

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: P1066274

Luminaire Tested: **NVN-SA4B-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066274
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4B-730-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16017.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

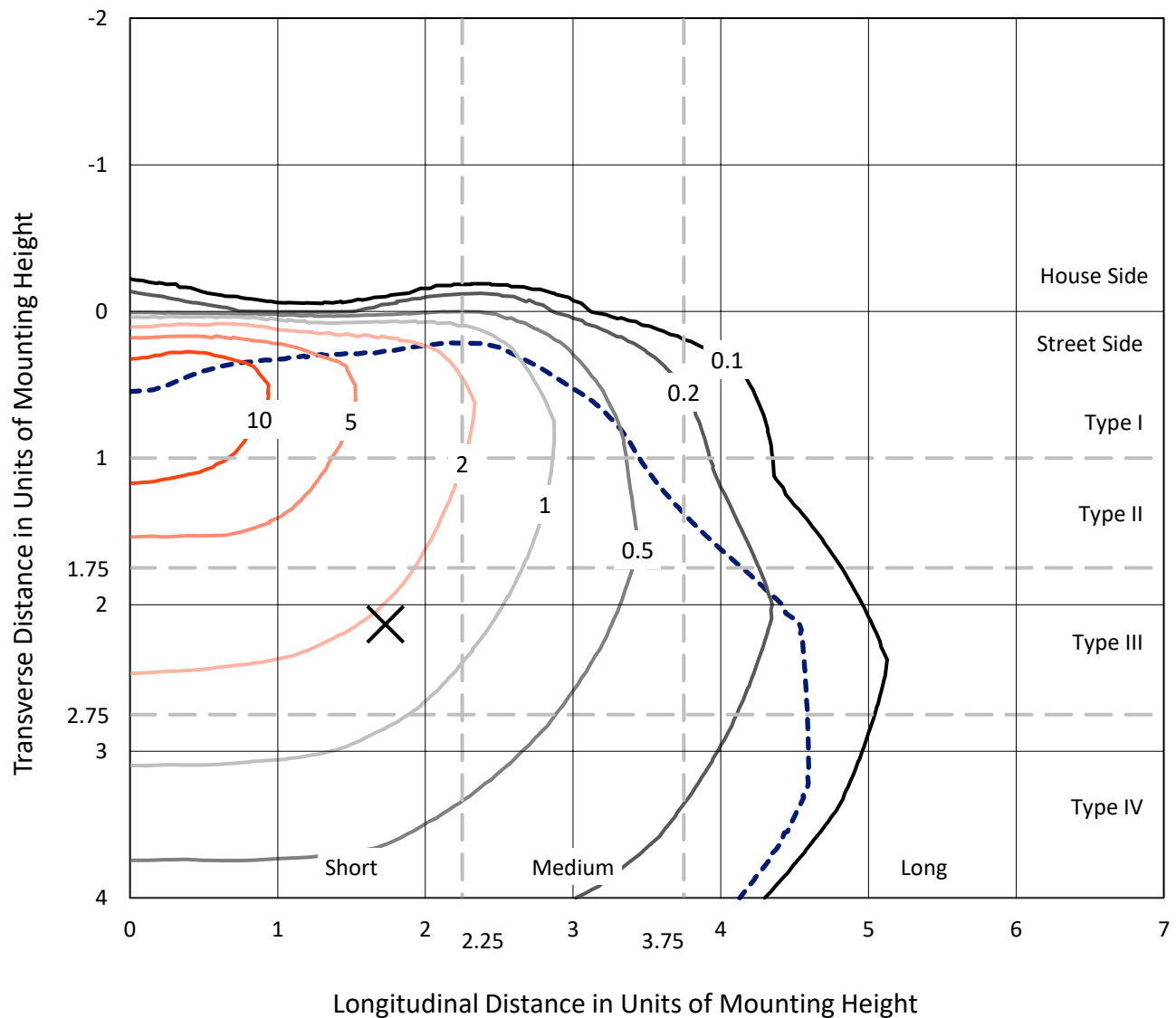


REPORT NUMBER: P1066274

CATALOG NUMBER: NVN-SA4B-730-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

