

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: P1067254

Luminaire Tested: **NAV-SA3B-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067254
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3B-735-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12277.5 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 106.2
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

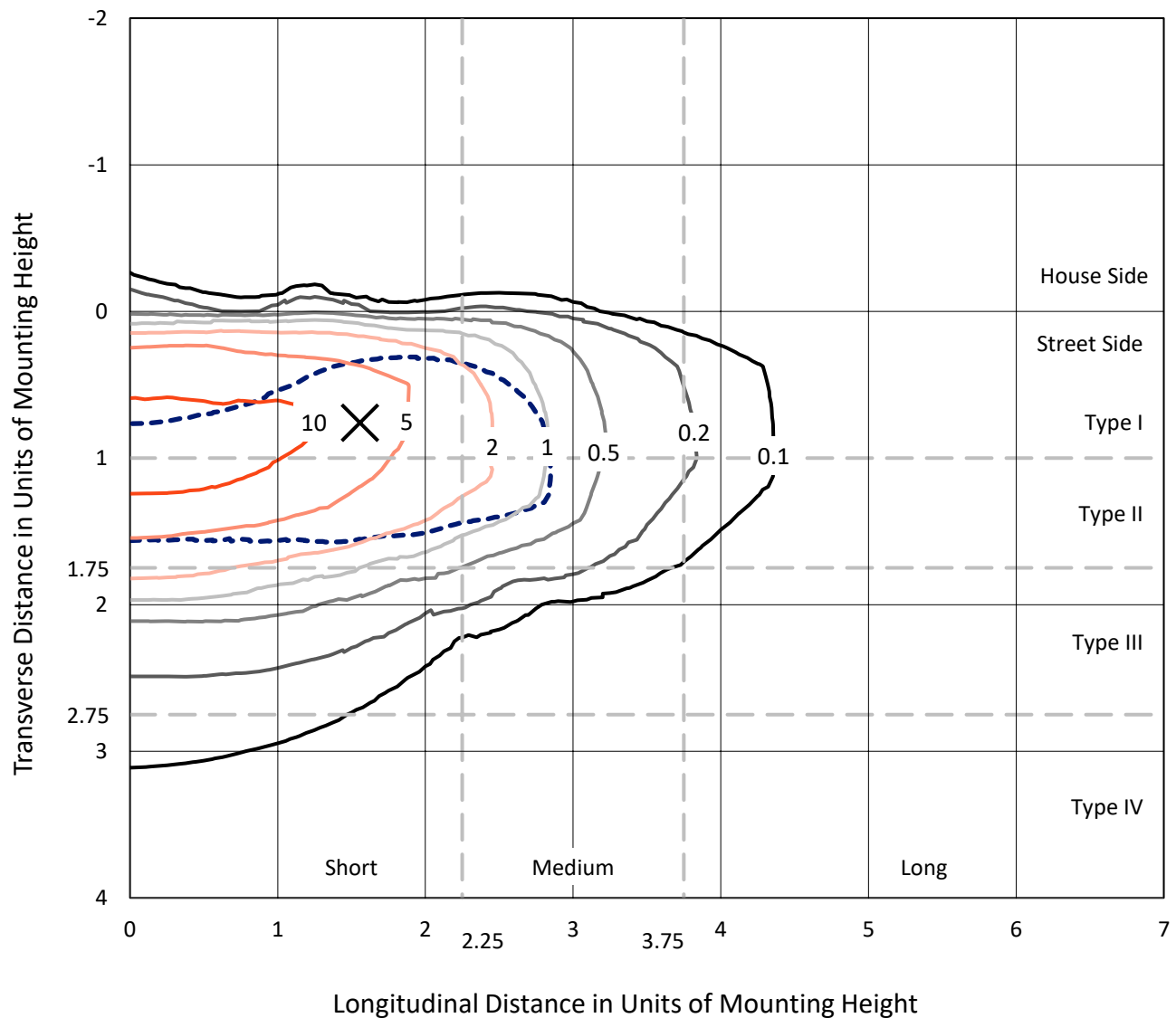


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

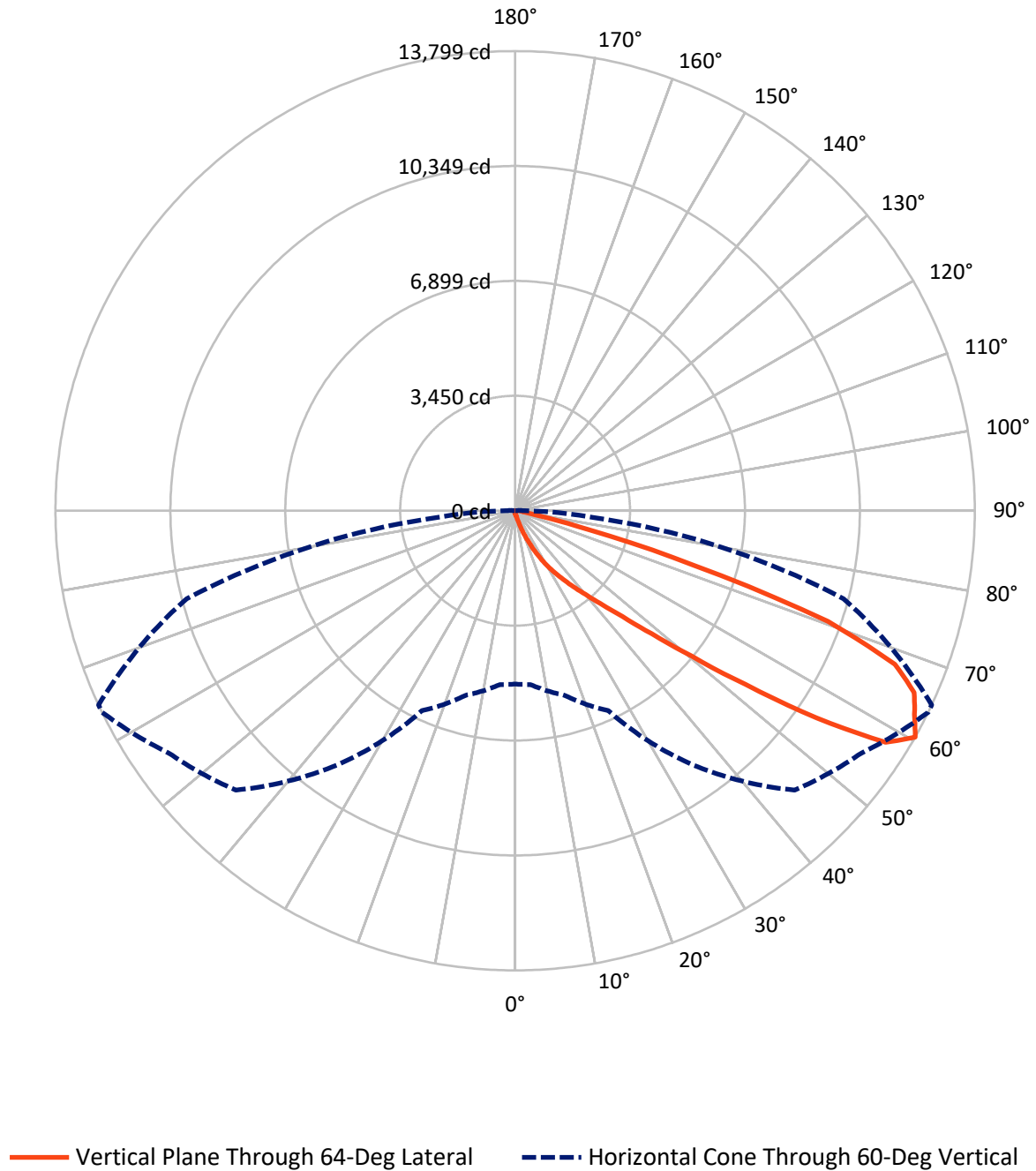


