

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: P1067033

Luminaire Tested: **NAV-SA2A-750-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067033
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2A-750-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
70CRI 5000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7522 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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

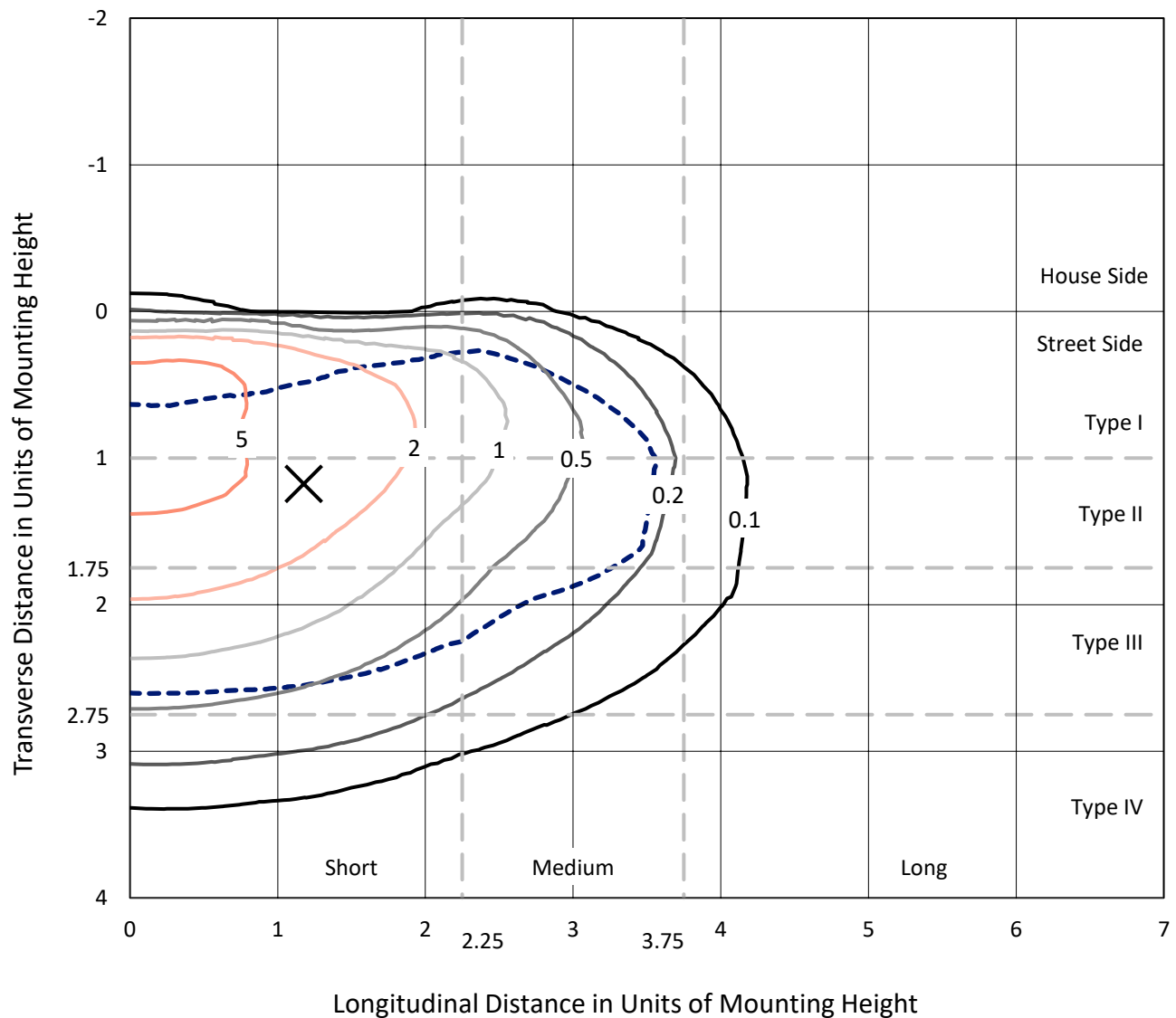


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

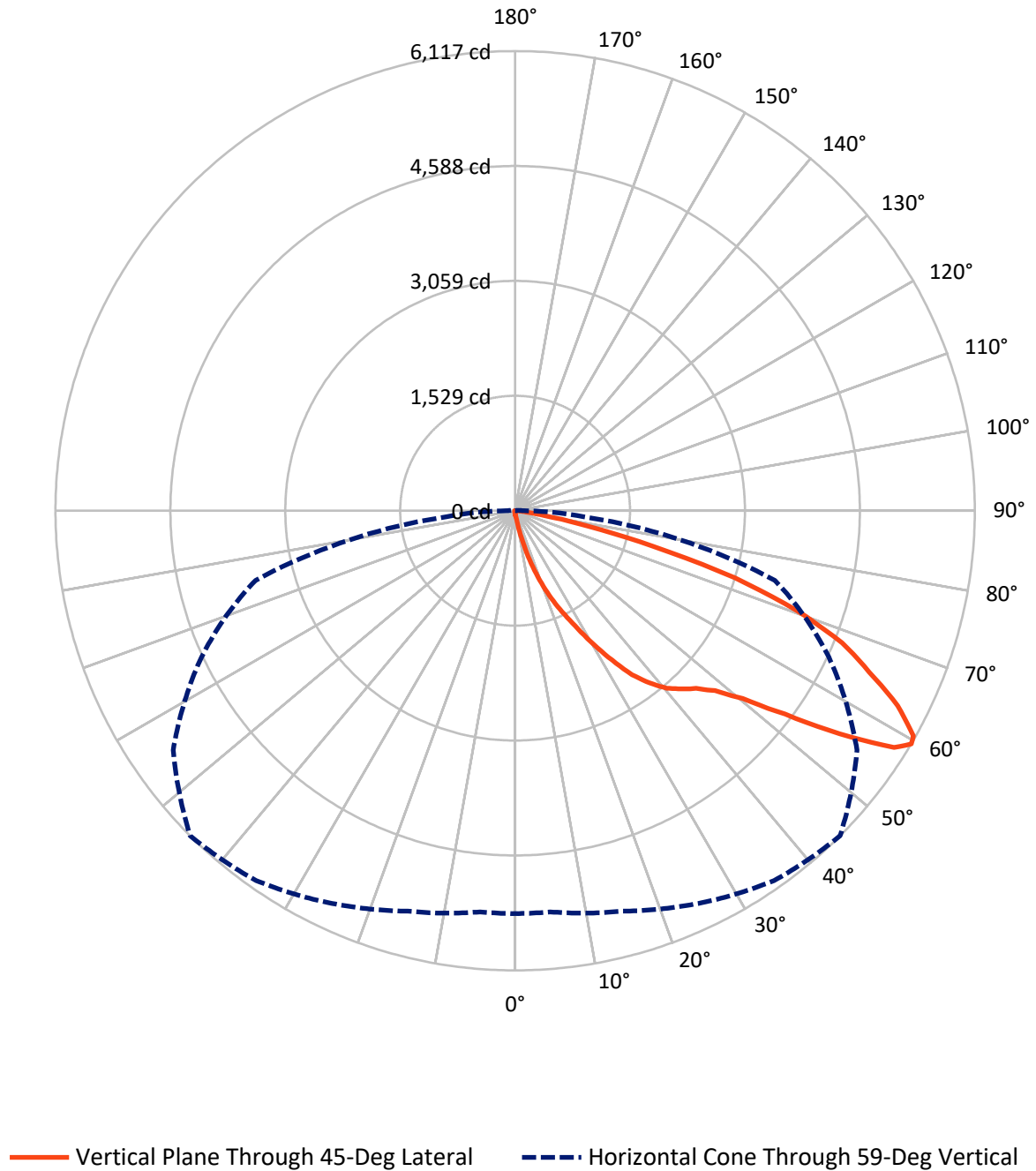


Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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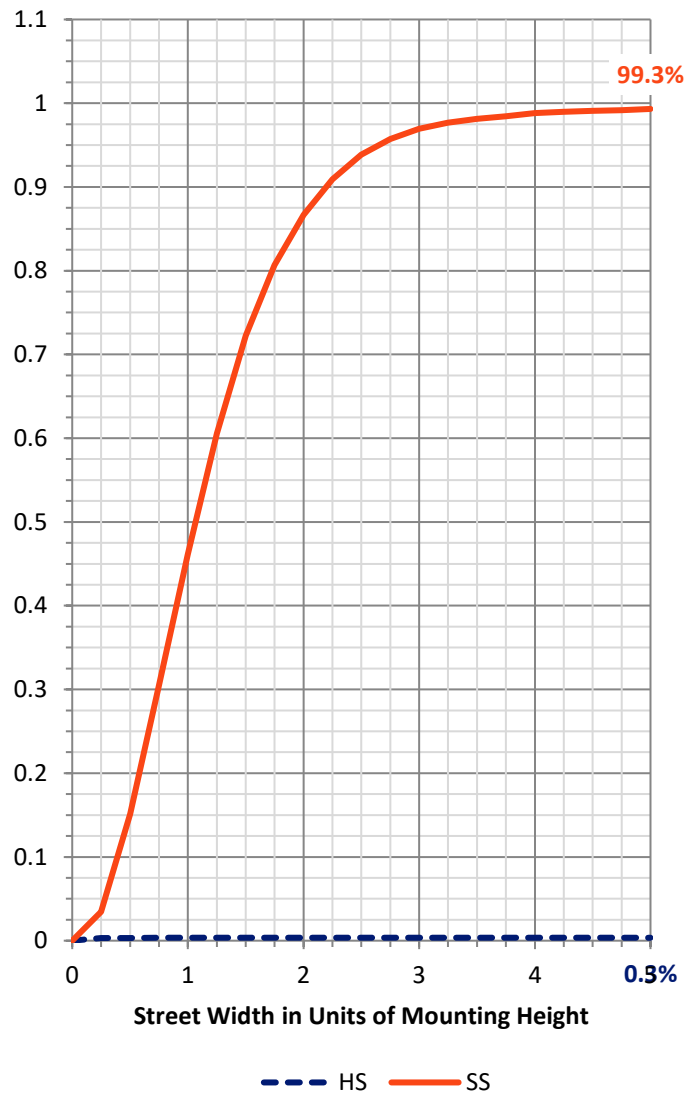
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26.7	0.0	26.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	7495.3	0.0	7495.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	7522.0	0.0	7522.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	83.1	1.1
20°-30°	298.7	4.0
30°-40°	694.2	9.2
40°-50°	1183.2	15.7
50°-60°	1949.6	25.9
60°-70°	2254.1	30.0
70°-80°	968.4	12.9
80°-90°	83.7	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°	7522.0	100.0
0°-180°	7522.0	100.0