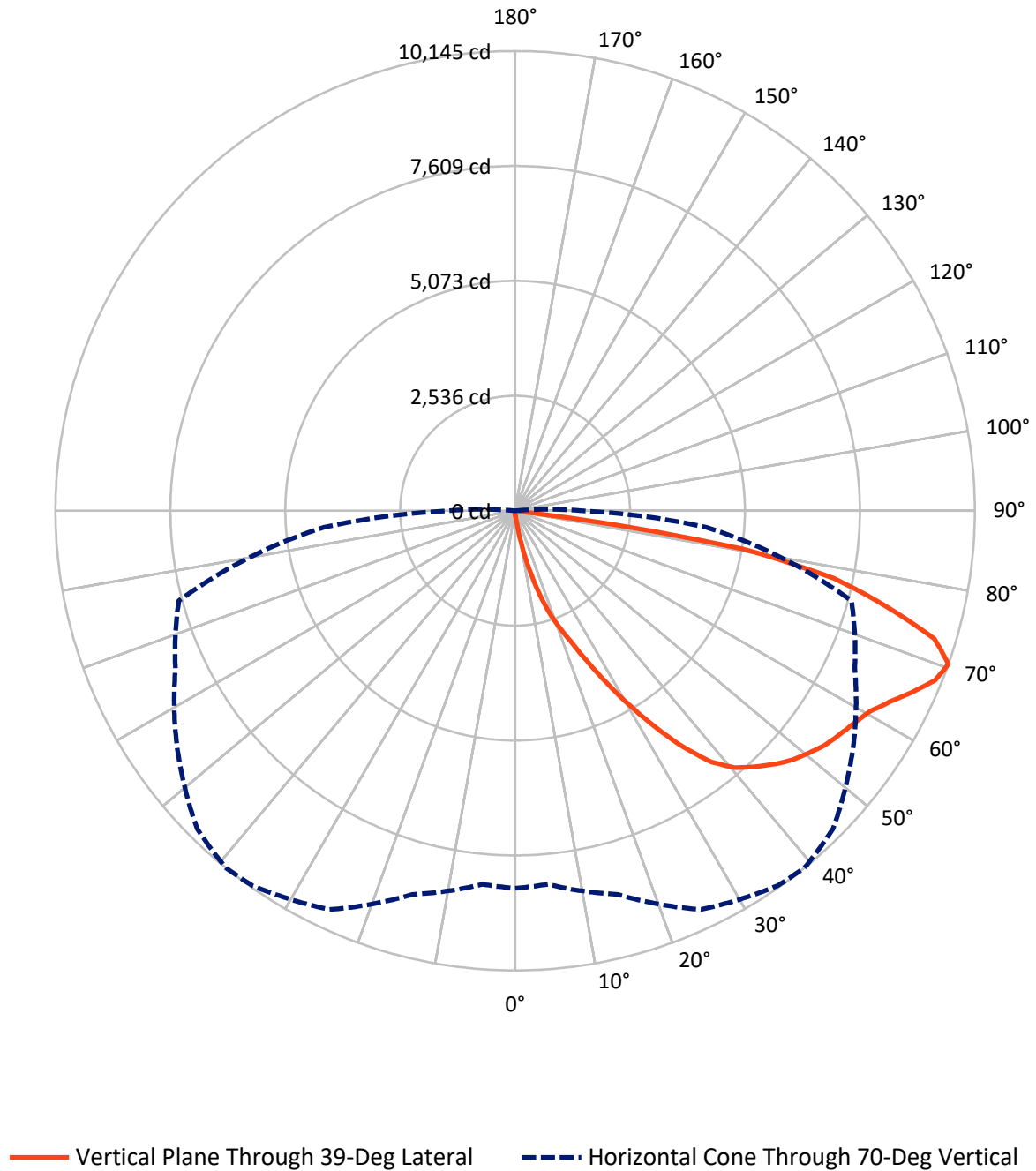


Based on 15 foot mounting height. Maximum calculated value = 17.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P1066274

CATALOG NUMBER: NVN-SA4B-730-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1066274

CATALOG NUMBER: NVN-SA4B-730-U-T4BC

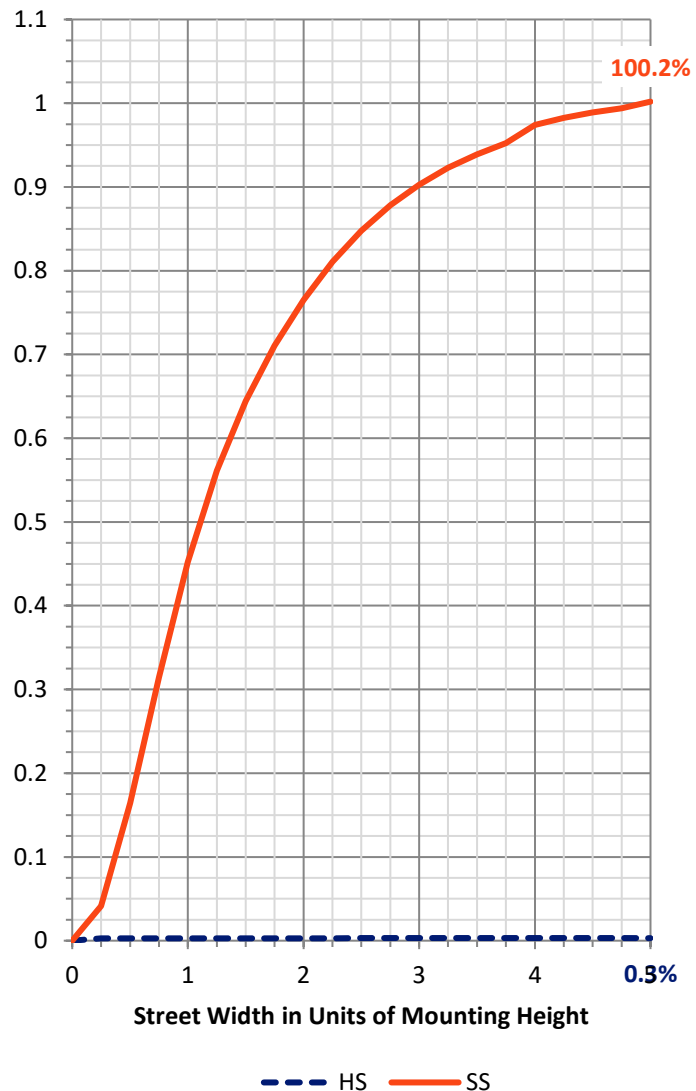
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.3	0.0	49.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	15968.1	0.0	15968.1
	% Fixture	99.7	0.0	99.7
Total	Lumens	16017.3	0.0	16017.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.1
10°-20°	196.9	1.2
20°-30°	668.2	4.2
30°-40°	1570.4	9.8
40°-50°	2550.1	15.9
50°-60°	3231.5	20.2
60°-70°	4104.8	25.6
70°-80°	3335.2	20.8
80°-90°	343.4	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°	16017.3	100.0
0°-180°	16017.3	100.0



