

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: P1067224

Luminaire Tested: **NAV-SA1D-730-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067224
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1D-730-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5704.9 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.5
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

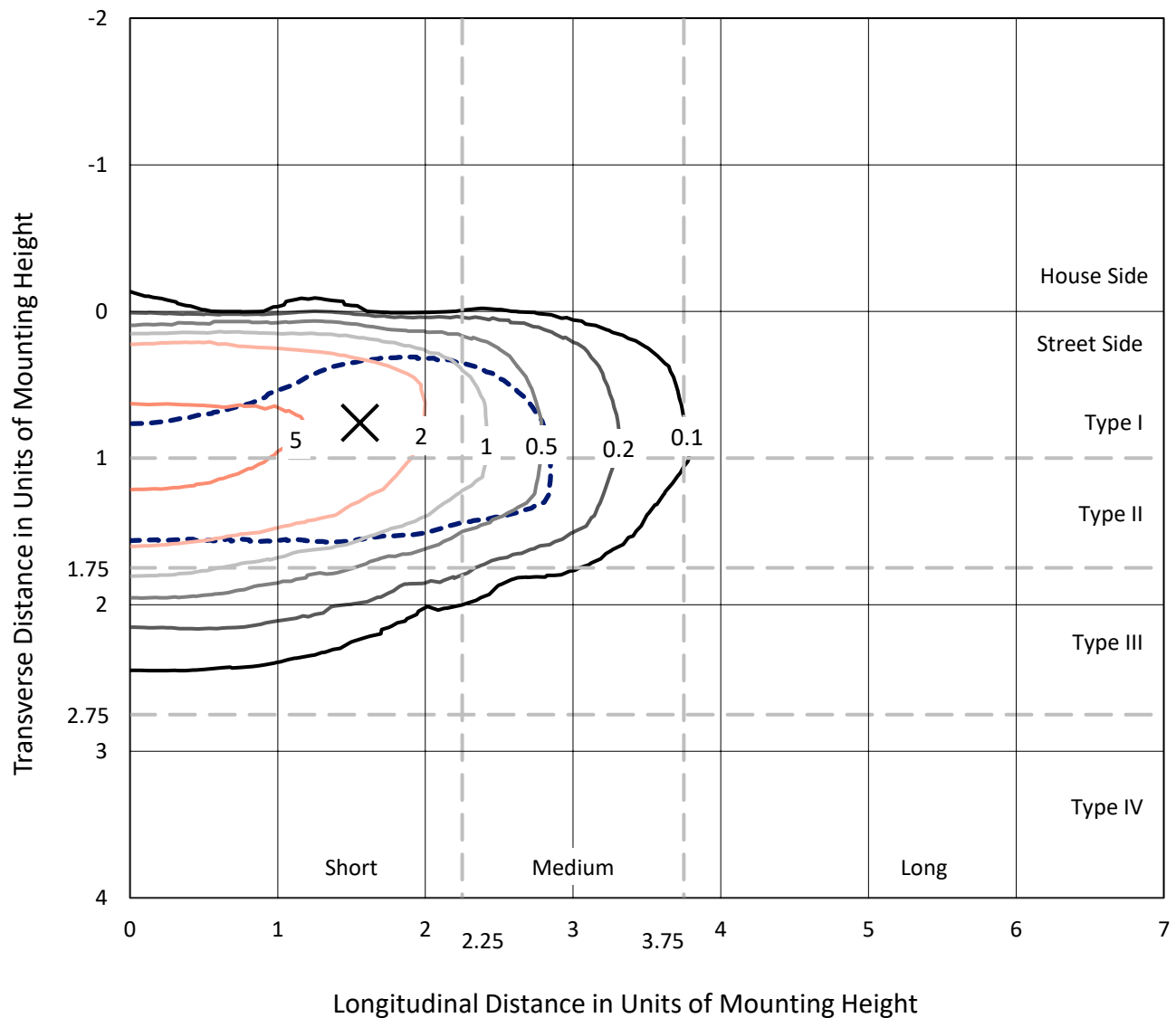


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

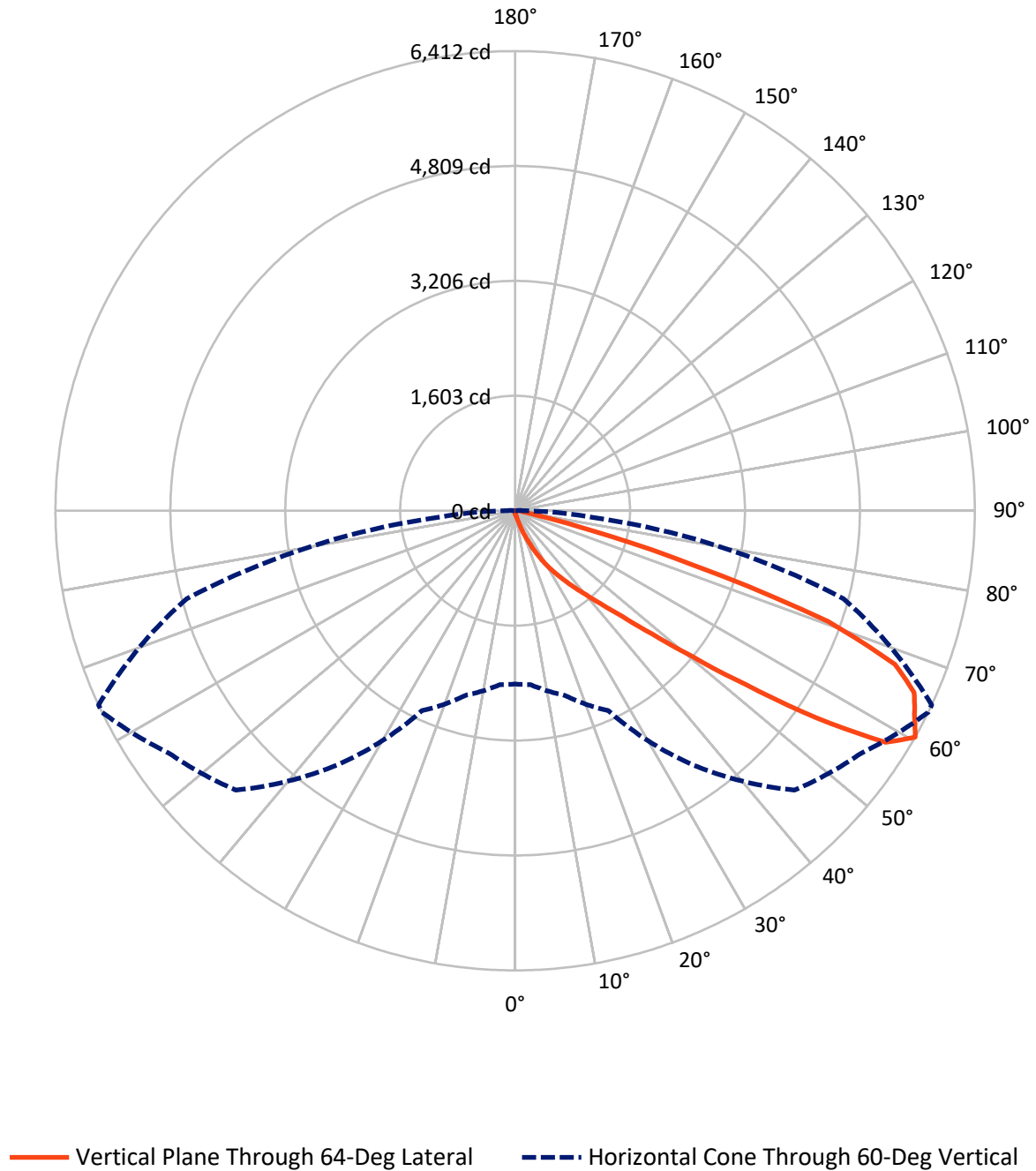


Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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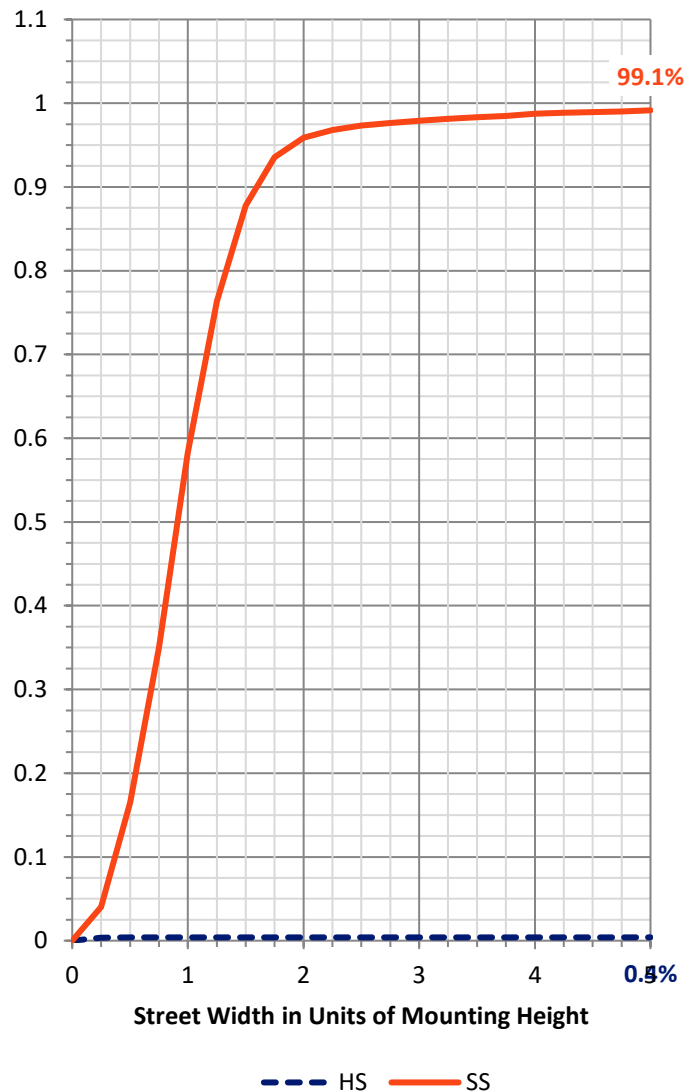
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.1	0.0	23.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5681.8	0.0	5681.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	5704.9	0.0	5704.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	56.1	1.0
20°-30°	186.2	3.3
30°-40°	496.8	8.7
40°-50°	1262.8	22.1
50°-60°	1840.9	32.3
60°-70°	1421.9	24.9
70°-80°	390.5	6.8
80°-90°	44.1	0.8
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°	5704.9	100.0
0°-180°	5704.9	100.0



