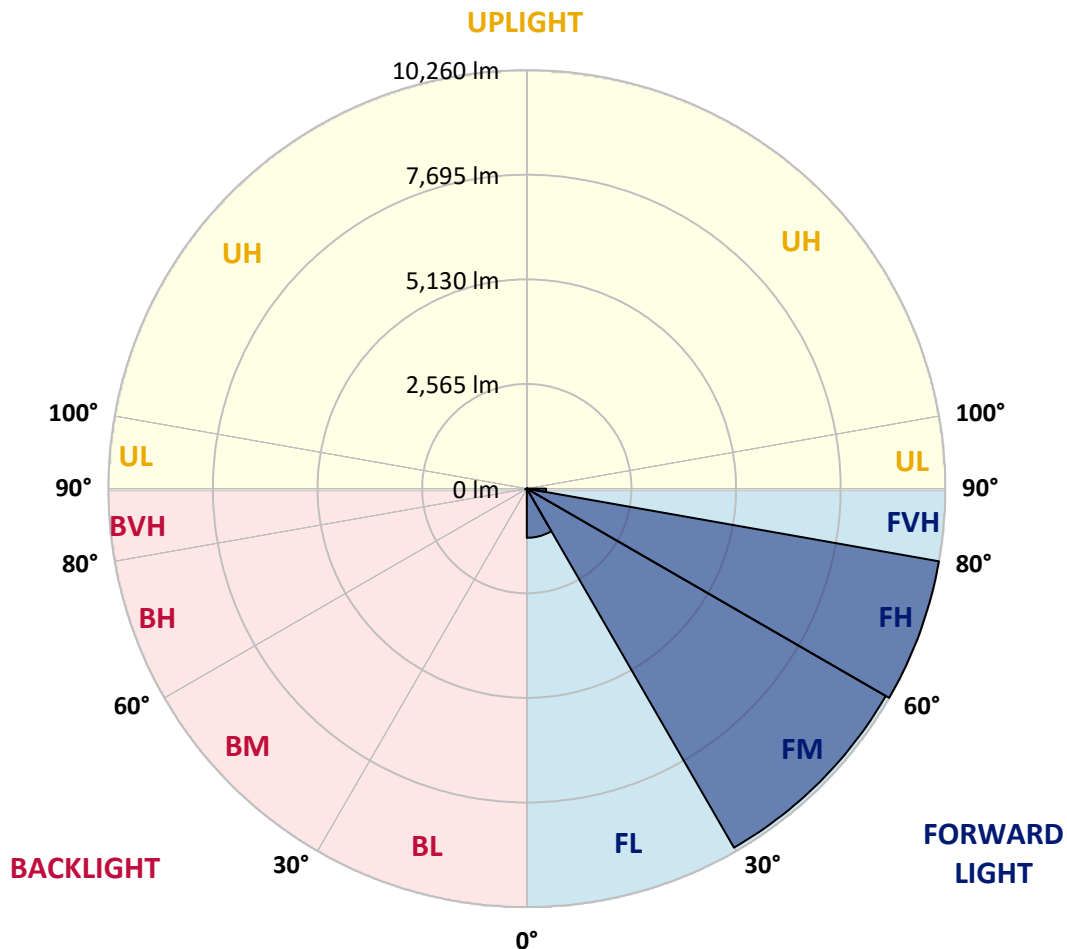
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1205.9	5.4			
FM	(30°-60°)	10162.2	45.8			
FH	(60°-80°)	10259.6	46.3			G4/12000
FVH	(80°-90°)	472.4	2.1			G3/500
BL	(0°-30°)	14.8	0.1	B0/110		
BM	(30°-60°)	13.1	0.1	B0/220		
BH	(60°-80°)	37.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	156.5	156.5	156.5	150.5	150.5	144.4	144.4	138.4	132.4	132.4	126.4
5°	294.9	300.9	282.9	246.8	222.7	210.7	198.6	168.5	150.5	138.4	126.4
7.5°	806.5	782.4	746.3	625.9	481.5	409.3	349.1	246.8	180.6	144.4	126.4
10°	1697.3	1631.1	1528.7	1366.2	1083.4	969.0	752.3	451.4	252.8	162.5	126.4
12.5°	2491.7	2503.8	2377.4	2220.9	1877.8	1685.2	1390.3	848.6	397.2	192.6	126.4
15°	3093.6	3081.6	3033.4	2907.0	2600.1	2413.5	2148.7	1426.4	668.1	240.7	132.4
17.5°	3569.1	3520.9	3502.9	3448.7	3250.1	3147.8	2858.9	2100.5	1059.3	325.0	138.4
20°	4044.5	4032.5	4014.5	3954.3	3821.9	3749.6	3526.9	2780.6	1576.9	463.4	150.5
22.5°	4736.7	4670.5	4682.5	4550.1	4441.8	4315.4	4134.8	3502.9	2172.7	662.1	168.5
25°	5549.2	5543.2	5446.9	5386.7	5206.2	5067.7	4827.0	4201.0	2834.8	957.0	186.6
27.5°	6506.2	6440.0	6397.8	6295.5	6109.0	5952.5	5621.4	4893.2	3551.0	1288.0	210.7
30°	7505.3	7505.3	7427.0	7270.6	7090.0	6897.4	6560.4	5621.4	4261.2	1709.3	240.7
32.5°	8672.9	8697.0	8504.4	8269.7	8034.9	7902.5	7463.2	6446.0	4941.3	2190.8	276.9
35°	9804.4	9774.3	9455.3	9196.5	9022.0	8877.5	8504.4	7348.8	5711.7	2750.5	325.0
37.5°	10887.8	10809.5	10279.9	9912.8	9834.5	9738.2	9365.1	8251.6	6476.1	3370.5	385.2
40°	11664.2	11543.8	10996.1	10490.5	10376.2	10322.0	10033.1	9070.1	7282.6	4062.6	463.4
42.5°	12001.2	11862.8	11483.6	11074.4	10821.6	10695.2	10442.4	9738.2	8089.1	4833.0	577.8
45°	12067.4	11959.1	11688.3	11592.0	11248.9	11056.3	10713.2	10213.7	8841.4	5597.4	734.3
47.5°	11826.7	11778.5	11616.0	11820.7	11646.1	11381.3	10966.0	10568.8	9509.5	6524.2	951.0
