

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: P1067023

Luminaire Tested: **NAV-SA5C-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067023
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26807.3 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
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

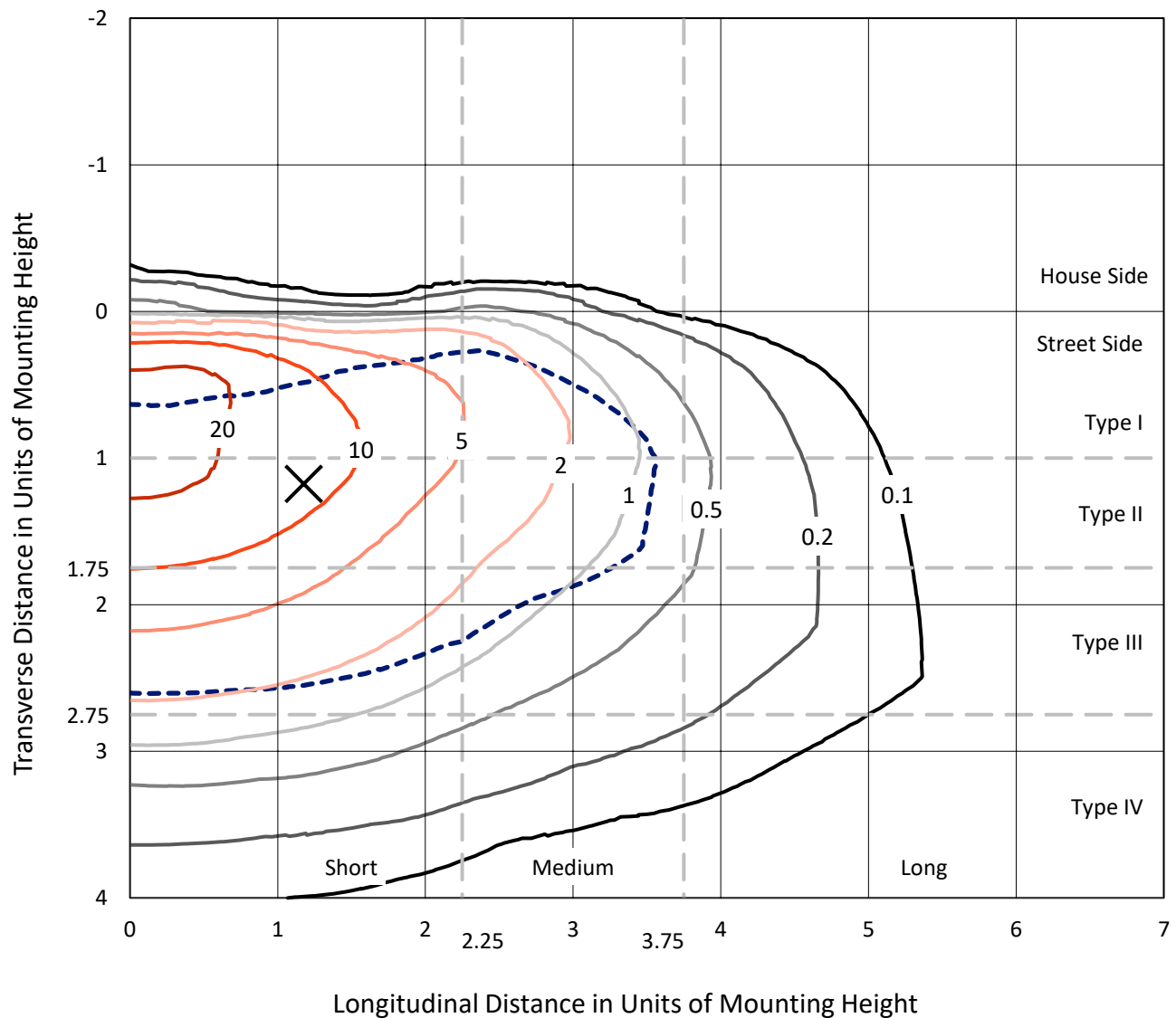


REPORT NUMBER: P1067023

CATALOG NUMBER: NAV-SA5C-735-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