Based on 15 foot mounting height. Maximum calculated value = 17.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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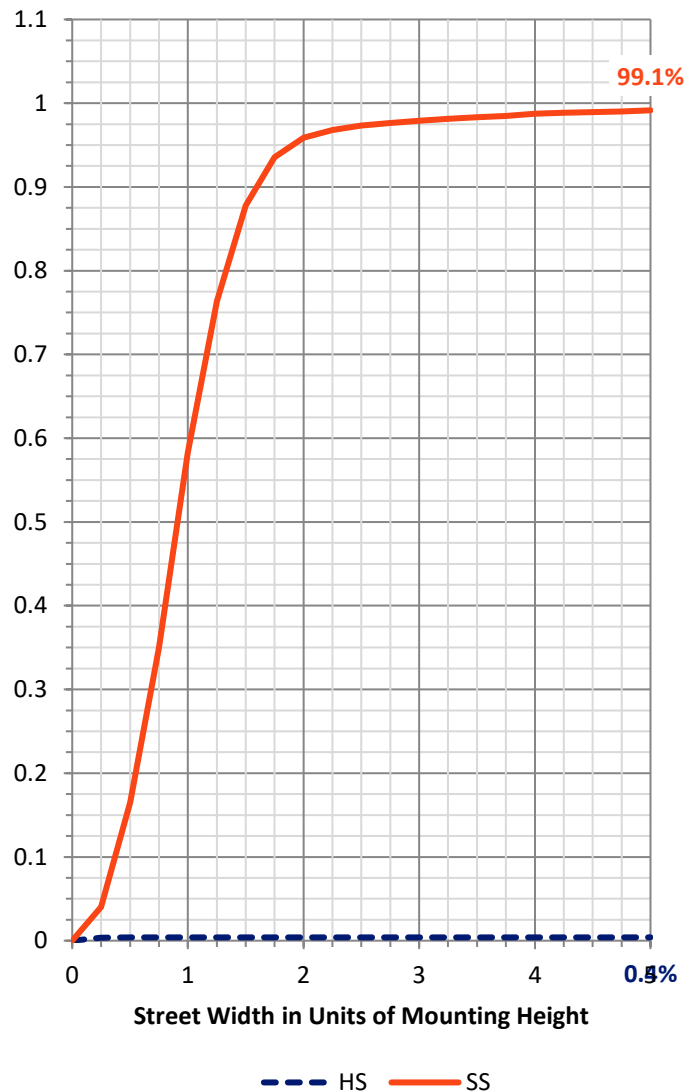
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.8	0.0	49.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12227.7	0.0	12227.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	12277.5	0.0	12277.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	120.7	1.0
20°-30°	400.7	3.3
30°-40°	1069.2	8.7
40°-50°	2717.6	22.1
50°-60°	3961.7	32.3
60°-70°	3060.1	24.9
70°-80°	840.3	6.8
80°-90°	94.9	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°	12277.5	100.0
0°-180°	12277.5	100.0



