

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: P1067157

Luminaire Tested: **NAV-SA3A-740-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067157
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3A-740-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10562.2 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 82
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

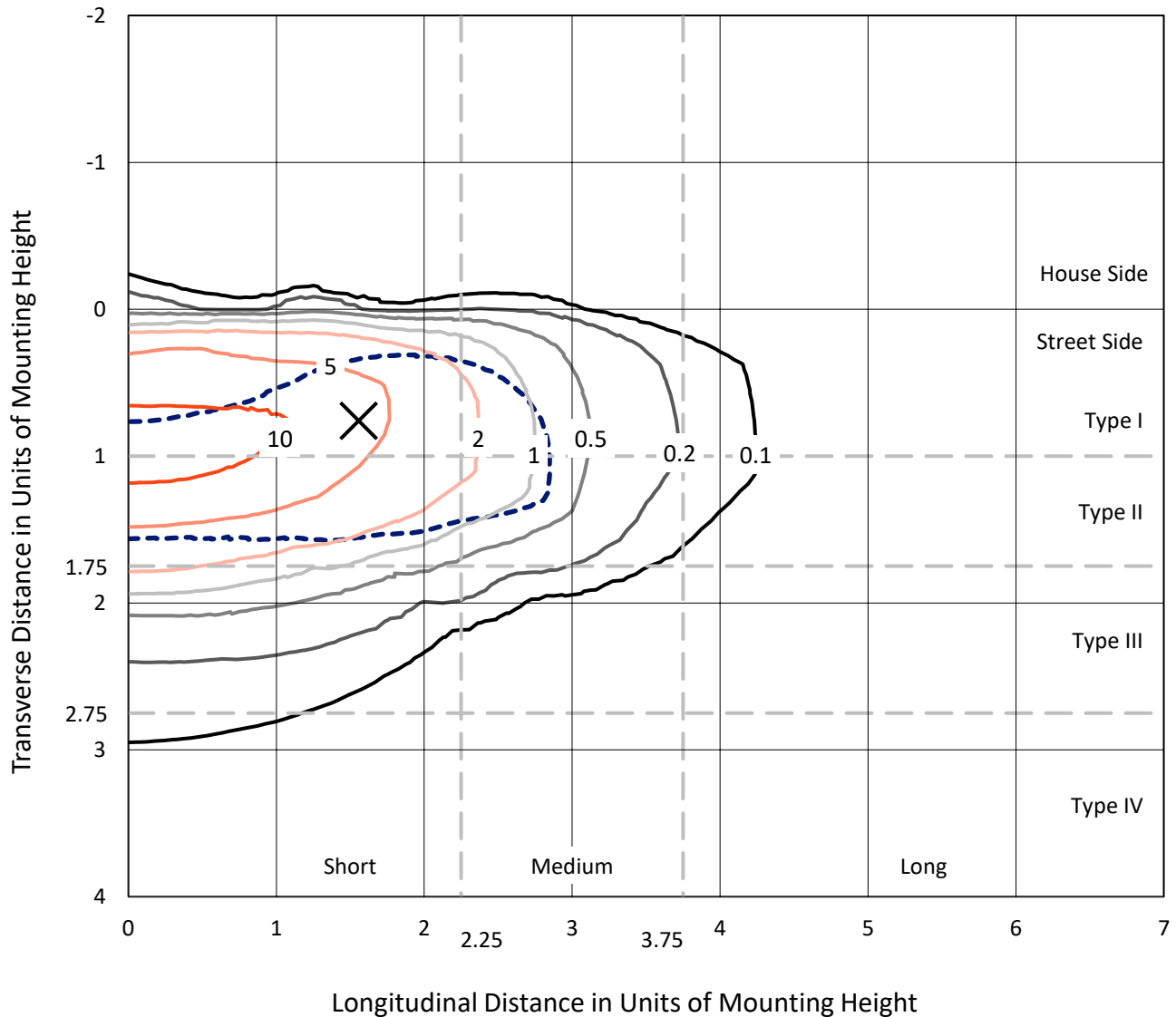


REPORT NUMBER: P1067157

CATALOG NUMBER: NAV-SA3A-740-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

