

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: P1067486

Luminaire Tested: **NAV-SA1B-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067486
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4298.2 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 37.9
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

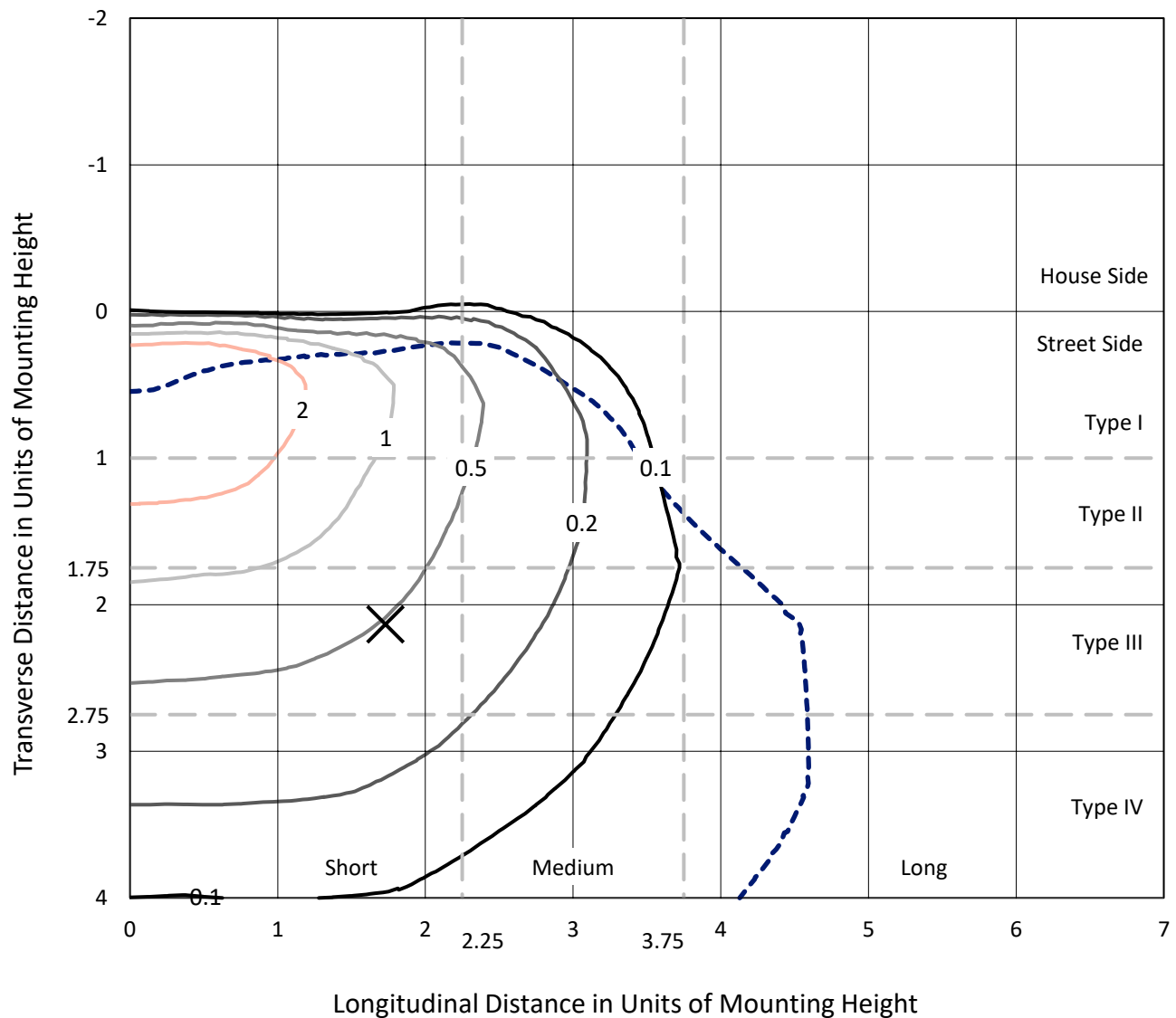


REPORT NUMBER: P1067486

CATALOG NUMBER: NAV-SA1B-735-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

