

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: P1067260

Luminaire Tested: **NAV-SA4D-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067260
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-735-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22210.7 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 218.9
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



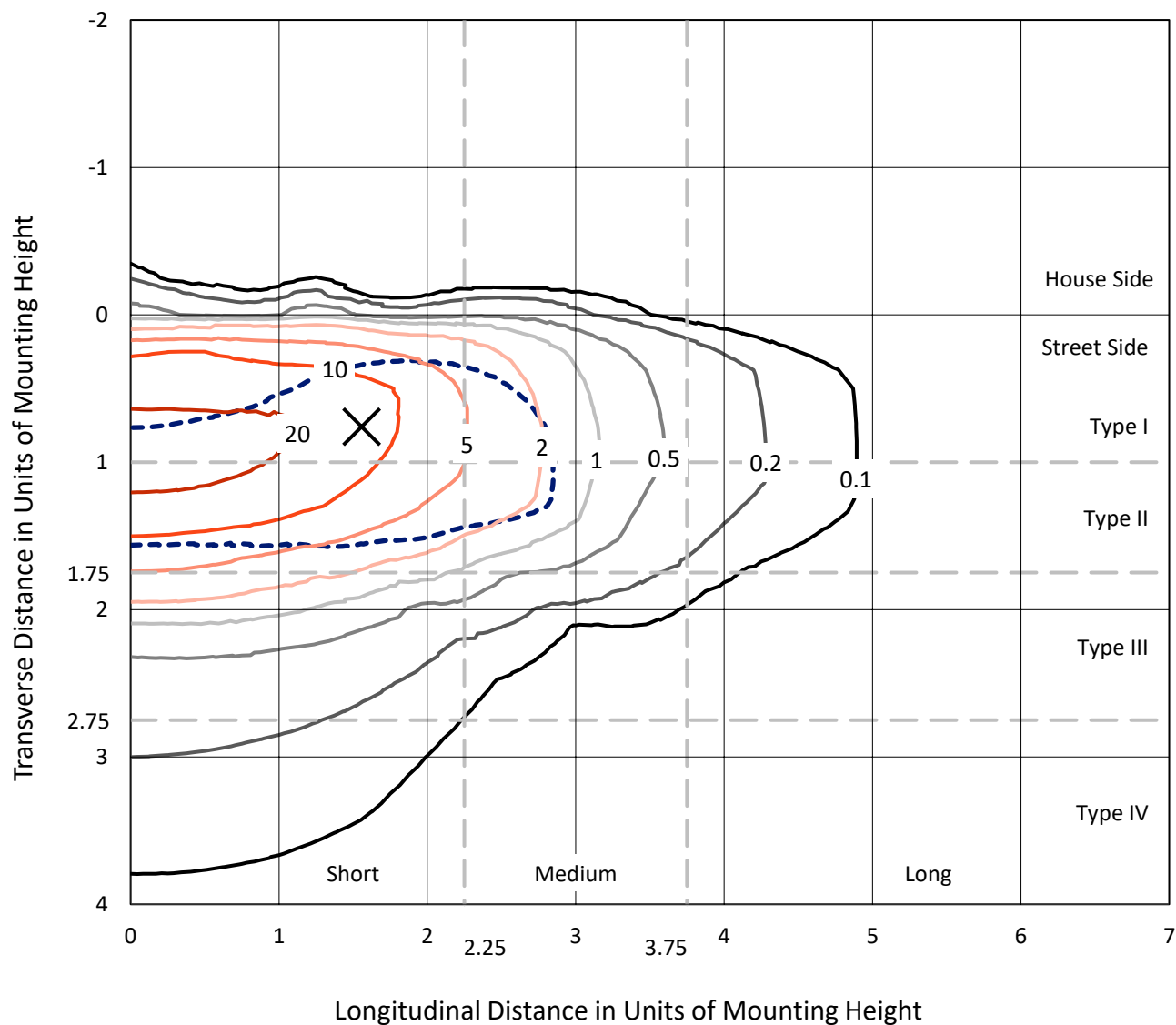
REPORT NUMBER: P1067260

CATALOG NUMBER: NAV-SA4D-735-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

