

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: P1066980

Luminaire Tested: **NAV-SA6D-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066980
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6D-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 6xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (84) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31899.3 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

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



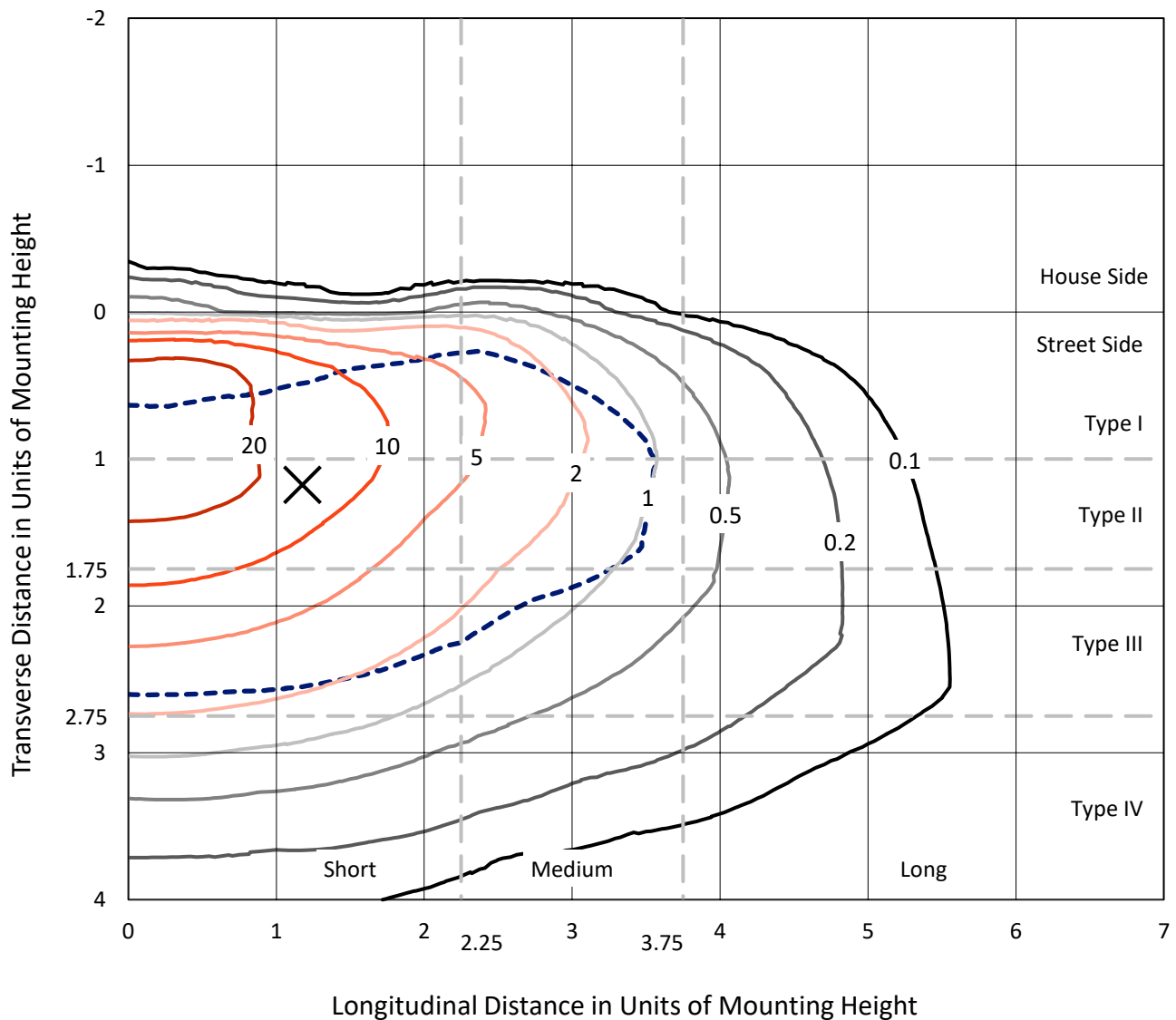
REPORT NUMBER: P1066980

CATALOG NUMBER: NAV-SA6D-727-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

