

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: P1065721

Luminaire Tested: **NVN-SA4A-740-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065721
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4A-740-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14782 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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



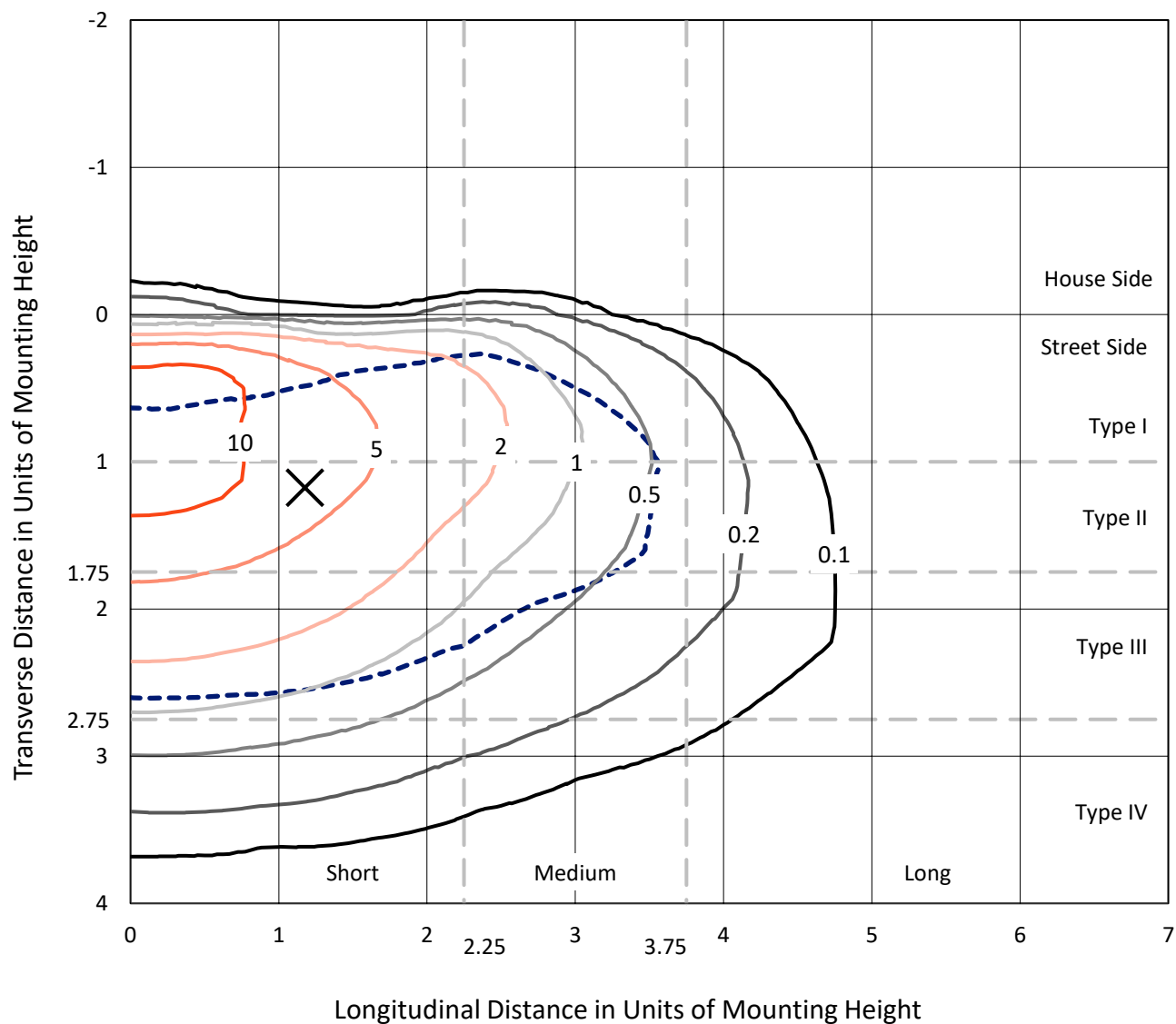
REPORT NUMBER: P1065721

CATALOG NUMBER: NVN-SA4A-740-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