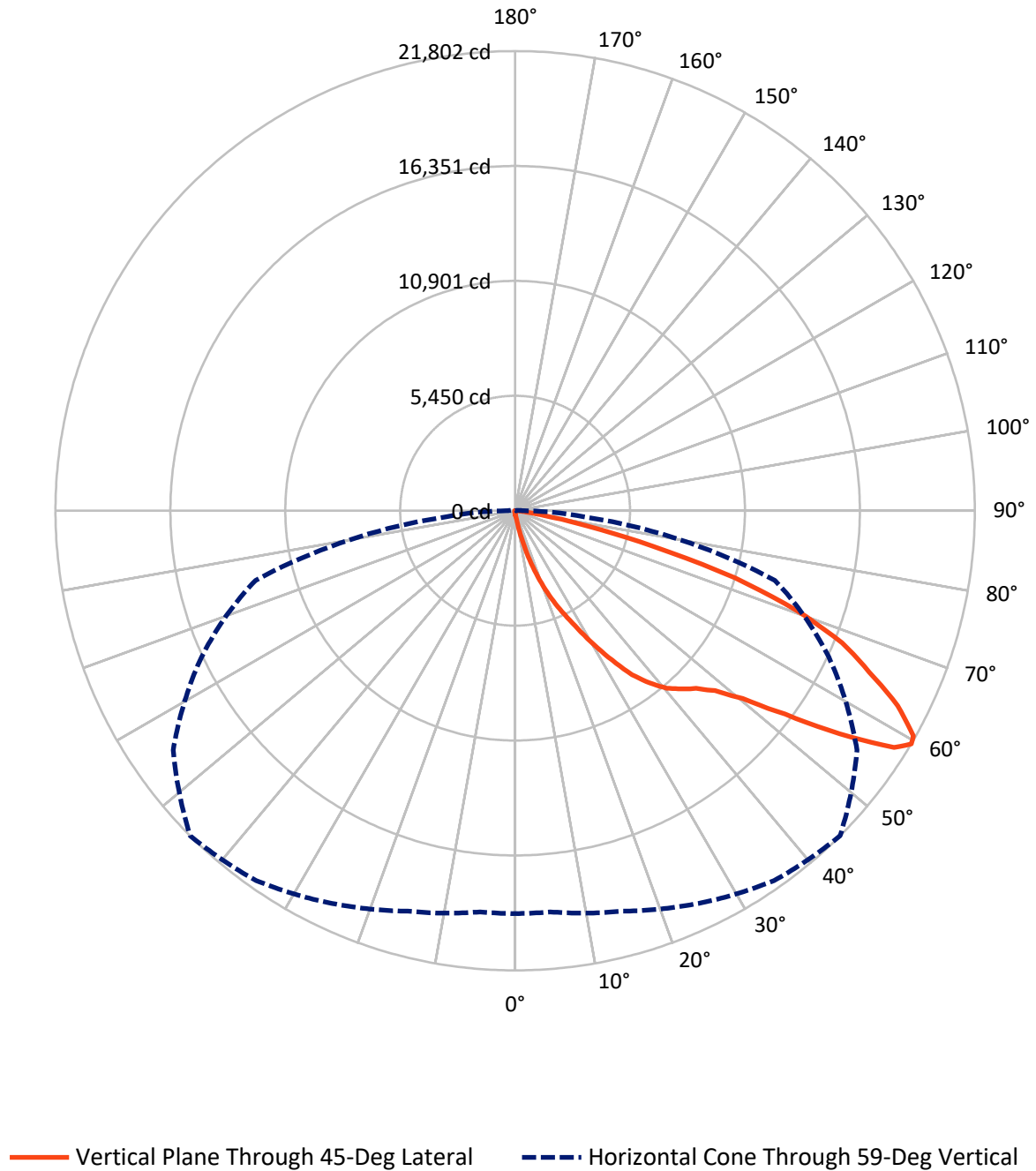


Based on 15 foot mounting height. Maximum calculated value = 29.2 fc
 Type III - Short - N/A

REPORT NUMBER: P1067023

CATALOG NUMBER: NAV-SA5C-735-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067023

CATALOG NUMBER: NAV-SA5C-735-U-T3BC

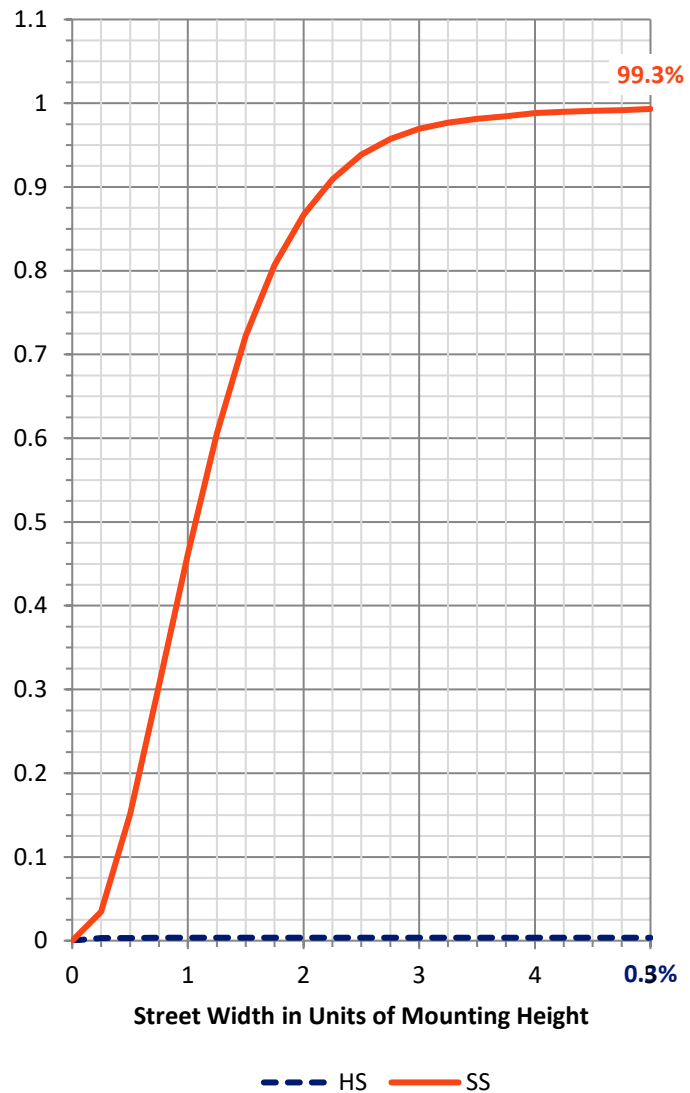
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.2	0.0	95.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	26712.1	0.0	26712.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	26807.3	0.0	26807.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	0.1
10°-20°	296.3	1.1
20°-30°	1064.6	4.0
30°-40°	2473.9	9.2
40°-50°	4216.7	15.7
50°-60°	6947.9	25.9
60°-70°	8033.3	30.0
70°-80°	3451.4	12.9
80°-90°	298.2	1.1
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°	26807.3	100.0
0°-180°	26807.3	100.0



