

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: P1066204

Luminaire Tested: **NVN-SA4D-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066204
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4D-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24214.5 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 218.9
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

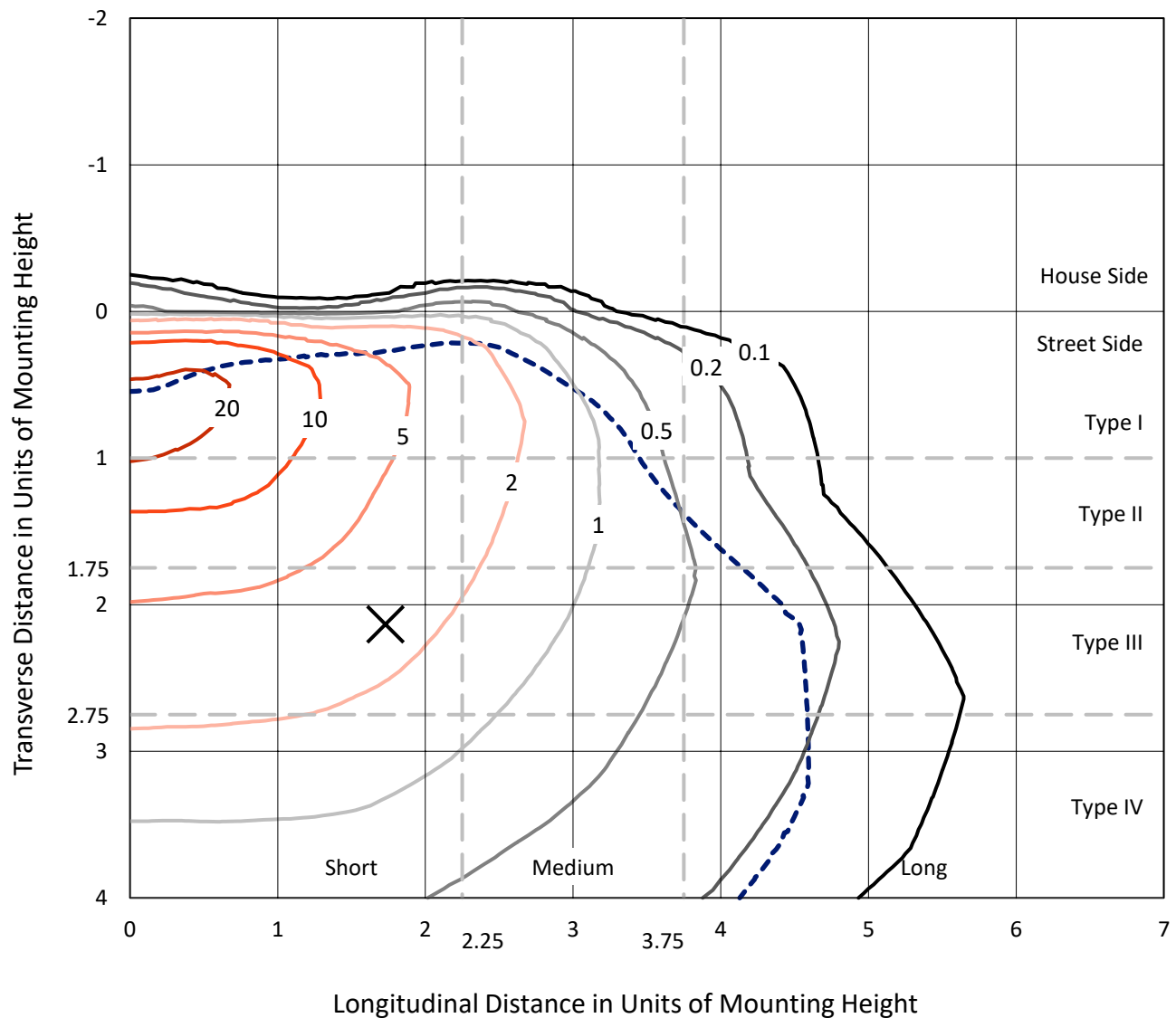


REPORT NUMBER: P1066204

CATALOG NUMBER: NVN-SA4D-740-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