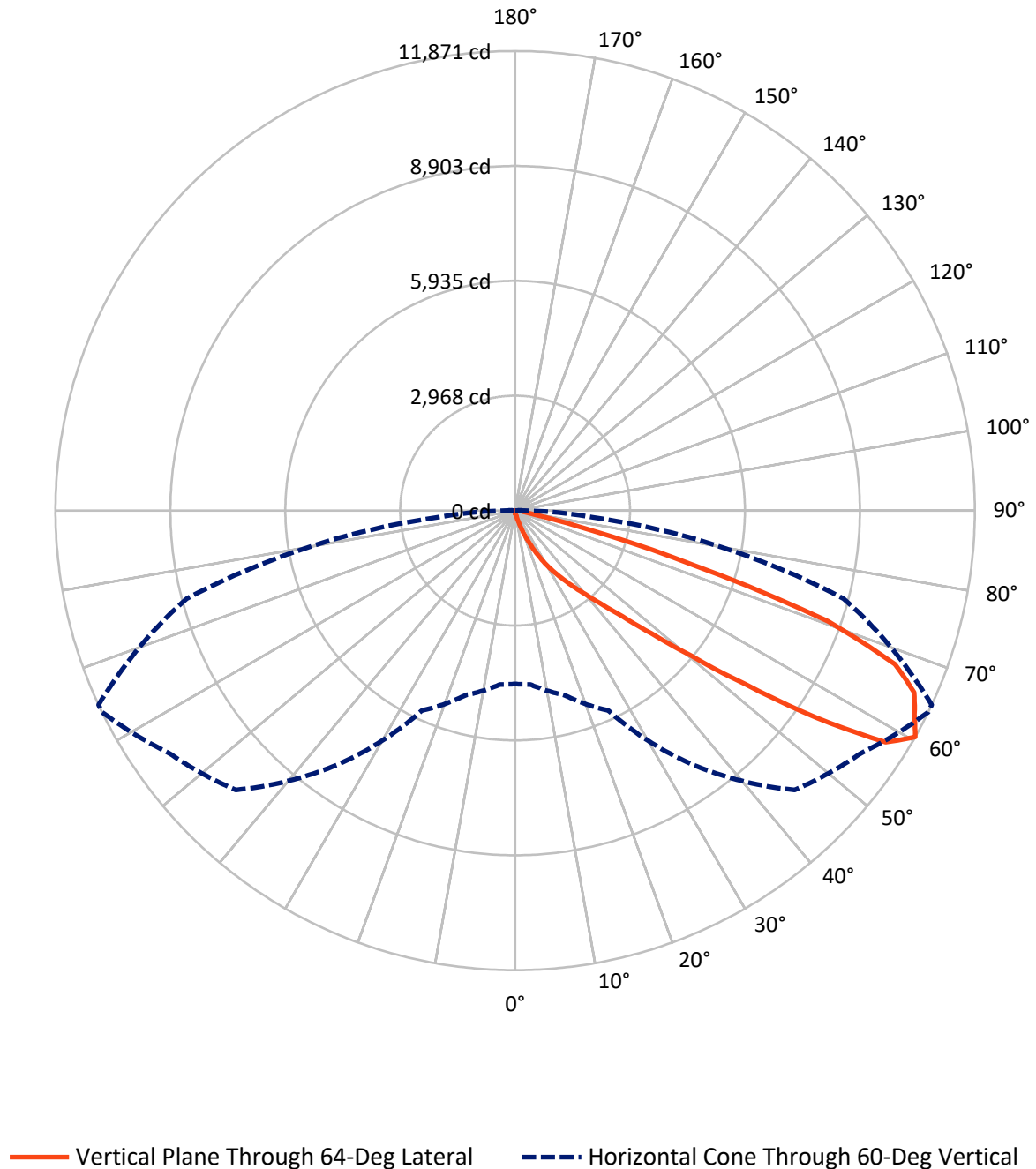


Based on 15 foot mounting height. Maximum calculated value = 15.1 fc
Type II - Short - N/A

REPORT NUMBER: P1067157

CATALOG NUMBER: NAV-SA3A-740-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067157

