

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: P1067263

Luminaire Tested: **NAV-SA5C-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067263
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-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25278.4 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - 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

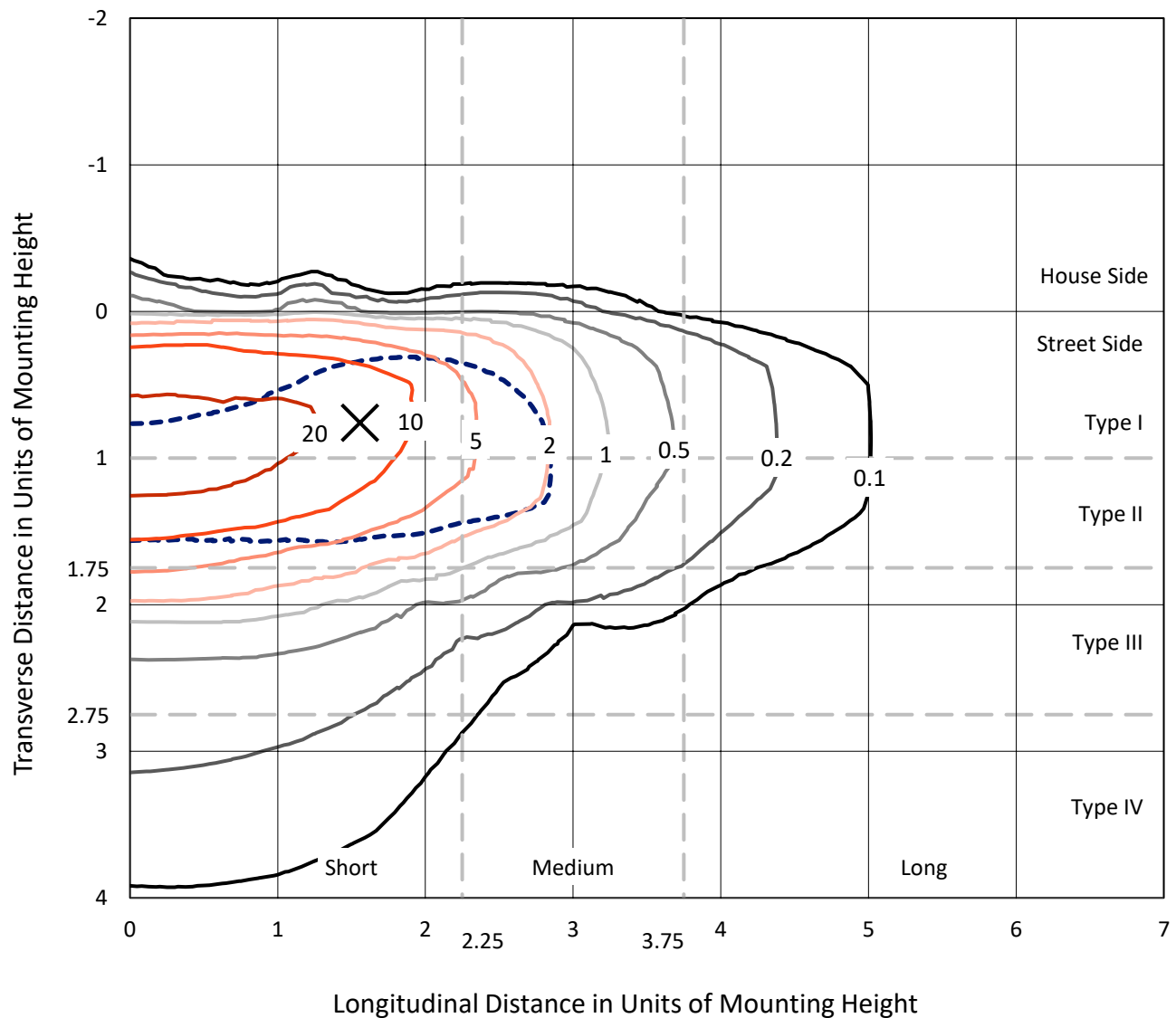


REPORT NUMBER: P1067263

CATALOG NUMBER: NAV-SA5C-735-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