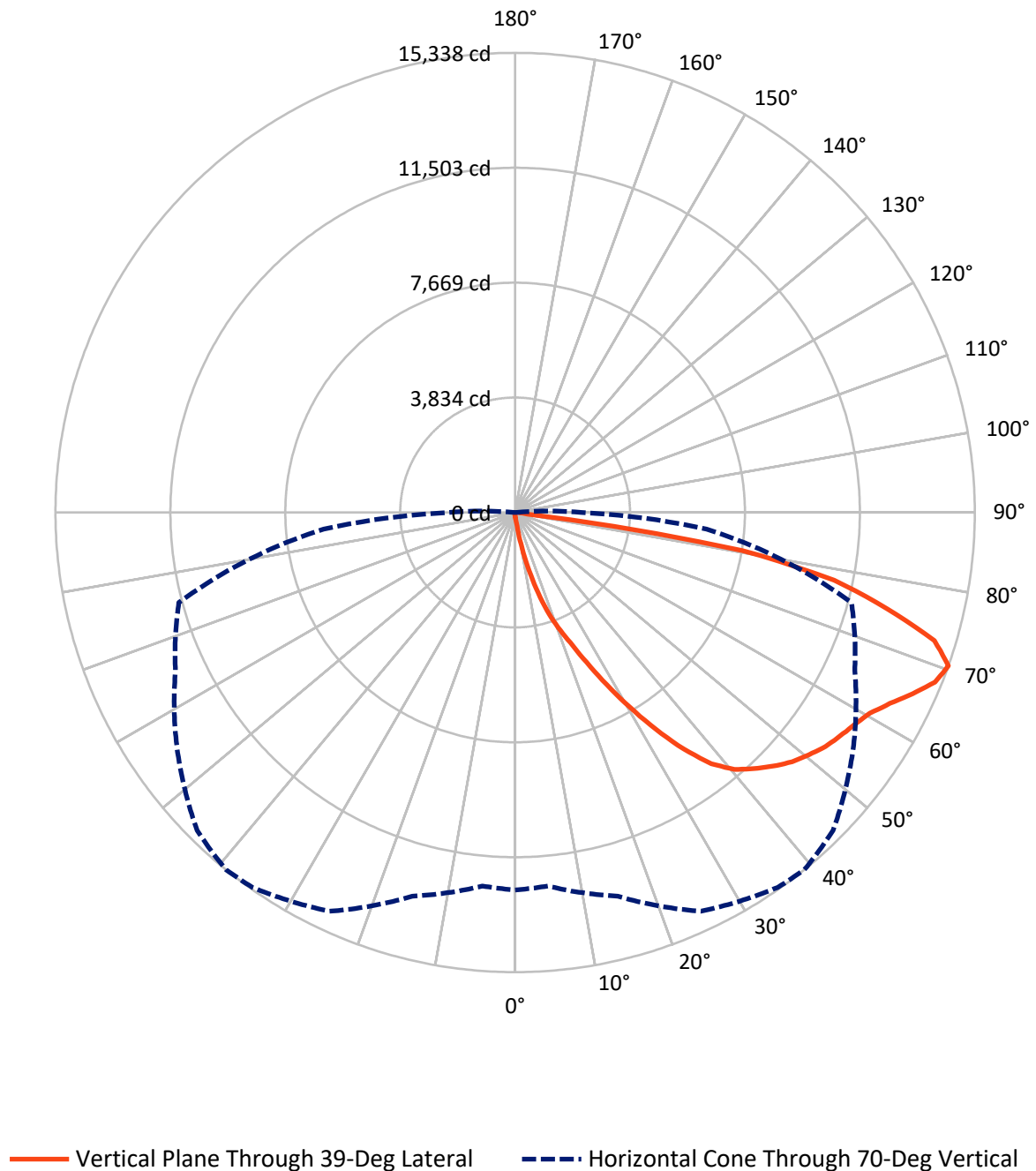


Based on 15 foot mounting height. Maximum calculated value = 26.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P1066204

CATALOG NUMBER: NVN-SA4D-740-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1066204

CATALOG NUMBER: NVN-SA4D-740-U-T4BC

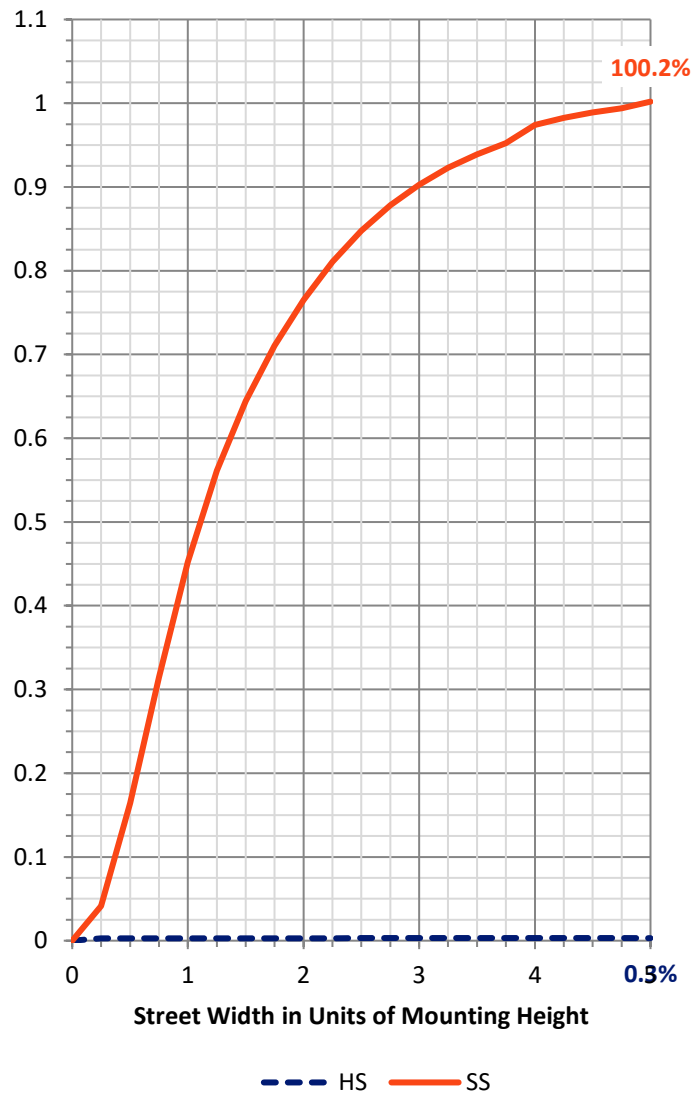
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	74.6	0.0	74.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	24139.9	0.0	24139.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	24214.5	0.0	24214.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	0.1
10°-20°	297.7	1.2
20°-30°	1010.2	4.2
30°-40°	2374.1	9.8
40°-50°	3855.1	15.9
50°-60°	4885.2	20.2
60°-70°	6205.5	25.6
70°-80°	5042.0	20.8
80°-90°	519.2	2.1
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°	24214.5	100.0
0°-180°	24214.5	100.0