CATALOG NUMBER: NAV-SA3A-740-U-T2BC

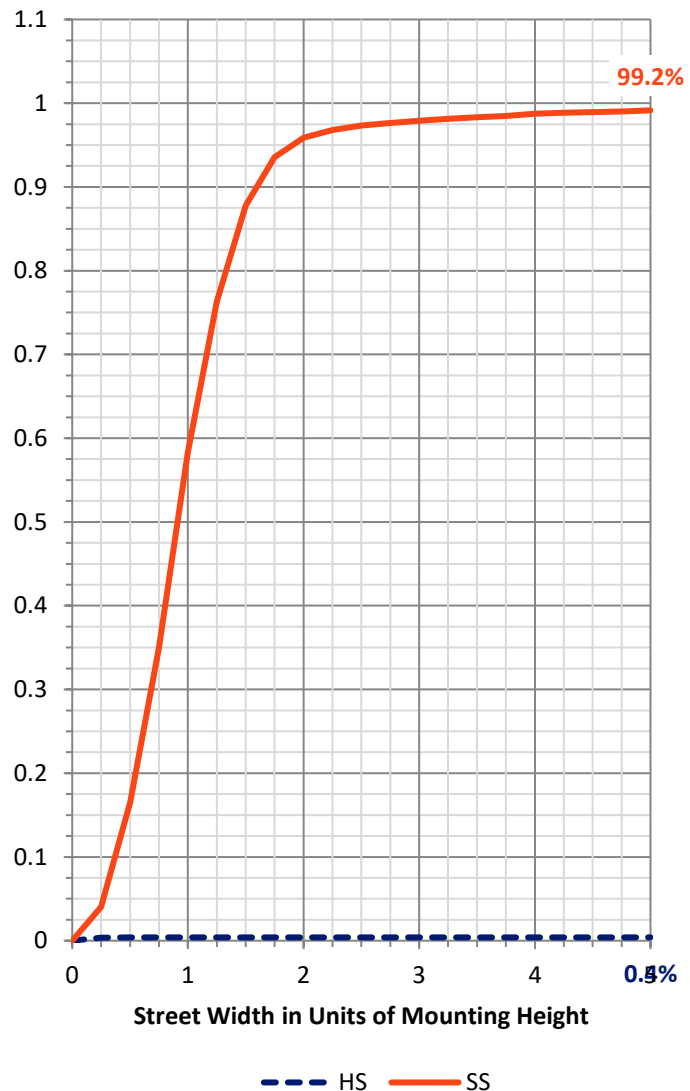
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	42.8	0.0	42.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10519.4	0.0	10519.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	10562.2	0.0	10562.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	103.8	1.0
20°-30°	344.7	3.3
30°-40°	919.8	8.7
40°-50°	2338.0	22.1
50°-60°	3408.3	32.3
60°-70°	2632.5	24.9
70°-80°	722.9	6.8
80°-90°	81.6	0.8
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°	10562.2	100.0
0°-180°	10562.2	100.0