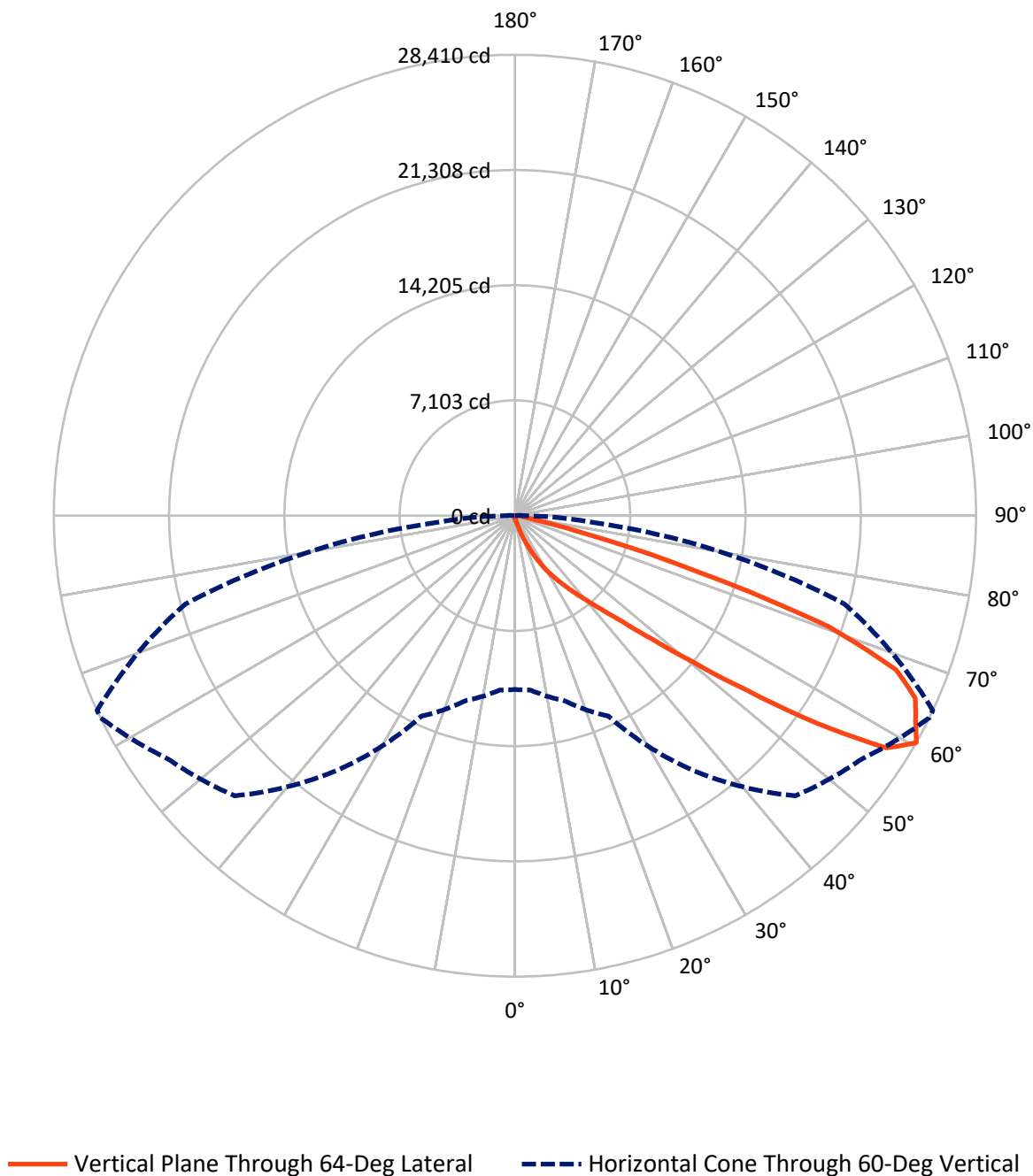


Based on 15 foot mounting height. Maximum calculated value = 36.3 fc
 Type II - Short - N/A

REPORT NUMBER: P1067263

CATALOG NUMBER: NAV-SA5C-735-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067263

