

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: P1067408

Luminaire Tested: **NAV-SA5D-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067408
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30384.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - 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

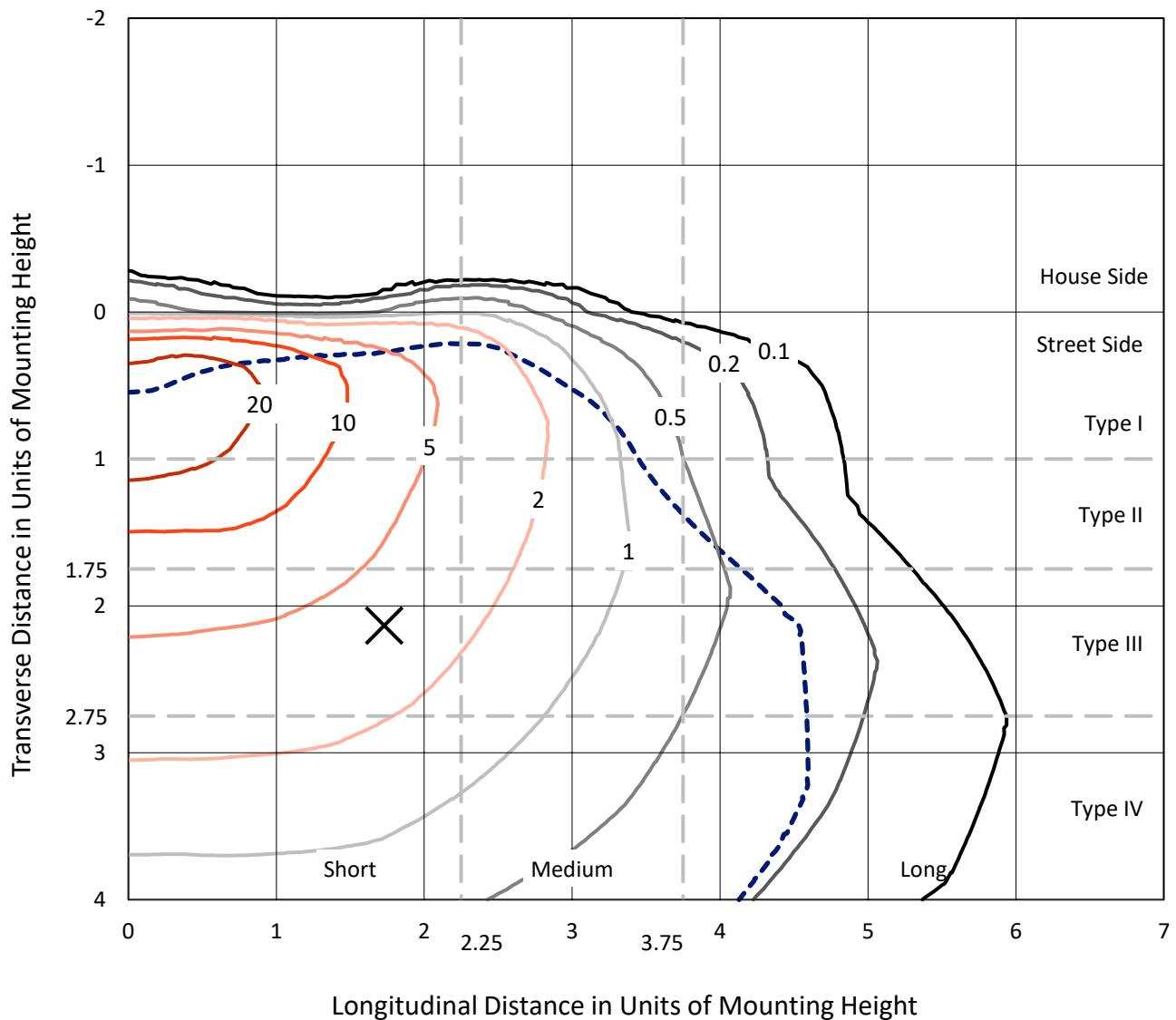


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

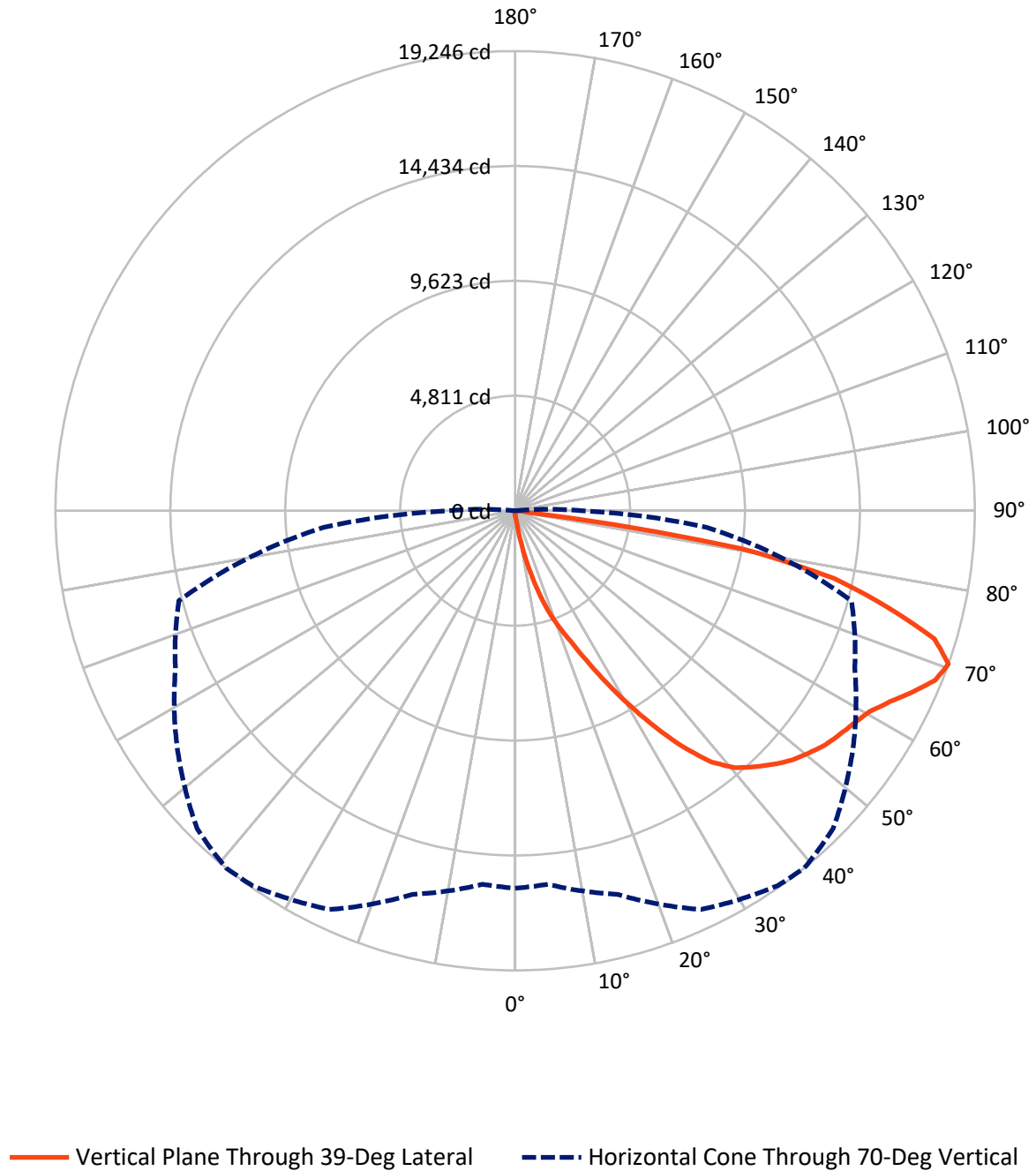


Based on 15 foot mounting height. Maximum calculated value = 33.