

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: P1067024

Luminaire Tested: **NAV-SA5D-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067024
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 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: 29556.4 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 269.7
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

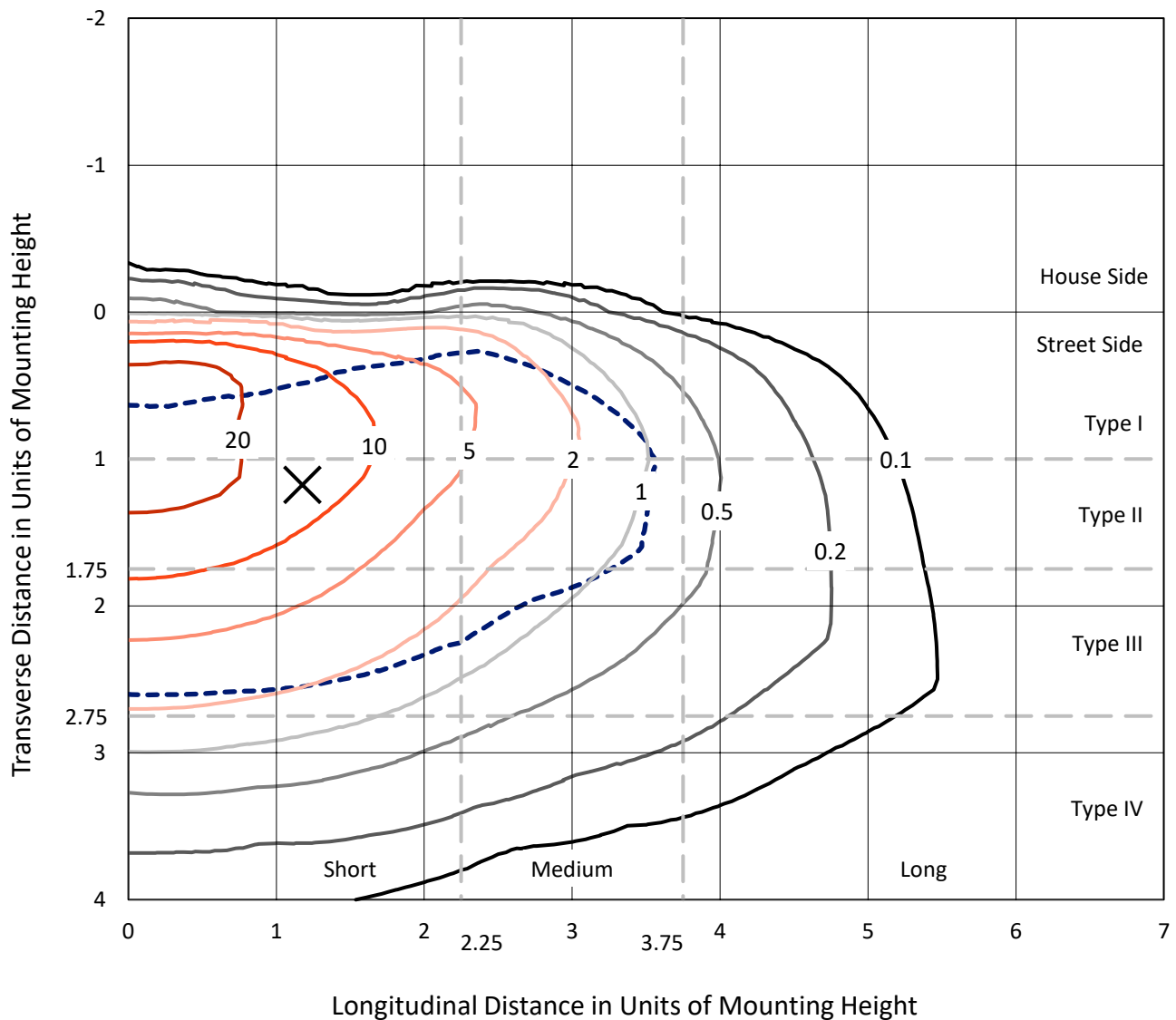


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

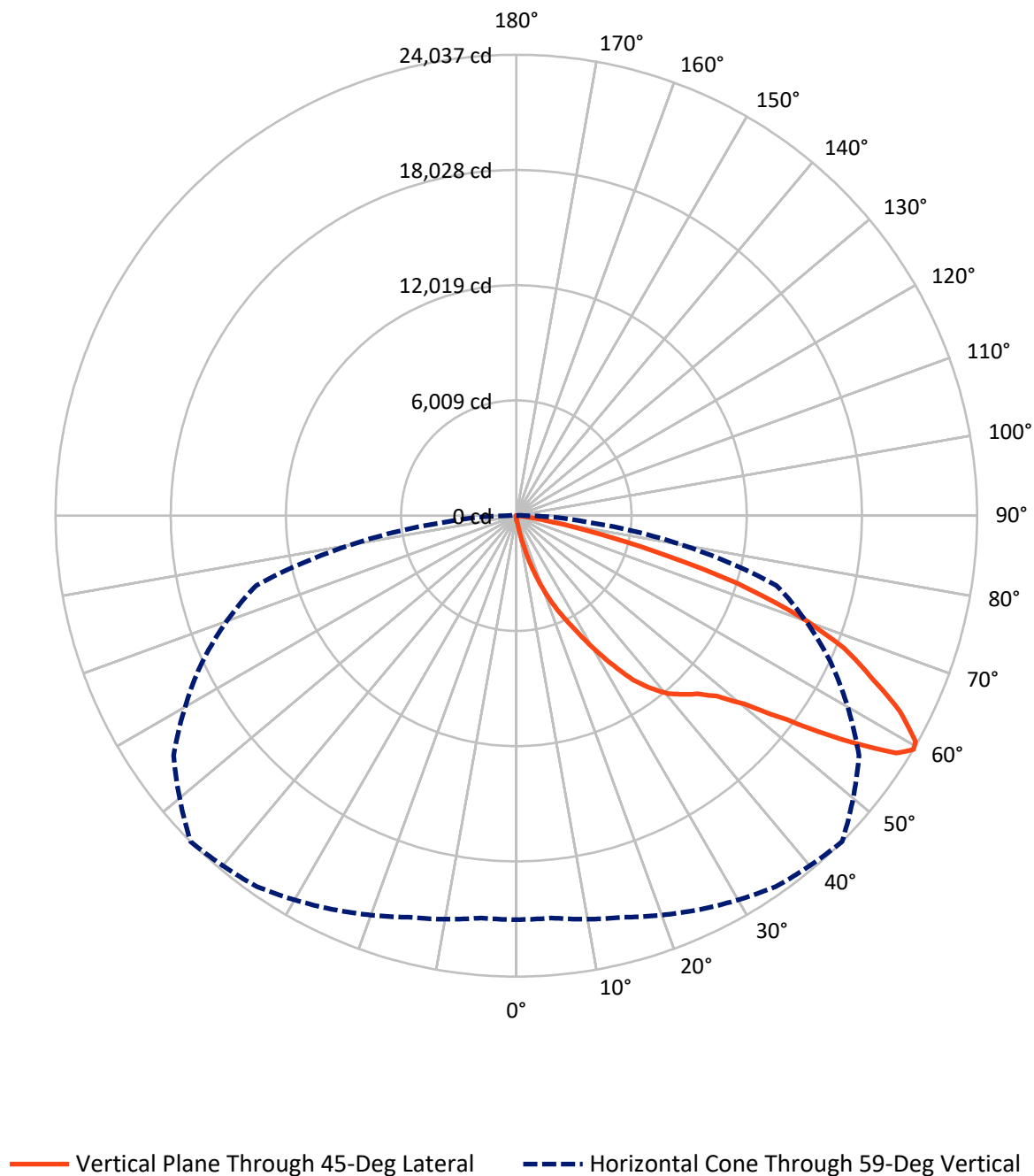


Based on 15 foot mounting height. Maximum calculated value = 32.