

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: STREETWORKS

Report Number: P1065726

Luminaire Tested: **NVN-SA5B-740-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065726
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5B-740-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23187.1 lumens
Efficiency: N/A
Efficacy: 129.7 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): 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



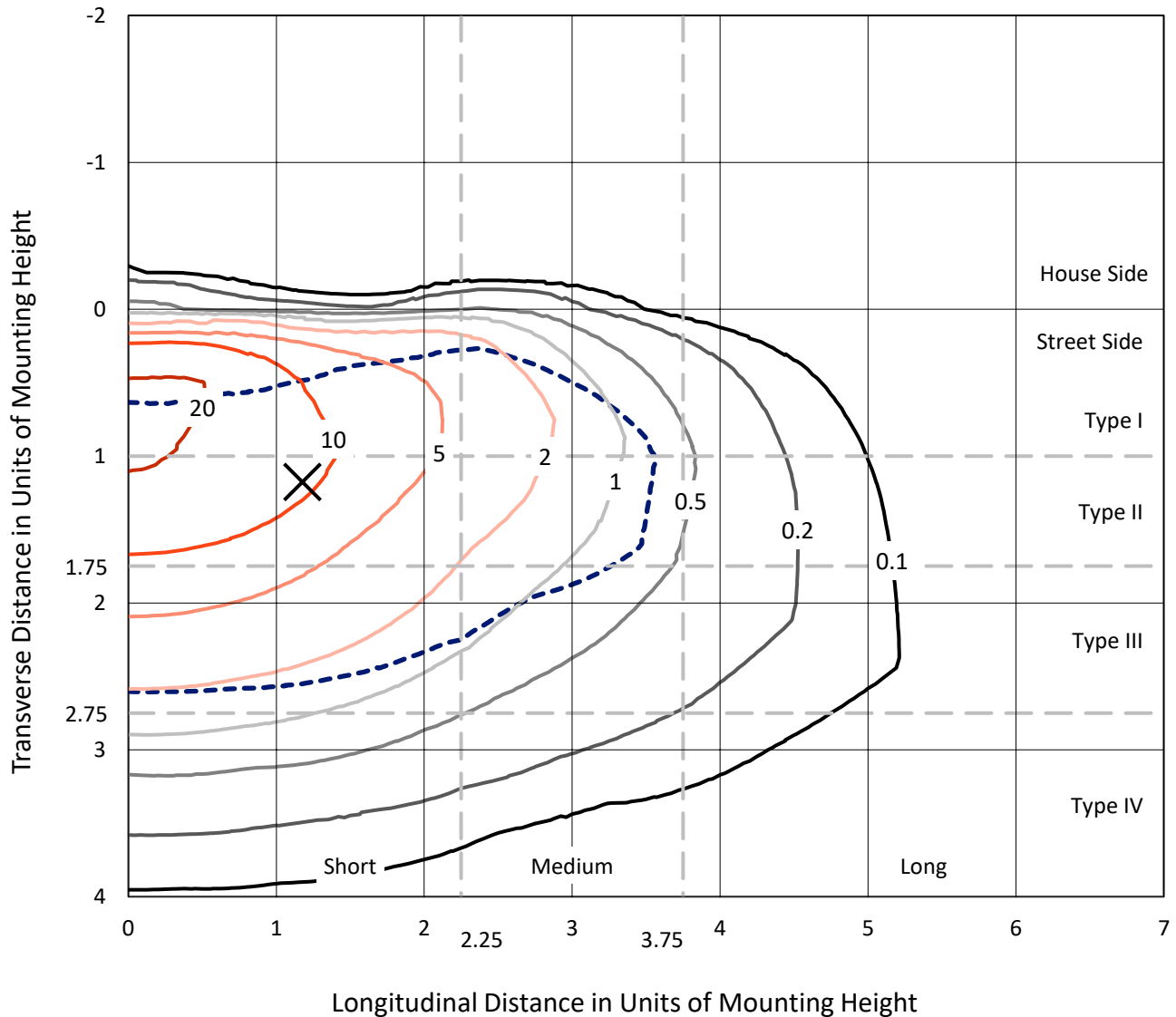
REPORT NUMBER: P1065726

CATALOG NUMBER: NVN-SA5B-740-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

