

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: P1067228

Luminaire Tested: **NAV-SA2D-730-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067228
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2D-730-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11009.5 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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

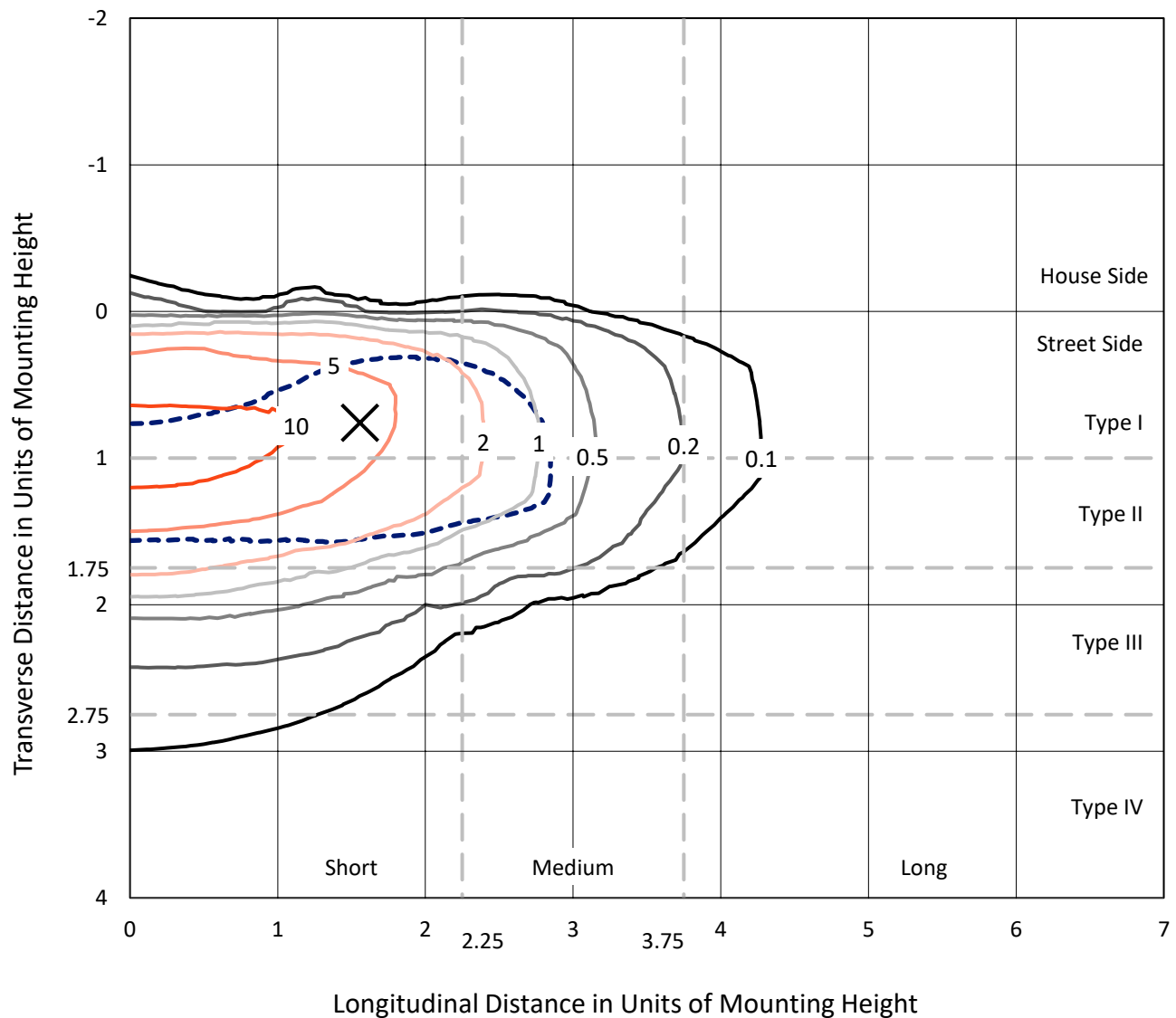


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

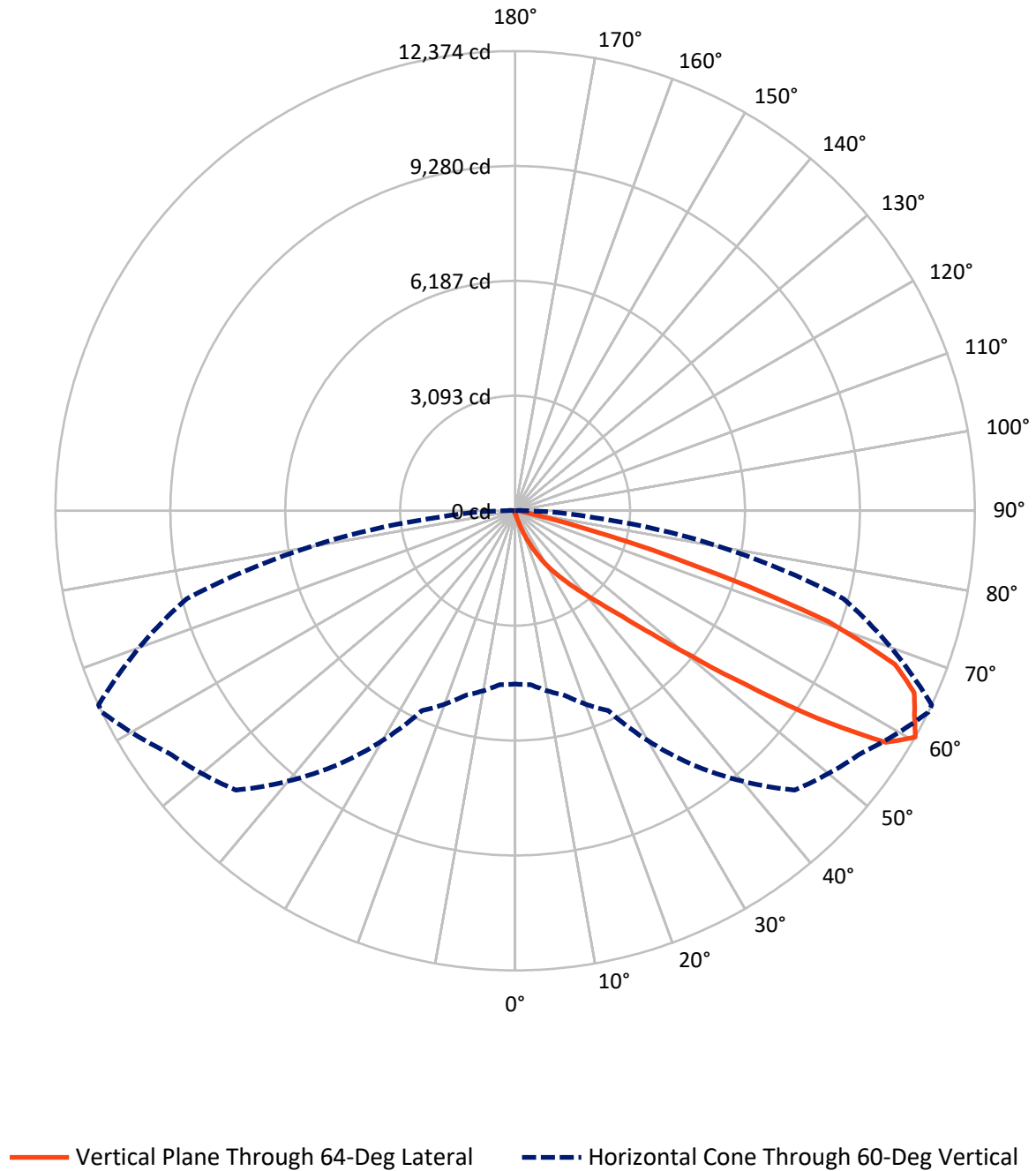


