

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: P1066919

Luminaire Tested: **NAV-SA3C-740-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066919
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3C-740-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17312 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 140.4
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

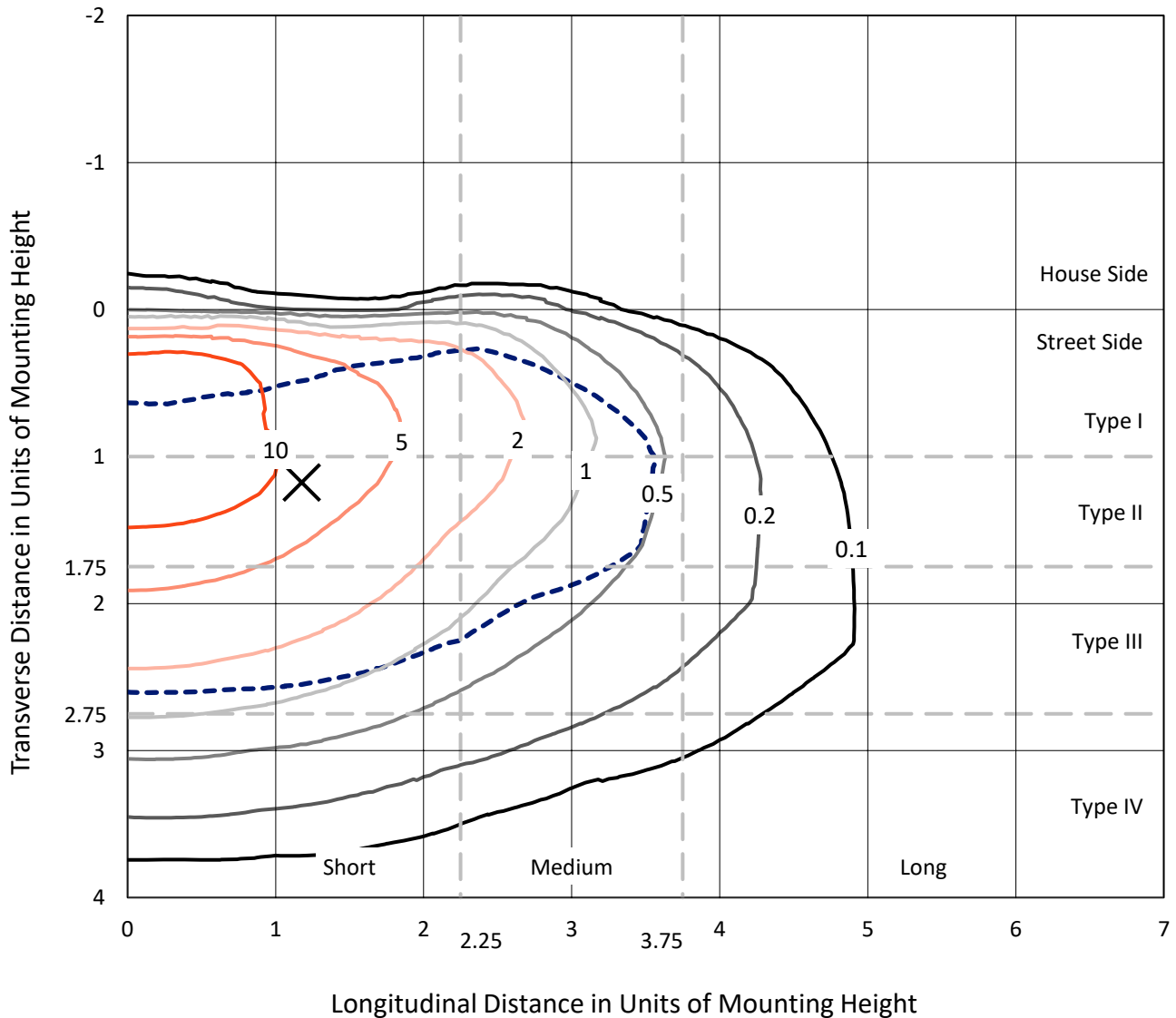


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

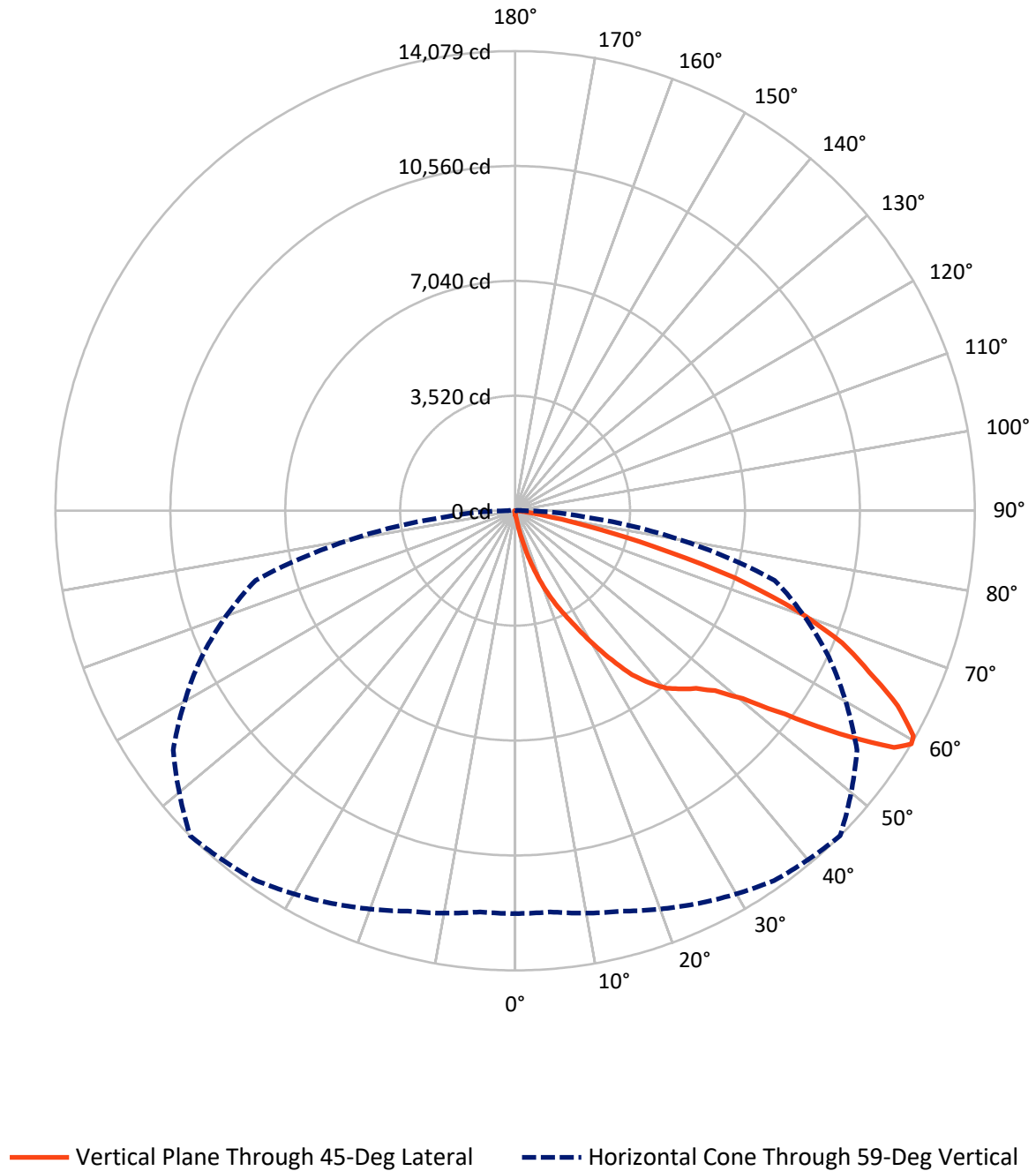


Based on 15 foot mounting height. Maximum calculated value = 18.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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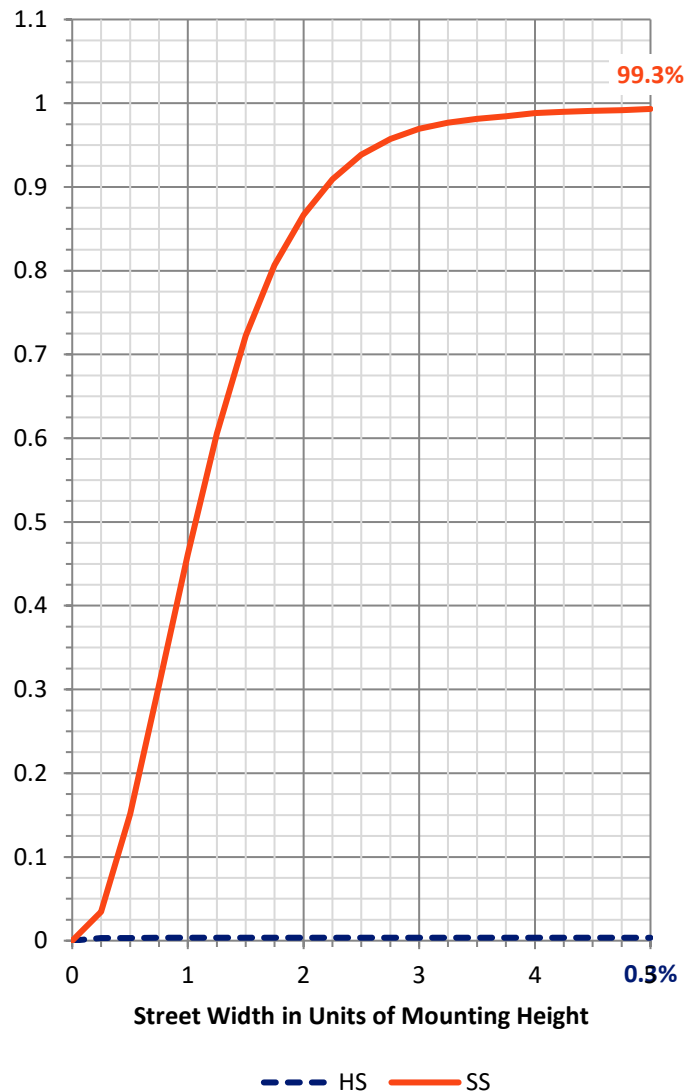
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	61.5	0.0	61.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17250.6	0.0	17250.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	17312.0	0.0	17312.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.1
10°-20°	191.3	1.1
20°-30°	687.5	4.0
30°-40°	1597.6	9.2
40°-50°	2723.1	15.7
50°-60°	4486.9	25.9
60°-70°	5187.9	30.0
70°-80°	2228.9	12.9
80°-90°	192.6	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°	17312.0	100.0
0°-180°	17312.0	100.0