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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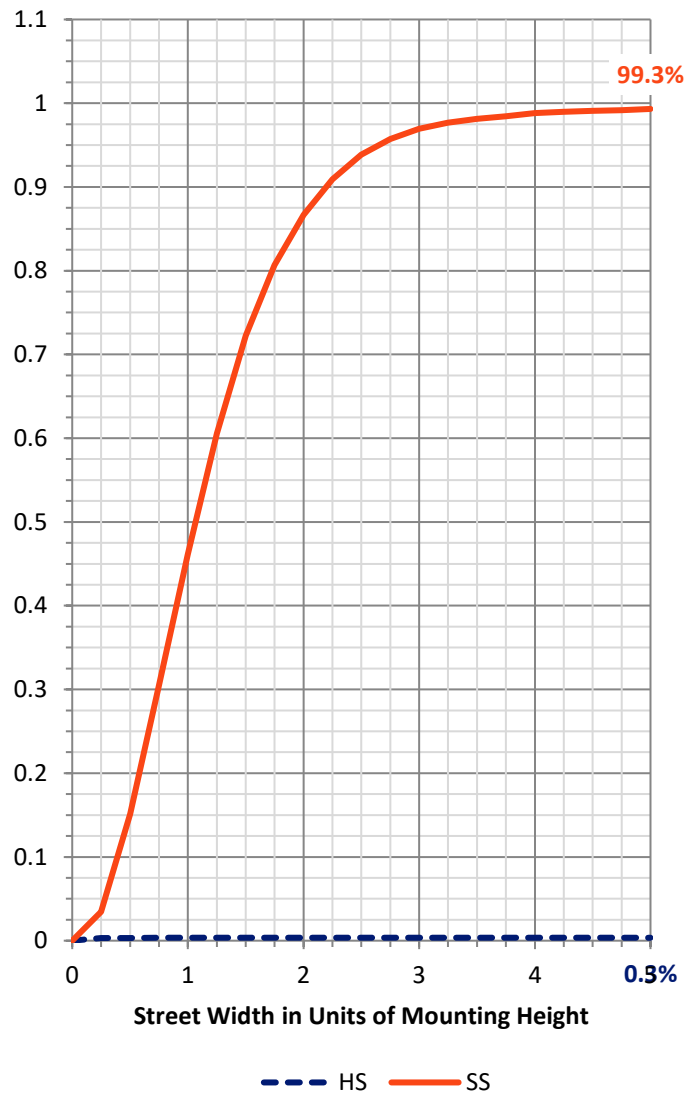
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	104.9	0.0	104.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	29451.5	0.0	29451.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	29556.4	0.0	29556.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.1
10°-20°	326.7	1.1
20°-30°	1173.8	4.0
30°-40°	2727.6	9.2
40°-50°	4649.1	15.7
50°-60°	7660.4	25.9
60°-70°	8857.1	30.0
70°-80°	3805.3	12.9
80°-90°	328.8	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°	29556.4	100.0
0°-180°	29556.4	100.0



