

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: P1065718

Luminaire Tested: **NVN-SA3B-740-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065718
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3B-740-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14000 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 106.2
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

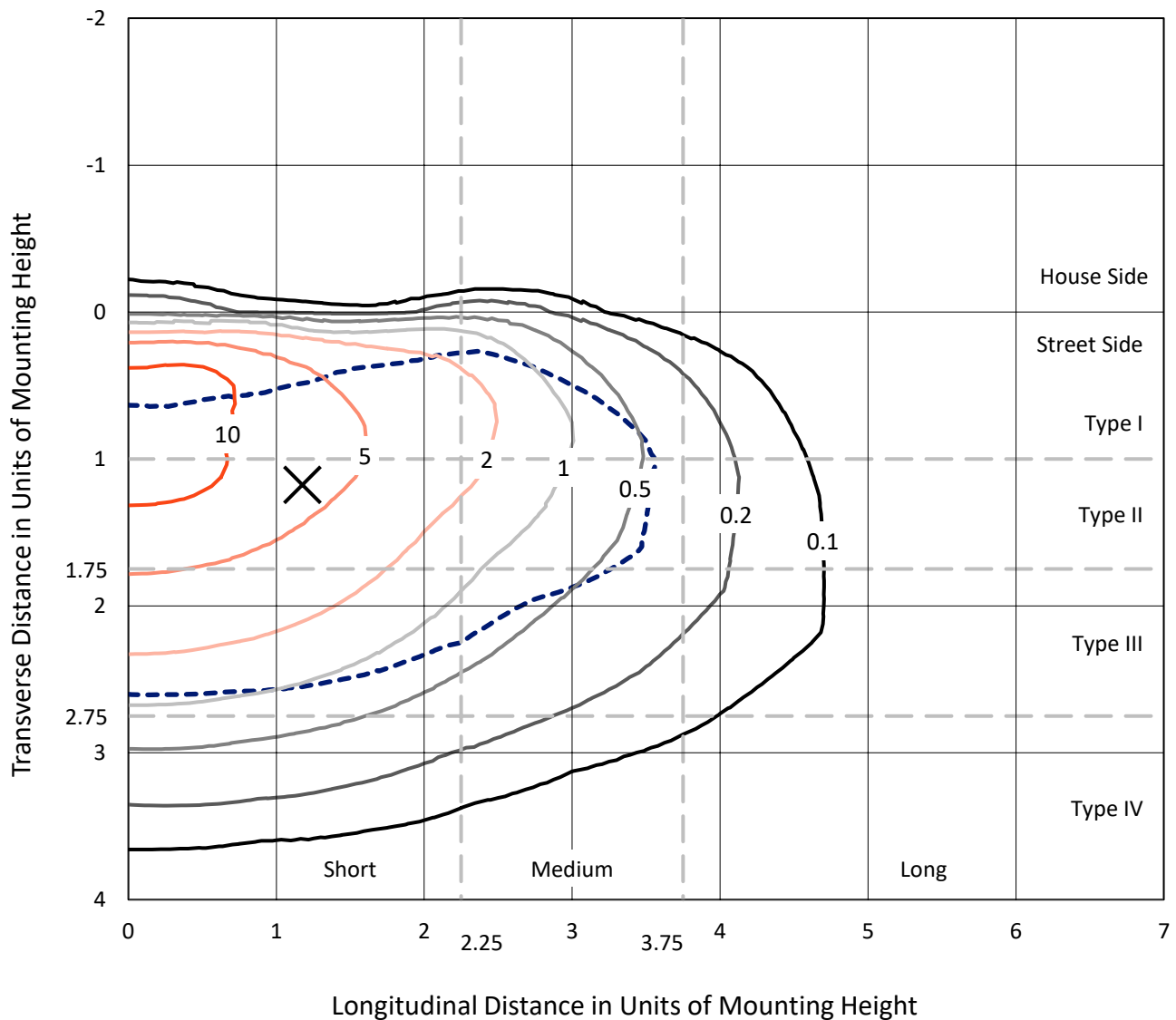


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

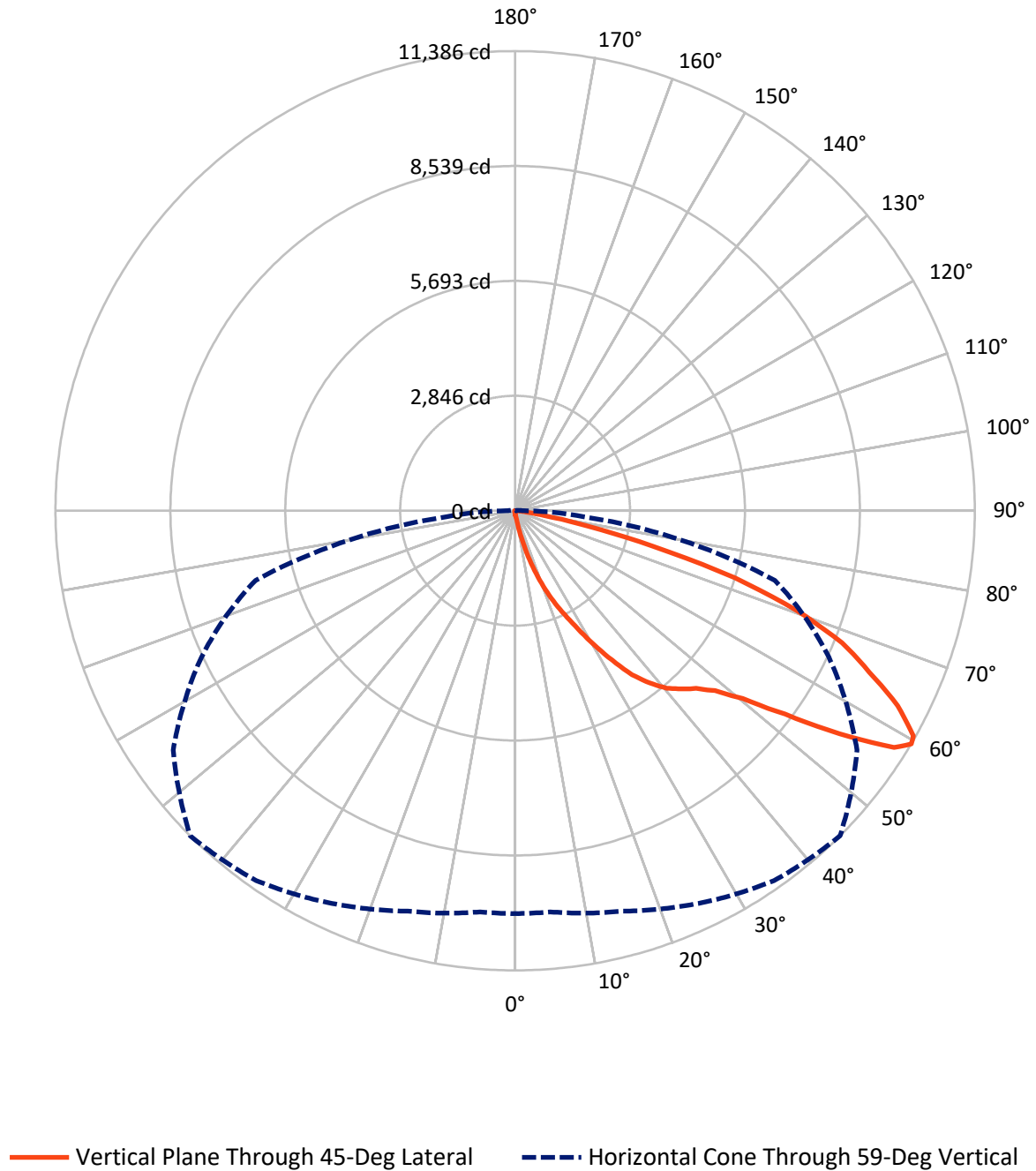


Based on 15 foot mounting height. Maximum calculated value = 15.3 fc
 Type III - Short - N/A

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CATALOG NUMBER: NVN-SA3B-740-U-T3BC

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.7	0.0	49.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13950.3	0.0	13950.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	14000.0	0.0	14000.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	154.7	1.1
20°-30°	556.0	4.0
30°-40°	1292.0	9.2
40°-50°	2202.1	15.7
50°-60°	3628.5	25.9
60°-70°	4195.4	30.0
70°-80°	1802.5	12.9
80°-90°	155.8	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°	14000.0	100.0
0°-180°	14000.0	100.0