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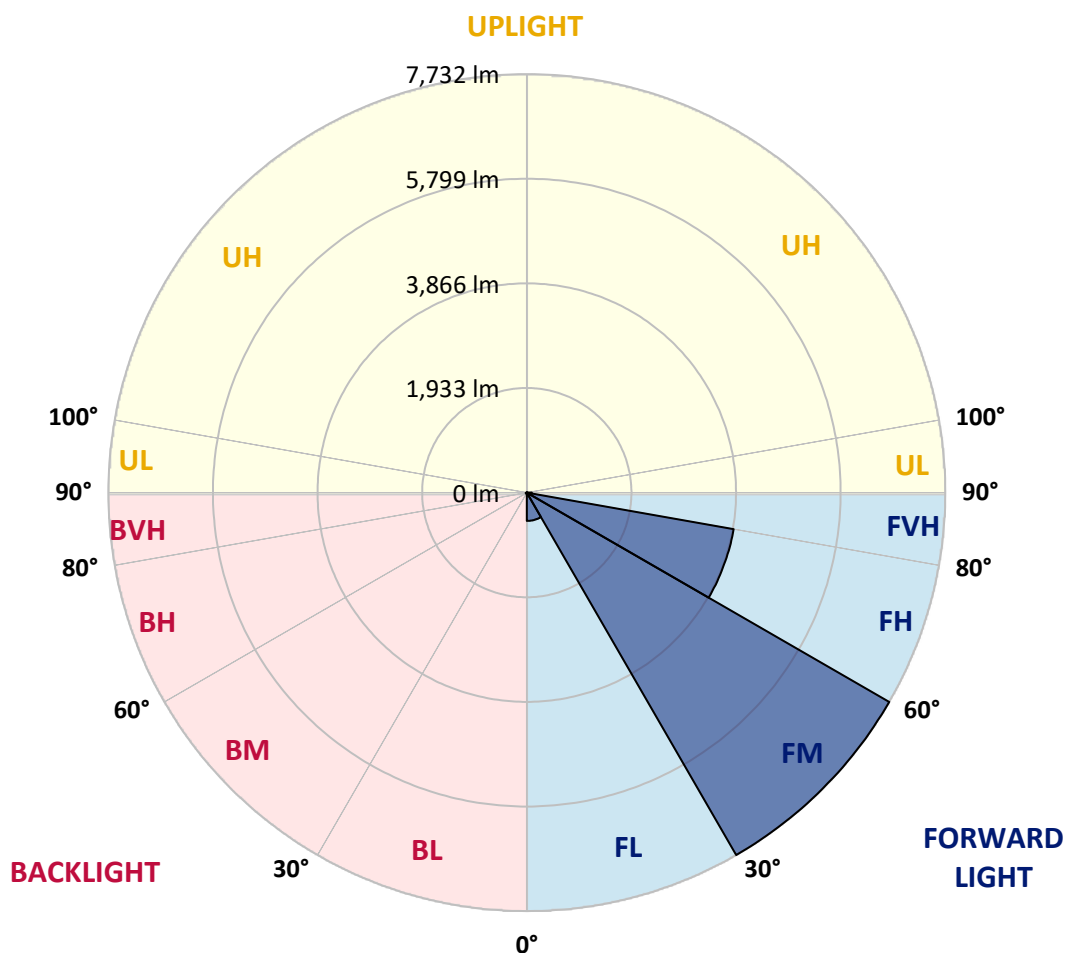
CATALOG NUMBER: NAV-SA3B-735-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.4	4.3			
FM	(30°-60°)	7732.1	63.0			
FH	(60°-80°)	3880.6	31.6			G2/5000
FVH	(80°-90°)	92.6	0.8			G1/100
BL	(0°-30°)	11.2	0.1	B0/110		
BM	(30°-60°)	16.5	0.1	B0/220		
BH	(60°-80°)	19.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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: P1067254