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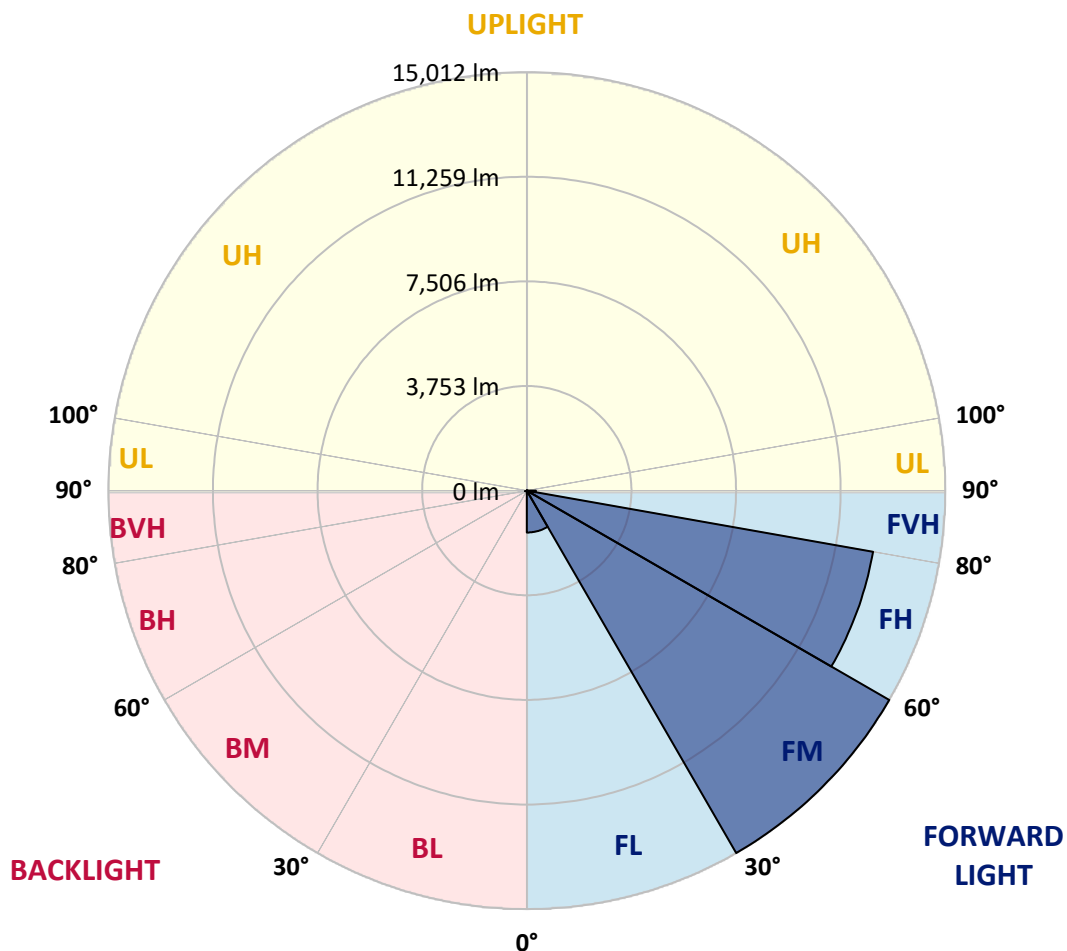
CATALOG NUMBER: NAV-SA5D-735-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1502.1	5.1			
FM	(30°-60°)	15011.7	50.8			
FH	(60°-80°)	12613.1	42.7			G5
FVH	(80°-90°)	324.5	1.1			G3/500
BL	(0°-30°)	25.9	0.1	B0/110		
BM	(30°-60°)	25.4	0.1	B0/220		
BH	(60°-80°)	49.4	0.2	B0/110		G0/110
BVH	(80°-90°)	4.3	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8
2.5°	242.5	242.5	236.5	228.5	226.6	220.6	220.6	214.6	206.7	200.7	192.8
5°	351.8	349.8	333.9	314.0	288.2	272.3	272.3	250.4	230.5	212.6	196.8
7.5°	769.1	751.2	693.6	598.2	473.0	389.5	383.6	312.0	264.3	228.5	198.7
10°	1764.8	1703.2	1621.7	1393.2	1029.5	719.4	705.5	455.1	316.0	246.4	202.7
12.5°	2891.6	2941.3	2778.4	2418.6	1993.3	1482.6	1383.2	767.1	417.4	270.3	206.7
15°	3917.1	3905.2	3813.8	3519.7	3028.8	2349.1	2287.5	1333.5	598.2	308.0	210.7
17.5°	4684.3	4670.3	4582.9	4394.1	4016.5	3336.8	3283.2	2126.5	938.0	361.7	214.6
20°	5493.1	5475.2	5352.0	5201.0	4871.1	4292.7	4229.1	3012.9	1468.7	449.1	214.6
22.5°	6463.0	6429.2	6298.0	6041.6	5693.8	5191.0	5133.4	3919.1	2126.5	592.2	224.6
25°	7635.5	7577.9	7397.0	7166.5	6747.2	6079.4	6017.8	4928.7	2919.5	808.9	234.5
27.5°	8973.0	8983.0	8738.5	8349.0	7786.6	7104.9	6989.6	5833.0	3740.3	1118.9	246.4
30°	10560.9	10461.6	10117.8	9664.6	9118.1	8249.6	8138.3	6733.2	4662.4	1576.0	266.3
32.5°	12047.5	11940.2	11477.1	10906.7	10320.5	9404.3	9312.9	7744.8	5501.1	2116.6	302.1
35°	13323.4	13247.9	12600.0	11904.4	11383.7	10564.9	10537.1	8873.7	6486.8	2698.9	341.8
37.5°	14446.3	14309.1	13476.4	12755.0	12226.4	11493.0	11433.4	9907.1	7436.8	3374.6	401.5
40°	15404.2	15328.7	14313.1	13365.1	12935.9	12280.0	12204.5	10813.3	8418.5	4159.6	475.0
42.5°	16429.7	16330.3	15344.6	14281.3	13490.3	12788.8	12739.1	11560.6	9293.0	5022.1	584.3
45°	17588.3	17403.5	16539.0	15585.0	14382.7	13315.5	13259.8	12226.4	10189.3	5948.2	717.4
47.5°	18826.5	18665.5	17965.9	17296.2	15913.0	14183.9	14064.7	12792.8	11079.6	7017.4	886.4
50°	20086.5	20090.4	19565.8	19243.8	17783.1	15595.0	15426.1	13625.5	12015.7	8162.2	1136.8
52.5°	21553.1	21590.9	21583.0	21344.5	20211.7	17902.3	17675.8	14889.5	13102.8	9497.7	1482.6
55°	22167.2	22234.8	22674.0	23202.7	22894.6	20827.8	20585.3	17069.6	14543.7	10986.2	1995.3
57.5°	21664.4	21740.0	22346.1	23272.2	23979.7	23389.5	23361.7	19907.6	16441.6	12790.8	2834.0
59°	21066.2	21056.3	21678.4	22660.1	23614.1	23997.6	24037.4	21827.4	18095.1	14056.7	3557.4
60°	20668.8	20676.7	21090.1	22097.7	23111.3	23777.0	23932.0	22958.2	19061.0	14967.0	4177.5
62.5°	19134.5	19225.9	19553.8	20489.9	21451.8	22195.1	22459.4	23965.8	21825.4	17117.3	6333.8
65°	17467.1	17473.1	17940.1	18741.0	19663.1	20185.8	20352.8	22397.8	23671.7	19307.4	9161.8
67.5°	14492.0	14613.2	15143.8	16441.6	17659.9	18321.7	18448.9	19496.2	22906.6	20734.3	10578.8
70°	10141.6	10300.6	11057.8	12741.1	14555.6	15642.7	15634.7	16207.1	20160.0	20098.4	8969.1