50°	11236.9	11200.8	11279.0	11814.7	11935.0	11634.1	11242.9	10845.6	10087.3	7481.2	1257.9
52.5°	10442.4	10436.4	10803.5	11658.2	12061.4	11874.8	11513.7	11122.5	10544.7	8408.1	1691.2
55°	9575.7	9678.0	10322.0	11513.7	12133.6	12049.4	11778.5	11369.3	10954.0	9268.8	2389.4
57.5°	9503.5	9461.4	10081.3	11453.5	12175.8	12223.9	12043.4	11628.1	11303.1	9972.9	3322.3
60°	10225.7	10129.4	10364.2	11579.9	12362.4	12446.6	12308.2	11826.7	11652.2	10526.7	4550.1
62.5°	11062.3	10972.0	11092.4	12067.4	12729.5	12849.9	12675.3	12031.3	11935.0	10911.9	5868.2
65°	11730.4	11658.2	11886.9	12795.7	13241.1	13343.4	13223.0	12410.5	12061.4	11224.8	6939.5
67.5°	11838.7	11748.4	12223.9	13283.2	13758.7	13830.9	13734.6	12777.6	12019.3	11248.9	7186.3
70°	11531.8	11453.5	12133.6	13439.7	13981.4	14041.6	13734.6	12603.1	11447.5	10635.0	5874.2
72.5°	10586.8	10647.0	11525.8	13060.5	13674.4	13397.6	12747.5	11724.4	10707.2	9016.0	4122.8
75°	9118.3	9184.5	10352.1	12019.3	12067.4	11730.4	11381.3	10785.5	9581.7	5940.4	2858.9
77.5°	6482.1	6247.4	7992.8	9924.8	9750.2	9966.9	9997.0	8973.8	8022.9	3093.6	1913.9
80°	638.0	541.7	1005.1	2846.8	6289.5	7029.8	7318.7	6915.5	5916.4	1384.3	1005.1
82.5°	138.4	138.4	150.5	162.5	252.8	379.2	1739.4	4261.2	3821.9	704.2	325.0
85°	78.2	78.2	96.3	114.4	150.5	168.5	198.6	264.8	1029.2	252.8	60.2
87.5°	60.2	66.2	78.2	96.3	126.4	138.4	168.5	210.7	258.8	234.7	18.1
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°	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	126.4	120.4	114.4	108.3	102.3	102.3	96.3	96.3	96.3	96.3	96.3
5°	120.4	114.4	108.3	96.3	90.3	84.3	78.2	78.2	78.2	78.2	78.2
7.5°	120.4	114.4	102.3	90.3	78.2	72.2	66.2	60.2	60.2	66.2	66.2
10°	120.4	108.3	90.3	78.2	66.2	60.2	54.2	48.1	48.1	48.1	48.1
12.5°	114.4	102.3	84.3	72.2	60.2	48.1	36.1	30.1	30.1	30.1	30.1
15°	108.3	96.3	78.2	60.2	42.1	30.1	24.1	18.1	18.1	18.1	18.1
17.5°	108.3	90.3	72.2	54.2	30.1	18.1	12.0	6.0	6.0	6.0	12.0
20°	108.3	90.3	66.2	42.1	18.1	12.0	12.0	6.0	0.0	6.0	6.0
22.5°	108.3	84.3	54.2	30.1	18.1	12.0	6.0	0.0	0.0	0.0	0.0
25°	114.4	84.3	48.1	24.1	12.0	6.0	0.0	0.0	0.0	0.0	0.0
27.5°	114.4	78.2	42.1	18.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	120.4	78.2	36.1	12.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	120.4	72.2	24.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	120.4	66.2	18.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	120.4	60.2	18.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	126.4	54.2	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	132.4	48.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	138.4	42.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	156.5	42.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	180.6	42.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	216.7	42.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	282.9	36.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	409.3	36.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	686.1	36.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1203.7	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2034.3	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2654.2	42.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2016.3	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	963.0	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	427.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	186.6	18.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	72.2	12.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.1	12.0	6.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0
85°	18.1	12.0	12.0	12.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0
87.5°	12.0	12.0	12.0	12.0	12.0	6.0	6.0	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

