

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: LUMARK

Report Number: P1067481

Luminaire Tested: **NAV-SA6A-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067481
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6A-730-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19436.9 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 161.6
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

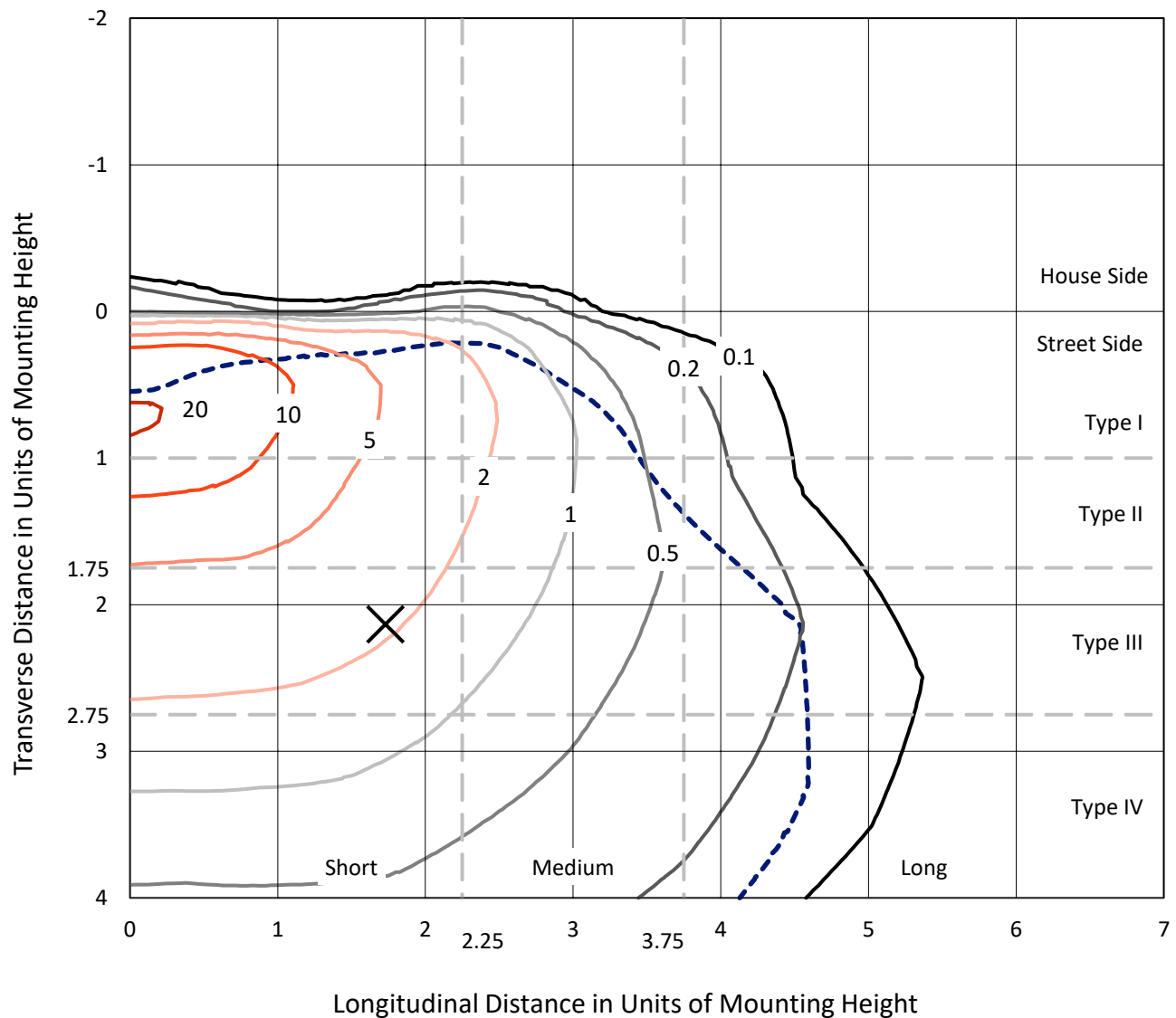


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

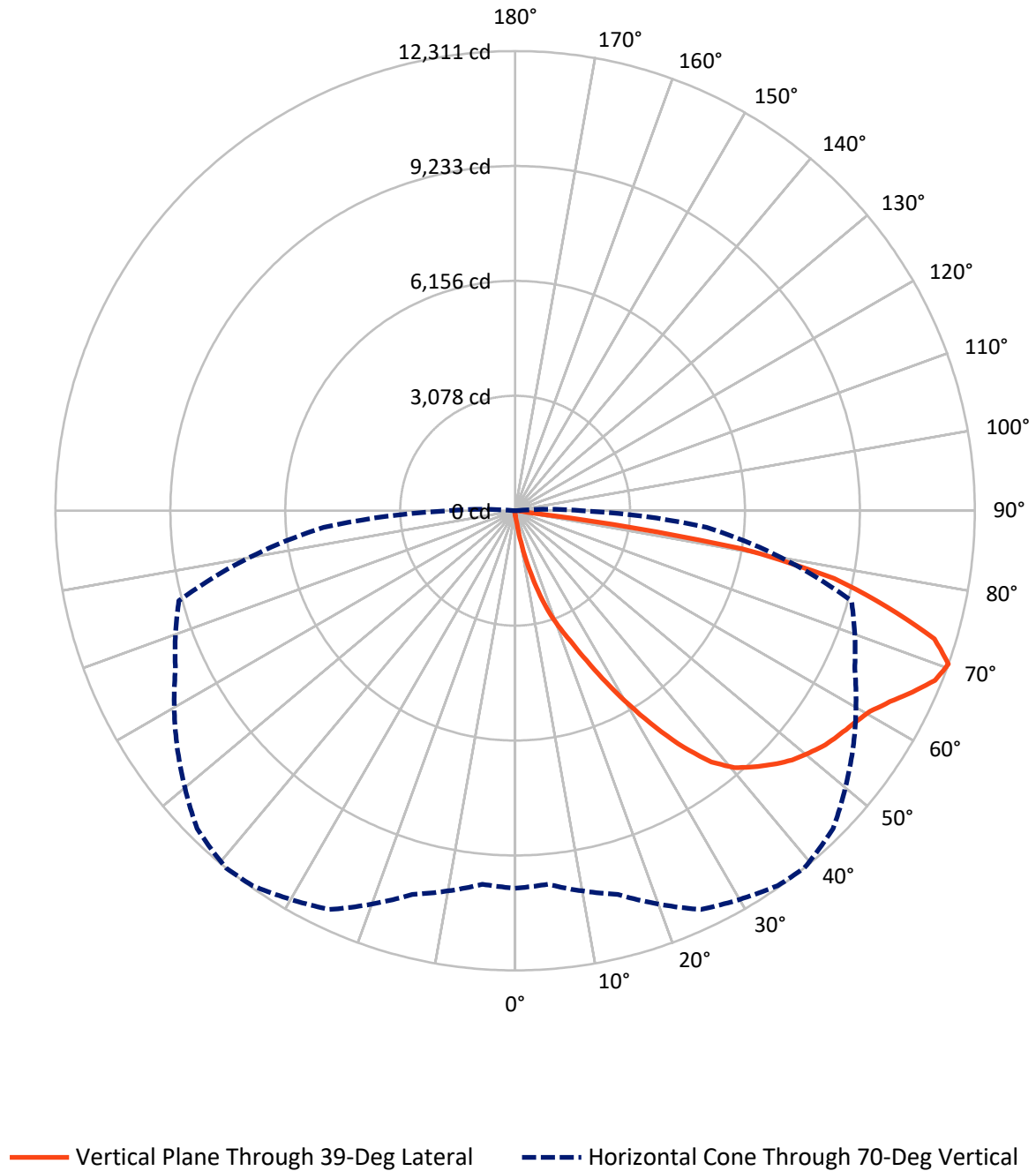