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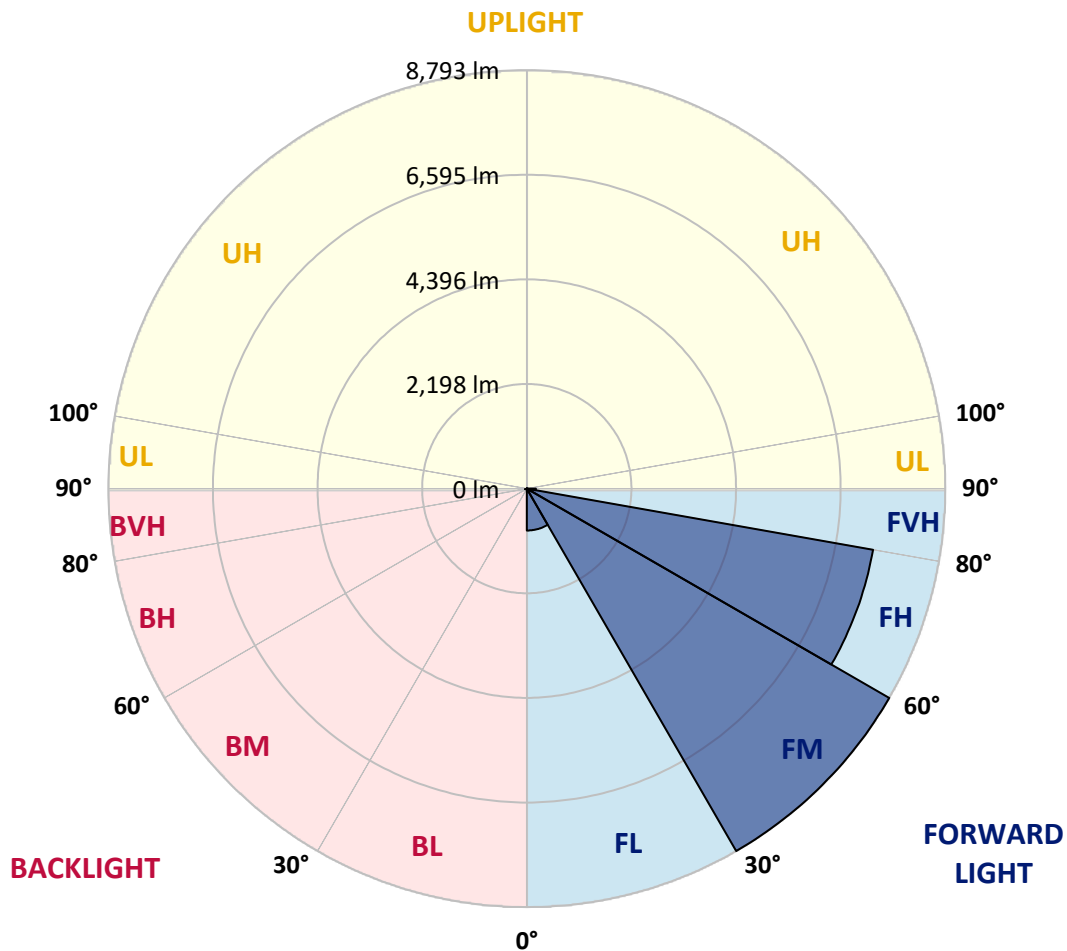
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	879.8	5.1			
FM	(30°-60°)	8792.8	50.8			
FH	(60°-80°)	7387.9	42.7			G3/7500
FVH	(80°-90°)	190.1	1.1			G2/225
BL	(0°-30°)	15.2	0.1	B0/110		
BM	(30°-60°)	14.9	0.1	B0/220		
BH	(60°-80°)	28.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4
2.5°	142.0	142.0	138.5	133.9	132.7	129.2	129.2	125.7	121.1	117.6	112.9
5°	206.0	204.9	195.6	183.9	168.8	159.5	159.5	146.7	135.0	124.6	115.2
7.5°	450.5	440.0	406.3	350.4	277.0	228.2	224.7	182.8	154.8	133.9	116.4
10°	1033.7	997.6	949.9	816.0	603.0	421.4	413.2	266.6	185.1	144.3	118.7
12.5°	1693.7	1722.8	1627.4	1416.7	1167.6	868.4	810.2	449.3	244.5	158.3	121.1
15°	2294.4	2287.4	2233.8	2061.6	1774.0	1375.9	1339.8	781.1	350.4	180.4	123.4
17.5°	2743.7	2735.6	2684.3	2573.8	2352.6	1954.5	1923.0	1245.6	549.4	211.9	125.7
20°	3217.5	3207.0	3134.8	3046.4	2853.1	2514.4	2477.1	1764.7	860.2	263.1	125.7
22.5°	3785.5	3765.8	3688.9	3538.8	3335.1	3040.5	3006.8	2295.5	1245.6	346.9	131.5
25°	4472.3	4438.6	4332.7	4197.6	3952.0	3560.9	3524.8	2886.9	1710.0	473.8	137.4
27.5°	5255.8	5261.6	5118.4	4890.2	4560.8	4161.5	4094.0	3416.5	2190.8	655.4	144.3
30°	6185.9	6127.6	5926.3	5660.9	5340.7	4832.0	4766.9	3943.9	2730.9	923.1	156.0
32.5°	7056.6	6993.7	6722.5	6388.4	6045.0	5508.4	5454.8	4536.4	3222.1	1239.7	176.9
35°	7803.9	7759.7	7380.2	6972.8	6667.8	6188.2	6171.9	5197.6	3799.5	1580.8	200.2
37.5°	8461.6	8381.3	7893.5	7471.0	7161.3	6731.8	6696.9	5802.9	4355.9	1976.6	235.1
40°	9022.7	8978.4	8383.6	7828.3	7576.9	7192.8	7148.5	6333.7	4931.0	2436.4	278.2
42.5°	9623.3	9565.1	8987.8	8365.0	7901.7	7490.8	7461.7	6771.4	5443.2	2941.6	342.2
45°	10302.0	10193.7	9687.4	9128.6	8424.4	7799.2	7766.7	7161.3	5968.2	3484.1	420.2
47.5°	11027.2	10932.9	10523.2	10130.9	9320.7	8307.9	8238.1	7493.1	6489.7	4110.3	519.2
50°	11765.2	11767.6	11460.2	11271.7	10416.1	9134.4	9035.5	7980.8	7037.9	4780.8	665.8
52.5°	12624.3	12646.4	12641.8	12502.1	11838.6	10485.9	10353.2	8721.2	7674.7	5563.1	868.4
55°	12984.0	13023.6	13280.8	13590.5	13410.0	12199.4	12057.4	9998.2	8518.6	6435.0	1168.7
57.5°	12689.5	12733.7	13088.8	13631.2	14045.6	13699.9	13683.6	11660.5	9630.3	7491.9	1660.0
59°	12339.1	12333.3	12697.6	13272.7	13831.4	14056.1	14079.4	12784.9	10598.8	8233.4	2083.7
60°	12106.3	12110.9	12353.1	12943.3	13536.9	13926.9	14017.7	13447.3	11164.6	8766.6	2446.9
62.5°	11207.6	11261.2	11453.3	12001.5	12564.9	13000.3	13155.1	14037.5	12783.8	10026.1	3709.9
65°	10231.0	10234.5	10508.0	10977.1	11517.3	11823.4	11921.2	13119.0	13865.2	11308.9	5366.3
67.5°	8488.4	8559.4	8870.2	9630.3	10343.9	10731.5	10806.0	11419.5	13417.0	12144.7	6196.3
70°	5940.2	6033.4	6476.9	7462.8	8525.6	9162.4	9157.7	9493.0	11808.3	11772.2	5253.4
72.5°	2966.0	3126.7	3488.7	4544.5	5832.0	6831.9	7042.6	7636.3	9486.0	9778.2	3919.4
75°	1310.7	1320.1	1526.1	2058.1	2898.5	4168.5	4357.1	6061.3	7277.7	6795.8	2831.0