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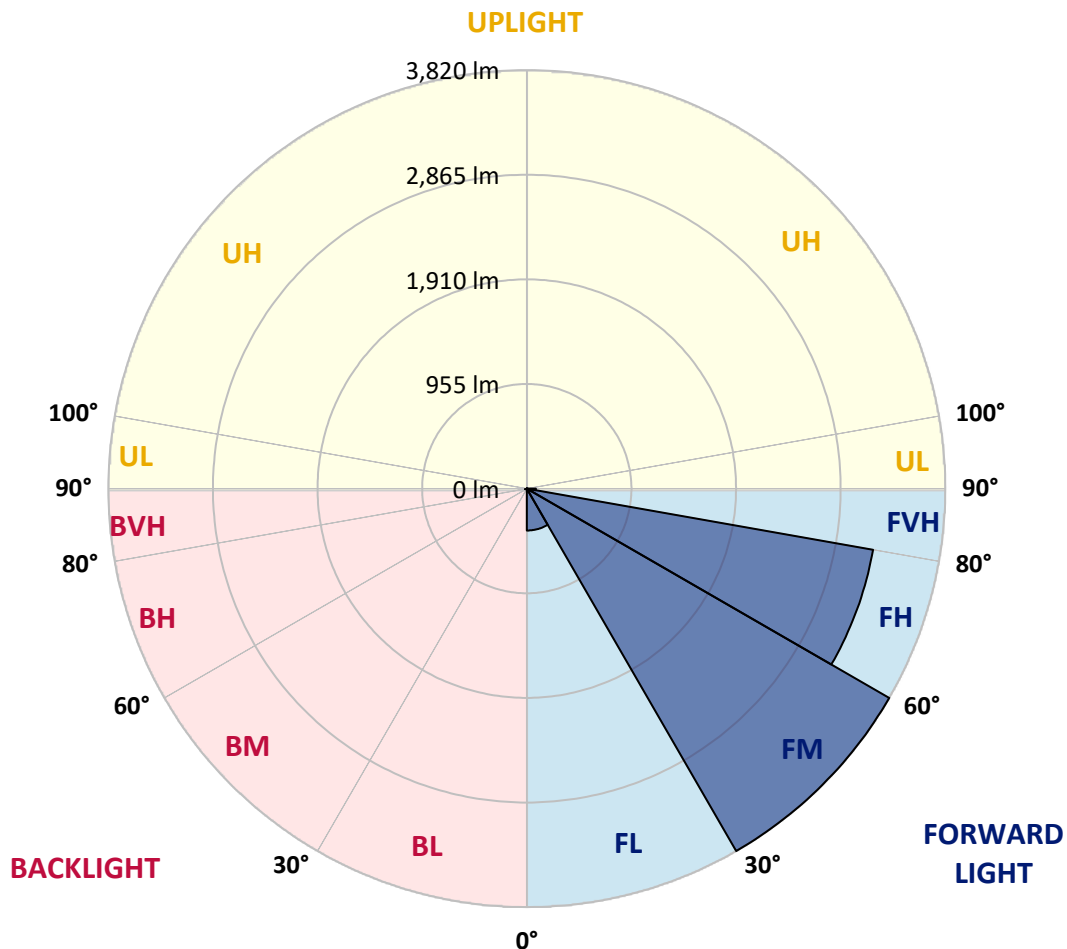
CATALOG NUMBER: NAV-SA2A-750-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.3	5.1			
FM	(30°-60°)	3820.4	50.8			
FH	(60°-80°)	3210.0	42.7			G2/5000
FVH	(80°-90°)	82.6	1.1			G1/100
BL	(0°-30°)	6.6	0.1	B0/110		
BM	(30°-60°)	6.5	0.1	B0/220		
BH	(60°-80°)	12.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2.5°	61.7	61.7	60.2	58.2	57.7	56.1	56.1	54.6	52.6	51.1	49.1
5°	89.5	89.0	85.0	79.9	73.3	69.3	69.3	63.7	58.7	54.1	50.1
7.5°	195.7	191.2	176.5	152.2	120.4	99.1	97.6	79.4	67.3	58.2	50.6
10°	449.1	433.5	412.7	354.6	262.0	183.1	179.6	115.8	80.4	62.7	51.6
12.5°	735.9	748.6	707.1	615.5	507.3	377.3	352.0	195.2	106.2	68.8	52.6
15°	996.9	993.9	970.6	895.7	770.8	597.8	582.2	339.4	152.2	78.4	53.6
17.5°	1192.1	1188.6	1166.3	1118.3	1022.2	849.2	835.6	541.2	238.7	92.1	54.6
20°	1398.0	1393.4	1362.1	1323.6	1239.7	1092.5	1076.3	766.8	373.8	114.3	54.6
22.5°	1644.8	1636.2	1602.8	1537.6	1449.1	1321.1	1306.4	997.4	541.2	150.7	57.2
25°	1943.2	1928.5	1882.5	1823.9	1717.1	1547.2	1531.5	1254.3	743.0	205.9	59.7
27.5°	2283.6	2286.1	2223.9	2124.8	1981.7	1808.2	1778.8	1484.5	951.9	284.8	62.7
30°	2687.7	2662.4	2574.9	2459.6	2320.5	2099.5	2071.2	1713.6	1186.6	401.1	67.8
32.5°	3066.1	3038.7	2920.9	2775.7	2626.5	2393.4	2370.1	1971.0	1400.0	538.7	76.9
35°	3390.8	3371.5	3206.7	3029.6	2897.1	2688.7	2681.7	2258.3	1650.9	686.9	87.0
37.5°	3676.5	3641.6	3429.7	3246.1	3111.6	2924.9	2909.8	2521.3	1892.6	858.8	102.2
40°	3920.3	3901.1	3642.6	3401.4	3292.1	3125.2	3106.0	2752.0	2142.5	1058.6	120.9
42.5°	4181.3	4156.0	3905.1	3634.6	3433.3	3254.7	3242.1	2942.1	2365.0	1278.1	148.7
45°	4476.2	4429.1	4209.1	3966.3	3660.3	3388.7	3374.6	3111.6	2593.1	1513.8	182.6
47.5°	4791.3	4750.3	4572.3	4401.8	4049.8	3609.8	3579.4	3255.7	2819.7	1785.9	225.6
50°	5111.9	5113.0	4979.4	4897.5	4525.7	3968.9	3925.9	3467.6	3058.0	2077.2	289.3
52.5°	5485.2	5494.8	5492.8	5432.1	5143.8	4556.1	4498.4	3789.3	3334.6	2417.1	377.3
55°	5641.5	5658.7	5770.5	5905.0	5826.6	5300.6	5238.9	4344.2	3701.3	2796.0	507.8
57.5°	5513.5	5532.8	5687.0	5922.7	6102.8	5952.6	5945.5	5066.4	4184.3	3255.2	721.2
59°	5361.3	5358.8	5517.1	5766.9	6009.7	6107.3	6117.4	5555.0	4605.2	3577.4	905.4
60°	5260.1	5262.2	5367.4	5623.8	5881.7	6051.2	6090.6	5842.8	4851.0	3809.0	1063.2
62.5°	4869.7	4892.9	4976.4	5214.6	5459.4	5648.6	5715.9	6099.2	5554.5	4356.3	1611.9
65°	4445.3	4446.8	4565.7	4769.5	5004.2	5137.2	5179.7	5700.2	6024.4	4913.7	2331.7
67.5°	3688.2	3719.0	3854.1	4184.3	4494.4	4662.8	4695.2	4961.7	5829.7	5276.8	2692.3
70°	2581.0	2621.5	2814.2	3242.6	3704.4	3981.0	3979.0	4124.7	5130.7	5115.0	2282.6
72.5°	1288.7	1358.5	1515.8	1974.6	2534.0	2968.4	3060.0	3317.9	4121.6	4248.6	1703.0
75°	569.5	573.6	663.1	894.2	1259.4	1811.2	1893.1	2633.6	3162.2	2952.8	1230.1