Based on 15 foot mounting height. Maximum calculated value = 15.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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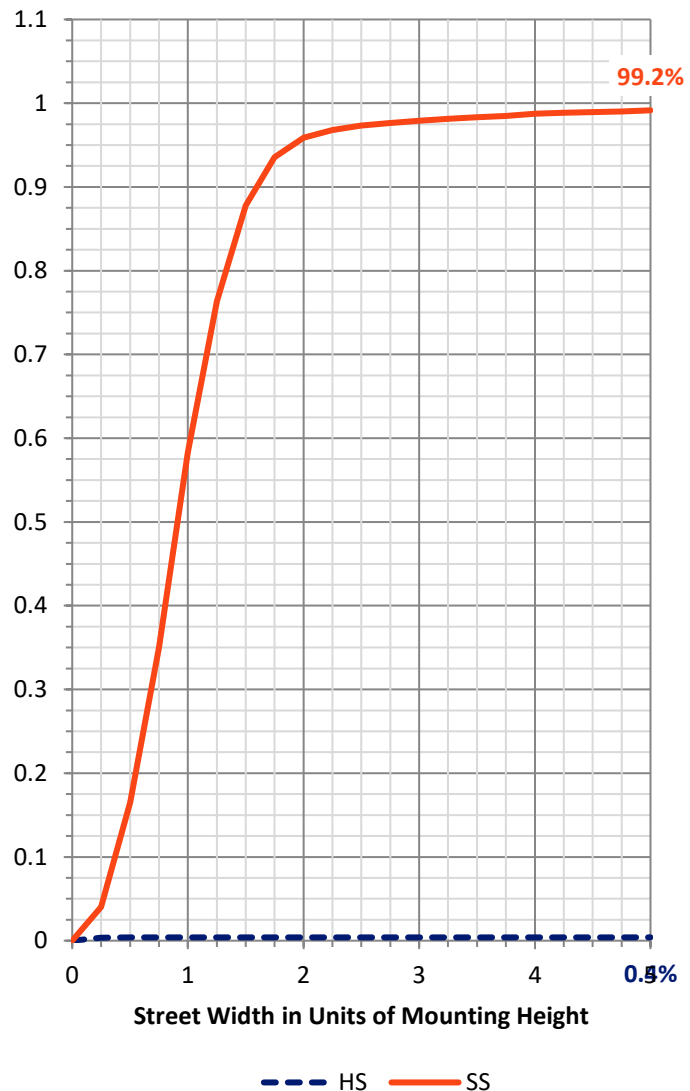
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.6	0.0	44.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10964.9	0.0	10964.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	11009.5	0.0	11009.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	108.2	1.0
20°-30°	359.3	3.3
30°-40°	958.8	8.7
40°-50°	2437.0	22.1
50°-60°	3552.6	32.3
60°-70°	2744.0	24.9
70°-80°	753.6	6.8
80°-90°	85.1	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°	11009.5	100.0
0°-180°	11009.5	100.0