77.5°	762.5	769.4	806.7	924.3	1174.5	2042.9	2254.8	3975.3	5142.8	3949.7	1846.2
80°	277.0	284.0	282.9	350.4	514.5	804.4	896.3	1926.5	3430.5	2080.2	967.3
82.5°	170.0	170.0	164.1	165.3	187.4	308.5	337.6	820.7	1670.4	1024.4	277.0
85°	83.8	88.5	94.3	105.9	125.7	152.5	161.8	235.1	562.2	247.9	66.4
87.5°	50.1	51.2	55.9	67.5	83.8	109.4	116.4	159.5	201.4	166.5	16.3
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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CATALOG NUMBER: NAV-SA3C-740-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4	109.4
2.5°	110.6	109.4	103.6	98.9	94.3	89.6	86.1	82.6	82.6	83.8	82.6
5°	110.6	105.9	96.6	88.5	81.5	75.7	69.8	65.2	64.0	64.0	65.2
7.5°	109.4	103.6	90.8	80.3	71.0	62.9	57.0	51.2	50.1	51.2	50.1
10°	108.3	101.3	86.1	73.3	60.5	52.4	44.2	38.4	38.4	38.4	39.6
12.5°	108.3	97.8	81.5	66.4	52.4	43.1	34.9	29.1	27.9	27.9	27.9
15°	107.1	95.5	76.8	58.2	44.2	32.6	25.6	19.8	19.8	19.8	19.8
17.5°	104.8	92.0	71.0	51.2	34.9	24.4	17.5	11.6	11.6	14.0	14.0
20°	102.4	88.5	64.0	41.9	29.1	18.6	11.6	7.0	7.0	10.5	11.6
22.5°	103.6	88.5	59.4	37.3	23.3	14.0	9.3	5.8	4.7	8.1	10.5
25°	104.8	86.1	53.5	32.6	17.5	10.5	7.0	2.3	1.2	2.3	3.5
27.5°	104.8	83.8	46.6	25.6	12.8	8.1	3.5	0.0	0.0	0.0	0.0
30°	103.6	80.3	40.7	21.0	9.3	4.7	1.2	0.0	0.0	0.0	0.0
32.5°	102.4	76.8	37.3	16.3	8.1	2.3	0.0	0.0	0.0	0.0	0.0
35°	103.6	72.2	32.6	12.8	4.7	0.0	0.0	0.0	0.0	0.0	2.3
37.5°	107.1	67.5	27.9	10.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	111.8	64.0	23.3	8.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	121.1	64.0	21.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	132.7	64.0	17.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	147.8	65.2	15.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	166.5	67.5	14.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	180.4	65.2	12.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	204.9	62.9	11.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	237.5	59.4	11.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	270.1	54.7	11.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	307.3	52.4	10.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	507.5	46.6	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	980.1	44.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1584.3	44.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1665.8	44.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1108.2	36.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	593.7	32.6	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	320.1	30.3	4.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	140.9	22.1	5.8	3.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	55.9	15.1	7.0	5.8	4.7	2.3	0.0	0.0	0.0	0.0	0.0
85°	26.8	11.6	9.3	8.1	5.8	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	12.8	11.6	10.5	9.3	8.1	5.8	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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