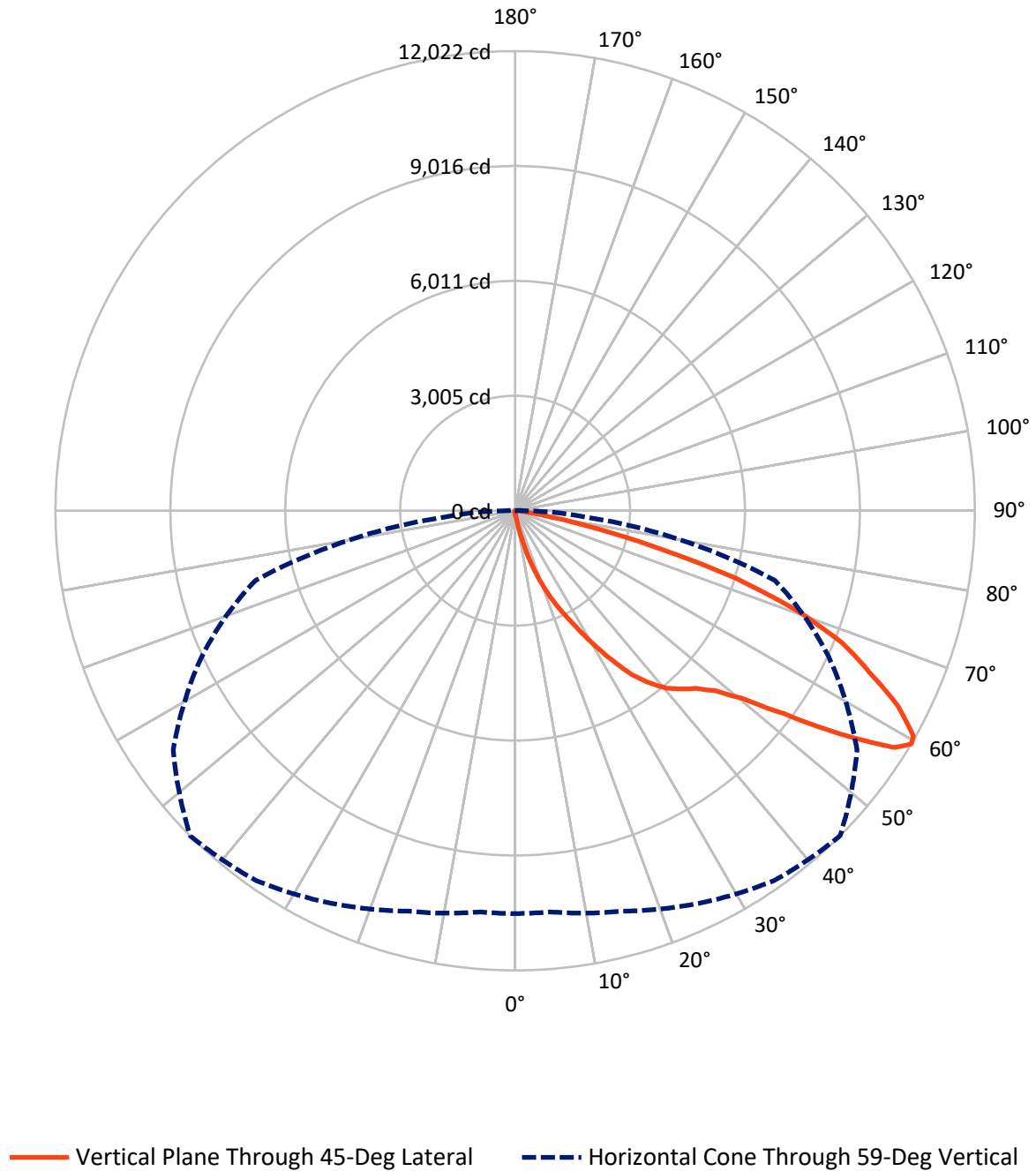
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.1 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	52.5	0.0	52.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14729.5	0.0	14729.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	14782.0	0.0	14782.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.1
10°-20°	163.4	1.1
20°-30°	587.1	4.0
30°-40°	1364.2	9.2
40°-50°	2325.1	15.7
50°-60°	3831.2	25.9
60°-70°	4429.7	30.0
70°-80°	1903.2	12.9
80°-90°	164.5	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°	14782.0	100.0
0°-180°	14782.0	100.0