CATALOG NUMBER: NAV-SA3B-735-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	108.1	108.1	108.1	104.8	101.4	101.4	98.0	94.6	94.6	87.9	84.5
5°	165.6	165.6	158.8	152.1	141.9	128.4	114.9	104.8	104.8	94.6	87.9
7.5°	324.4	334.6	304.2	267.0	216.3	182.5	145.3	121.7	118.3	101.4	87.9
10°	702.9	696.2	648.9	557.6	439.3	317.7	202.8	148.7	141.9	108.1	87.9
12.5°	1057.8	1067.9	1017.2	915.9	773.9	564.4	348.1	192.6	185.9	118.3	87.9
15°	1362.0	1362.0	1328.2	1277.5	1122.0	902.3	561.0	287.3	263.6	128.4	84.5
17.5°	1571.5	1568.1	1554.6	1541.1	1449.8	1223.4	858.4	459.6	405.5	152.1	84.5
20°	1808.1	1797.9	1814.8	1787.8	1716.8	1537.7	1172.7	682.7	632.0	192.6	84.5
22.5°	2054.8	2064.9	2078.4	2051.4	1973.6	1818.2	1503.9	969.9	915.9	267.0	87.9
25°	2369.1	2362.3	2392.7	2369.1	2271.0	2088.6	1814.8	1284.2	1206.5	371.7	94.6
27.5°	2754.3	2740.8	2761.1	2700.3	2571.8	2386.0	2091.9	1605.3	1514.0	534.0	108.1
30°	3264.6	3274.8	3183.5	3112.6	2930.1	2683.4	2399.5	1950.0	1855.4	726.6	121.7
32.5°	4069.0	3998.0	3856.1	3568.8	3328.8	3014.5	2707.0	2250.8	2166.3	973.3	141.9
35°	5322.8	5336.3	5025.4	4315.7	3795.2	3430.2	3045.0	2582.0	2521.1	1253.8	169.0
37.5°	6850.3	6813.1	6539.4	5643.8	4477.9	3947.3	3430.2	2943.6	2855.7	1558.0	202.8
40°	8580.6	8425.2	8266.3	7658.0	5900.7	4596.2	3916.9	3362.6	3295.0	1909.4	256.8
42.5°	9966.3	9925.7	9952.7	9699.3	8273.1	5701.3	4562.4	3876.3	3795.2	2345.4	351.5
45°	10648.9	10591.5	10753.7	10942.9	10578.0	8053.4	5603.3	4532.0	4423.8	2859.1	496.8
47.5°	10466.4	10425.9	10774.0	11145.7	11632.4	10780.7	7303.2	5512.0	5326.2	3518.1	713.1
50°	9567.5	9570.9	10142.0	10834.8	11605.3	12163.0	9820.9	6853.7	6620.5	4393.4	1051.0
52.5°	8692.2	8719.2	9324.1	10334.6	11203.2	12325.2	12031.2	8661.8	8283.2	5424.2	1449.8
55°	7793.2	7806.7	8340.7	9763.5	11013.9	11841.9	13166.7	10990.3	10588.1	6708.4	1838.5
57.5°	6928.1	6928.1	7127.4	8391.4	10807.8	11798.0	13031.5	13119.4	12791.5	8175.1	2125.7
60°	5204.5	5238.3	5735.1	6620.5	9320.8	11862.2	12686.8	13798.7	13798.7	10209.6	2345.4
62.5°	2629.3	2680.0	3298.4	4160.2	6394.1	10976.7	12740.9	13457.3	13511.4	12004.1	2845.6
65°	1233.5	1291.0	1622.2	2230.5	3440.4	7725.6	12179.9	13166.7	13149.8	11662.8	3900.0
67.5°	885.4	902.3	1013.9	1301.1	1852.0	3386.3	9297.1	12298.1	12304.9	9908.8	4484.6
70°	794.2	794.2	821.2	905.7	1115.2	1514.0	4518.4	9959.5	10442.8	7651.3	4156.8
72.5°	784.1	777.3	770.5	773.9	753.6	760.4	1551.2	5623.6	6313.0	5353.2	3315.3
75°	763.8	763.8	757.0	733.4	601.6	490.0	534.0	2274.4	2629.3	3575.6	2460.3
77.5°	604.9	665.8	736.7	692.8	550.9	368.4	310.9	659.0	831.4	2193.3	1784.4
80°	280.5	283.9	280.5	294.0	351.5	263.6	229.8	321.1	324.4	1216.6	1105.1
82.5°	202.8	206.2	196.0	175.7	155.5	141.9	189.3	236.6	253.5	557.6	412.3
85°	60.8	57.5	67.6	91.2	108.1	125.0	158.8	199.4	209.5	206.2	60.8
87.5°	27.0	27.0	33.8	47.3	64.2	94.6	138.6	182.5	185.9	212.9	16.9
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: P1067254