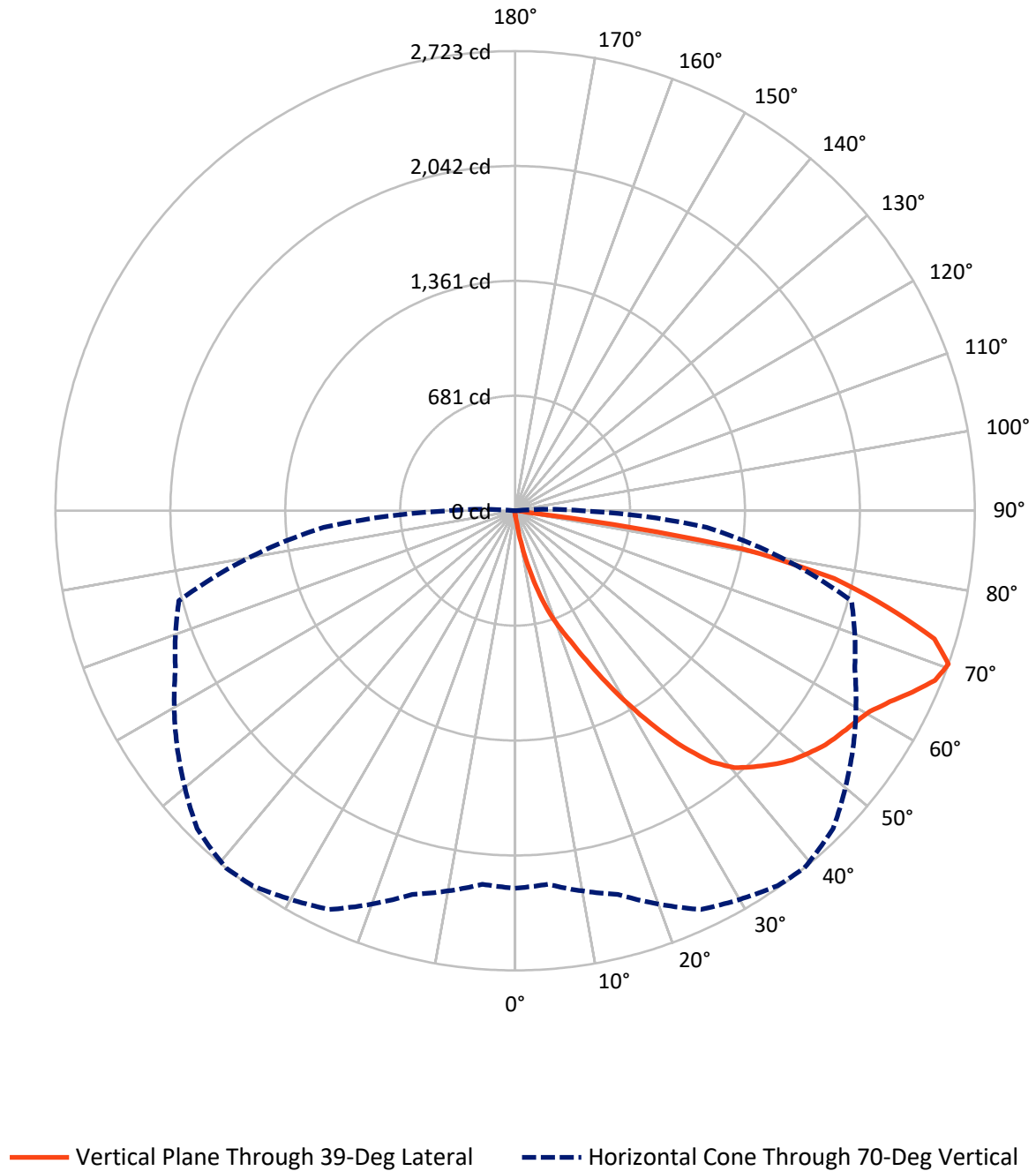


Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067486

CATALOG NUMBER: NAV-SA1B-735-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067486