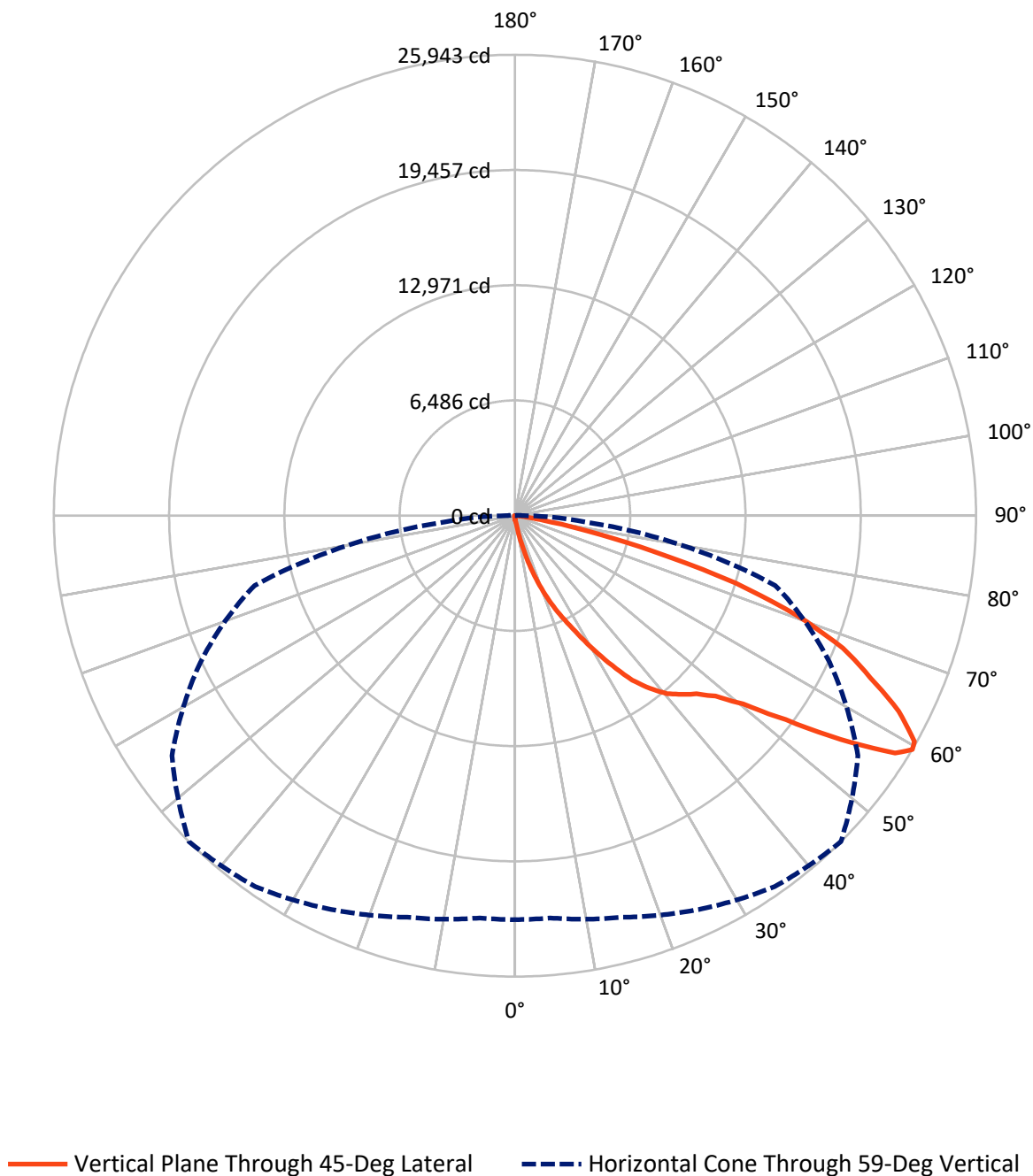


Based on 15 foot mounting height. Maximum calculated value = 34.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1066980