REPORT NUMBER: P1066204

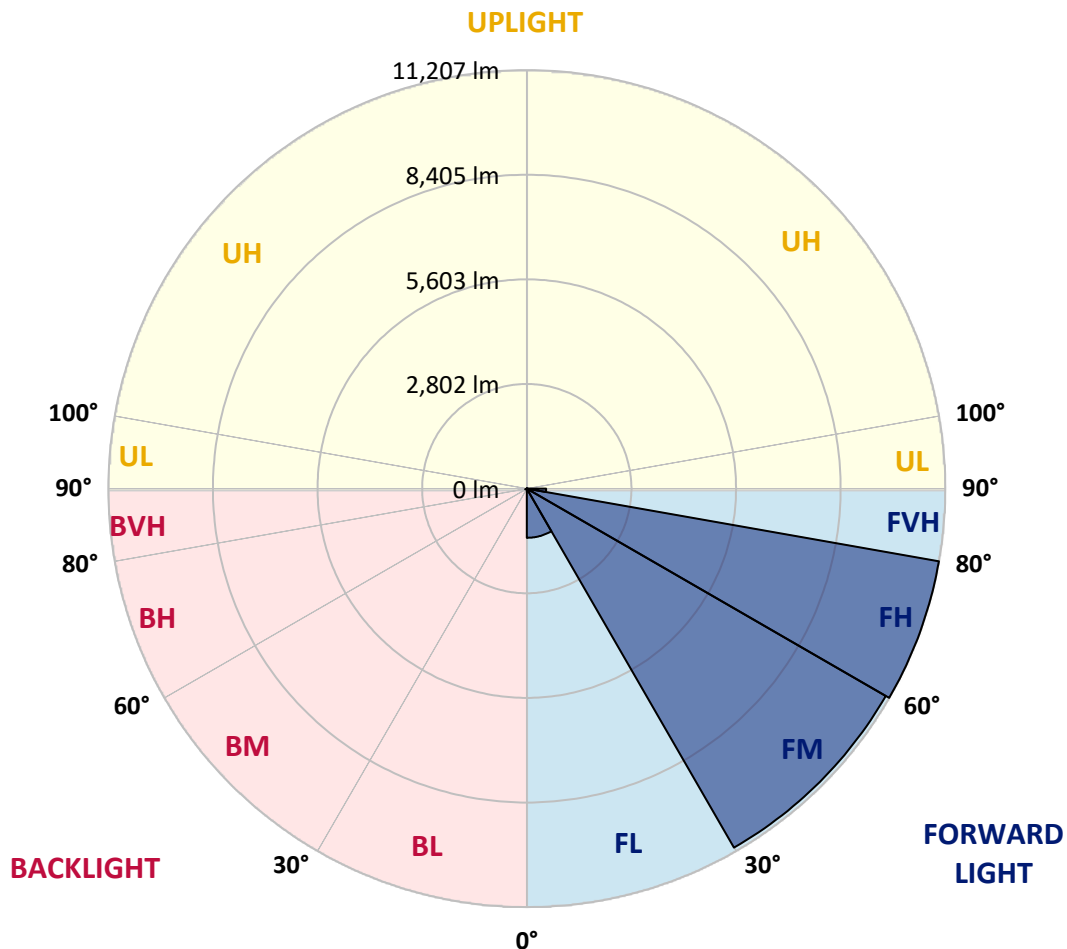
CATALOG NUMBER: NVN-SA4D-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1317.2	5.4			
FM	(30°-60°)	11100.2	45.8			
FH	(60°-80°)	11206.5	46.3			G4/12000
FVH	(80°-90°)	516.0	2.1			G4/750
BL	(0°-30°)	16.1	0.1	B0/110		
BM	(30°-60°)	14.3	0.1	B0/220		
BH	(60°-80°)	41.0	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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-G4

Type IV Short





REPORT NUMBER: P1066204

CATALOG NUMBER: NVN-SA4D-740-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	170.9	170.9	170.9	164.4	164.4	157.8	157.8	151.2	144.6	144.6	138.1
5°	322.1	328.7	309.0	269.5	243.2	230.1	216.9	184.1	164.4	151.2	138.1
7.5°	880.9	854.6	815.2	683.7	525.9	447.0	381.3	269.5	197.2	157.8	138.1
10°	1853.9	1781.6	1669.8	1492.3	1183.3	1058.4	821.8	493.1	276.1	177.5	138.1
12.5°	2721.7	2734.8	2596.8	2425.9	2051.1	1840.8	1518.6	927.0	433.9	210.4	138.1
15°	3379.1	3366.0	3313.4	3175.3	2840.0	2636.2	2347.0	1558.1	729.7	263.0	144.6
17.5°	3898.5	3845.9	3826.2	3767.0	3550.0	3438.3	3122.7	2294.4	1157.1	355.0	151.2
20°	4417.8	4404.7	4385.0	4319.2	4174.6	4095.7	3852.5	3037.3	1722.4	506.2	164.4
22.5°	5173.9	5101.5	5114.7	4970.1	4851.7	4713.7	4516.4	3826.2	2373.3	723.2	184.1
25°	6061.4	6054.8	5949.6	5883.9	5686.6	5535.4	5272.5	4588.8	3096.4	1045.3	203.8
27.5°	7106.7	7034.3	6988.3	6876.6	6672.8	6501.8	6140.3	5344.8	3878.8	1406.9	230.1
30°	8198.0	8198.0	8112.5	7941.6	7744.4	7534.0	7165.8	6140.3	4654.5	1867.1	263.0
32.5°	9473.4	9499.7	9289.3	9032.9	8776.5	8631.9	8152.0	7040.9	5397.4	2393.0	302.4
35°	10709.3	10676.4	10328.0	10045.3	9854.7	9696.9	9289.3	8027.0	6238.9	3004.4	355.0
37.5°	11892.6	11807.2	11228.7	10827.6	10742.2	10637.0	10229.4	9013.2	7073.8	3681.5	420.7
40°	12740.7	12609.2	12011.0	11458.8	11333.8	11274.7	10959.1	9907.3	7954.7	4437.6	506.2
42.5°	13108.9	12957.7	12543.5	12096.4	11820.3	11682.3	11406.2	10637.0	8835.7	5279.0	631.1
45°	13181.2	13062.8	12767.0	12661.8	12287.1	12076.7	11702.0	11156.3	9657.4	6114.0	802.0
47.5°	12918.2	12865.6	12688.1	12911.6	12721.0	12431.7	11978.1	11544.2	10387.2	7126.4	1038.7
50°	12273.9	12234.5	12320.0	12905.1	13036.5	12707.8	12280.5	11846.6	11018.3	8171.7	1374.0
52.5°	11406.2	11399.6	11800.6	12734.1	13174.6	12970.8	12576.4	12149.0	11517.9	9184.1	1847.3
55°	10459.5	10571.2	11274.7	12576.4	13253.5	13161.5	12865.6	12418.6	11965.0	10124.2	2609.9
57.5°	10380.6	10334.6	11011.7	12510.6	13299.5	13352.1	13154.9	12701.3	12346.3	10893.4	3628.9
60°	11169.5	11064.3	11320.7	12648.7	13503.3	13595.4	13444.1	12918.2	12727.6	11498.2	4970.1
62.5°	12083.3	11984.7	12116.2	13181.2	13904.3	14035.8	13845.2	13141.7	13036.5	11918.9	6409.8
65°	12813.0	12734.1	12984.0	13976.7	14463.1	14574.9	14443.4	13555.9	13174.6	12260.8	7580.0
67.5°	12931.4	12832.8	13352.1	14509.2	15028.5	15107.4	15002.2	13956.9	13128.6	12287.1	7849.5
70°	12596.1	12510.6	13253.5	14680.1	15271.8	15337.5	15002.2	13766.3	12504.0	11616.5	6416.4
72.5°	11563.9	11629.7	12589.5	14265.9	14936.5	14634.1	13924.1	12806.5	11695.4	9848.1	4503.3
75°	9959.8	10032.2	11307.5	13128.6	13181.2	12813.0	12431.7	11780.9	10466.1	6488.7	3122.7
77.5°	7080.4	6824.0	8730.5	10840.8	10650.1	10886.8	10919.7	9802.1	8763.3	3379.1	2090.6
80°	696.9	591.7	1097.9	3109.6	6870.0	7678.6	7994.2	7553.7	6462.4	1512.1	1097.9
82.5°	151.2	151.2	164.4	177.5	276.1	414.2	1899.9	4654.5	4174.6	769.2	355.0
85°	85.5	85.5	105.2	124.9	164.4	184.1	216.9	289.3	1124.2	276.1	65.7
87.5°	65.7	72.3	85.5	105.2	138.1	151.2	184.1	230.1	282.7	256.4	19.7
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: P1066204