72.5°	5063.8	5338.1	5956.2	7758.7	9956.8	11663.9	12023.7	13037.2	16195.2	16694.0	6691.5
75°	2237.8	2253.7	2605.5	3513.7	4948.6	7116.8	7438.8	10348.3	12425.1	11602.3	4833.3
77.5°	1301.7	1313.7	1377.3	1578.0	2005.3	3487.9	3849.6	6786.9	8780.2	6743.2	3152.0
80°	473.0	484.9	482.9	598.2	878.4	1373.3	1530.3	3289.1	5856.8	3551.4	1651.5
82.5°	290.2	290.2	280.2	282.2	320.0	526.7	576.3	1401.1	2851.9	1748.9	473.0
85°	143.1	151.0	161.0	180.9	214.6	260.3	276.2	401.5	959.9	423.3	113.3
87.5°	85.5	87.4	95.4	115.3	143.1	186.8	198.7	272.3	343.8	284.2	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8	186.8
2.5°	188.8	186.8	176.9	168.9	161.0	153.0	147.1	141.1	141.1	143.1	141.1
5°	188.8	180.9	165.0	151.0	139.1	129.2	119.2	111.3	109.3	109.3	111.3
7.5°	186.8	176.9	155.0	137.1	121.2	107.3	97.4	87.4	85.5	87.4	85.5
10°	184.8	172.9	147.1	125.2	103.3	89.4	75.5	65.6	65.6	65.6	67.6
12.5°	184.8	166.9	139.1	113.3	89.4	73.5	59.6	49.7	47.7	47.7	47.7
15°	182.8	163.0	131.2	99.4	75.5	55.6	43.7	33.8	33.8	33.8	33.8
17.5°	178.9	157.0	121.2	87.4	59.6	41.7	29.8	19.9	19.9	23.8	23.8
20°	174.9	151.0	109.3	71.5	49.7	31.8	19.9	11.9	11.9	17.9	19.9
22.5°	176.9	151.0	101.4	63.6	39.7	23.8	15.9	9.9	7.9	13.9	17.9
25°	178.9	147.1	91.4	55.6	29.8	17.9	11.9	4.0	2.0	4.0	6.0
27.5°	178.9	143.1	79.5	43.7	21.9	13.9	6.0	0.0	0.0	0.0	0.0
30°	176.9	137.1	69.6	35.8	15.9	7.9	2.0	0.0	0.0	0.0	0.0
32.5°	174.9	131.2	63.6	27.8	13.9	4.0	0.0	0.0	0.0	0.0	0.0
35°	176.9	123.2	55.6	21.9	7.9	0.0	0.0	0.0	0.0	0.0	4.0
37.5°	182.8	115.3	47.7	17.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	190.8	109.3	39.7	13.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	206.7	109.3	35.8	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	226.6	109.3	29.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	252.4	111.3	25.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	284.2	115.3	23.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	308.0	111.3	21.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	349.8	107.3	19.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	405.4	101.4	19.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	461.1	93.4	19.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	524.7	89.4	17.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	866.5	79.5	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1673.4	75.5	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2704.8	75.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2843.9	75.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1892.0	61.6	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1013.6	55.6	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	546.5	51.7	7.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	240.5	37.8	9.9	6.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	95.4	25.8	11.9	9.9	7.9	4.0	0.0	0.0	0.0	0.0	0.0
85°	45.7	19.9	15.9	13.9	9.9	6.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.9	19.9	17.9	15.9	13.9	9.9	2.0	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