REPORT NUMBER: P1067157

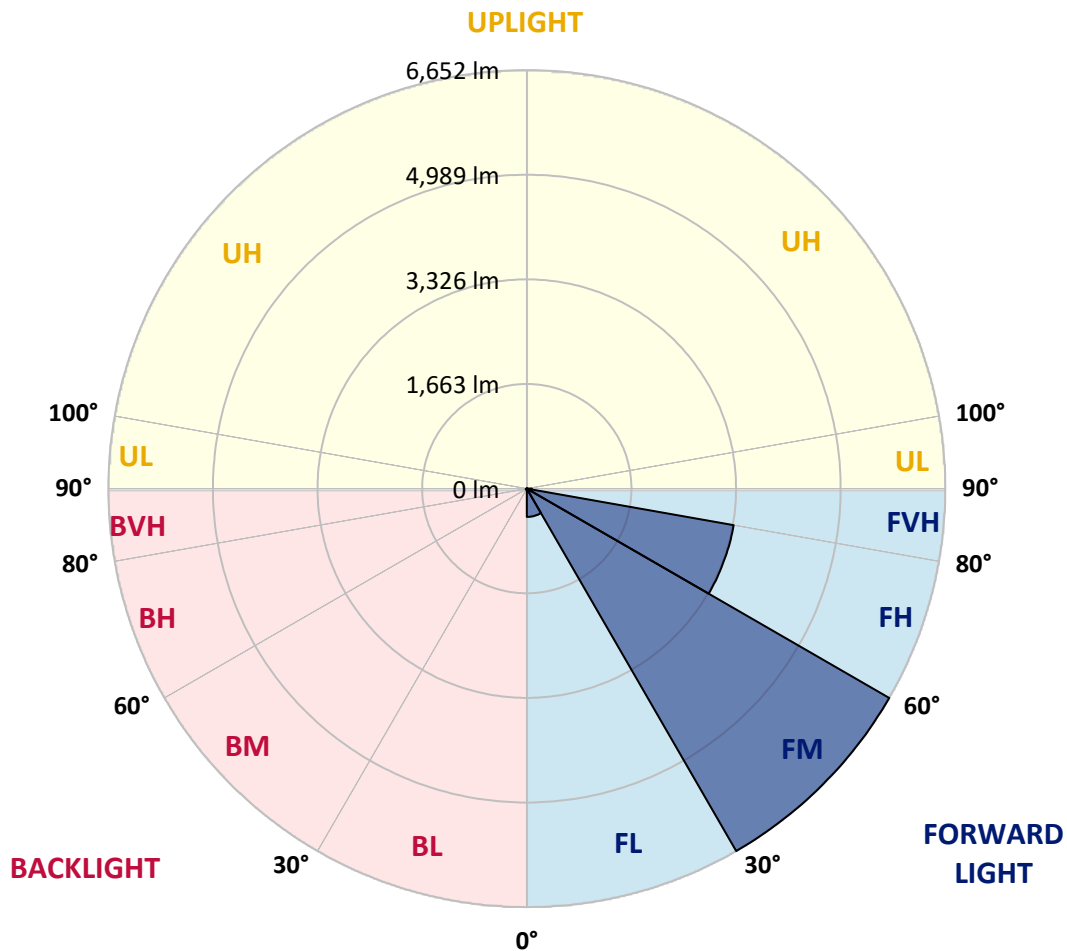
CATALOG NUMBER: NAV-SA3A-740-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.4	4.3			
FM	(30°-60°)	6651.9	63.0			
FH	(60°-80°)	3338.4	31.6			G2/5000
FVH	(80°-90°)	79.7	0.8			G1/100
BL	(0°-30°)	9.6	0.1	B0/110		
BM	(30°-60°)	14.2	0.1	B0/220		
BH	(60°-80°)	17.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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-G2