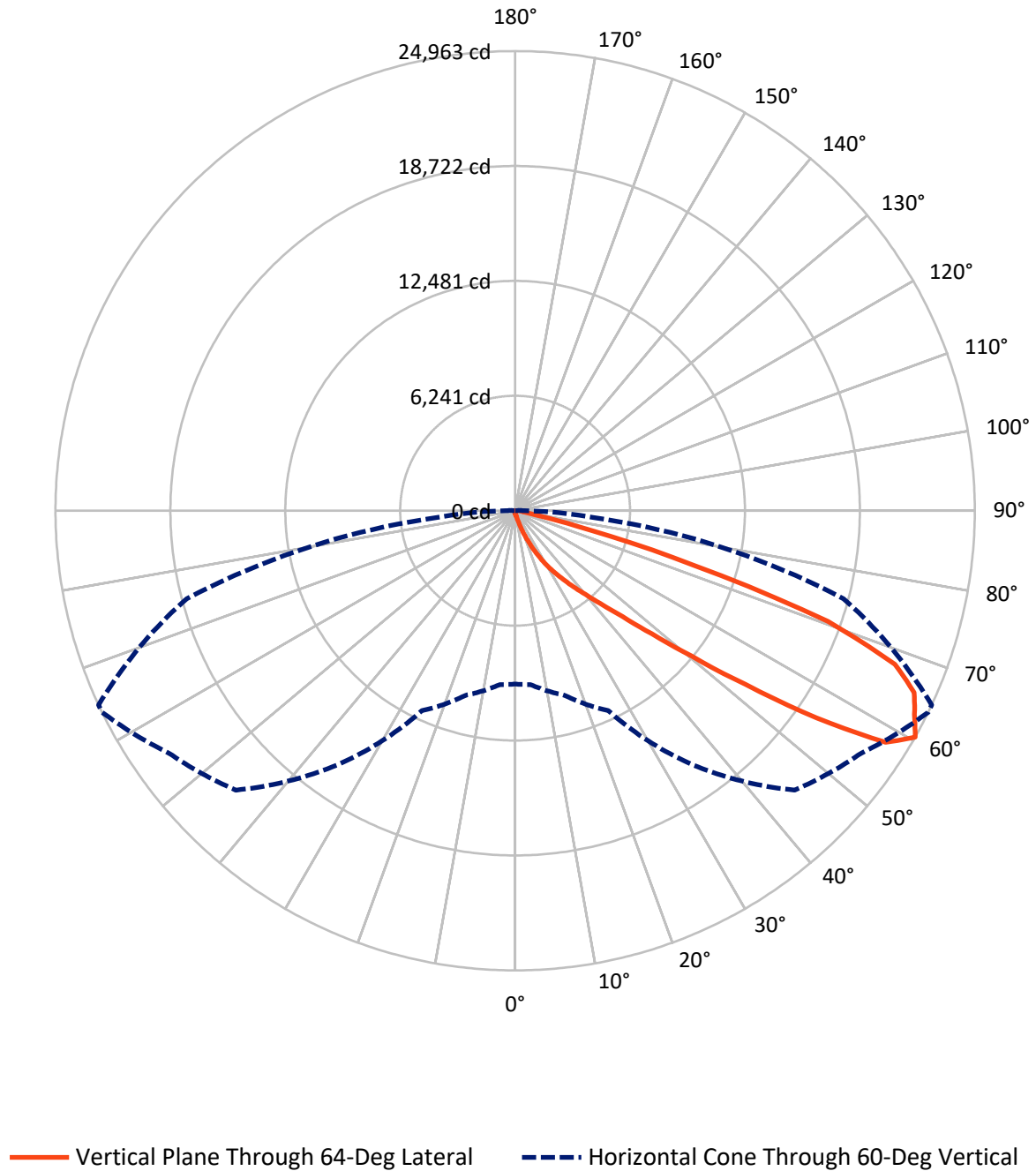


Based on 15 foot mounting height. Maximum calculated value = 31.9 fc
 Type II - Short - N/A

REPORT NUMBER: P1067260

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Luminous Intensity Polar Plot



REPORT NUMBER: P1067260

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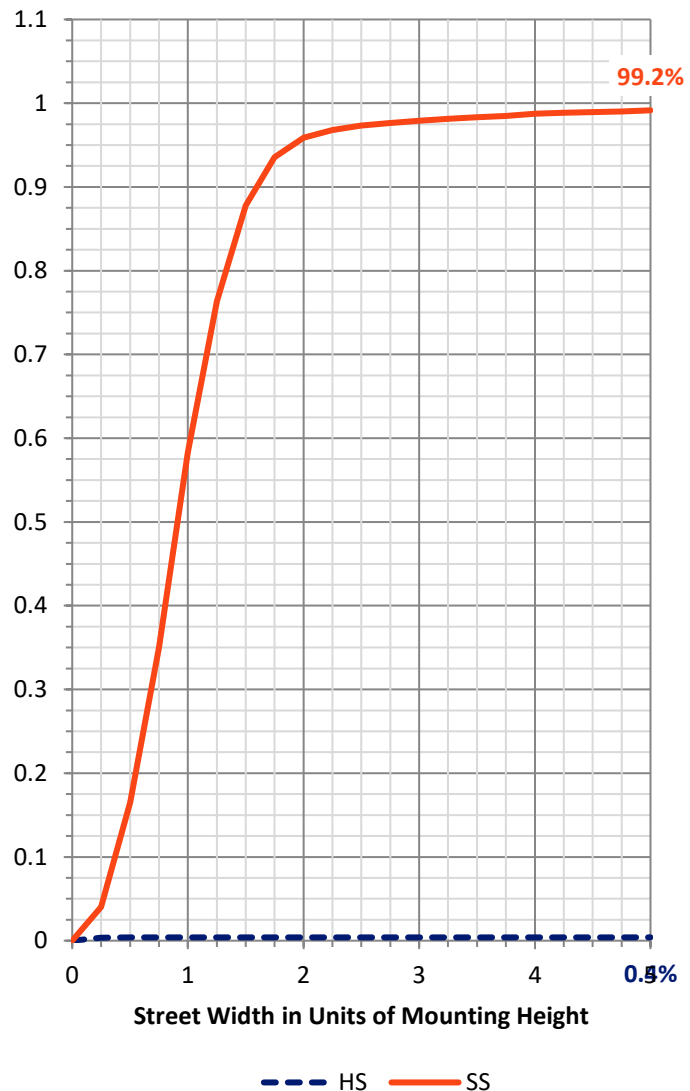
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	90.0	0.0	90.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22120.7	0.0	22120.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	22210.7	0.0	22210.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.1
10°-20°	218.3	1.0
20°-30°	724.9	3.3
30°-40°	1934.3	8.7
40°-50°	4916.4	22.1
50°-60°	7167.1	32.3
60°-70°	5535.9	24.9
70°-80°	1520.2	6.8
80°-90°	171.6	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°	22210.7	100.0
0°-180°	22210.7	100.0