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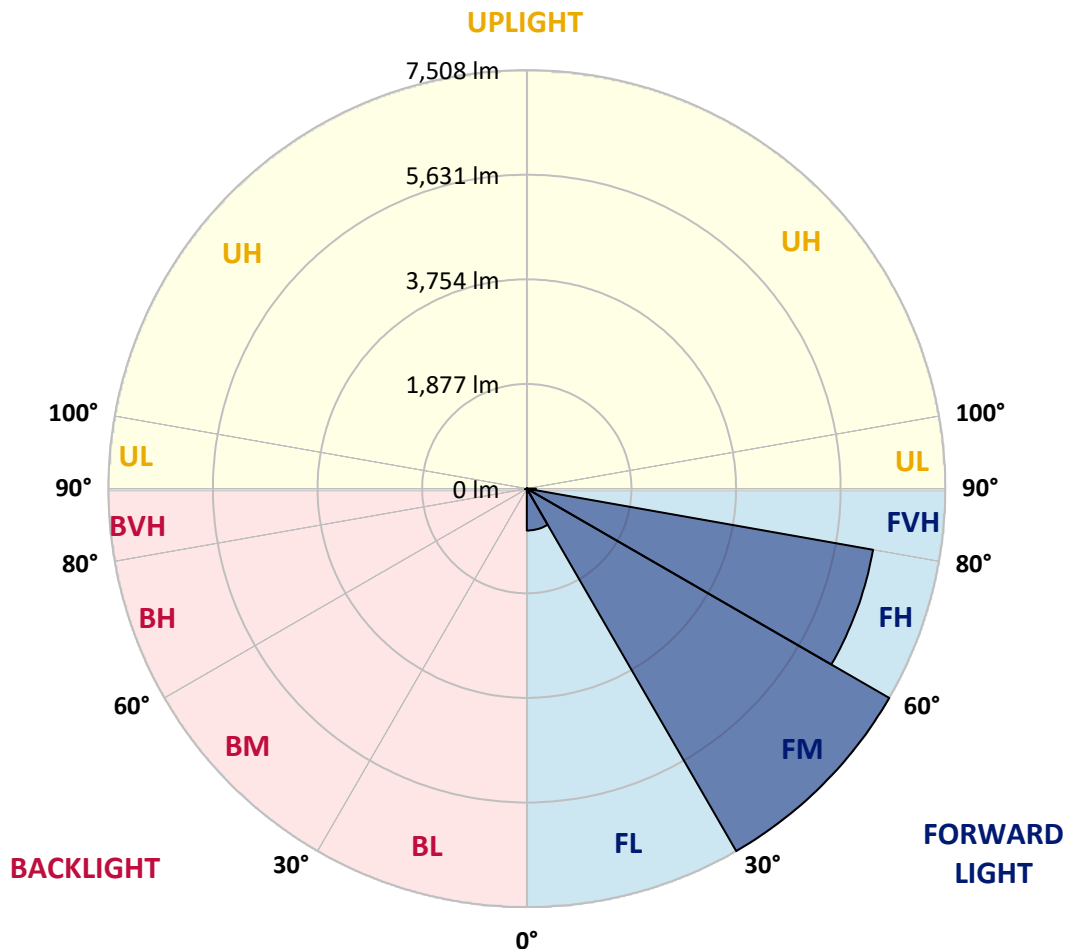
CATALOG NUMBER: NVN-SA4A-740-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	751.2	5.1			
FM	(30°-60°)	7507.8	50.8			
FH	(60°-80°)	6308.2	42.7			G3/7500
FVH	(80°-90°)	162.3	1.1			G2/225
BL	(0°-30°)	13.0	0.1	B0/110		
BM	(30°-60°)	12.7	0.1	B0/220		
BH	(60°-80°)	24.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.1	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°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2.5°	121.3	121.3	118.3	114.3	113.3	110.3	110.3	107.3	103.4	100.4	96.4
5°	175.9	174.9	167.0	157.0	144.1	136.2	136.2	125.2	115.3	106.4	98.4
7.5°	384.7	375.7	346.9	299.2	236.6	194.8	191.8	156.0	132.2	114.3	99.4
10°	882.6	851.8	811.1	696.8	514.9	359.8	352.9	227.6	158.0	123.2	101.4
12.5°	1446.2	1471.0	1389.5	1209.6	996.9	741.5	691.8	383.7	208.7	135.2	103.4
15°	1959.1	1953.1	1907.4	1760.3	1514.8	1174.8	1144.0	666.9	299.2	154.1	105.4
17.5°	2342.7	2335.8	2292.0	2197.6	2008.8	1668.8	1642.0	1063.5	469.1	180.9	107.3
20°	2747.3	2738.3	2676.7	2601.2	2436.2	2146.9	2115.1	1506.8	734.5	224.6	107.3
22.5°	3232.3	3215.4	3149.8	3021.6	2847.7	2596.2	2567.4	1960.1	1063.5	296.2	112.3
25°	3818.7	3789.9	3699.5	3584.2	3374.5	3040.5	3009.7	2465.0	1460.1	404.5	117.3
27.5°	4487.7	4492.6	4370.4	4175.6	3894.3	3553.4	3495.7	2917.2	1870.6	559.6	123.2
30°	5281.8	5232.1	5060.2	4833.6	4560.2	4125.9	4070.2	3367.5	2331.8	788.2	133.2
32.5°	6025.3	5971.6	5740.1	5454.8	5161.6	4703.4	4657.6	3873.4	2751.2	1058.6	151.1
35°	6663.4	6625.7	6301.6	5953.8	5693.3	5283.8	5269.9	4438.0	3244.2	1349.8	171.0
37.5°	7225.0	7156.4	6740.0	6379.2	6114.8	5748.0	5718.2	4954.8	3719.4	1687.7	200.8
40°	7704.1	7666.3	7158.4	6684.3	6469.6	6141.6	6103.8	5408.1	4210.4	2080.3	237.6
42.5°	8217.0	8167.3	7674.3	7142.5	6746.9	6396.1	6371.2	5781.8	4647.7	2511.7	292.2
45°	8796.4	8704.0	8271.6	7794.5	7193.2	6659.5	6631.6	6114.8	5096.0	2974.9	358.8
47.5°	9415.7	9335.2	8985.3	8650.3	7958.5	7093.8	7034.2	6398.0	5541.3	3509.6	443.3
50°	10045.8	10047.8	9785.4	9624.4	8893.8	7799.5	7715.0	6814.5	6009.4	4082.1	568.5
52.5°	10779.4	10798.3	10794.3	10675.0	10108.5	8953.5	8840.2	7446.7	6553.1	4750.1	741.5
55°	11086.5	11120.3	11340.0	11604.3	11450.3	10416.6	10295.3	8537.0	7273.7	5494.5	997.9
57.5°	10835.0	10872.8	11176.0	11639.1	11993.0	11697.8	11683.9	9956.4	8222.9	6397.1	1417.4
59°	10535.9	10530.9	10842.0	11333.0	11810.1	12001.9	12021.8	10916.5	9049.9	7030.2	1779.2
60°	10337.1	10341.0	10547.8	11051.7	11558.6	11891.6	11969.1	11482.1	9533.0	7485.4	2089.3
62.5°	9569.7	9615.5	9779.5	10247.6	10728.7	11100.4	11232.6	11986.0	10915.5	8560.9	3167.7
65°	8735.8	8738.8	8972.4	9372.9	9834.1	10095.5	10179.0	11201.8	11838.9	9656.2	4582.1
67.5°	7247.9	7308.5	7573.9	8222.9	8832.2	9163.2	9226.8	9750.6	11456.2	10369.9	5290.8
70°	5072.1	5151.6	5530.3	6372.2	7279.7	7823.4	7819.4	8105.6	10082.6	10051.8	4485.7
72.5°	2532.6	2669.7	2978.9	3880.4	4979.7	5833.5	6013.4	6520.3	8099.7	8349.2	3346.6
75°	1119.2	1127.1	1303.1	1757.3	2474.9	3559.3	3720.3	5175.5	6214.2	5802.7	2417.3
77.5°	651.0	657.0	688.8	789.2	1002.9	1744.4	1925.3	3394.3	4391.3	3372.5	1576.4
80°	236.6	242.5	241.5	299.2	439.3	686.8	765.3	1645.0	2929.2	1776.2	826.0
82.5°	145.1	145.1	140.1	141.1	160.0	263.4	288.2	700.7	1426.3	874.7	236.6
85°	71.6	75.5	80.5	90.4	107.3	130.2	138.2	200.8	480.1	211.7	56.7
87.5°	42.7	43.7	47.7	57.6	71.6	93.4	99.4	136.2	172.0	142.1	13.9
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-SA4A-740-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
2.5°	94.4	93.4	88.5	84.5	80.5	76.5	73.6	70.6	70.6	71.6	70.6
5°	94.4	90.4	82.5	75.5	69.6	64.6	59.6	55.7	54.7	54.7	55.7
7.5°	93.4	88.5	77.5	68.6	60.6	53.7	48.7	43.7	42.7	43.7	42.7
10°	92.4	86.5	73.6	62.6	51.7	44.7	37.8	32.8	32.8	32.8	33.8
12.5°	92.4	83.5	69.6	56.7	44.7	36.8	29.8	24.8	23.9	23.9	23.9
15°	91.4	81.5	65.6	49.7	37.8	27.8	21.9	16.9	16.9	16.9	16.9
17.5°	89.5	78.5	60.6	43.7	29.8	20.9	14.9	9.9	9.9	11.9	11.9
20°	87.5	75.5	54.7	35.8	24.8	15.9	9.9	6.0	6.0	8.9	9.9
22.5°	88.5	75.5	50.7	31.8	19.9	11.9	8.0	5.0	4.0	7.0	8.9
25°	89.5	73.6	45.7	27.8	14.9	8.9	6.0	2.0	1.0	2.0	3.0
27.5°	89.5	71.6	39.8	21.9	10.9	7.0	3.0	0.0	0.0	0.0	0.0
30°	88.5	68.6	34.8	17.9	8.0	4.0	1.0	0.0	0.0	0.0	0.0
32.5°	87.5	65.6	31.8	13.9	7.0	2.0	0.0	0.0	0.0	0.0	0.0
35°	88.5	61.6	27.8	10.9	4.0	0.0	0.0	0.0	0.0	0.0	2.0
37.5°	91.4	57.6	23.9	8.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	95.4	54.7	19.9	7.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	103.4	54.7	17.9	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	113.3	54.7	14.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	126.2	55.7	12.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	142.1	57.6	11.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	154.1	55.7	10.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	174.9	53.7	9.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	202.8	50.7	9.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	230.6	46.7	9.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	262.4	44.7	8.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	433.4	39.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	836.9	37.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1352.8	37.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1422.3	37.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	946.2	30.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	506.9	27.8	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	273.3	25.8	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	120.3	18.9	5.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	47.7	12.9	6.0	5.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
85°	22.9	9.9	8.0	7.0	5.0	3.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.9	9.9	8.9	8.0	7.0	5.0	1.0	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