Based on 15 foot mounting height. Maximum calculated value = 21.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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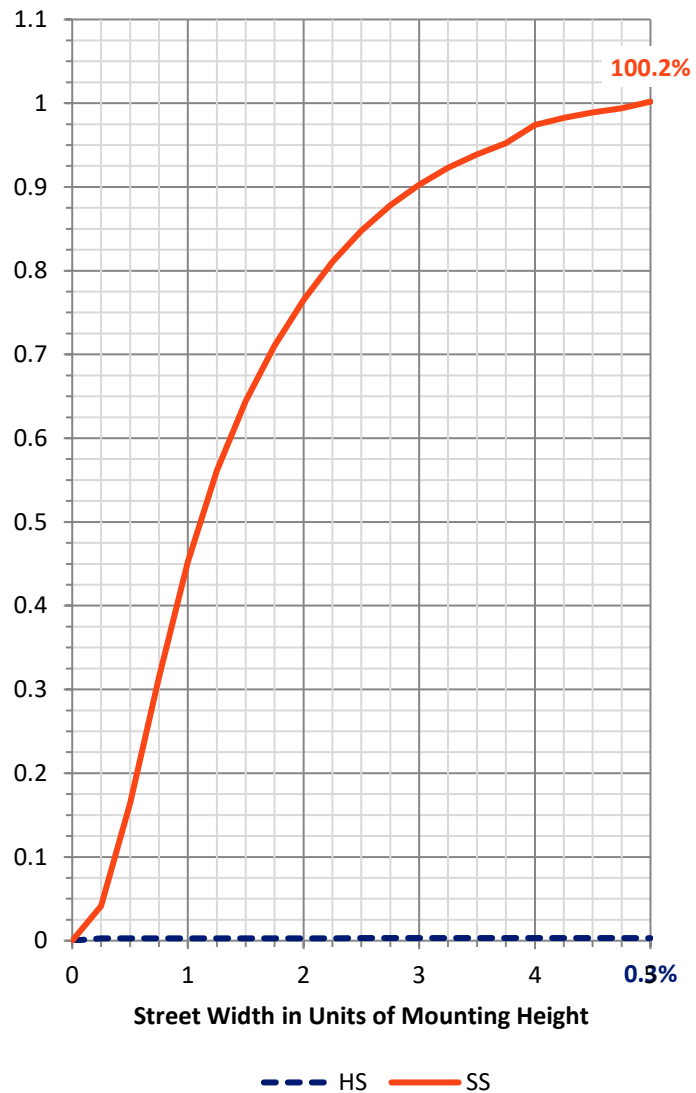
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.9	0.0	59.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	19377.0	0.0	19377.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	19436.9	0.0	19436.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.1
10°-20°	239.0	1.2
20°-30°	810.9	4.2
30°-40°	1905.7	9.8
40°-50°	3094.5	15.9
50°-60°	3921.3	20.2
60°-70°	4981.1	25.6
70°-80°	4047.2	20.8
80°-90°	416.7	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°	19436.9	100.0
0°-180°	19436.9	100.0



