

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: P1067464

Luminaire Tested: **NAV-SA1D-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067464
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-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5784.2 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

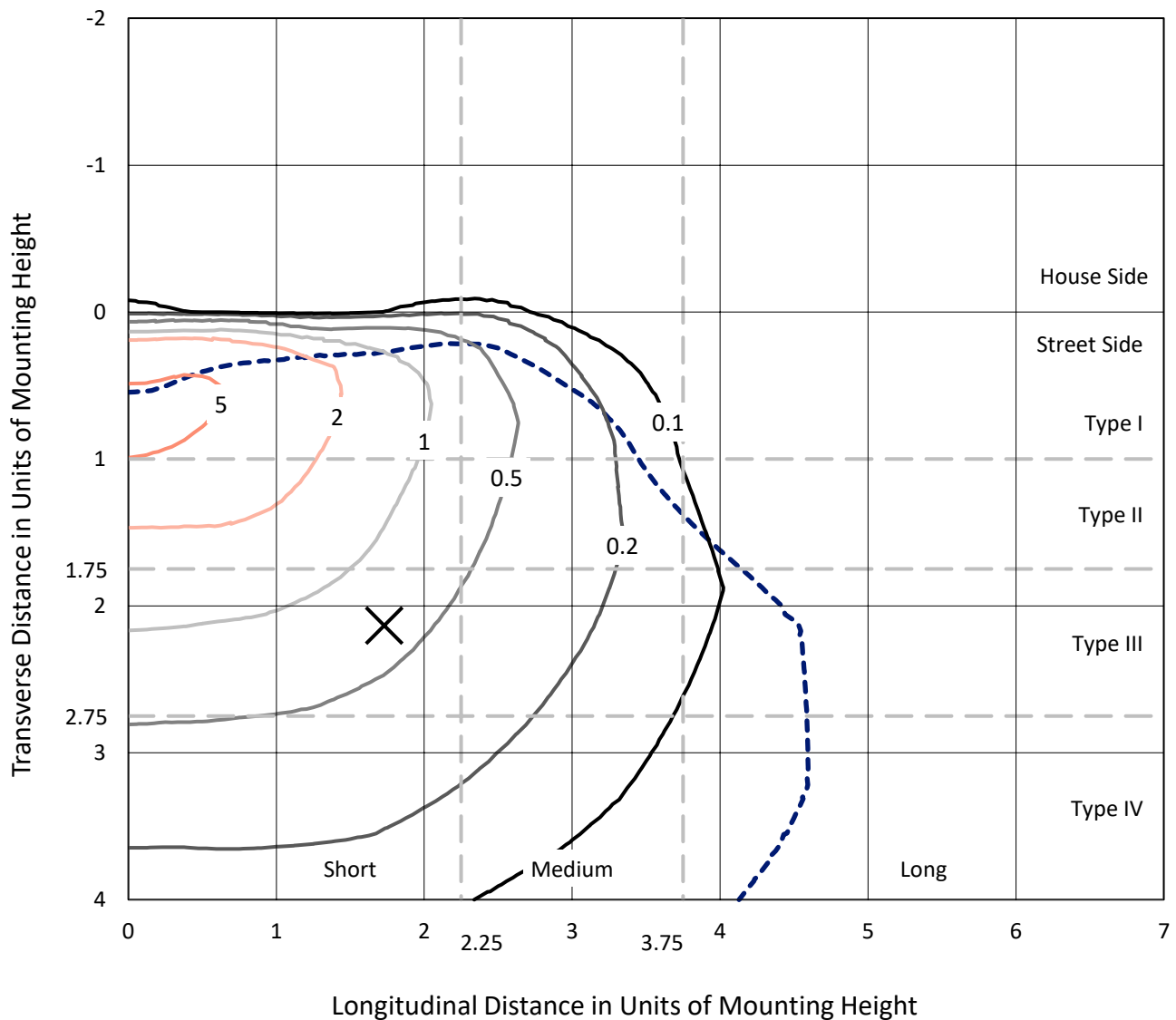


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

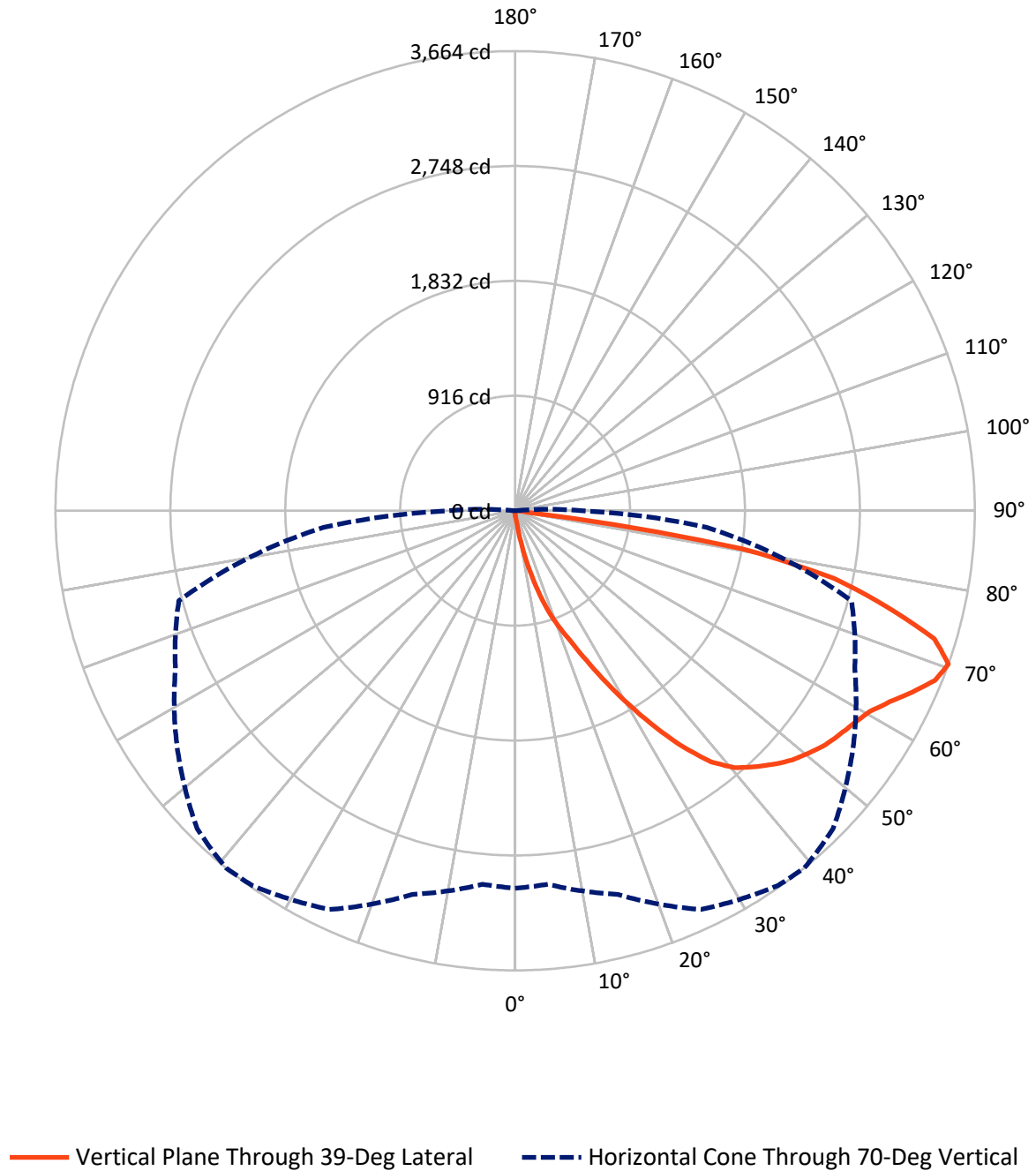


Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NAV-SA1D-730-U-T4BC

Luminous Intensity Polar Plot