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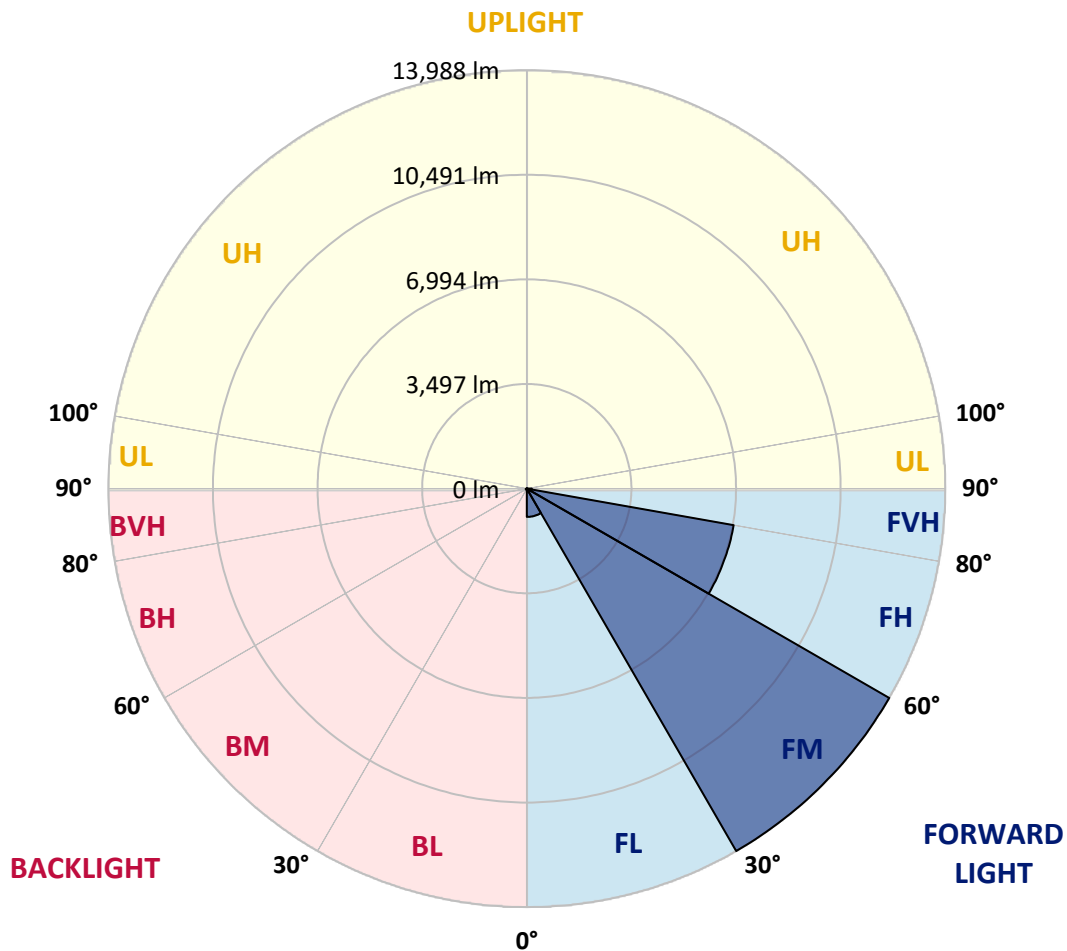
CATALOG NUMBER: NAV-SA4D-735-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.0	4.3			
FM	(30°-60°)	13987.9	63.0			
FH	(60°-80°)	7020.2	31.6			G3/7500
FVH	(80°-90°)	167.5	0.8			G2/225
BL	(0°-30°)	20.2	0.1	B0/110		
BM	(30°-60°)	29.8	0.1	B0/220		
BH	(60°-80°)	35.9	0.2	B0/110		G0/110
BVH	(80°-90°)	4.1	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 II Short