REPORT NUMBER: P1067023

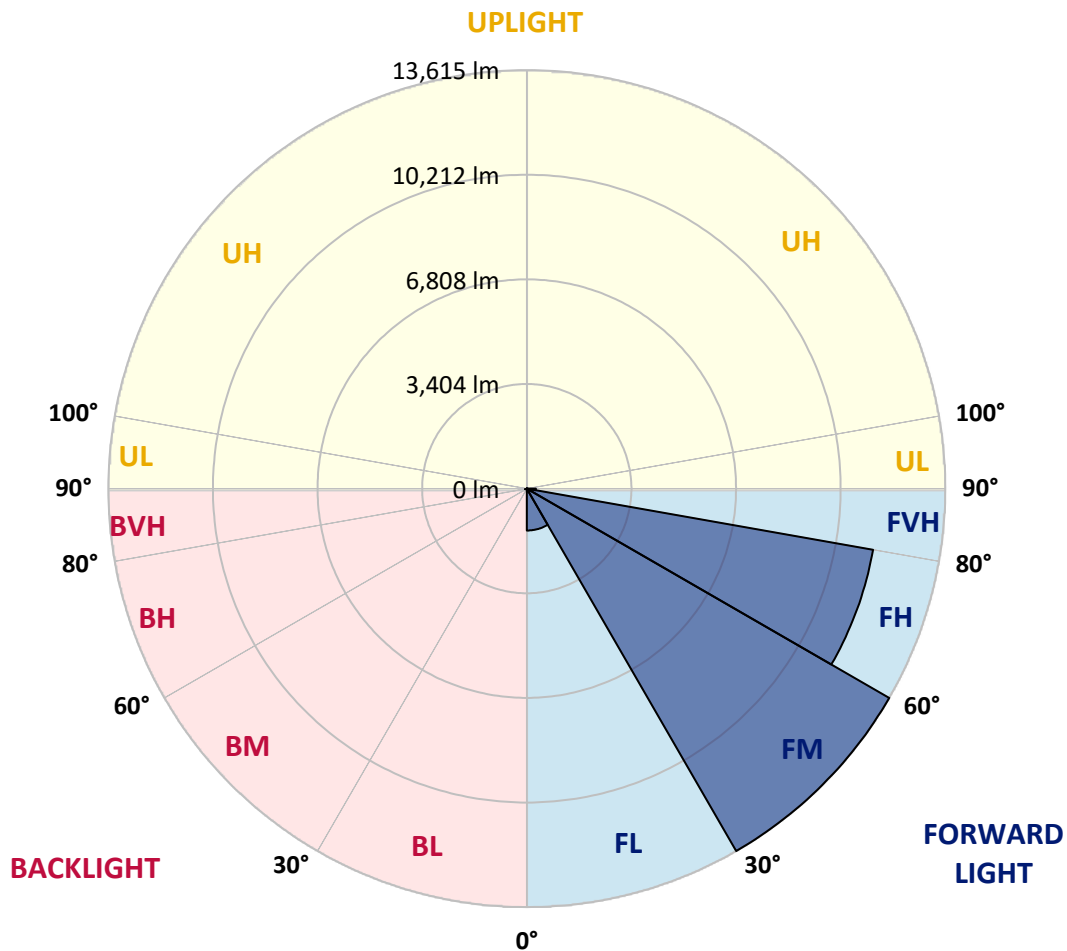
CATALOG NUMBER: NAV-SA5C-735-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1362.4	5.1			
FM	(30°-60°)	13615.5	50.8			
FH	(60°-80°)	11439.9	42.7			G4/12000
FVH	(80°-90°)	294.4	1.1			G3/500
BL	(0°-30°)	23.5	0.1	B0/110		
BM	(30°-60°)	23.0	0.1	B0/220		
BH	(60°-80°)	44.8	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	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 III Short