CATALOG NUMBER: NVN-SA4D-740-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	138.1	131.5	124.9	118.3	111.8	111.8	105.2	105.2	105.2	105.2	105.2
5°	131.5	124.9	118.3	105.2	98.6	92.0	85.5	85.5	85.5	85.5	85.5
7.5°	131.5	124.9	111.8	98.6	85.5	78.9	72.3	65.7	65.7	72.3	72.3
10°	131.5	118.3	98.6	85.5	72.3	65.7	59.2	52.6	52.6	52.6	52.6
12.5°	124.9	111.8	92.0	78.9	65.7	52.6	39.4	32.9	32.9	32.9	32.9
15°	118.3	105.2	85.5	65.7	46.0	32.9	26.3	19.7	19.7	19.7	19.7
17.5°	118.3	98.6	78.9	59.2	32.9	19.7	13.1	6.6	6.6	6.6	13.1
20°	118.3	98.6	72.3	46.0	19.7	13.1	13.1	6.6	0.0	6.6	6.6
22.5°	118.3	92.0	59.2	32.9	19.7	13.1	6.6	0.0	0.0	0.0	0.0
25°	124.9	92.0	52.6	26.3	13.1	6.6	0.0	0.0	0.0	0.0	0.0
27.5°	124.9	85.5	46.0	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	131.5	85.5	39.4	13.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	131.5	78.9	26.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	131.5	72.3	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	131.5	65.7	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	138.1	59.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	144.6	52.6	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	151.2	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	170.9	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	197.2	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	236.7	46.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	309.0	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	447.0	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	749.5	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1314.8	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2222.1	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2899.2	46.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2202.3	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1051.9	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	466.8	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	203.8	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	78.9	13.1	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0
82.5°	32.9	13.1	6.6	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0
85°	19.7	13.1	13.1	13.1	6.6	6.6	6.6	0.0	0.0	0.0	0.0
87.5°	13.1	13.1	13.1	13.1	13.1	6.6	6.6	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

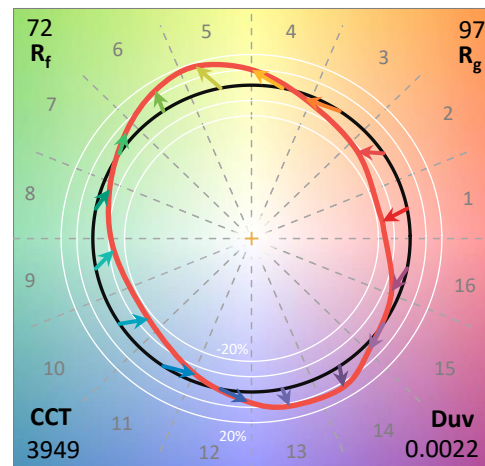
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

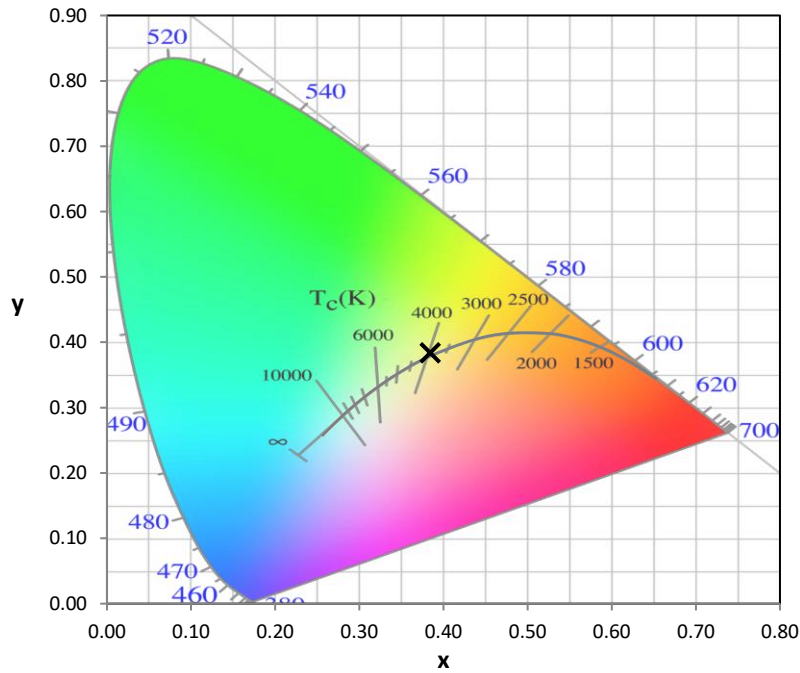
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