CATALOG NUMBER: NAV-SA6D-727-U-T3BC

Luminous Intensity Polar Plot



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CATALOG NUMBER: NAV-SA6D-727-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	113.2	0.0	113.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	31786.1	0.0	31786.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	31899.3	0.0	31899.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	0.1
10°-20°	352.6	1.1
20°-30°	1266.9	4.0
30°-40°	2943.8	9.2
40°-50°	5017.6	15.7
50°-60°	8267.7	25.9
60°-70°	9559.3	30.0
70°-80°	4107.0	12.9
80°-90°	354.9	1.1
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°	31899.3	100.0
0°-180°	31899.3	100.0



REPORT NUMBER: P1066980

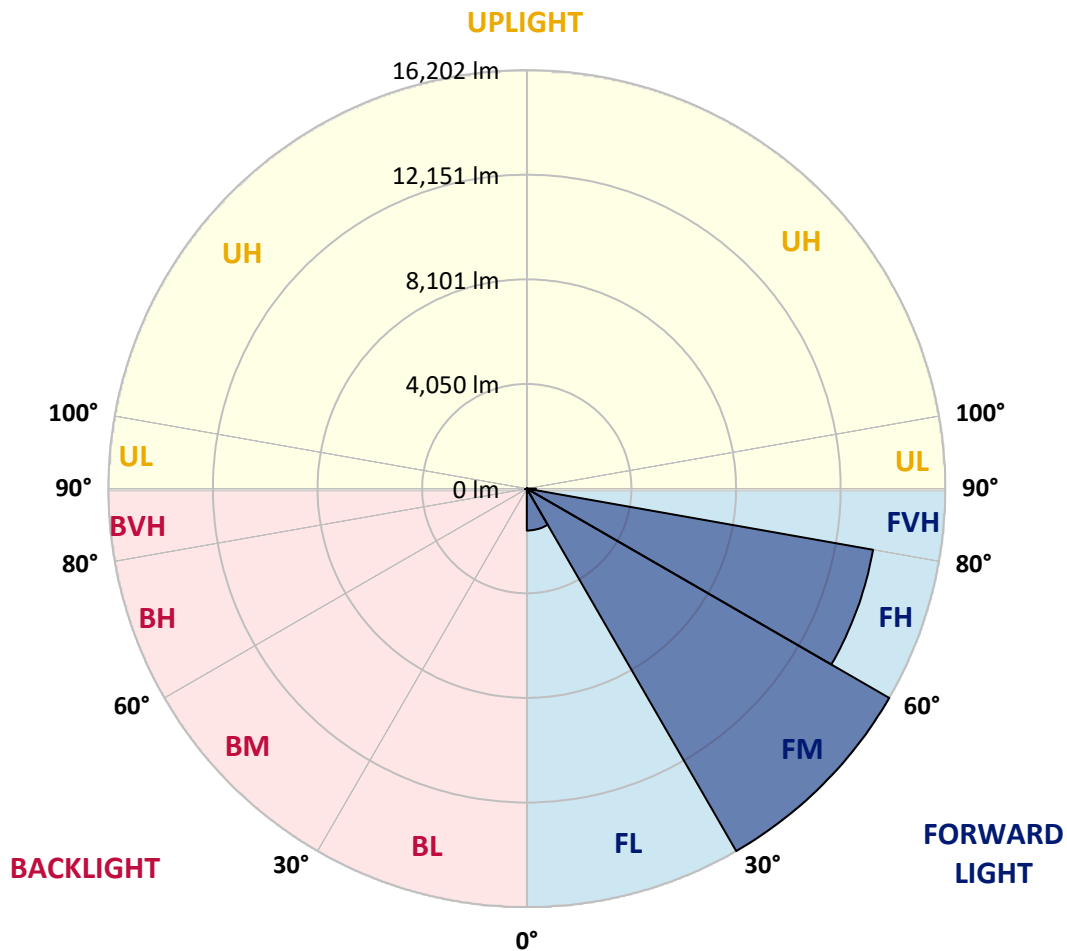
CATALOG NUMBER: NAV-SA6D-727-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1621.2	5.1			
FM	(30°-60°)	16201.7	50.8			
FH	(60°-80°)	13612.9	42.7			G5
FVH	(80°-90°)	350.3	1.1			G3/500
BL	(0°-30°)	27.9	0.1	B0/110		
BM	(30°-60°)	27.4	0.1	B0/220		
BH	(60°-80°)	53.3	0.2	B0/110		G0/110
BVH	(80°-90°)	4.6	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6
2.5°	261.7	261.7	255.2	246.7	244.5	238.1	238.1	231.7	223.1	216.6	208.1
5°	379.7	377.5	360.3	338.9	311.0	293.9	293.9	270.3	248.8	229.5	212.3
7.5°	830.1	810.8	748.6	645.6	510.5	420.4	414.0	336.8	285.3	246.7	214.5
10°	1904.7	1838.2	1750.3	1503.6	1111.1	776.5	761.4	491.2	341.0	266.0	218.8
12.5°	3120.9	3174.5	2998.6	2610.4	2151.4	1600.1	1492.9	827.9	450.4	291.7	223.1
15°	4227.6	4214.8	4116.1	3798.7	3268.9	2535.3	2468.8	1439.2	645.6	332.5	227.4
17.5°	5055.6	5040.6	4946.2	4742.4	4334.9	3601.3	3543.4	2295.1	1012.4	390.4	231.7
20°	5928.6	5909.3	5776.3	5613.3	5257.2	4633.0	4564.4	3251.7	1585.1	484.8	231.7
22.5°	6975.3	6938.8	6797.3	6520.6	6145.2	5602.5	5540.3	4229.8	2295.1	639.2	242.4
25°	8240.8	8178.6	7983.4	7734.6	7282.0	6561.3	6494.8	5319.4	3150.9	873.0	253.1
27.5°	9684.3	9695.0	9431.2	9010.8	8403.8	7668.1	7543.7	6295.3	4036.7	1207.6	266.0
30°	11398.1	11290.9	10919.8	10430.7	9840.9	8903.6	8783.4	7267.0	5032.0	1700.9	287.4
32.5°	13002.5	12886.7	12386.9	11771.3	11138.6	10149.8	10051.1	8358.8	5937.1	2284.3	326.0