REPORT NUMBER: P1067023

CATALOG NUMBER: NAV-SA5C-735-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	219.9	219.9	214.5	207.3	205.5	200.1	200.1	194.7	187.5	182.1	174.8
5°	319.0	317.2	302.8	284.8	261.4	246.9	246.9	227.1	209.1	192.9	178.5
7.5°	697.6	681.4	629.1	542.6	429.0	353.3	347.9	283.0	239.7	207.3	180.3
10°	1600.6	1544.8	1470.9	1263.6	933.7	652.5	639.9	412.8	286.6	223.5	183.9
12.5°	2622.7	2667.7	2519.9	2193.7	1807.9	1344.7	1254.6	695.8	378.5	245.1	187.5
15°	3552.8	3542.0	3459.1	3192.3	2747.1	2130.6	2074.7	1209.5	542.6	279.4	191.1
17.5°	4248.6	4235.9	4156.6	3985.4	3642.9	3026.5	2977.8	1928.7	850.8	328.1	194.7
20°	4982.2	4966.0	4854.2	4717.2	4418.0	3893.5	3835.8	2732.6	1332.1	407.4	194.7
22.5°	5861.8	5831.2	5712.2	5479.7	5164.3	4708.2	4655.9	3554.6	1928.7	537.2	203.7
25°	6925.3	6873.1	6709.0	6499.9	6119.6	5513.9	5458.1	4470.3	2647.9	733.6	212.7
27.5°	8138.4	8147.4	7925.7	7572.4	7062.3	6444.1	6339.5	5290.4	3392.4	1014.8	223.5
30°	9578.7	9488.5	9176.7	8765.7	8270.0	7482.3	7381.4	6107.0	4228.7	1429.4	241.5
32.5°	10926.9	10829.6	10409.6	9892.3	9360.5	8529.6	8446.7	7024.5	4989.4	1919.7	274.0
35°	12084.2	12015.7	11428.1	10797.2	10324.9	9582.3	9557.0	8048.3	5883.5	2447.8	310.0
37.5°	13102.6	12978.2	12223.0	11568.6	11089.2	10424.0	10370.0	8985.6	6745.1	3060.7	364.1
40°	13971.4	13902.9	12981.8	12122.0	11732.7	11137.8	11069.3	9807.6	7635.5	3772.7	430.8
42.5°	14901.5	14811.4	13917.3	12953.0	12235.6	11599.3	11554.2	10485.3	8428.6	4555.0	529.9
45°	15952.4	15784.8	15000.7	14135.5	13044.9	12077.0	12026.5	11089.2	9241.6	5395.0	650.7
47.5°	17075.4	16929.4	16294.9	15687.4	14432.9	12864.7	12756.5	11602.9	10049.1	6364.7	803.9
50°	18218.2	18221.8	17745.9	17453.9	16129.1	14144.5	13991.3	12358.2	10898.1	7403.0	1031.0
52.5°	19548.5	19582.7	19575.5	19359.2	18331.7	16237.2	16031.7	13504.6	11884.1	8614.3	1344.7
55°	20105.4	20166.7	20565.1	21044.6	20765.2	18890.5	18670.6	15481.9	13190.9	9964.4	1809.7
57.5°	19649.4	19717.9	20267.7	21107.6	21749.3	21214.0	21188.8	18056.0	14912.3	11601.1	2570.4
59°	19106.8	19097.8	19662.0	20552.5	21417.7	21765.6	21801.6	19797.2	16412.1	12749.3	3226.5
60°	18746.3	18753.5	19128.5	20042.3	20961.6	21565.5	21706.1	20822.8	17288.1	13574.9	3788.9
62.5°	17354.8	17437.7	17735.1	18584.1	19456.5	20130.7	20370.4	21736.7	19795.4	15525.2	5744.7
65°	15842.5	15847.9	16271.5	16997.9	17834.2	18308.3	18459.7	20314.5	21470.0	17511.6	8309.7
67.5°	13144.1	13254.0	13735.3	14912.3	16017.3	16617.5	16732.9	17682.8	20776.0	18805.8	9594.9
70°	9198.3	9342.5	10029.3	11556.0	13201.7	14187.7	14180.5	14699.6	18284.9	18229.0	8134.8
72.5°	4592.9	4841.6	5402.2	7037.1	9030.7	10579.1	10905.3	11824.6	14688.8	15141.3	6069.1
75°	2029.7	2044.1	2363.1	3186.9	4488.3	6454.9	6746.9	9385.8	11269.4	10523.2	4383.8
77.5°	1180.7	1191.5	1249.2	1431.2	1818.8	3163.4	3491.5	6155.6	7963.6	6116.0	2858.8
80°	429.0	439.8	438.0	542.6	796.7	1245.5	1387.9	2983.2	5312.1	3221.1	1497.9
82.5°	263.2	263.2	254.2	256.0	290.2	477.7	522.7	1270.8	2586.6	1586.2	429.0
85°	129.8	137.0	146.0	164.0	194.7	236.1	250.6	364.1	870.6	383.9	102.7
87.5°	77.5	79.3	86.5	104.5	129.8	169.4	180.3	246.9	311.8	257.8	25.2
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: P1067023

CATALOG NUMBER: NAV-SA5C-735-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	171.2	169.4	160.4	153.2	146.0	138.8	133.4	128.0	128.0	129.8	128.0
5°	171.2	164.0	149.6	137.0	126.2	117.2	108.2	100.9	99.1	99.1	100.9
7.5°	169.4	160.4	140.6	124.4	110.0	97.3	88.3	79.3	77.5	79.3	77.5
10°	167.6	156.8	133.4	113.6	93.7	81.1	68.5	59.5	59.5	59.5	61.3
12.5°	167.6	151.4	126.2	102.7	81.1	66.7	54.1	45.1	43.3	43.3	43.3
15°	165.8	147.8	119.0	90.1	68.5	50.5	39.7	30.6	30.6	30.6	30.6
17.5°	162.2	142.4	110.0	79.3	54.1	37.9	27.0	18.0	18.0	21.6	21.6
20°	158.6	137.0	99.1	64.9	45.1	28.8	18.0	10.8	10.8	16.2	18.0
22.5°	160.4	137.0	91.9	57.7	36.1	21.6	14.4	9.0	7.2	12.6	16.2
25°	162.2	133.4	82.9	50.5	27.0	16.2	10.8	3.6	1.8	3.6	5.4
27.5°	162.2	129.8	72.1	39.7	19.8	12.6	5.4	0.0	0.0	0.0	0.0
30°	160.4	124.4	63.1	32.4	14.4	7.2	1.8	0.0	0.0	0.0	0.0
32.5°	158.6	119.0	57.7	25.2	12.6	3.6	0.0	0.0	0.0	0.0	0.0
35°	160.4	111.8	50.5	19.8	7.2	0.0	0.0	0.0	0.0	0.0	3.6
37.5°	165.8	104.5	43.3	16.2	5.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	173.0	99.1	36.1	12.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	187.5	99.1	32.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	205.5	99.1	27.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	228.9	100.9	23.4	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	257.8	104.5	21.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	279.4	100.9	19.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	317.2	97.3	18.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	367.7	91.9	18.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	418.2	84.7	18.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	475.9	81.1	16.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	785.9	72.1	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1517.7	68.5	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2453.2	68.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2579.4	68.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1716.0	55.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	919.3	50.5	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	495.7	46.9	7.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	218.1	34.2	9.0	5.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	86.5	23.4	10.8	9.0	7.2	3.6	0.0	0.0	0.0	0.0	0.0
85°	41.5	18.0	14.4	12.6	9.0	5.4	0.0	0.0	0.0	0.0	0.0
87.5°	19.8	18.0	16.2	14.4	12.6	9.0	1.8	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: SP1-2407-184-5