CATALOG NUMBER: NAV-SA1B-735-U-T4BC

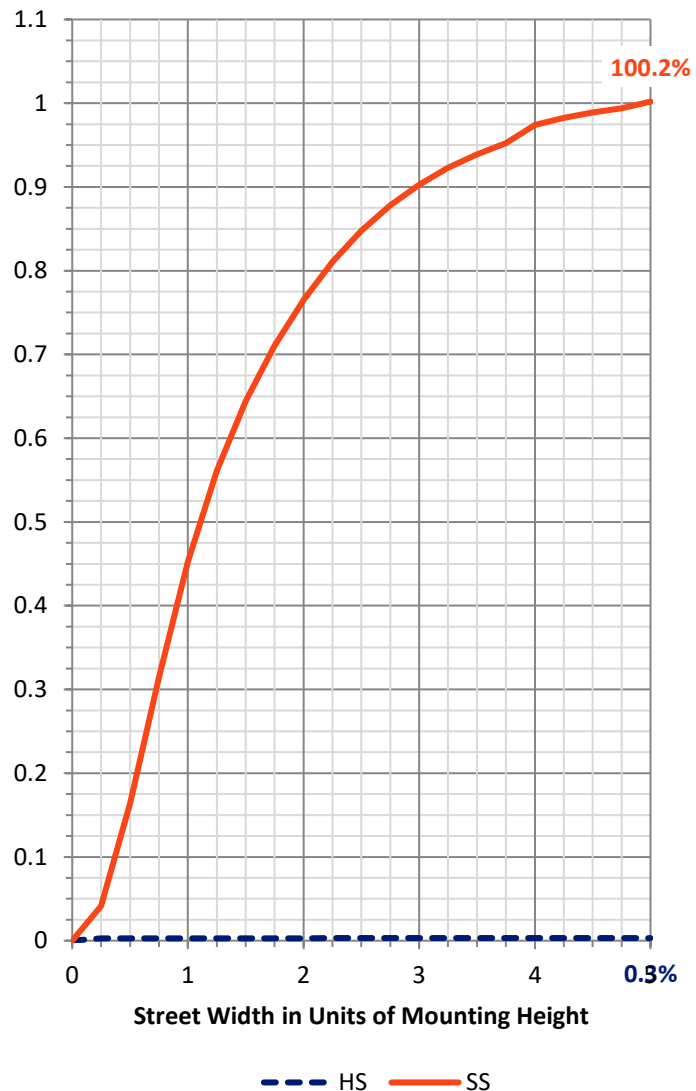
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13.2	0.0	13.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	4284.9	0.0	4284.9
	% Fixture	99.7	0.0	99.7
Total	Lumens	4298.2	0.0	4298.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	52.8	1.2
20°-30°	179.3	4.2
30°-40°	421.4	9.8
40°-50°	684.3	15.9
50°-60°	867.1	20.2
60°-70°	1101.5	25.6
70°-80°	895.0	20.8
80°-90°	92.2	2.1
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°	4298.2	100.0
0°-180°	4298.2	100.0