35°	14379.5	14298.0	13598.8	12848.1	12286.1	11402.4	11372.4	9577.1	7001.0	2912.8	368.9
37.5°	15591.4	15443.4	14544.7	13766.1	13195.5	12404.1	12339.7	10692.4	8026.3	3642.1	433.3
40°	16625.3	16543.8	15447.7	14424.6	13961.3	13253.5	13172.0	11670.5	9085.9	4489.3	512.6
42.5°	17732.1	17624.8	16560.9	15413.4	14559.7	13802.6	13748.9	12477.0	10029.6	5420.2	630.6
45°	18982.5	18783.1	17850.0	16820.5	15522.8	14371.0	14310.9	13195.5	10997.0	6419.7	774.3
47.5°	20318.8	20145.1	19390.1	18667.2	17174.4	15308.3	15179.6	13806.9	11957.9	7573.7	956.6
50°	21678.7	21683.0	21116.7	20769.3	19192.7	16831.2	16648.9	14705.6	12968.2	8809.2	1226.9
52.5°	23261.7	23302.4	23293.8	23036.4	21813.8	19321.4	19076.9	16069.7	14141.5	10250.6	1600.1
55°	23924.4	23997.4	24471.4	25041.9	24709.5	22478.8	22217.1	18422.7	15696.5	11857.1	2153.5
57.5°	23381.8	23463.3	24117.5	25117.0	25880.6	25243.6	25213.5	21485.7	17744.9	13804.7	3058.7
59°	22736.2	22725.4	23396.8	24456.4	25485.9	25899.9	25942.8	23557.7	19529.5	15171.0	3839.4
60°	22307.2	22315.7	22761.9	23849.4	24943.3	25661.8	25829.1	24778.1	20571.9	16153.4	4508.6
62.5°	20651.3	20750.0	21103.9	22114.1	23152.3	23954.5	24239.7	25865.6	23555.5	18474.2	6835.9
65°	18851.7	18858.1	19362.2	20226.6	21221.8	21786.0	21966.1	24173.2	25548.1	20837.9	9888.1
67.5°	15640.8	15771.6	16344.3	17744.9	19059.8	19774.0	19911.3	21041.7	24722.3	22378.0	11417.4
70°	10945.5	11117.1	11934.3	13751.1	15709.4	16882.7	16874.1	17491.8	21758.1	21691.6	9680.0
72.5°	5465.3	5761.3	6428.3	8373.8	10746.0	12588.5	12976.8	14070.7	17479.0	18017.3	7221.9
75°	2415.2	2432.3	2812.0	3792.2	5340.9	7681.0	8028.4	11168.6	13410.0	12522.0	5216.4
77.5°	1404.9	1417.8	1486.4	1703.1	2164.2	3764.3	4154.7	7324.9	9476.3	7277.7	3401.8
80°	510.5	523.4	521.2	645.6	948.1	1482.1	1651.6	3549.8	6321.1	3833.0	1782.4
82.5°	313.2	313.2	302.4	304.6	345.3	568.4	622.0	1512.2	3078.0	1887.5	510.5
85°	154.4	163.0	173.7	195.2	231.7	281.0	298.1	433.3	1036.0	456.9	122.3
87.5°	92.2	94.4	103.0	124.4	154.4	201.6	214.5	293.9	371.1	306.7	30.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1066980