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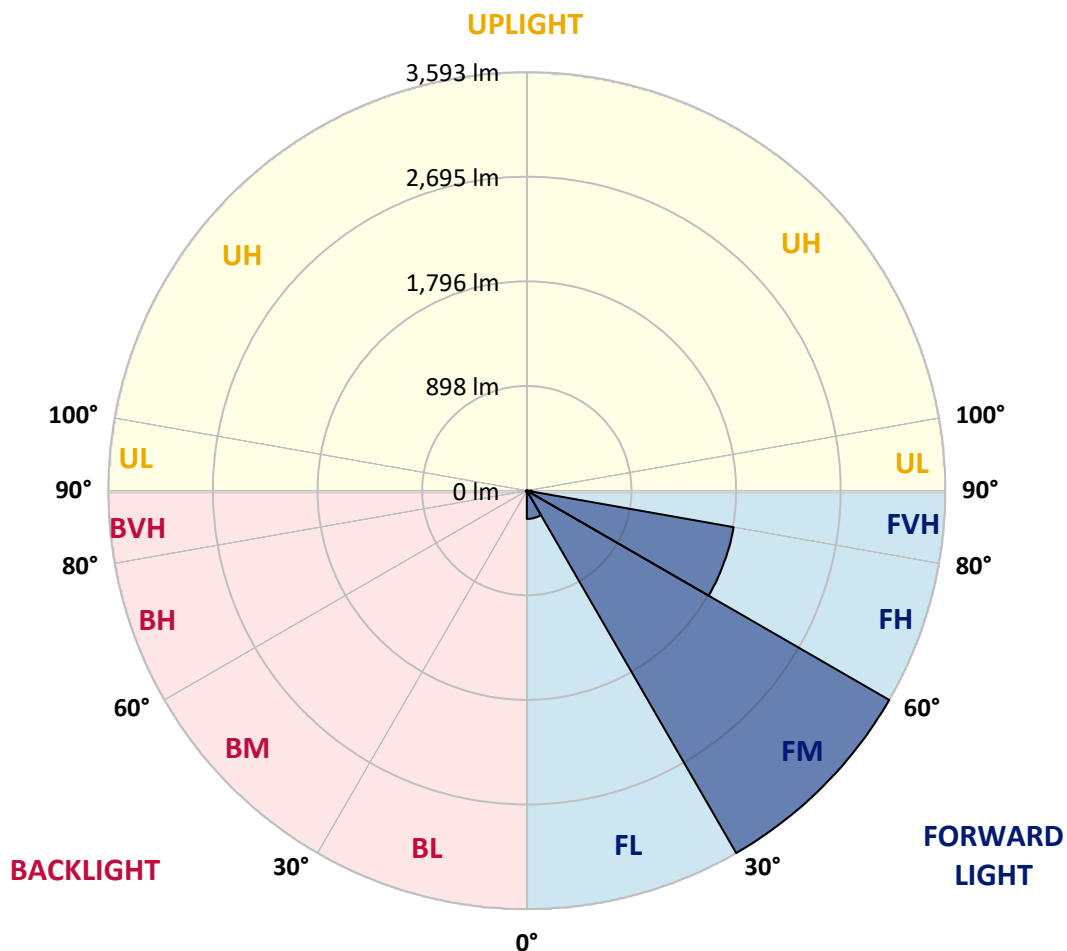
CATALOG NUMBER: NAV-SA1D-730-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.7	4.3			
FM	(30°-60°)	3592.8	63.0			
FH	(60°-80°)	1803.2	31.6			G2/5000
FVH	(80°-90°)	43.0	0.8			G1/100
BL	(0°-30°)	5.2	0.1	B0/110		
BM	(30°-60°)	7.7	0.1	B0/220		
BH	(60°-80°)	9.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G2