REPORT NUMBER: P1067260

CATALOG NUMBER: NAV-SA4D-735-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
2.5°	195.6	195.6	195.6	189.5	183.4	183.4	177.3	171.2	171.2	159.0	152.8
5°	299.6	299.6	287.3	275.1	256.8	232.3	207.9	189.5	189.5	171.2	159.0
7.5°	586.9	605.3	550.2	483.0	391.3	330.1	262.9	220.1	214.0	183.4	159.0
10°	1271.7	1259.4	1173.9	1008.8	794.8	574.7	366.8	269.0	256.8	195.6	159.0
12.5°	1913.6	1932.0	1840.3	1656.8	1400.1	1021.0	629.7	348.5	336.3	214.0	159.0
15°	2463.9	2463.9	2402.7	2311.0	2029.8	1632.4	1014.9	519.7	476.9	232.3	152.8
17.5°	2842.9	2836.8	2812.4	2787.9	2622.8	2213.2	1552.9	831.5	733.7	275.1	152.8
20°	3270.9	3252.6	3283.1	3234.2	3105.8	2781.8	2121.5	1235.0	1143.3	348.5	152.8
22.5°	3717.2	3735.5	3760.0	3711.1	3570.5	3289.2	2720.7	1754.7	1656.8	483.0	159.0
25°	4285.8	4273.6	4328.6	4285.8	4108.5	3778.3	3283.1	2323.3	2182.6	672.5	171.2
27.5°	4982.8	4958.3	4995.0	4884.9	4652.6	4316.4	3784.5	2904.1	2739.0	966.0	195.6
30°	5906.0	5924.3	5759.2	5630.8	5300.7	4854.4	4340.8	3527.7	3356.5	1314.5	220.1
32.5°	7361.0	7232.7	6975.9	6456.2	6022.1	5453.5	4897.2	4071.8	3919.0	1760.8	256.8
35°	9629.3	9653.7	9091.3	7807.4	6865.8	6205.5	5508.6	4671.0	4560.9	2268.2	305.7
37.5°	12392.7	12325.5	11830.3	10210.1	8100.8	7140.9	6205.5	5325.1	5166.2	2818.5	366.8
40°	15523.0	15241.8	14954.4	13853.9	10674.7	8314.8	7085.9	6083.3	5961.0	3454.3	464.7
42.5°	18029.7	17956.3	18005.2	17546.7	14966.6	10314.0	8253.7	7012.6	6865.8	4243.0	635.8
45°	19264.7	19160.7	19454.2	19796.6	19136.3	14569.2	10136.7	8198.6	8003.0	5172.3	898.7
47.5°	18934.5	18861.1	19490.9	20163.4	21043.8	19503.1	13212.0	9971.6	9635.4	6364.5	1290.0
50°	17308.2	17314.4	18347.6	19600.9	20994.9	22003.7	17766.8	12398.8	11977.0	7948.0	1901.4
52.5°	15724.8	15773.7	16868.0	18696.1	20267.3	22297.1	21765.2	15669.7	14985.0	9812.7	2622.8
55°	14098.5	14122.9	15088.9	17662.8	19925.0	21422.8	23819.5	19882.2	19154.6	12135.9	3325.9
57.5°	12533.3	12533.3	12894.1	15180.6	19552.0	21343.4	23574.9	23733.9	23140.8	14789.3	3845.6
60°	9415.3	9476.4	10375.2	11977.0	16861.9	21459.5	22951.3	24962.7	24962.7	18469.9	4243.0
62.5°	4756.6	4848.3	5967.1	7526.1	11567.4	19857.7	23049.1	24345.3	24443.1	21716.3	5147.8
65°	2231.5	2335.5	2934.6	4035.1	6223.9	13976.2	22034.2	23819.5	23788.9	21098.8	7055.4
67.5°	1601.8	1632.4	1834.1	2353.8	3350.4	6126.1	16819.1	22248.2	22260.4	17925.7	8113.0
70°	1436.7	1436.7	1485.7	1638.5	2017.6	2739.0	8174.2	18017.4	18891.7	13841.7	7520.0
72.5°	1418.4	1406.2	1394.0	1400.1	1363.4	1375.6	2806.2	10173.4	11420.6	9684.3	5997.7
75°	1381.7	1381.7	1369.5	1326.7	1088.3	886.5	966.0	4114.6	4756.6	6468.4	4450.9
77.5°	1094.4	1204.4	1332.8	1253.3	996.6	666.4	562.5	1192.2	1504.0	3967.9	3228.1
80°	507.4	513.6	507.4	531.9	635.8	476.9	415.7	580.8	586.9	2201.0	1999.2
82.5°	366.8	372.9	354.6	317.9	281.2	256.8	342.4	428.0	458.5	1008.8	745.9
85°	110.0	103.9	122.3	165.1	195.6	226.2	287.3	360.7	379.1	372.9	110.0
87.5°	48.9	48.9	61.1	85.6	116.2	171.2	250.7	330.1	336.3	385.2	30.6
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: P1067260