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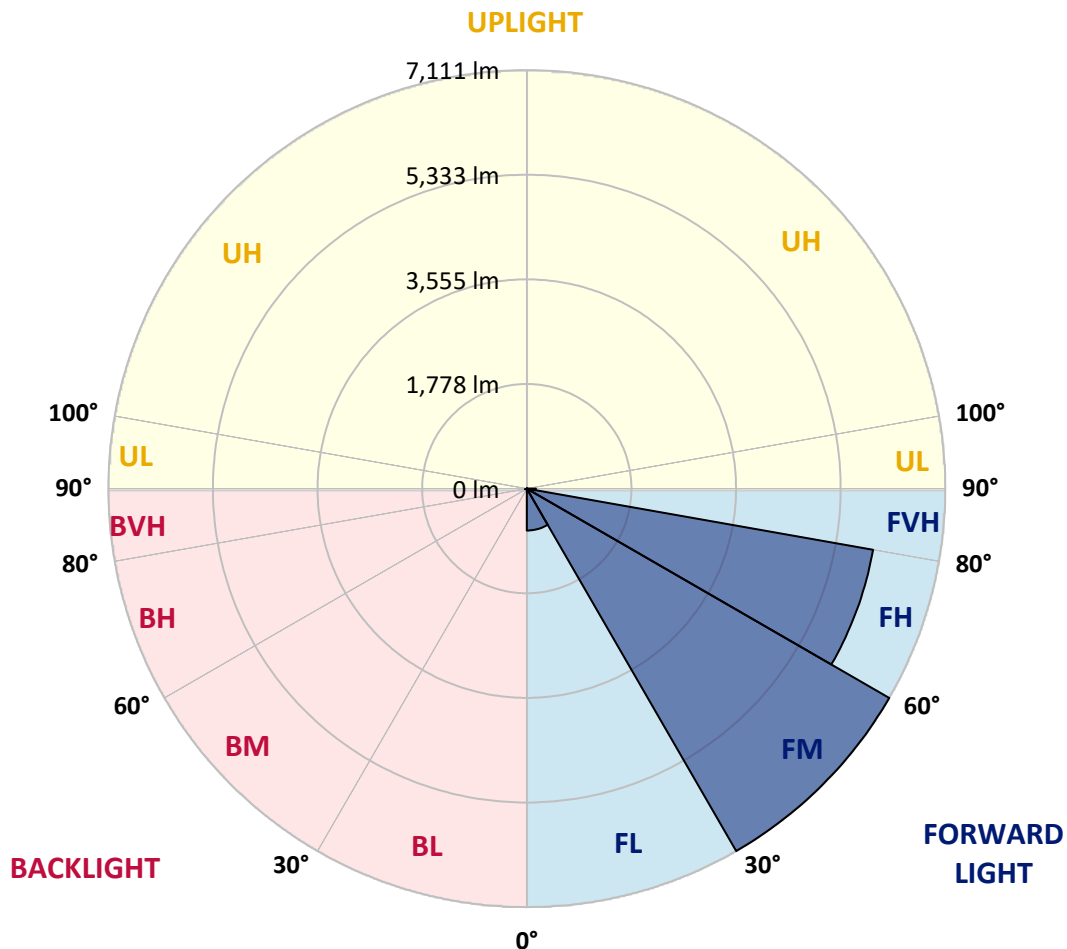
CATALOG NUMBER: NVN-SA3B-740-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	711.5	5.1			
FM	(30°-60°)	7110.6	50.8			
FH	(60°-80°)	5974.5	42.7			G3/7500
FVH	(80°-90°)	153.7	1.1			G2/225
BL	(0°-30°)	12.3	0.1	B0/110		
BM	(30°-60°)	12.0	0.1	B0/220		
BH	(60°-80°)	23.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2.5°	114.8	114.8	112.0	108.3	107.3	104.5	104.5	101.7	97.9	95.1	91.3
5°	166.6	165.7	158.1	148.7	136.5	129.0	129.0	118.6	109.2	100.7	93.2
7.5°	364.3	355.8	328.5	283.4	224.0	184.5	181.7	147.8	125.2	108.3	94.1
10°	835.9	806.8	768.2	659.9	487.6	340.8	334.2	215.6	149.7	116.7	96.0
12.5°	1369.7	1393.2	1316.0	1145.6	944.2	702.3	655.2	363.4	197.7	128.0	97.9
15°	1855.4	1849.8	1806.5	1667.2	1434.6	1112.7	1083.5	631.7	283.4	145.9	99.8
17.5°	2218.8	2212.2	2170.8	2081.4	1902.5	1580.6	1555.1	1007.3	444.3	171.3	101.7
20°	2601.9	2593.5	2535.1	2463.6	2307.3	2033.4	2003.2	1427.1	695.7	212.7	101.7
22.5°	3061.3	3045.3	2983.2	2861.8	2697.0	2458.8	2431.5	1856.4	1007.3	280.5	106.4
25°	3616.7	3589.4	3503.8	3394.6	3195.9	2879.6	2850.5	2334.6	1382.9	383.1	111.1
27.5°	4250.3	4255.0	4139.2	3954.7	3688.3	3365.4	3310.8	2762.9	1771.7	530.0	116.7
30°	5002.4	4955.4	4792.5	4577.9	4319.0	3907.6	3854.9	3189.3	2208.4	746.5	126.1
32.5°	5706.6	5655.7	5436.4	5166.2	4888.5	4454.5	4411.2	3668.5	2605.7	1002.6	143.1
35°	6310.9	6275.1	5968.3	5638.8	5392.1	5004.3	4991.1	4203.2	3072.6	1278.4	161.9
37.5°	6842.8	6777.8	6383.4	6041.7	5791.3	5443.9	5415.7	4692.7	3522.6	1598.4	190.2
40°	7296.5	7260.8	6779.7	6330.7	6127.4	5816.7	5780.9	5122.0	3987.6	1970.3	225.0
42.5°	7782.3	7735.2	7268.3	6764.7	6390.0	6057.7	6034.2	5475.9	4401.8	2378.8	276.8
45°	8331.1	8243.5	7834.1	7382.2	6812.7	6307.2	6280.8	5791.3	4826.4	2817.5	339.8
47.5°	8917.6	8841.3	8510.0	8192.7	7537.5	6718.5	6662.0	6059.6	5248.1	3324.0	419.8
50°	9514.4	9516.3	9267.8	9115.3	8423.3	7386.9	7306.9	6454.0	5691.5	3866.2	538.5
52.5°	10209.1	10227.0	10223.2	10110.3	9573.7	8479.8	8372.5	7052.7	6206.4	4498.8	702.3
55°	10500.0	10532.0	10740.0	10990.5	10844.5	9865.5	9750.7	8085.4	6888.9	5203.9	945.1
57.5°	10261.8	10297.6	10584.7	11023.4	11358.5	11078.9	11065.8	9429.7	7787.9	6058.6	1342.4
59°	9978.5	9973.8	10268.4	10733.5	11185.3	11367.0	11385.8	10339.0	8571.1	6658.3	1685.0
60°	9790.2	9794.0	9989.8	10467.1	10947.1	11262.5	11335.9	10874.7	9028.6	7089.4	1978.8
62.5°	9063.5	9106.8	9262.1	9705.5	10161.1	10513.2	10638.4	11351.9	10338.1	8108.0	3000.1
65°	8273.7	8276.5	8497.7	8877.1	9313.9	9561.5	9640.5	10609.2	11212.6	9145.4	4339.7
67.5°	6864.4	6921.9	7173.2	7787.9	8365.0	8678.5	8738.7	9234.8	10850.2	9821.3	5010.9
70°	4803.8	4879.1	5237.8	6035.1	6894.6	7409.5	7405.7	7676.8	9549.2	9520.0	4248.4
72.5°	2398.6	2528.5	2821.3	3675.1	4716.2	5524.9	5695.3	6175.4	7671.2	7907.5	3169.6