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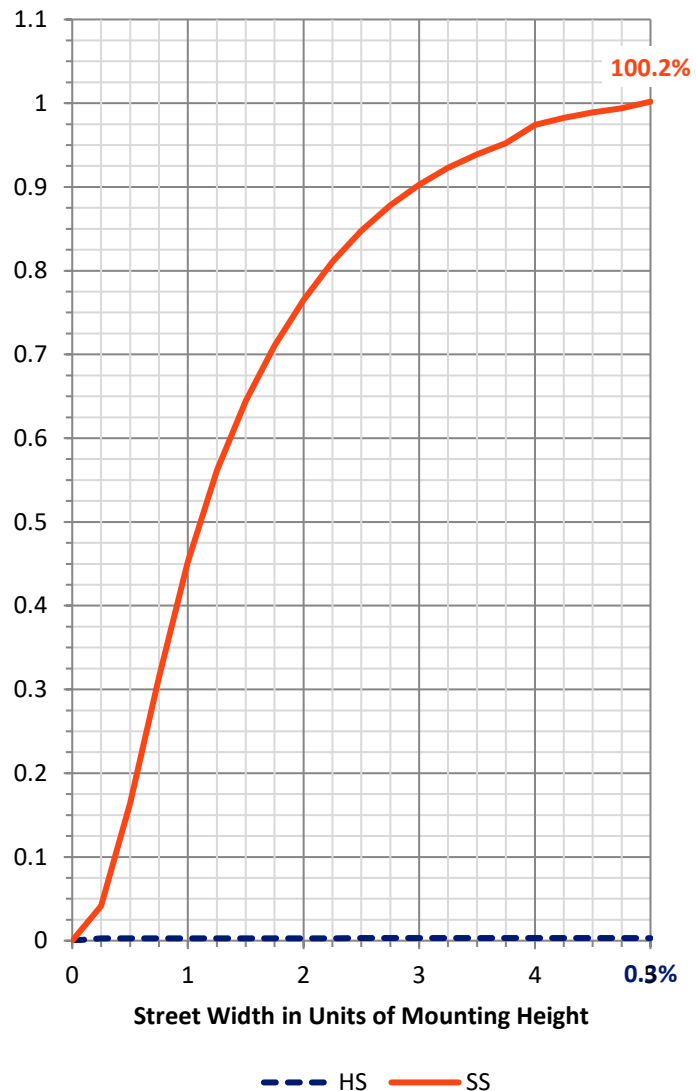
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.8	0.0	17.8
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	5766.4	0.0	5766.4
	% Fixture	99.7	0.0	99.7
Total	Lumens	5784.2	0.0	5784.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	71.1	1.2
20°-30°	241.3	4.2
30°-40°	567.1	9.8
40°-50°	920.9	15.9
50°-60°	1167.0	20.2
60°-70°	1482.3	25.6
70°-80°	1204.4	20.8
80°-90°	124.0	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°	5784.2	100.0
0°-180°	5784.2	100.0