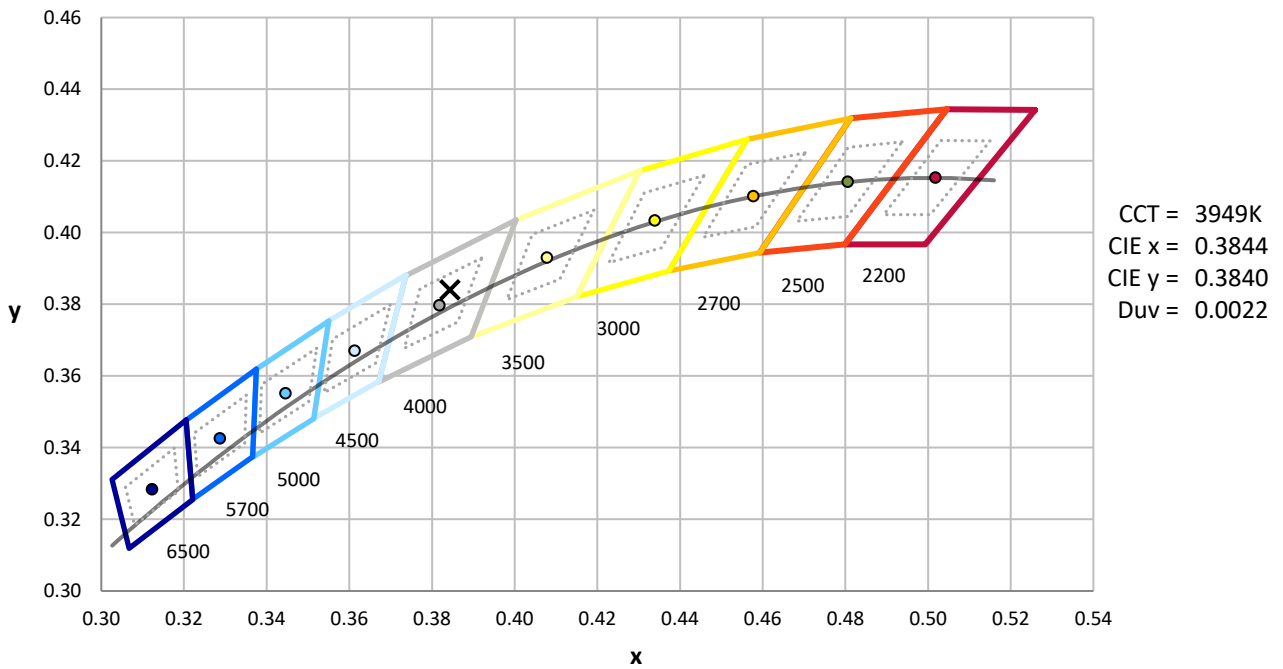
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



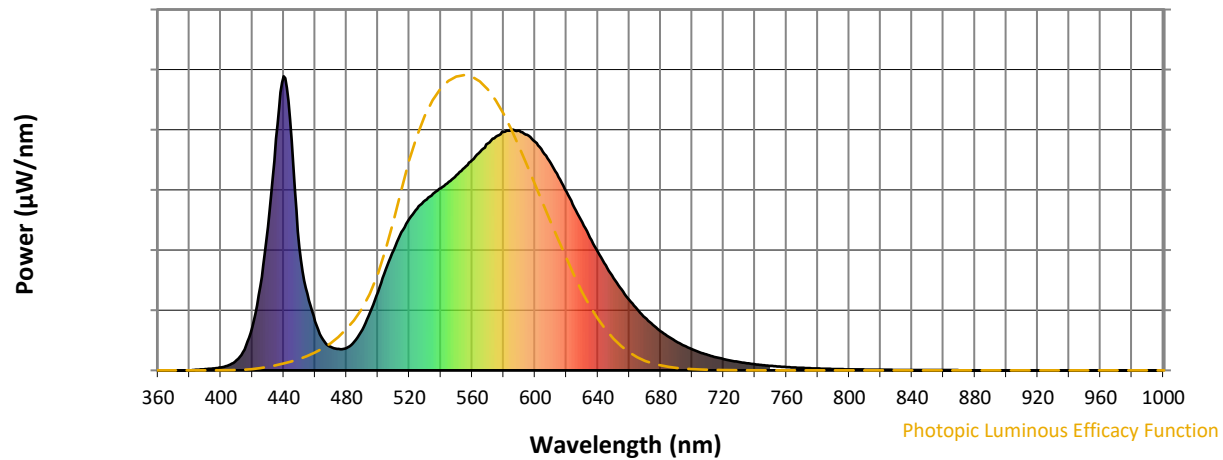
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