REPORT NUMBER: P1067486

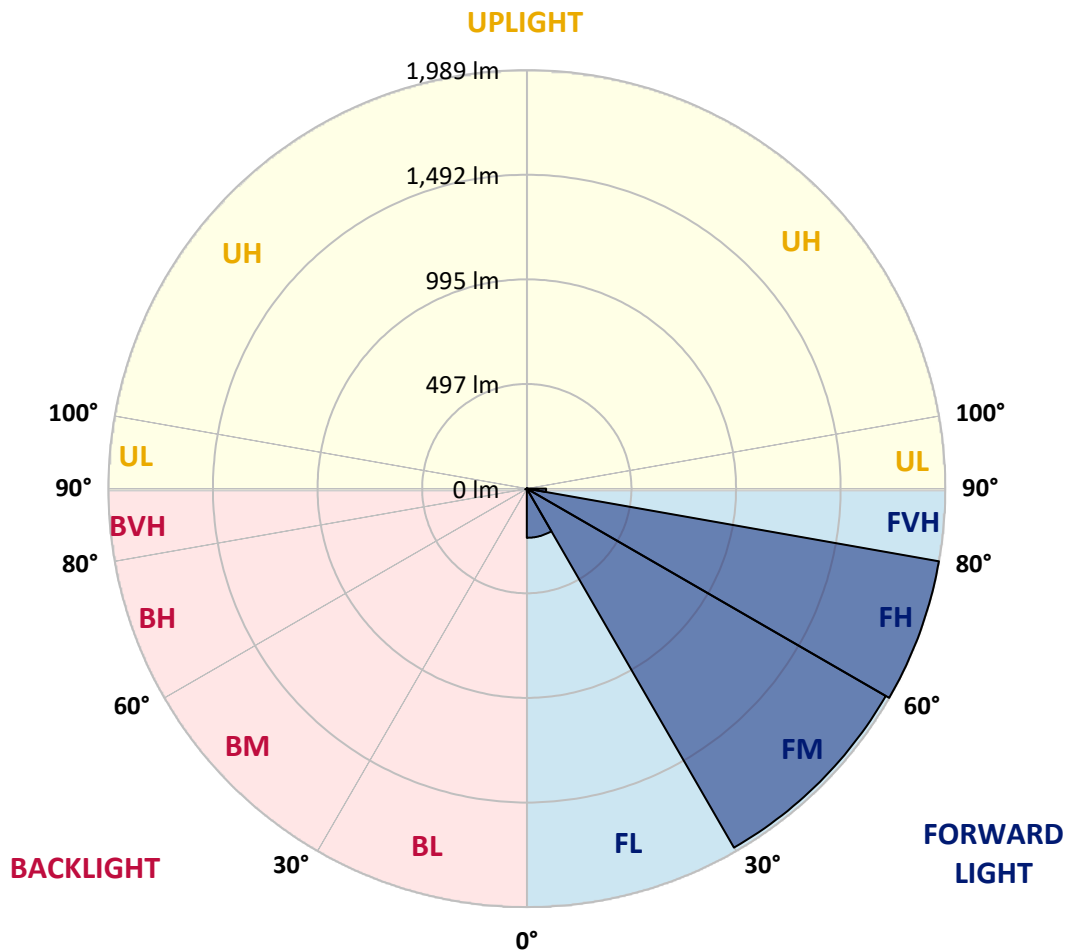
CATALOG NUMBER: NAV-SA1B-735-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.8	5.4			
FM	(30°-60°)	1970.3	45.8			
FH	(60°-80°)	1989.2	46.3			G2/5000
FVH	(80°-90°)	91.6	2.1			G1/100
BL	(0°-30°)	2.9	0.1	B0/110		
BM	(30°-60°)	2.5	0.1	B0/220		
BH	(60°-80°)	7.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G2