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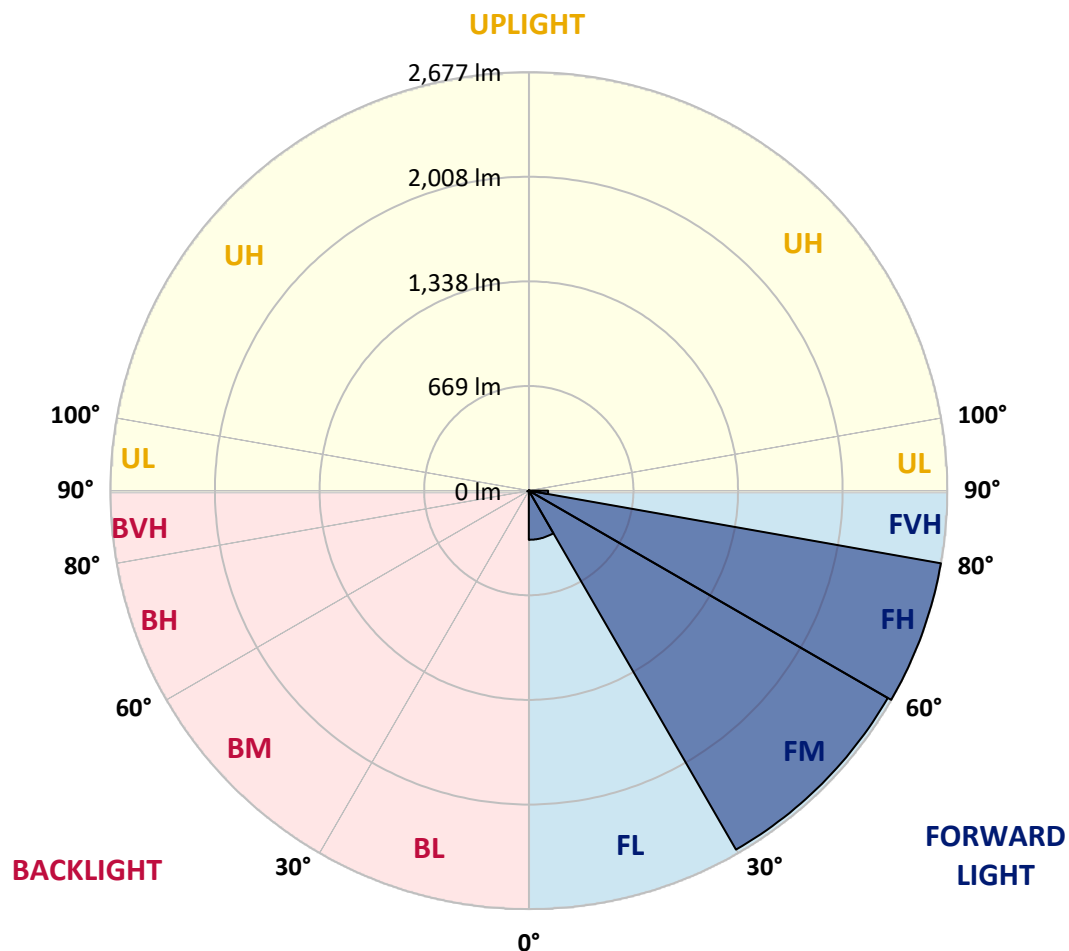
CATALOG NUMBER: NAV-SA1D-730-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.6	5.4			
FM	(30°-60°)	2651.5	45.8			
FH	(60°-80°)	2676.9	46.3			G2/5000
FVH	(80°-90°)	123.3	2.1			G2/225
BL	(0°-30°)	3.9	0.1	B0/110		
BM	(30°-60°)	3.4	0.1	B0/220		
BH	(60°-80°)	9.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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 IV Short