CATALOG NUMBER: NAV-SA4D-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
2.5°	152.8	146.7	140.6	134.5	128.4	122.3	116.2	116.2	122.3	122.3	122.3
5°	146.7	140.6	128.4	116.2	110.0	103.9	97.8	97.8	103.9	103.9	103.9
7.5°	146.7	134.5	122.3	110.0	97.8	91.7	85.6	85.6	85.6	91.7	91.7
10°	146.7	134.5	116.2	97.8	85.6	79.5	73.4	67.3	73.4	73.4	73.4
12.5°	140.6	128.4	110.0	91.7	73.4	61.1	55.0	55.0	55.0	55.0	55.0
15°	134.5	122.3	103.9	79.5	61.1	48.9	36.7	36.7	36.7	42.8	42.8
17.5°	128.4	116.2	91.7	61.1	42.8	30.6	24.5	24.5	24.5	30.6	30.6
20°	128.4	110.0	79.5	48.9	30.6	18.3	12.2	12.2	12.2	18.3	24.5
22.5°	128.4	110.0	73.4	36.7	18.3	12.2	6.1	6.1	6.1	6.1	6.1
25°	128.4	103.9	67.3	30.6	12.2	6.1	0.0	0.0	6.1	12.2	18.3
27.5°	128.4	97.8	55.0	18.3	12.2	6.1	0.0	6.1	12.2	12.2	12.2
30°	128.4	97.8	48.9	18.3	6.1	0.0	0.0	6.1	12.2	12.2	18.3
32.5°	134.5	91.7	42.8	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	140.6	85.6	36.7	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	152.8	85.6	24.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	171.2	91.7	24.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	214.0	97.8	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	299.6	122.3	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	440.2	183.4	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	642.0	250.7	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	788.7	250.7	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	782.6	159.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	599.2	110.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	507.4	79.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	611.4	61.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1088.3	55.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1748.6	55.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1956.4	55.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1528.5	48.9	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	837.6	42.8	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	421.9	30.6	12.2	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	177.3	24.5	12.2	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	61.1	24.5	12.2	12.2	6.1	6.1	0.0	0.0	0.0	0.0	0.0
85°	30.6	18.3	18.3	12.2	12.2	6.1	6.1	0.0	0.0	0.0	0.0
87.5°	18.3	18.3	18.3	12.2	12.2	6.1	6.1	0.0	0.0	0.0	6.1
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

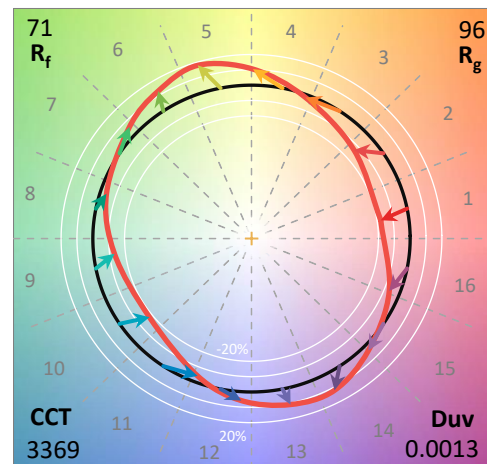
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3369
 CIE u' : 0.2386
 CIE v' : 0.5156
 Duv: 0.0013
 CIE x: 0.4143
 CIE y: 0.3980
 CIE z: 0.1877
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 43.80166
 R_f: 71.4
 R_g: 96

CRI (Ra): 70.1
 R1: 66.6
 R2: 77.6
 R3: 88.5
 R4: 69.5
 R5: 66.4
 R6: 69.6
 R7: 77.5
 R8: 44.9
 R9: -40.2
 R10: 49.1
 R11: 66.3
 R12: 45.7
 R13: 68.0
 R14: 93.4
 R15: 57.6



Test Conditions

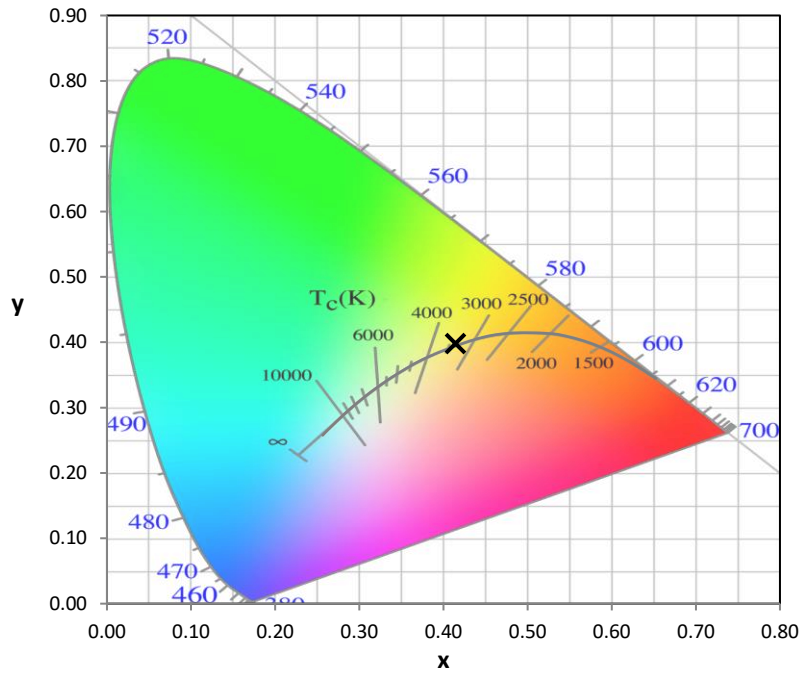
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