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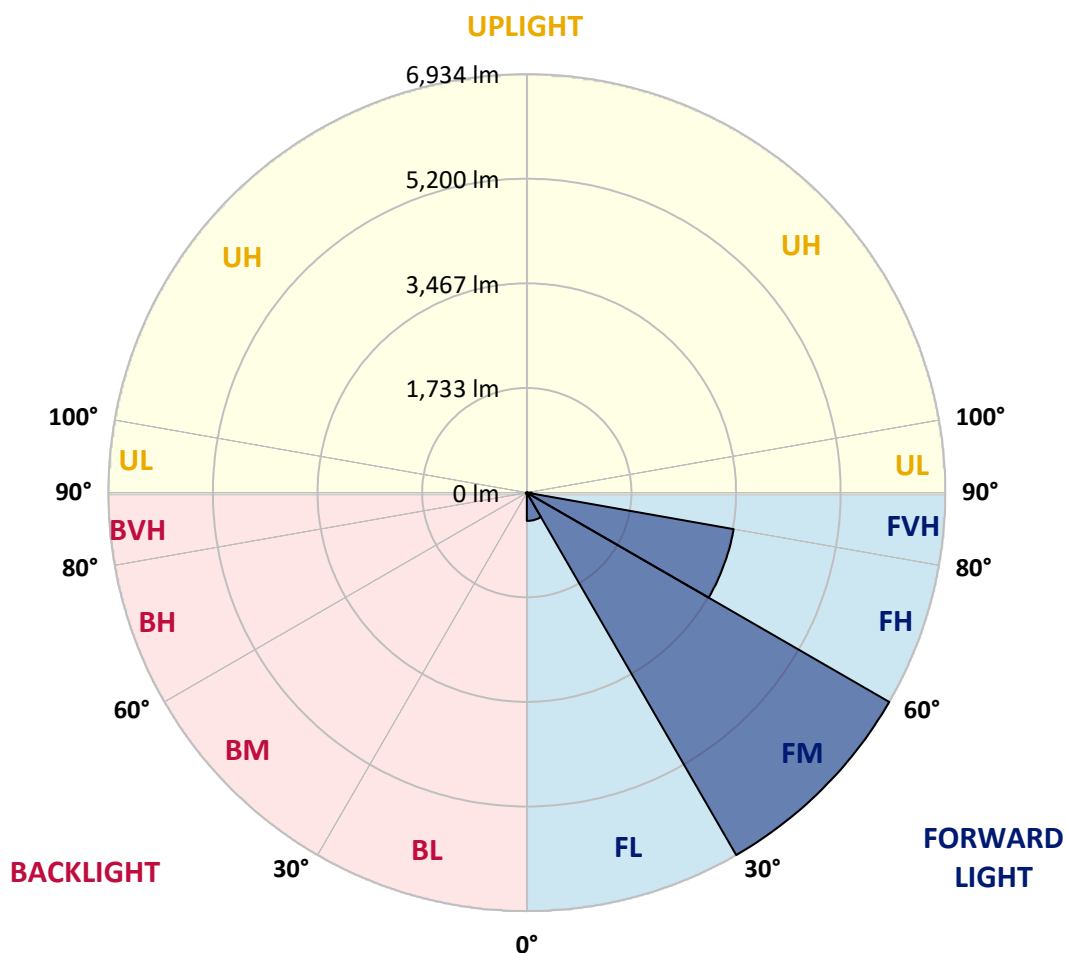
CATALOG NUMBER: NAV-SA2D-730-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	468.4	4.3			
FM	(30°-60°)	6933.6	63.0			
FH	(60°-80°)	3479.8	31.6			G2/5000
FVH	(80°-90°)	83.0	0.8			G1/100
BL	(0°-30°)	10.0	0.1	B0/110		
BM	(30°-60°)	14.8	0.1	B0/220		
BH	(60°-80°)	17.8	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-G2