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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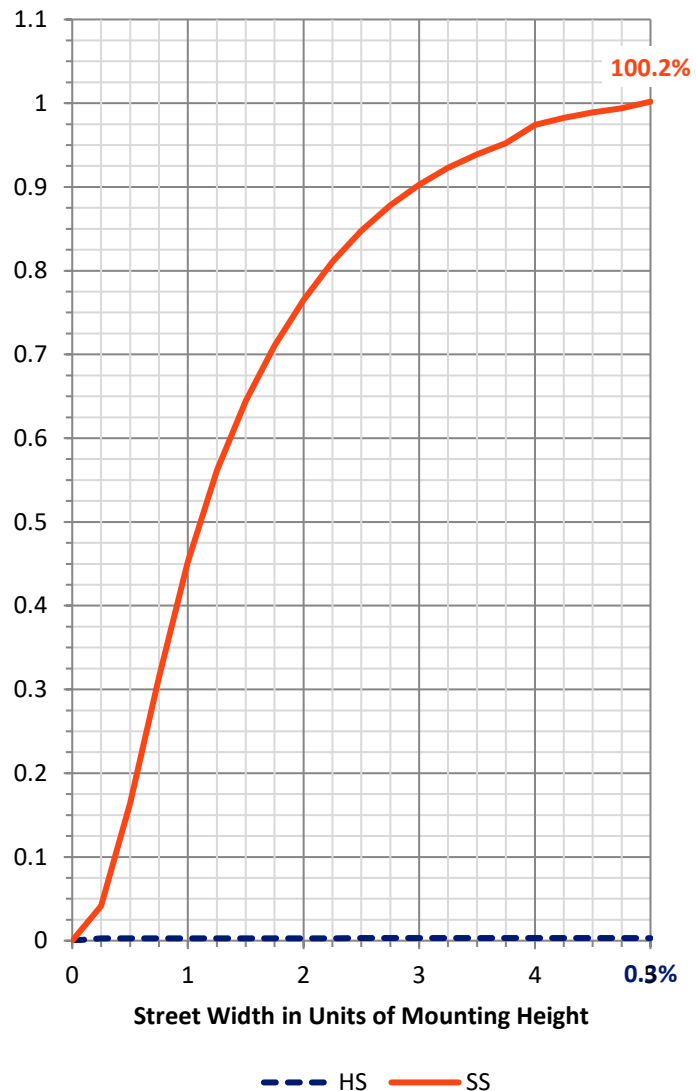
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	93.5	0.0	93.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	30291.4	0.0	30291.4
	% Fixture	99.7	0.0	99.7
Total	Lumens	30384.9	0.0	30384.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	0.1
10°-20°	373.6	1.2
20°-30°	1267.6	4.2
30°-40°	2979.1	9.8
40°-50°	4837.5	15.9
50°-60°	6130.1	20.2
60°-70°	7786.8	25.6
70°-80°	6326.8	20.8
80°-90°	651.4	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°	30384.9	100.0
0°-180°	30384.9	100.0