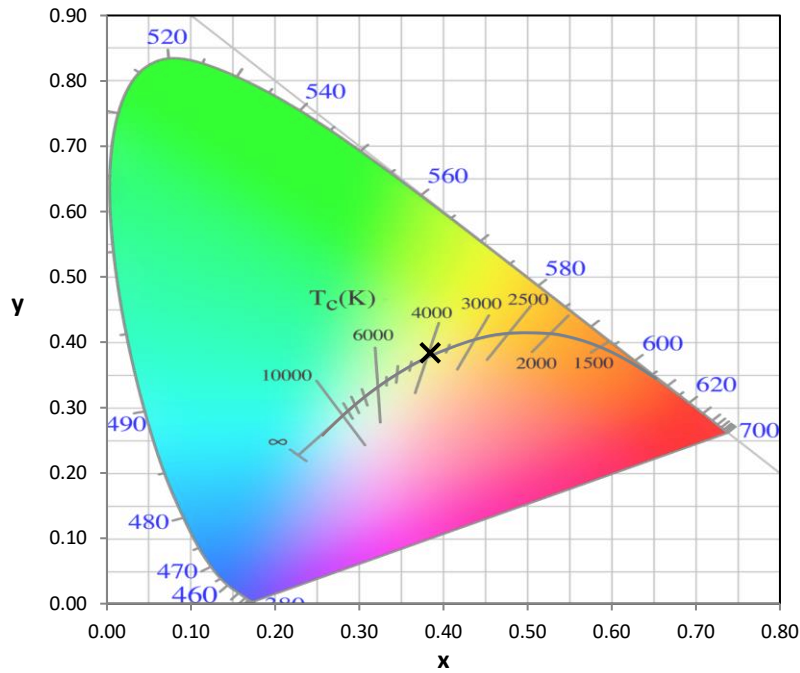
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