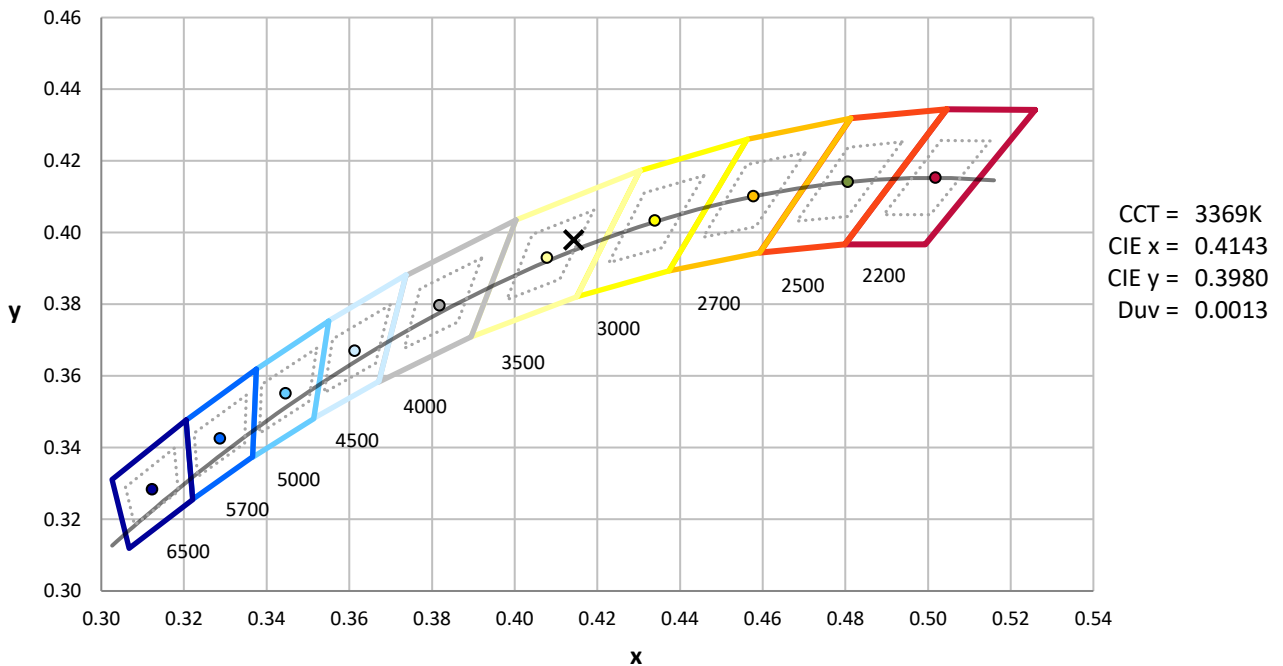
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



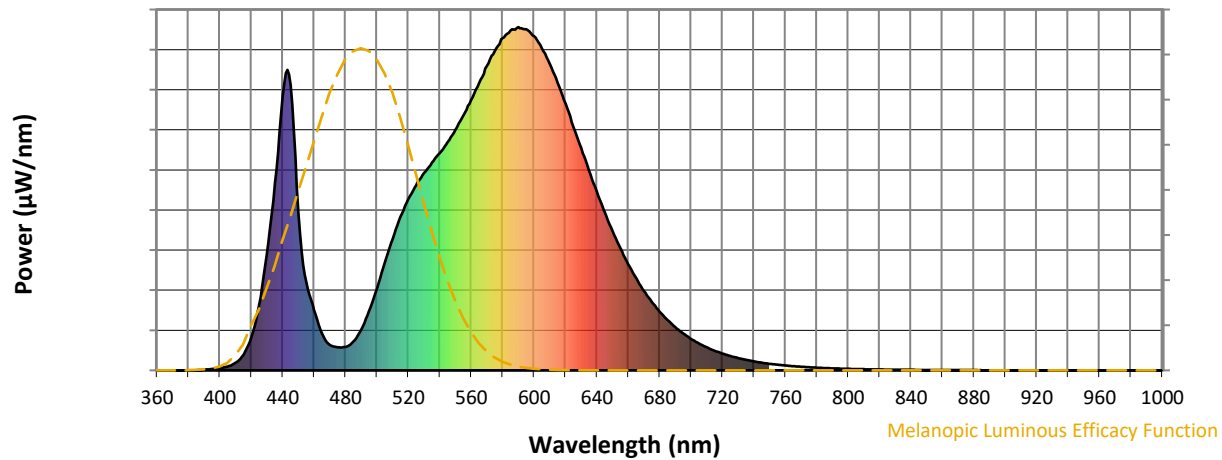
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