75°	1060.0	1067.5	1234.1	1664.3	2344.0	3371.0	3523.5	4901.7	5885.4	5495.7	2289.4
77.5°	616.6	622.2	652.4	747.4	949.8	1652.1	1823.4	3214.8	4159.0	3194.1	1493.0
80°	224.0	229.7	228.8	283.4	416.1	650.5	724.9	1558.0	2774.2	1682.2	782.3
82.5°	137.4	137.4	132.7	133.7	151.6	249.5	273.0	663.7	1350.9	828.4	224.0
85°	67.8	71.5	76.3	85.7	101.7	123.3	130.8	190.2	454.7	200.5	53.7
87.5°	40.5	41.4	45.2	54.6	67.8	88.5	94.1	129.0	162.9	134.6	13.2
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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CATALOG NUMBER: NVN-SA3B-740-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2.5°	89.4	88.5	83.8	80.0	76.3	72.5	69.7	66.8	66.8	67.8	66.8
5°	89.4	85.7	78.1	71.5	65.9	61.2	56.5	52.7	51.8	51.8	52.7
7.5°	88.5	83.8	73.4	65.0	57.4	50.8	46.1	41.4	40.5	41.4	40.5
10°	87.5	81.9	69.7	59.3	49.0	42.4	35.8	31.1	31.1	31.1	32.0
12.5°	87.5	79.1	65.9	53.7	42.4	34.8	28.2	23.5	22.6	22.6	22.6
15°	86.6	77.2	62.1	47.1	35.8	26.4	20.7	16.0	16.0	16.0	16.0
17.5°	84.7	74.4	57.4	41.4	28.2	19.8	14.1	9.4	9.4	11.3	11.3
20°	82.8	71.5	51.8	33.9	23.5	15.1	9.4	5.6	5.6	8.5	9.4
22.5°	83.8	71.5	48.0	30.1	18.8	11.3	7.5	4.7	3.8	6.6	8.5
25°	84.7	69.7	43.3	26.4	14.1	8.5	5.6	1.9	0.9	1.9	2.8
27.5°	84.7	67.8	37.7	20.7	10.4	6.6	2.8	0.0	0.0	0.0	0.0
30°	83.8	65.0	32.9	16.9	7.5	3.8	0.9	0.0	0.0	0.0	0.0
32.5°	82.8	62.1	30.1	13.2	6.6	1.9	0.0	0.0	0.0	0.0	0.0
35°	83.8	58.4	26.4	10.4	3.8	0.0	0.0	0.0	0.0	0.0	1.9
37.5°	86.6	54.6	22.6	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	90.4	51.8	18.8	6.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	97.9	51.8	16.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	107.3	51.8	14.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	119.6	52.7	12.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	134.6	54.6	11.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	145.9	52.7	10.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	165.7	50.8	9.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	192.0	48.0	9.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	218.4	44.2	9.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	248.5	42.4	8.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	410.4	37.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	792.6	35.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1281.2	35.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1347.1	35.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	896.2	29.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	480.1	26.4	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	258.9	24.5	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	113.9	17.9	4.7	2.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.2	12.2	5.6	4.7	3.8	1.9	0.0	0.0	0.0	0.0	0.0
85°	21.7	9.4	7.5	6.6	4.7	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	10.4	9.4	8.5	7.5	6.6	4.7	0.9	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