REPORT NUMBER: P1066274

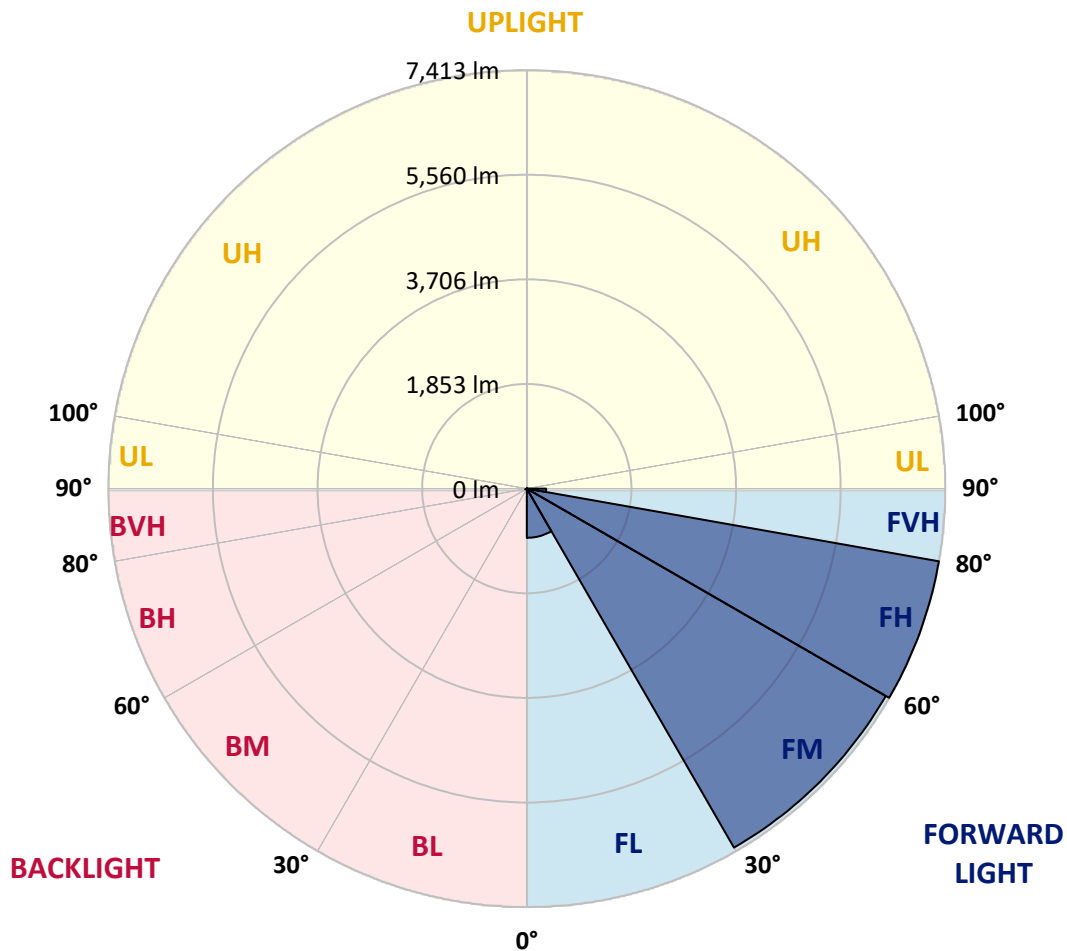
CATALOG NUMBER: NVN-SA4B-730-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	871.3	5.4			
FM	(30°-60°)	7342.5	45.8			
FH	(60°-80°)	7412.9	46.3			G3/7500
FVH	(80°-90°)	341.3	2.1			G3/500
BL	(0°-30°)	10.7	0.1	B0/110		
BM	(30°-60°)	9.5	0.1	B0/220		
BH	(60°-80°)	27.1	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 IV Short



REPORT NUMBER: P1066274

CATALOG NUMBER: NVN-SA4B-730-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2.5°	113.1	113.1	113.1	108.7	108.7	104.4	104.4	100.0	95.7	95.7	91.3
5°	213.1	217.4	204.4	178.3	160.9	152.2	143.5	121.8	108.7	100.0	91.3
7.5°	582.7	565.3	539.2	452.3	347.9	295.7	252.2	178.3	130.5	104.4	91.3
10°	1226.3	1178.5	1104.6	987.1	782.8	700.1	543.6	326.2	182.6	117.4	91.3
12.5°	1800.3	1809.0	1717.7	1604.7	1356.8	1217.6	1004.5	613.2	287.0	139.2	91.3
15°	2235.2	2226.5	2191.7	2100.4	1878.6	1743.8	1552.5	1030.6	482.7	173.9	95.7
17.5°	2578.8	2544.0	2530.9	2491.8	2348.3	2274.4	2065.6	1517.7	765.4	234.8	100.0
20°	2922.3	2913.6	2900.6	2857.1	2761.4	2709.2	2548.3	2009.1	1139.4	334.8	108.7
22.5°	3422.4	3374.6	3383.3	3287.6	3209.3	3118.0	2987.5	2530.9	1569.9	478.4	121.8
25°	4009.5	4005.1	3935.5	3892.1	3761.6	3661.6	3487.6	3035.4	2048.2	691.4	134.8
27.5°	4700.9	4653.1	4622.6	4548.7	4413.9	4300.8	4061.7	3535.5	2565.7	930.6	152.2
30°	5422.8	5422.8	5366.3	5253.2	5122.7	4983.6	4740.0	4061.7	3078.9	1235.0	173.9
32.5°	6266.4	6283.8	6144.7	5975.1	5805.5	5709.8	5392.3	4657.4	3570.3	1582.9	200.0
35°	7084.0	7062.2	6831.8	6644.8	6518.7	6414.3	6144.7	5309.7	4126.9	1987.3	234.8
37.5°	7866.7	7810.2	7427.5	7162.3	7105.7	7036.1	6766.5	5962.0	4679.2	2435.3	278.3
40°	8427.7	8340.7	7945.0	7579.7	7497.1	7458.0	7249.2	6553.4	5261.9	2935.4	334.8
42.5°	8671.2	8571.2	8297.3	8001.5	7818.9	7727.6	7544.9	7036.1	5844.6	3492.0	417.5
45°	8719.1	8640.8	8445.1	8375.5	8127.7	7988.5	7740.6	7379.7	6388.2	4044.3	530.5
47.5°	8545.1	8510.3	8392.9	8540.8	8414.7	8223.3	7923.3	7636.3	6870.9	4714.0	687.1
50°	8119.0	8092.9	8149.4	8536.4	8623.4	8406.0	8123.3	7836.3	7288.4	5405.4	908.9
52.5°	7544.9	7540.6	7805.9	8423.4	8714.7	8579.9	8319.0	8036.3	7618.9	6075.1	1222.0
55°	6918.7	6992.7	7458.0	8319.0	8766.9	8706.0	8510.3	8214.6	7914.6	6696.9	1726.4
57.5°	6866.5	6836.1	7284.0	8275.5	8797.4	8832.1	8701.7	8401.6	8166.8	7205.7	2400.5
60°	7388.4	7318.8	7488.4	8366.8	8932.2	8993.0	8893.0	8545.1	8419.0	7605.8	3287.6
62.5°	7992.9	7927.6	8014.6	8719.1	9197.4	9284.4	9158.3	8693.0	8623.4	7884.1	4240.0
65°	8475.6	8423.4	8588.6	9245.3	9567.1	9641.0	9554.0	8967.0	8714.7	8110.3	5014.0
67.5°	8553.8	8488.6	8832.1	9597.5	9941.1	9993.2	9923.7	9232.2	8684.3	8127.7	5192.3
70°	8332.0	8275.5	8766.9	9710.6	10102.0	10145.4	9923.7	9106.1	8271.2	7684.1	4244.3
72.5°	7649.3	7692.8	8327.7	9436.6	9880.2	9680.1	9210.5	8471.2	7736.3	6514.3	2978.8
75°	6588.2	6636.1	7479.7	8684.3	8719.1	8475.6	8223.3	7792.8	6923.1	4292.1	2065.6
77.5°	4683.5	4513.9	5775.0	7171.0	7044.8	7201.4	7223.1	6483.9	5796.8	2235.2	1382.9
80°	461.0	391.4	726.2	2056.9	4544.4	5079.2	5288.0	4996.6	4274.7	1000.2	726.2
82.5°	100.0	100.0	108.7	117.4	182.6	274.0	1256.8	3078.9	2761.4	508.8	234.8
85°	56.5	56.5	69.6	82.6	108.7	121.8	143.5	191.3	743.6	182.6	43.5
87.5°	43.5	47.8	56.5	69.6	91.3	100.0	121.8	152.2	187.0	169.6	13.0
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: P1066274