REPORT NUMBER: P1067464

CATALOG NUMBER: NAV-SA1D-730-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	40.8	40.8	40.8	39.3	39.3	37.7	37.7	36.1	34.5	34.5	33.0
5°	76.9	78.5	73.8	64.4	58.1	55.0	51.8	44.0	39.3	36.1	33.0
7.5°	210.4	204.2	194.7	163.3	125.6	106.8	91.1	64.4	47.1	37.7	33.0
10°	442.9	425.6	398.9	356.5	282.7	252.8	196.3	117.8	66.0	42.4	33.0
12.5°	650.1	653.3	620.3	579.5	490.0	439.7	362.8	221.4	103.6	50.3	33.0
15°	807.2	804.0	791.5	758.5	678.4	629.7	560.6	372.2	174.3	62.8	34.5
17.5°	931.2	918.7	914.0	899.8	848.0	821.3	745.9	548.1	276.4	84.8	36.1
20°	1055.3	1052.2	1047.5	1031.7	997.2	978.4	920.2	725.5	411.4	120.9	39.3
22.5°	1235.9	1218.6	1221.8	1187.2	1158.9	1126.0	1078.9	914.0	566.9	172.7	44.0
25°	1447.9	1446.3	1421.2	1405.5	1358.4	1322.3	1259.5	1096.1	739.7	249.7	48.7
27.5°	1697.6	1680.3	1669.3	1642.6	1593.9	1553.1	1466.7	1276.7	926.5	336.1	55.0
30°	1958.3	1958.3	1937.9	1897.0	1849.9	1799.7	1711.7	1466.7	1111.8	446.0	62.8
32.5°	2262.9	2269.2	2219.0	2157.7	2096.5	2061.9	1947.3	1681.9	1289.3	571.6	72.2
35°	2558.2	2550.3	2467.1	2399.6	2354.0	2316.3	2219.0	1917.4	1490.3	717.7	84.8
37.5°	2840.8	2820.4	2682.2	2586.4	2566.0	2540.9	2443.5	2153.0	1689.7	879.4	100.5
40°	3043.4	3012.0	2869.1	2737.2	2707.4	2693.2	2617.8	2366.6	1900.2	1060.0	120.9
42.5°	3131.4	3095.2	2996.3	2889.5	2823.6	2790.6	2724.6	2540.9	2110.6	1261.0	150.8
45°	3148.6	3120.4	3049.7	3024.6	2935.1	2884.8	2795.3	2665.0	2306.9	1460.5	191.6
47.5°	3085.8	3073.3	3030.9	3084.2	3038.7	2969.6	2861.3	2757.6	2481.2	1702.3	248.1
50°	2931.9	2922.5	2942.9	3082.7	3114.1	3035.6	2933.5	2829.8	2632.0	1952.0	328.2
52.5°	2724.6	2723.1	2818.9	3041.8	3147.1	3098.4	3004.2	2902.1	2751.3	2193.8	441.3
55°	2498.5	2525.2	2693.2	3004.2	3165.9	3143.9	3073.3	2966.5	2858.1	2418.4	623.4
57.5°	2479.6	2468.7	2630.4	2988.5	3176.9	3189.5	3142.4	3034.0	2949.2	2602.1	866.9
60°	2668.1	2643.0	2704.2	3021.4	3225.6	3247.6	3211.5	3085.8	3040.3	2746.6	1187.2
62.5°	2886.4	2862.8	2894.2	3148.6	3321.4	3352.8	3307.2	3139.2	3114.1	2847.1	1531.1
65°	3060.7	3041.8	3101.5	3338.7	3454.9	3481.6	3450.2	3238.1	3147.1	2928.8	1810.7
67.5°	3089.0	3065.4	3189.5	3465.9	3589.9	3608.8	3583.6	3333.9	3136.1	2935.1	1875.0
70°	3008.9	2988.5	3165.9	3506.7	3648.0	3663.7	3583.6	3288.4	2986.9	2774.9	1532.7
72.5°	2762.3	2778.0	3007.3	3407.8	3567.9	3495.7	3326.1	3059.1	2793.7	2352.4	1075.7
75°	2379.1	2396.4	2701.1	3136.1	3148.6	3060.7	2969.6	2814.1	2500.1	1550.0	745.9
77.5°	1691.3	1630.1	2085.5	2589.6	2544.0	2600.6	2608.4	2341.5	2093.3	807.2	499.4
80°	166.5	141.3	262.3	742.8	1641.1	1834.2	1909.6	1804.4	1543.7	361.2	262.3
82.5°	36.1	36.1	39.3	42.4	66.0	98.9	453.8	1111.8	997.2	183.7	84.8
85°	20.4	20.4	25.1	29.8	39.3	44.0	51.8	69.1	268.5	66.0	15.7
87.5°	15.7	17.3	20.4	25.1	33.0	36.1	44.0	55.0	67.5	61.2	4.7
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: P1067464

CATALOG NUMBER: NAV-SA1D-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
2.5°	33.0	31.4	29.8	28.3	26.7	26.7	25.1	25.1	25.1	25.1	25.1
5°	31.4	29.8	28.3	25.1	23.6	22.0	20.4	20.4	20.4	20.4	20.4
7.5°	31.4	29.8	26.7	23.6	20.4	18.8	17.3	15.7	15.7	17.3	17.3
10°	31.4	28.3	23.6	20.4	17.3	15.7	14.1	12.6	12.6	12.6	12.6
12.5°	29.8	26.7	22.0	18.8	15.7	12.6	9.4	7.9	7.9	7.9	7.9
15°	28.3	25.1	20.4	15.7	11.0	7.9	6.3	4.7	4.7	4.7	4.7
17.5°	28.3	23.6	18.8	14.1	7.9	4.7	3.1	1.6	1.6	1.6	3.1
20°	28.3	23.6	17.3	11.0	4.7	3.1	3.1	1.6	0.0	1.6	1.6
22.5°	28.3	22.0	14.1	7.9	4.7	3.1	1.6	0.0	0.0	0.0	0.0
25°	29.8	22.0	12.6	6.3	3.1	1.6	0.0	0.0	0.0	0.0	0.0
27.5°	29.8	20.4	11.0	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	31.4	20.4	9.4	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	31.4	18.8	6.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	31.4	17.3	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	31.4	15.7	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	33.0	14.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	34.5	12.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	36.1	11.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	40.8	11.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	47.1	11.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	56.5	11.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	73.8	9.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	106.8	9.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	179.0	9.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	314.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	530.8	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	692.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	526.1	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	251.3	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	111.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	48.7	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.8	3.1	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	7.9	3.1	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	4.7	3.1	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	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: SP1-2407-184-4