REPORT NUMBER: SP1-2407-184-1

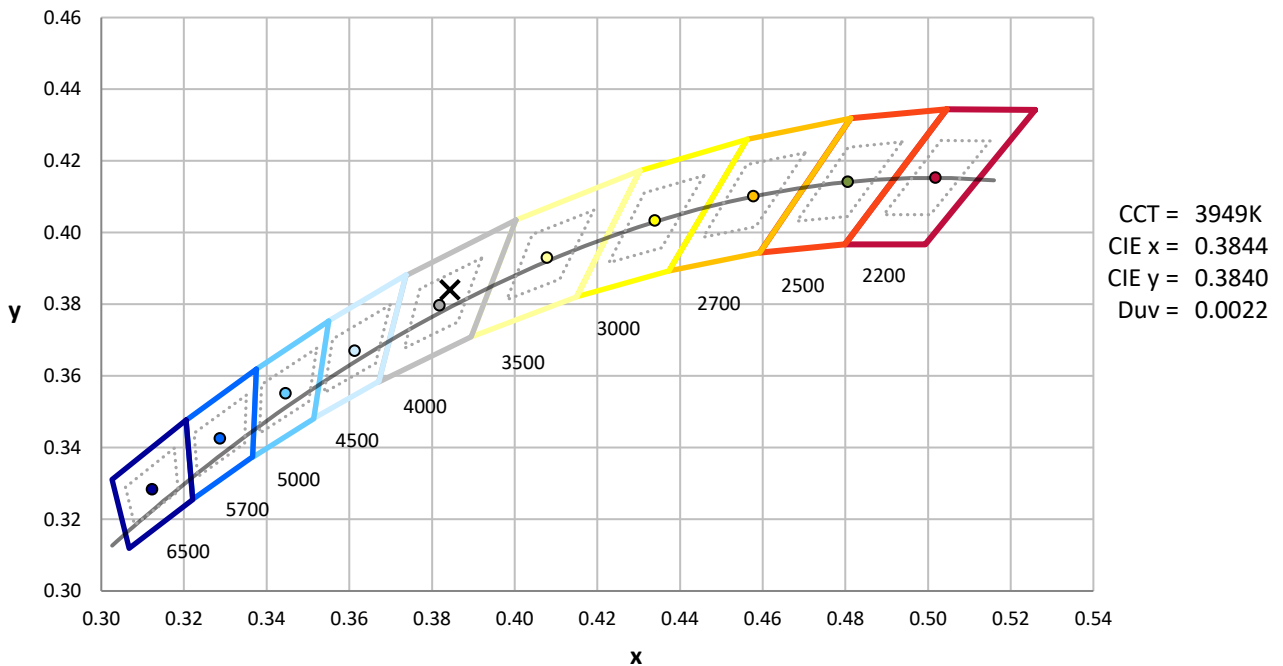
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



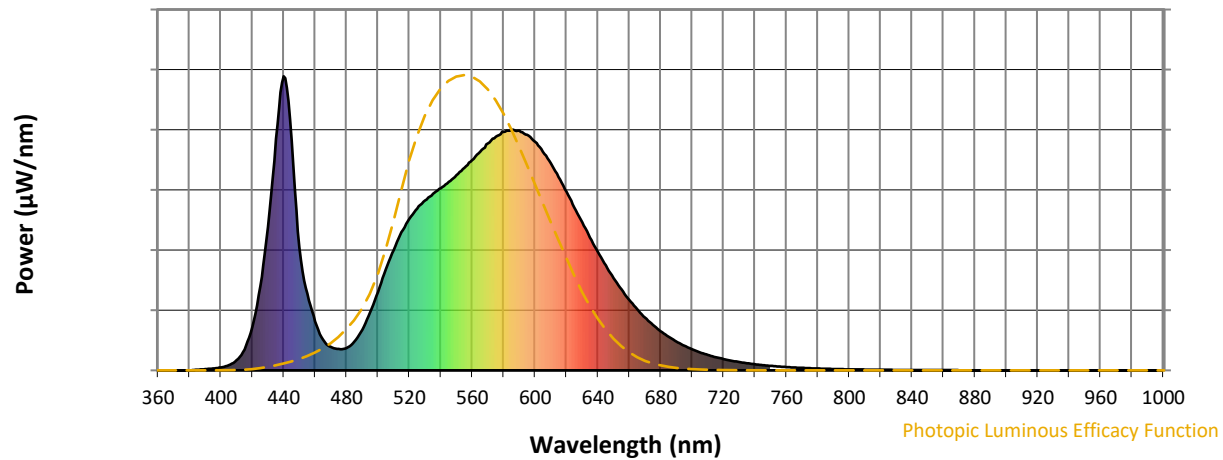
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