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

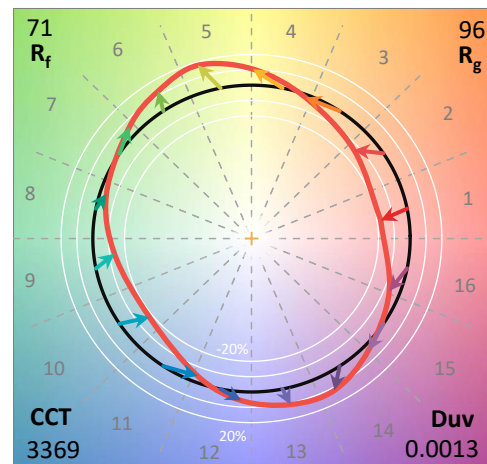
Test Information

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

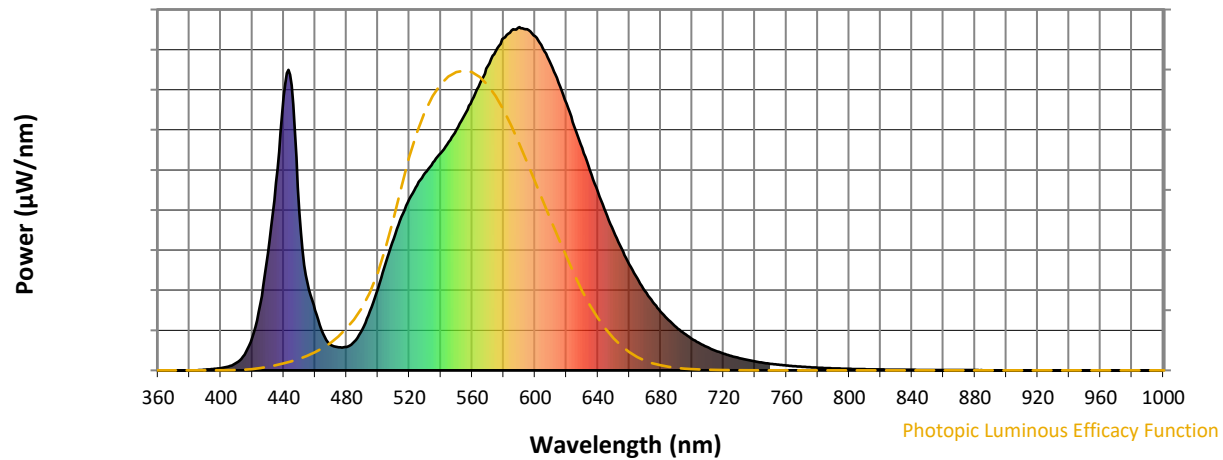
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

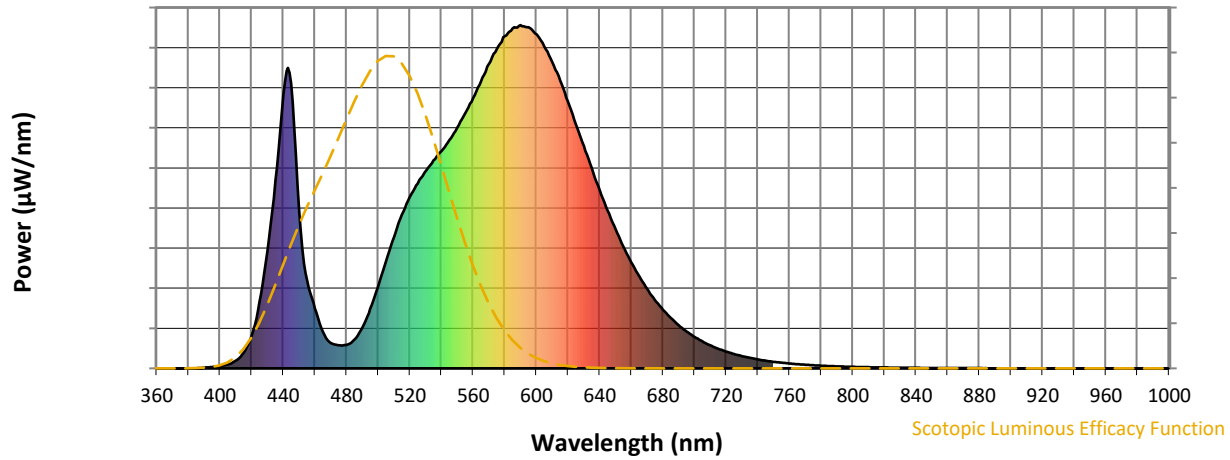


Photopic Lumens: NR

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	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



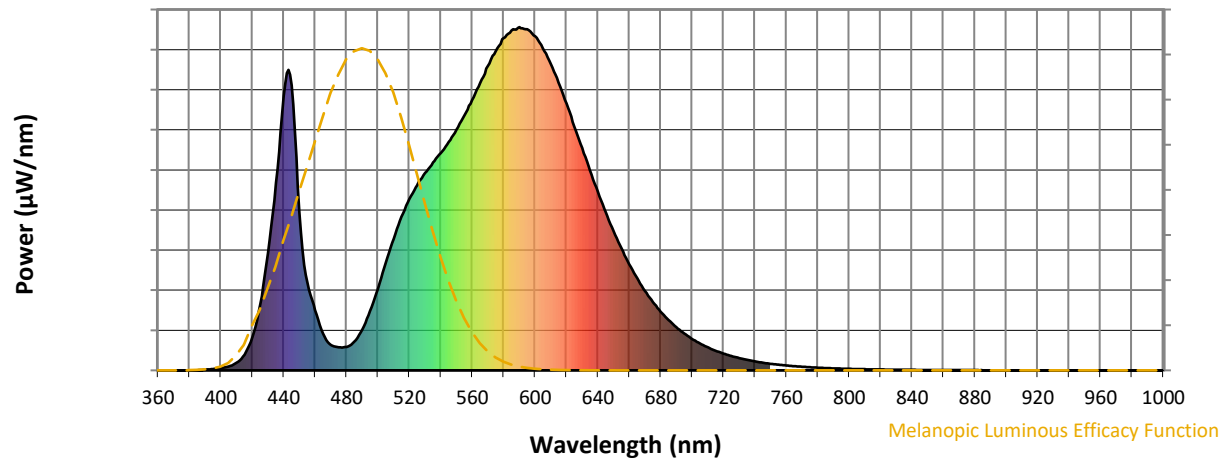
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.36