CATALOG NUMBER: NAV-SA5C-735-U-T2BC

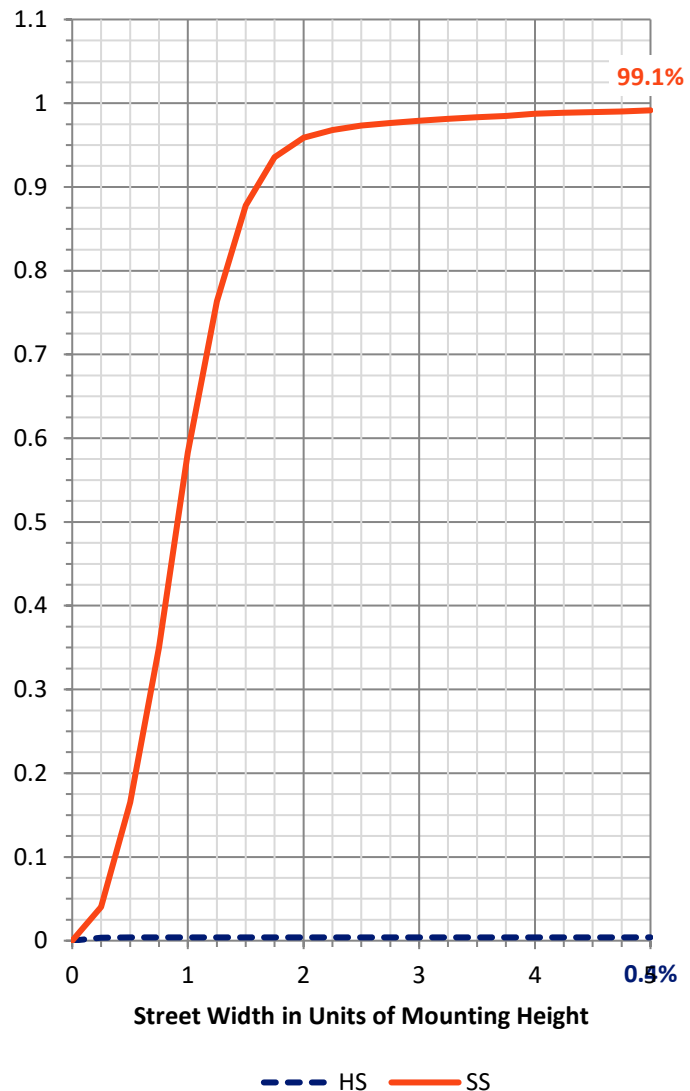
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	102.5	0.0	102.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	25175.9	0.0	25175.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	25278.4	0.0	25278.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	0.1
10°-20°	248.4	1.0
20°-30°	825.0	3.3
30°-40°	2201.4	8.7
40°-50°	5595.4	22.1
50°-60°	8156.9	32.3
60°-70°	6300.4	24.9
70°-80°	1730.2	6.8
80°-90°	195.3	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°	25278.4	100.0
0°-180°	25278.4	100.0



REPORT NUMBER: P1067263

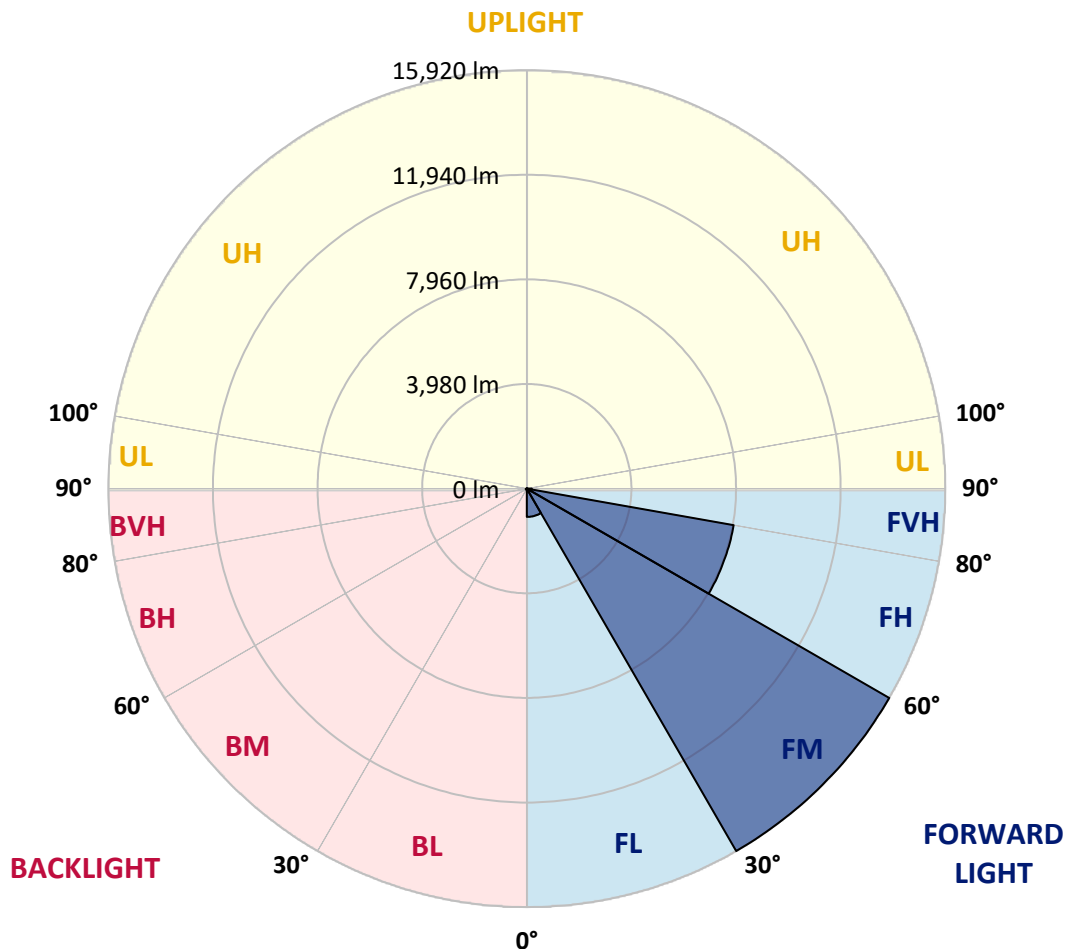
CATALOG NUMBER: NAV-SA5C-735-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1075.6	4.3			
FM	(30°-60°)	15919.8	63.0			
FH	(60°-80°)	7989.8	31.6			G4/12000
FVH	(80°-90°)	190.7	0.8			G2/225
BL	(0°-30°)	23.0	0.1	B0/110		
BM	(30°-60°)	34.0	0.1	B0/220		
BH	(60°-80°)	40.9	0.2	B0/110		G0/110
BVH	(80°-90°)	4.6	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 II Short