Type IV Short



REPORT NUMBER: P1067486

CATALOG NUMBER: NAV-SA1B-735-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
2.5°	30.3	30.3	30.3	29.2	29.2	28.0	28.0	26.8	25.7	25.7	24.5
5°	57.2	58.3	54.8	47.8	43.2	40.8	38.5	32.7	29.2	26.8	24.5
7.5°	156.4	151.7	144.7	121.4	93.4	79.4	67.7	47.8	35.0	28.0	24.5
10°	329.1	316.2	296.4	264.9	210.0	187.9	145.9	87.5	49.0	31.5	24.5
12.5°	483.1	485.4	460.9	430.6	364.1	326.7	269.6	164.5	77.0	37.3	24.5
15°	599.8	597.5	588.1	563.6	504.1	467.9	416.6	276.6	129.5	46.7	25.7
17.5°	692.0	682.7	679.2	668.7	630.1	610.3	554.3	407.3	205.4	63.0	26.8
20°	784.2	781.8	778.3	766.7	741.0	727.0	683.8	539.1	305.7	89.9	29.2
22.5°	918.4	905.5	907.9	882.2	861.2	836.7	801.7	679.2	421.3	128.4	32.7
25°	1075.9	1074.7	1056.1	1044.4	1009.4	982.6	935.9	814.5	549.6	185.5	36.2
27.5°	1261.5	1248.6	1240.4	1220.6	1184.4	1154.1	1089.9	948.7	688.5	249.7	40.8
30°	1455.2	1455.2	1440.0	1409.7	1374.6	1337.3	1272.0	1089.9	826.2	331.4	46.7
32.5°	1681.5	1686.2	1648.9	1603.4	1557.9	1532.2	1447.0	1249.8	958.1	424.8	53.7
35°	1900.9	1895.1	1833.3	1783.1	1749.2	1721.2	1648.9	1424.8	1107.4	533.3	63.0
37.5°	2111.0	2095.8	1993.1	1921.9	1906.8	1888.1	1815.7	1599.9	1255.6	653.5	74.7
40°	2261.5	2238.2	2132.0	2034.0	2011.8	2001.3	1945.3	1758.6	1412.0	787.7	89.9
42.5°	2326.9	2300.0	2226.5	2147.2	2098.1	2073.6	2024.6	1888.1	1568.4	937.0	112.0
45°	2339.7	2318.7	2266.2	2247.5	2181.0	2143.7	2077.1	1980.3	1714.2	1085.2	142.4
47.5°	2293.0	2283.7	2252.2	2291.9	2258.0	2206.7	2126.2	2049.1	1843.8	1265.0	184.4
50°	2178.7	2171.7	2186.8	2290.7	2314.0	2255.7	2179.8	2102.8	1955.8	1450.5	243.9
52.5°	2024.6	2023.5	2094.6	2260.3	2338.5	2302.4	2232.3	2156.5	2044.5	1630.2	327.9
55°	1856.6	1876.4	2001.3	2232.3	2352.5	2336.2	2283.7	2204.3	2123.8	1797.1	463.3
57.5°	1842.6	1834.4	1954.6	2220.7	2360.7	2370.0	2335.0	2254.5	2191.5	1933.6	644.1
60°	1982.6	1963.9	2009.5	2245.2	2396.9	2413.2	2386.4	2293.0	2259.2	2041.0	882.2
62.5°	2144.8	2127.3	2150.7	2339.7	2468.1	2491.4	2457.6	2332.7	2314.0	2115.6	1137.8
65°	2274.4	2260.3	2304.7	2480.9	2567.3	2587.1	2563.8	2406.2	2338.5	2176.3	1345.5
67.5°	2295.4	2277.9	2370.0	2575.4	2667.6	2681.6	2662.9	2477.4	2330.4	2181.0	1393.3
70°	2235.8	2220.7	2352.5	2605.8	2710.8	2722.5	2662.9	2443.6	2219.5	2062.0	1138.9
72.5°	2052.6	2064.3	2234.7	2532.2	2651.3	2597.6	2471.6	2273.2	2076.0	1748.1	799.3
75°	1767.9	1780.7	2007.1	2330.4	2339.7	2274.4	2206.7	2091.1	1857.8	1151.8	554.3
77.5°	1256.8	1211.3	1549.7	1924.3	1890.4	1932.4	1938.3	1739.9	1555.5	599.8	371.1
80°	123.7	105.0	194.9	552.0	1219.4	1363.0	1419.0	1340.8	1147.1	268.4	194.9
82.5°	26.8	26.8	29.2	31.5	49.0	73.5	337.2	826.2	741.0	136.5	63.0
85°	15.2	15.2	18.7	22.2	29.2	32.7	38.5	51.3	199.5	49.0	11.7
87.5°	11.7	12.8	15.2	18.7	24.5	26.8	32.7	40.8	50.2	45.5	3.5
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: P1067486

CATALOG NUMBER: NAV-SA1B-735-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
2.5°	24.5	23.3	22.2	21.0	19.8	19.8	18.7	18.7	18.7	18.7	18.7
5°	23.3	22.2	21.0	18.7	17.5	16.3	15.2	15.2	15.2	15.2	15.2
7.5°	23.3	22.2	19.8	17.5	15.2	14.0	12.8	11.7	11.7	12.8	12.8
10°	23.3	21.0	17.5	15.2	12.8	11.7	10.5	9.3	9.3	9.3	9.3
12.5°	22.2	19.8	16.3	14.0	11.7	9.3	7.0	5.8	5.8	5.8	5.8
15°	21.0	18.7	15.2	11.7	8.2	5.8	4.7	3.5	3.5	3.5	3.5
17.5°	21.0	17.5	14.0	10.5	5.8	3.5	2.3	1.2	1.2	1.2	2.3
20°	21.0	17.5	12.8	8.2	3.5	2.3	2.3	1.2	0.0	1.2	1.2
22.5°	21.0	16.3	10.5	5.8	3.5	2.3	1.2	0.0	0.0	0.0	0.0
25°	22.2	16.3	9.3	4.7	2.3	1.2	0.0	0.0	0.0	0.0	0.0
27.5°	22.2	15.2	8.2	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	23.3	15.2	7.0	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	23.3	14.0	4.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	23.3	12.8	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	23.3	11.7	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	24.5	10.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	25.7	9.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	26.8	8.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	30.3	8.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	35.0	8.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	42.0	8.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	54.8	7.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	79.4	7.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	133.0	7.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	233.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	394.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	514.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	390.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	186.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	82.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	36.2	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	14.0	2.3	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	5.8	2.3	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
85°	3.5	2.3	2.3	2.3	1.2	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	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