CATALOG NUMBER: NVN-SA4B-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2.5°	91.3	87.0	82.6	78.3	73.9	73.9	69.6	69.6	69.6	69.6	69.6
5°	87.0	82.6	78.3	69.6	65.2	60.9	56.5	56.5	56.5	56.5	56.5
7.5°	87.0	82.6	73.9	65.2	56.5	52.2	47.8	43.5	43.5	47.8	47.8
10°	87.0	78.3	65.2	56.5	47.8	43.5	39.1	34.8	34.8	34.8	34.8
12.5°	82.6	73.9	60.9	52.2	43.5	34.8	26.1	21.7	21.7	21.7	21.7
15°	78.3	69.6	56.5	43.5	30.4	21.7	17.4	13.0	13.0	13.0	13.0
17.5°	78.3	65.2	52.2	39.1	21.7	13.0	8.7	4.3	4.3	4.3	8.7
20°	78.3	65.2	47.8	30.4	13.0	8.7	8.7	4.3	0.0	4.3	4.3
22.5°	78.3	60.9	39.1	21.7	13.0	8.7	4.3	0.0	0.0	0.0	0.0
25°	82.6	60.9	34.8	17.4	8.7	4.3	0.0	0.0	0.0	0.0	0.0
27.5°	82.6	56.5	30.4	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	87.0	56.5	26.1	8.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	87.0	52.2	17.4	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	87.0	47.8	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	87.0	43.5	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	91.3	39.1	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	95.7	34.8	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	100.0	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	113.1	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	130.5	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	156.6	30.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	204.4	26.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	295.7	26.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	495.7	26.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	869.7	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1469.8	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1917.8	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1456.8	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	695.8	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	308.8	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	134.8	13.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	52.2	8.7	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0	0.0
82.5°	21.7	8.7	4.3	4.3	4.3	4.3	4.3	0.0	0.0	0.0	0.0
85°	13.0	8.7	8.7	8.7	4.3	4.3	4.3	0.0	0.0	0.0	0.0
87.5°	8.7	8.7	8.7	8.7	8.7	4.3	4.3	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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

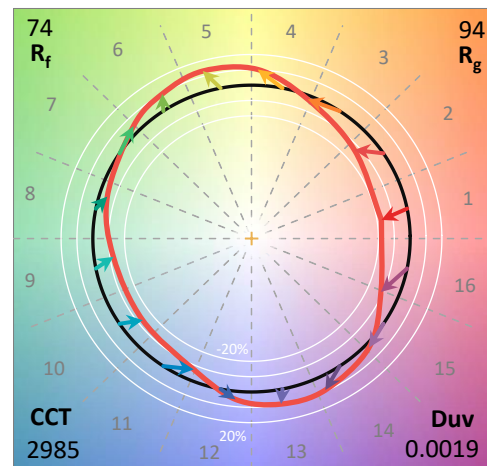
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2985
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



Test Conditions

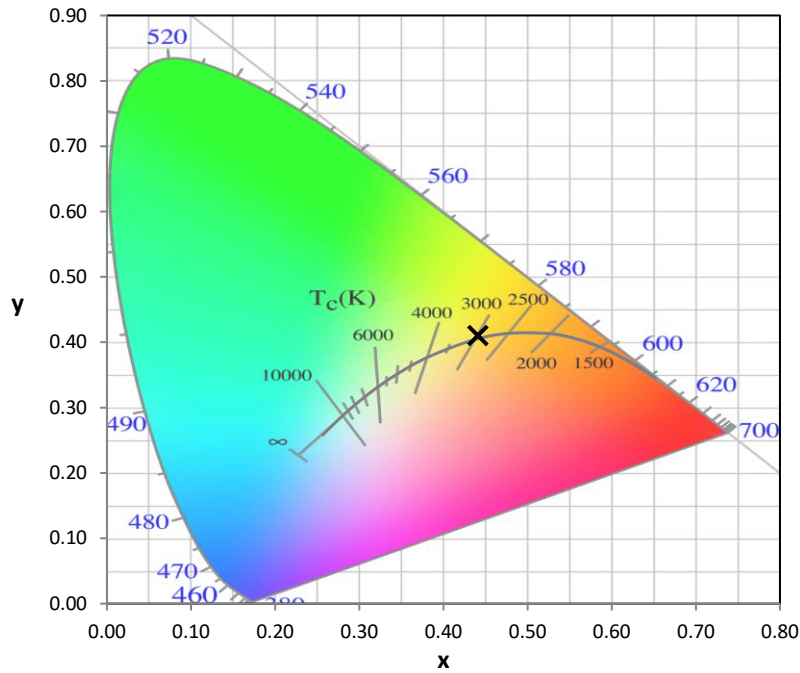
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