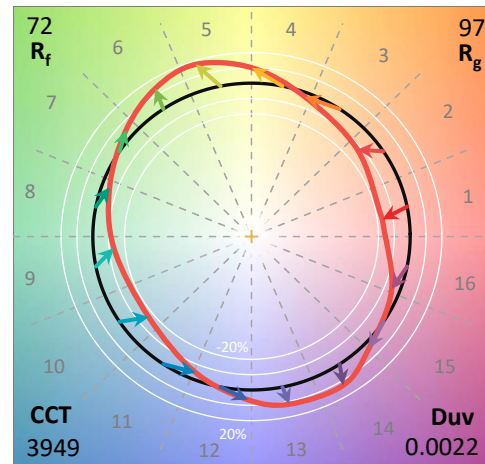
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

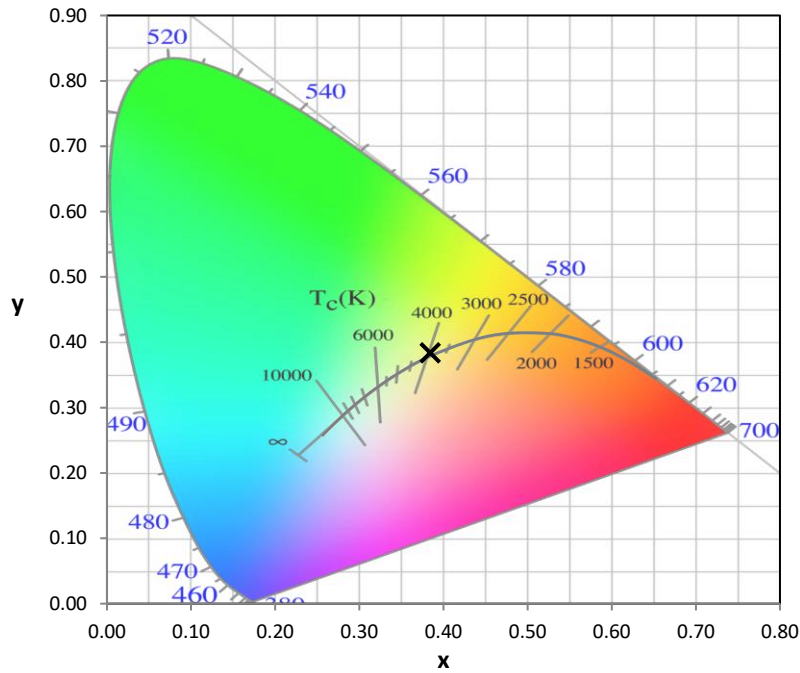
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