CATALOG NUMBER: NAV-SA3B-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
2.5°	84.5	81.1	77.7	74.3	71.0	67.6	64.2	64.2	67.6	67.6	67.6
5°	81.1	77.7	71.0	64.2	60.8	57.5	54.1	54.1	57.5	57.5	57.5
7.5°	81.1	74.3	67.6	60.8	54.1	50.7	47.3	47.3	47.3	50.7	50.7
10°	81.1	74.3	64.2	54.1	47.3	43.9	40.6	37.2	40.6	40.6	40.6
12.5°	77.7	71.0	60.8	50.7	40.6	33.8	30.4	30.4	30.4	30.4	30.4
15°	74.3	67.6	57.5	43.9	33.8	27.0	20.3	20.3	20.3	23.7	23.7
17.5°	71.0	64.2	50.7	33.8	23.7	16.9	13.5	13.5	13.5	16.9	16.9
20°	71.0	60.8	43.9	27.0	16.9	10.1	6.8	6.8	6.8	10.1	13.5
22.5°	71.0	60.8	40.6	20.3	10.1	6.8	3.4	3.4	3.4	3.4	3.4
25°	71.0	57.5	37.2	16.9	6.8	3.4	0.0	0.0	3.4	6.8	10.1
27.5°	71.0	54.1	30.4	10.1	6.8	3.4	0.0	3.4	6.8	6.8	6.8
30°	71.0	54.1	27.0	10.1	3.4	0.0	0.0	3.4	6.8	6.8	10.1
32.5°	74.3	50.7	23.7	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	77.7	47.3	20.3	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	84.5	47.3	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	94.6	50.7	13.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	118.3	54.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	165.6	67.6	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	243.3	101.4	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	354.9	138.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	436.0	138.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	432.6	87.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	331.2	60.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	280.5	43.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	338.0	33.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	601.6	30.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	966.5	30.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1081.5	30.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	844.9	27.0	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	463.0	23.7	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	233.2	16.9	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	98.0	13.5	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
82.5°	33.8	13.5	6.8	6.8	3.4	3.4	0.0	0.0	0.0	0.0	0.0
85°	16.9	10.1	10.1	6.8	6.8	3.4	3.4	0.0	0.0	0.0	0.0
87.5°	10.1	10.1	10.1	6.8	6.8	3.4	3.4	0.0	0.0	0.0	3.4
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

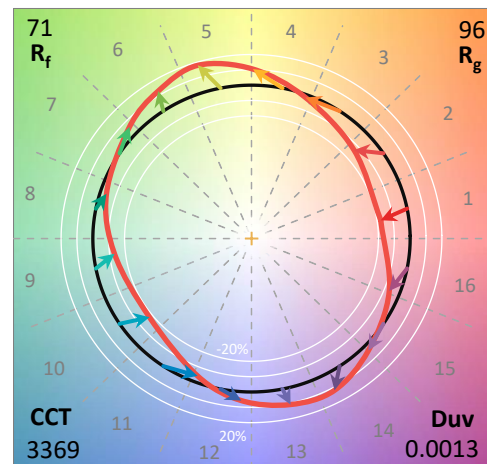
Test Information

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

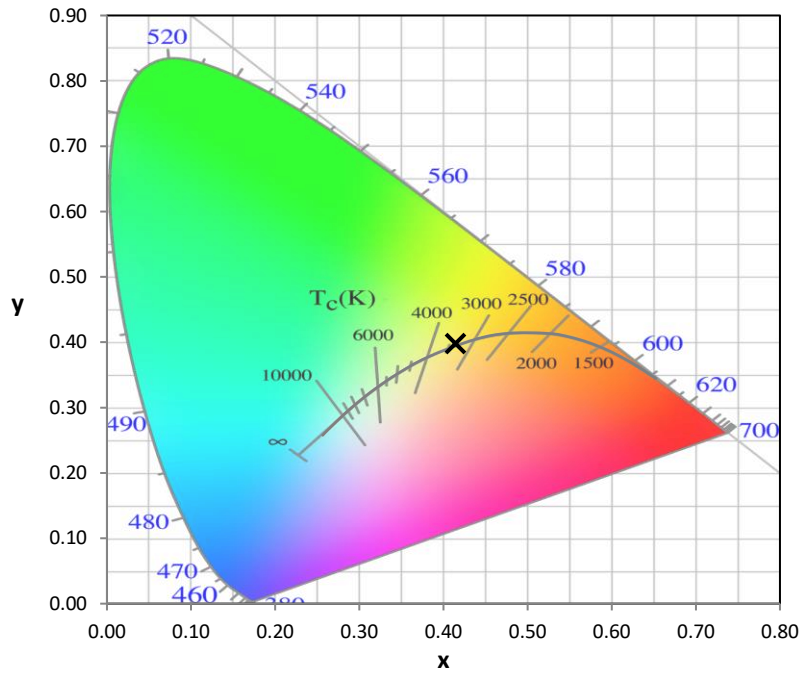
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