77.5°	331.3	334.3	350.5	401.6	510.3	887.6	979.7	1727.2	2234.5	1716.1	802.2
80°	120.4	123.4	122.9	152.2	223.6	349.5	389.5	837.1	1490.5	903.8	420.3
82.5°	73.8	73.8	71.3	71.8	81.4	134.0	146.7	356.6	725.8	445.1	120.4
85°	36.4	38.4	41.0	46.0	54.6	66.3	70.3	102.2	244.3	107.7	28.8
87.5°	21.7	22.3	24.3	29.3	36.4	47.5	50.6	69.3	87.5	72.3	7.1
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-SA2A-750-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
2.5°	48.0	47.5	45.0	43.0	41.0	38.9	37.4	35.9	35.9	36.4	35.9
5°	48.0	46.0	42.0	38.4	35.4	32.9	30.3	28.3	27.8	27.8	28.3
7.5°	47.5	45.0	39.5	34.9	30.9	27.3	24.8	22.3	21.7	22.3	21.7
10°	47.0	44.0	37.4	31.9	26.3	22.8	19.2	16.7	16.7	16.7	17.2
12.5°	47.0	42.5	35.4	28.8	22.8	18.7	15.2	12.6	12.1	12.1	12.1
15°	46.5	41.5	33.4	25.3	19.2	14.2	11.1	8.6	8.6	8.6	8.6
17.5°	45.5	40.0	30.9	22.3	15.2	10.6	7.6	5.1	5.1	6.1	6.1
20°	44.5	38.4	27.8	18.2	12.6	8.1	5.1	3.0	3.0	4.6	5.1
22.5°	45.0	38.4	25.8	16.2	10.1	6.1	4.0	2.5	2.0	3.5	4.6
25°	45.5	37.4	23.3	14.2	7.6	4.6	3.0	1.0	0.5	1.0	1.5
27.5°	45.5	36.4	20.2	11.1	5.6	3.5	1.5	0.0	0.0	0.0	0.0
30°	45.0	34.9	17.7	9.1	4.0	2.0	0.5	0.0	0.0	0.0	0.0
32.5°	44.5	33.4	16.2	7.1	3.5	1.0	0.0	0.0	0.0	0.0	0.0
35°	45.0	31.4	14.2	5.6	2.0	0.0	0.0	0.0	0.0	0.0	1.0
37.5°	46.5	29.3	12.1	4.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	48.6	27.8	10.1	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	52.6	27.8	9.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	57.7	27.8	7.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	64.2	28.3	6.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	72.3	29.3	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	78.4	28.3	5.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	89.0	27.3	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	103.2	25.8	5.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	117.3	23.8	5.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	133.5	22.8	4.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	220.5	20.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	425.9	19.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	688.4	19.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	723.8	19.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	481.5	15.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	257.9	14.2	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	139.1	13.2	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	61.2	9.6	2.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.3	6.6	3.0	2.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	11.6	5.1	4.0	3.5	2.5	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	5.6	5.1	4.6	4.0	3.5	2.5	0.5	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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