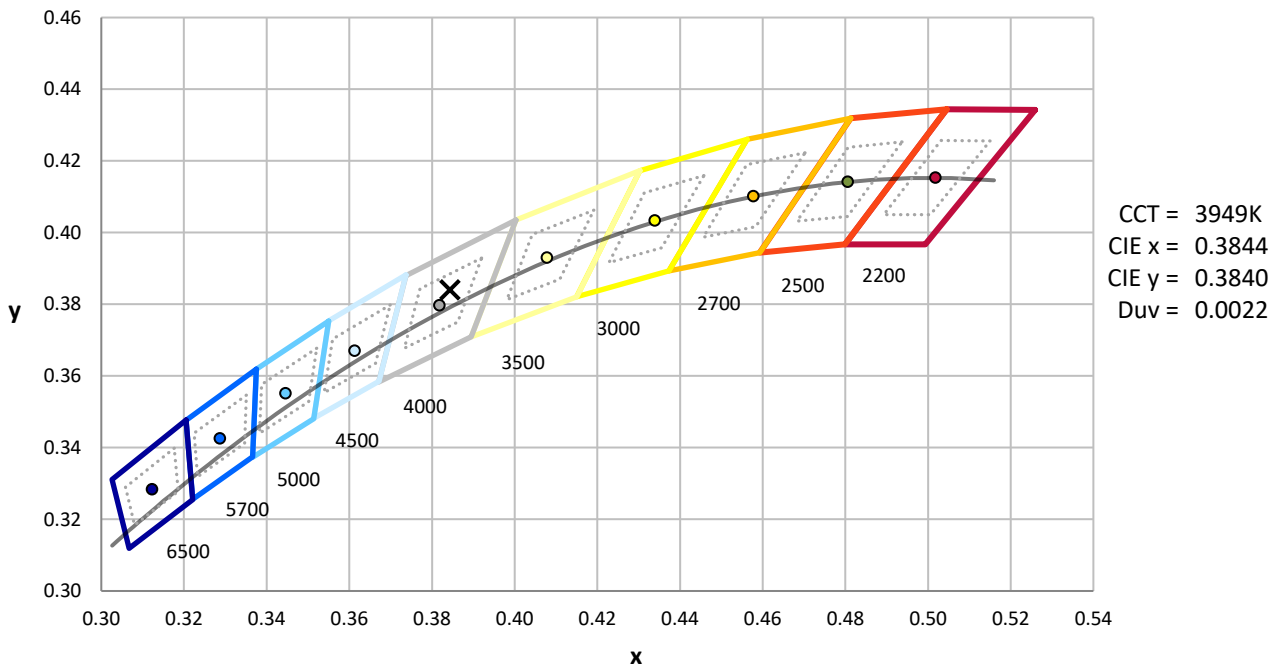
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



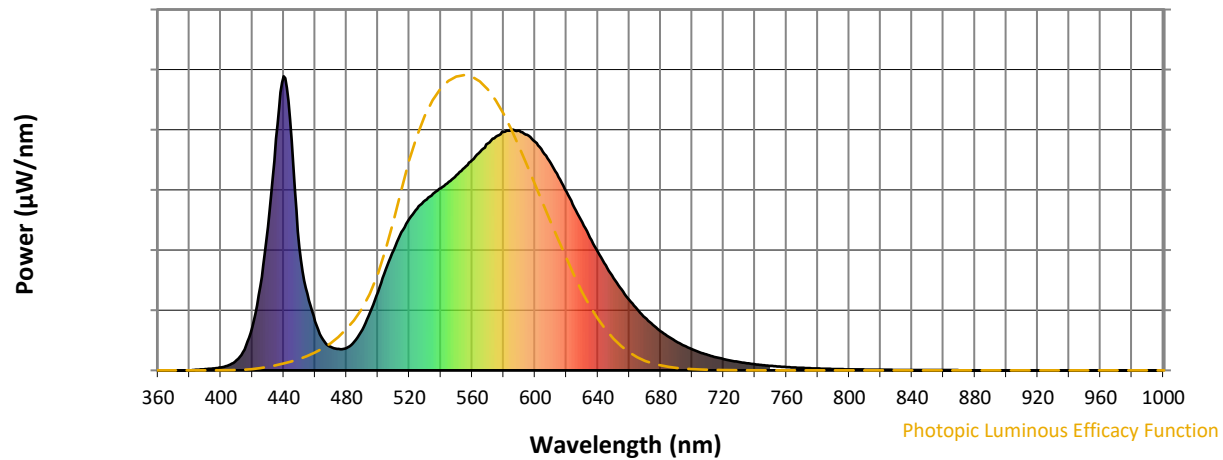
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