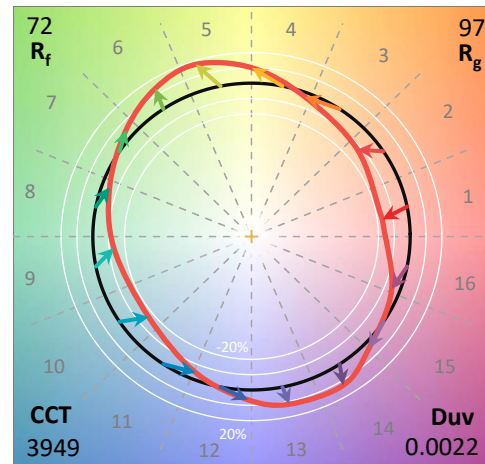
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

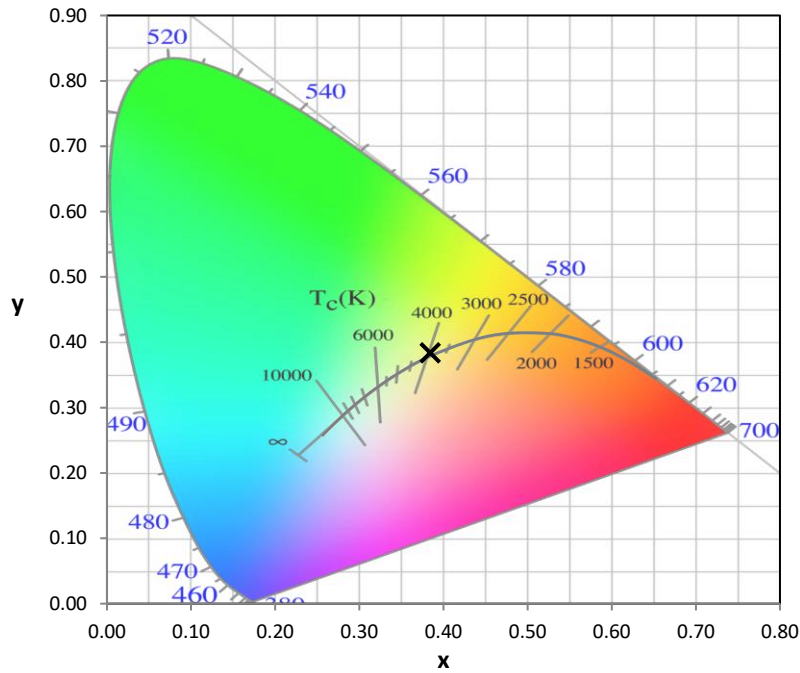
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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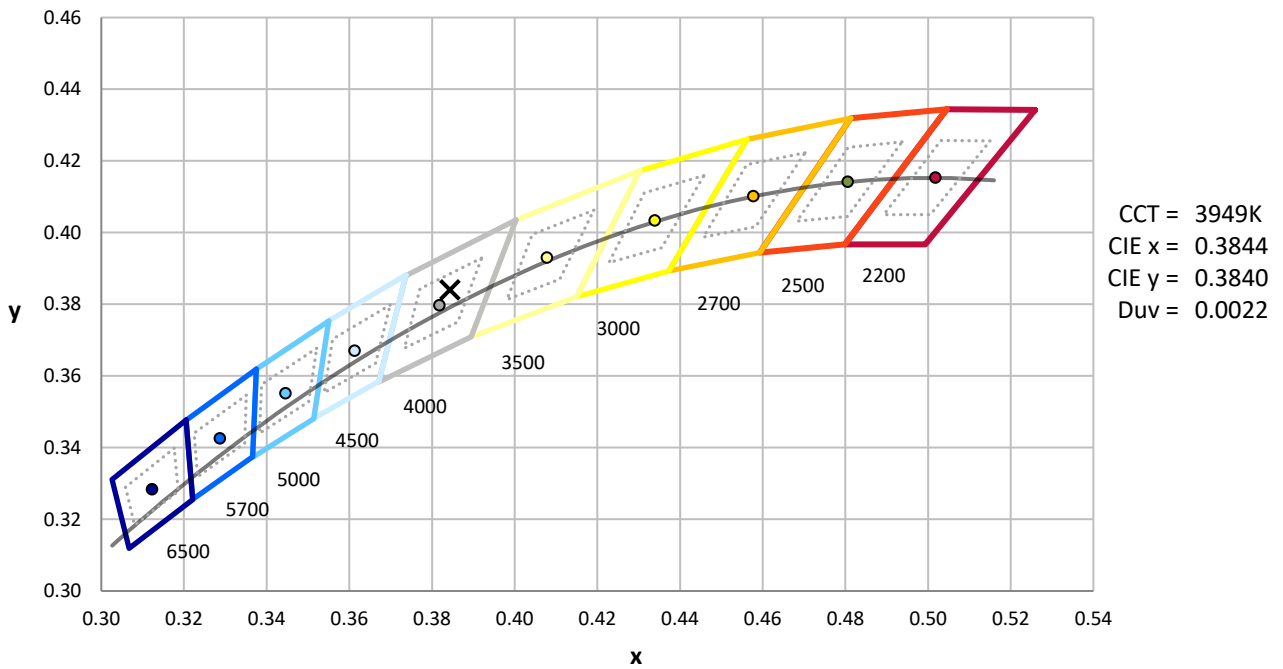
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