Type II Short



REPORT NUMBER: P1067157

CATALOG NUMBER: NAV-SA3A-740-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
2.5°	93.0	93.0	93.0	90.1	87.2	87.2	84.3	81.4	81.4	75.6	72.7
5°	142.5	142.5	136.6	130.8	122.1	110.5	98.9	90.1	90.1	81.4	75.6
7.5°	279.1	287.8	261.7	229.7	186.1	157.0	125.0	104.7	101.8	87.2	75.6
10°	604.7	598.9	558.2	479.7	378.0	273.3	174.4	127.9	122.1	93.0	75.6
12.5°	910.0	918.7	875.1	787.9	665.8	485.5	299.5	165.7	159.9	101.8	75.6
15°	1171.7	1171.7	1142.6	1099.0	965.3	776.3	482.6	247.1	226.8	110.5	72.7
17.5°	1351.9	1349.0	1337.4	1325.8	1247.3	1052.5	738.5	395.4	348.9	130.8	72.7
20°	1555.5	1546.7	1561.3	1538.0	1477.0	1322.9	1008.9	587.3	543.7	165.7	72.7
22.5°	1767.7	1776.4	1788.0	1764.8	1697.9	1564.2	1293.8	834.4	787.9	229.7	75.6
25°	2038.1	2032.3	2058.4	2038.1	1953.8	1796.8	1561.3	1104.8	1037.9	319.8	81.4
27.5°	2369.5	2357.9	2375.3	2323.0	2212.5	2052.6	1799.7	1381.0	1302.5	459.4	93.0
30°	2808.5	2817.3	2738.8	2677.7	2520.7	2308.5	2064.2	1677.6	1596.2	625.1	104.7
32.5°	3500.5	3439.4	3317.3	3070.2	2863.8	2593.4	2328.8	1936.3	1863.6	837.3	122.1
35°	4579.1	4590.8	4323.3	3712.7	3265.0	2951.0	2619.6	2221.2	2168.9	1078.6	145.4
37.5°	5893.3	5861.3	5625.8	4855.3	3852.3	3395.8	2951.0	2532.3	2456.7	1340.3	174.4
40°	7381.9	7248.1	7111.5	6588.1	5076.3	3954.0	3369.7	2892.9	2834.7	1642.7	221.0
42.5°	8573.9	8539.0	8562.3	8344.2	7117.3	4904.8	3925.0	3334.8	3265.0	2017.7	302.4
45°	9161.2	9111.8	9251.3	9414.1	9100.1	6928.3	4820.5	3898.8	3805.8	2459.7	427.4
47.5°	9004.2	8969.3	9268.8	9588.6	10007.2	9274.6	6282.9	4742.0	4582.0	3026.6	613.5
50°	8230.8	8233.7	8725.1	9321.1	9984.0	10463.7	8448.9	5896.2	5695.6	3779.6	904.2
52.5°	7477.8	7501.1	8021.5	8890.8	9638.0	10603.2	10350.3	7451.6	7126.0	4666.4	1247.3
55°	6704.4	6716.1	7175.4	8399.4	9475.2	10187.5	11327.2	9454.8	9108.8	5771.2	1581.6
57.5°	5960.1	5960.1	6131.7	7219.0	9297.8	10149.7	11210.9	11286.5	11004.5	7033.0	1828.7
60°	4477.4	4506.5	4933.8	5695.6	8018.6	10204.9	10914.3	11870.9	11870.9	8783.2	2017.7
62.5°	2261.9	2305.6	2837.6	3579.0	5500.8	9443.2	10960.9	11577.2	11623.7	10327.0	2448.0
65°	1061.2	1110.6	1395.5	1918.9	2959.7	6646.3	10478.2	11327.2	11312.6	10033.4	3355.1
67.5°	761.7	776.3	872.2	1119.3	1593.2	2913.2	7998.2	10580.0	10585.8	8524.5	3858.1
70°	683.2	683.2	706.5	779.2	959.4	1302.5	3887.2	8568.1	8983.8	6582.3	3576.1
72.5°	674.5	668.7	662.9	665.8	648.3	654.2	1334.5	4837.9	5431.0	4605.3	2852.1
75°	657.1	657.1	651.3	630.9	517.5	421.6	459.4	1956.7	2261.9	3076.0	2116.6
77.5°	520.4	572.8	633.8	596.0	473.9	316.9	267.5	566.9	715.2	1886.9	1535.1
80°	241.3	244.2	241.3	252.9	302.4	226.8	197.7	276.2	279.1	1046.7	950.7
82.5°	174.4	177.4	168.6	151.2	133.7	122.1	162.8	203.5	218.1	479.7	354.7
85°	52.3	49.4	58.1	78.5	93.0	107.6	136.6	171.5	180.3	177.4	52.3
87.5°	23.3	23.3	29.1	40.7	55.2	81.4	119.2	157.0	159.9	183.2	14.5
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: P1067157