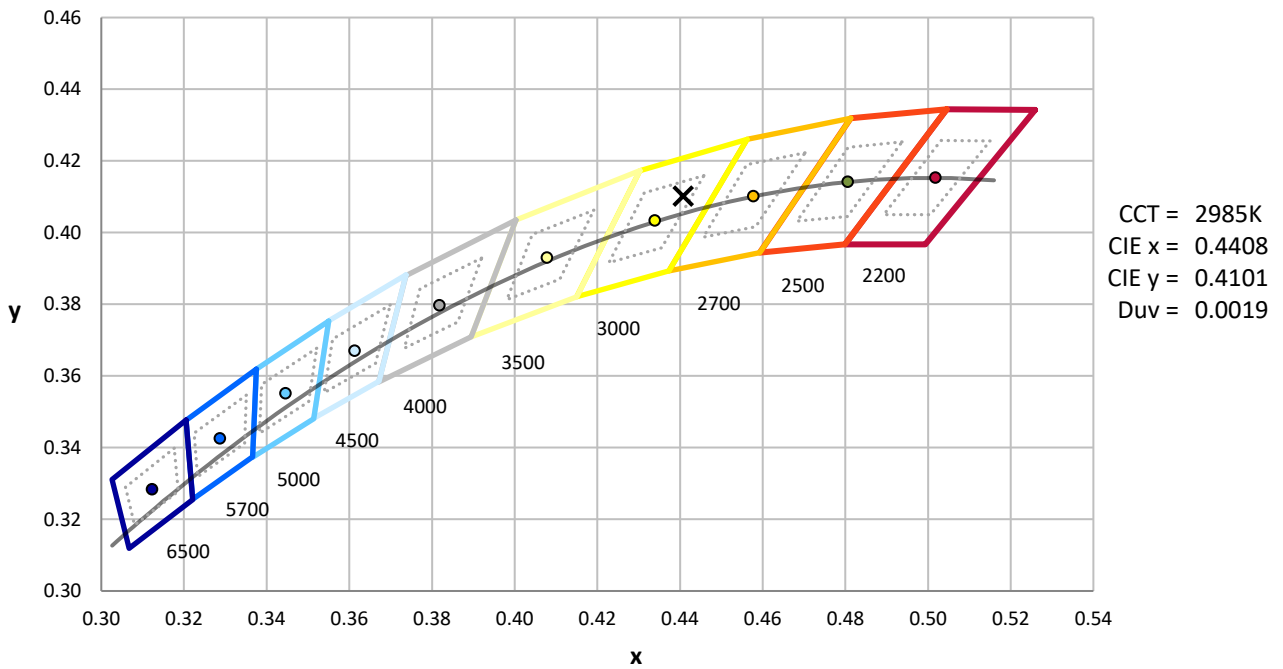
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



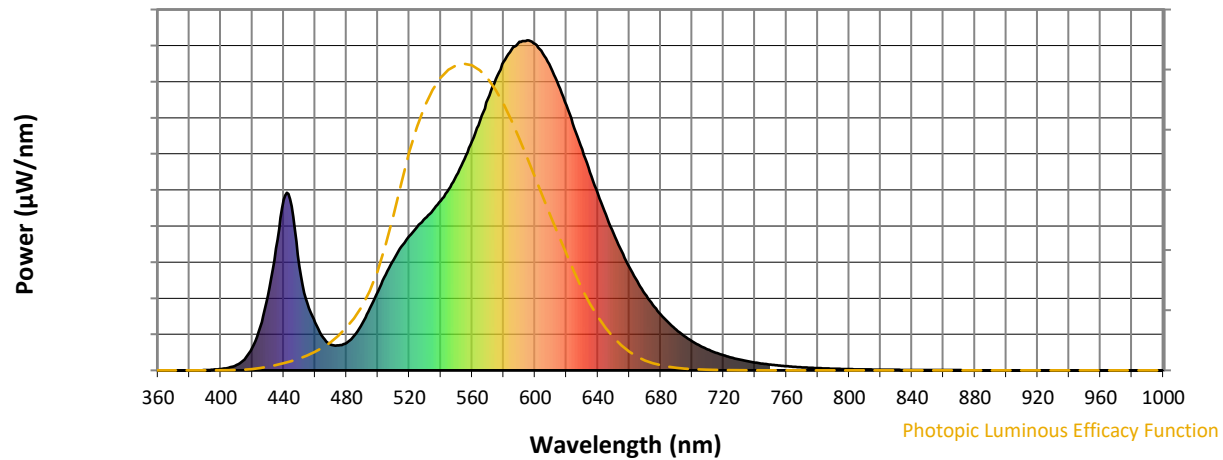
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