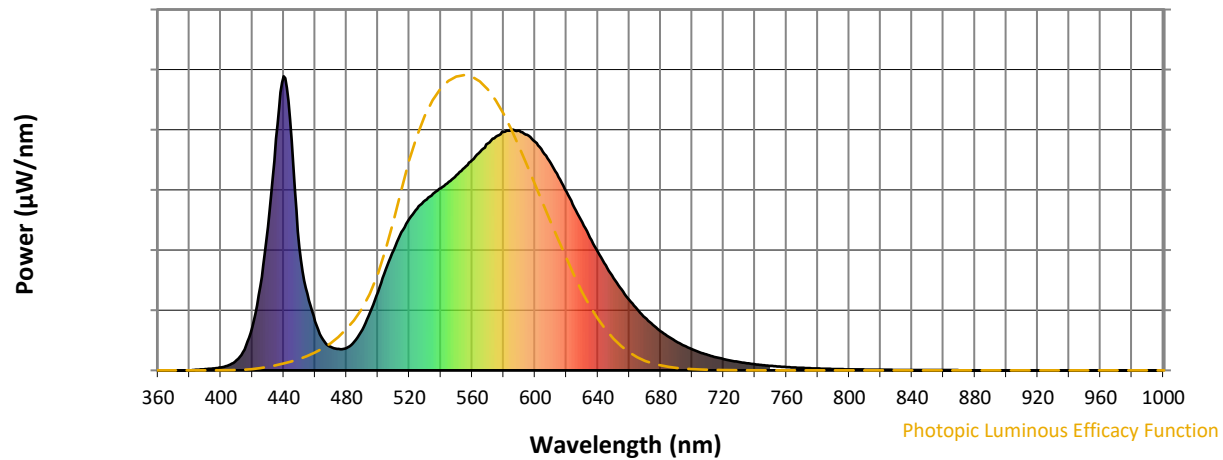
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