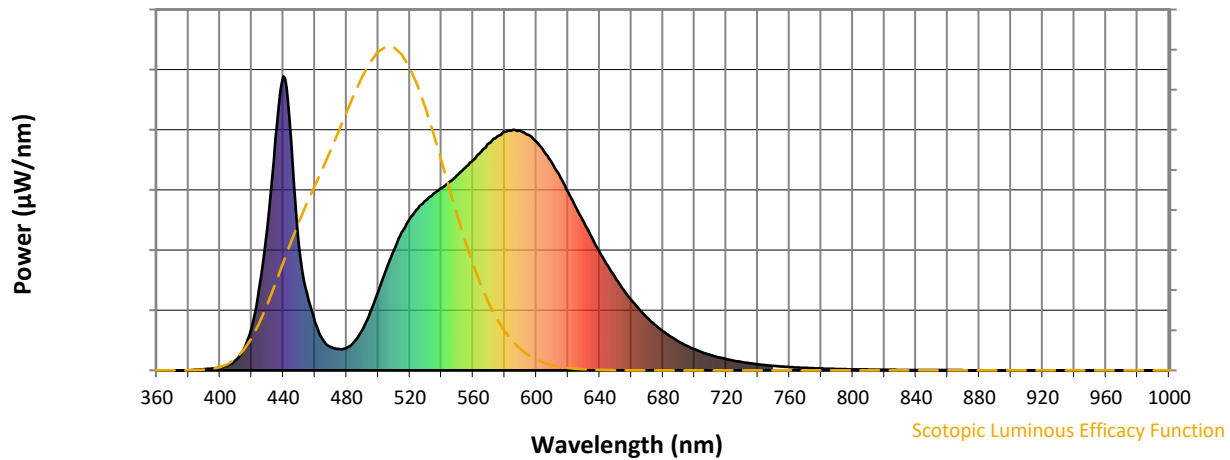


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



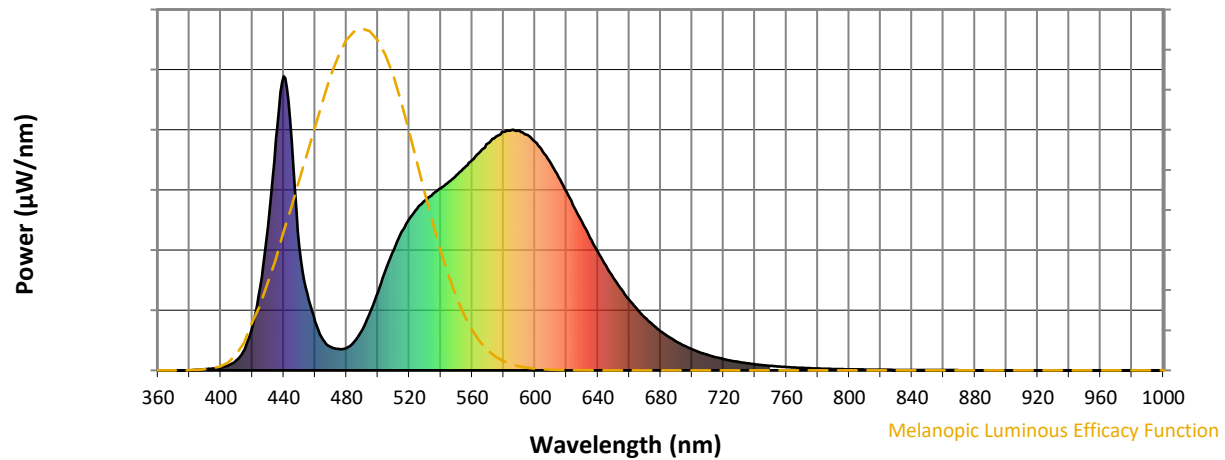
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

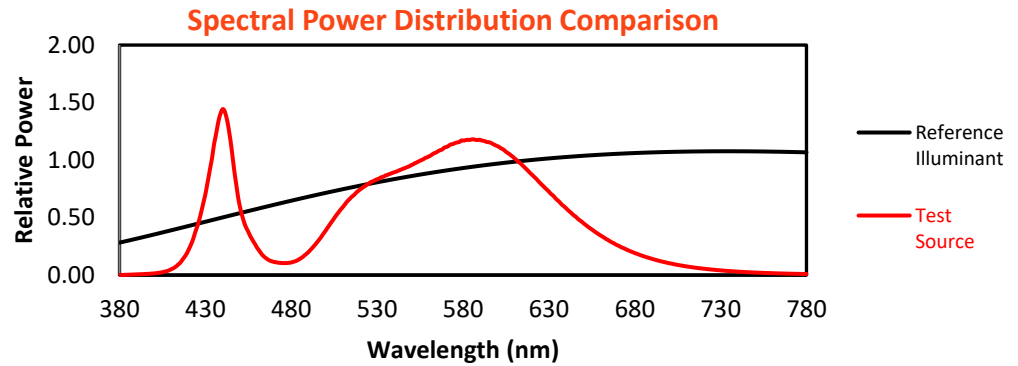
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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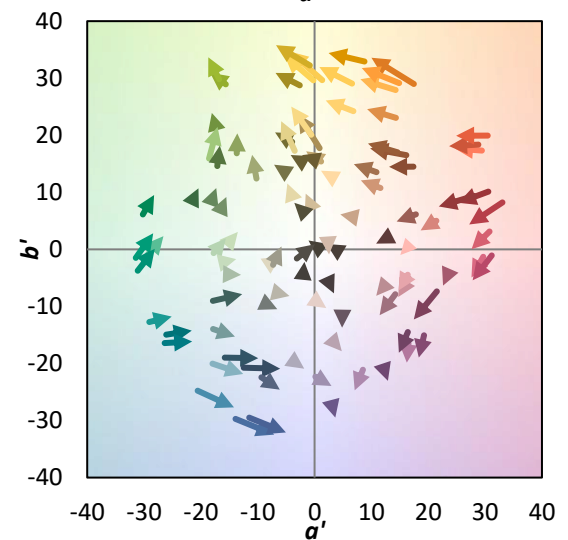
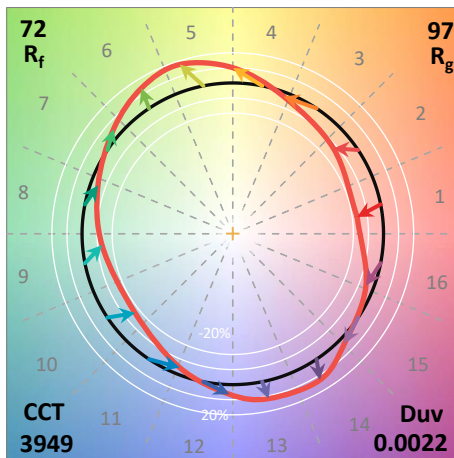
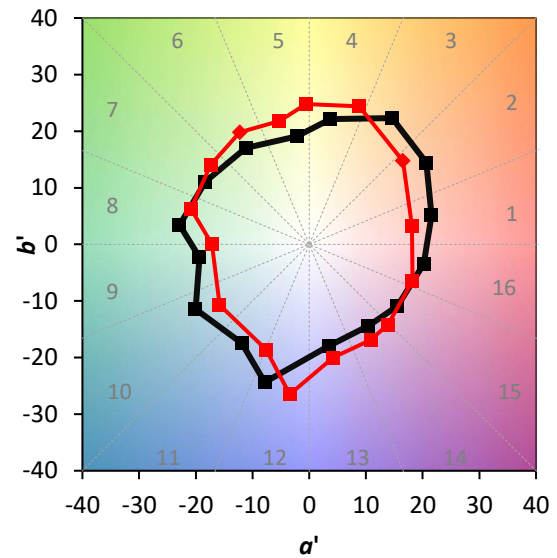
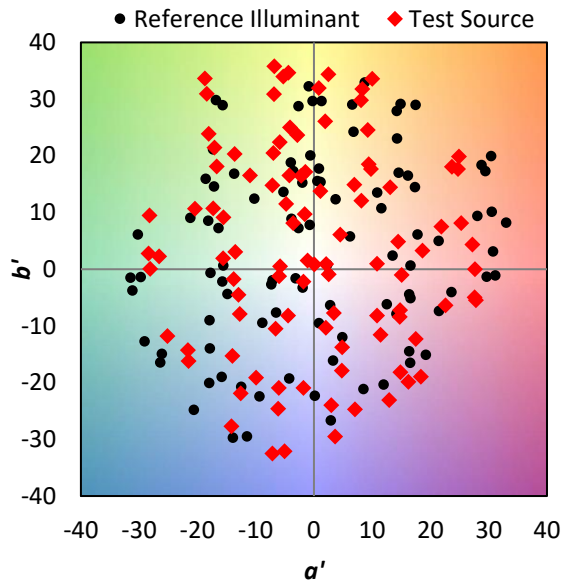
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