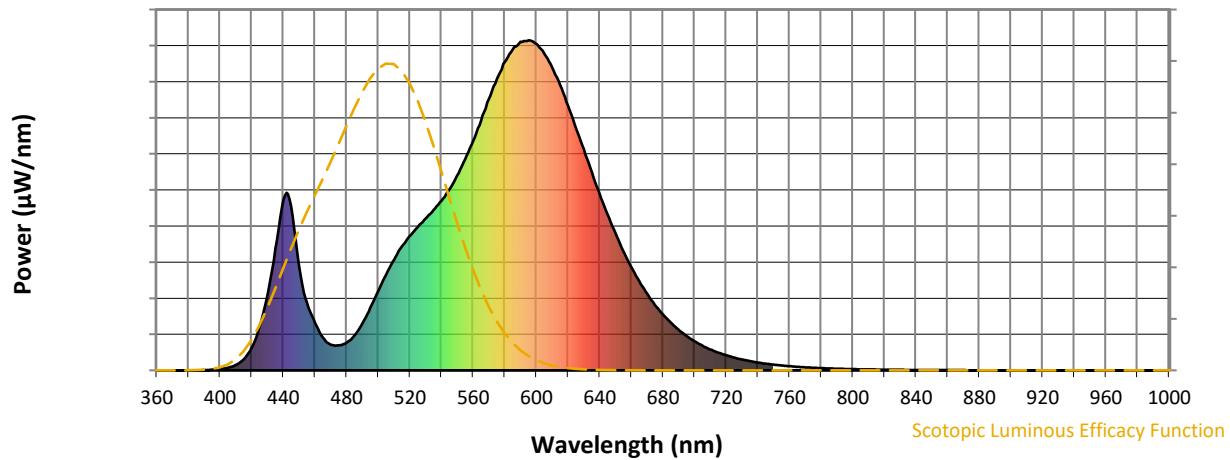


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



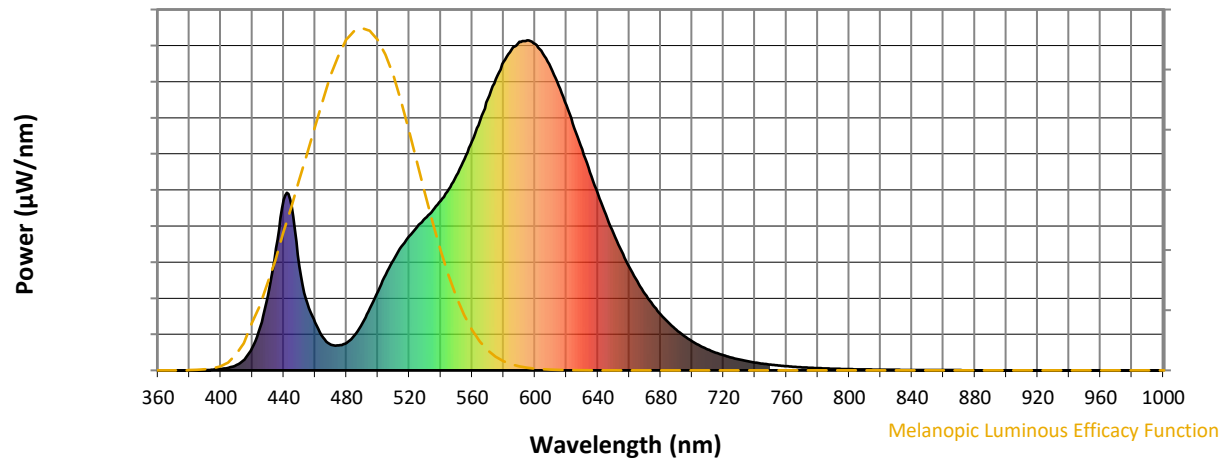
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

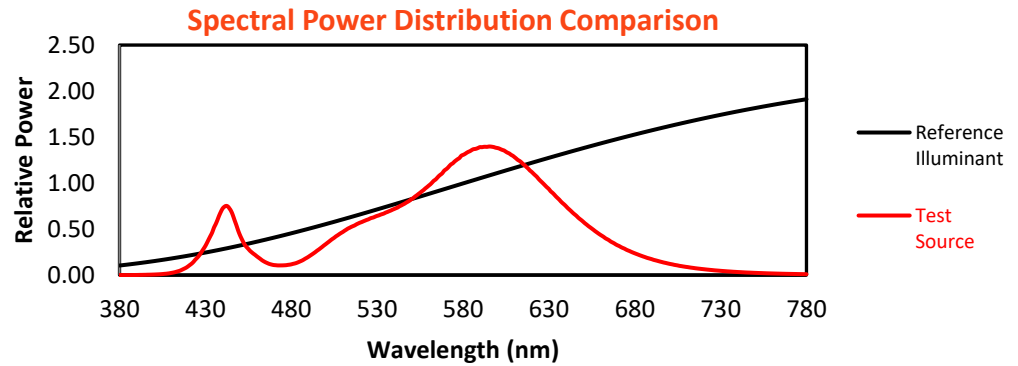
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

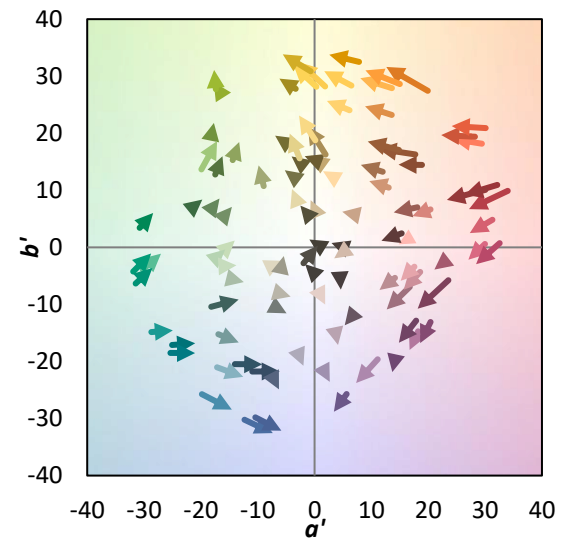
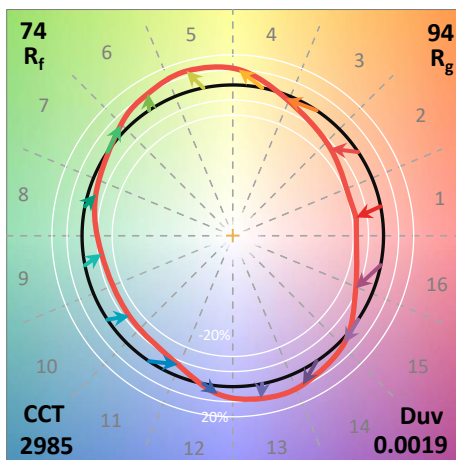
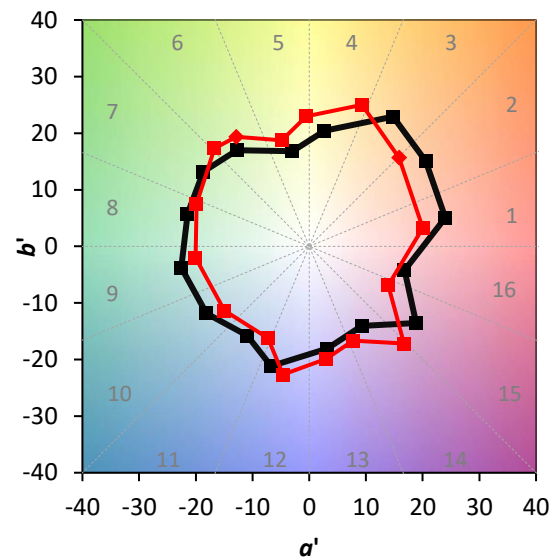
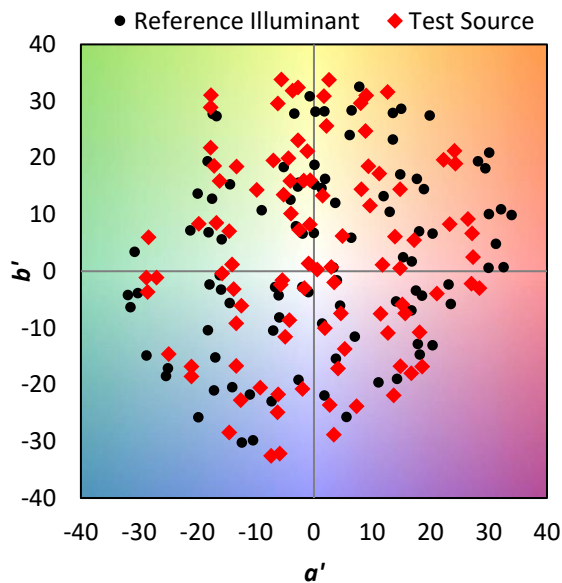
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