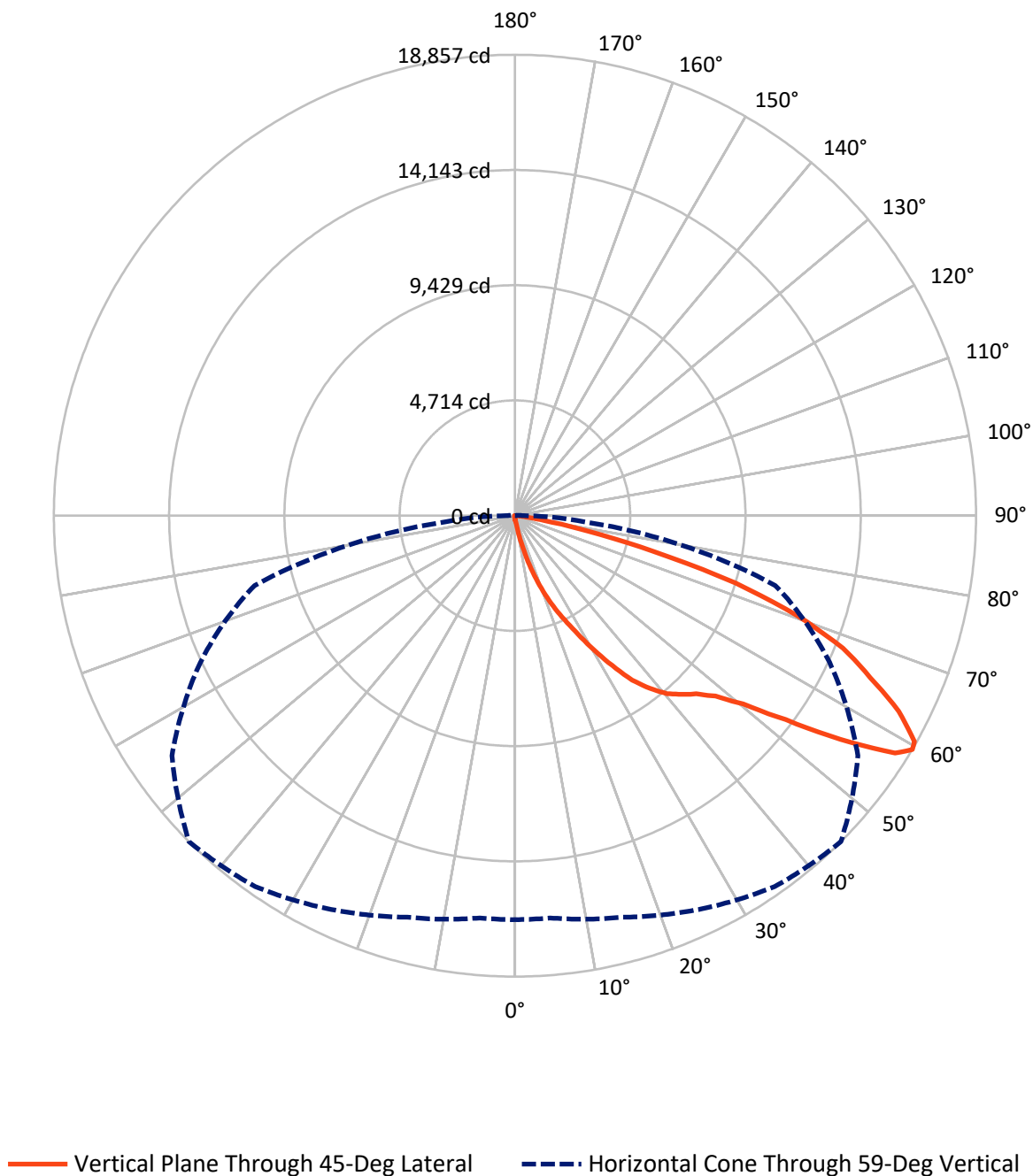


Based on 15 foot mounting height. Maximum calculated value = 25.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.3	0.0	82.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	23104.7	0.0	23104.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	23187.1	0.0	23187.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.1
10°-20°	256.3	1.1
20°-30°	920.9	4.0
30°-40°	2139.8	9.2
40°-50°	3647.2	15.7
50°-60°	6009.6	25.9
60°-70°	6948.5	30.0
70°-80°	2985.3	12.9
80°-90°	258.0	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°	23187.1	100.0
0°-180°	23187.1	100.0