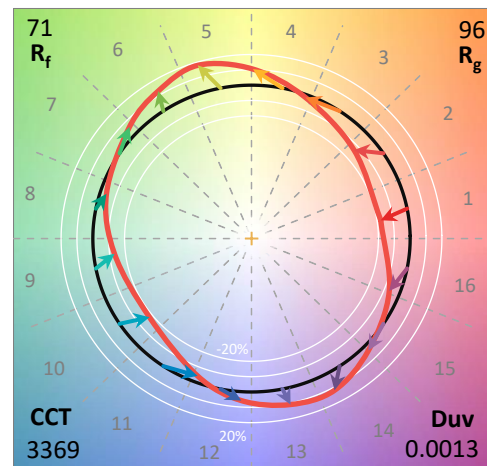
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

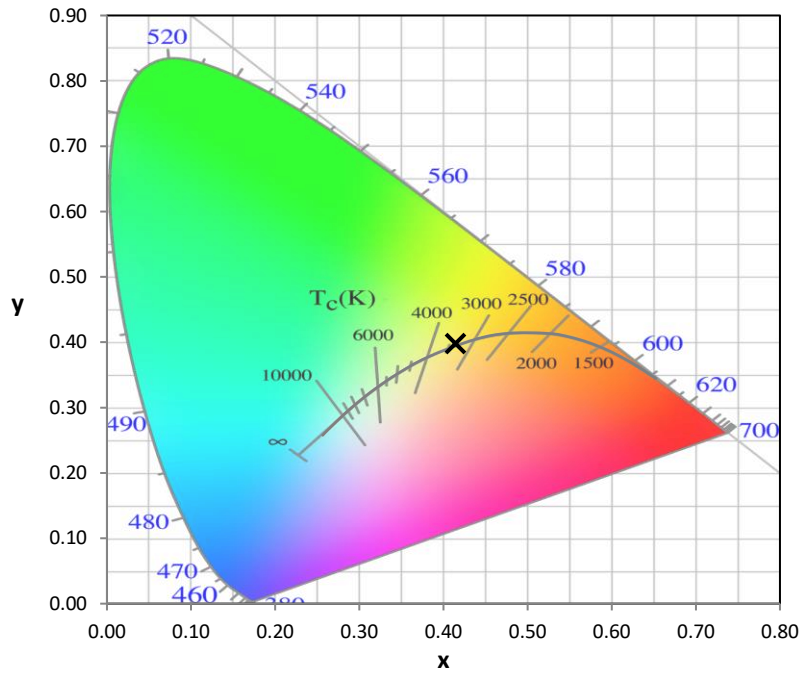
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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