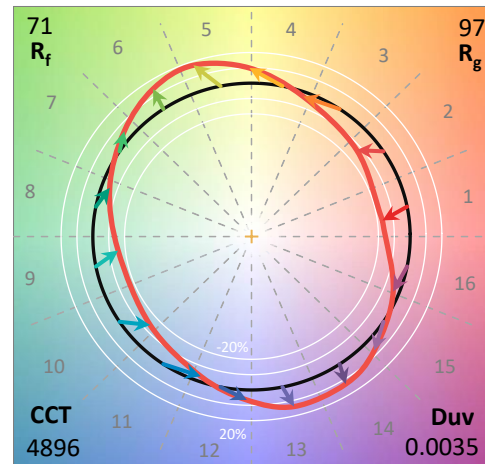
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

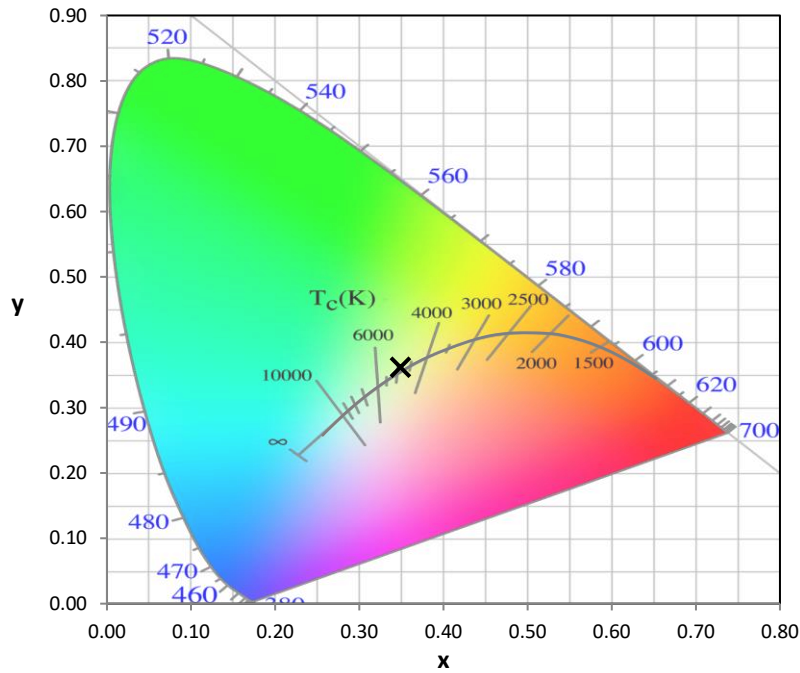
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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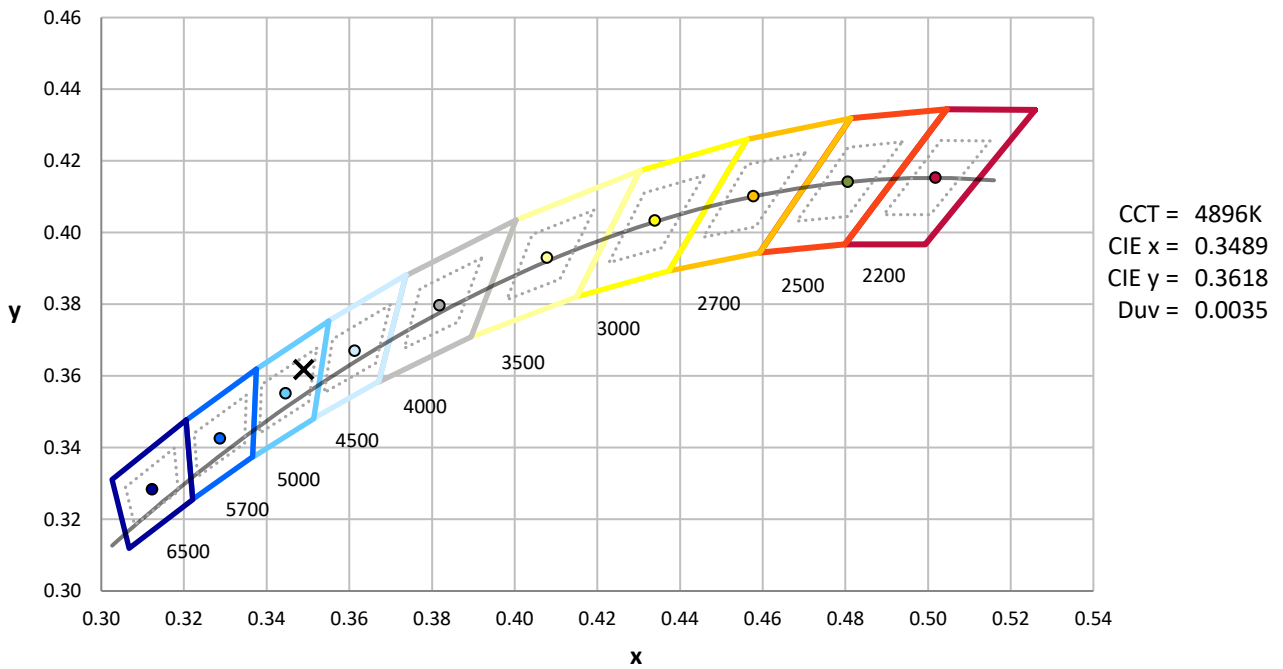
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