REPORT NUMBER: P1067263

CATALOG NUMBER: NAV-SA5C-735-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0
2.5°	222.7	222.7	222.7	215.7	208.7	208.7	201.8	194.8	194.8	180.9	174.0
5°	341.0	341.0	327.0	313.1	292.2	264.4	236.6	215.7	215.7	194.8	180.9
7.5°	668.0	688.9	626.2	549.7	445.3	375.7	299.2	250.5	243.5	208.7	180.9
10°	1447.3	1433.4	1336.0	1148.1	904.6	654.1	417.5	306.2	292.2	222.7	180.9
12.5°	2177.9	2198.8	2094.4	1885.7	1593.4	1162.0	716.7	396.6	382.7	243.5	180.9
15°	2804.2	2804.2	2734.6	2630.2	2310.1	1857.8	1155.1	591.4	542.7	264.4	174.0
17.5°	3235.6	3228.6	3200.8	3173.0	2985.1	2518.9	1767.4	946.3	835.0	313.1	174.0
20°	3722.7	3701.8	3736.6	3680.9	3534.8	3166.0	2414.5	1405.6	1301.2	396.6	174.0
22.5°	4230.6	4251.5	4279.3	4223.6	4063.6	3743.5	3096.4	1997.0	1885.7	549.7	180.9
25°	4877.7	4863.8	4926.4	4877.7	4675.9	4300.2	3736.6	2644.1	2484.1	765.4	194.8
27.5°	5671.0	5643.1	5684.9	5559.6	5295.2	4912.5	4307.1	3305.2	3117.3	1099.4	222.7
30°	6721.6	6742.5	6554.6	6408.5	6032.8	5524.8	4940.3	4014.9	3820.1	1496.0	250.5
32.5°	8377.7	8231.6	7939.3	7347.9	6853.9	6206.7	5573.5	4634.2	4460.2	2004.0	292.2
35°	10959.2	10987.0	10346.9	8885.7	7814.1	7062.6	6269.4	5316.1	5190.8	2581.5	347.9
37.5°	14104.3	14027.8	13464.2	11620.2	9219.7	8127.2	7062.6	6060.6	5879.7	3207.7	417.5
40°	17666.9	17346.9	17019.8	15767.3	12149.1	9463.2	8064.6	6923.4	6784.3	3931.4	528.8
42.5°	20519.8	20436.3	20492.0	19970.1	17033.7	11738.5	9393.6	7981.1	7814.1	4829.0	723.7
45°	21925.4	21807.1	22141.1	22530.7	21779.2	16581.5	11536.7	9331.0	9108.3	5886.7	1022.9
47.5°	21549.6	21466.1	22182.8	22948.2	23950.2	22196.7	15036.7	11348.9	10966.2	7243.5	1468.2
50°	19698.7	19705.7	20881.6	22308.1	23894.5	25042.7	20220.6	14111.3	13631.2	9045.7	2164.0
52.5°	17896.6	17952.2	19197.7	21278.3	23066.5	25376.7	24771.3	17833.9	17054.6	11168.0	2985.1
55°	16045.7	16073.5	17172.9	20102.3	22676.9	24381.6	27109.3	22628.2	21800.1	13812.1	3785.3
57.5°	14264.4	14264.4	14674.9	17277.3	22252.4	24291.2	26830.9	27011.8	26336.9	16831.9	4376.7
60°	10715.7	10785.3	11808.1	13631.2	19190.8	24423.4	26121.2	28410.4	28410.4	21020.8	4829.0
62.5°	5413.5	5517.9	6791.2	8565.6	13165.0	22600.3	26232.5	27707.7	27819.0	24715.6	5858.8
65°	2539.8	2658.0	3339.9	4592.4	7083.5	15906.5	25077.4	27109.3	27074.5	24012.8	8029.8
67.5°	1823.1	1857.8	2087.5	2678.9	3813.1	6972.1	19142.1	25321.0	25334.9	20401.5	9233.6
70°	1635.2	1635.2	1690.8	1864.8	2296.2	3117.3	9303.1	20505.9	21500.9	15753.4	8558.6
72.5°	1614.3	1600.4	1586.5	1593.4	1551.7	1565.6	3193.8	11578.5	12998.0	11021.8	6826.0
75°	1572.6	1572.6	1558.6	1509.9	1238.6	1008.9	1099.4	4682.9	5413.5	7361.8	5065.6
77.5°	1245.5	1370.8	1516.9	1426.4	1134.2	758.4	640.2	1356.9	1711.7	4515.9	3673.9
80°	577.5	584.5	577.5	605.4	723.7	542.7	473.2	661.0	668.0	2505.0	2275.3
82.5°	417.5	424.5	403.6	361.8	320.1	292.2	389.7	487.1	521.9	1148.1	848.9
85°	125.2	118.3	139.2	187.9	222.7	257.5	327.0	410.5	431.4	424.5	125.2
87.5°	55.7	55.7	69.6	97.4	132.2	194.8	285.3	375.7	382.7	438.4	34.8
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: P1067263