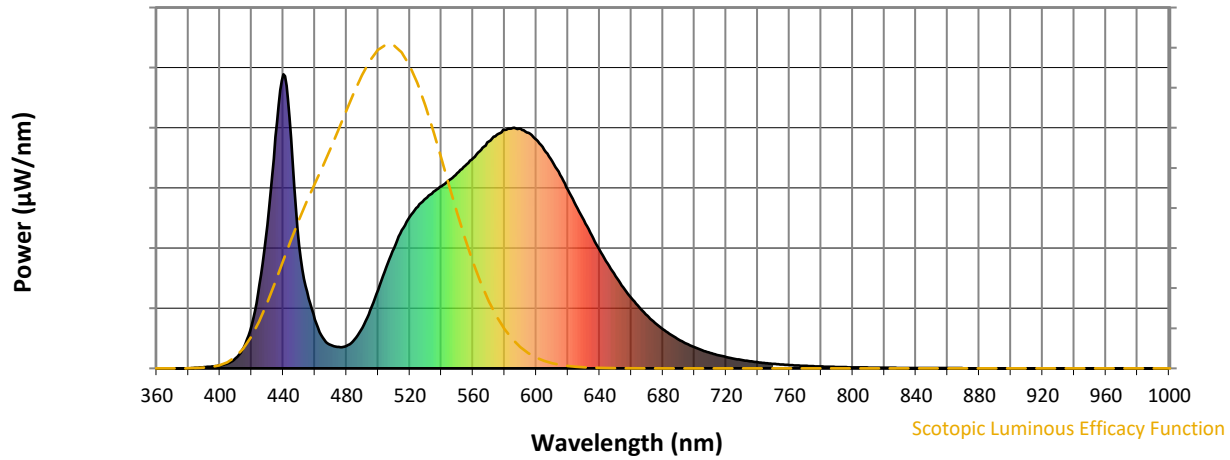


Photopic Lumens: NR

λ (nm)	Power W ^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

Scotopic Flux vs. Wavelength



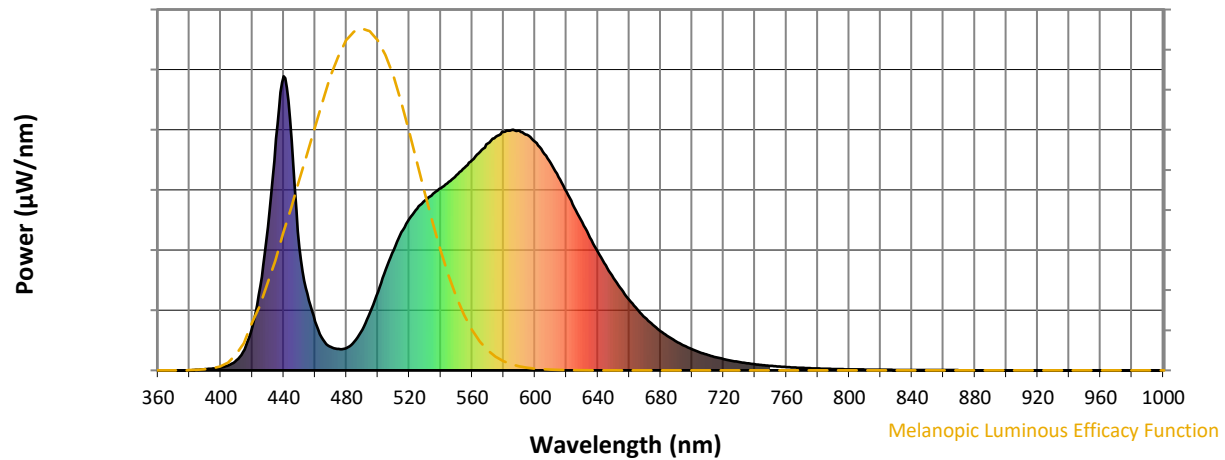
Scotopic Lumens: NR

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

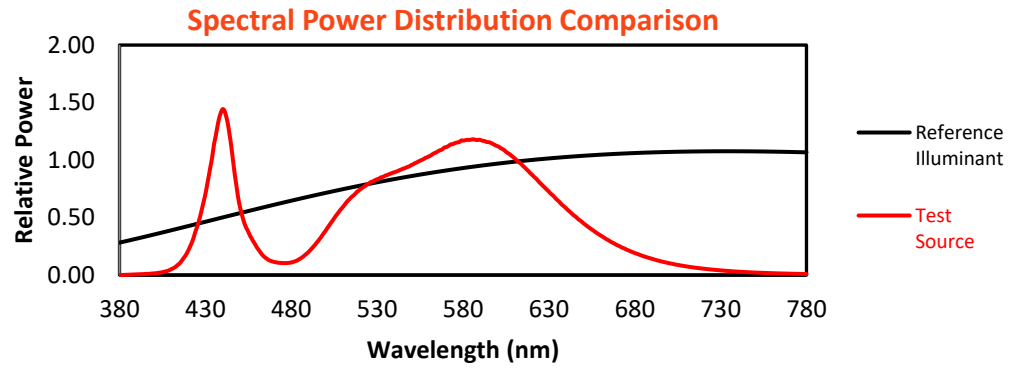
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607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

REPORT NUMBER: SP1-2407-184-1

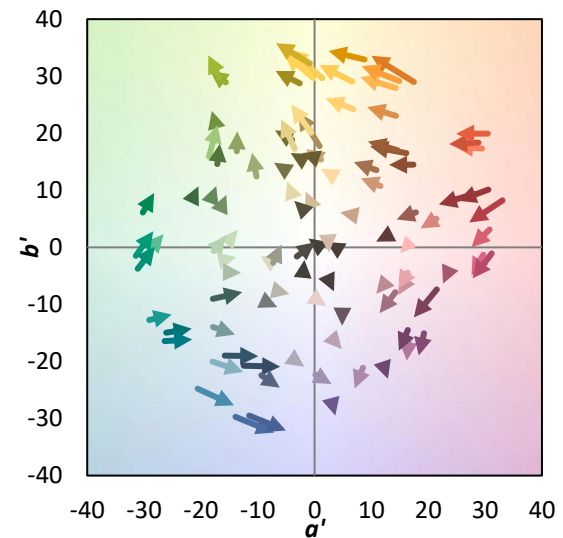
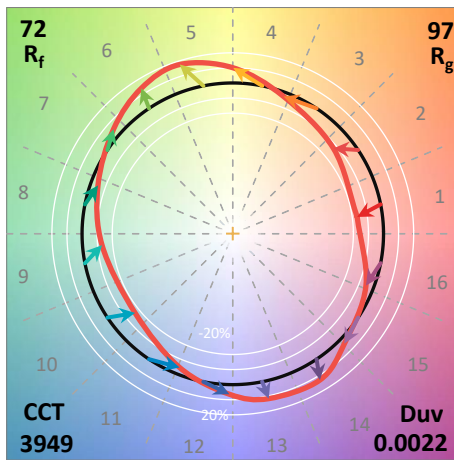
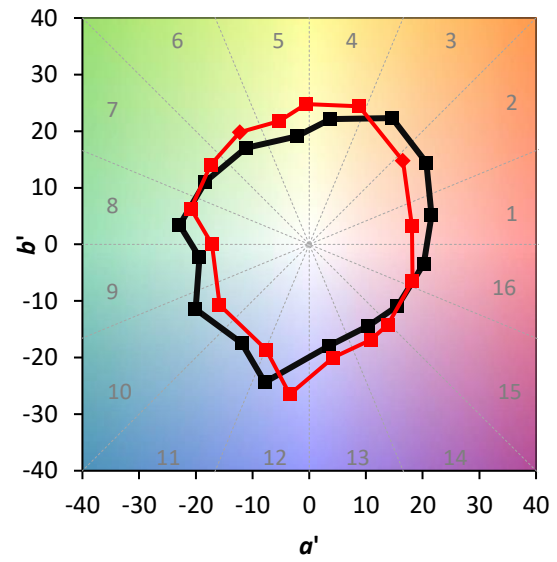
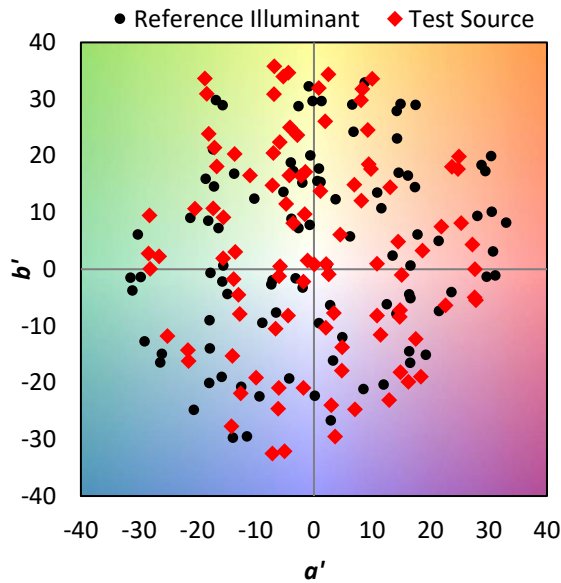
TM-30-18