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

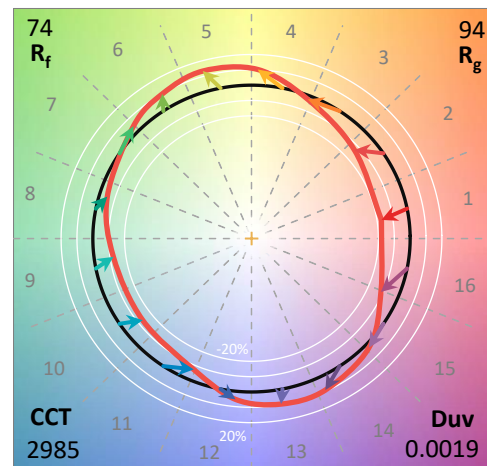
Test Information

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

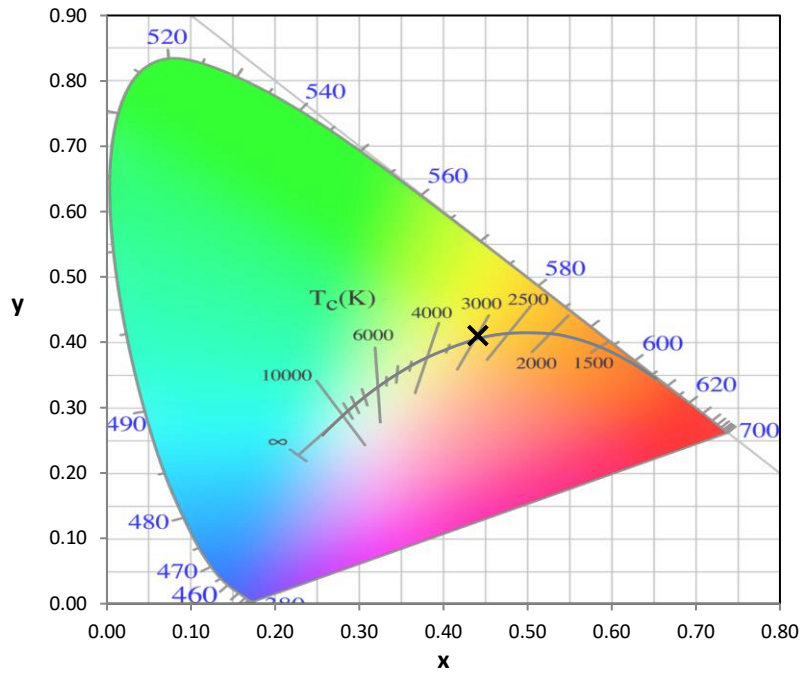
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

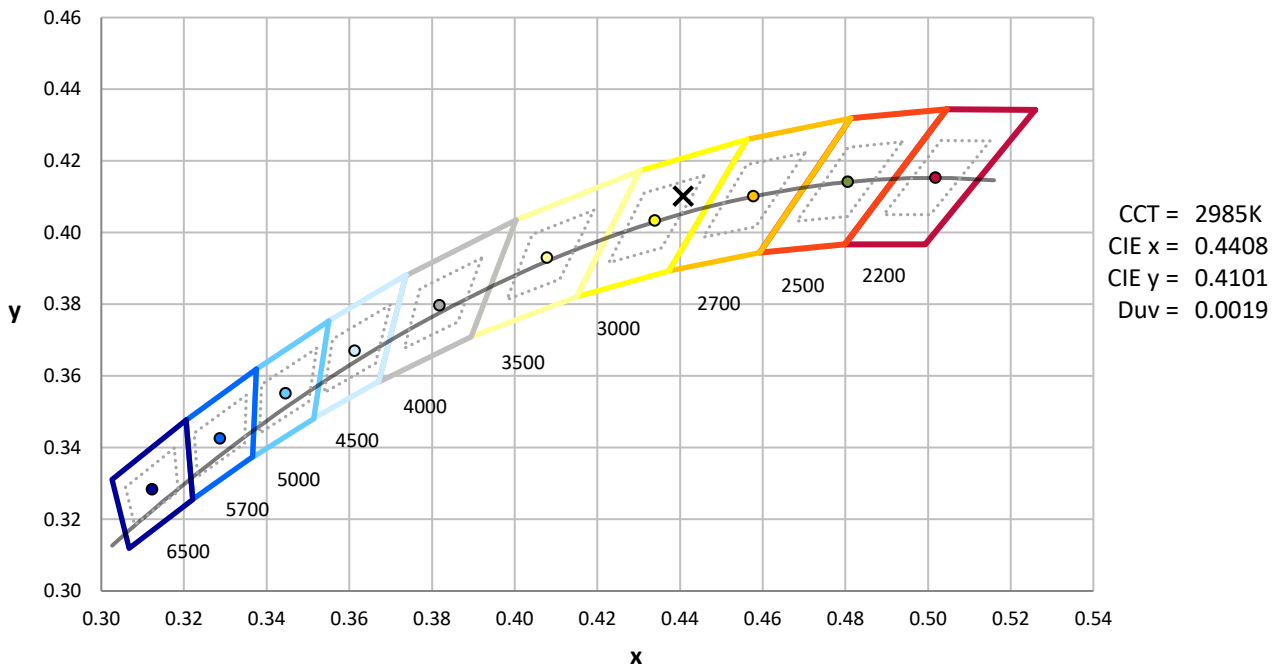
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