Type II Short



REPORT NUMBER: P1067228

CATALOG NUMBER: NAV-SA2D-730-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2.5°	97.0	97.0	97.0	93.9	90.9	90.9	87.9	84.9	84.9	78.8	75.8
5°	148.5	148.5	142.4	136.4	127.3	115.2	103.0	93.9	93.9	84.9	78.8
7.5°	290.9	300.0	272.7	239.4	194.0	163.6	130.3	109.1	106.1	90.9	78.8
10°	630.3	624.3	581.9	500.0	394.0	284.9	181.8	133.3	127.3	97.0	78.8
12.5°	948.6	957.6	912.2	821.3	694.0	506.1	312.1	172.7	166.7	106.1	78.8
15°	1221.3	1221.3	1191.0	1145.5	1006.1	809.1	503.1	257.6	236.4	115.2	75.8
17.5°	1409.2	1406.2	1394.0	1381.9	1300.1	1097.0	769.8	412.2	363.7	136.4	75.8
20°	1621.3	1612.2	1627.4	1603.1	1539.5	1378.9	1051.6	612.2	566.7	172.7	75.8
22.5°	1842.6	1851.6	1863.8	1839.5	1769.8	1630.4	1348.6	869.8	821.3	239.4	78.8
25°	2124.4	2118.3	2145.6	2124.4	2036.5	1872.9	1627.4	1151.6	1081.9	333.4	84.9
27.5°	2469.9	2457.8	2475.9	2421.4	2306.2	2139.5	1875.9	1439.5	1357.7	478.8	97.0
30°	2927.5	2936.6	2854.7	2791.1	2627.5	2406.2	2151.7	1748.6	1663.8	651.6	109.1
32.5°	3648.7	3585.1	3457.8	3200.2	2985.1	2703.2	2427.4	2018.3	1942.6	872.8	127.3
35°	4773.1	4785.2	4506.4	3870.0	3403.3	3076.0	2730.5	2315.3	2260.8	1124.3	151.5
37.5°	6142.9	6109.5	5864.1	5061.0	4015.4	3539.6	3076.0	2639.6	2560.8	1397.1	181.8
40°	7694.5	7555.1	7412.7	6867.2	5291.3	4121.5	3512.4	3015.4	2954.8	1712.2	230.3
42.5°	8937.0	8900.6	8924.9	8697.6	7418.7	5112.5	4091.2	3476.0	3403.3	2103.2	315.2
45°	9549.2	9497.7	9643.1	9812.8	9485.5	7221.7	5024.6	4063.9	3967.0	2563.8	445.5
47.5°	9385.5	9349.2	9661.3	9994.7	10431.1	9667.4	6549.0	4942.8	4776.1	3154.8	639.4
50°	8579.4	8582.4	9094.6	9715.8	10406.8	10906.8	8806.7	6145.9	5936.8	3939.7	942.5
52.5°	7794.5	7818.7	8361.2	9267.3	10046.2	11052.3	10788.7	7767.2	7427.8	4864.0	1300.1
55°	6988.4	7000.5	7479.3	8755.2	9876.5	10618.9	11806.9	9855.3	9494.6	6015.6	1648.6
57.5°	6212.6	6212.6	6391.4	7524.8	9691.6	10579.5	11685.7	11764.5	11470.5	7330.8	1906.2
60°	4667.0	4697.3	5142.8	5936.8	8358.2	10637.1	11376.6	12373.6	12373.6	9155.2	2103.2
62.5°	2357.7	2403.2	2957.8	3730.6	5733.7	9843.1	11425.1	12067.5	12116.0	10764.4	2551.7
65°	1106.1	1157.7	1454.6	2000.1	3085.1	6927.8	10922.0	11806.9	11791.8	10458.3	3497.2
67.5°	794.0	809.1	909.2	1166.8	1660.7	3036.6	8337.0	11028.1	11034.1	8885.5	4021.5
70°	712.2	712.2	736.4	812.2	1000.1	1357.7	4051.8	8930.9	9364.3	6861.1	3727.5
72.5°	703.1	697.0	691.0	694.0	675.8	681.9	1391.0	5042.8	5661.0	4800.3	2972.9
75°	684.9	684.9	678.8	657.6	539.4	439.4	478.8	2039.5	2357.7	3206.3	2206.2
77.5°	542.5	597.0	660.7	621.3	494.0	330.3	278.8	591.0	745.5	1966.8	1600.1
80°	251.5	254.6	251.5	263.7	315.2	236.4	206.1	287.9	290.9	1091.0	991.0
82.5°	181.8	184.9	175.8	157.6	139.4	127.3	169.7	212.1	227.3	500.0	369.7
85°	54.5	51.5	60.6	81.8	97.0	112.1	142.4	178.8	187.9	184.9	54.5
87.5°	24.2	24.2	30.3	42.4	57.6	84.9	124.3	163.6	166.7	190.9	15.2
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: P1067228

CATALOG NUMBER: NAV-SA2D-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2.5°	75.8	72.7	69.7	66.7	63.6	60.6	57.6	57.6	60.6	60.6	60.6
5°	72.7	69.7	63.6	57.6	54.5	51.5	48.5	48.5	51.5	51.5	51.5
7.5°	72.7	66.7	60.6	54.5	48.5	45.5	42.4	42.4	42.4	45.5	45.5
10°	72.7	66.7	57.6	48.5	42.4	39.4	36.4	33.3	36.4	36.4	36.4
12.5°	69.7	63.6	54.5	45.5	36.4	30.3	27.3	27.3	27.3	27.3	27.3
15°	66.7	60.6	51.5	39.4	30.3	24.2	18.2	18.2	18.2	21.2	21.2
17.5°	63.6	57.6	45.5	30.3	21.2	15.2	12.1	12.1	12.1	15.2	15.2
20°	63.6	54.5	39.4	24.2	15.2	9.1	6.1	6.1	6.1	9.1	12.1
22.5°	63.6	54.5	36.4	18.2	9.1	6.1	3.0	3.0	3.0	3.0	3.0
25°	63.6	51.5	33.3	15.2	6.1	3.0	0.0	0.0	3.0	6.1	9.1
27.5°	63.6	48.5	27.3	9.1	6.1	3.0	0.0	3.0	6.1	6.1	6.1
30°	63.6	48.5	24.2	9.1	3.0	0.0	0.0	3.0	6.1	6.1	9.1
32.5°	66.7	45.5	21.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	69.7	42.4	18.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	75.8	42.4	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	84.9	45.5	12.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	106.1	48.5	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	148.5	60.6	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	218.2	90.9	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	318.2	124.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	390.9	124.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	387.9	78.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	297.0	54.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	251.5	39.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	303.1	30.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	539.4	27.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	866.7	27.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	969.8	27.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	757.6	24.2	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	415.2	21.2	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	209.1	15.2	6.1	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	87.9	12.1	6.1	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.3	12.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0	0.0
85°	15.2	9.1	9.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0	0.0
87.5°	9.1	9.1	9.1	6.1	6.1	3.0	3.0	0.0	0.0	0.0	3.0
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