Type II Short



REPORT NUMBER: P1067224

CATALOG NUMBER: NAV-SA1D-730-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	50.3	50.3	50.3	48.7	47.1	47.1	45.5	44.0	44.0	40.8	39.3
5°	76.9	76.9	73.8	70.7	66.0	59.7	53.4	48.7	48.7	44.0	40.8
7.5°	150.8	155.5	141.3	124.1	100.5	84.8	67.5	56.5	55.0	47.1	40.8
10°	326.6	323.5	301.5	259.1	204.1	147.6	94.2	69.1	66.0	50.3	40.8
12.5°	491.5	496.2	472.7	425.6	359.6	262.2	161.7	89.5	86.4	55.0	40.8
15°	632.9	632.9	617.1	593.6	521.4	419.3	260.7	133.5	122.5	59.7	39.3
17.5°	730.2	728.6	722.4	716.1	673.7	568.5	398.9	213.6	188.4	70.7	39.3
20°	840.1	835.4	843.3	830.7	797.7	714.5	544.9	317.2	293.7	89.5	39.3
22.5°	954.8	959.5	965.8	953.2	917.1	844.9	698.8	450.7	425.6	124.1	40.8
25°	1100.8	1097.7	1111.8	1100.8	1055.3	970.5	843.3	596.7	560.6	172.7	44.0
27.5°	1279.8	1273.6	1283.0	1254.7	1195.0	1108.7	972.1	745.9	703.5	248.1	50.3
30°	1517.0	1521.7	1479.3	1446.3	1361.5	1246.9	1115.0	906.1	862.1	337.6	56.5
32.5°	1890.7	1857.7	1791.8	1658.3	1546.8	1400.8	1257.9	1045.9	1006.6	452.3	66.0
35°	2473.3	2479.6	2335.1	2005.3	1763.5	1593.9	1414.9	1199.8	1171.5	582.6	78.5
37.5°	3183.1	3165.8	3038.6	2622.5	2080.7	1834.2	1593.9	1367.8	1327.0	723.9	94.2
40°	3987.1	3914.9	3841.1	3558.4	2741.8	2135.7	1820.0	1562.5	1531.1	887.3	119.3
42.5°	4631.0	4612.1	4624.7	4506.9	3844.2	2649.2	2120.0	1801.2	1763.5	1089.8	163.3
45°	4948.2	4921.5	4996.9	5084.8	4915.2	3742.2	2603.7	2105.8	2055.6	1328.5	230.8
47.5°	4863.4	4844.5	5006.3	5179.0	5405.2	5009.4	3393.5	2561.3	2474.9	1634.7	331.3
50°	4445.7	4447.2	4712.6	5034.6	5392.6	5651.7	4563.5	3184.7	3076.3	2041.5	488.4
52.5°	4039.0	4051.5	4332.6	4802.1	5205.7	5727.1	5590.5	4024.8	3848.9	2520.4	673.7
55°	3621.2	3627.5	3875.6	4536.8	5117.8	5502.5	6118.1	5106.8	4919.9	3117.2	854.3
57.5°	3219.2	3219.2	3311.9	3899.2	5022.0	5482.1	6055.3	6096.1	5943.8	3798.7	987.8
60°	2418.3	2434.1	2664.9	3076.3	4331.0	5511.9	5895.1	6411.8	6411.8	4744.0	1089.8
62.5°	1221.7	1245.3	1532.7	1933.1	2971.1	5100.5	5920.2	6253.2	6278.3	5577.9	1322.2
65°	573.2	599.9	753.8	1036.4	1598.6	3589.8	5659.6	6118.1	6110.3	5419.3	1812.2
67.5°	411.4	419.3	471.1	604.6	860.6	1573.5	4320.0	5714.5	5717.7	4604.3	2083.9
70°	369.0	369.0	381.6	420.9	518.2	703.5	2099.6	4627.8	4852.4	3555.3	1931.5
72.5°	364.3	361.2	358.0	359.6	350.2	353.3	720.8	2613.1	2933.4	2487.4	1540.5
75°	354.9	354.9	351.8	340.8	279.5	227.7	248.1	1056.8	1221.7	1661.4	1143.2
77.5°	281.1	309.4	342.3	321.9	256.0	171.2	144.5	306.2	386.3	1019.2	829.1
80°	130.3	131.9	130.3	136.6	163.3	122.5	106.8	149.2	150.8	565.3	513.5
82.5°	94.2	95.8	91.1	81.7	72.2	66.0	87.9	109.9	117.8	259.1	191.6
85°	28.3	26.7	31.4	42.4	50.3	58.1	73.8	92.7	97.4	95.8	28.3
87.5°	12.6	12.6	15.7	22.0	29.8	44.0	64.4	84.8	86.4	98.9	7.9
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: NAV-SA1D-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	39.3	37.7	36.1	34.5	33.0	31.4	29.8	29.8	31.4	31.4	31.4
5°	37.7	36.1	33.0	29.8	28.3	26.7	25.1	25.1	26.7	26.7	26.7
7.5°	37.7	34.5	31.4	28.3	25.1	23.6	22.0	22.0	22.0	23.6	23.6
10°	37.7	34.5	29.8	25.1	22.0	20.4	18.8	17.3	18.8	18.8	18.8
12.5°	36.1	33.0	28.3	23.6	18.8	15.7	14.1	14.1	14.1	14.1	14.1
15°	34.5	31.4	26.7	20.4	15.7	12.6	9.4	9.4	9.4	11.0	11.0
17.5°	33.0	29.8	23.6	15.7	11.0	7.9	6.3	6.3	6.3	7.9	7.9
20°	33.0	28.3	20.4	12.6	7.9	4.7	3.1	3.1	3.1	4.7	6.3
22.5°	33.0	28.3	18.8	9.4	4.7	3.1	1.6	1.6	1.6	1.6	1.6
25°	33.0	26.7	17.3	7.9	3.1	1.6	0.0	0.0	1.6	3.1	4.7
27.5°	33.0	25.1	14.1	4.7	3.1	1.6	0.0	1.6	3.1	3.1	3.1
30°	33.0	25.1	12.6	4.7	1.6	0.0	0.0	1.6	3.1	3.1	4.7
32.5°	34.5	23.6	11.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	36.1	22.0	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	39.3	22.0	6.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	44.0	23.6	6.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	55.0	25.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	76.9	31.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	113.1	47.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	164.9	64.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	202.6	64.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	201.0	40.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	153.9	28.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	130.3	20.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	157.0	15.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	279.5	14.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	449.1	14.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	502.5	14.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	392.6	12.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	215.1	11.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	108.4	7.9	3.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.5	6.3	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	15.7	6.3	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0	0.0
85°	7.9	4.7	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	4.7	4.7	4.7	3.1	3.1	1.6	1.6	0.0	0.0	0.0	1.6
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