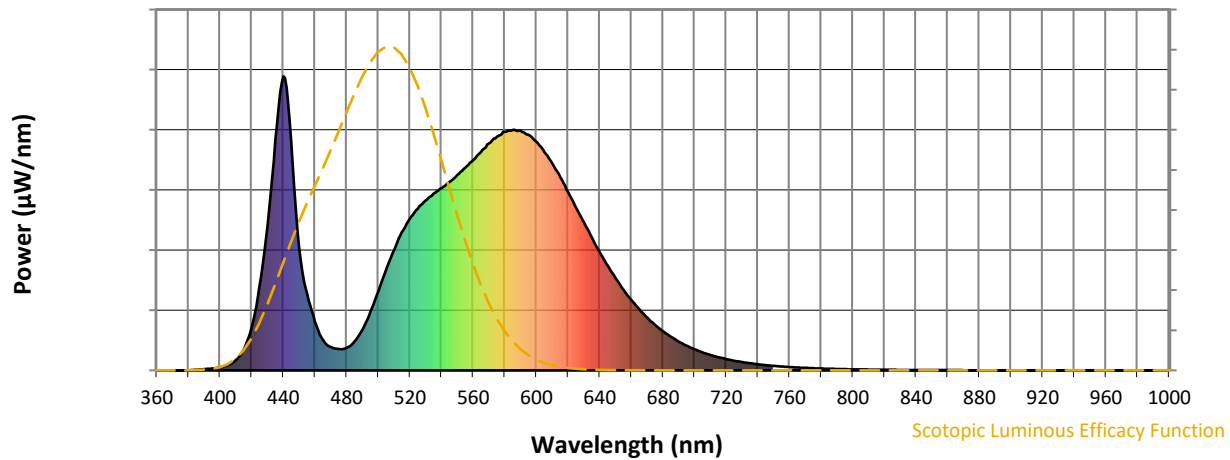


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength



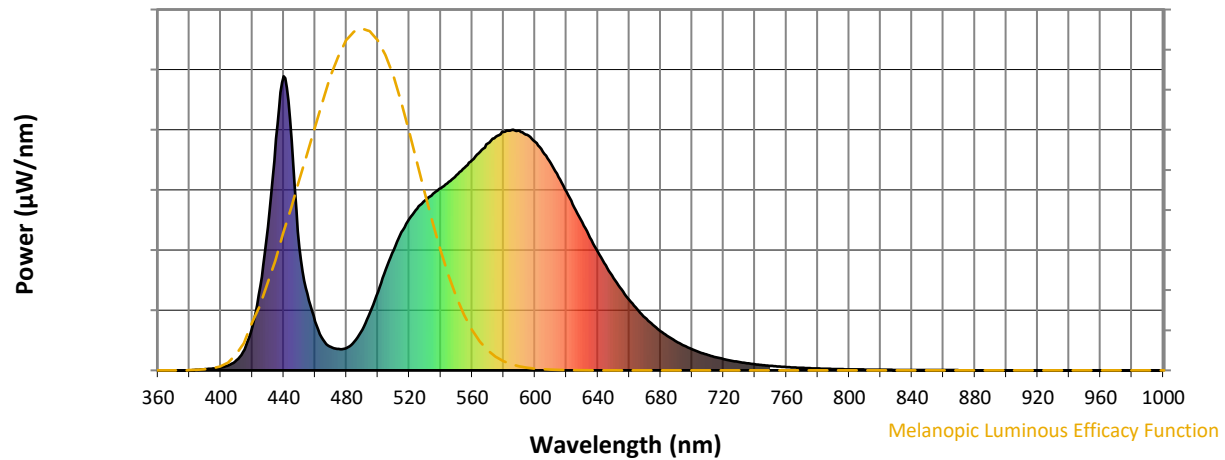
Scotopic Lumens: NR

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

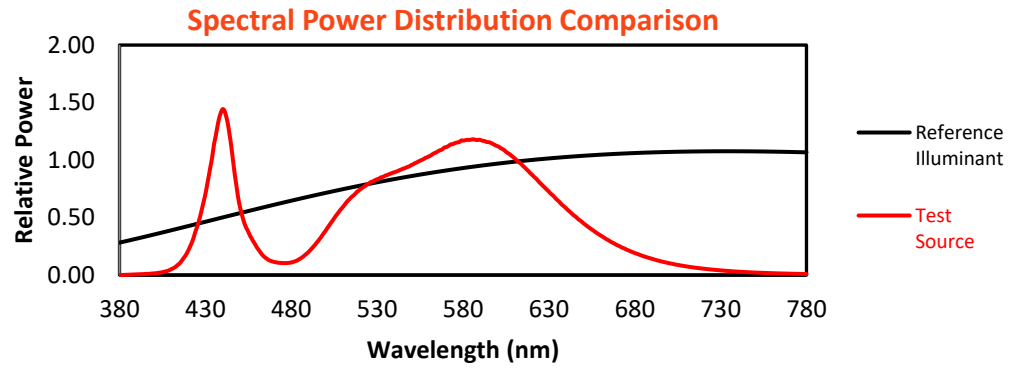
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267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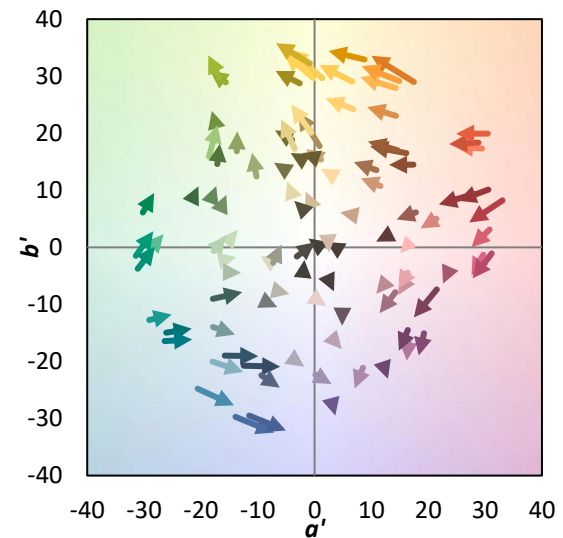
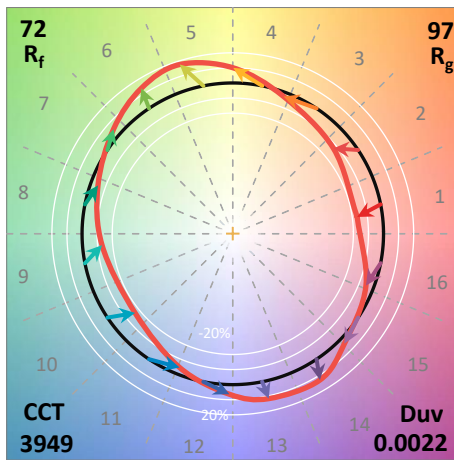
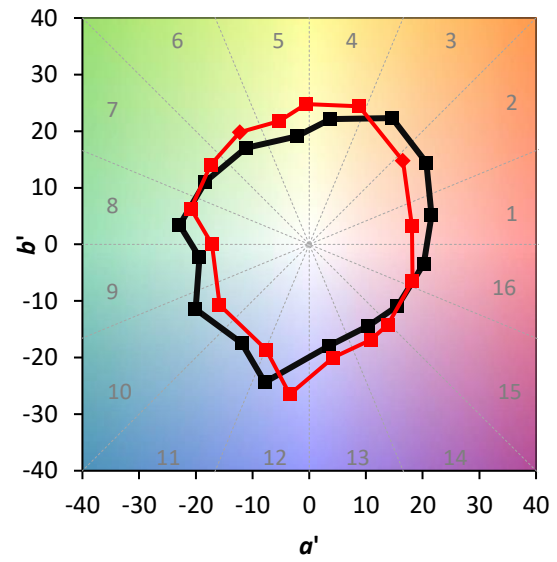
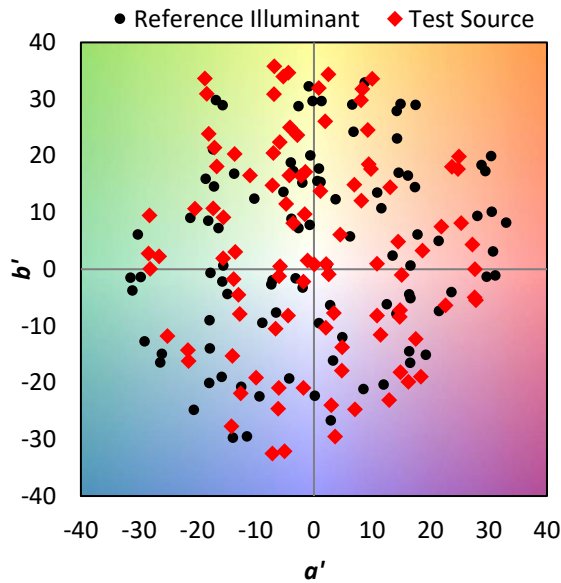
TM-30-18