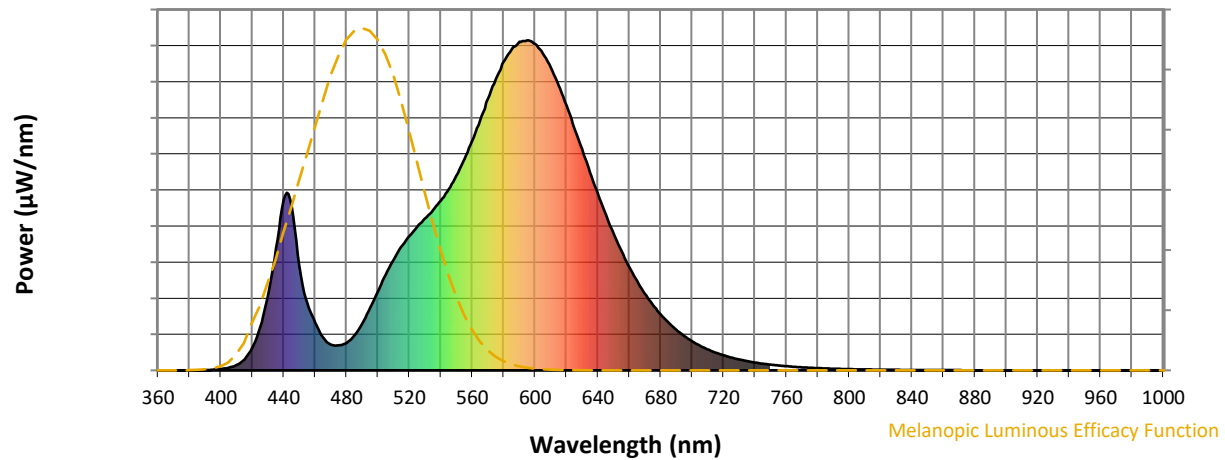
Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power W ^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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

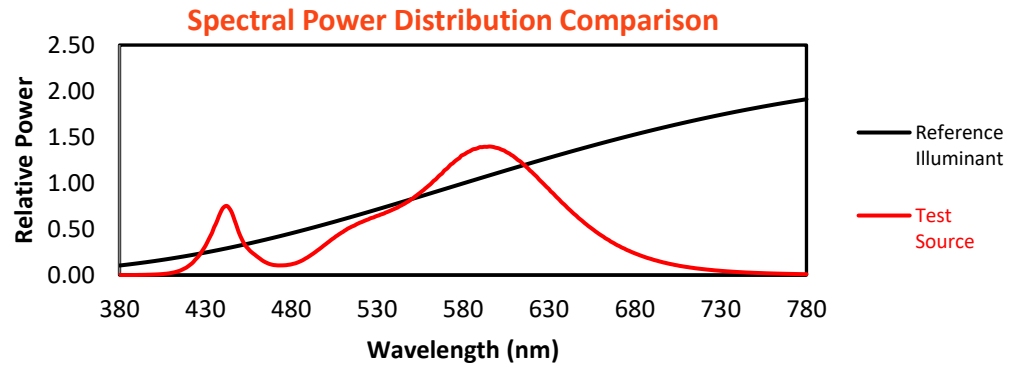
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803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

REPORT NUMBER: SP1-2407-184-4

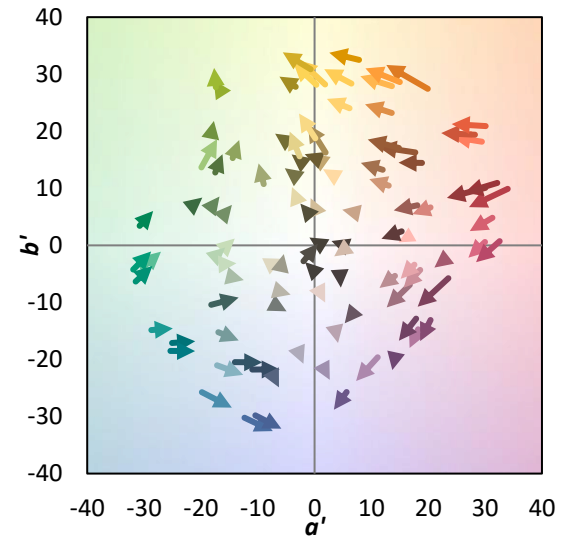
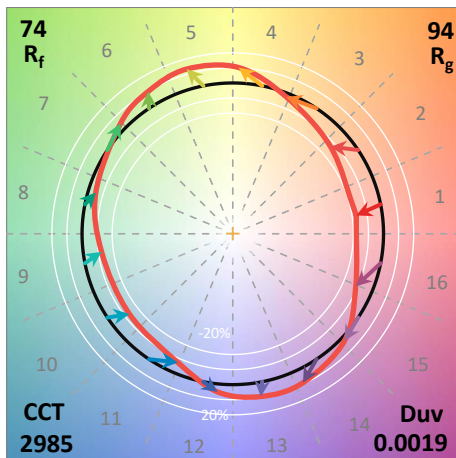
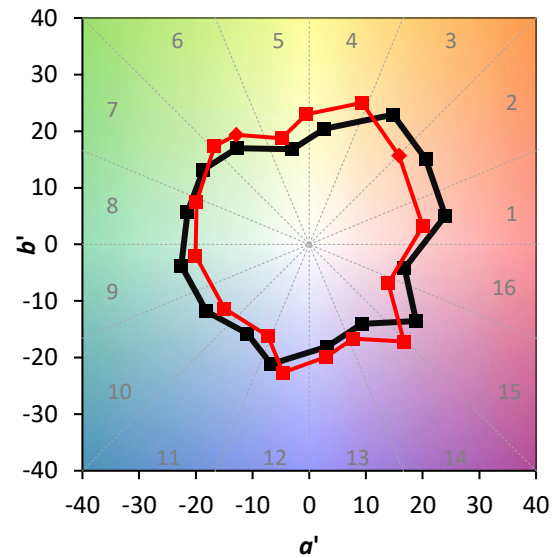
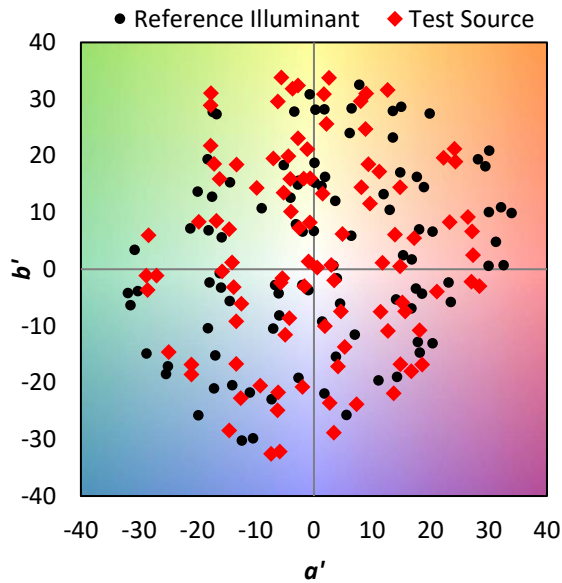
TM-30-18