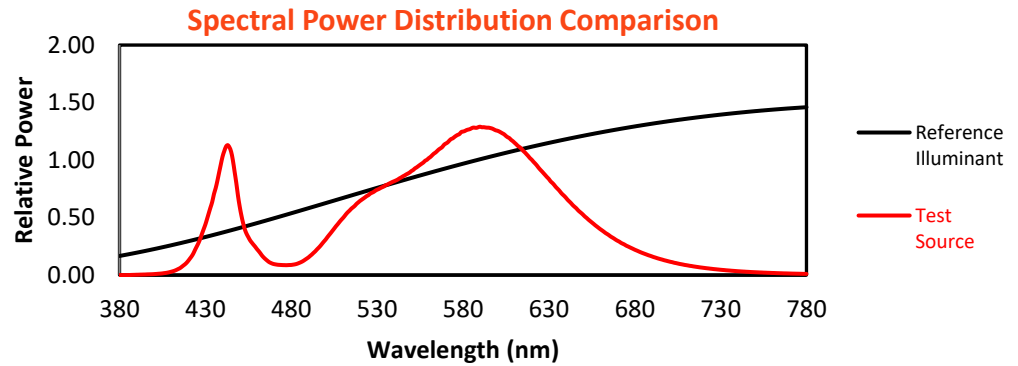
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	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

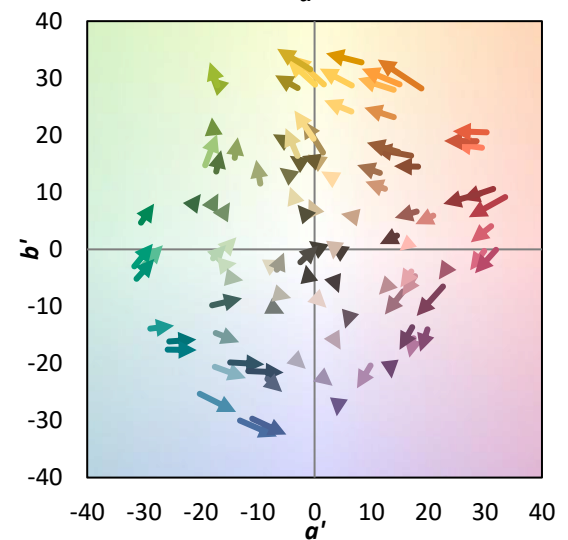
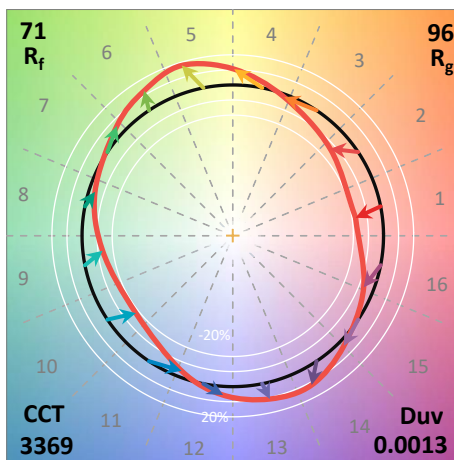
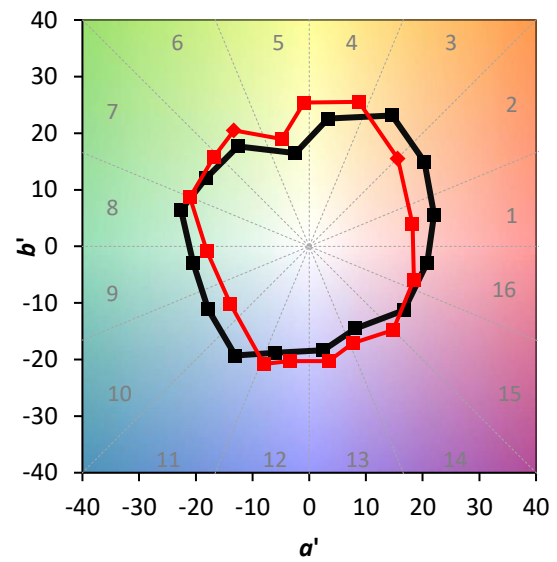
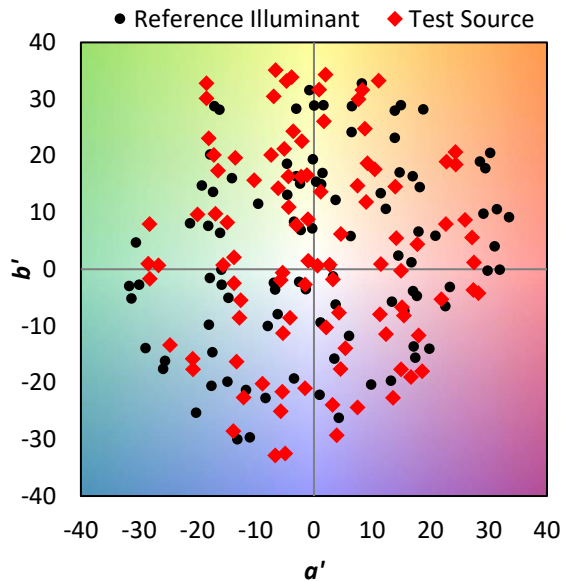
TM-30-18