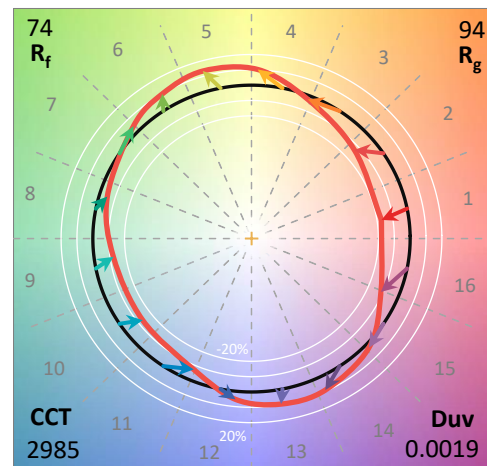
Test Information

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

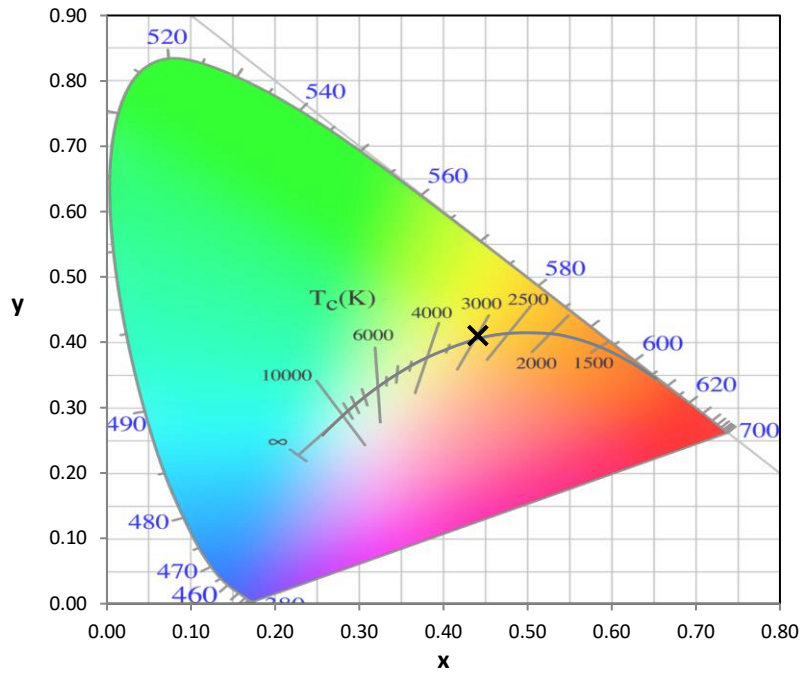
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

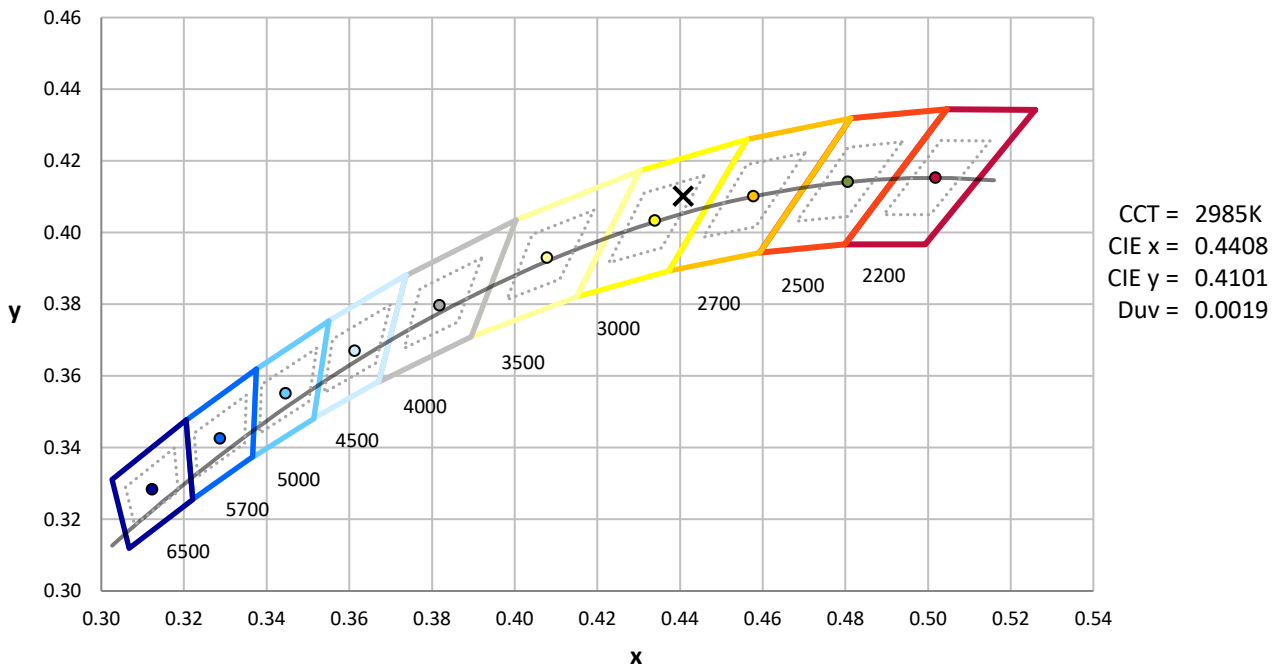
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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

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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	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