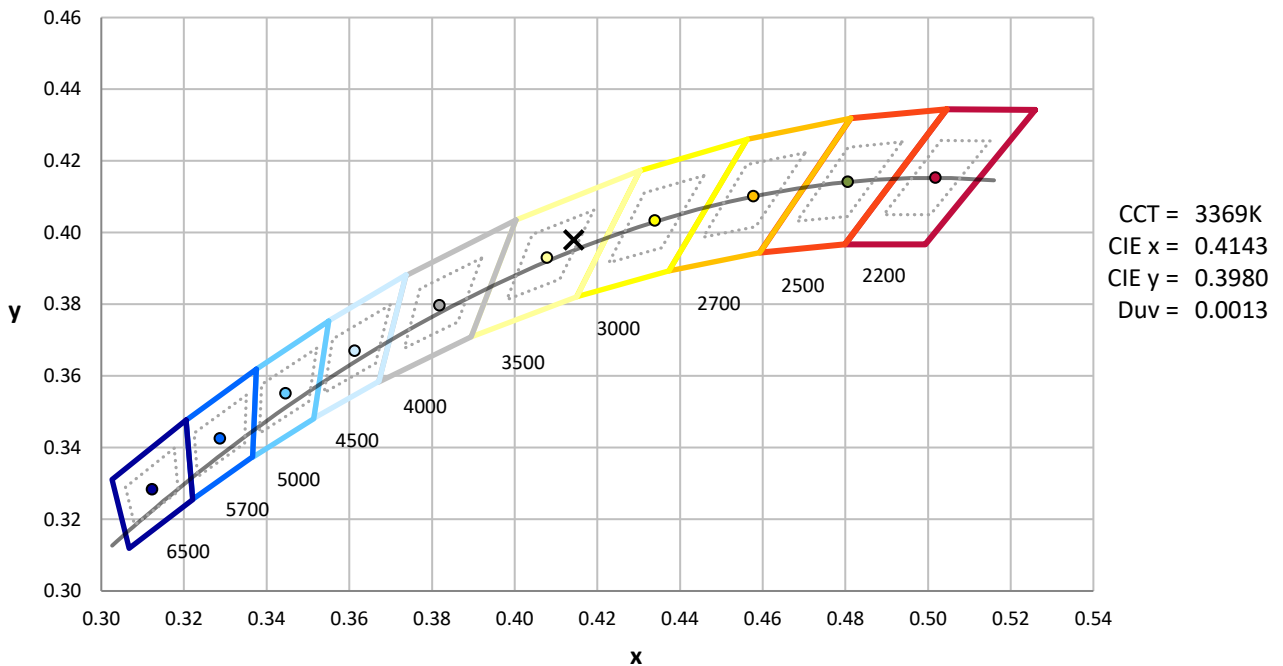
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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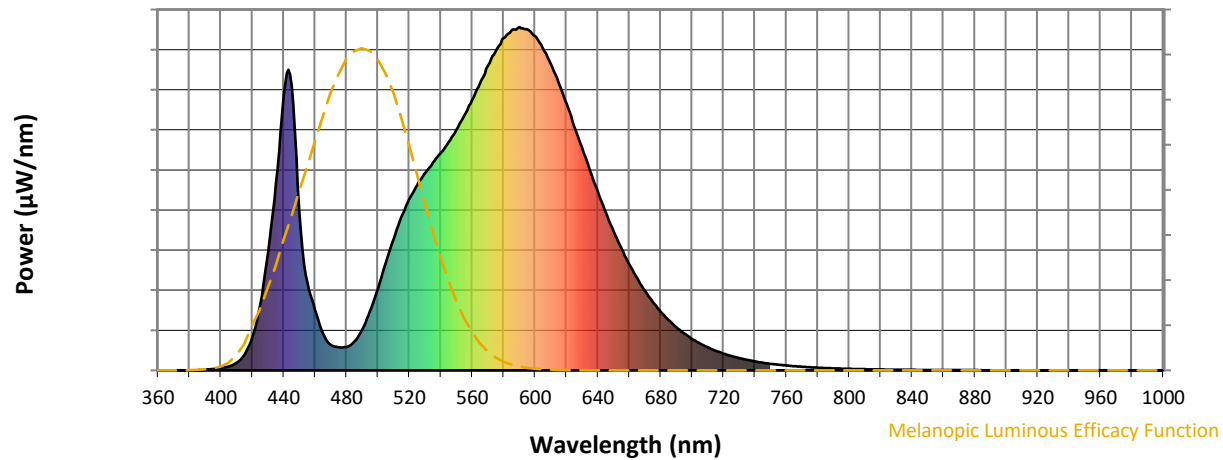
Scotopic Flux vs. Wavelength