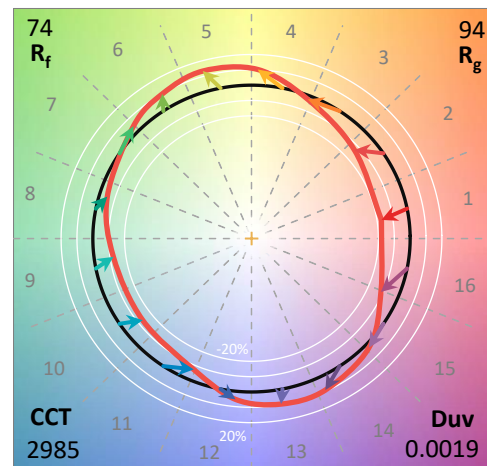
Test Information

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

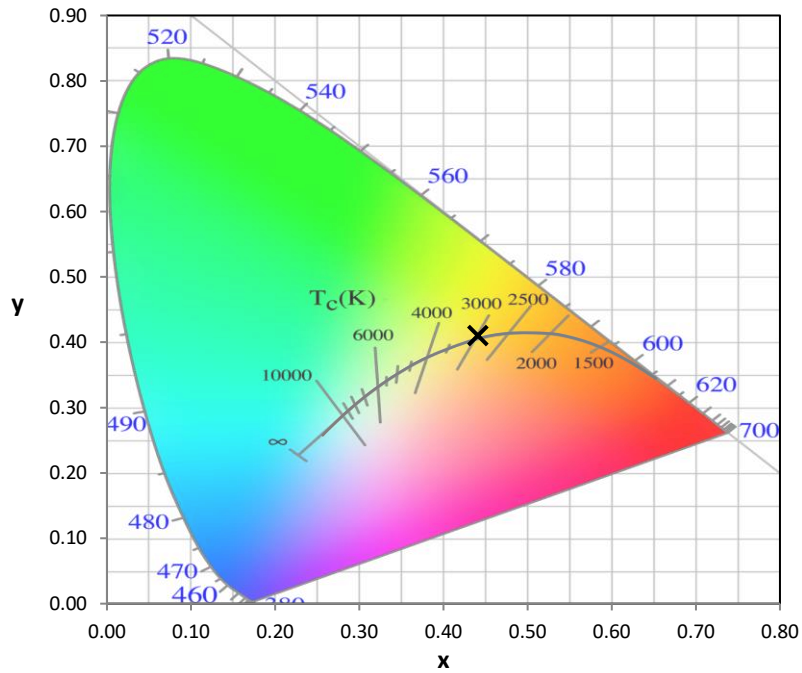
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

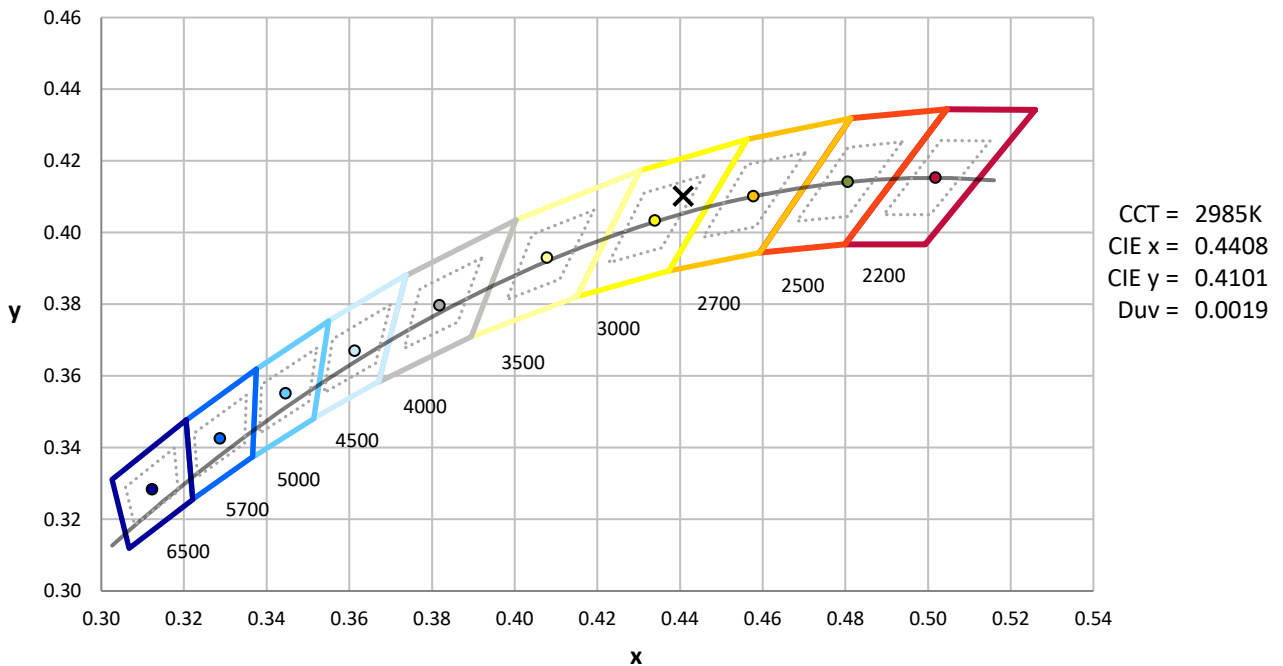
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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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