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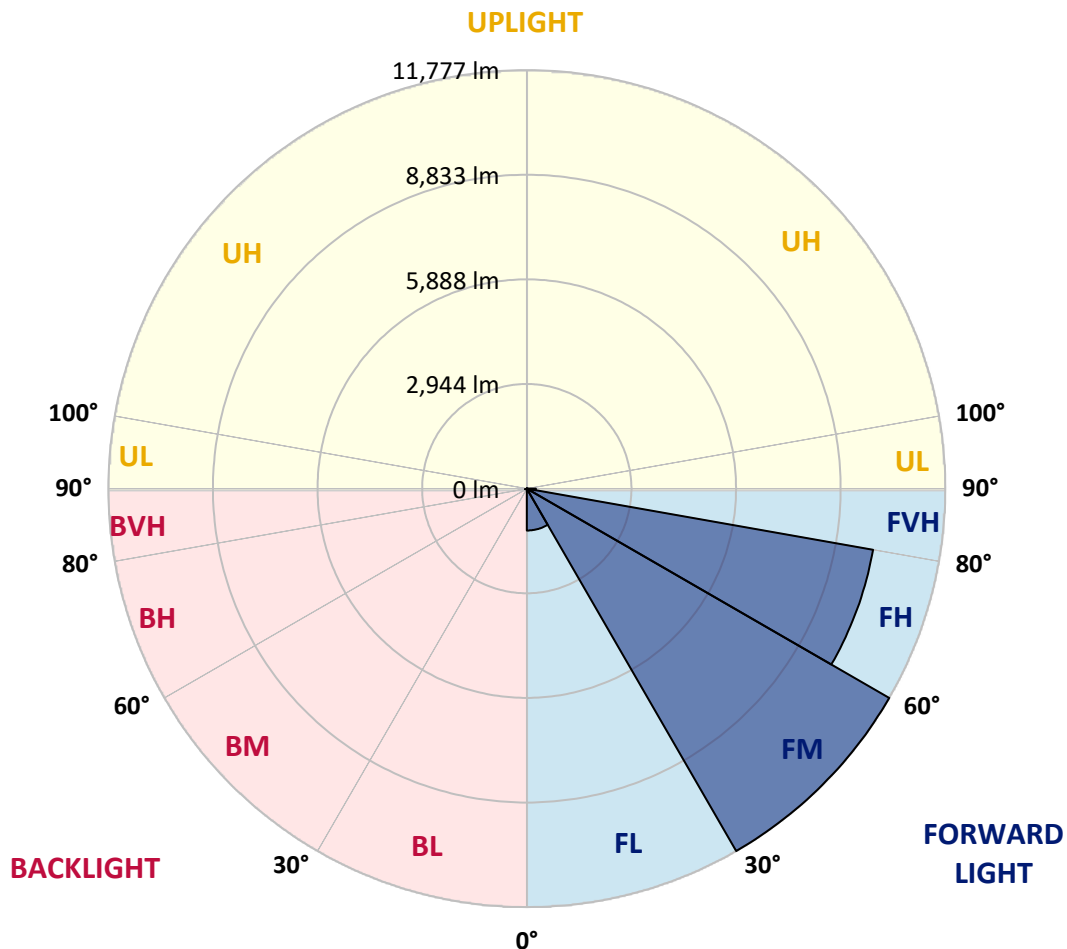
CATALOG NUMBER: NVN-SA5B-740-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1178.4	5.1			
FM	(30°-60°)	11776.7	50.8			
FH	(60°-80°)	9895.0	42.7			G4/12000
FVH	(80°-90°)	254.6	1.1			G3/500
BL	(0°-30°)	20.3	0.1	B0/110		
BM	(30°-60°)	19.9	0.1	B0/220		
BH	(60°-80°)	38.7	0.2	B0/110		G0/110
BVH	(80°-90°)	3.4	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°	44°	45°	55°	65°	75°	85°
0°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6
2.5°	190.2	190.2	185.5	179.3	177.7	173.1	173.1	168.4	162.1	157.5	151.2
5°	276.0	274.4	261.9	246.3	226.1	213.6	213.6	196.4	180.9	166.8	154.4
7.5°	603.4	589.3	544.1	469.3	371.1	305.6	300.9	244.8	207.4	179.3	155.9
10°	1384.5	1336.2	1272.2	1092.9	807.6	564.4	553.5	357.0	247.9	193.3	159.0
12.5°	2268.5	2307.5	2179.6	1897.4	1563.8	1163.1	1085.1	601.8	327.4	212.0	162.1
15°	3073.0	3063.6	2991.9	2761.2	2376.1	1842.9	1794.5	1046.2	469.3	241.7	165.3
17.5°	3674.8	3663.9	3595.3	3447.2	3150.9	2617.7	2575.6	1668.2	735.9	283.8	168.4
20°	4309.4	4295.3	4198.7	4080.2	3821.4	3367.7	3317.8	2363.6	1152.2	352.4	168.4
22.5°	5070.2	5043.7	4940.8	4739.7	4466.8	4072.4	4027.2	3074.6	1668.2	464.6	176.2
25°	5990.1	5944.9	5803.0	5622.1	5293.2	4769.3	4721.0	3866.6	2290.3	634.6	184.0
27.5°	7039.4	7047.2	6855.4	6549.8	6108.6	5573.8	5483.4	4576.0	2934.2	877.8	193.3
30°	8285.1	8207.1	7937.4	7581.9	7153.2	6471.8	6384.5	5282.2	3657.7	1236.4	208.9
32.5°	9451.3	9367.1	9003.8	8556.4	8096.4	7377.7	7306.0	6075.8	4315.6	1660.4	237.0
35°	10452.2	10393.0	9884.7	9339.0	8930.5	8288.2	8266.4	6961.4	5088.9	2117.3	268.2
37.5°	11333.1	11225.6	10572.3	10006.3	9591.6	9016.3	8969.5	7772.1	5834.2	2647.4	314.9
40°	12084.6	12025.4	11228.7	10485.0	10148.2	9633.7	9574.5	8483.1	6604.4	3263.2	372.6
42.5°	12889.1	12811.2	12037.8	11203.7	10583.2	10032.8	9993.9	9069.3	7290.4	3939.9	458.4
45°	13798.1	13653.1	12974.9	12226.5	11283.2	10446.0	10402.3	9591.6	7993.5	4666.4	562.8
47.5°	14769.4	14643.1	14094.3	13568.9	12483.7	11127.3	11033.8	10036.0	8692.0	5505.2	695.4
50°	15757.9	15761.0	15349.4	15096.8	13950.9	12234.3	12101.8	10689.2	9426.3	6403.2	891.8
52.5°	16908.5	16938.1	16931.9	16744.8	15856.1	14044.4	13866.7	11680.8	10279.2	7451.0	1163.1
55°	17390.2	17443.3	17787.8	18202.5	17960.9	16339.4	16149.2	13391.1	11409.5	8618.7	1565.3
57.5°	16995.8	17055.0	17530.6	18257.1	18812.2	18349.1	18327.3	15617.5	12898.5	10034.4	2223.3
59°	16526.5	16518.7	17006.7	17776.9	18525.3	18826.2	18857.4	17123.6	14195.6	11027.5	2790.8
60°	16214.7	16220.9	16545.2	17335.7	18130.8	18653.1	18774.7	18010.8	14953.4	11741.6	3277.2
62.5°	15011.1	15082.8	15340.0	16074.4	16829.0	17412.1	17619.4	18801.2	17122.1	13428.6	4968.9
65°	13703.0	13707.6	14074.0	14702.4	15425.8	15835.8	15966.8	17571.1	18570.5	15146.7	7187.5
67.5°	11369.0	11464.1	11880.4	12898.5	13854.2	14373.4	14473.2	15294.8	17970.2	16266.1	8299.1
70°	7956.1	8080.8	8674.9	9995.4	11418.9	12271.7	12265.5	12714.5	15815.6	15767.2	7036.2
72.5°	3972.6	4187.8	4672.6	6086.7	7811.1	9150.4	9432.6	10227.7	12705.1	13096.5	5249.5
75°	1755.6	1768.0	2044.0	2756.5	3882.2	5583.2	5835.7	8118.3	9747.5	9102.1	3791.7
77.5°	1021.2	1030.6	1080.5	1237.9	1573.1	2736.2	3020.0	5324.3	6888.1	5290.0	2472.7
80°	371.1	380.4	378.9	469.3	689.1	1077.3	1200.5	2580.3	4594.7	2786.1	1295.6
82.5°	227.6	227.6	219.8	221.4	251.0	413.2	452.1	1099.2	2237.3	1372.0	371.1
85°	112.3	118.5	126.3	141.9	168.4	204.2	216.7	314.9	753.0	332.1	88.9
87.5°	67.0	68.6	74.8	90.4	112.3	146.6	155.9	213.6	269.7	223.0	21.8
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°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6	146.6
2.5°	148.1	146.6	138.8	132.5	126.3	120.1	115.4	110.7	110.7	112.3	110.7
5°	148.1	141.9	129.4	118.5	109.1	101.3	93.5	87.3	85.8	85.8	87.3
7.5°	146.6	138.8	121.6	107.6	95.1	84.2	76.4	68.6	67.0	68.6	67.0
10°	145.0	135.6	115.4	98.2	81.1	70.2	59.2	51.5	51.5	51.5	53.0
12.5°	145.0	131.0	109.1	88.9	70.2	57.7	46.8	39.0	37.4	37.4	37.4
15°	143.4	127.8	102.9	78.0	59.2	43.7	34.3	26.5	26.5	26.5	26.5
17.5°	140.3	123.2	95.1	68.6	46.8	32.7	23.4	15.6	15.6	18.7	18.7
20°	137.2	118.5	85.8	56.1	39.0	24.9	15.6	9.4	9.4	14.0	15.6
22.5°	138.8	118.5	79.5	49.9	31.2	18.7	12.5	7.8	6.2	10.9	14.0
25°	140.3	115.4	71.7	43.7	23.4	14.0	9.4	3.1	1.6	3.1	4.7
27.5°	140.3	112.3	62.4	34.3	17.2	10.9	4.7	0.0	0.0	0.0	0.0
30°	138.8	107.6	54.6	28.1	12.5	6.2	1.6	0.0	0.0	0.0	0.0
32.5°	137.2	102.9	49.9	21.8	10.9	3.1	0.0	0.0	0.0	0.0	0.0
35°	138.8	96.7	43.7	17.2	6.2	0.0	0.0	0.0	0.0	0.0	3.1
37.5°	143.4	90.4	37.4	14.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	149.7	85.8	31.2	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	162.1	85.8	28.1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	177.7	85.8	23.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	198.0	87.3	20.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	223.0	90.4	18.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	241.7	87.3	17.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	274.4	84.2	15.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	318.1	79.5	15.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	361.7	73.3	15.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	411.6	70.2	14.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	679.8	62.4	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1312.8	59.2	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2121.9	59.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2231.1	59.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1484.3	48.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	795.1	43.7	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	428.8	40.5	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	188.7	29.6	7.8	4.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	74.8	20.3	9.4	7.8	6.2	3.1	0.0	0.0	0.0	0.0	0.0
85°	35.9	15.6	12.5	10.9	7.8	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	17.2	15.6	14.0	12.5	10.9	7.8	1.6	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