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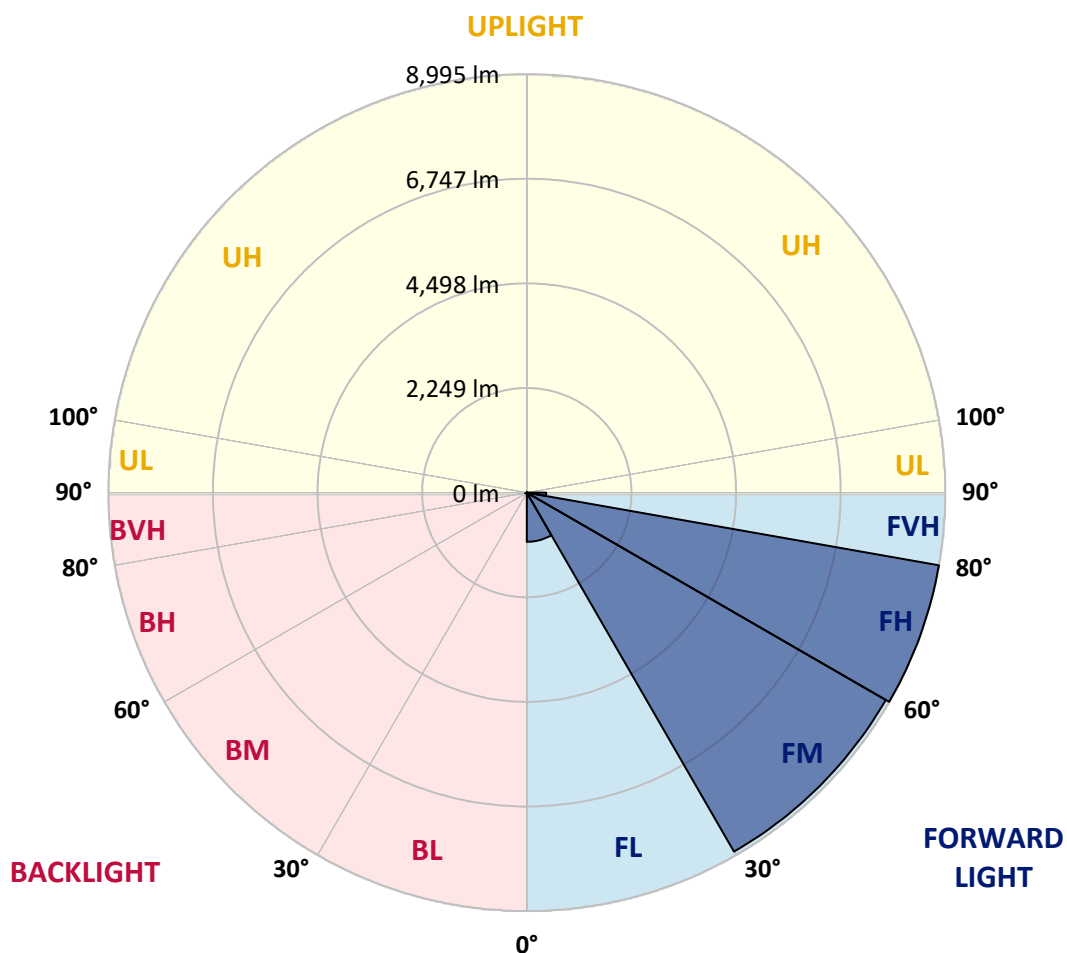
CATALOG NUMBER: NAV-SA6A-730-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1057.3	5.4			
FM	(30°-60°)	8910.0	45.8			
FH	(60°-80°)	8995.4	46.3			G4/12000
FVH	(80°-90°)	414.2	2.1			G3/500
BL	(0°-30°)	13.0	0.1	B0/110		
BM	(30°-60°)	11.5	0.1	B0/220		
BH	(60°-80°)	32.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
2.5°	137.2	137.2	137.2	131.9	131.9	126.6	126.6	121.4	116.1	116.1	110.8
5°	258.6	263.9	248.0	216.4	195.3	184.7	174.1	147.8	131.9	121.4	110.8
7.5°	707.1	686.0	654.4	548.8	422.2	358.8	306.1	216.4	158.3	126.6	110.8
10°	1488.1	1430.1	1340.4	1197.9	949.9	849.6	659.6	395.8	221.6	142.5	110.8
12.5°	2184.7	2195.3	2084.4	1947.2	1646.4	1477.6	1219.0	744.1	348.3	168.9	110.8
15°	2712.4	2701.8	2659.6	2548.8	2279.7	2116.1	1883.9	1250.7	585.8	211.1	116.1
17.5°	3129.3	3087.1	3071.2	3023.7	2849.6	2759.9	2506.6	1841.7	928.8	285.0	121.4
20°	3546.2	3535.6	3519.8	3467.0	3350.9	3287.6	3092.3	2438.0	1382.6	406.3	131.9
22.5°	4153.0	4095.0	4105.5	3989.4	3894.5	3783.6	3625.3	3071.2	1905.0	580.5	147.8
25°	4865.4	4860.2	4775.7	4723.0	4564.6	4443.3	4232.2	3683.4	2485.5	839.1	163.6
27.5°	5704.5	5646.4	5609.5	5519.8	5356.2	5219.0	4928.8	4290.2	3113.5	1129.3	184.7
30°	6580.5	6580.5	6511.9	6374.7	6216.4	6047.5	5752.0	4928.8	3736.1	1498.7	211.1
32.5°	7604.2	7625.3	7456.5	7250.7	7044.9	6928.8	6543.5	5651.7	4332.5	1920.8	242.7
35°	8596.3	8569.9	8290.2	8063.3	7910.3	7783.6	7456.5	6443.3	5007.9	2411.6	285.0
37.5°	9546.2	9477.6	9013.2	8691.3	8622.7	8538.3	8211.1	7234.8	5678.1	2955.1	337.7
40°	10226.9	10121.4	9641.2	9197.9	9097.6	9050.1	8796.8	7952.5	6385.2	3562.0	406.3
42.5°	10522.4	10401.1	10068.6	9709.8	9488.1	9377.3	9155.7	8538.3	7092.4	4237.5	506.6
45°	10580.5	10485.5	10248.0	10163.6	9862.8	9693.9	9393.1	8955.1	7752.0	4907.7	643.8
47.5°	10369.4	10327.2	10184.7	10364.1	10211.1	9978.9	9614.8	9266.5	8337.7	5720.3	833.8
50°	9852.2	9820.6	9889.2	10358.8	10464.4	10200.5	9857.5	9509.2	8844.3	6559.4	1102.9
52.5°	9155.7	9150.4	9472.3	10221.6	10575.2	10411.6	10095.0	9752.0	9245.4	7372.0	1482.9
55°	8395.8	8485.5	9050.1	10095.0	10638.5	10564.6	10327.2	9968.3	9604.2	8126.7	2095.0
57.5°	8332.5	8295.5	8839.1	10042.2	10675.5	10717.7	10559.4	10195.3	9910.3	8744.1	2912.9
60°	8965.7	8881.3	9087.1	10153.0	10839.1	10912.9	10791.6	10369.4	10216.4	9229.6	3989.4
62.5°	9699.2	9620.1	9725.6	10580.5	11161.0	11266.5	11113.5	10548.8	10464.4	9567.3	5145.1
65°	10285.0	10221.6	10422.2	11219.0	11609.5	11699.2	11593.7	10881.3	10575.2	9841.7	6084.4
67.5°	10380.0	10300.8	10717.7	11646.4	12063.3	12126.7	12042.2	11203.2	10538.3	9862.8	6300.8
70°	10110.8	10042.2	10638.5	11783.6	12258.6	12311.3	12042.2	11050.1	10036.9	9324.5	5150.4
72.5°	9282.3	9335.1	10105.5	11451.2	11989.4	11746.7	11176.8	10279.7	9387.9	7905.0	3614.8