Summary

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

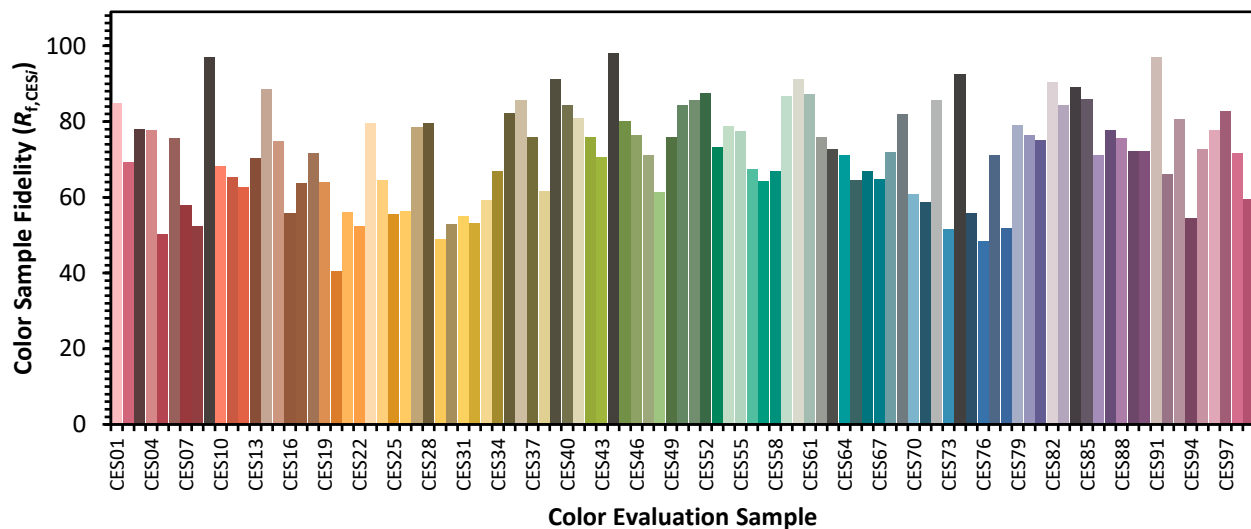


Color Vector Graphics

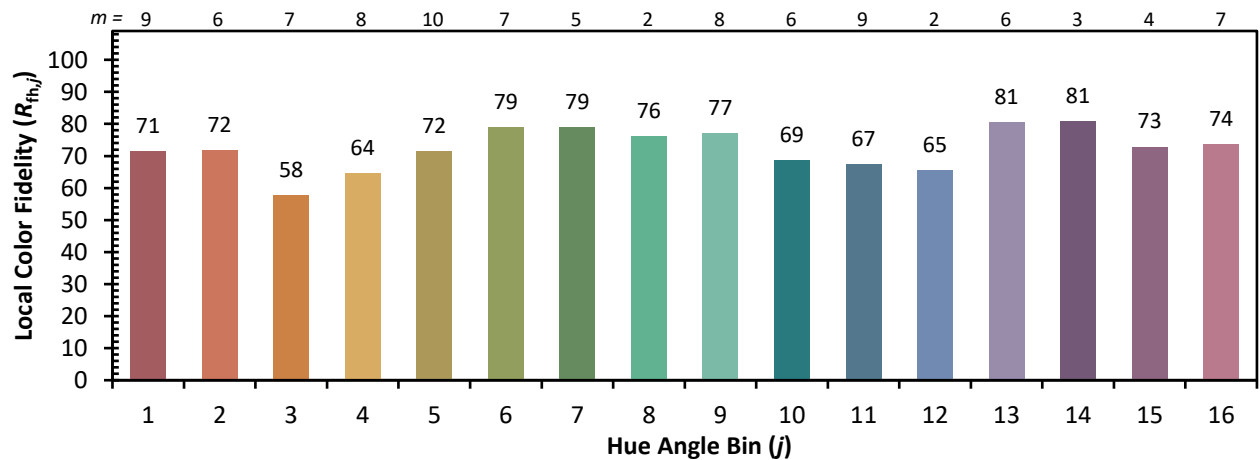
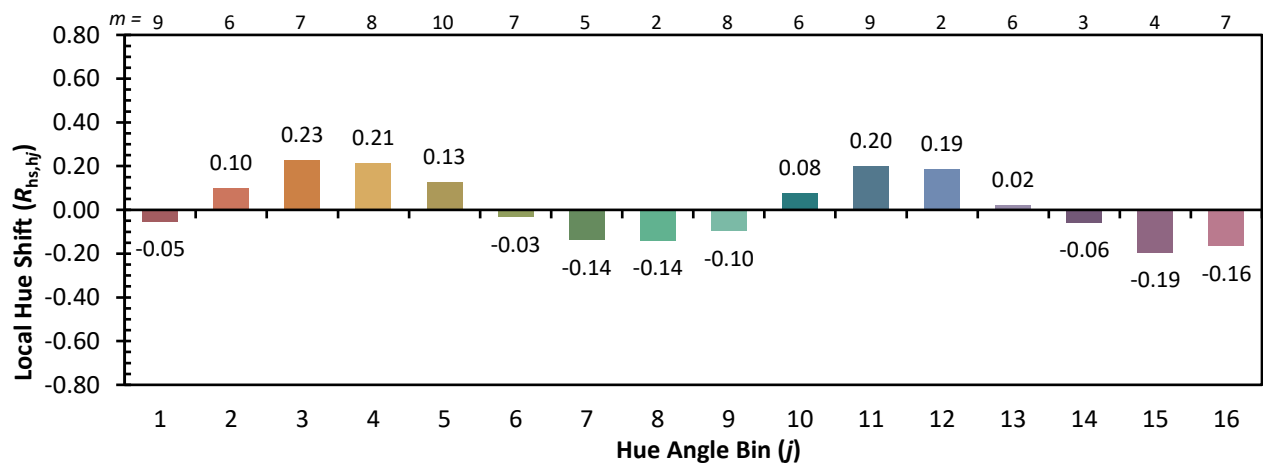
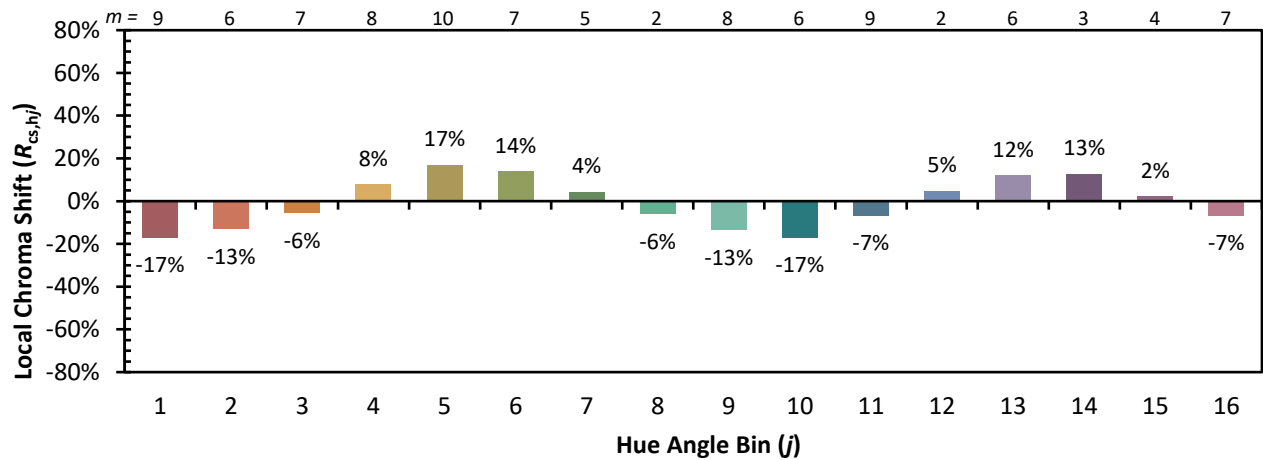