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

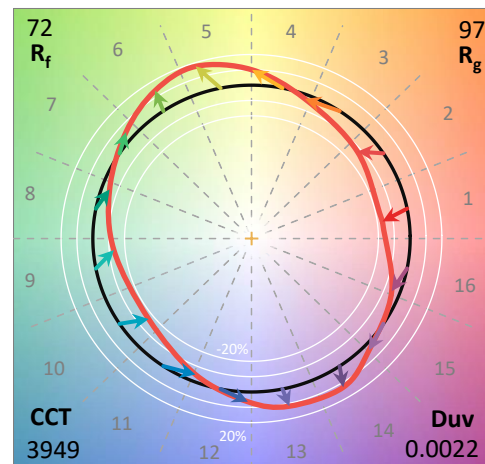
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

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

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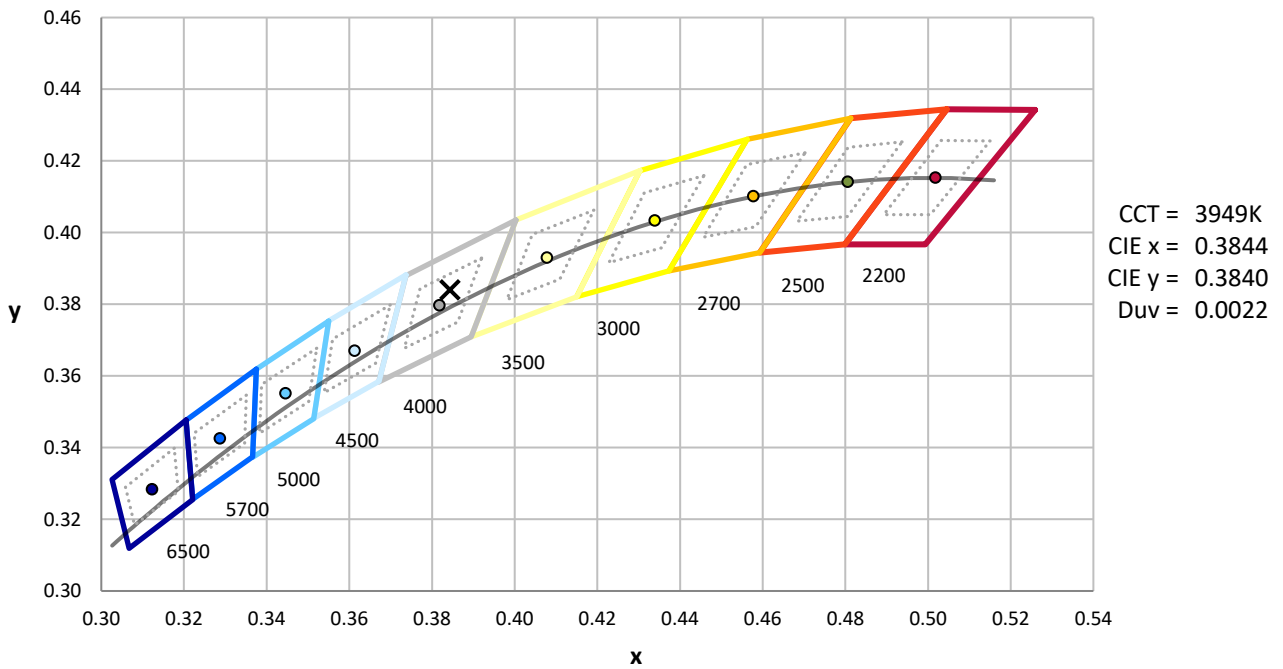
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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			

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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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

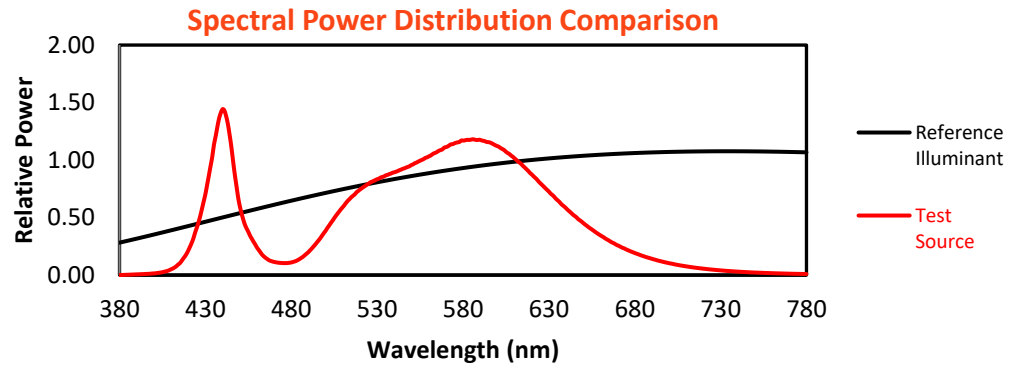
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	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			