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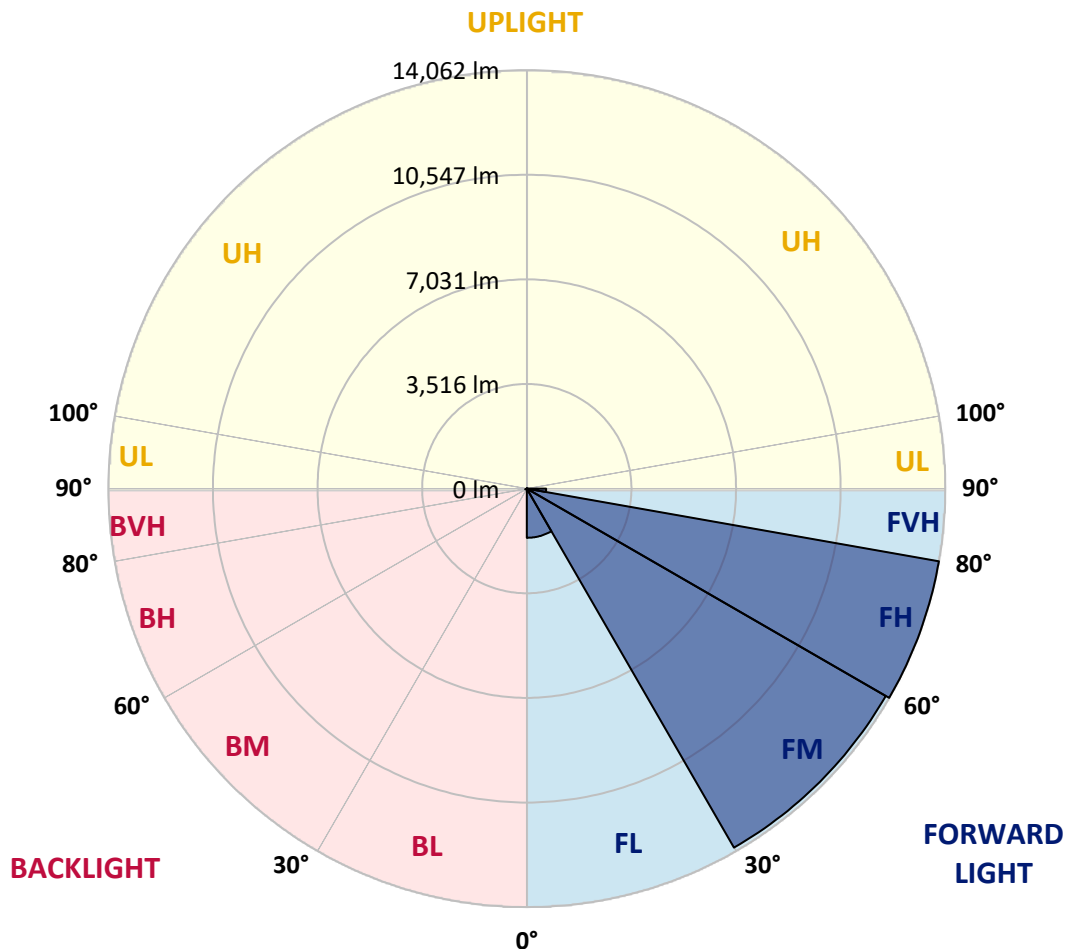
CATALOG NUMBER: NAV-SA5D-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1652.9	5.4			
FM	(30°-60°)	13928.8	45.8			
FH	(60°-80°)	14062.2	46.3			G5
FVH	(80°-90°)	647.5	2.1			G4/750
BL	(0°-30°)	20.2	0.1	B0/110		
BM	(30°-60°)	18.0	0.1	B0/220		
BH	(60°-80°)	51.4	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0
2.5°	214.5	214.5	214.5	206.2	206.2	198.0	198.0	189.7	181.5	181.5	173.2
5°	404.2	412.5	387.7	338.2	305.2	288.7	272.2	231.0	206.2	189.7	173.2
7.5°	1105.4	1072.4	1022.9	857.9	660.0	561.0	478.5	338.2	247.5	198.0	173.2
10°	2326.3	2235.6	2095.4	1872.6	1484.9	1328.2	1031.2	618.7	346.5	222.7	173.2
12.5°	3415.3	3431.8	3258.5	3044.0	2573.8	2309.8	1905.6	1163.2	544.5	264.0	173.2
15°	4240.2	4223.7	4157.7	3984.5	3563.8	3308.0	2945.0	1955.1	915.7	330.0	181.5
17.5°	4891.9	4825.9	4801.2	4726.9	4454.7	4314.4	3918.5	2879.0	1451.9	445.5	189.7
20°	5543.6	5527.1	5502.4	5419.9	5238.4	5139.4	4834.2	3811.2	2161.3	635.2	206.2
22.5°	6492.3	6401.6	6418.1	6236.6	6088.1	5914.8	5667.4	4801.2	2978.0	907.4	231.0
25°	7606.0	7597.7	7465.7	7383.2	7135.8	6946.0	6616.0	5758.1	3885.5	1311.7	255.7
27.5°	8917.6	8826.9	8769.1	8628.9	8373.2	8158.7	7705.0	6706.8	4867.2	1765.4	288.7
30°	10287.0	10287.0	10179.8	9965.3	9717.8	9453.8	8991.9	7705.0	5840.6	2342.8	330.0
32.5°	11887.4	11920.4	11656.4	11334.7	11013.0	10831.5	10229.3	8835.1	6772.8	3002.8	379.5
35°	13438.3	13397.1	12959.8	12605.1	12365.9	12167.9	11656.4	10072.5	7828.7	3770.0	445.5
37.5°	14923.2	14816.0	14090.0	13586.8	13479.6	13347.6	12836.1	11310.0	8876.4	4619.7	528.0
40°	15987.4	15822.4	15071.7	14378.7	14222.0	14147.8	13751.8	12431.9	9981.8	5568.4	635.2
42.5°	16449.4	16259.6	15739.9	15178.9	14832.5	14659.2	14312.8	13347.6	11087.2	6624.3	791.9
45°	16540.1	16391.6	16020.4	15888.4	15418.2	15154.2	14684.0	13999.3	12118.4	7672.0	1006.4
47.5°	16210.1	16144.1	15921.4	16201.9	15962.6	15599.7	15030.5	14486.0	13034.1	8942.4	1303.4
50°	15401.7	15352.2	15459.4	16193.6	16358.6	15946.1	15409.9	14865.5	13826.0	10254.0	1724.1
52.5°	14312.8	14304.5	14807.7	15979.1	16531.8	16276.1	15781.2	15244.9	14453.0	11524.4	2318.1
55°	13124.8	13265.1	14147.8	15781.2	16630.8	16515.4	16144.1	15583.2	15014.0	12704.1	3275.0
57.5°	13025.8	12968.1	13817.8	15698.7	16688.6	16754.6	16507.1	15937.9	15492.4	13669.3	4553.7
60°	14015.8	13883.8	14205.5	15871.9	16944.3	17059.8	16870.1	16210.1	15970.9	14428.2	6236.6
62.5°	15162.4	15038.7	15203.7	16540.1	17447.5	17612.5	17373.3	16490.6	16358.6	14956.2	8043.2
65°	16078.1	15979.1	16292.6	17538.3	18148.7	18289.0	18124.0	17010.3	16531.8	15385.2	9511.6
67.5°	16226.6	16102.9	16754.6	18206.5	18858.2	18957.2	18825.2	17513.5	16474.1	15418.2	9849.8
70°	15805.9	15698.7	16630.8	18421.0	19163.4	19245.9	18825.2	17274.3	15690.4	14576.7	8051.4
72.5°	14510.7	14593.2	15797.7	17901.3	18742.7	18363.2	17472.3	16069.9	14675.7	12357.6	5650.9