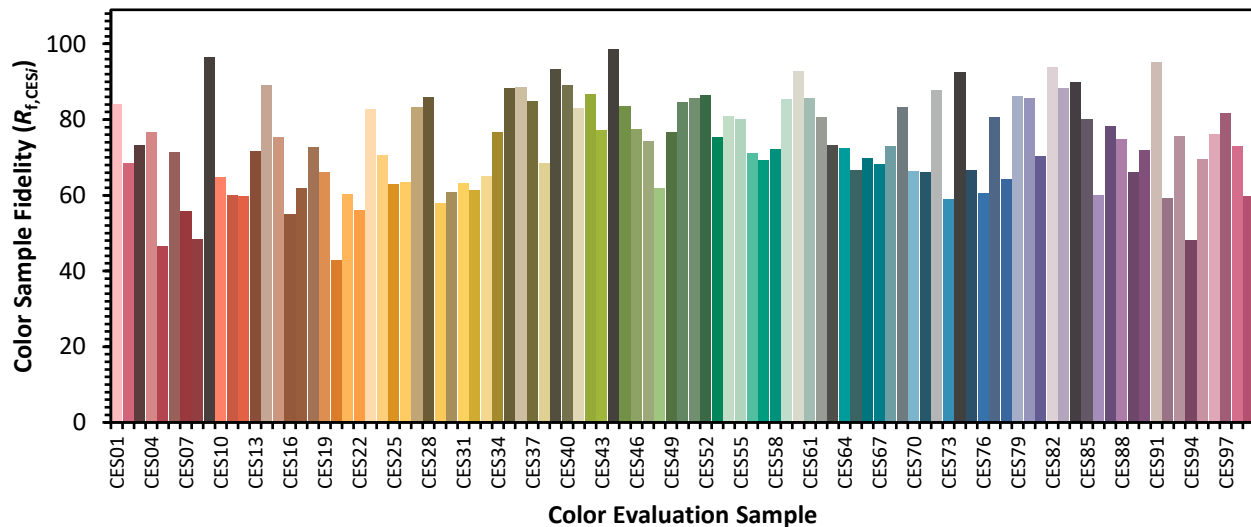


Color Vector Graphics

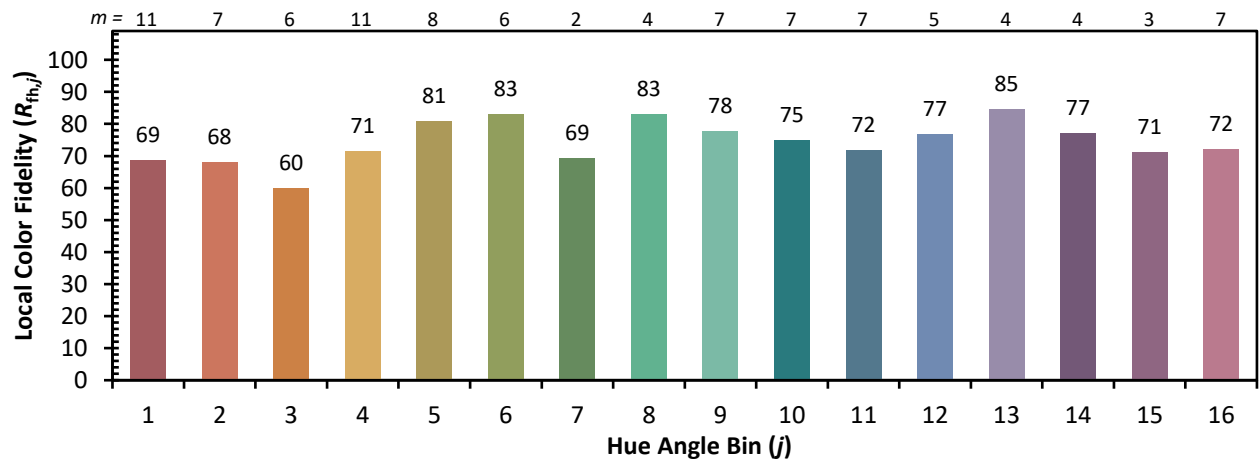
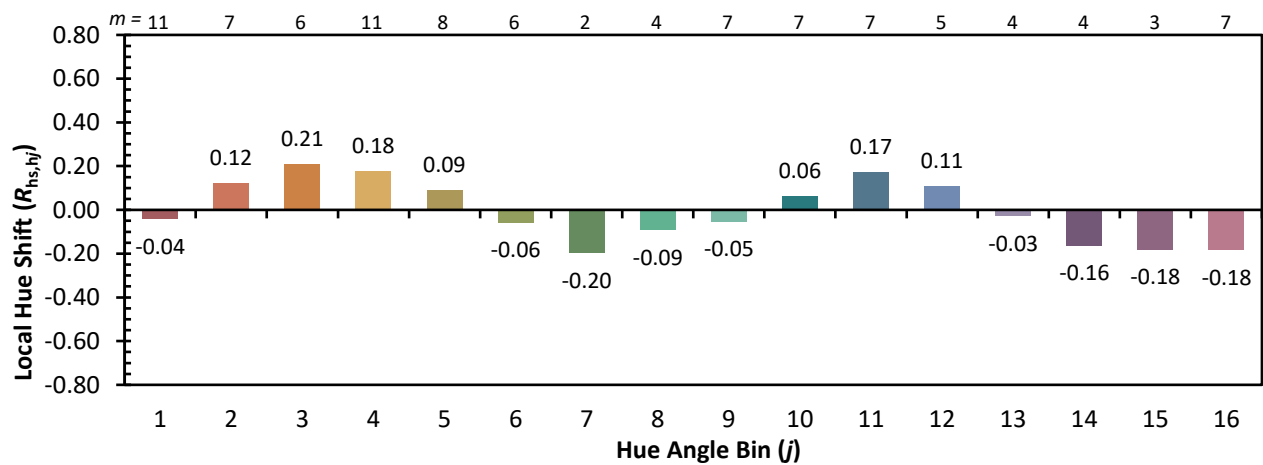
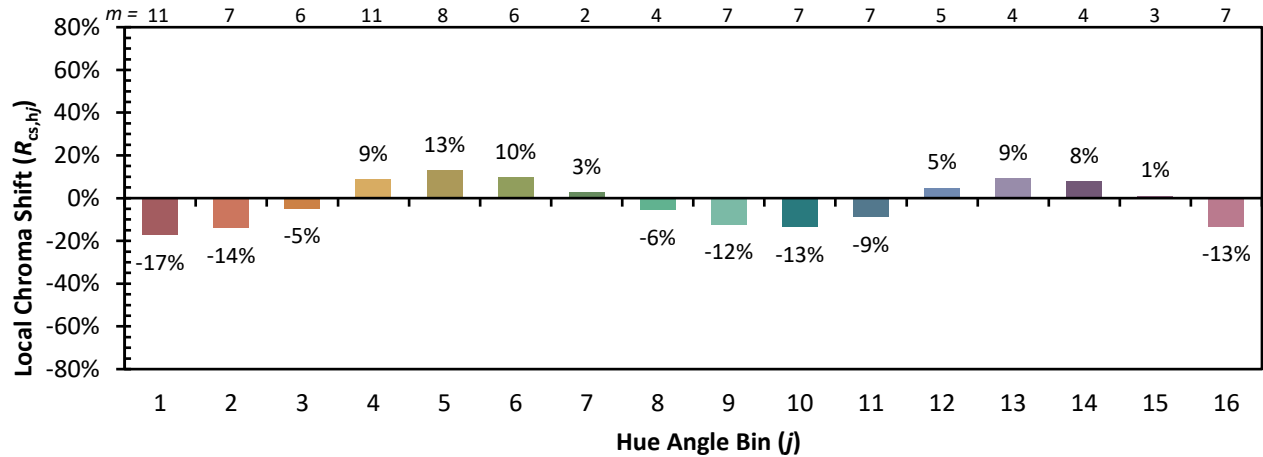