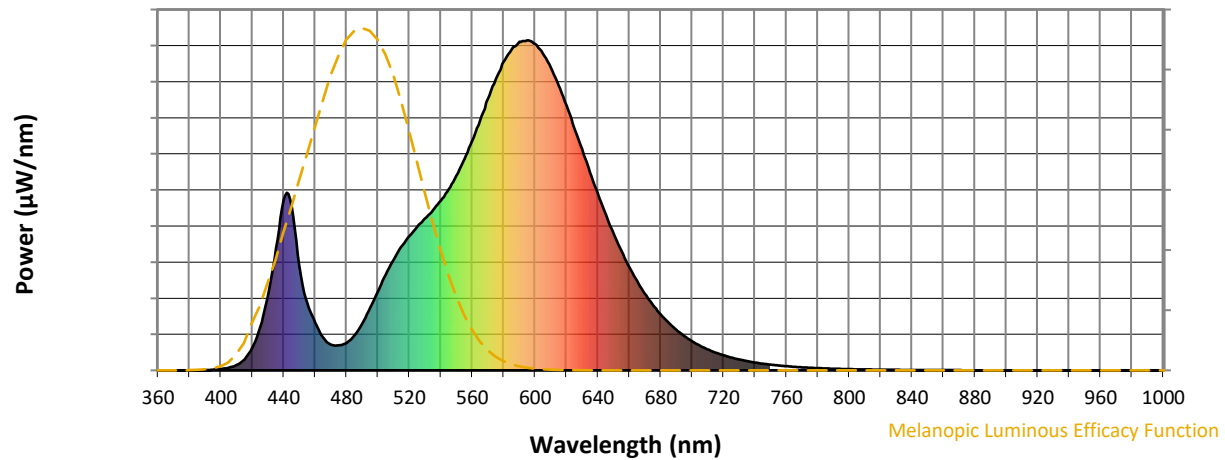
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

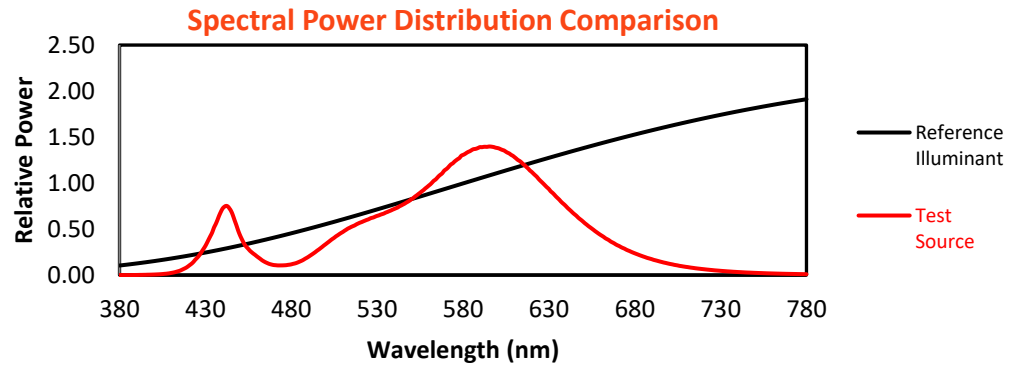
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	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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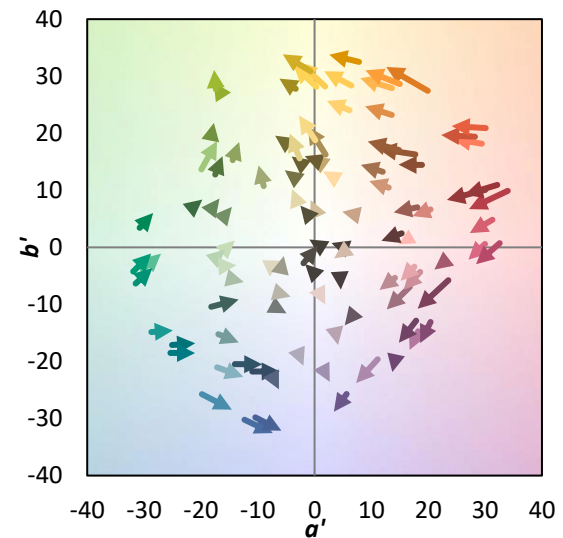
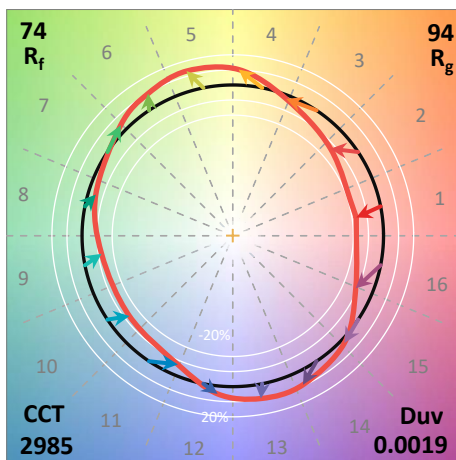
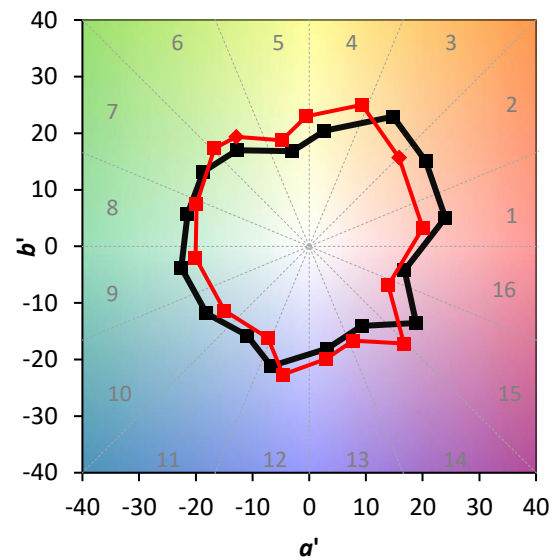
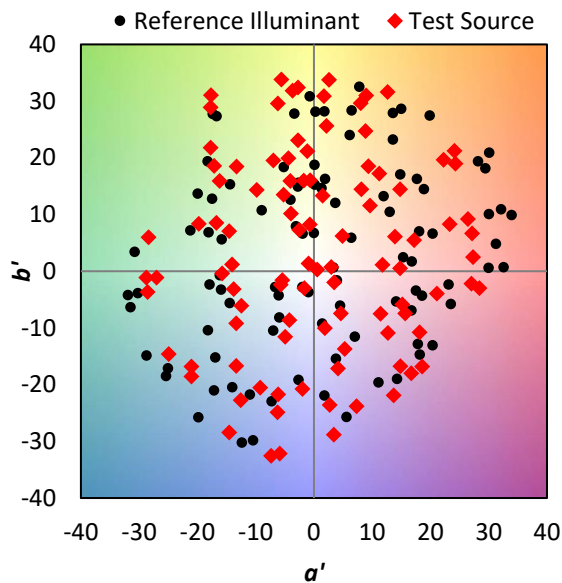
TM-30-18