CATALOG NUMBER: NAV-SA5C-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0	167.0
2.5°	174.0	167.0	160.0	153.1	146.1	139.2	132.2	132.2	139.2	139.2	139.2
5°	167.0	160.0	146.1	132.2	125.2	118.3	111.3	111.3	118.3	118.3	118.3
7.5°	167.0	153.1	139.2	125.2	111.3	104.4	97.4	97.4	97.4	104.4	104.4
10°	167.0	153.1	132.2	111.3	97.4	90.5	83.5	76.5	83.5	83.5	83.5
12.5°	160.0	146.1	125.2	104.4	83.5	69.6	62.6	62.6	62.6	62.6	62.6
15°	153.1	139.2	118.3	90.5	69.6	55.7	41.7	41.7	41.7	48.7	48.7
17.5°	146.1	132.2	104.4	69.6	48.7	34.8	27.8	27.8	27.8	34.8	34.8
20°	146.1	125.2	90.5	55.7	34.8	20.9	13.9	13.9	13.9	20.9	27.8
22.5°	146.1	125.2	83.5	41.7	20.9	13.9	7.0	7.0	7.0	7.0	7.0
25°	146.1	118.3	76.5	34.8	13.9	7.0	0.0	0.0	7.0	13.9	20.9
27.5°	146.1	111.3	62.6	20.9	13.9	7.0	0.0	7.0	13.9	13.9	13.9
30°	146.1	111.3	55.7	20.9	7.0	0.0	0.0	7.0	13.9	13.9	20.9
32.5°	153.1	104.4	48.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	160.0	97.4	41.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	174.0	97.4	27.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	194.8	104.4	27.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	243.5	111.3	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	341.0	139.2	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	501.0	208.7	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	730.6	285.3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	897.6	285.3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	890.7	180.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	681.9	125.2	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	577.5	90.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	695.8	69.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1238.6	62.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1990.1	62.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2226.6	62.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1739.6	55.7	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	953.3	48.7	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	480.1	34.8	13.9	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	201.8	27.8	13.9	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	69.6	27.8	13.9	13.9	7.0	7.0	0.0	0.0	0.0	0.0	0.0
85°	34.8	20.9	20.9	13.9	13.9	7.0	7.0	0.0	0.0	0.0	0.0
87.5°	20.9	20.9	20.9	13.9	13.9	7.0	7.0	0.0	0.0	0.0	7.0
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