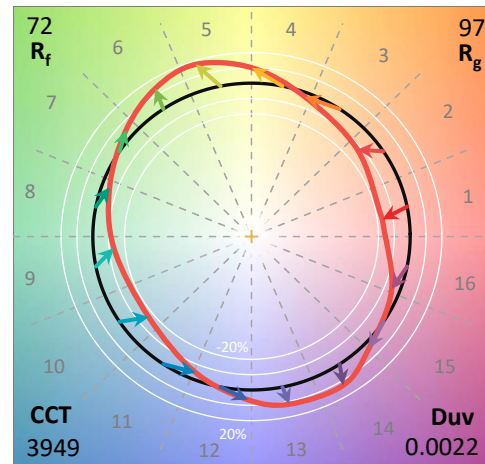
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

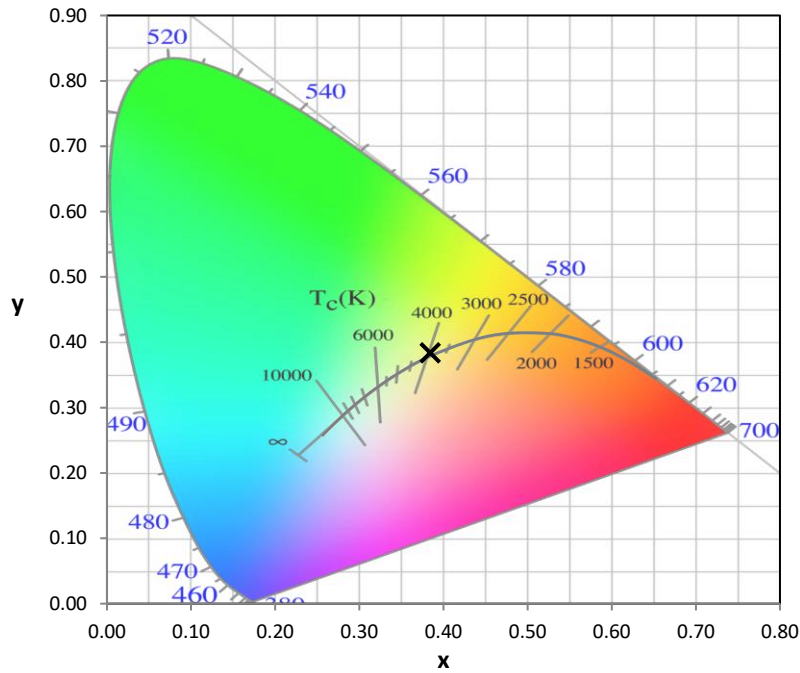
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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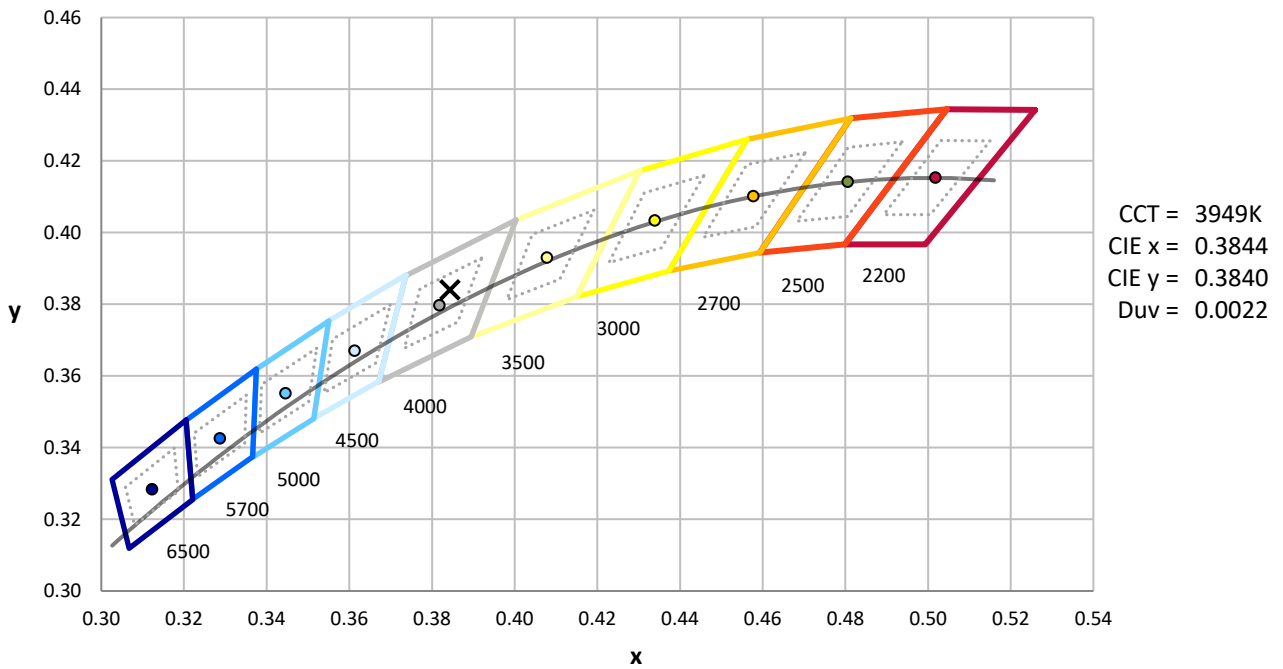
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