75°	12497.9	12588.6	14189.0	16474.1	16540.1	16078.1	15599.7	14783.0	13133.1	8142.2	3918.5
77.5°	8884.6	8562.9	10955.2	13603.3	13364.1	13661.0	13702.3	12299.9	10996.5	4240.2	2623.3
80°	874.4	742.4	1377.7	3902.0	8620.7	9635.3	10031.3	9478.6	8109.2	1897.4	1377.7
82.5°	189.7	189.7	206.2	222.7	346.5	519.7	2384.1	5840.6	5238.4	965.2	445.5
85°	107.2	107.2	132.0	156.7	206.2	231.0	272.2	363.0	1410.7	346.5	82.5
87.5°	82.5	90.7	107.2	132.0	173.2	189.7	231.0	288.7	354.7	321.7	24.7
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°	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0	165.0
2.5°	173.2	165.0	156.7	148.5	140.2	140.2	132.0	132.0	132.0	132.0	132.0
5°	165.0	156.7	148.5	132.0	123.7	115.5	107.2	107.2	107.2	107.2	107.2
7.5°	165.0	156.7	140.2	123.7	107.2	99.0	90.7	82.5	82.5	90.7	90.7
10°	165.0	148.5	123.7	107.2	90.7	82.5	74.2	66.0	66.0	66.0	66.0
12.5°	156.7	140.2	115.5	99.0	82.5	66.0	49.5	41.2	41.2	41.2	41.2
15°	148.5	132.0	107.2	82.5	57.7	41.2	33.0	24.7	24.7	24.7	24.7
17.5°	148.5	123.7	99.0	74.2	41.2	24.7	16.5	8.2	8.2	8.2	16.5
20°	148.5	123.7	90.7	57.7	24.7	16.5	16.5	8.2	0.0	8.2	8.2
22.5°	148.5	115.5	74.2	41.2	24.7	16.5	8.2	0.0	0.0	0.0	0.0
25°	156.7	115.5	66.0	33.0	16.5	8.2	0.0	0.0	0.0	0.0	0.0
27.5°	156.7	107.2	57.7	24.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	165.0	107.2	49.5	16.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	165.0	99.0	33.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	165.0	90.7	24.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	165.0	82.5	24.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	173.2	74.2	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	181.5	66.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	189.7	57.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	214.5	57.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	247.5	57.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	297.0	57.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	387.7	49.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	561.0	49.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	940.4	49.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1649.9	49.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2788.3	49.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3638.0	57.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2763.6	49.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1319.9	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	585.7	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	255.7	24.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	99.0	16.5	8.2	8.2	8.2	8.2	0.0	0.0	0.0	0.0	0.0
82.5°	41.2	16.5	8.2	8.2	8.2	8.2	8.2	0.0	0.0	0.0	0.0
85°	24.7	16.5	16.5	16.5	8.2	8.2	8.2	0.0	0.0	0.0	0.0
87.5°	16.5	16.5	16.5	16.5	16.5	8.2	8.2	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