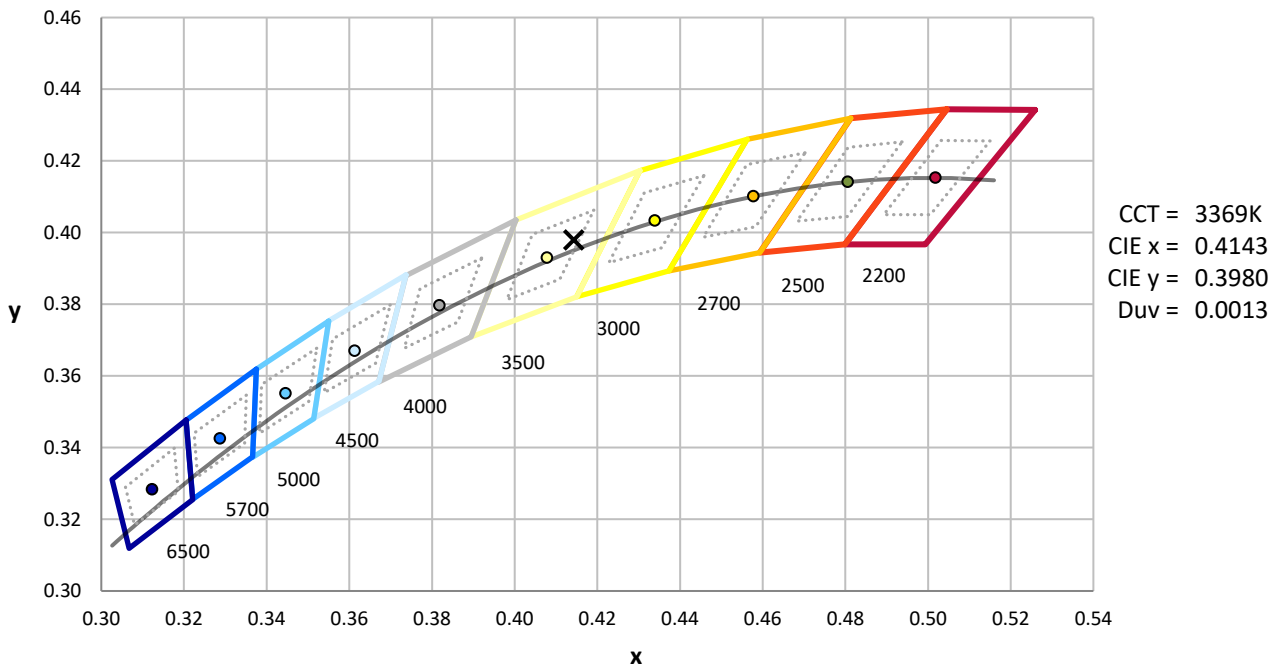
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