Individual Sample Fidelity Index ($R_{f,i}$)

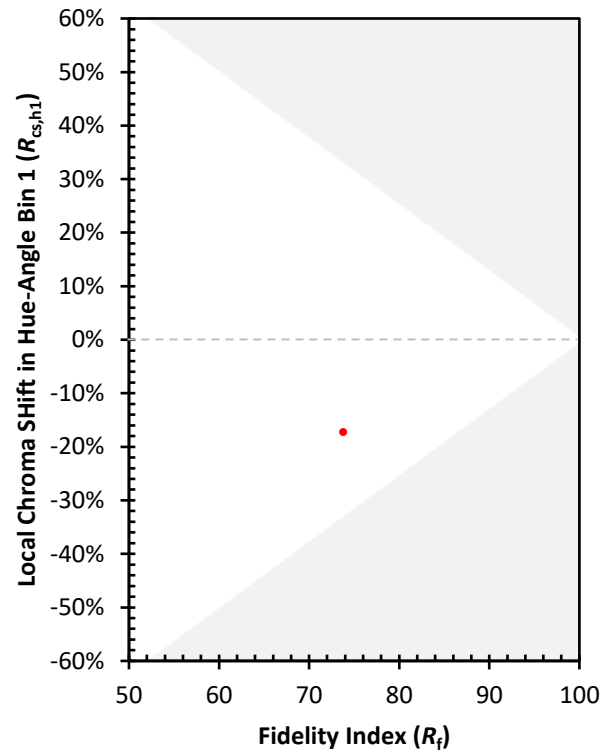
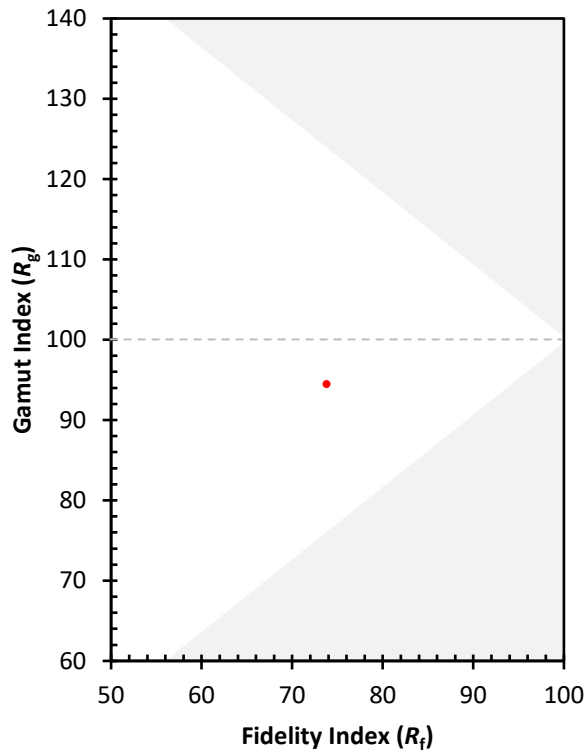
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)