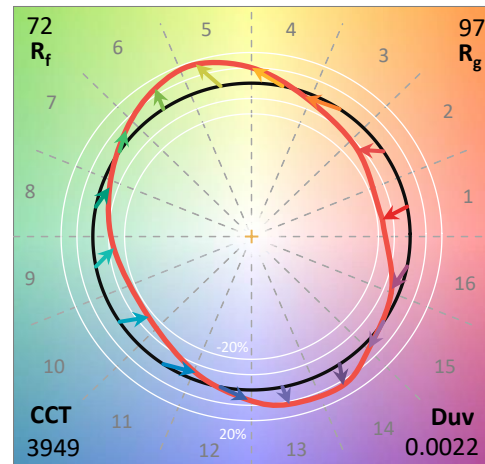
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

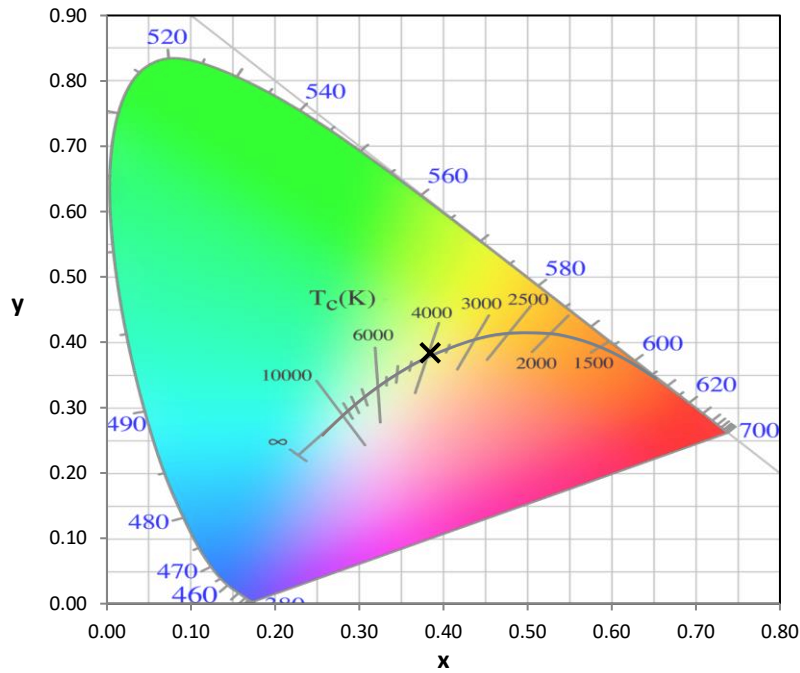
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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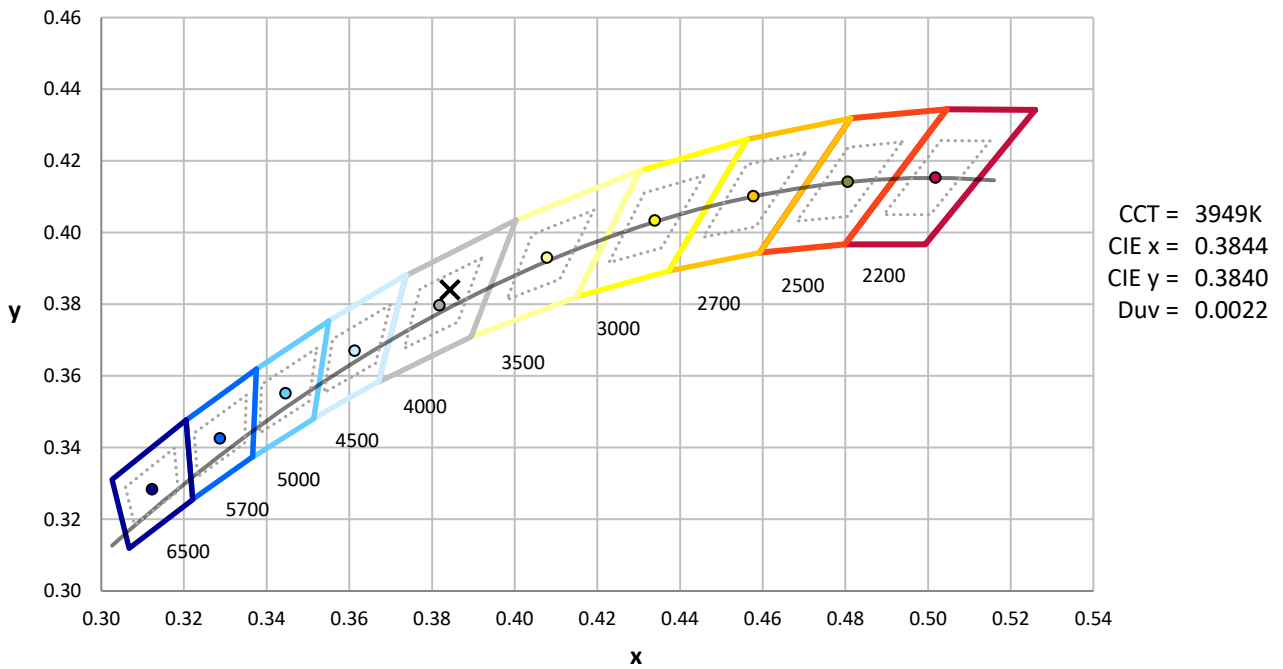
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



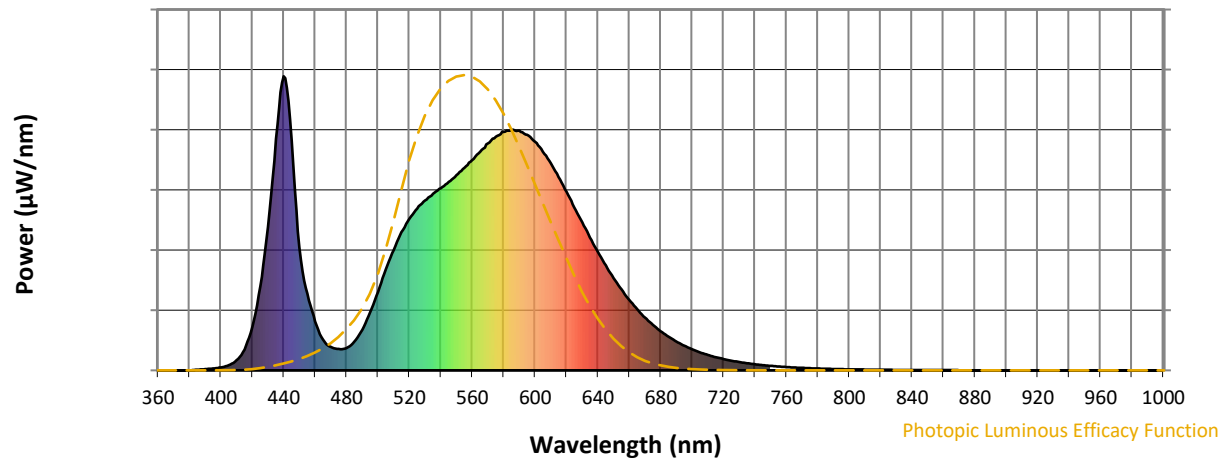
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

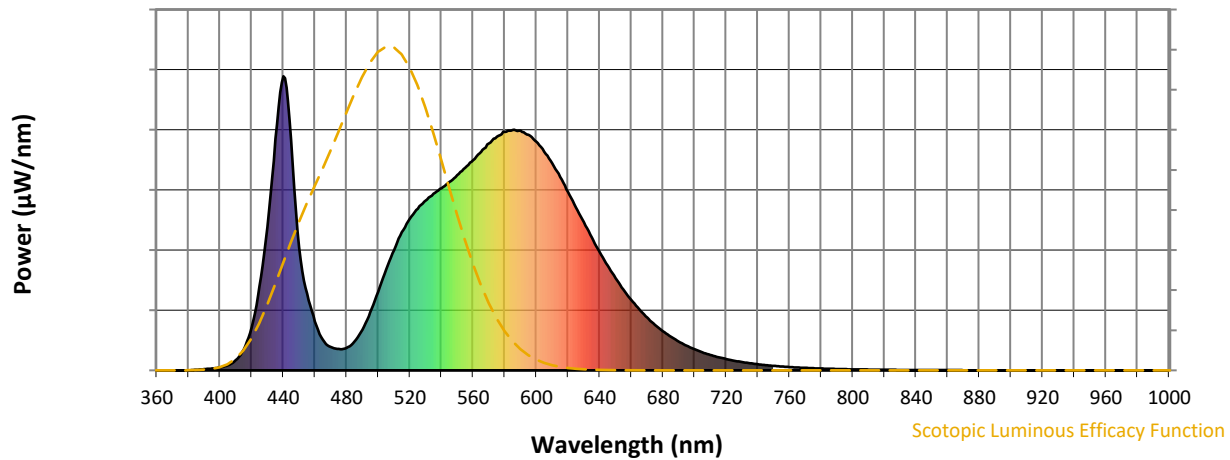


Photopic Lumens: NR

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	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