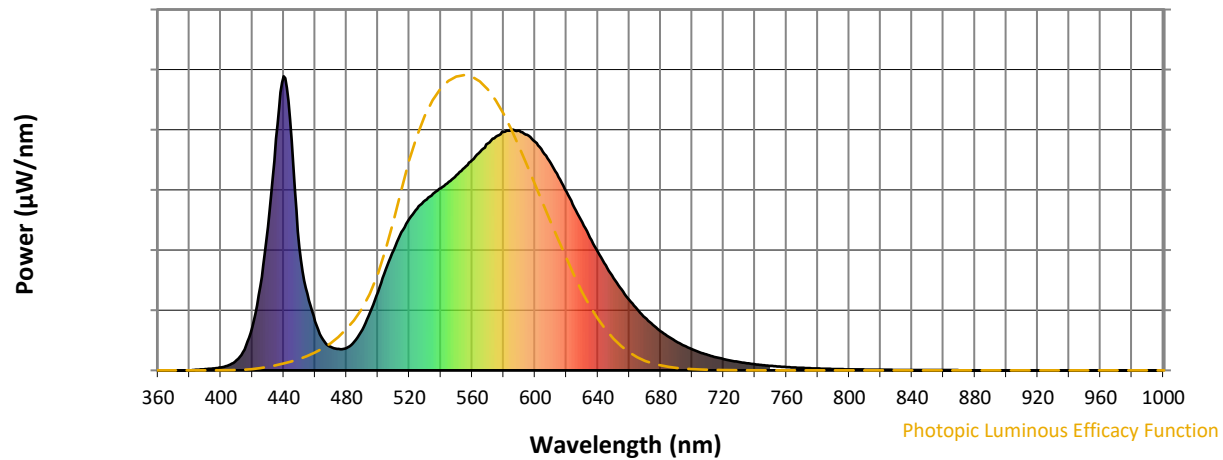
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

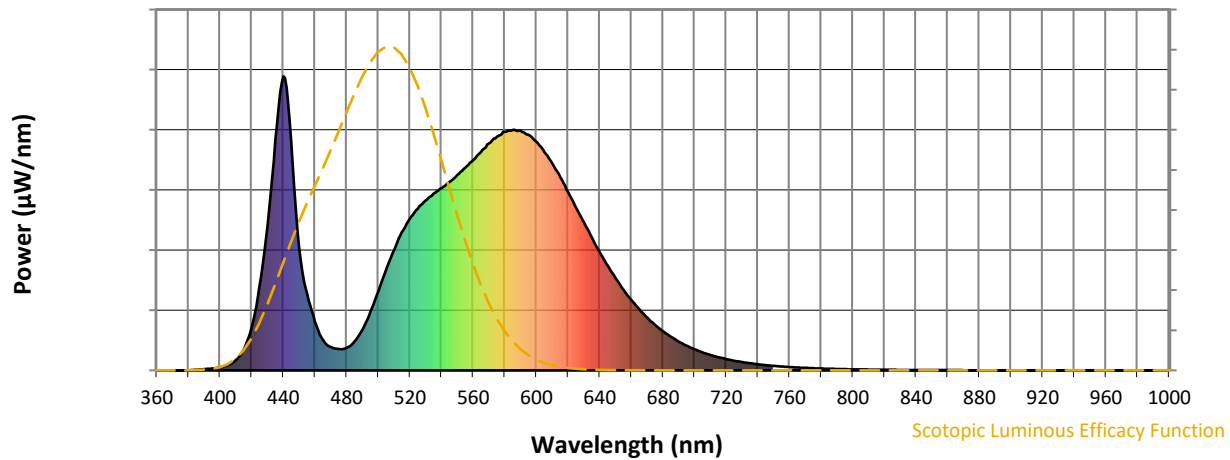


Photopic Lumens: NR

λ (nm)	Power W/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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Scotopic Flux vs. Wavelength