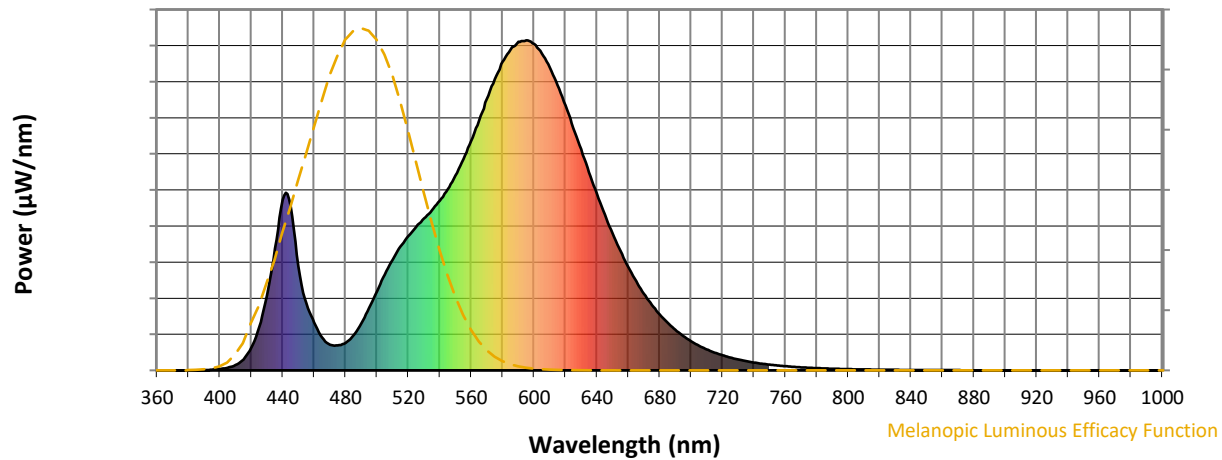
Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power 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

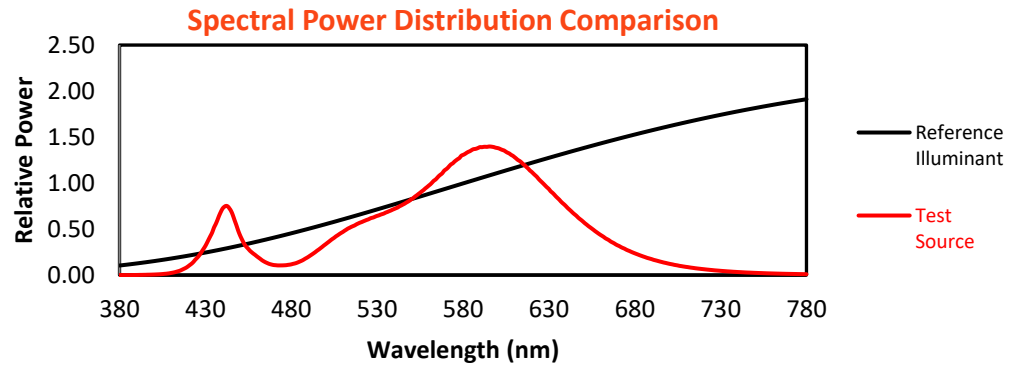
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803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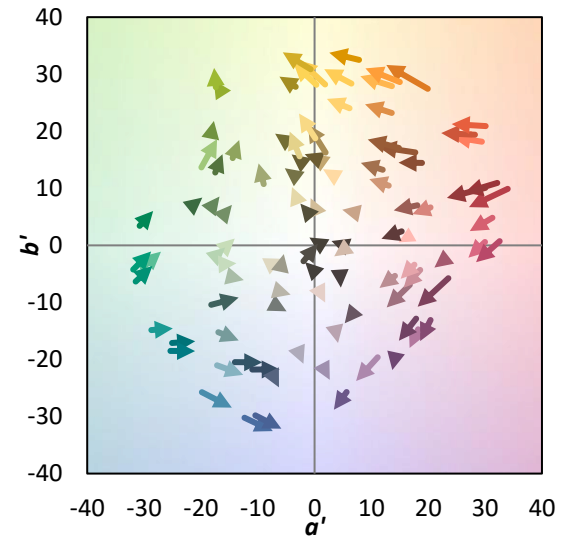
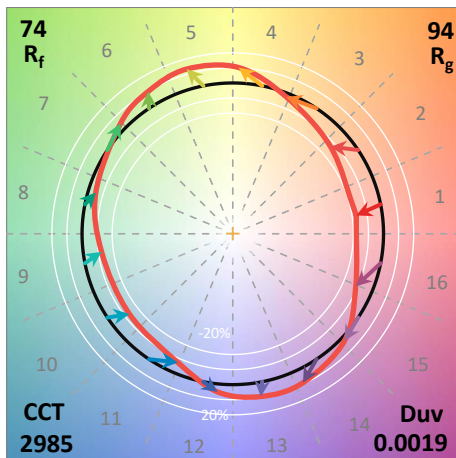
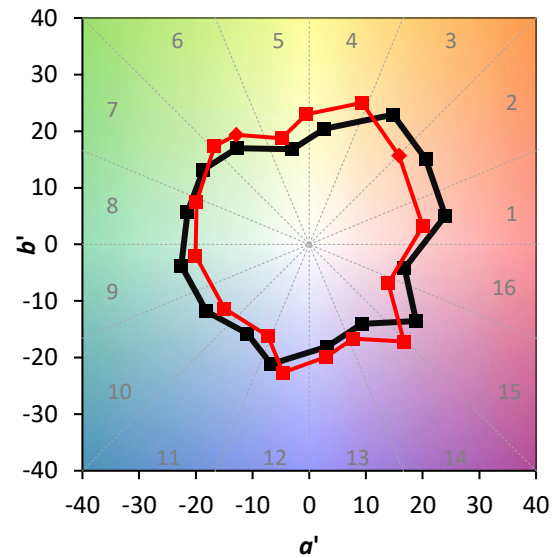
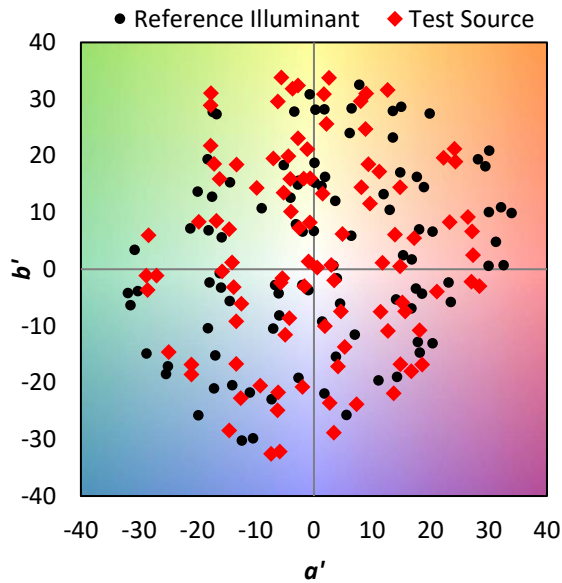
TM-30-18