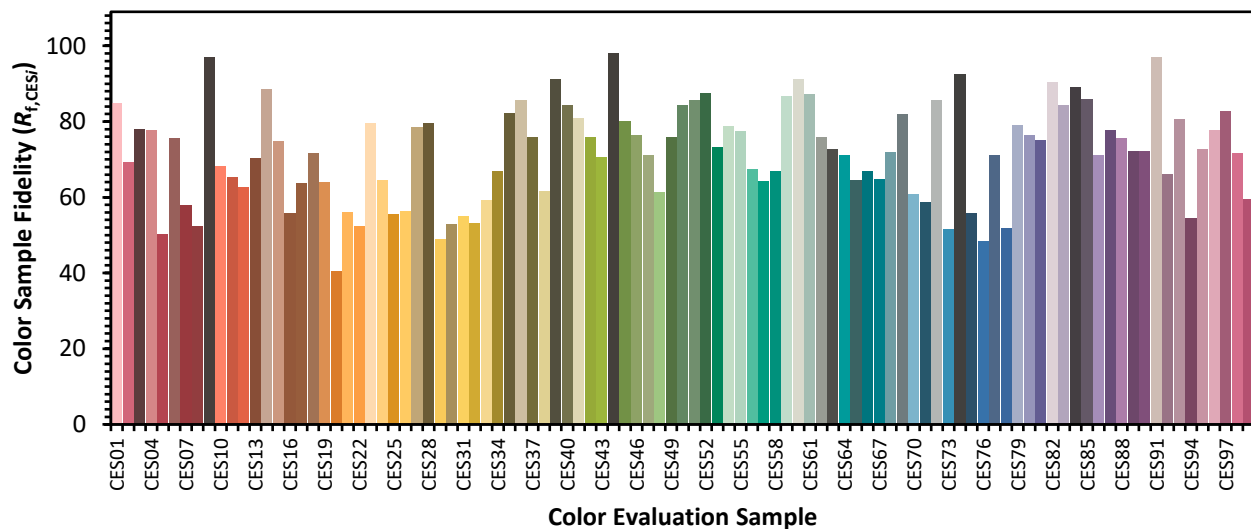


Color Vector Graphics

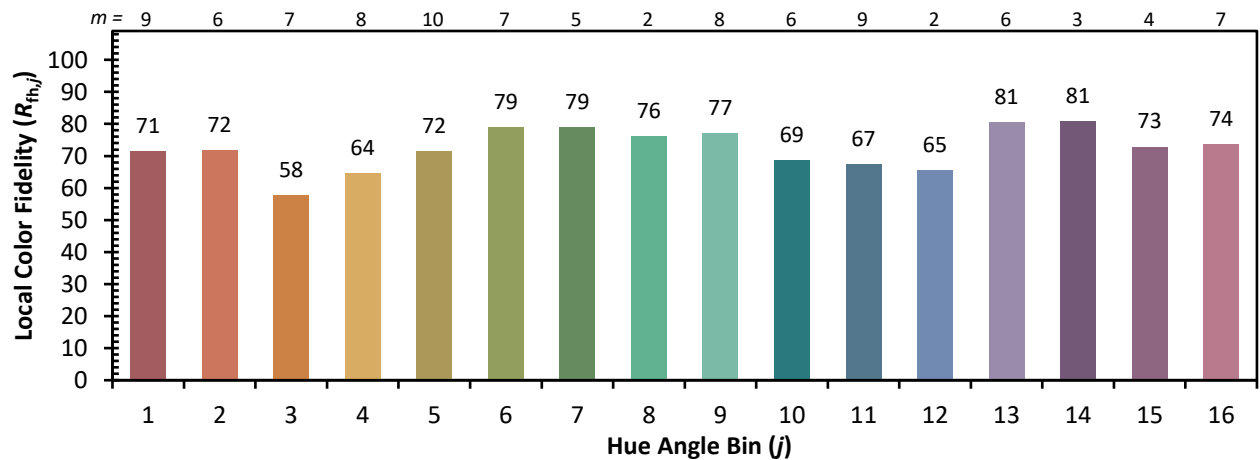
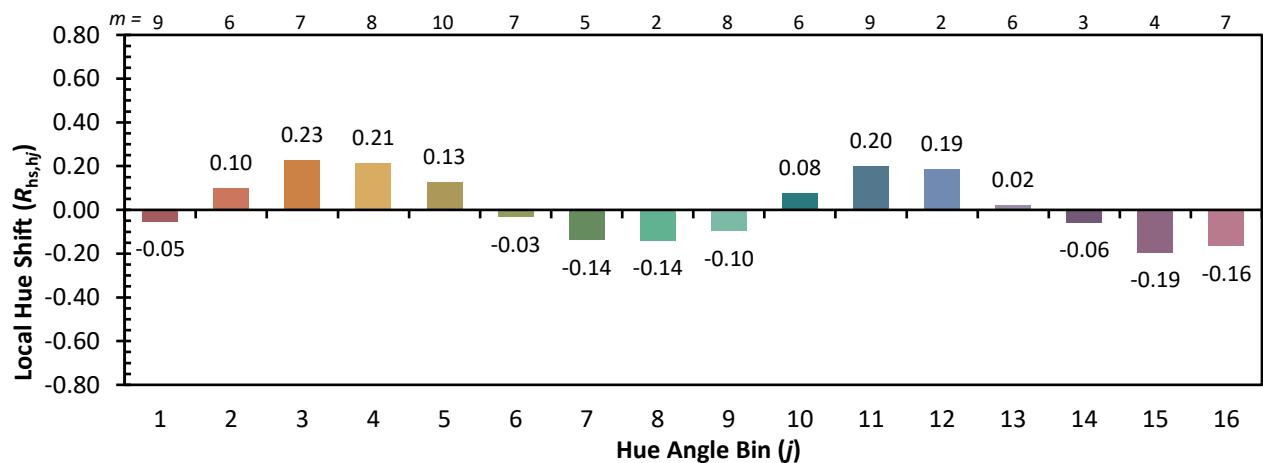
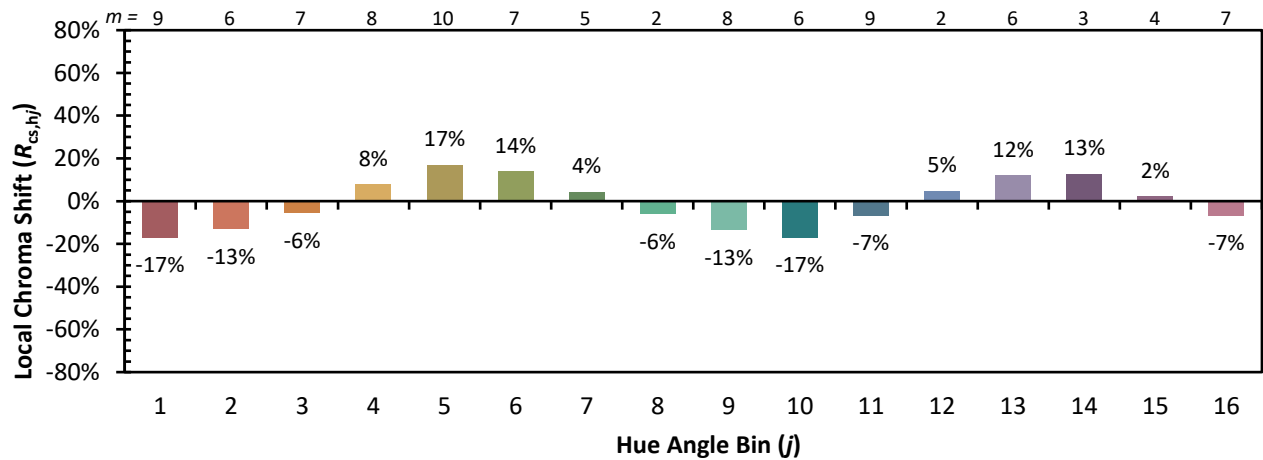