CATALOG NUMBER: NAV-SA3A-740-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
2.5°	72.7	69.8	66.9	64.0	61.1	58.1	55.2	55.2	58.1	58.1	58.1
5°	69.8	66.9	61.1	55.2	52.3	49.4	46.5	46.5	49.4	49.4	49.4
7.5°	69.8	64.0	58.1	52.3	46.5	43.6	40.7	40.7	40.7	43.6	43.6
10°	69.8	64.0	55.2	46.5	40.7	37.8	34.9	32.0	34.9	34.9	34.9
12.5°	66.9	61.1	52.3	43.6	34.9	29.1	26.2	26.2	26.2	26.2	26.2
15°	64.0	58.1	49.4	37.8	29.1	23.3	17.4	17.4	17.4	20.4	20.4
17.5°	61.1	55.2	43.6	29.1	20.4	14.5	11.6	11.6	11.6	14.5	14.5
20°	61.1	52.3	37.8	23.3	14.5	8.7	5.8	5.8	5.8	8.7	11.6
22.5°	61.1	52.3	34.9	17.4	8.7	5.8	2.9	2.9	2.9	2.9	2.9
25°	61.1	49.4	32.0	14.5	5.8	2.9	0.0	0.0	2.9	5.8	8.7
27.5°	61.1	46.5	26.2	8.7	5.8	2.9	0.0	2.9	5.8	5.8	5.8
30°	61.1	46.5	23.3	8.7	2.9	0.0	0.0	2.9	5.8	5.8	8.7
32.5°	64.0	43.6	20.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	66.9	40.7	17.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	72.7	40.7	11.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	81.4	43.6	11.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	101.8	46.5	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	142.5	58.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	209.3	87.2	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	305.3	119.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	375.1	119.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	372.1	75.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	284.9	52.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	241.3	37.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	290.7	29.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	517.5	26.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	831.5	26.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	930.4	26.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	726.8	23.3	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	398.3	20.4	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	200.6	14.5	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	84.3	11.6	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	29.1	11.6	5.8	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0
85°	14.5	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0	0.0	0.0
87.5°	8.7	8.7	8.7	5.8	5.8	2.9	2.9	0.0	0.0	0.0	2.9
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

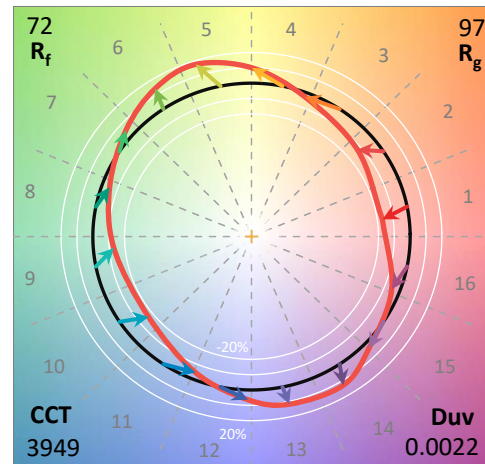
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

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



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 ^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			

REPORT NUMBER: SP1-2407-184-1

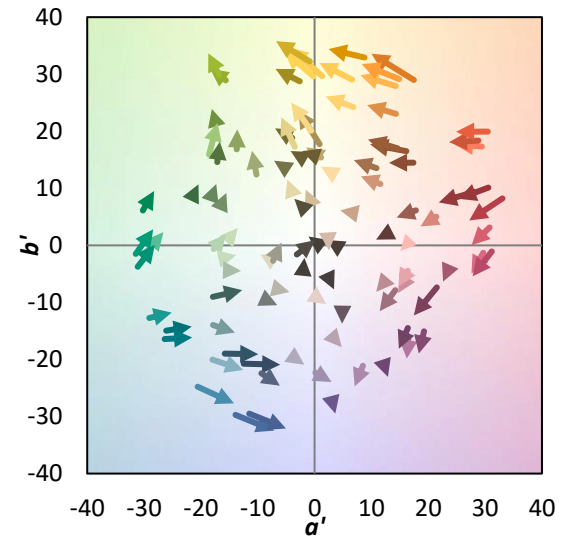
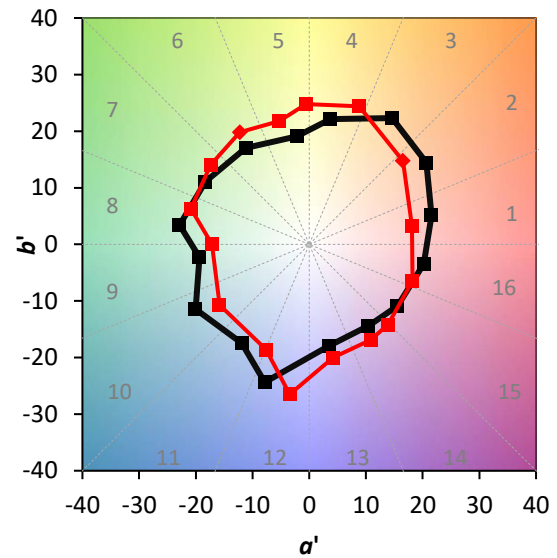
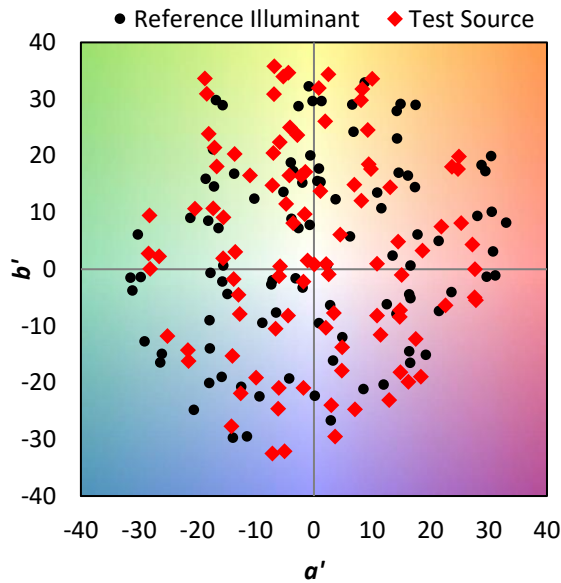
TM-30-18