75°	7994.7	8052.8	9076.5	10538.3	10580.5	10285.0	9978.9	9456.5	8401.1	5208.4	2506.6
77.5°	5683.4	5477.6	7007.9	8701.8	8548.8	8738.8	8765.2	7868.1	7034.3	2712.4	1678.1
80°	559.4	474.9	881.3	2496.0	5514.5	6163.6	6416.9	6063.3	5187.3	1213.7	881.3
82.5°	121.4	121.4	131.9	142.5	221.6	332.5	1525.1	3736.1	3350.9	617.4	285.0
85°	68.6	68.6	84.4	100.3	131.9	147.8	174.1	232.2	902.4	221.6	52.8
87.5°	52.8	58.0	68.6	84.4	110.8	121.4	147.8	184.7	226.9	205.8	15.8
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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CATALOG NUMBER: NAV-SA6A-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
2.5°	110.8	105.5	100.3	95.0	89.7	89.7	84.4	84.4	84.4	84.4	84.4
5°	105.5	100.3	95.0	84.4	79.2	73.9	68.6	68.6	68.6	68.6	68.6
7.5°	105.5	100.3	89.7	79.2	68.6	63.3	58.0	52.8	52.8	58.0	58.0
10°	105.5	95.0	79.2	68.6	58.0	52.8	47.5	42.2	42.2	42.2	42.2
12.5°	100.3	89.7	73.9	63.3	52.8	42.2	31.7	26.4	26.4	26.4	26.4
15°	95.0	84.4	68.6	52.8	36.9	26.4	21.1	15.8	15.8	15.8	15.8
17.5°	95.0	79.2	63.3	47.5	26.4	15.8	10.6	5.3	5.3	5.3	10.6
20°	95.0	79.2	58.0	36.9	15.8	10.6	10.6	5.3	0.0	5.3	5.3
22.5°	95.0	73.9	47.5	26.4	15.8	10.6	5.3	0.0	0.0	0.0	0.0
25°	100.3	73.9	42.2	21.1	10.6	5.3	0.0	0.0	0.0	0.0	0.0
27.5°	100.3	68.6	36.9	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	105.5	68.6	31.7	10.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	105.5	63.3	21.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	105.5	58.0	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	105.5	52.8	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	110.8	47.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	116.1	42.2	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	121.4	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	137.2	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	158.3	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	190.0	36.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	248.0	31.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	358.8	31.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	601.6	31.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1055.4	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1783.6	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2327.2	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1767.8	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	844.3	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	374.7	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	163.6	15.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	63.3	10.6	5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0	0.0
82.5°	26.4	10.6	5.3	5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0
85°	15.8	10.6	10.6	10.6	5.3	5.3	5.3	0.0	0.0	0.0	0.0
87.5°	10.6	10.6	10.6	10.6	10.6	5.3	5.3	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