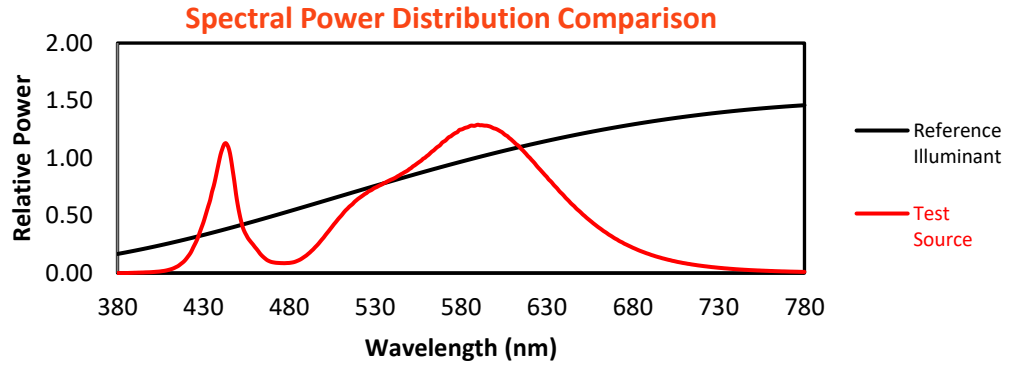
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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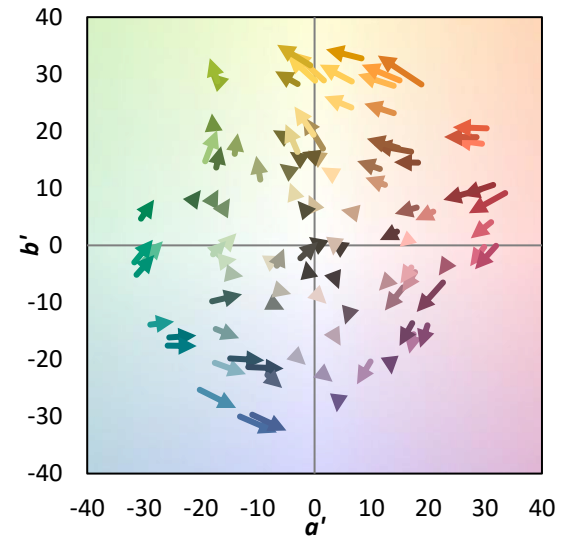
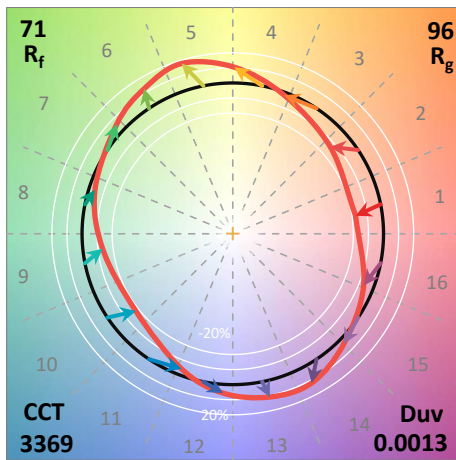
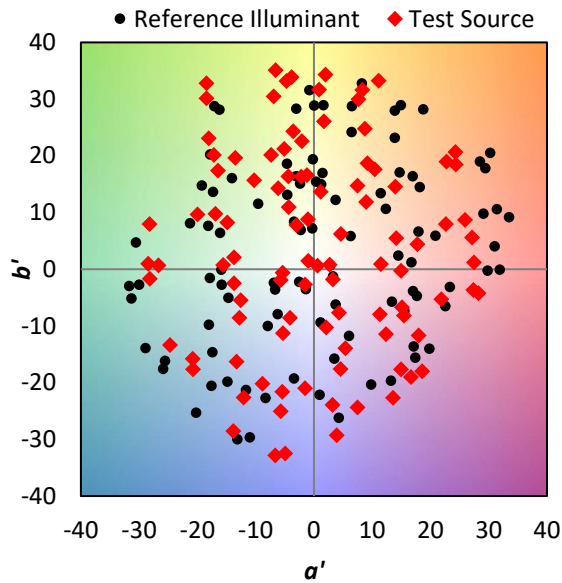
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