Summary

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

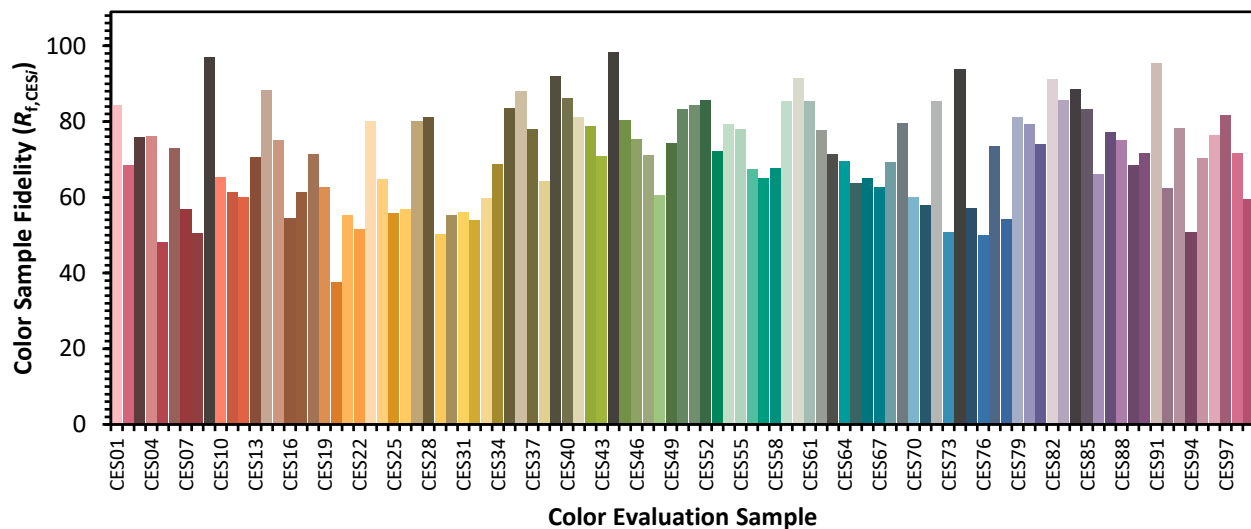


Color Vector Graphics

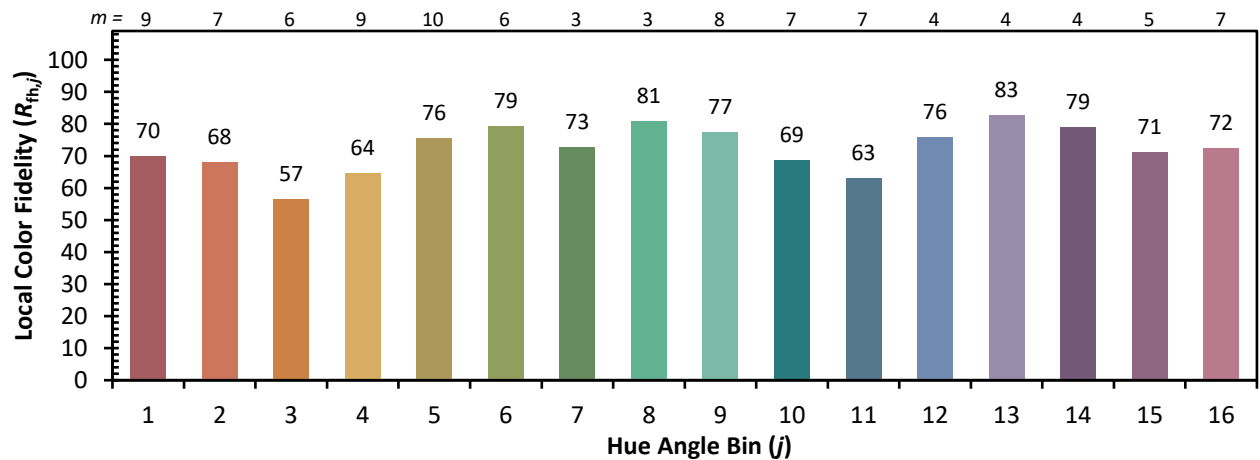
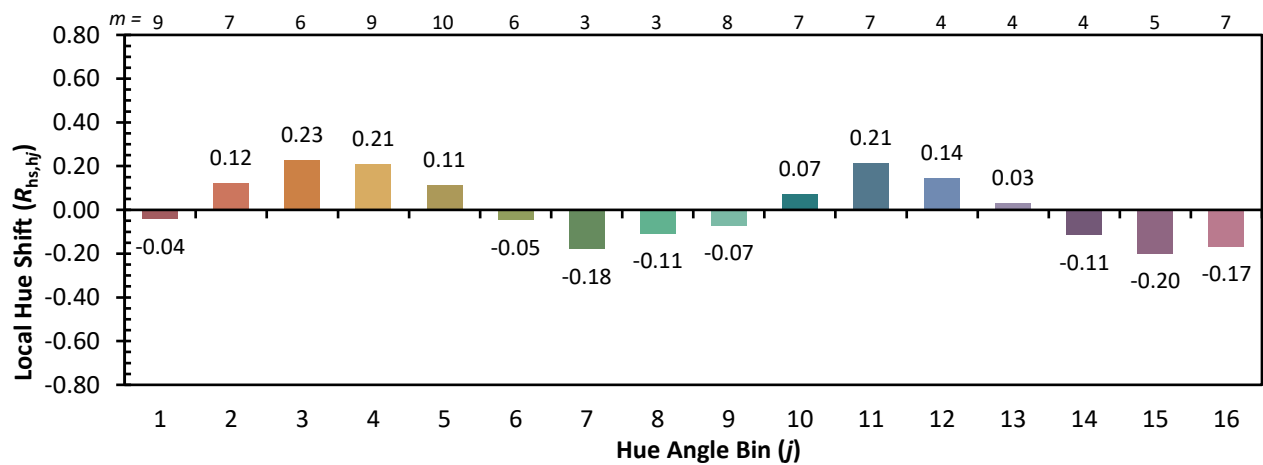
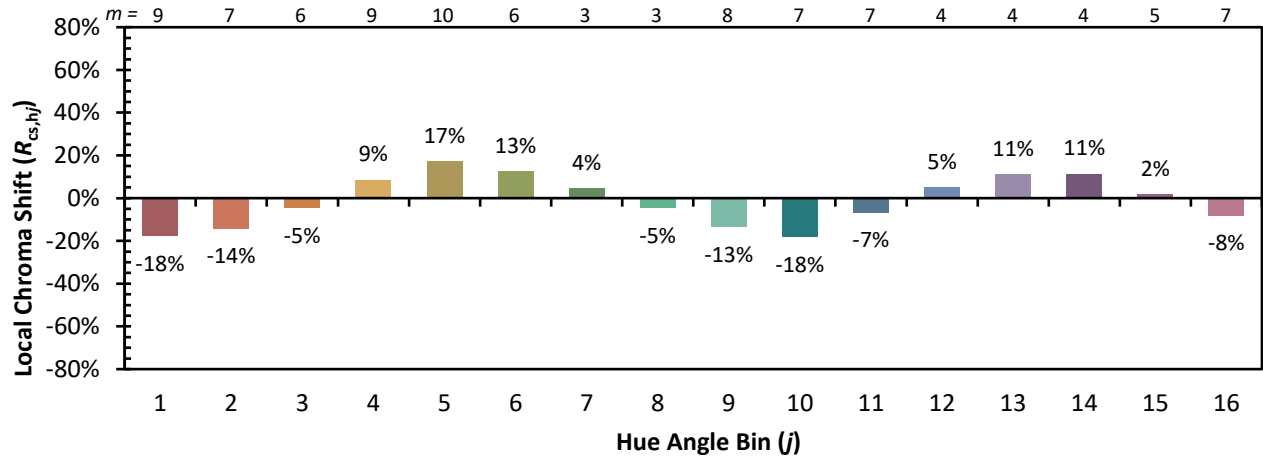