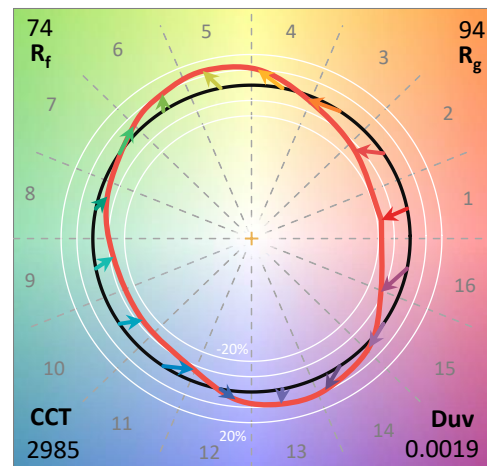
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

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	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

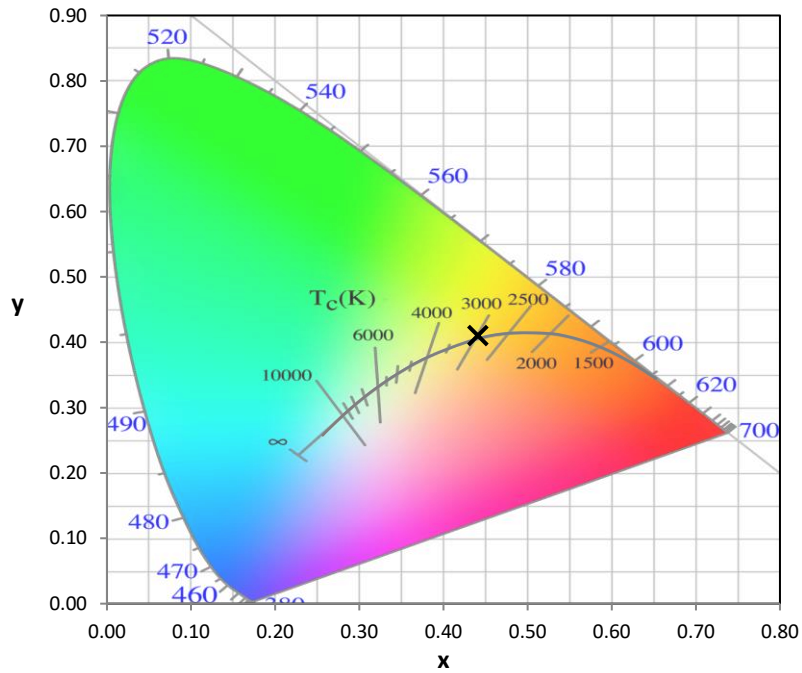
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

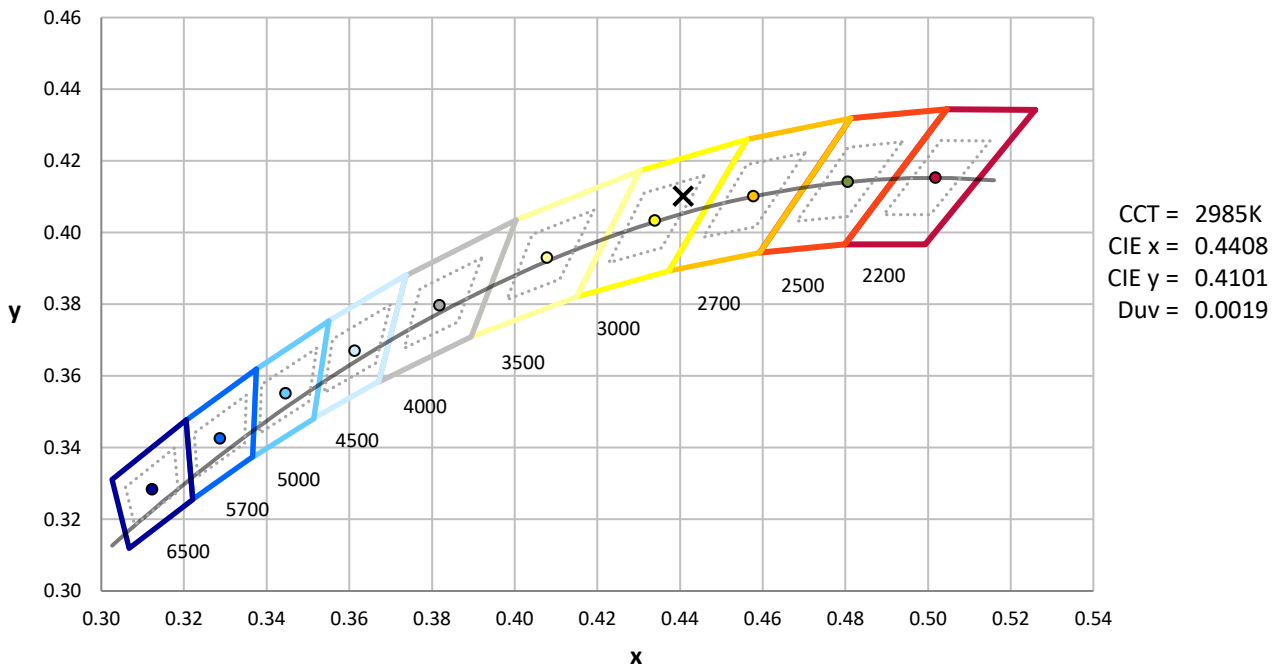
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