Summary

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

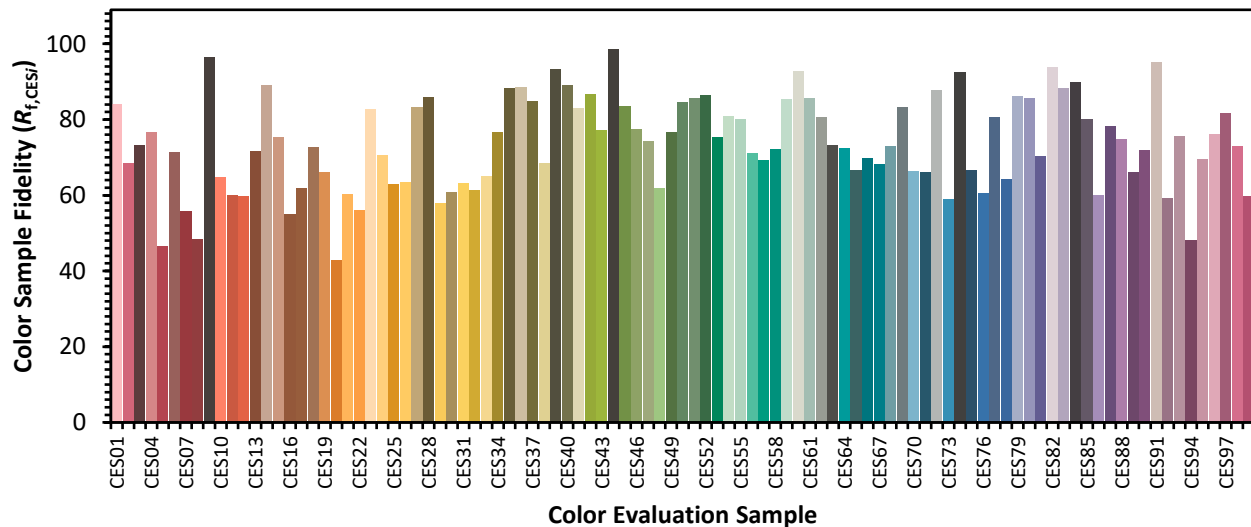


Color Vector Graphics

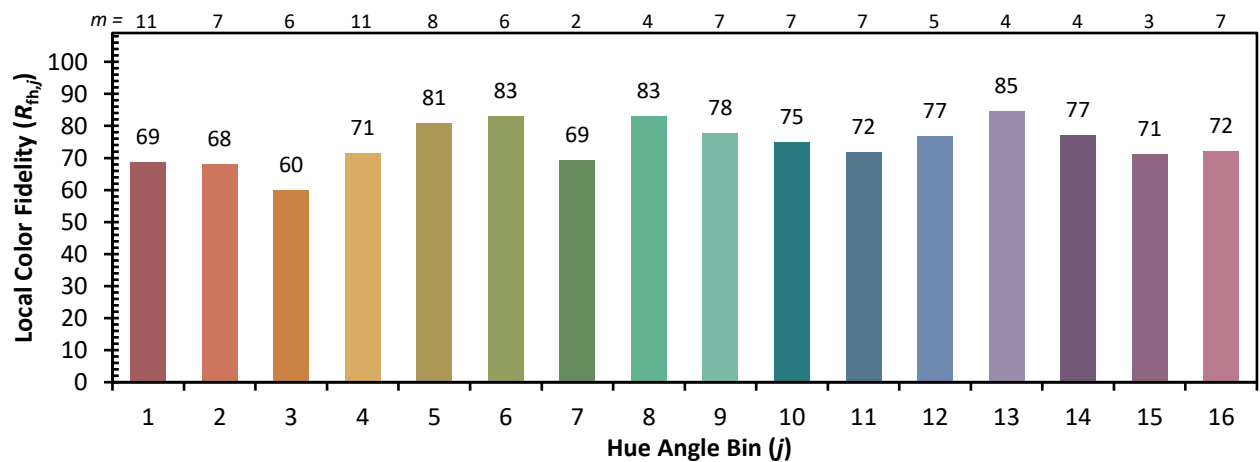
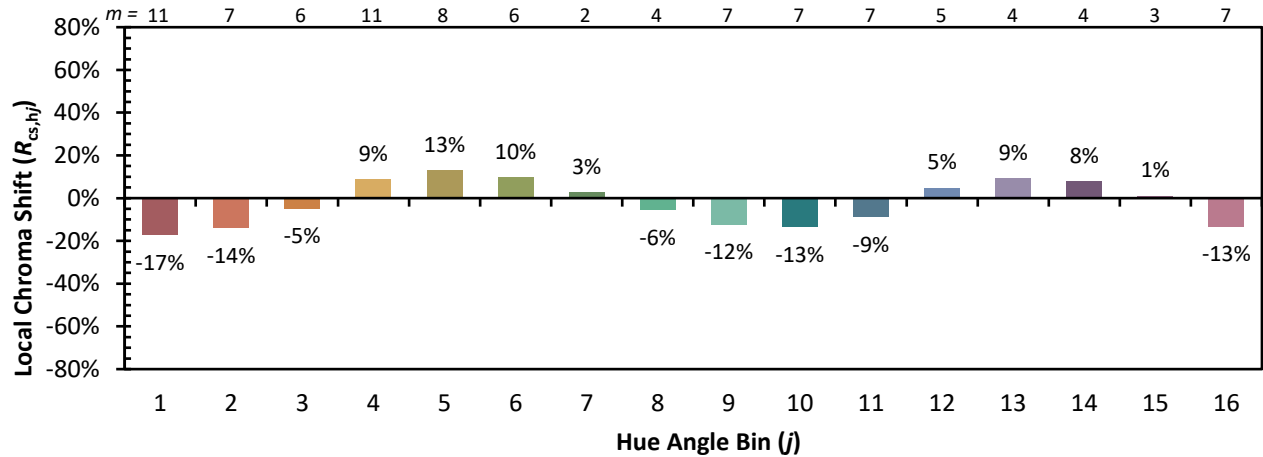