Summary

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

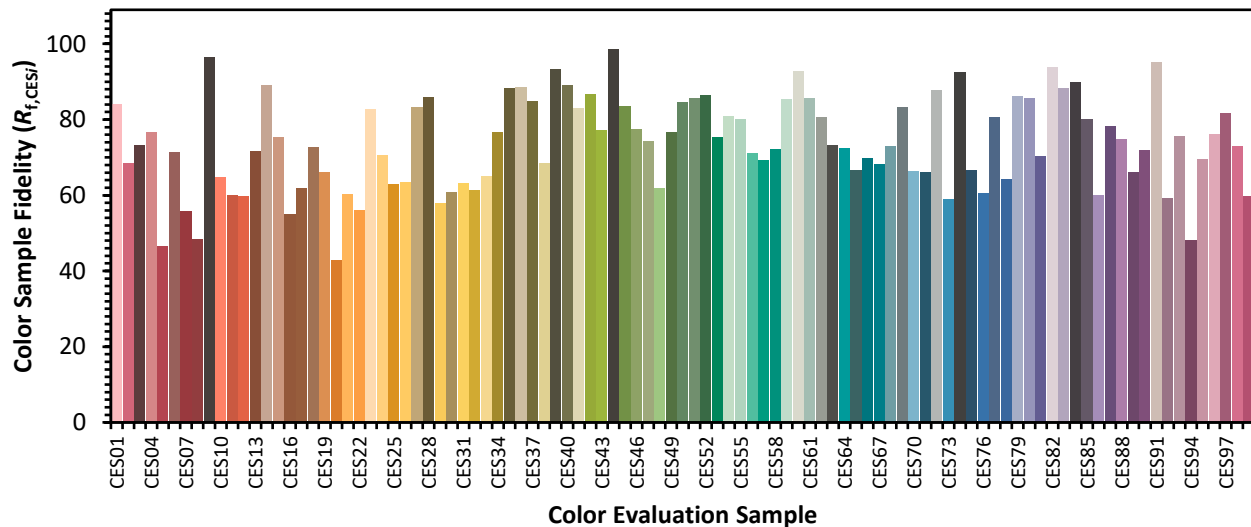


Color Vector Graphics

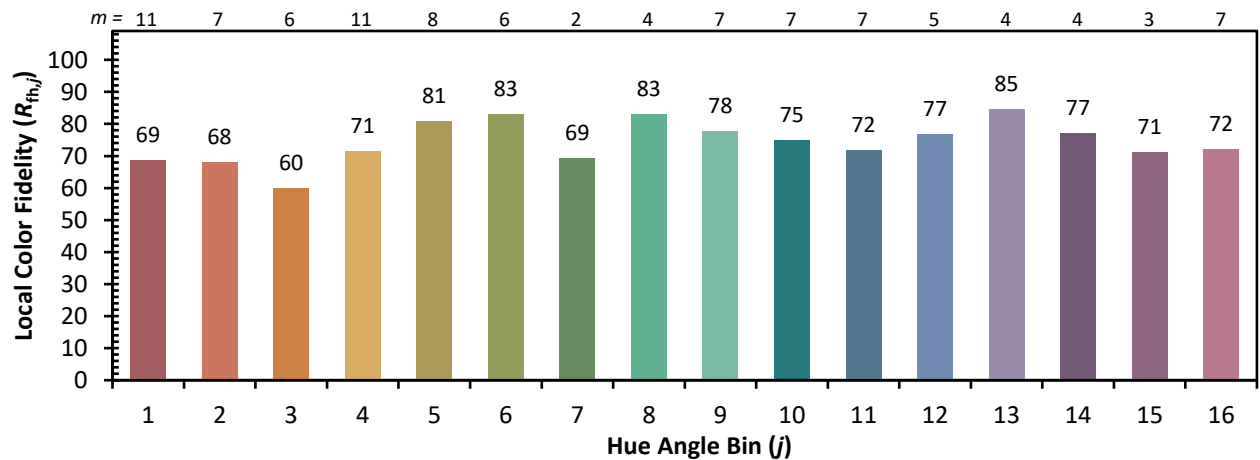
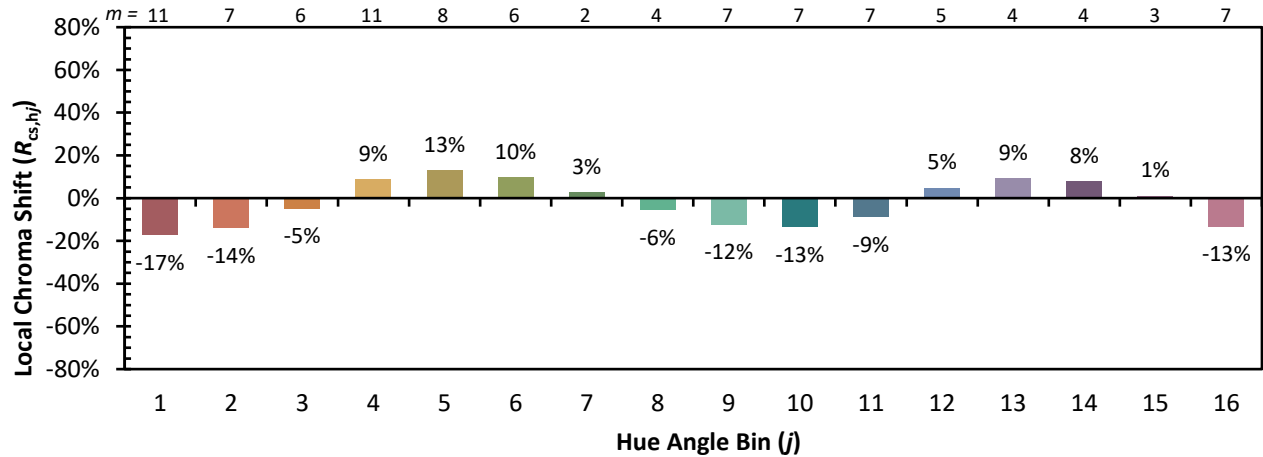