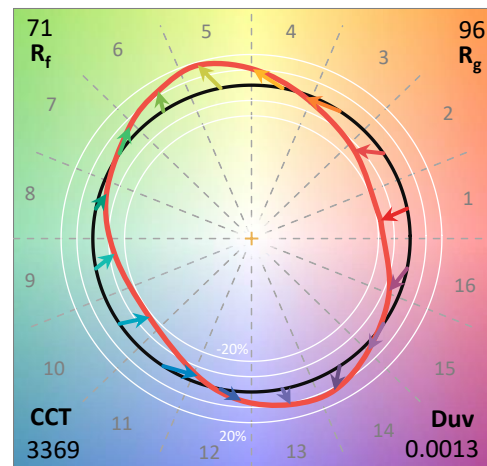
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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

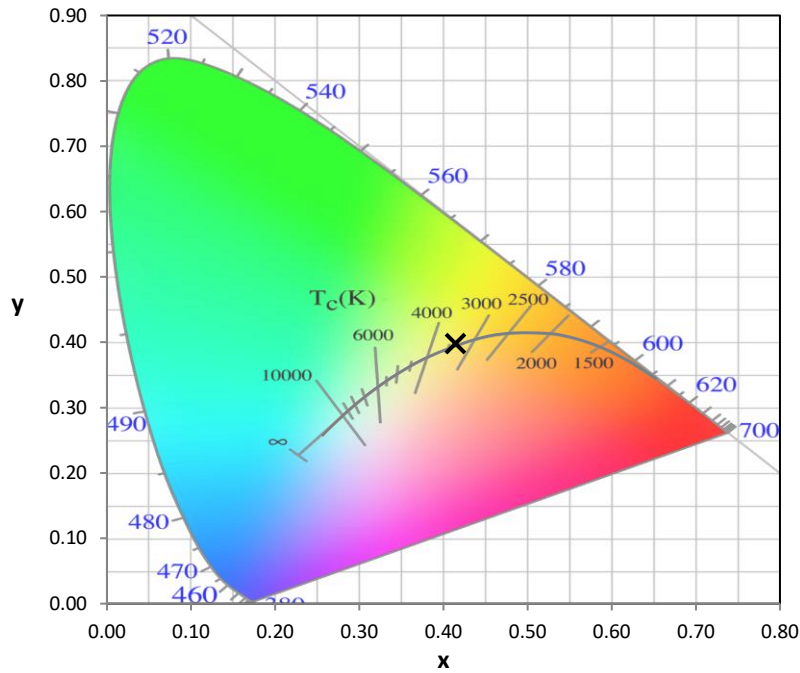
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

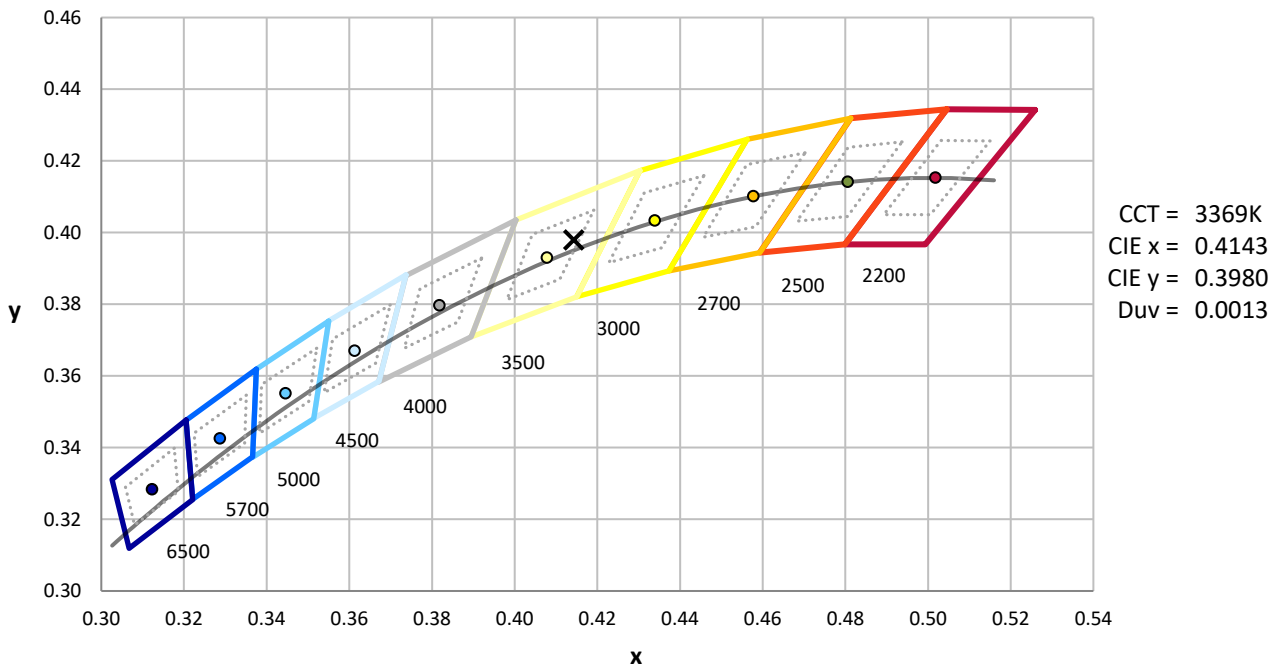
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-5