Individual Sample Fidelity Index ($R_{f,i}$)

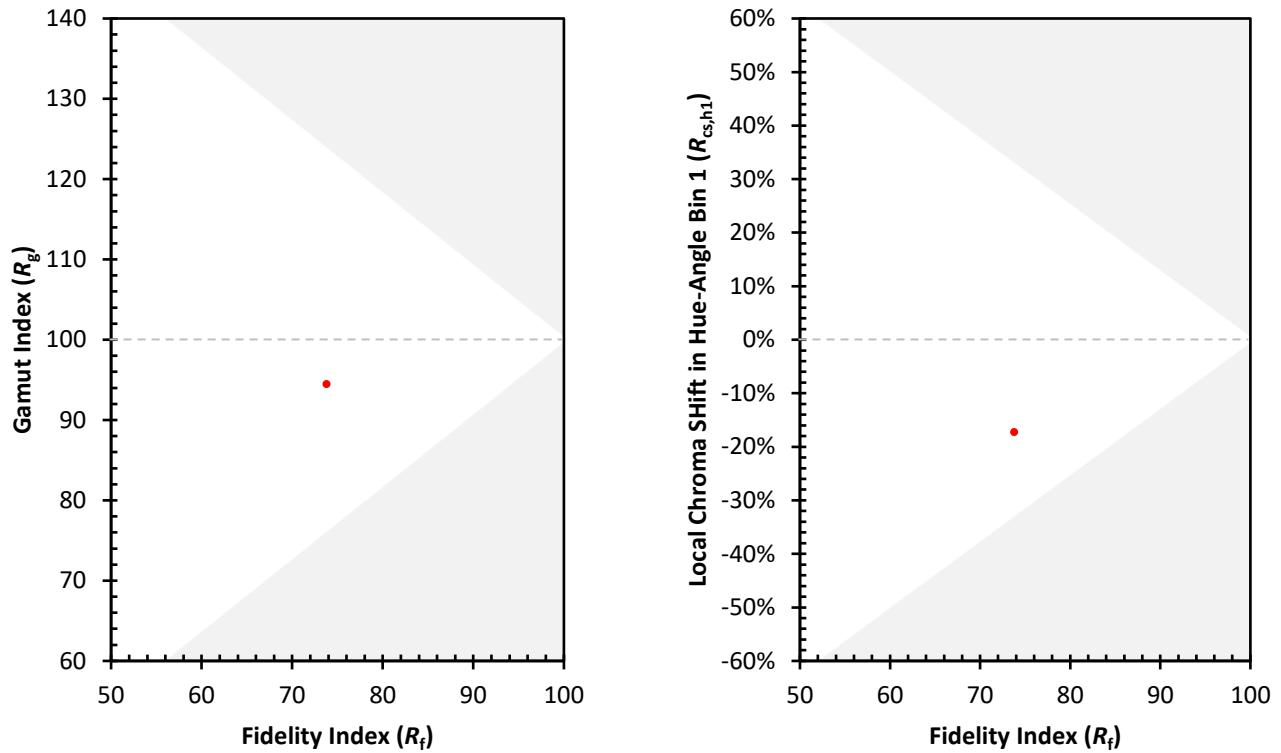
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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