CATALOG NUMBER: NAV-SA6D-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6
2.5°	203.8	201.6	190.9	182.3	173.7	165.2	158.7	152.3	152.3	154.4	152.3
5°	203.8	195.2	178.0	163.0	150.1	139.4	128.7	120.1	118.0	118.0	120.1
7.5°	201.6	190.9	167.3	148.0	130.8	115.8	105.1	94.4	92.2	94.4	92.2
10°	199.5	186.6	158.7	135.1	111.5	96.5	81.5	70.8	70.8	70.8	72.9
12.5°	199.5	180.2	150.1	122.3	96.5	79.4	64.3	53.6	51.5	51.5	51.5
15°	197.3	175.9	141.6	107.2	81.5	60.1	47.2	36.5	36.5	36.5	36.5
17.5°	193.0	169.4	130.8	94.4	64.3	45.0	32.2	21.4	21.4	25.7	25.7
20°	188.8	163.0	118.0	77.2	53.6	34.3	21.4	12.9	12.9	19.3	21.4
22.5°	190.9	163.0	109.4	68.6	42.9	25.7	17.2	10.7	8.6	15.0	19.3
25°	193.0	158.7	98.7	60.1	32.2	19.3	12.9	4.3	2.1	4.3	6.4
27.5°	193.0	154.4	85.8	47.2	23.6	15.0	6.4	0.0	0.0	0.0	0.0
30°	190.9	148.0	75.1	38.6	17.2	8.6	2.1	0.0	0.0	0.0	0.0
32.5°	188.8	141.6	68.6	30.0	15.0	4.3	0.0	0.0	0.0	0.0	0.0
35°	190.9	133.0	60.1	23.6	8.6	0.0	0.0	0.0	0.0	0.0	4.3
37.5°	197.3	124.4	51.5	19.3	6.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	205.9	118.0	42.9	15.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	223.1	118.0	38.6	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	244.5	118.0	32.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	272.4	120.1	27.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	306.7	124.4	25.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	332.5	120.1	23.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	377.5	115.8	21.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	437.6	109.4	21.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	497.6	100.8	21.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	566.3	96.5	19.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	935.2	85.8	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1806.0	81.5	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2919.2	81.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3069.4	81.5	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2042.0	66.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1093.9	60.1	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	589.9	55.8	8.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	259.5	40.8	10.7	6.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	103.0	27.9	12.9	10.7	8.6	4.3	0.0	0.0	0.0	0.0	0.0
85°	49.3	21.4	17.2	15.0	10.7	6.4	0.0	0.0	0.0	0.0	0.0
87.5°	23.6	21.4	19.3	17.2	15.0	10.7	2.1	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