Summary

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

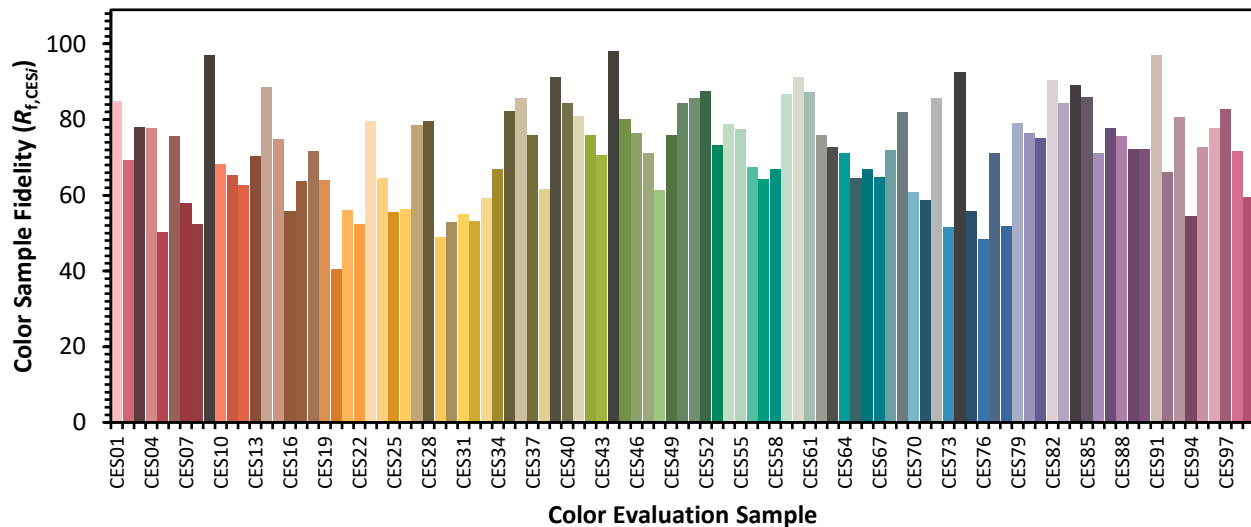


Color Vector Graphics

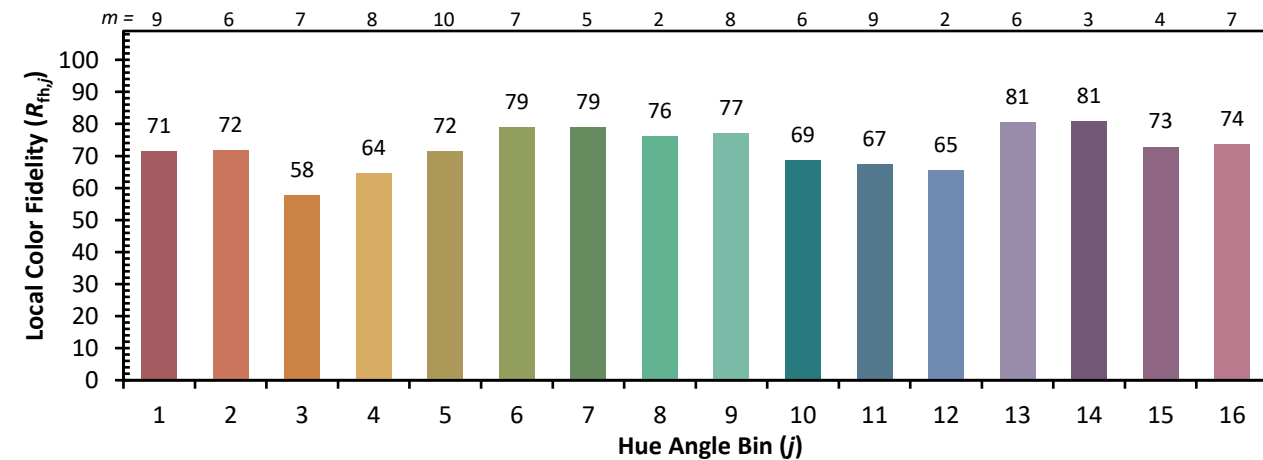
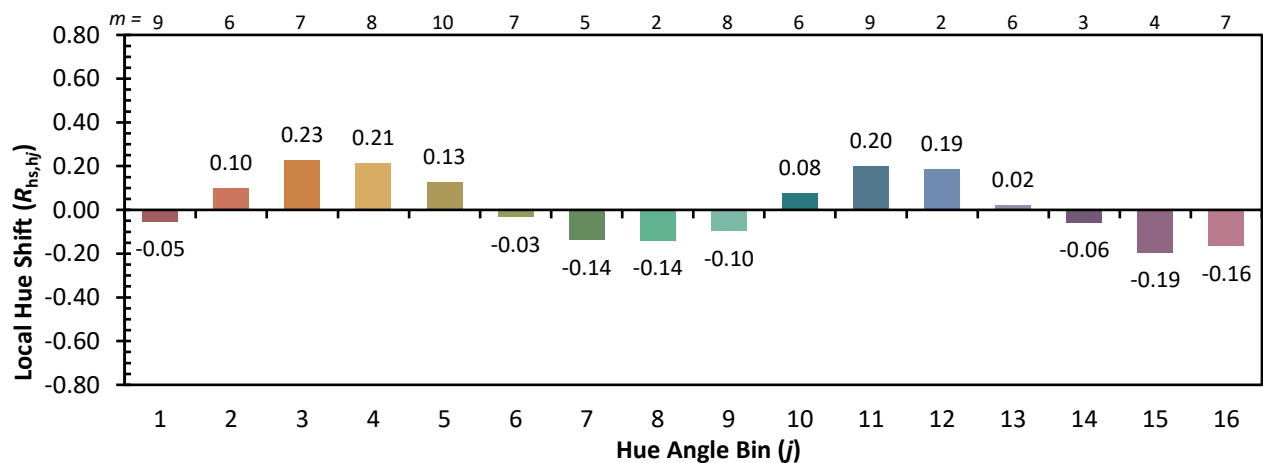
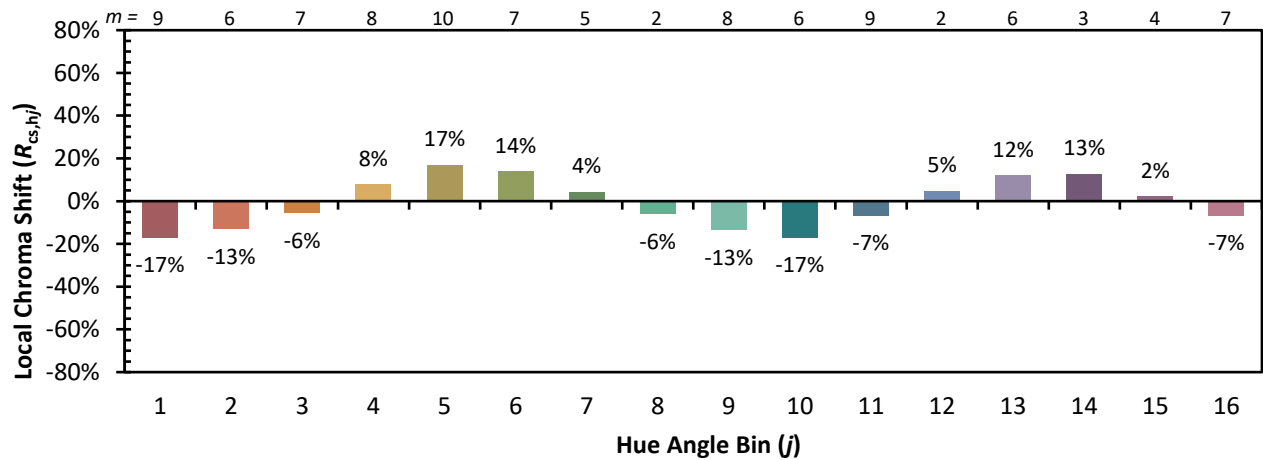