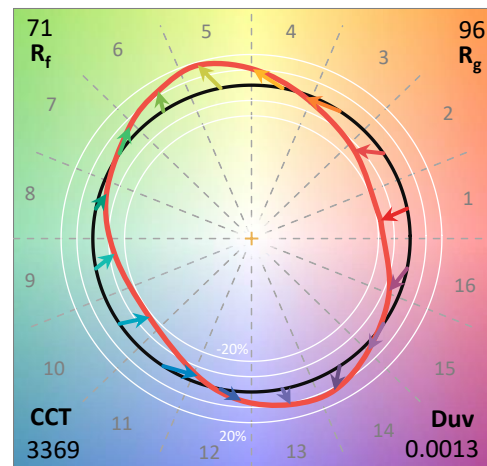
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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

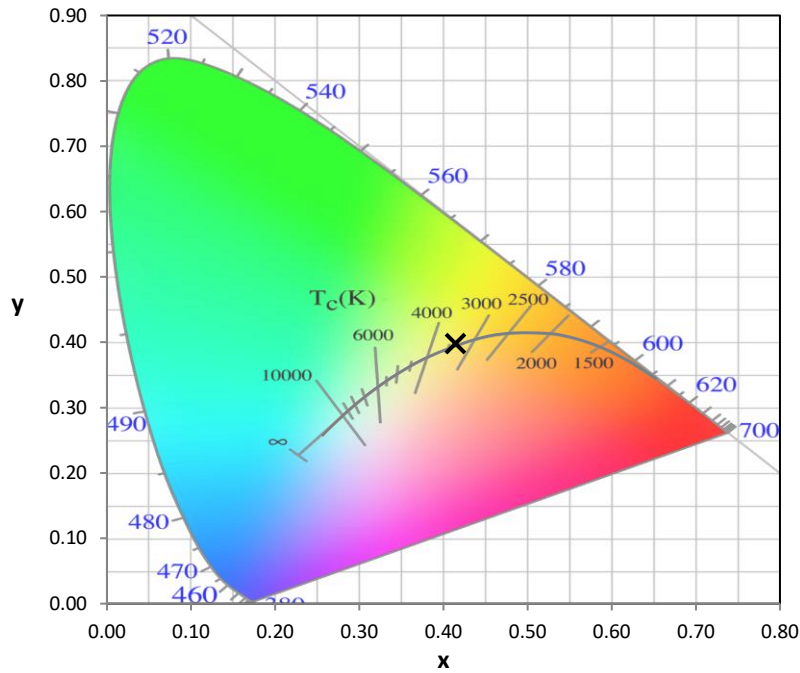
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

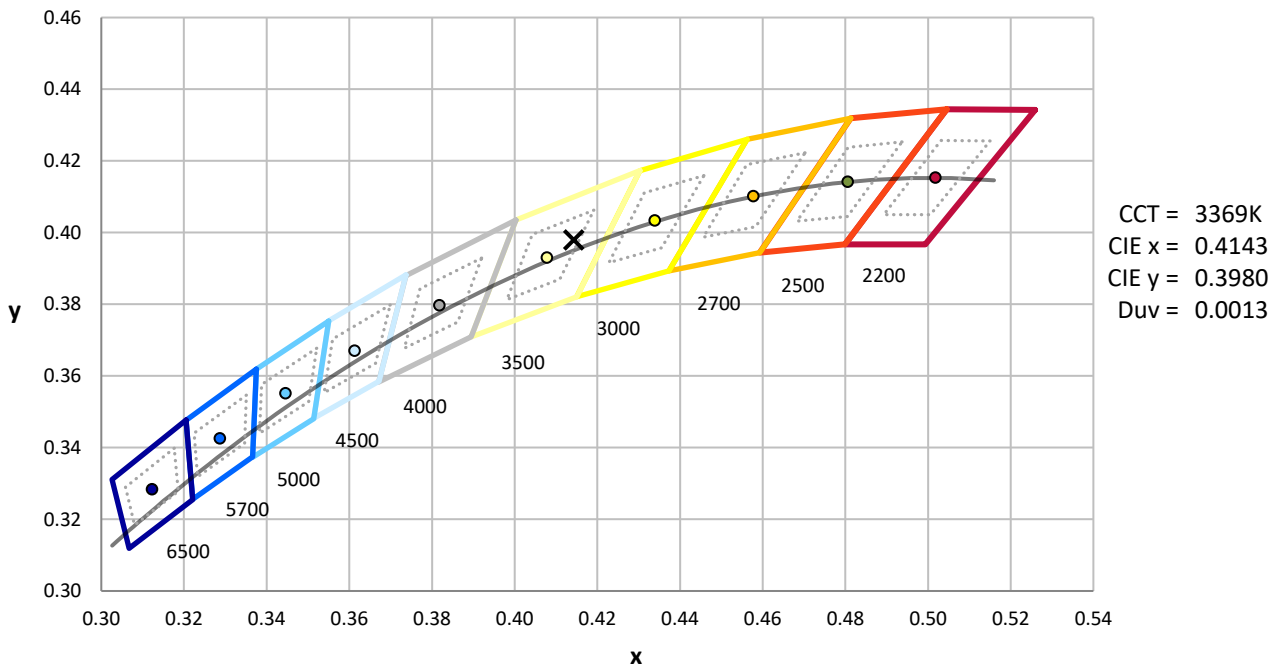
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