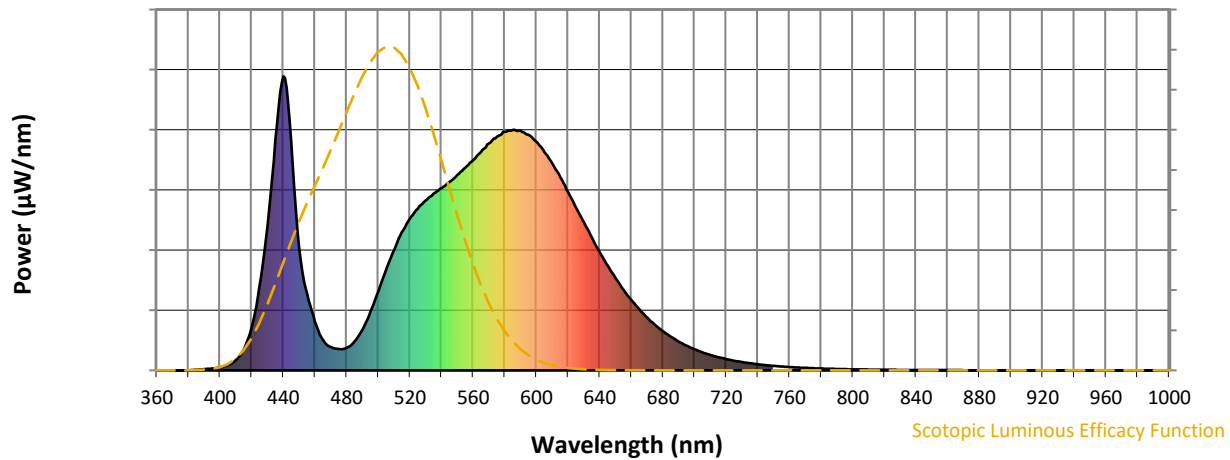


Photopic Lumens: NR

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



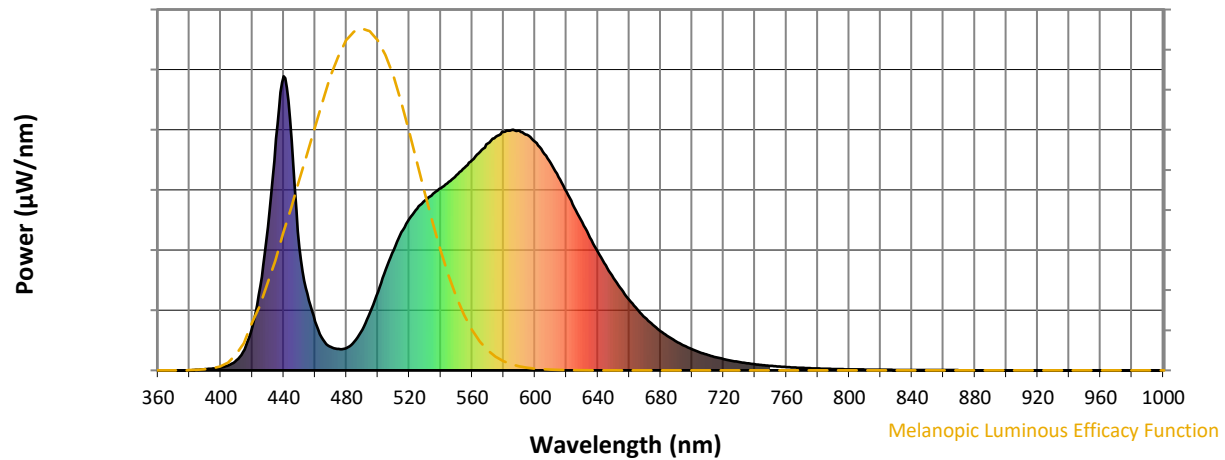
Scotopic Lumens: NR

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

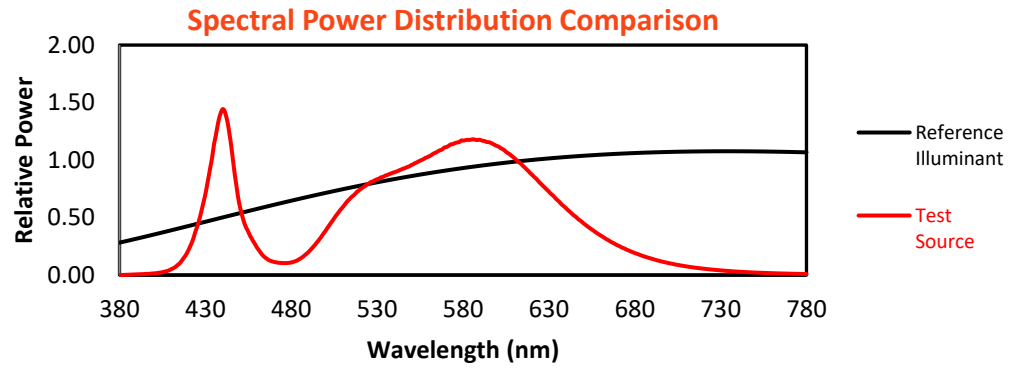
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	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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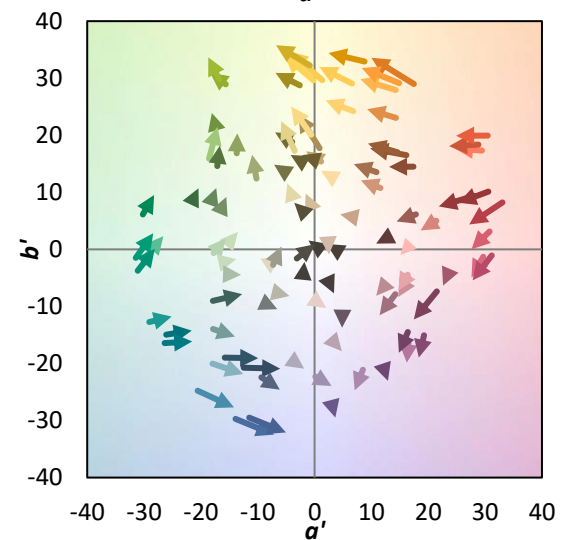
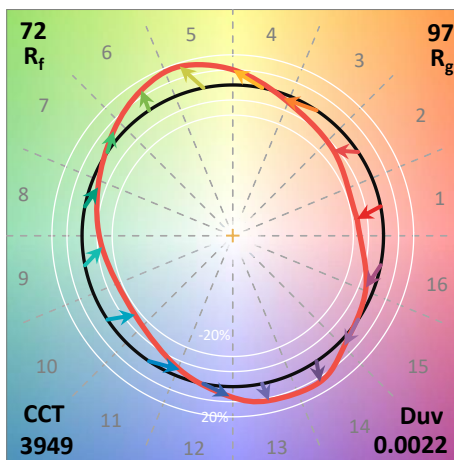
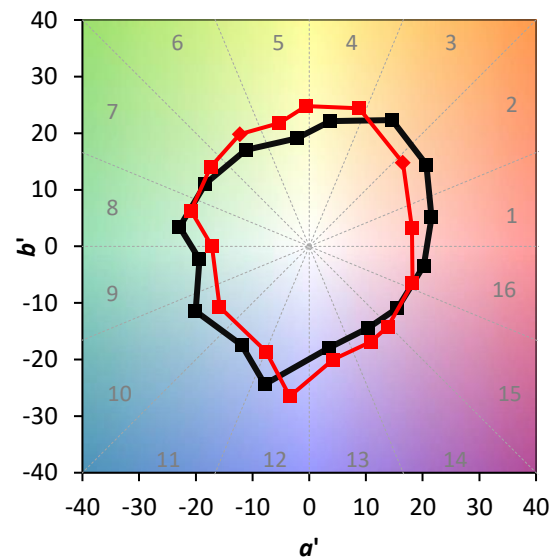
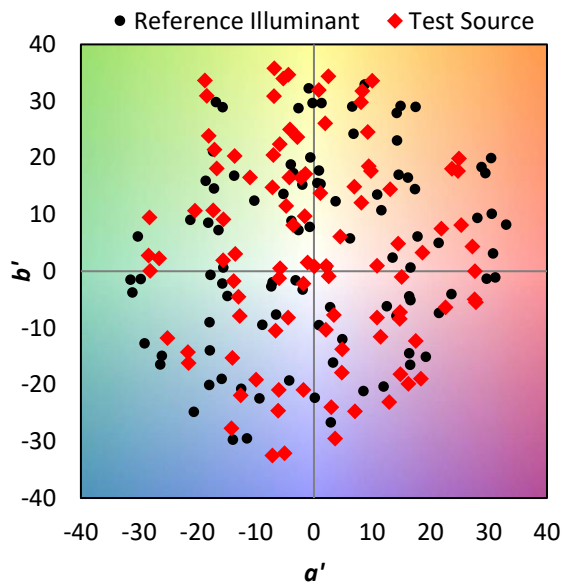
TM-30-18