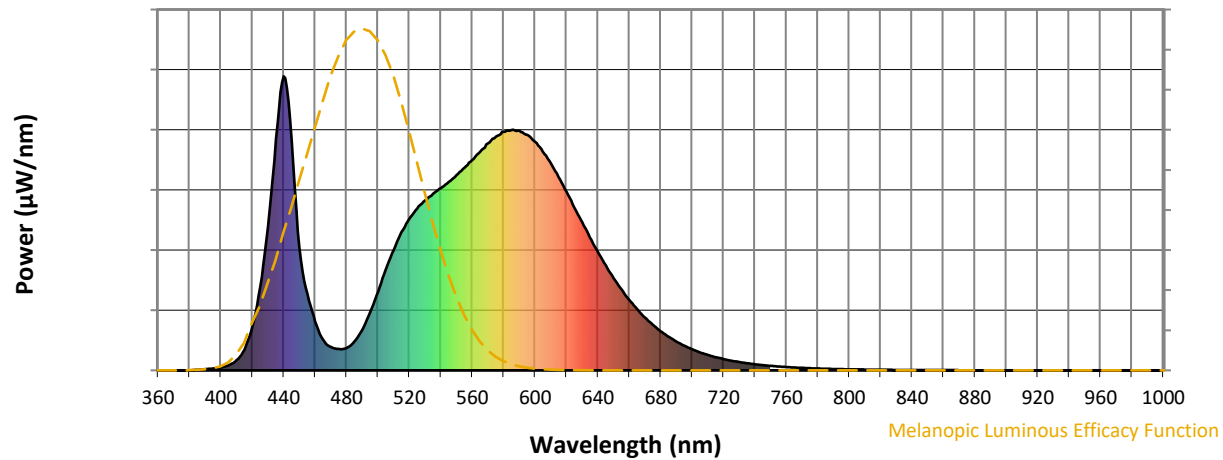
Scotopic Lumens: NR

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

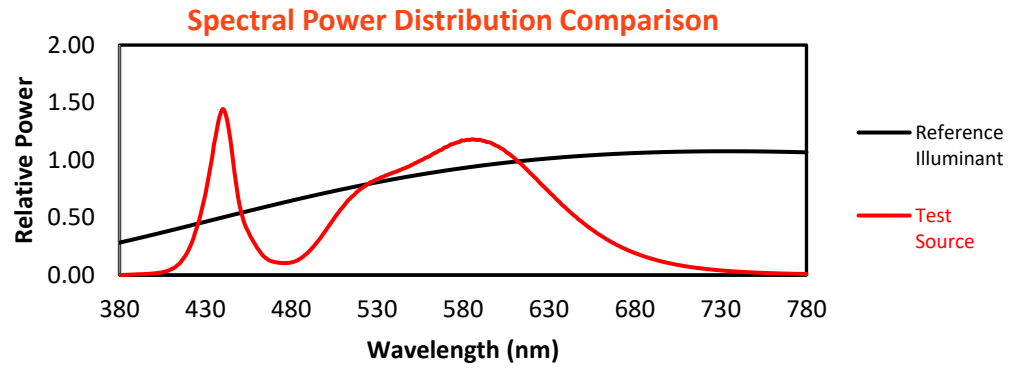
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	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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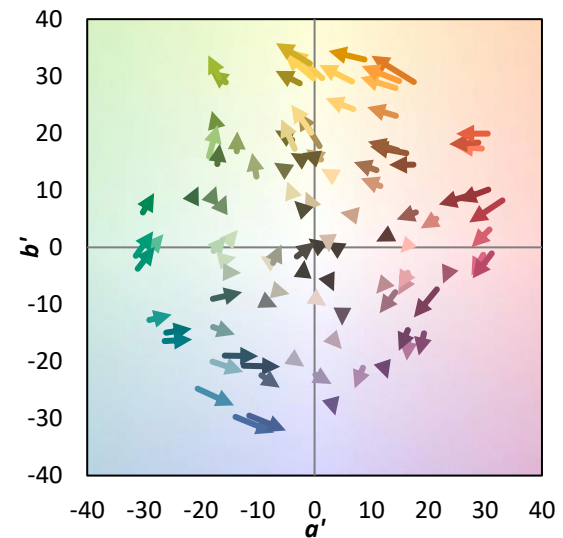
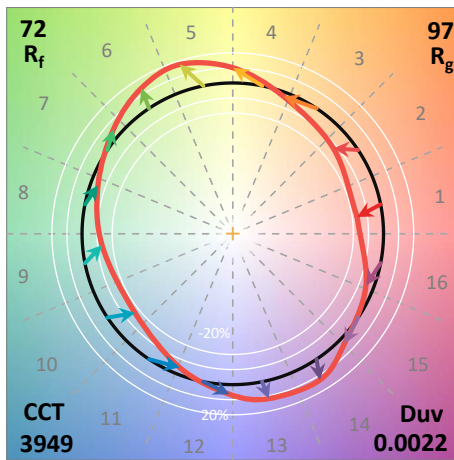
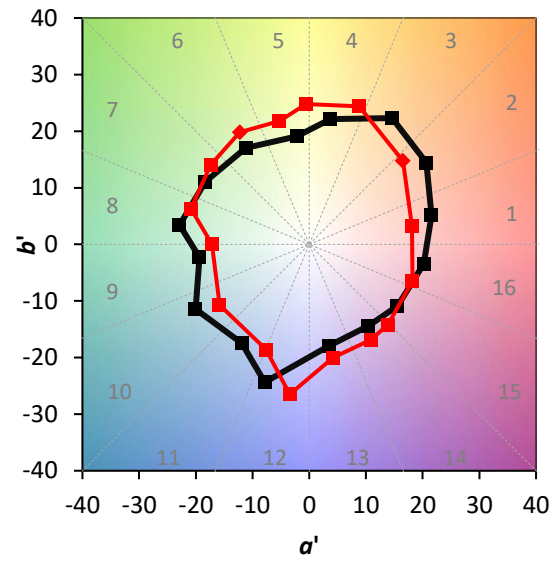
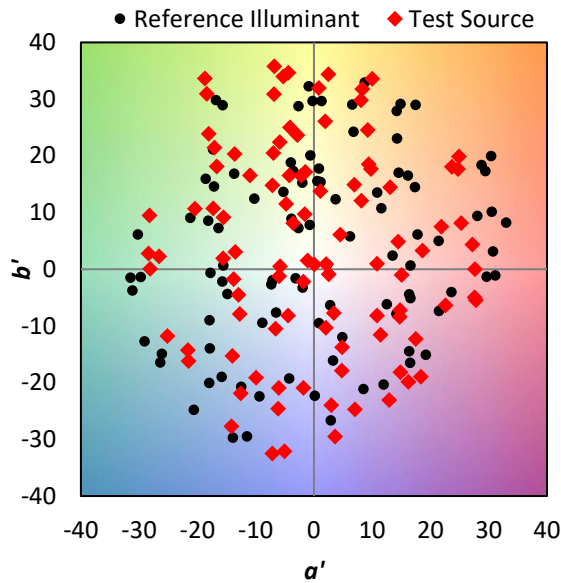
TM-30-18