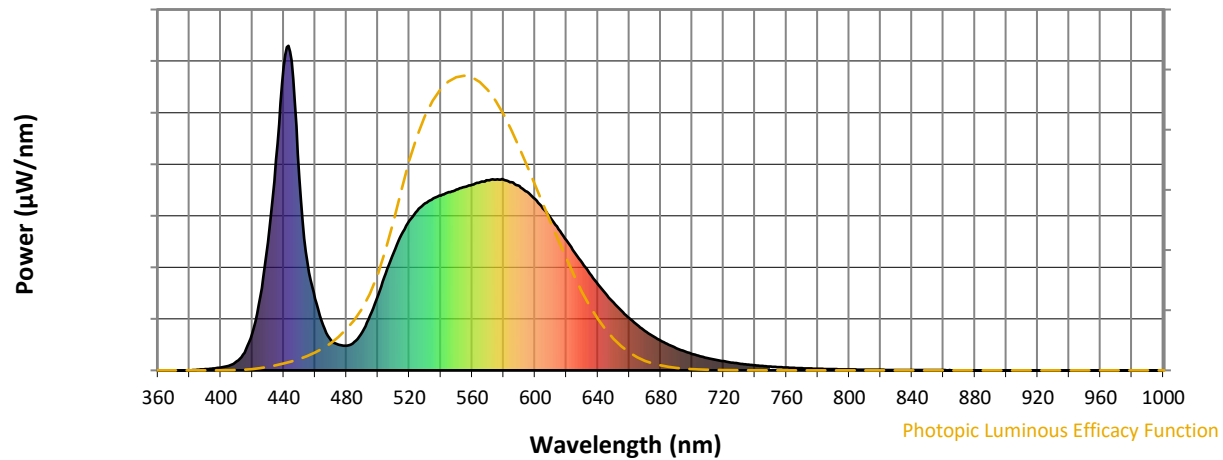
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