Summary

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

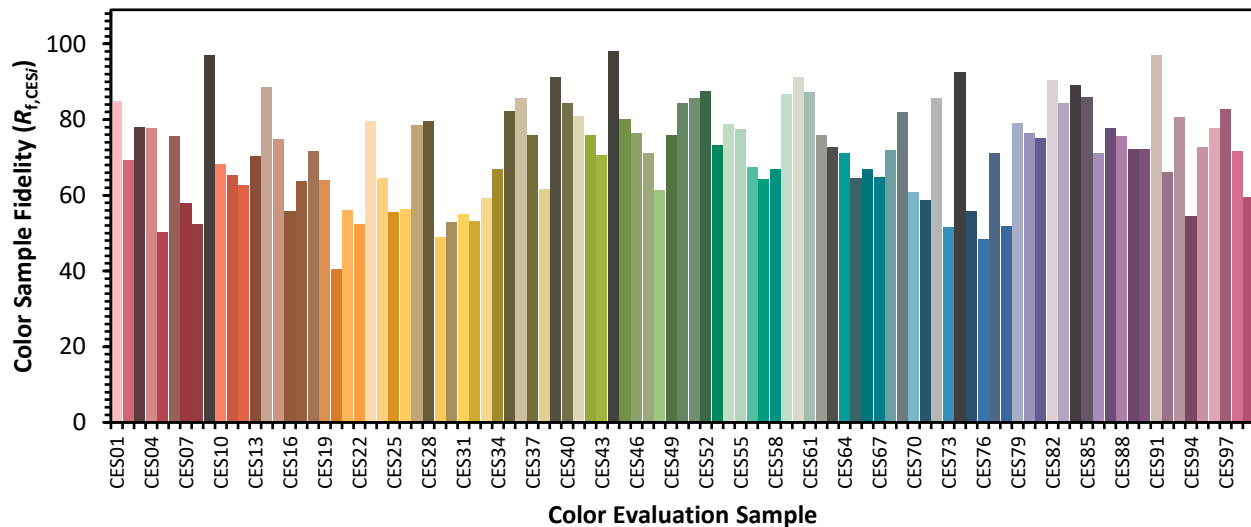


Color Vector Graphics

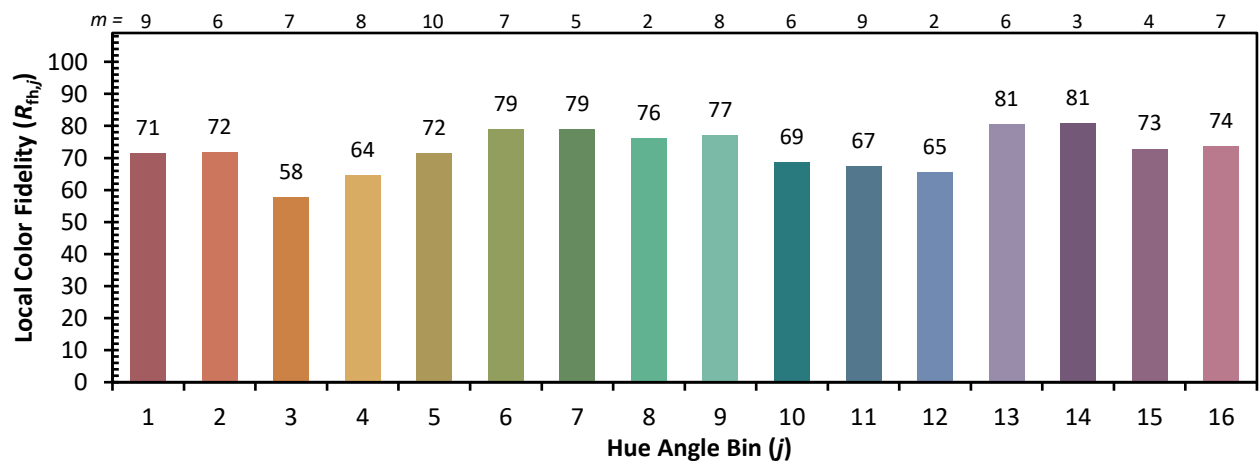
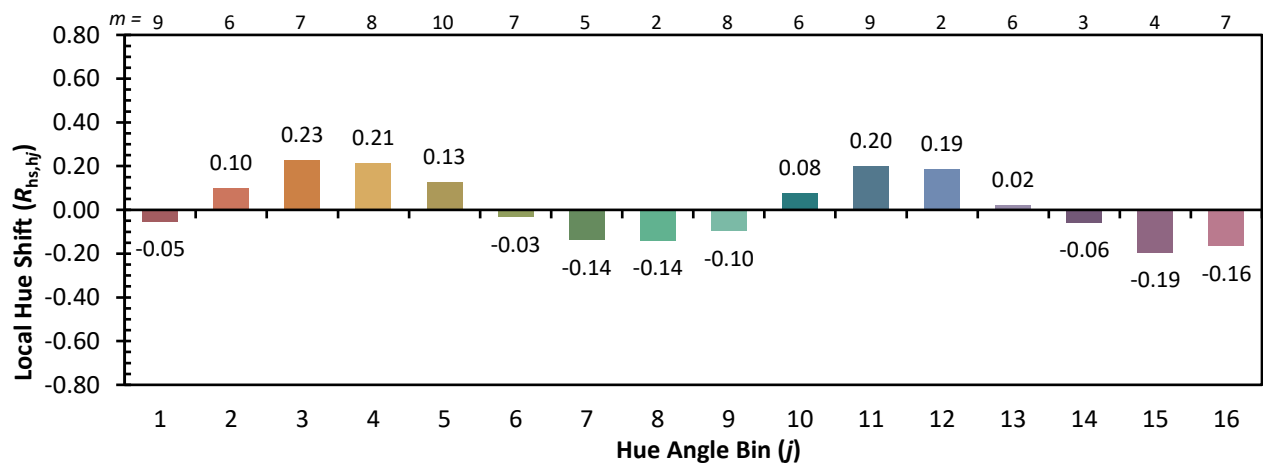
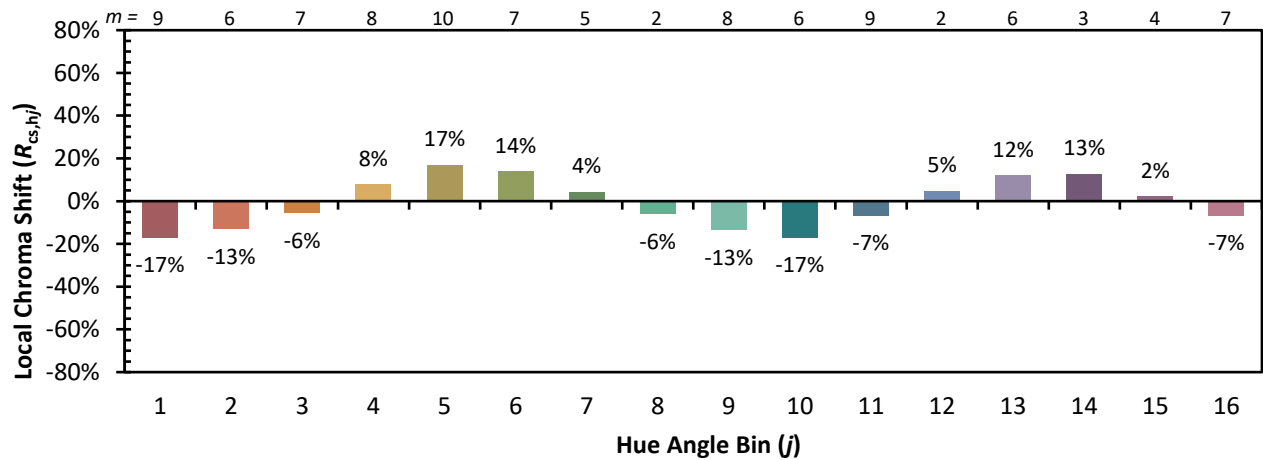