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	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

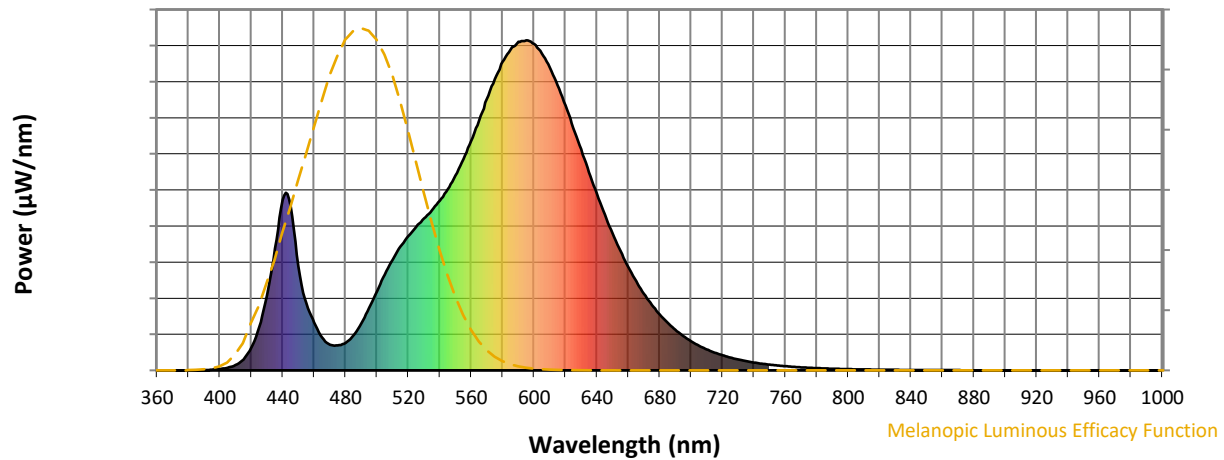
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.19

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

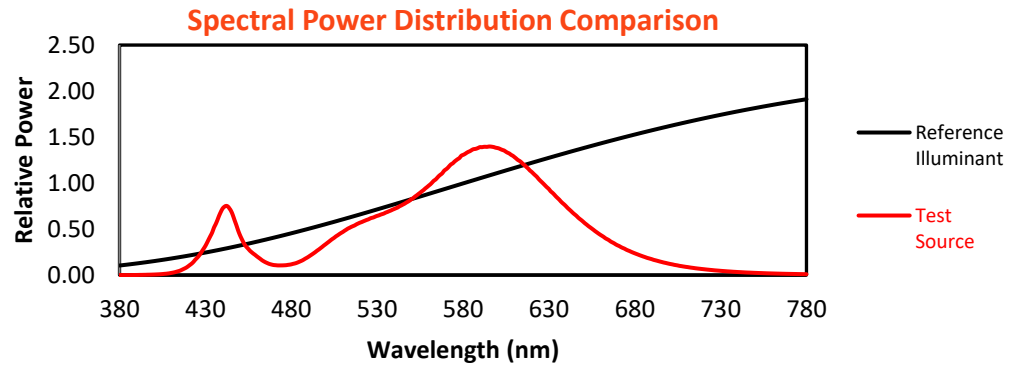
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	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			

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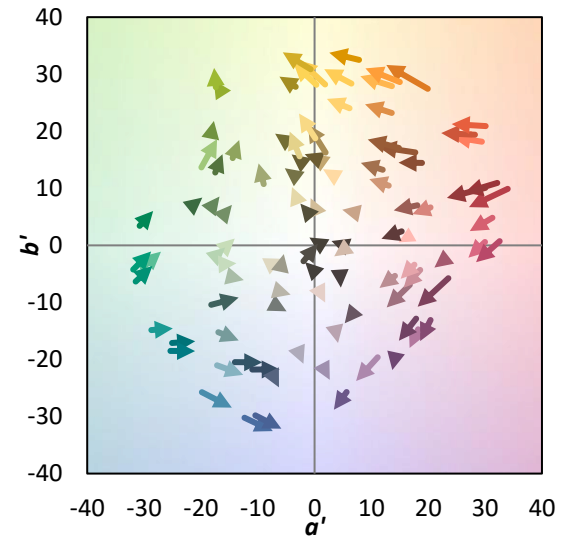
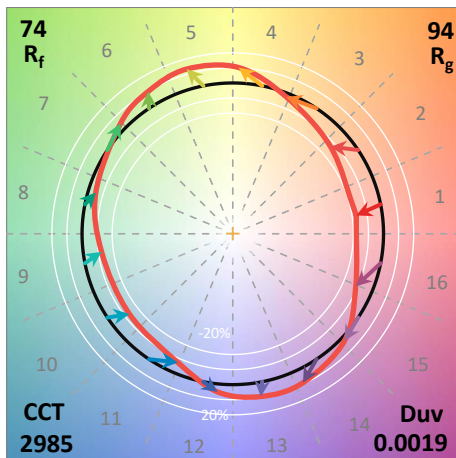
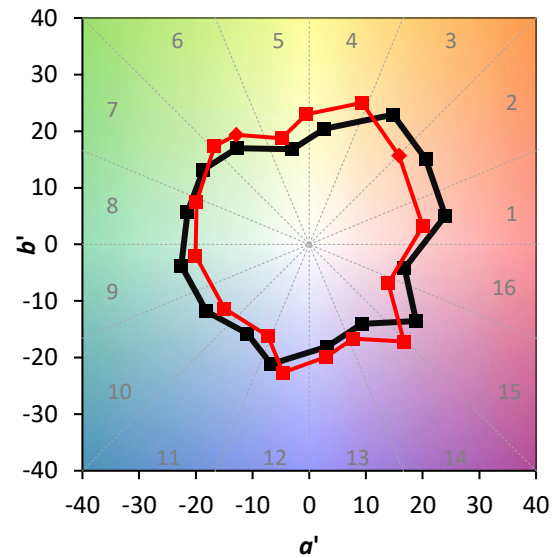
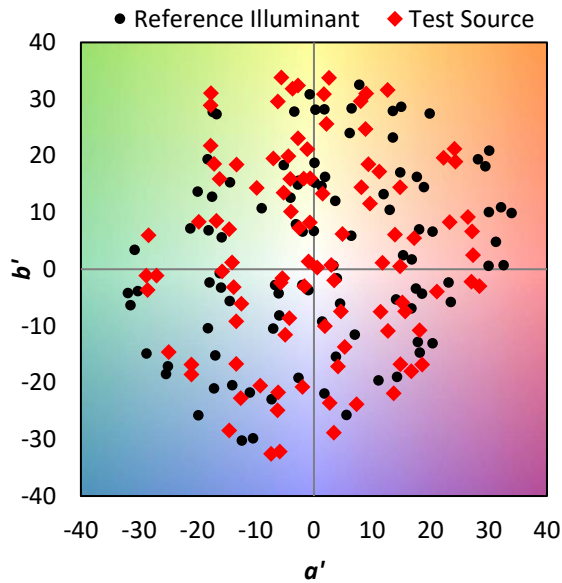
TM-30-18