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

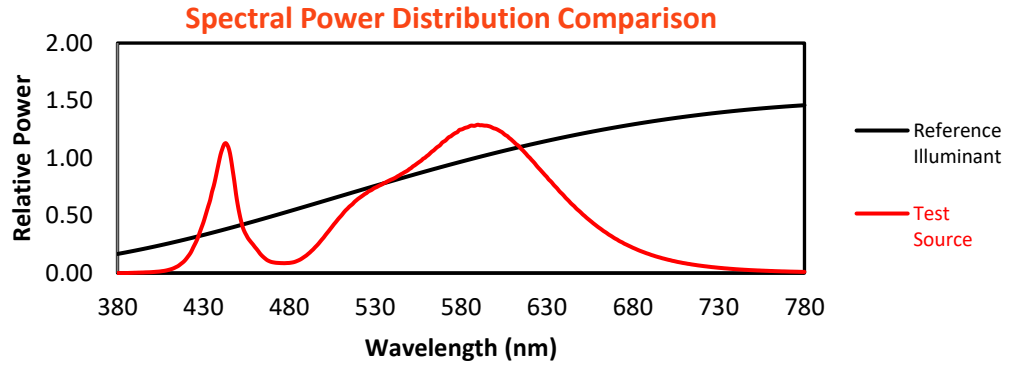
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778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

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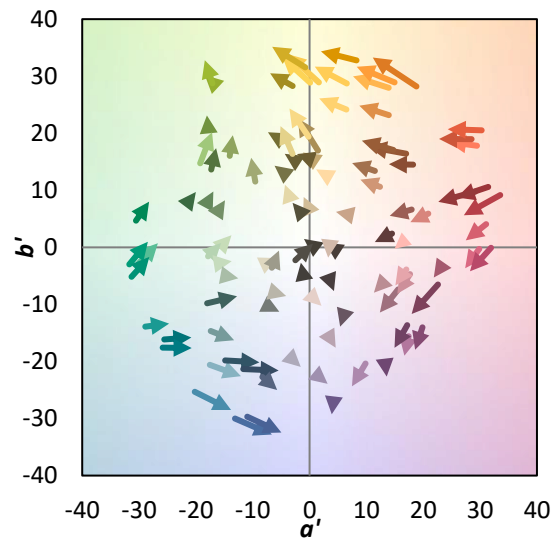
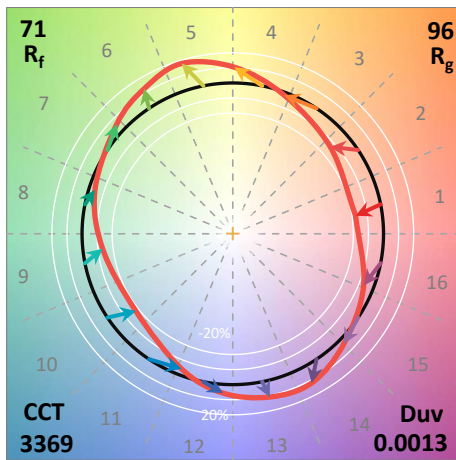
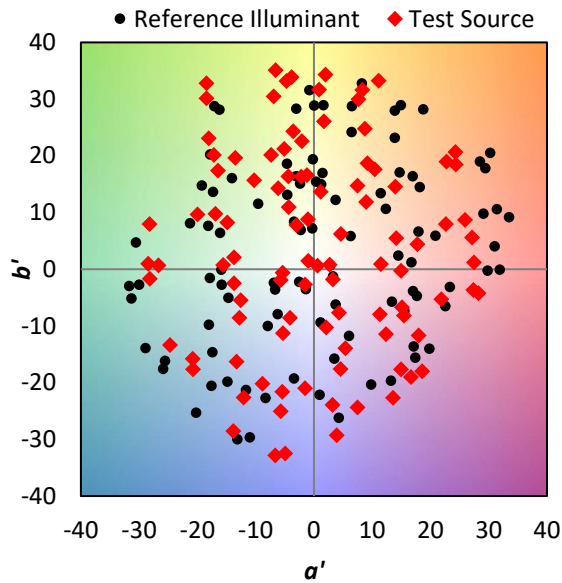
TM-30-18