Summary

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

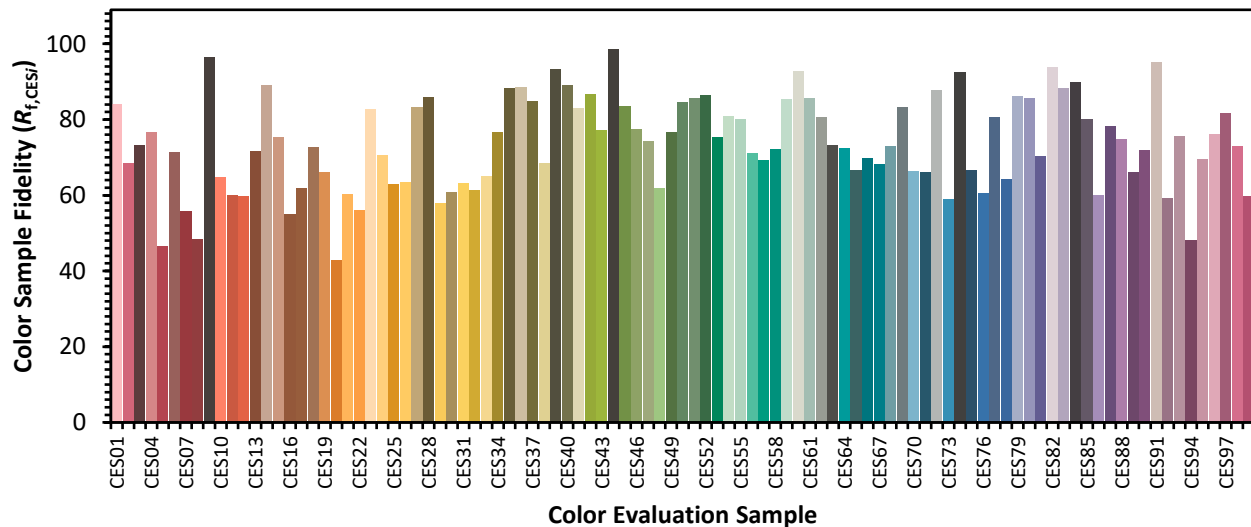


Color Vector Graphics

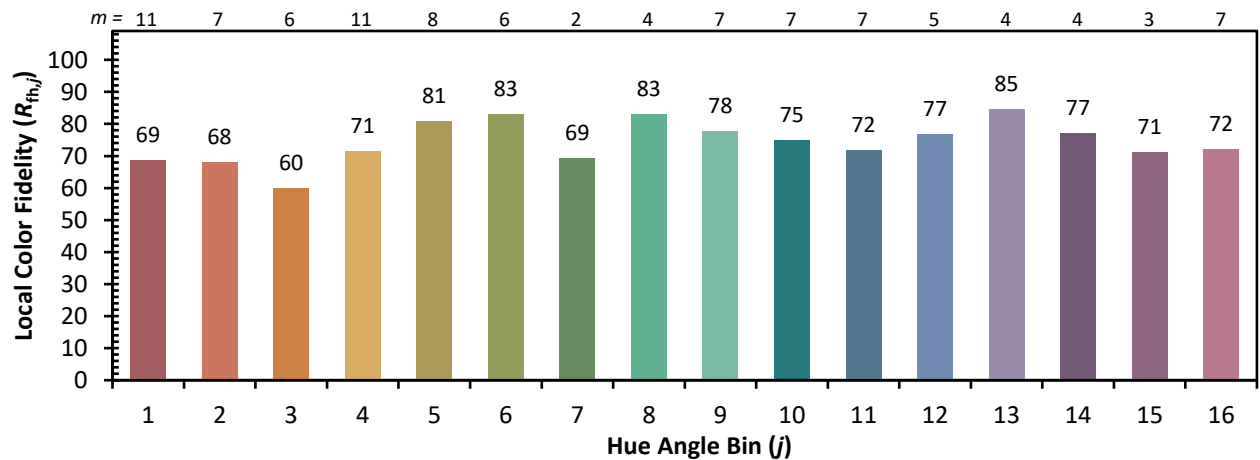
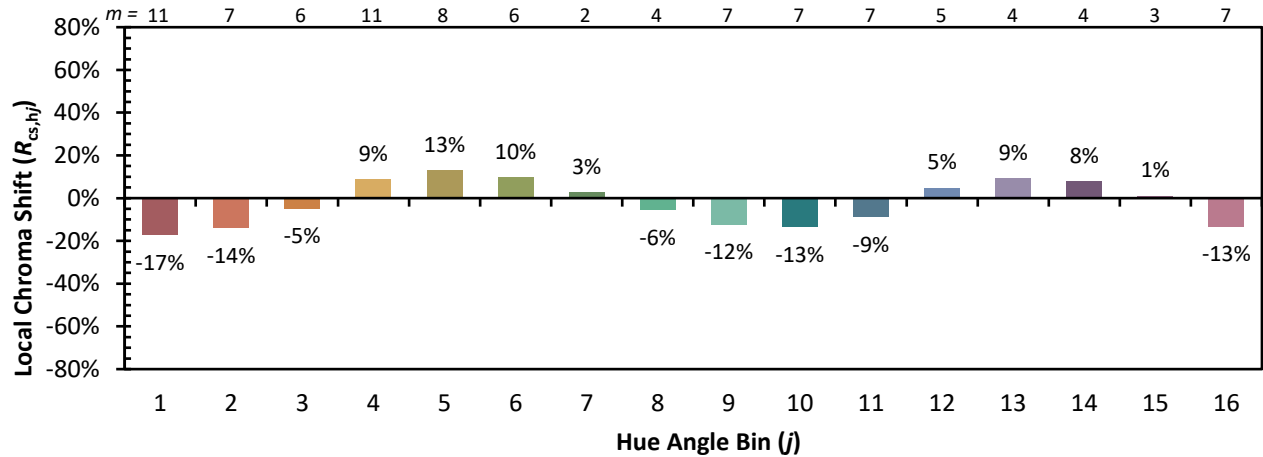