Individual Sample Fidelity Index ($R_{f,i}$)

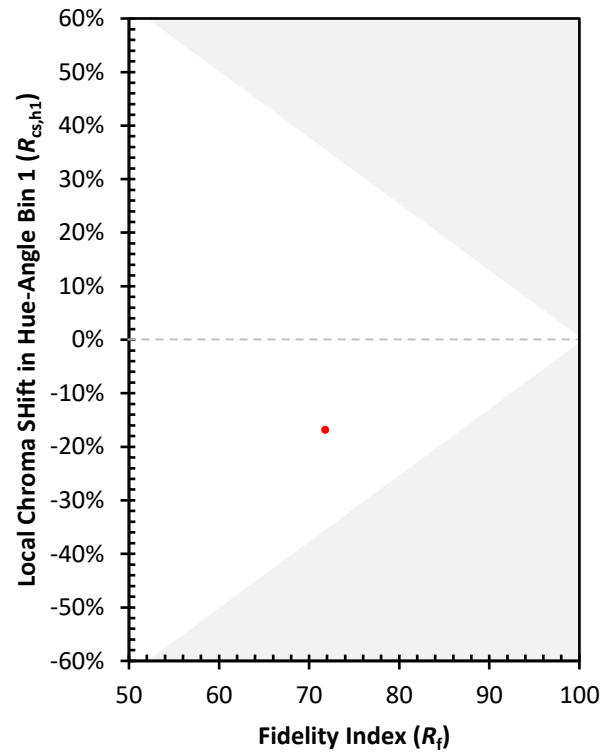
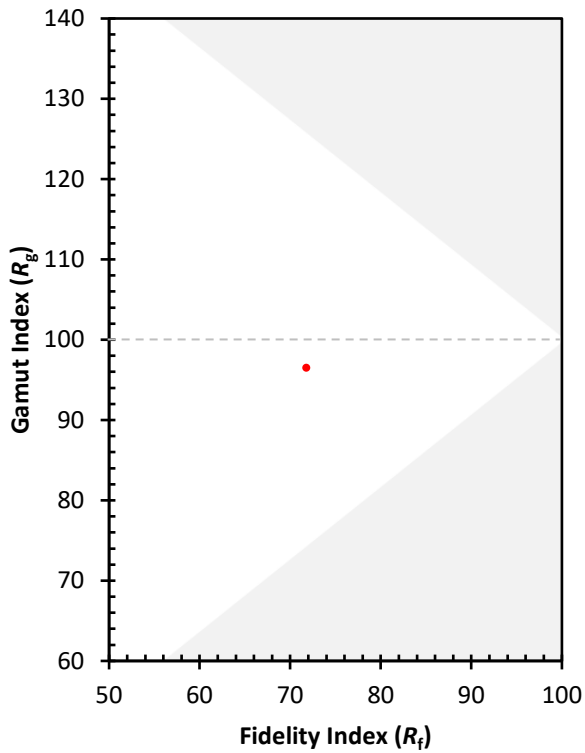
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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