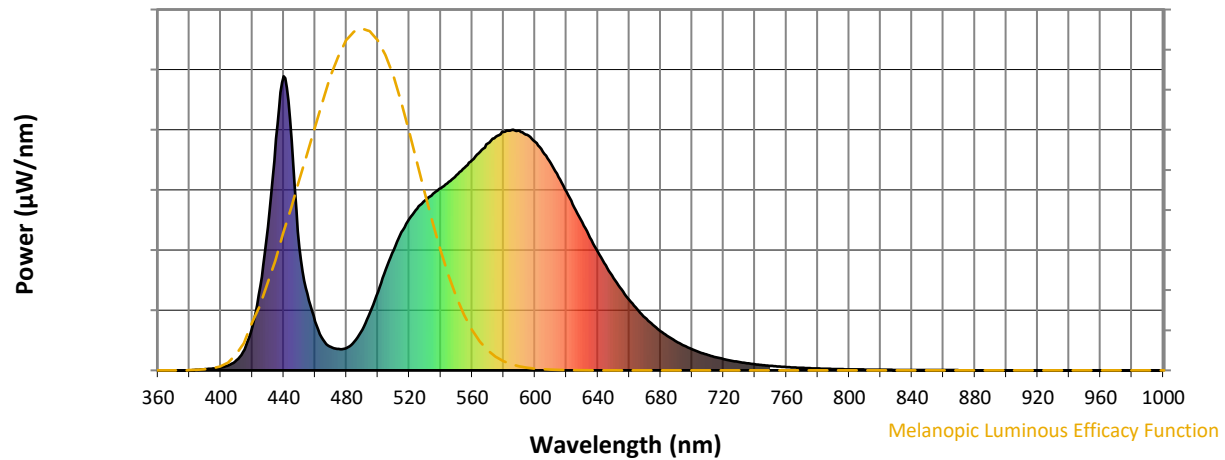
Scotopic Lumens: NR

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

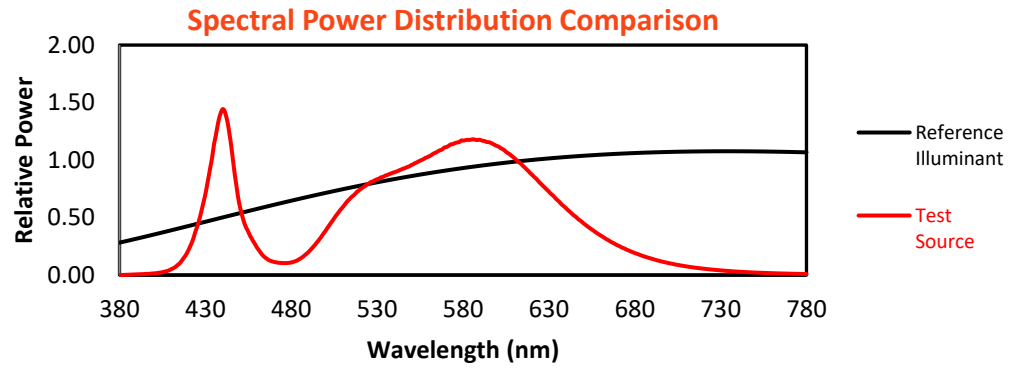
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	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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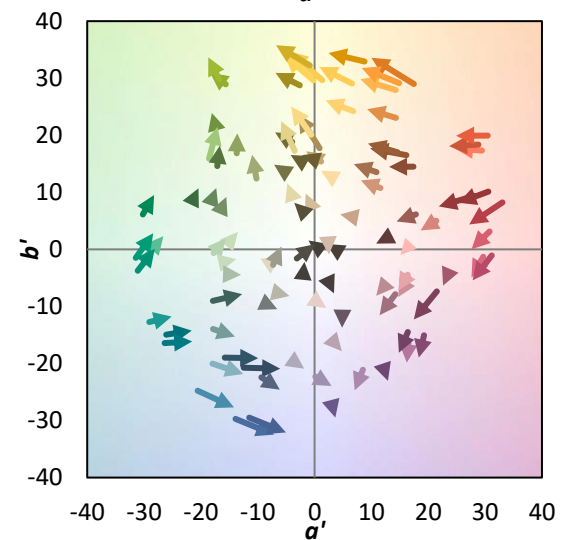
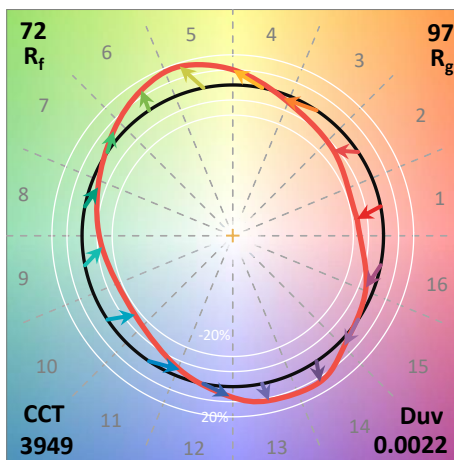
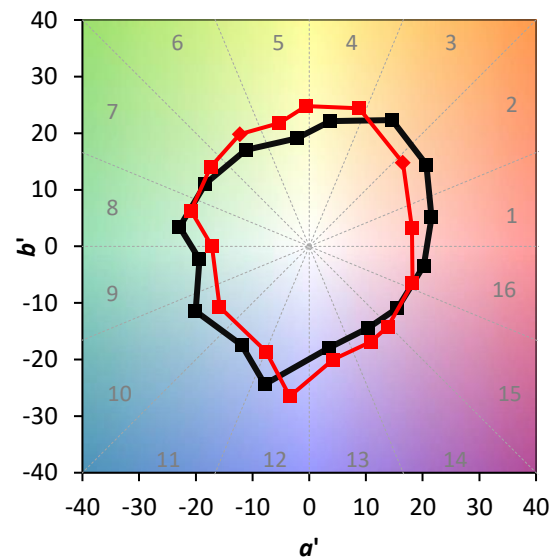
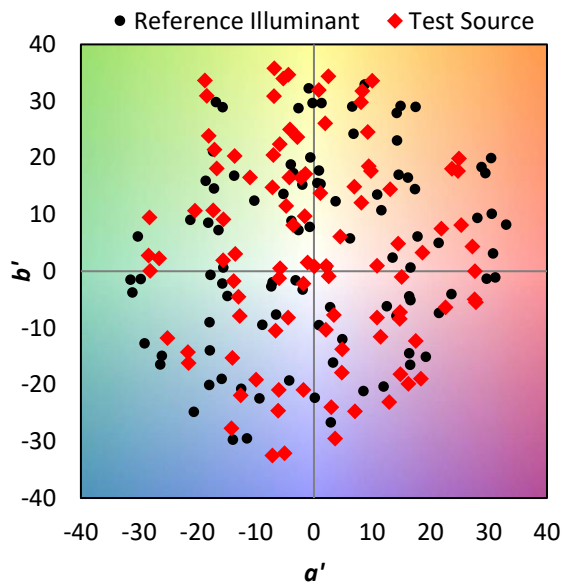
TM-30-18