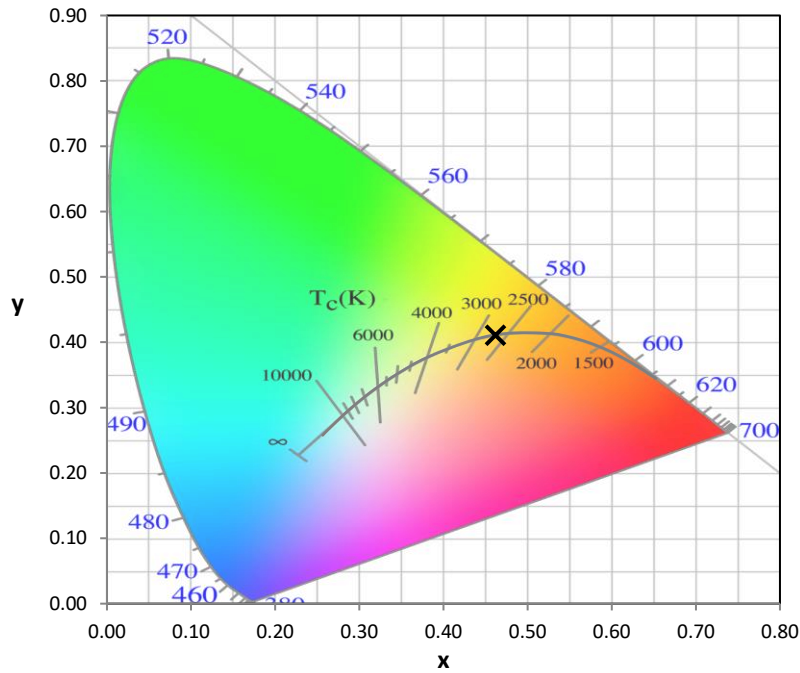
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

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: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

TM-30-18

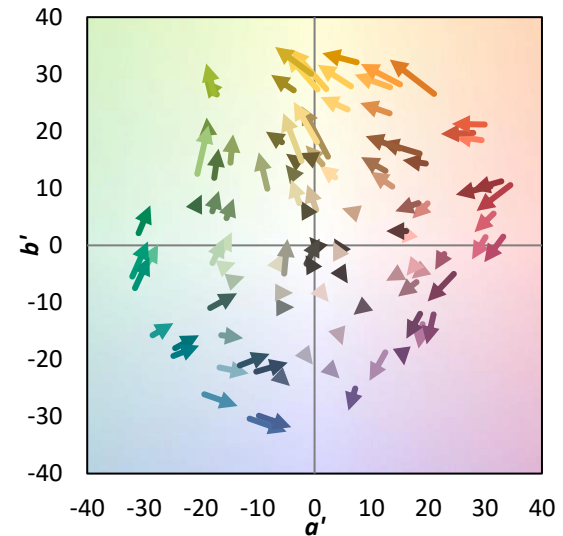
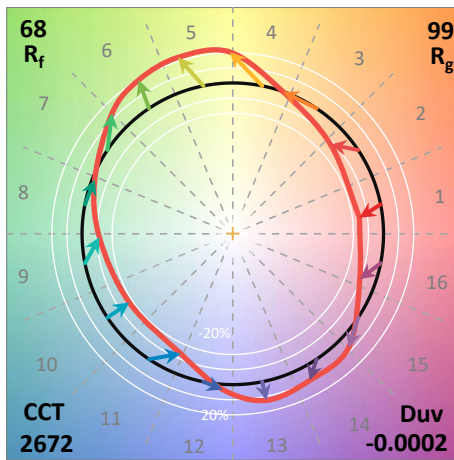
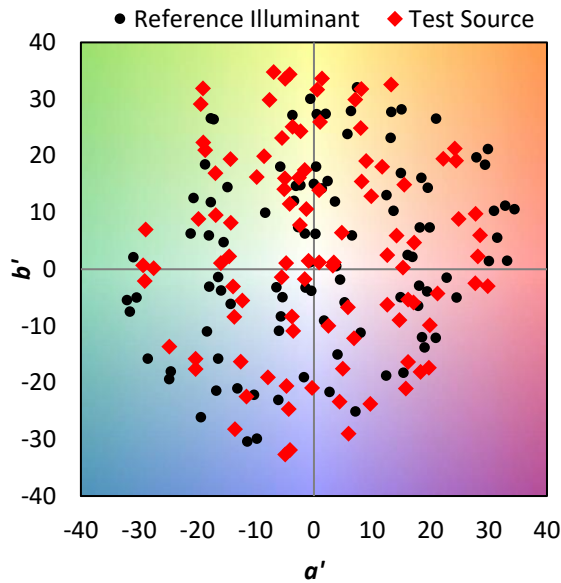
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