Individual Sample Fidelity Index ($R_{f,i}$)

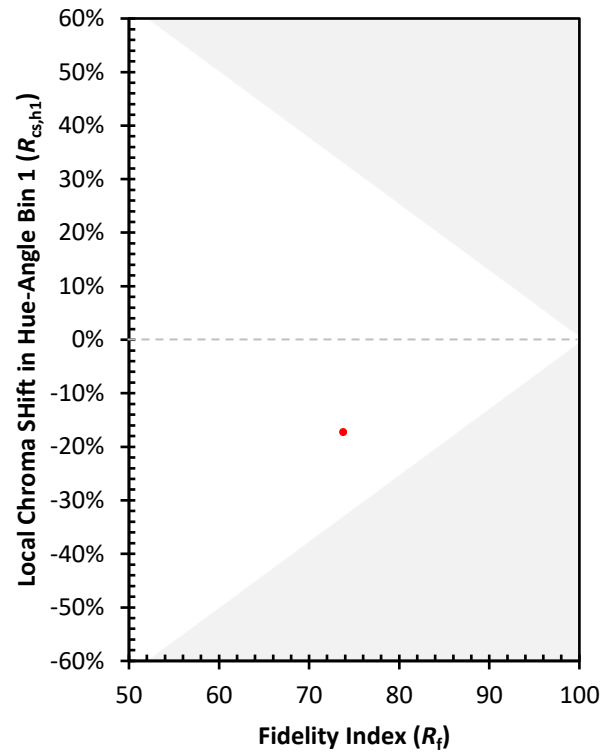
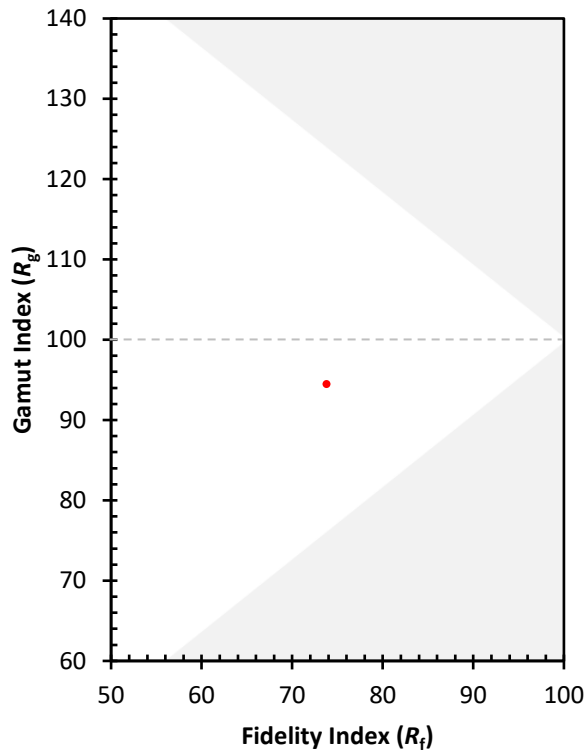
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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