Summary

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

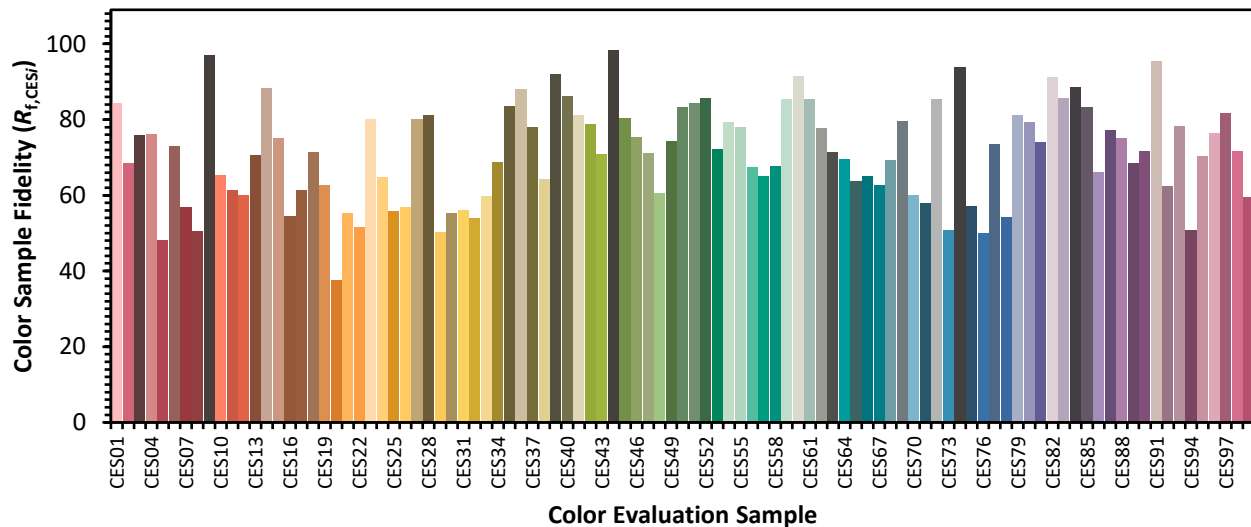


Color Vector Graphics



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

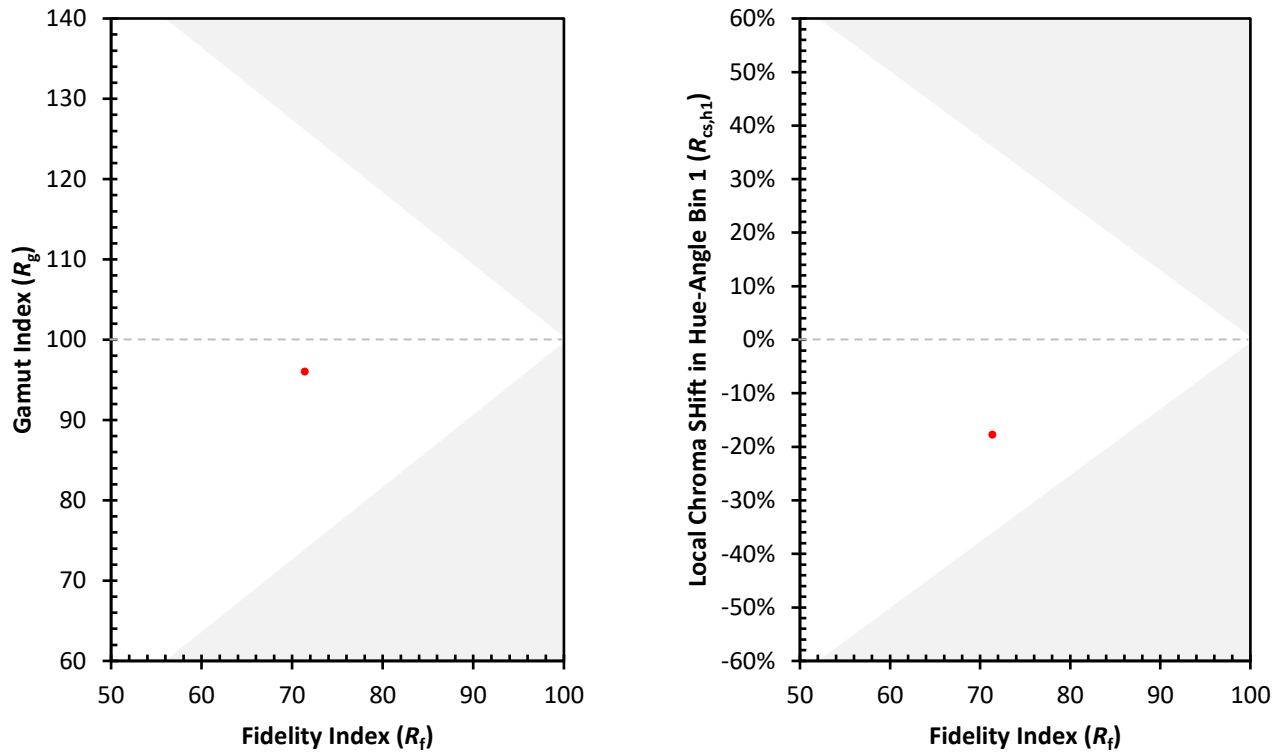
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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