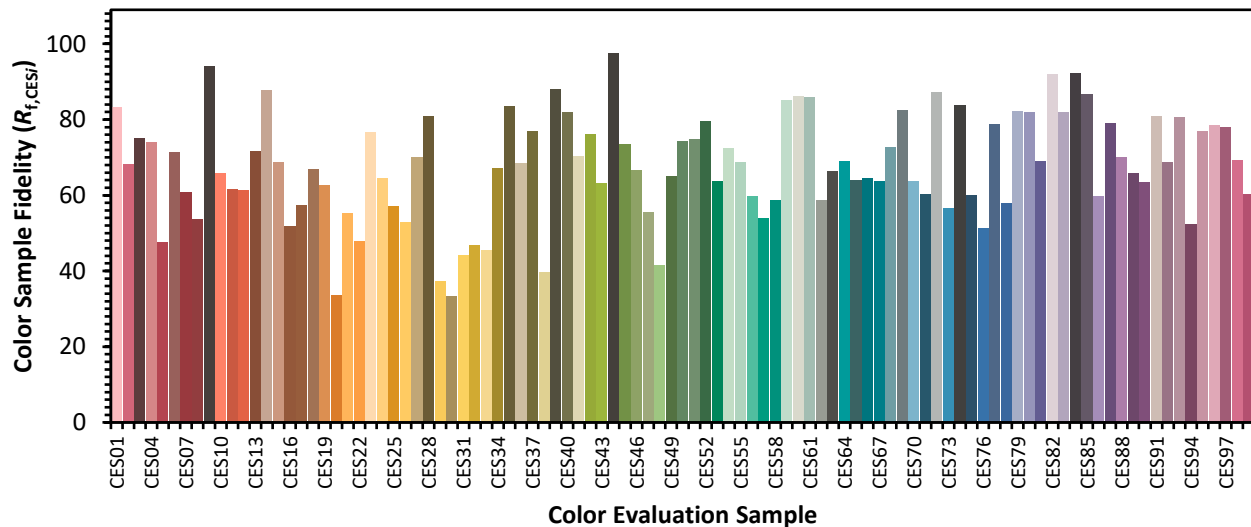


Color Vector Graphics

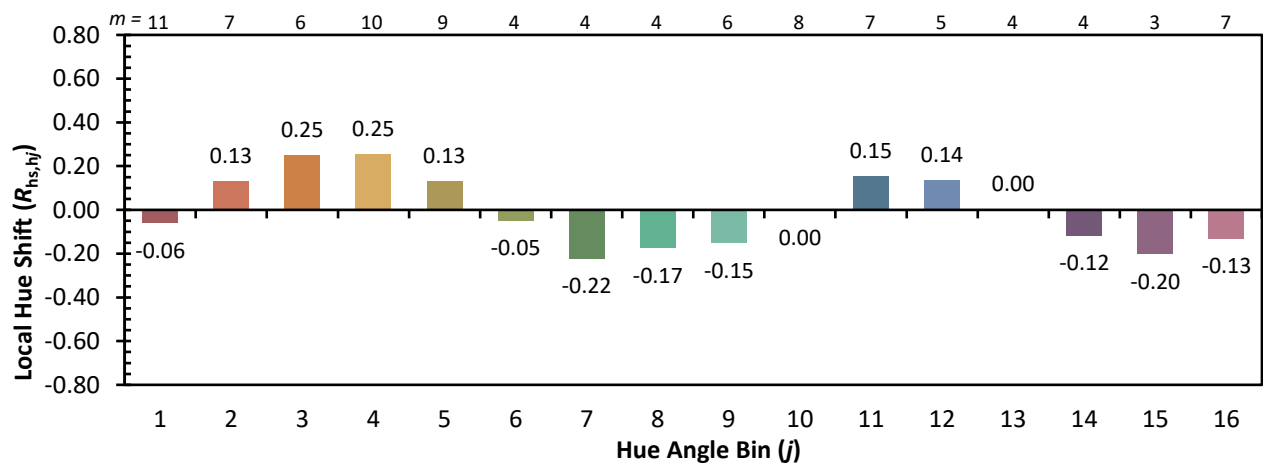