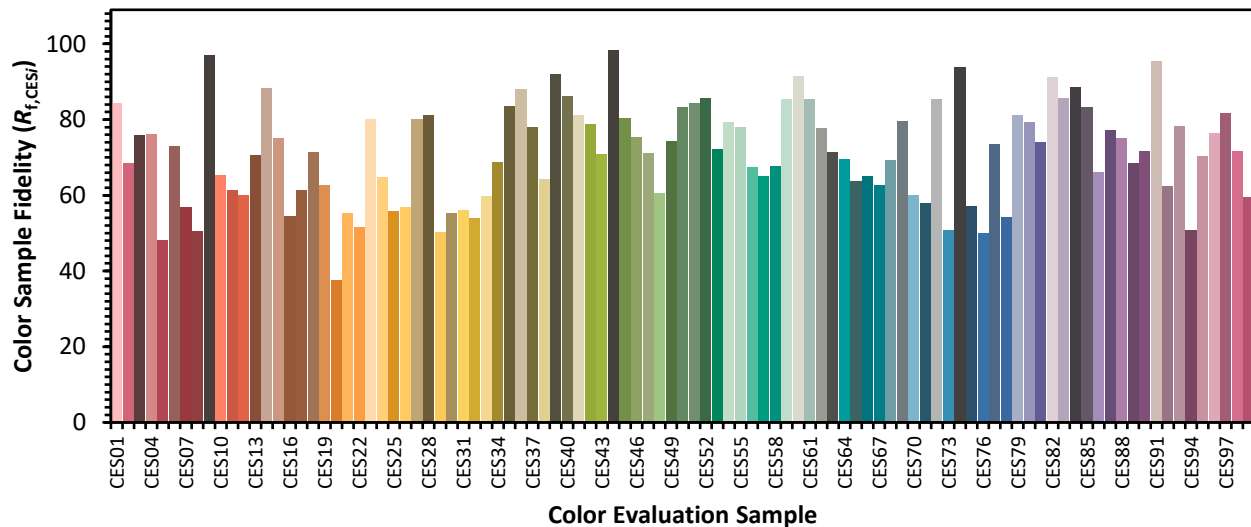


Color Vector Graphics



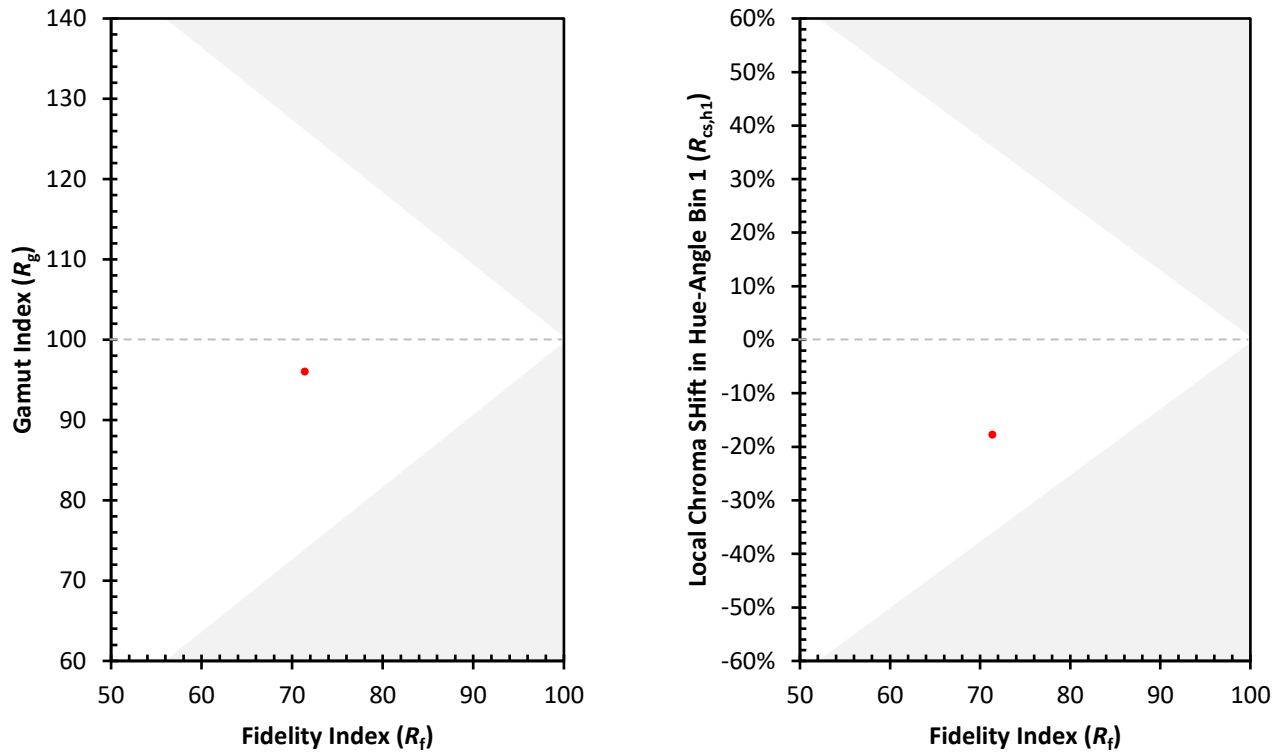
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)