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Photopic Flux vs. Wavelength

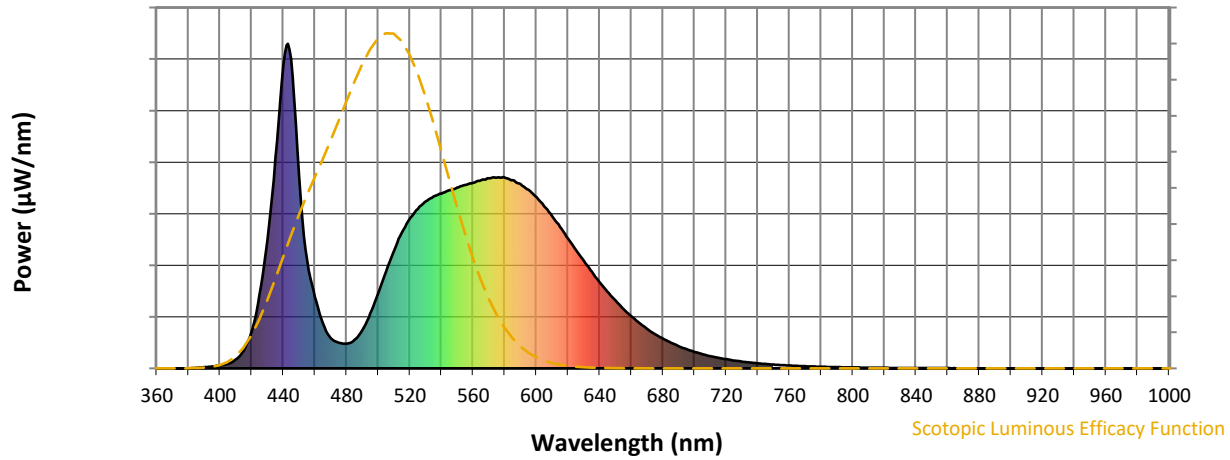


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



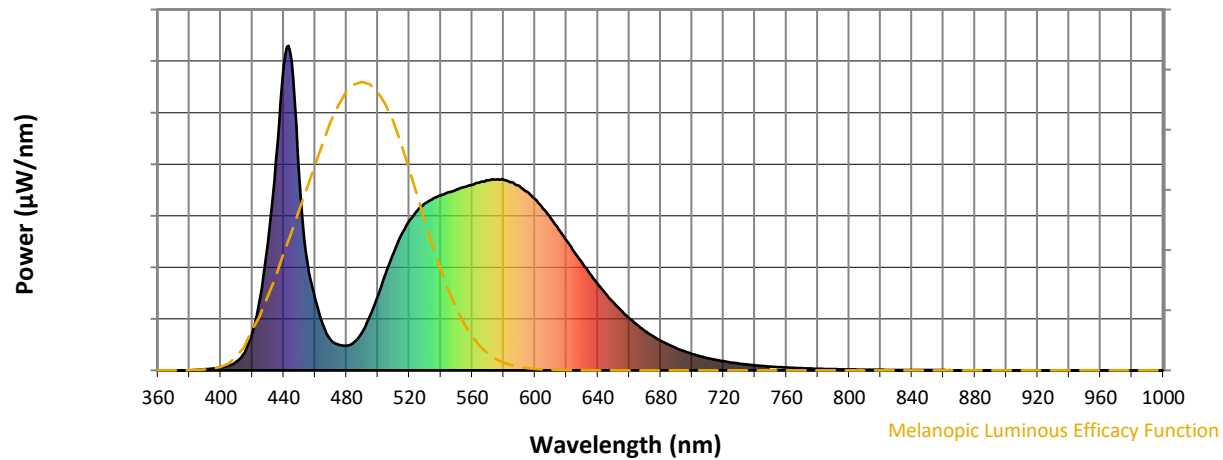
Scotopic Lumens: NR

S/P: 1.7

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.37

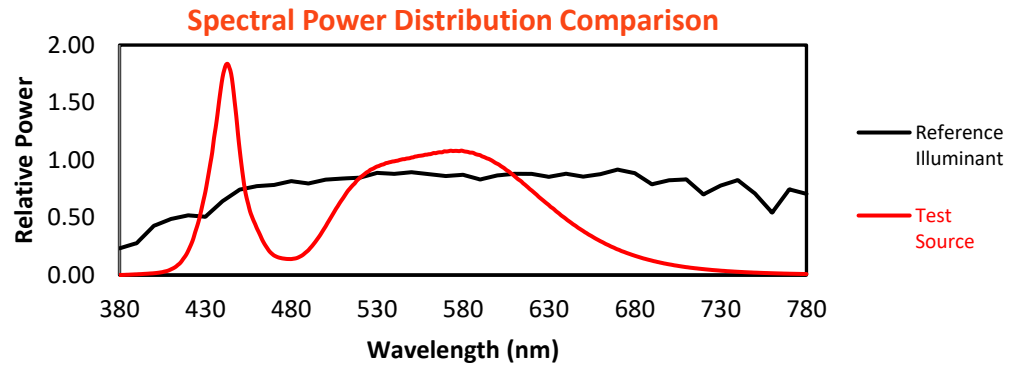