Summary

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

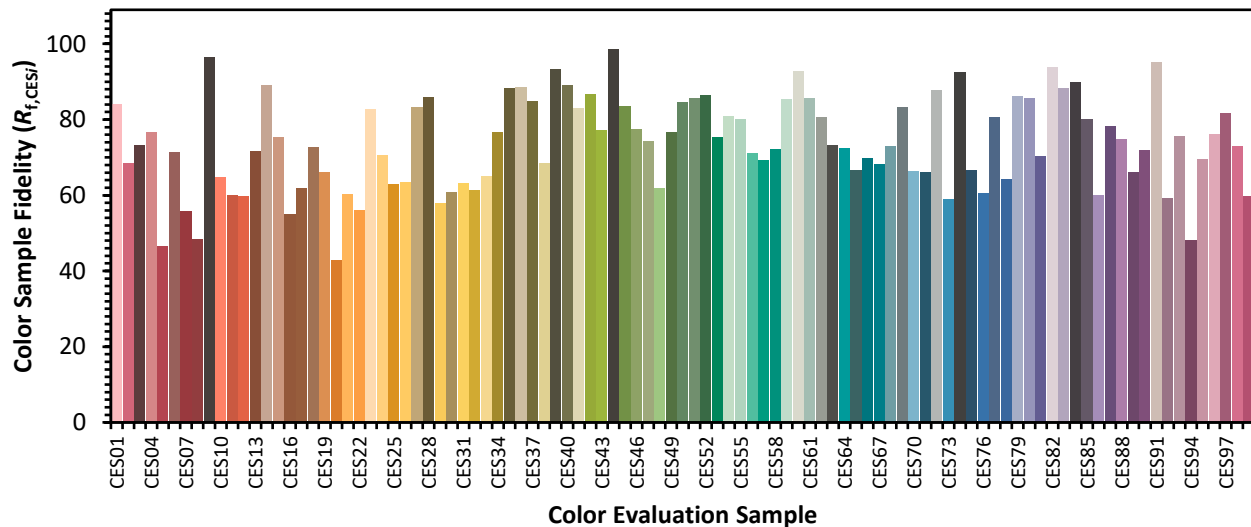


Color Vector Graphics

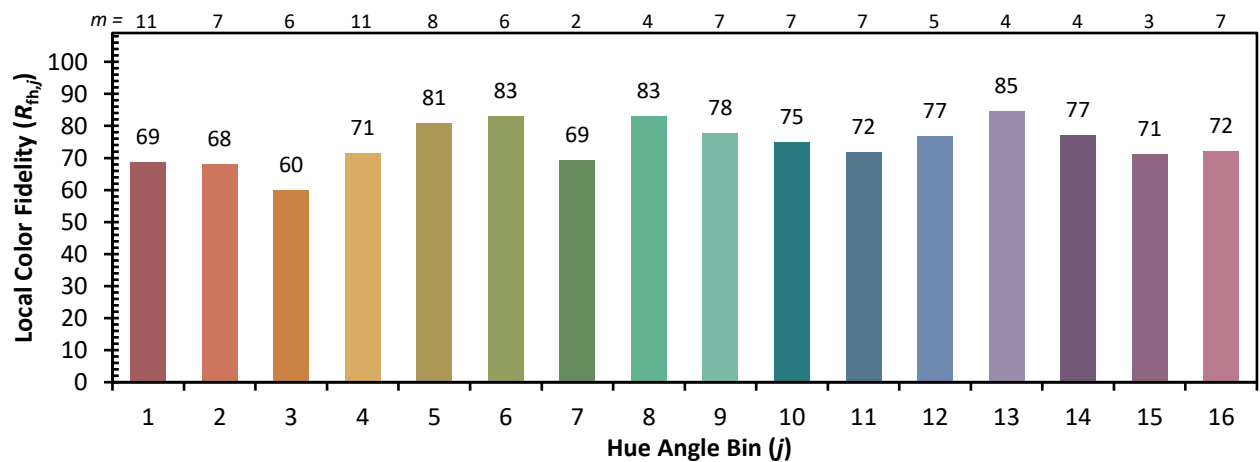
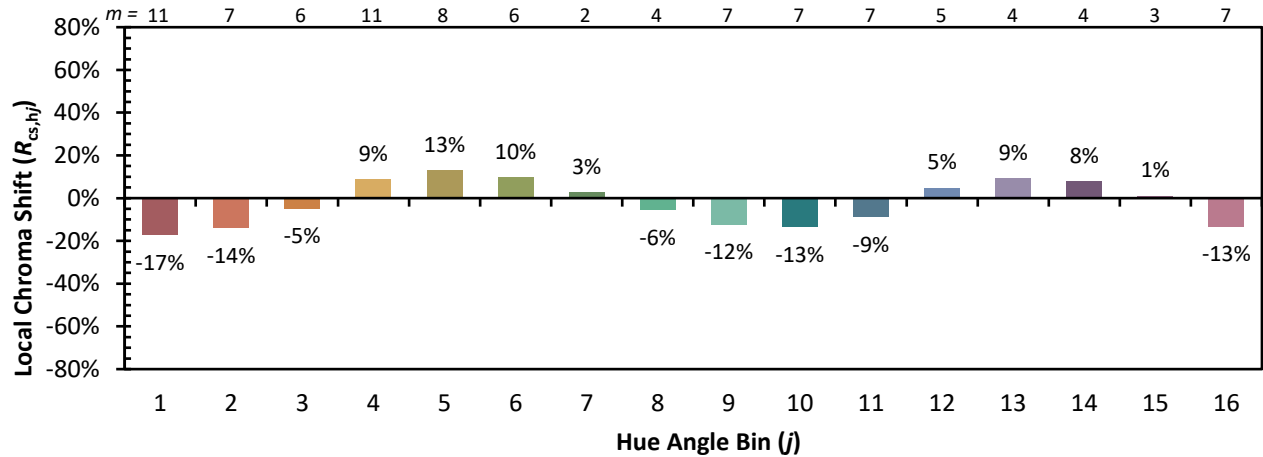