Summary

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

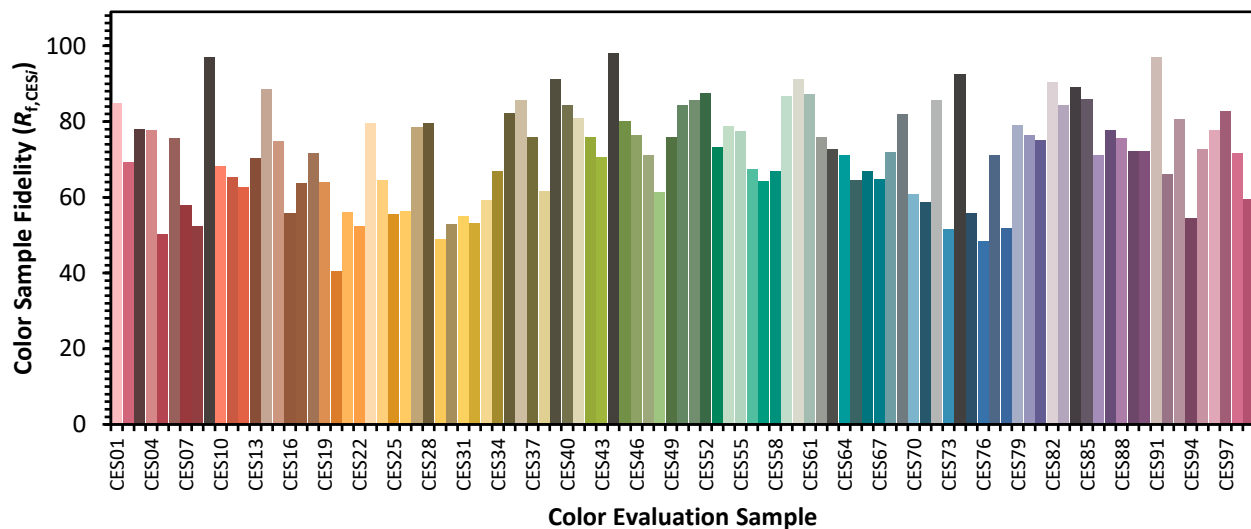


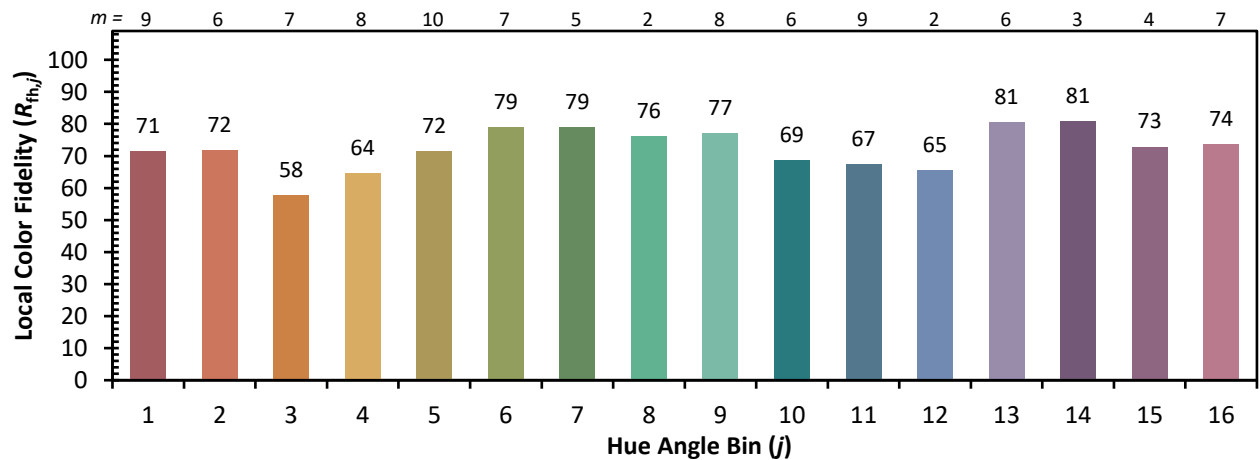
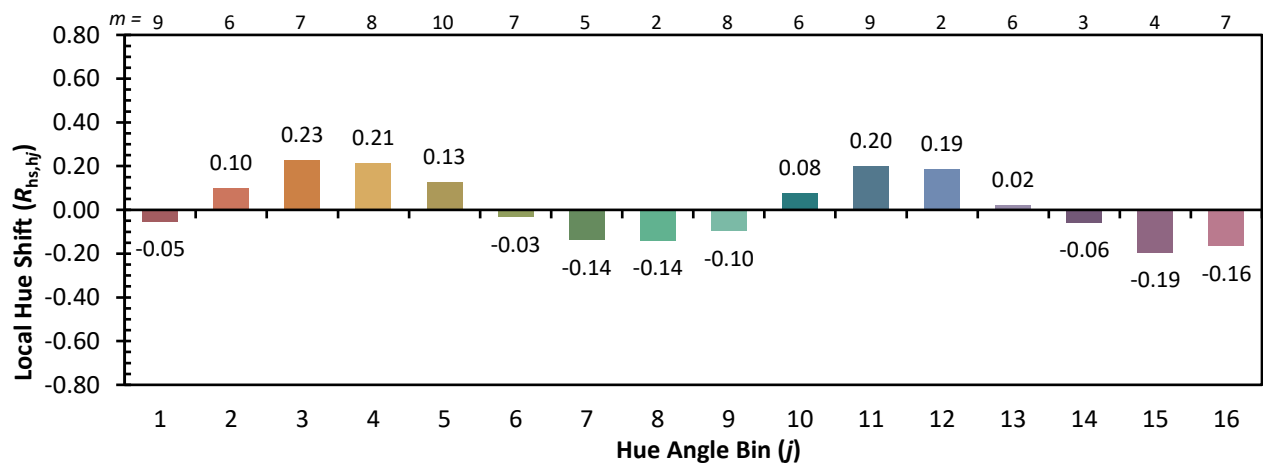
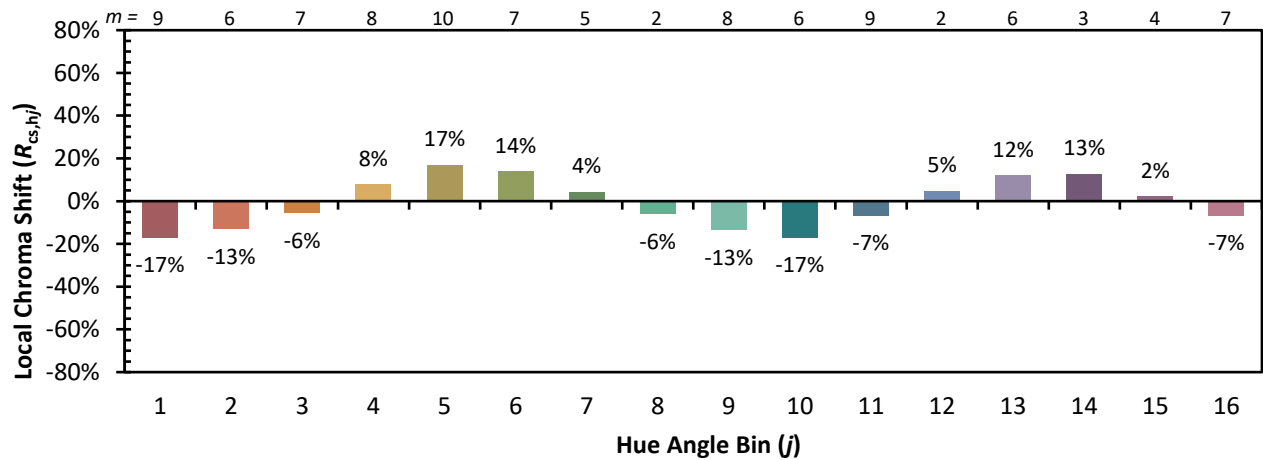
Color Vector Graphics