Summary

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

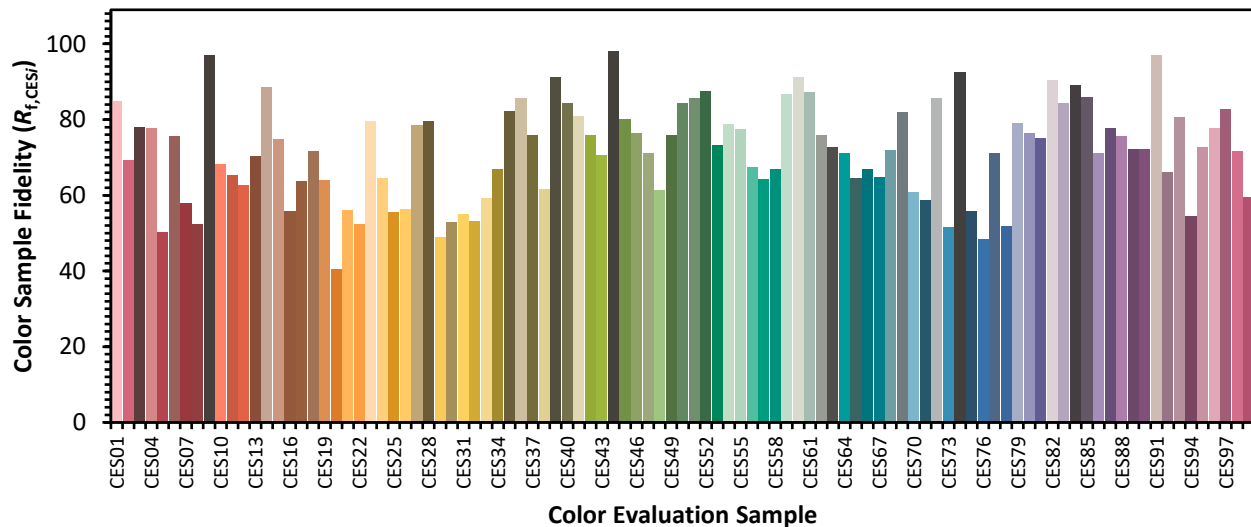


Color Vector Graphics

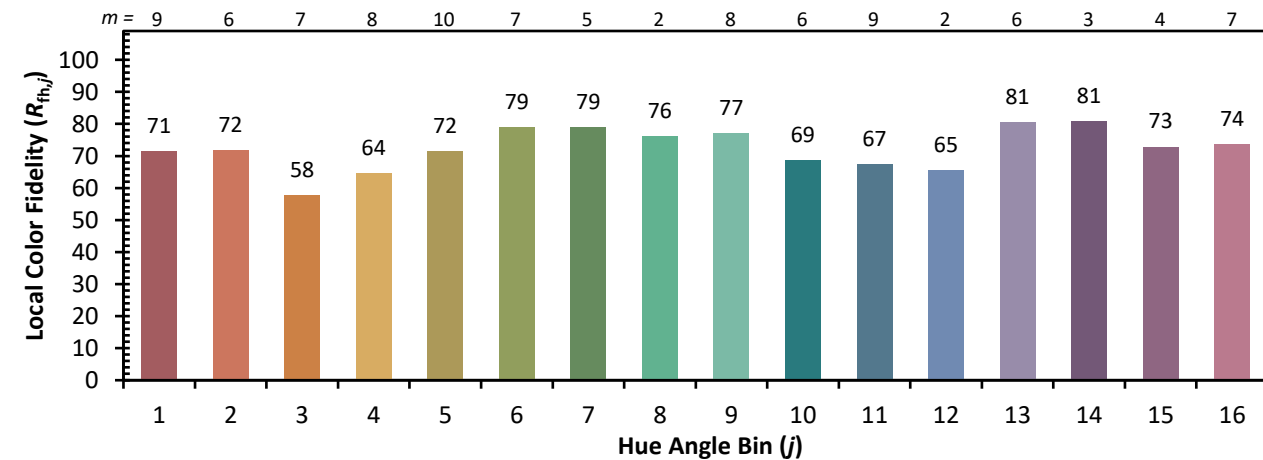
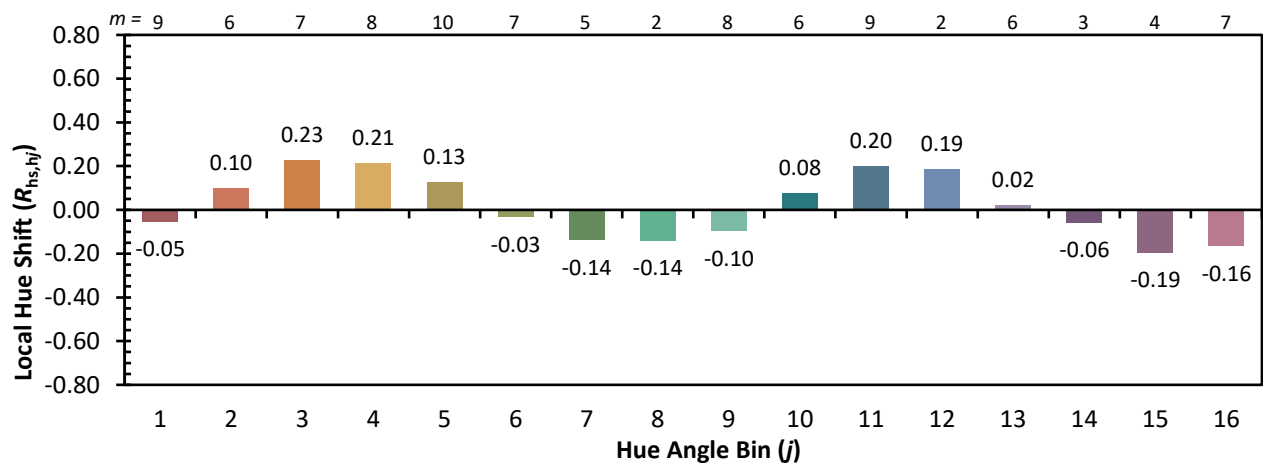
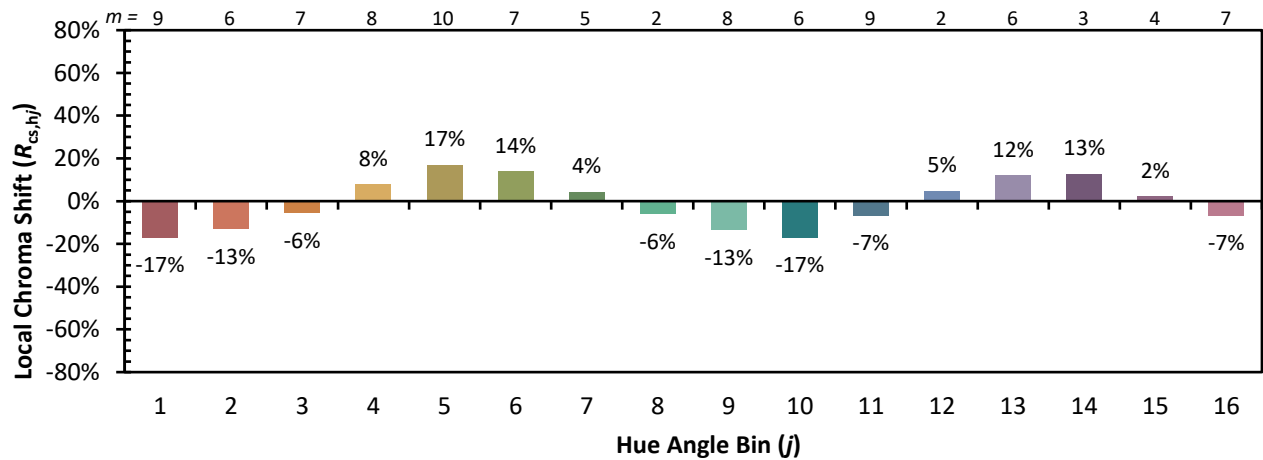