Summary

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

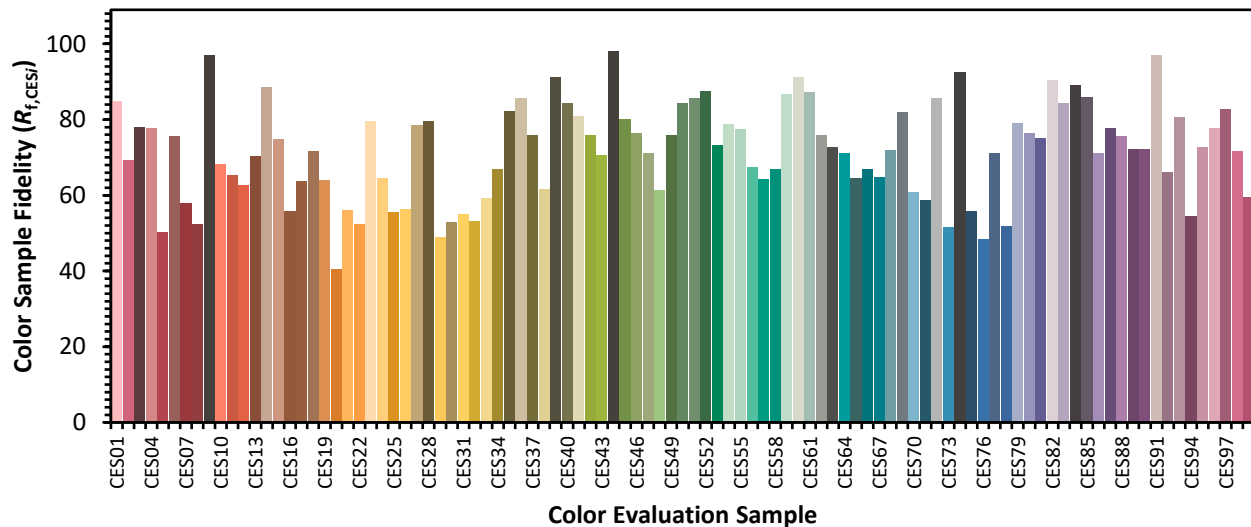


Color Vector Graphics

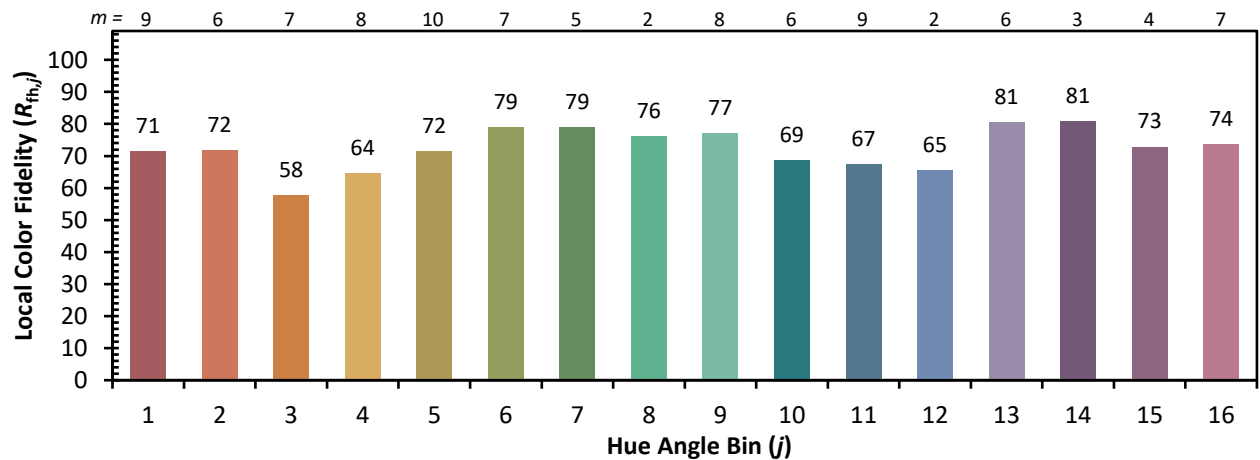


Individual Sample Fidelity Index ($R_{f,i}$)