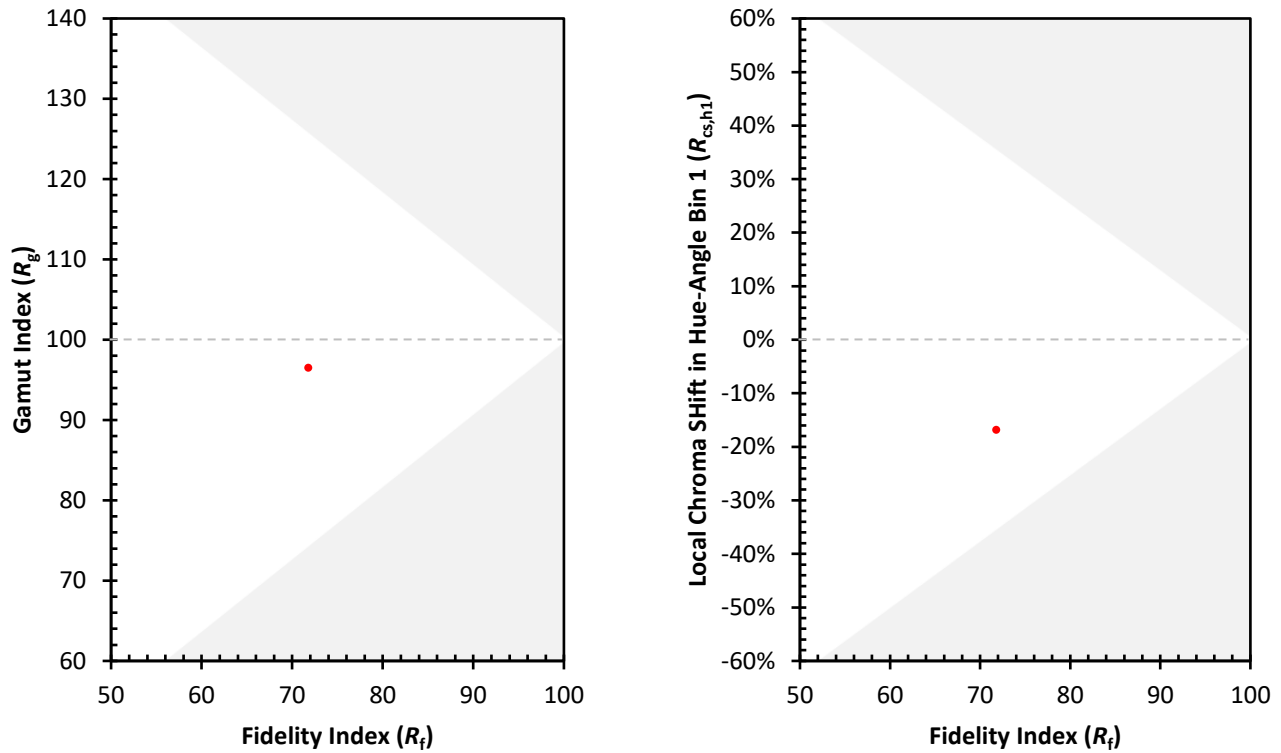
Individual Sample Fidelity Index ($R_{f,i}$)

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)