Individual Sample Fidelity Index ($R_{f,i}$)

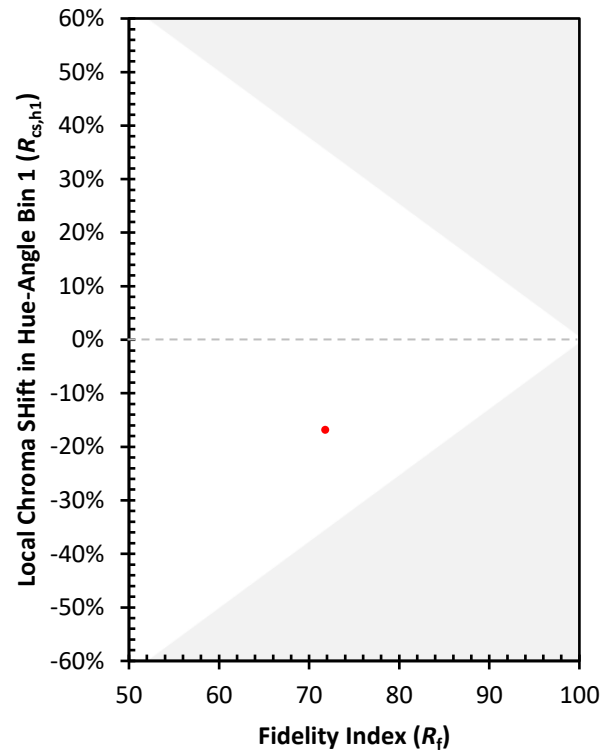
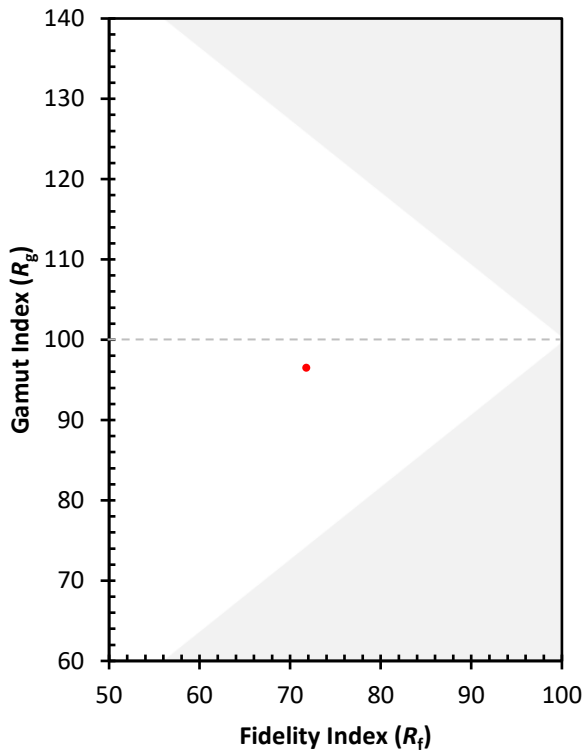
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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)