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

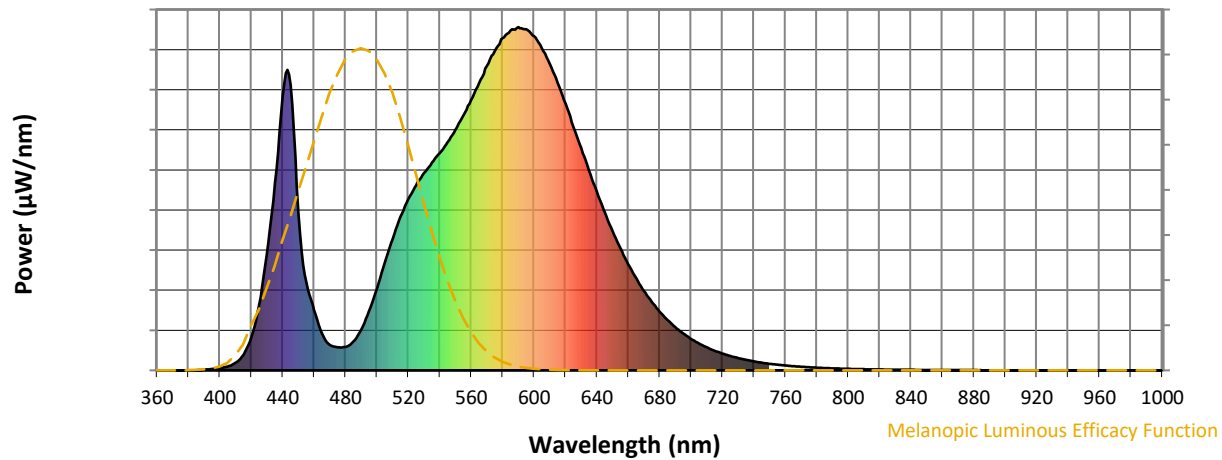
Scotopic Flux vs. Wavelength


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

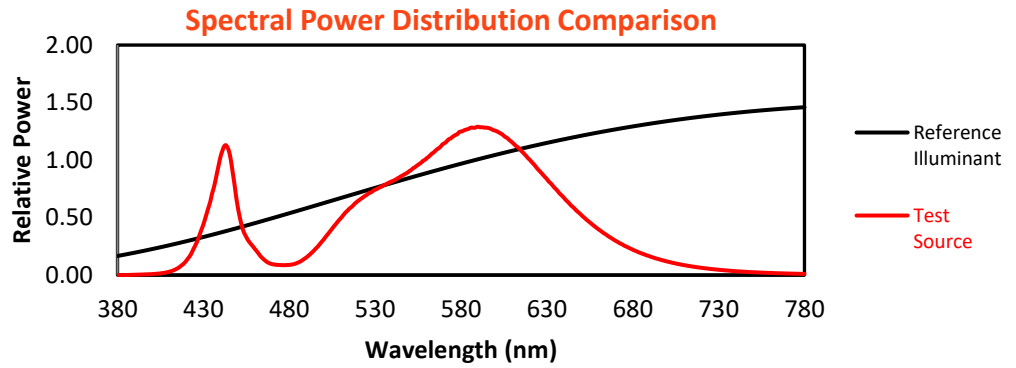
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	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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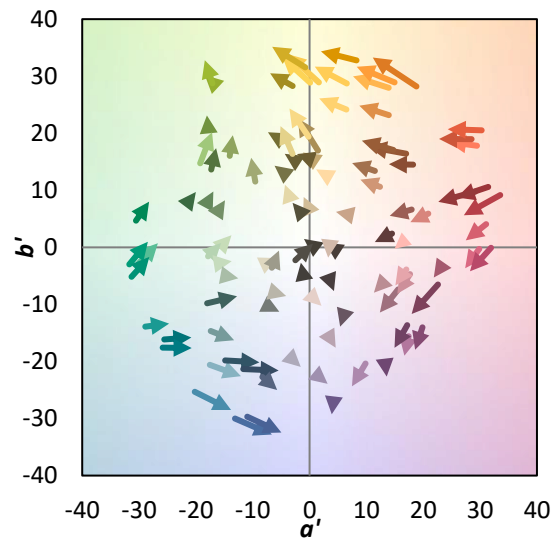
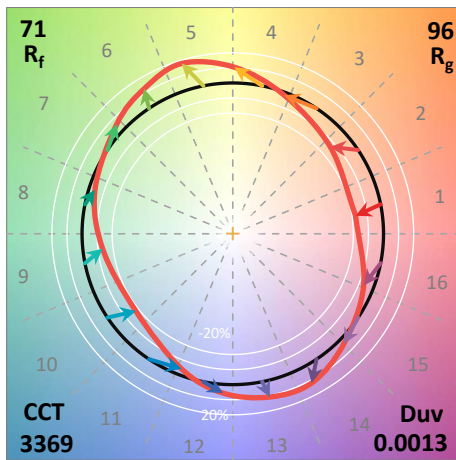
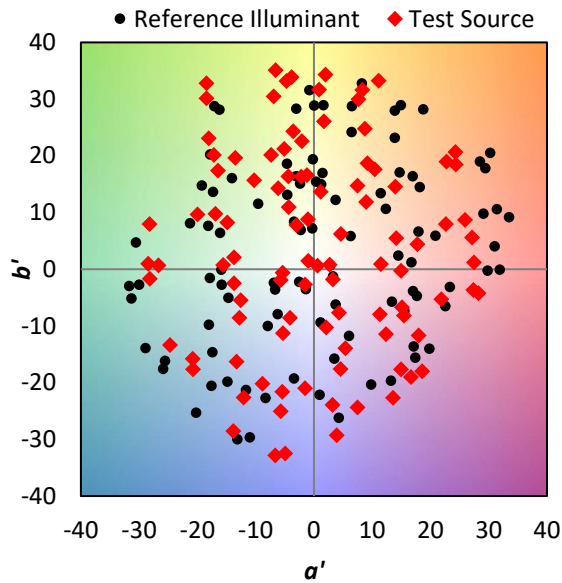
TM-30-18