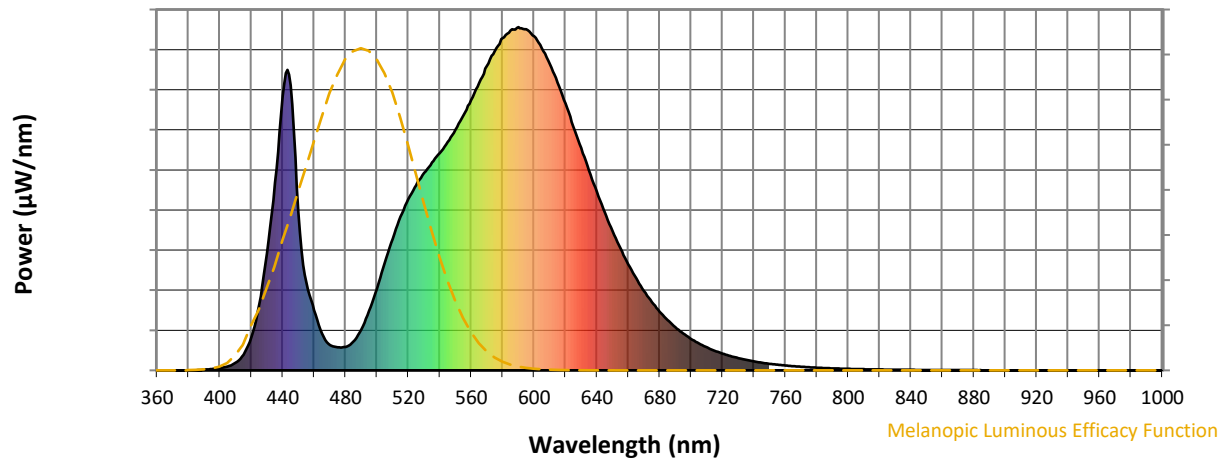
Scotopic Lumens: NR

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

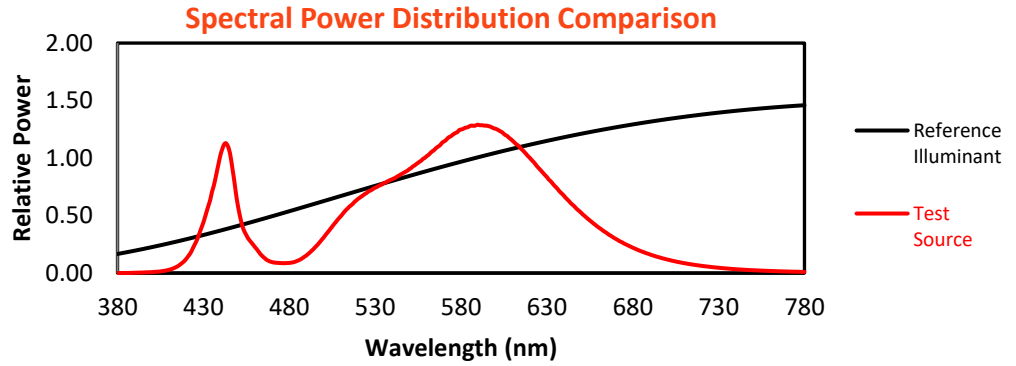
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630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