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



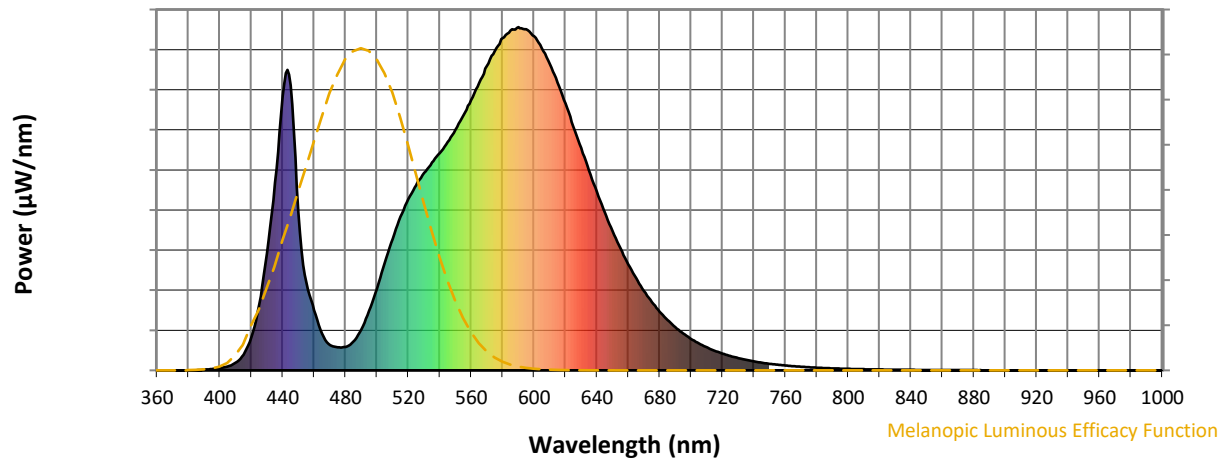
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

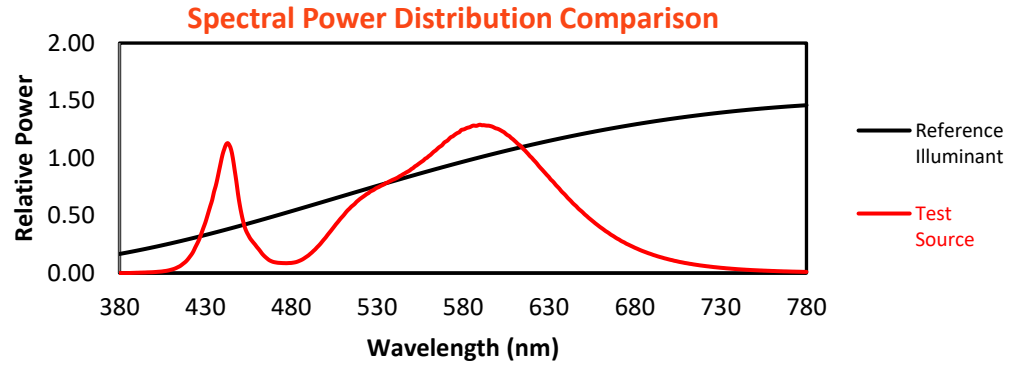
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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