Individual Sample Fidelity Index ($R_{f,i}$)

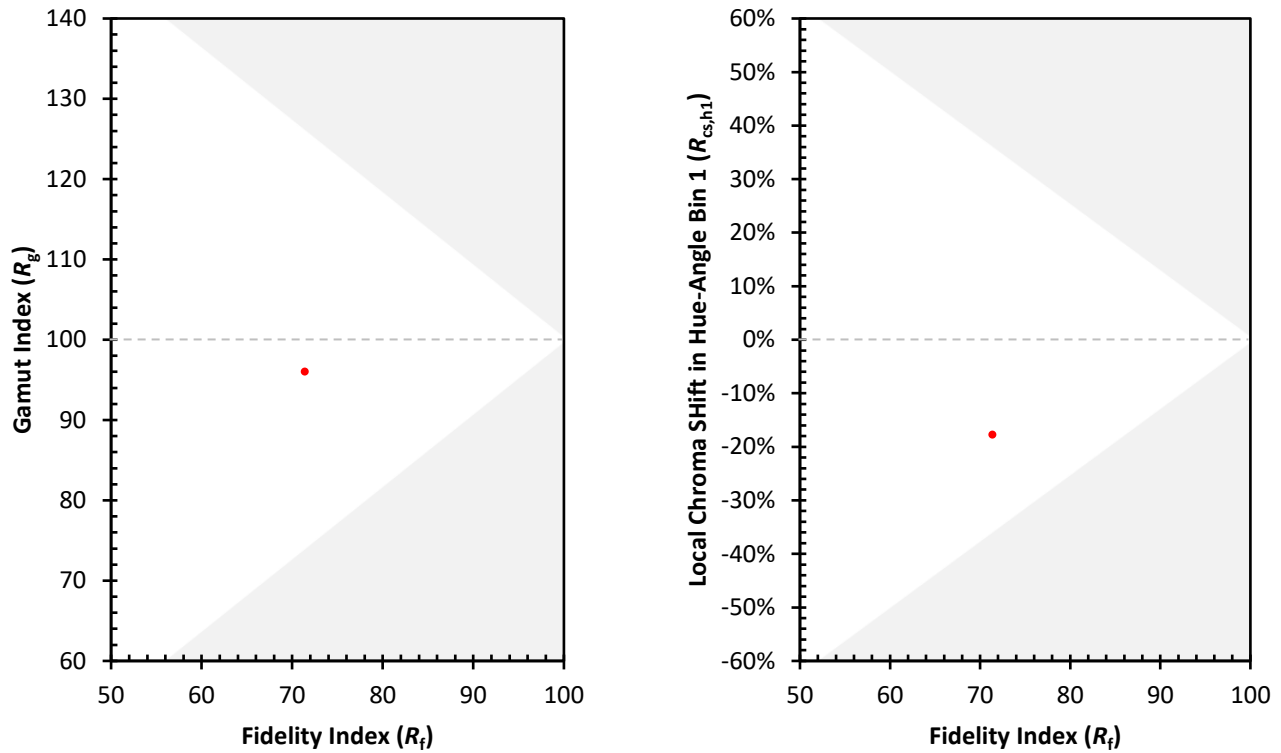
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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)