Individual Sample Fidelity Index ($R_{f,i}$)

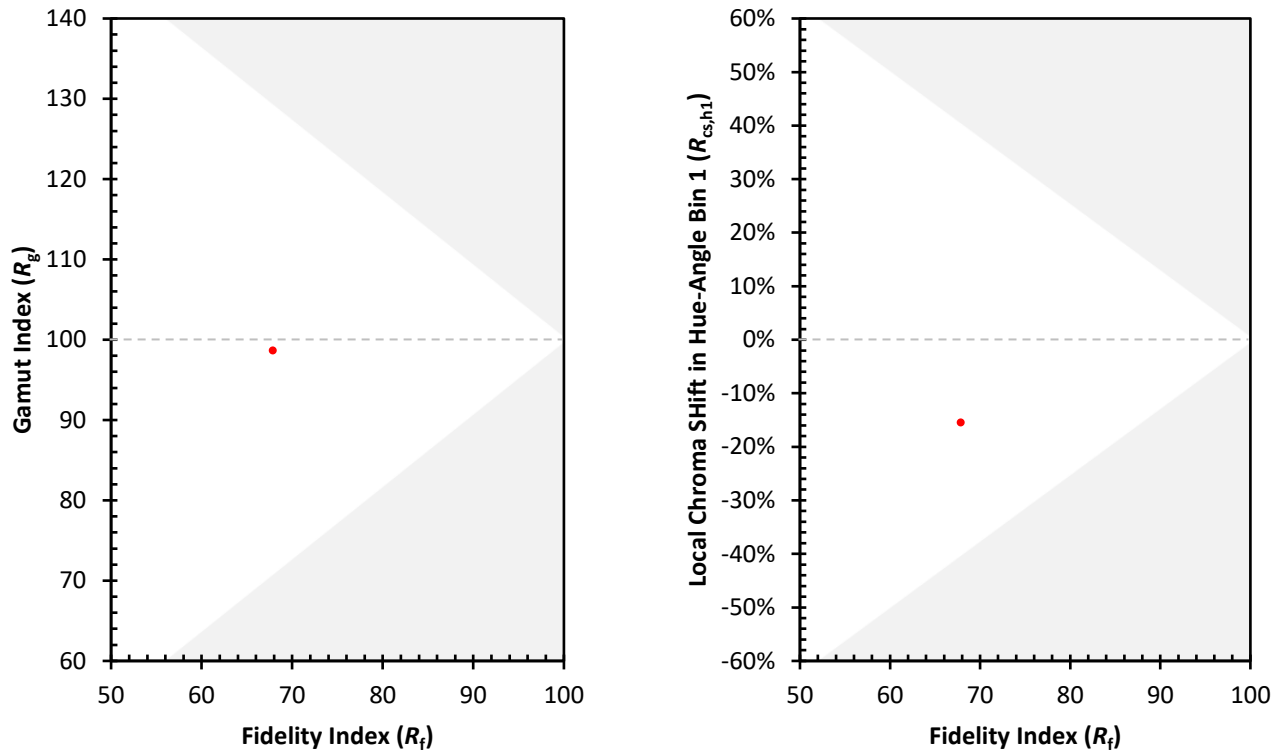
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)