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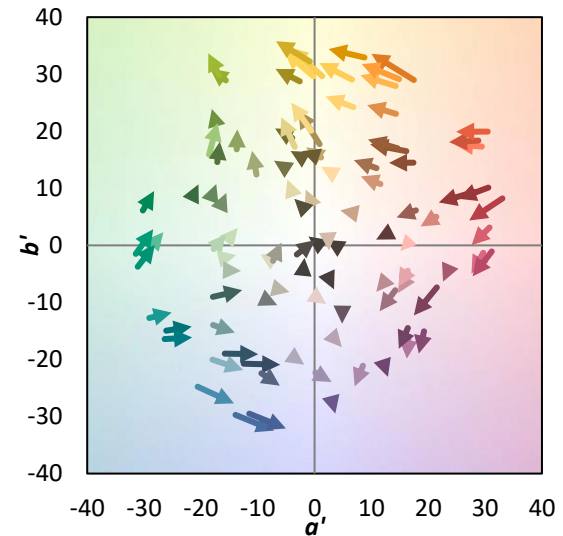
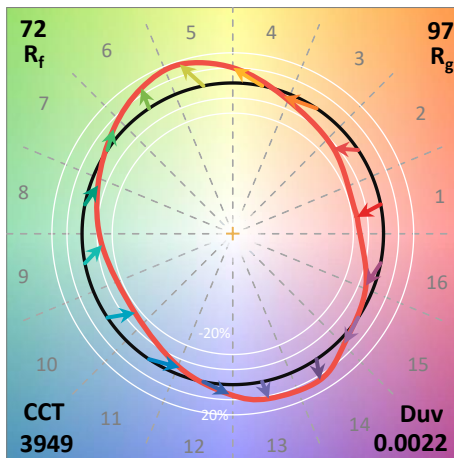
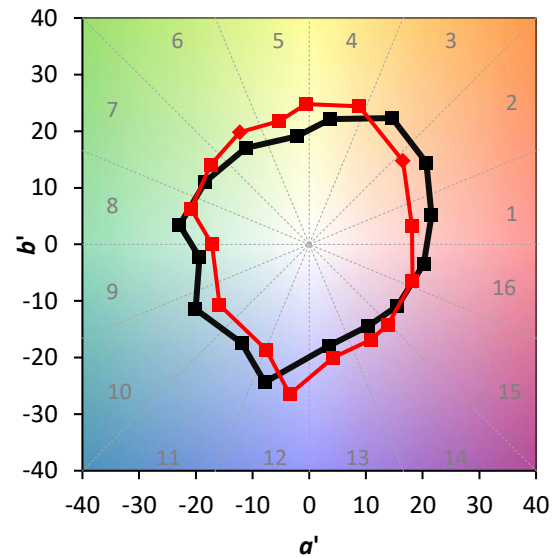
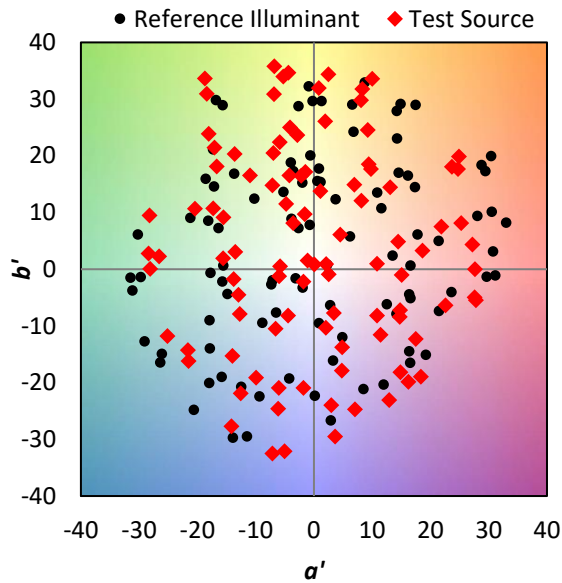
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