Individual Sample Fidelity Index ($R_{f,i}$)

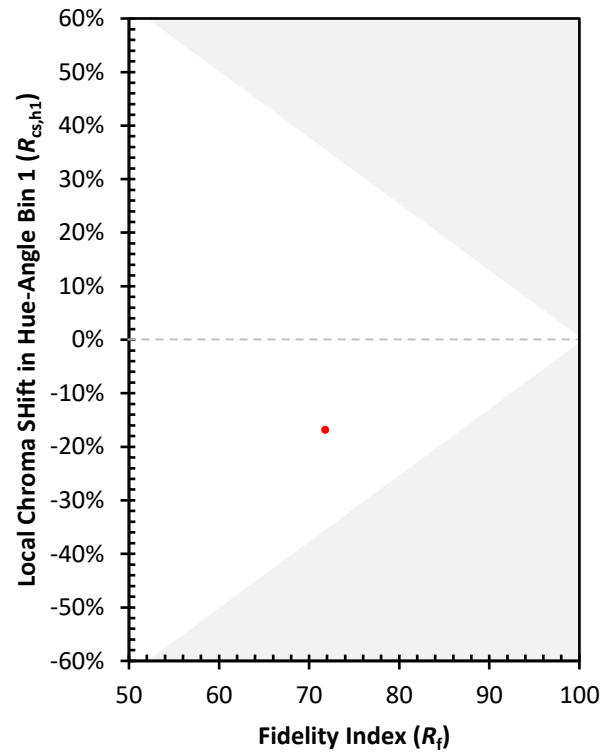
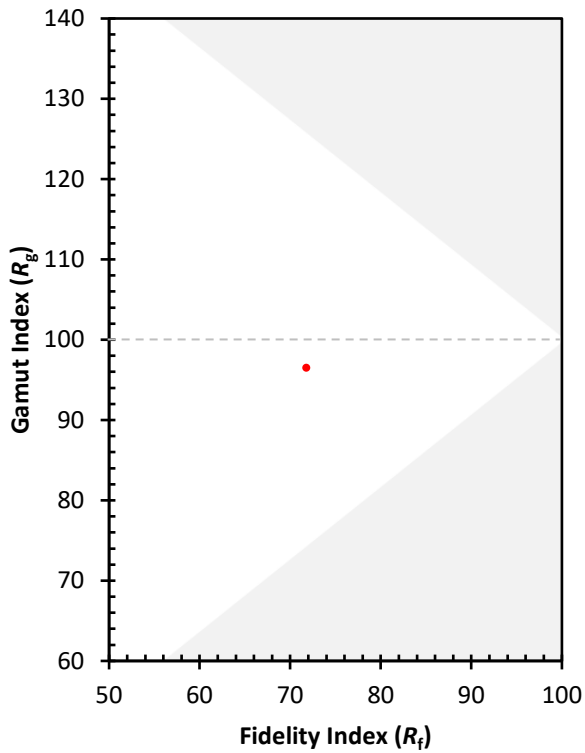
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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