Summary

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

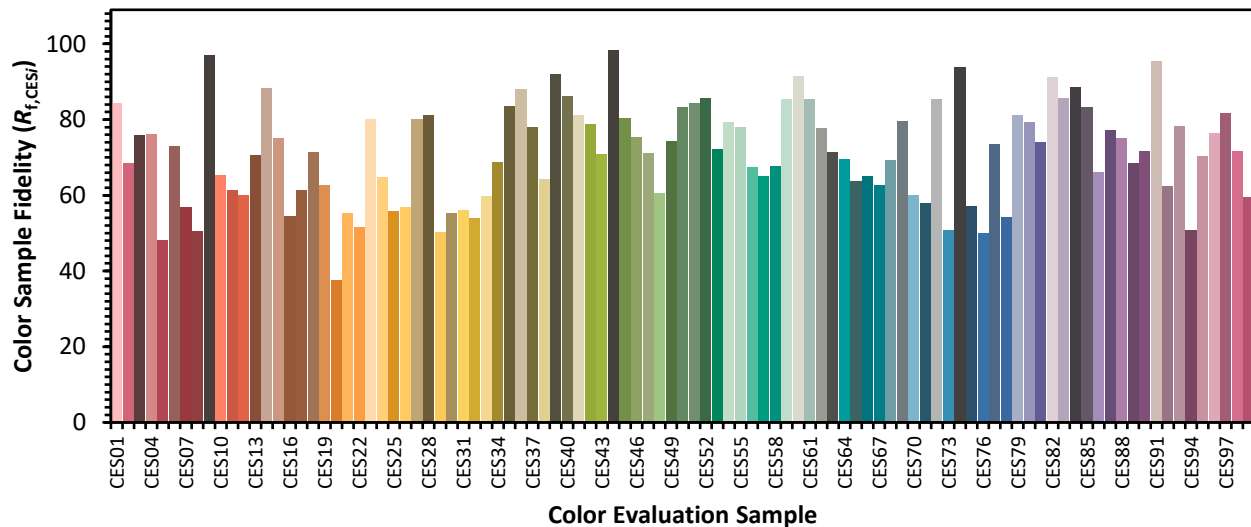


Color Vector Graphics



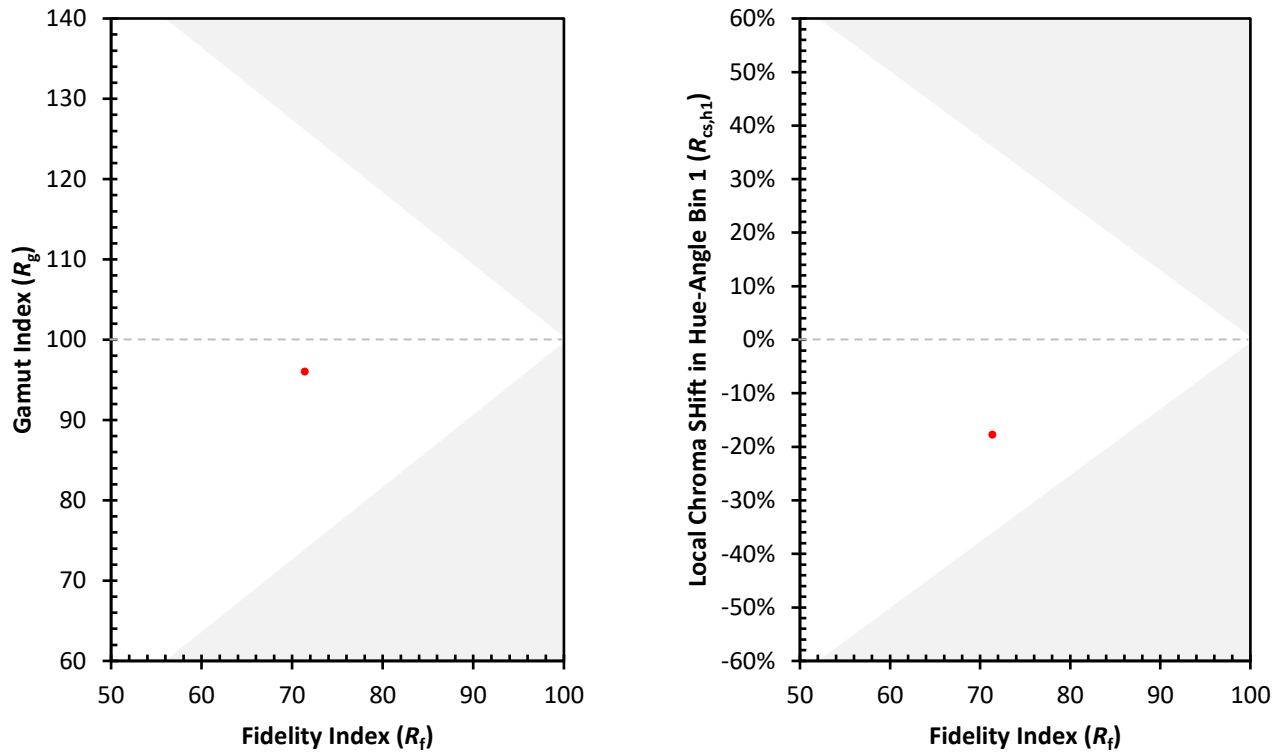
Individual Sample Fidelity Index ($R_{f,i}$)

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)