REPORT NUMBER: SP1-2407-184-5

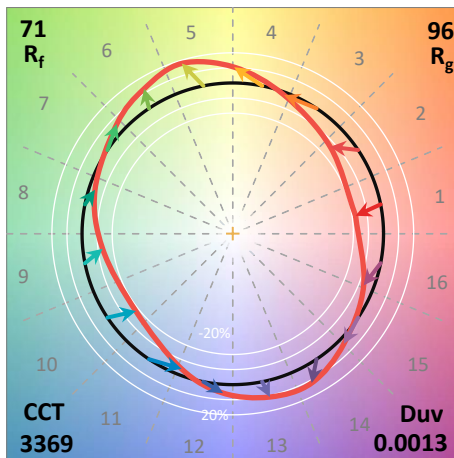
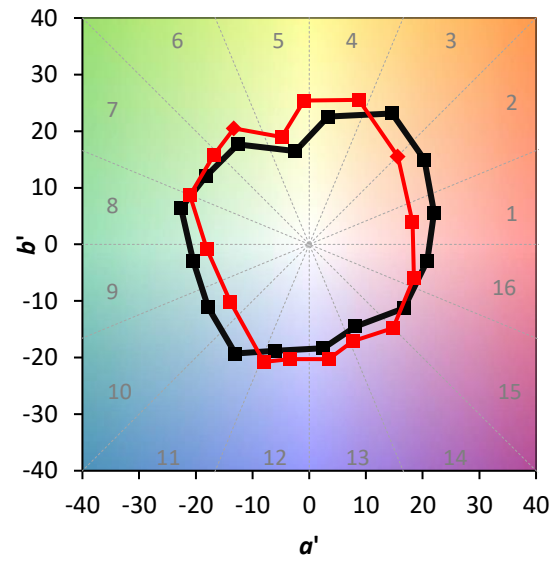
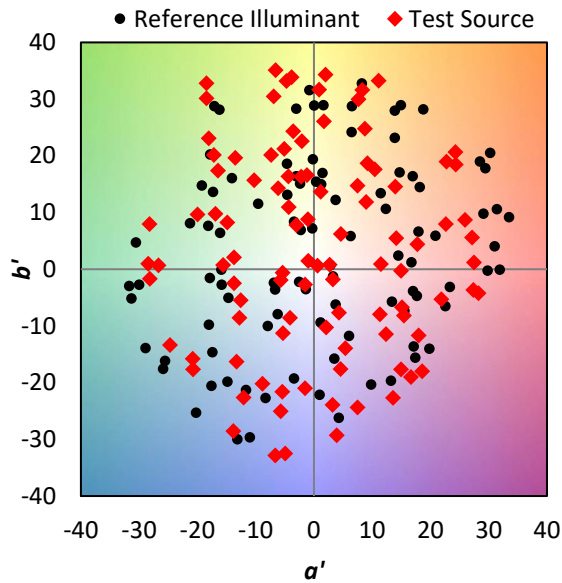
TM-30-18

Summary

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



Color Vector Graphics



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

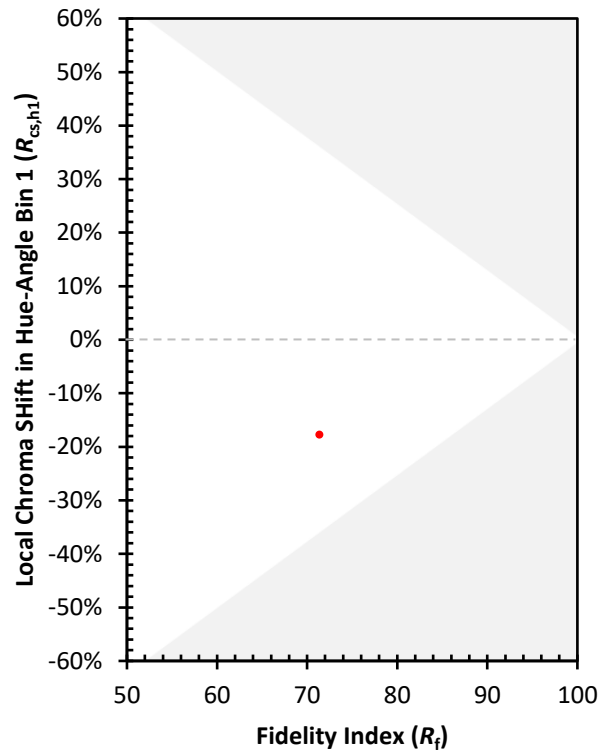
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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