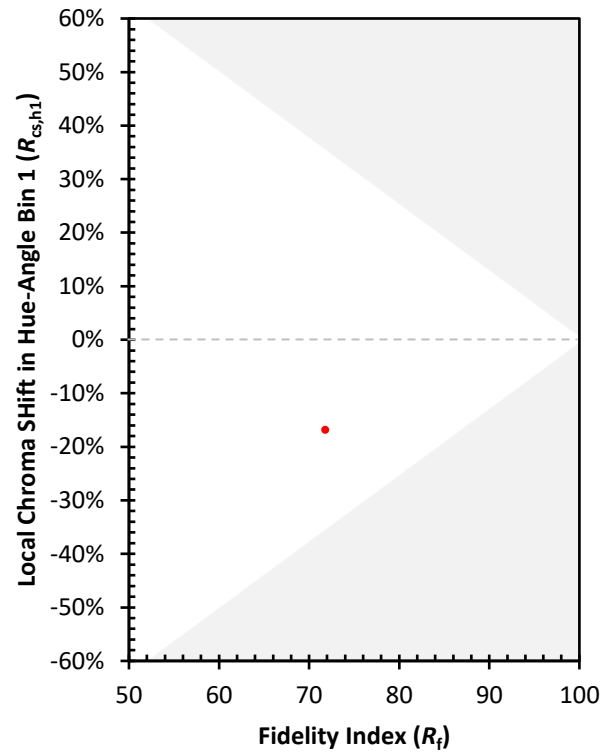
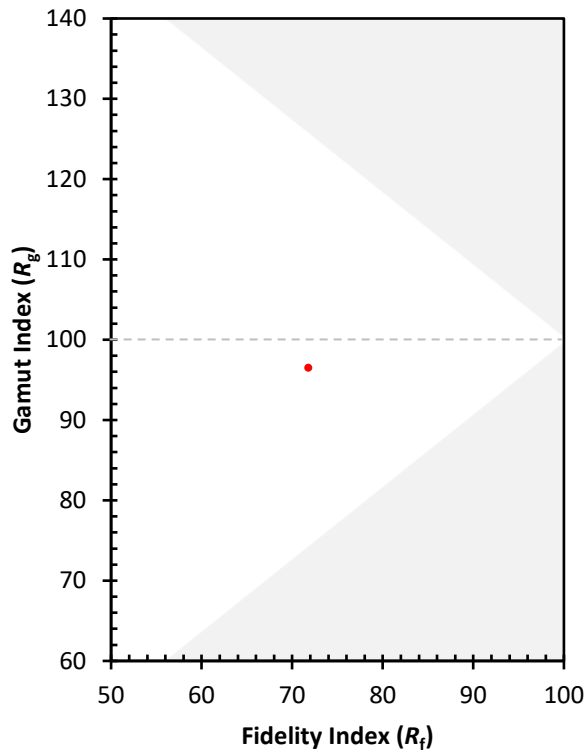
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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