Individual Sample Fidelity Index ($R_{f,i}$)

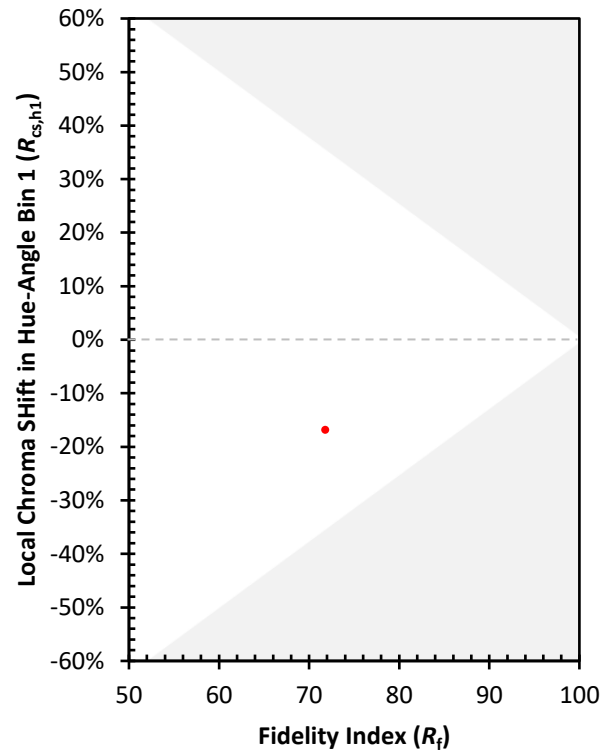
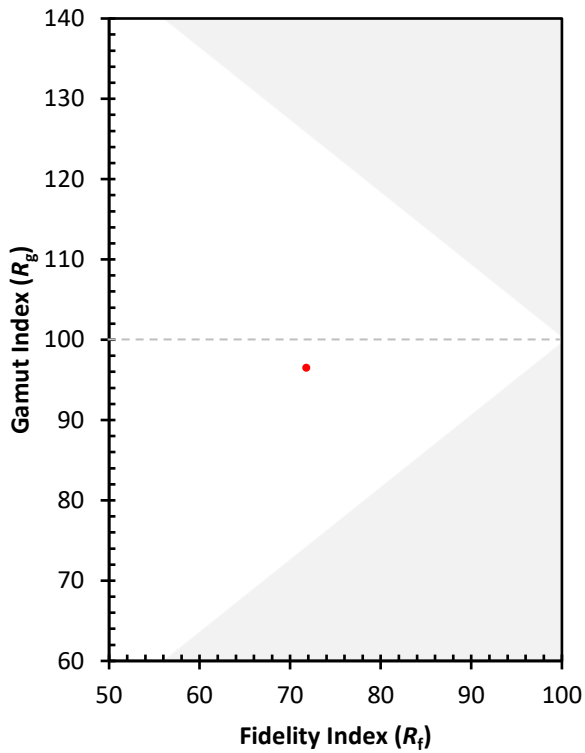
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)