Individual Sample Fidelity Index ($R_{f,i}$)

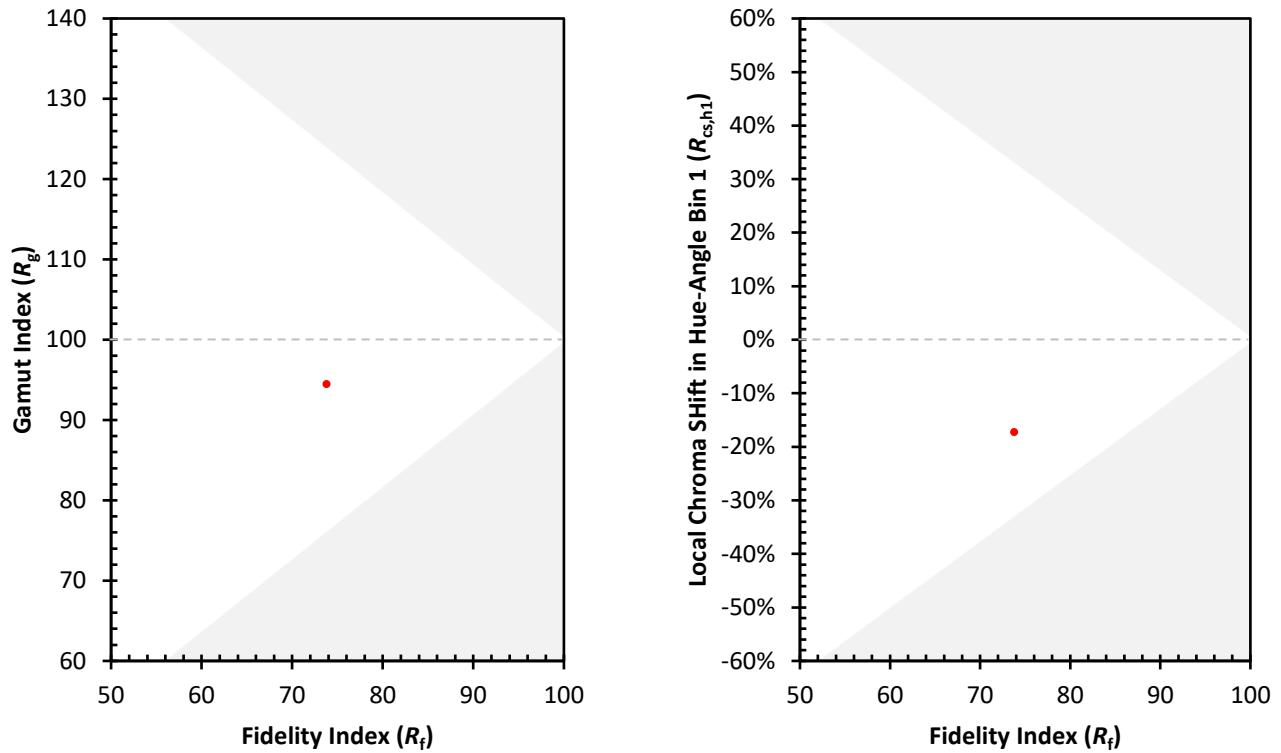
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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