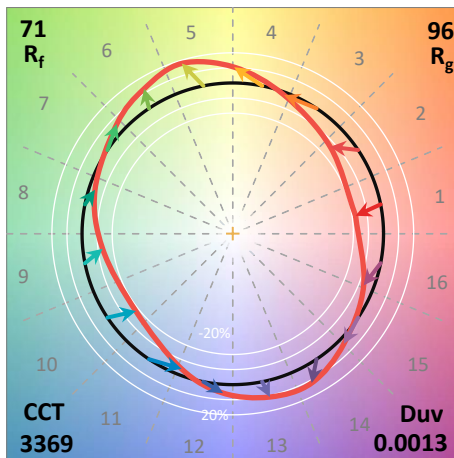
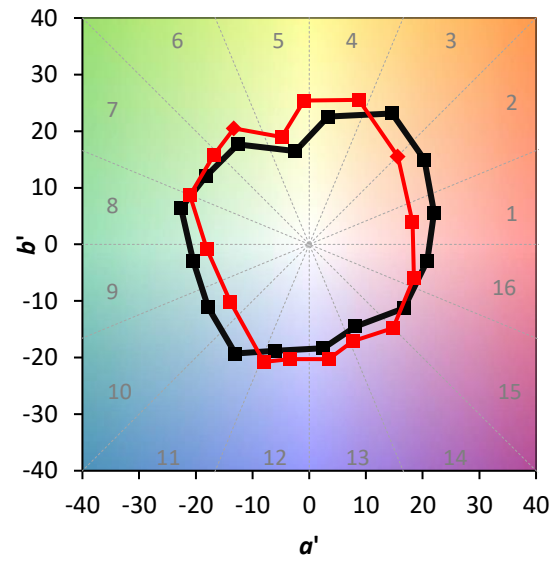
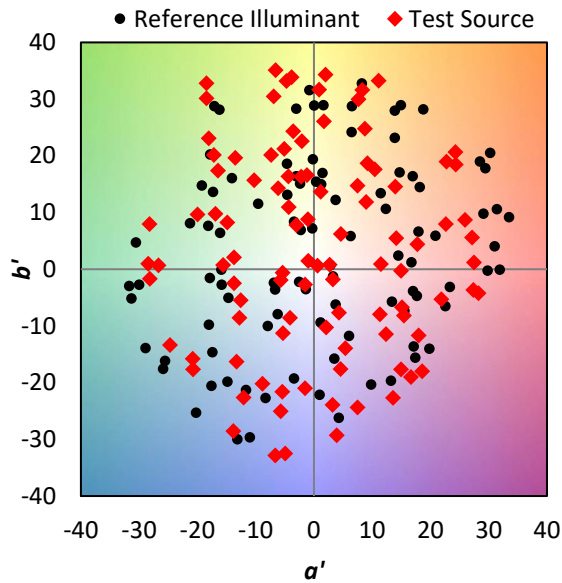
TM-30-18

Summary

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



Color Vector Graphics



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

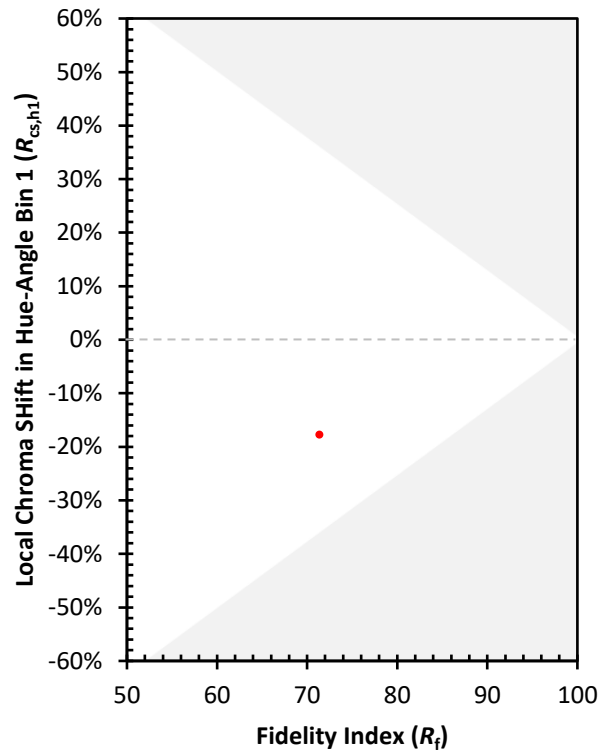
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82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