Individual Sample Fidelity Index ($R_{f,i}$)

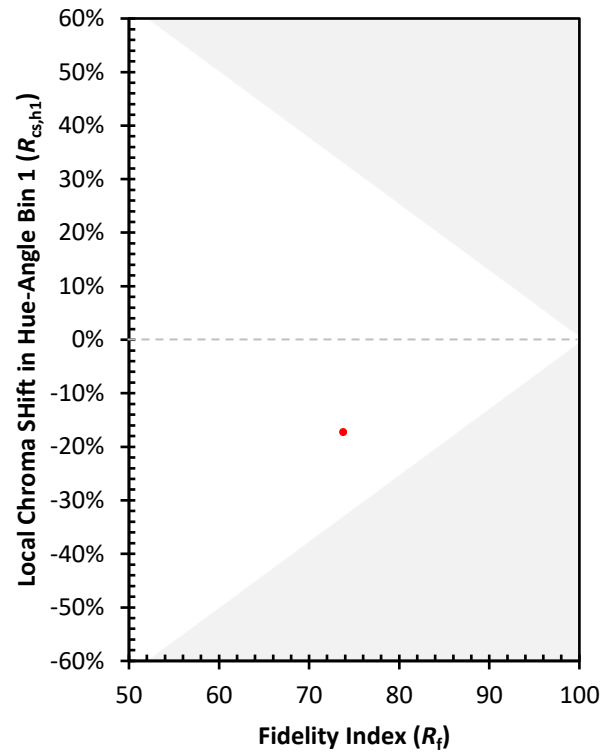
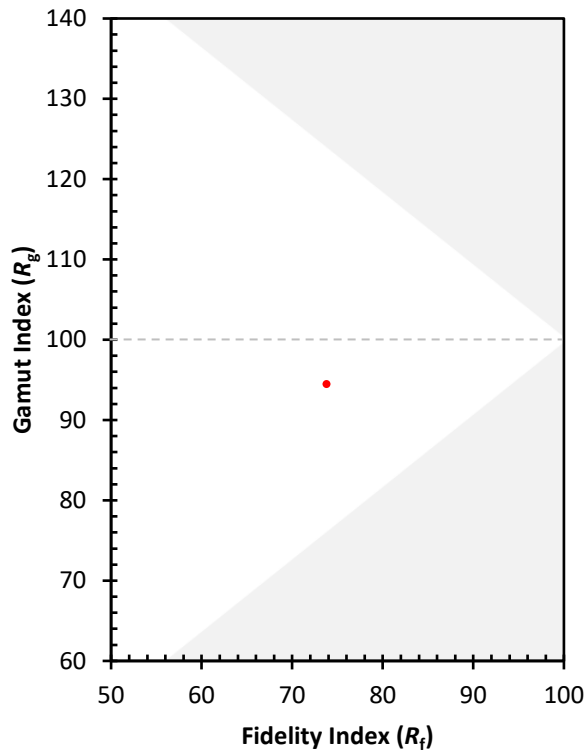
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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)