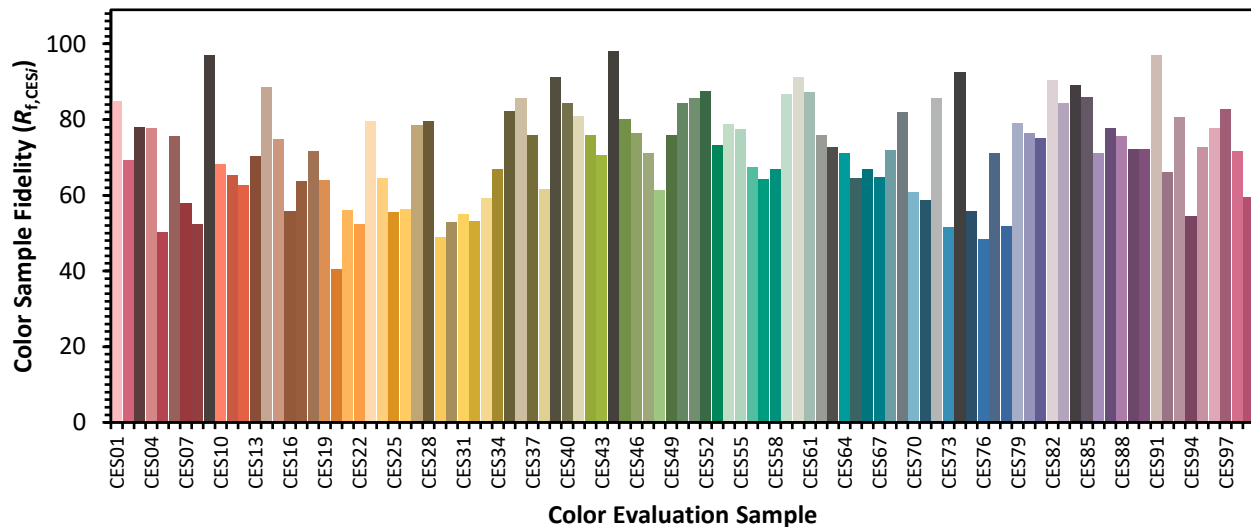


Color Vector Graphics



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

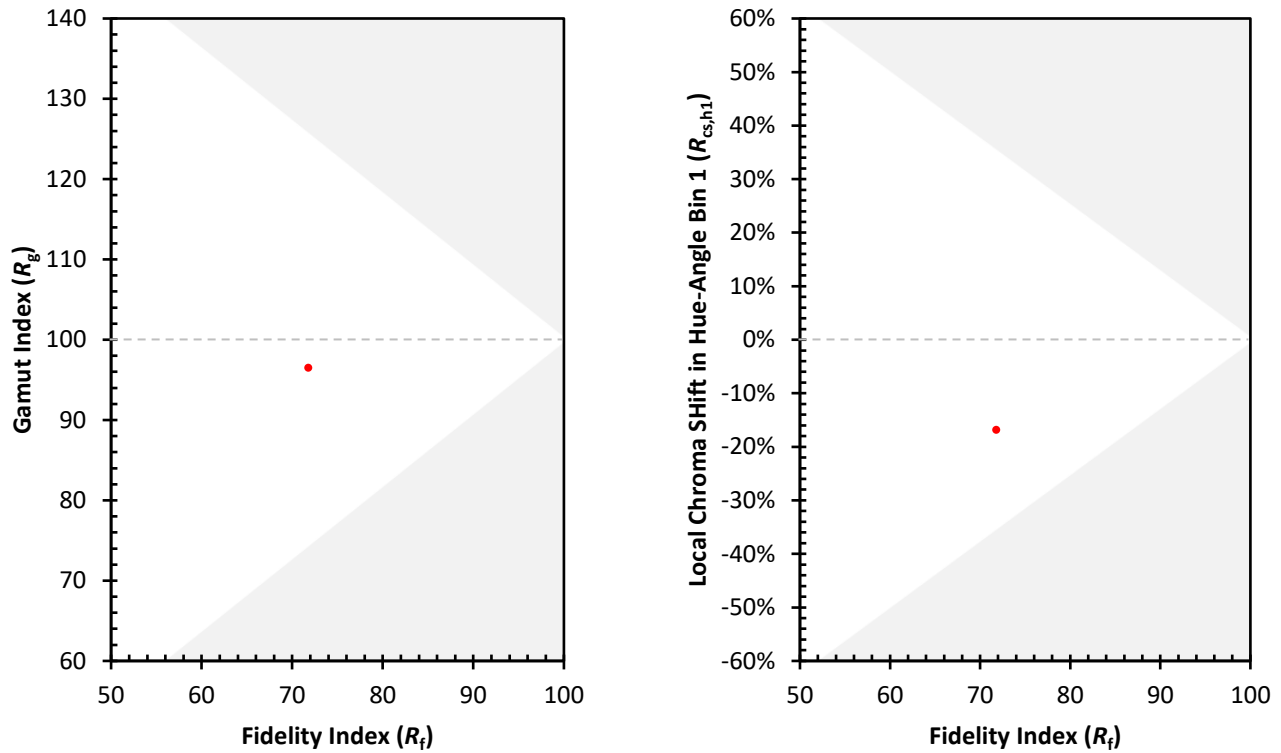
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)