Individual Sample Fidelity Index ($R_{f,i}$)

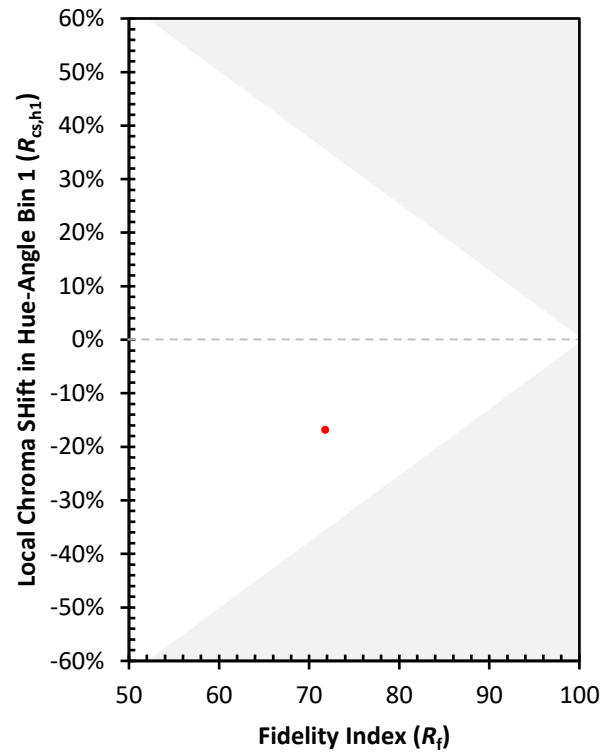
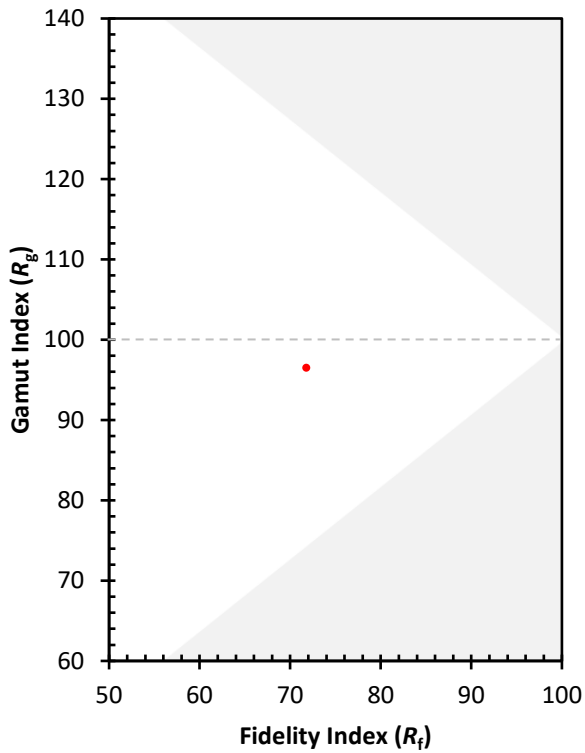
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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