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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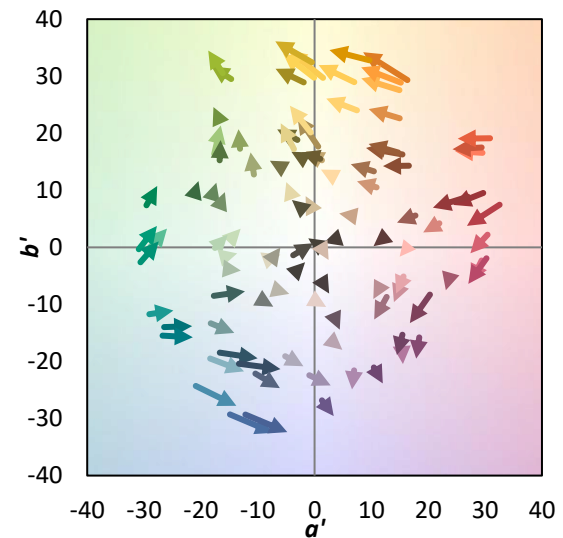
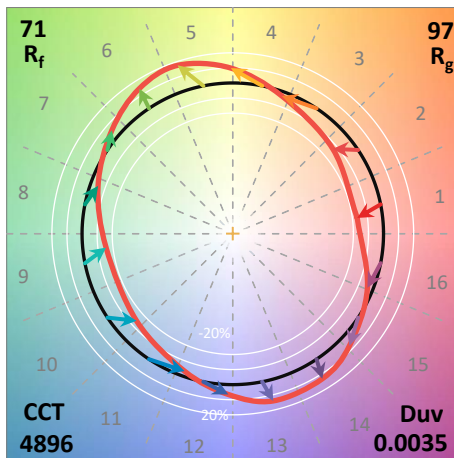
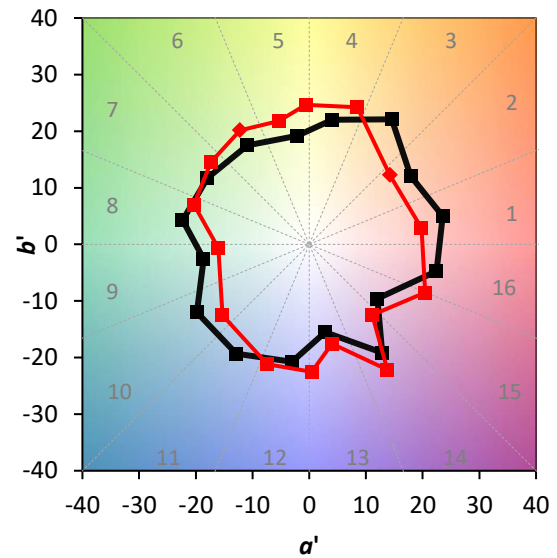
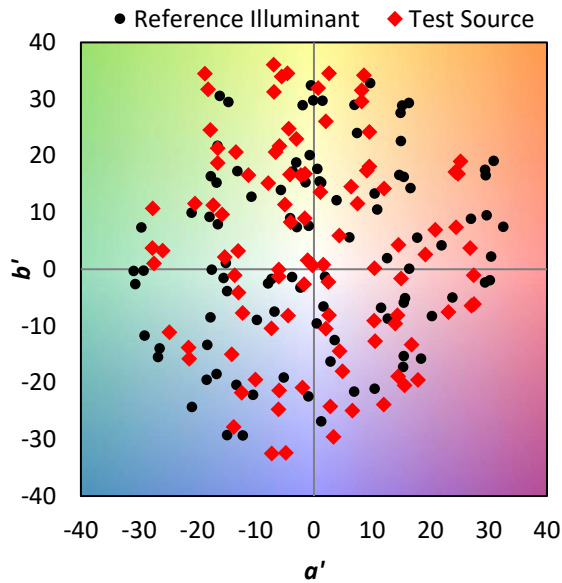
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 CIE $R_a = 70.2$
 $R_g = -35.1$

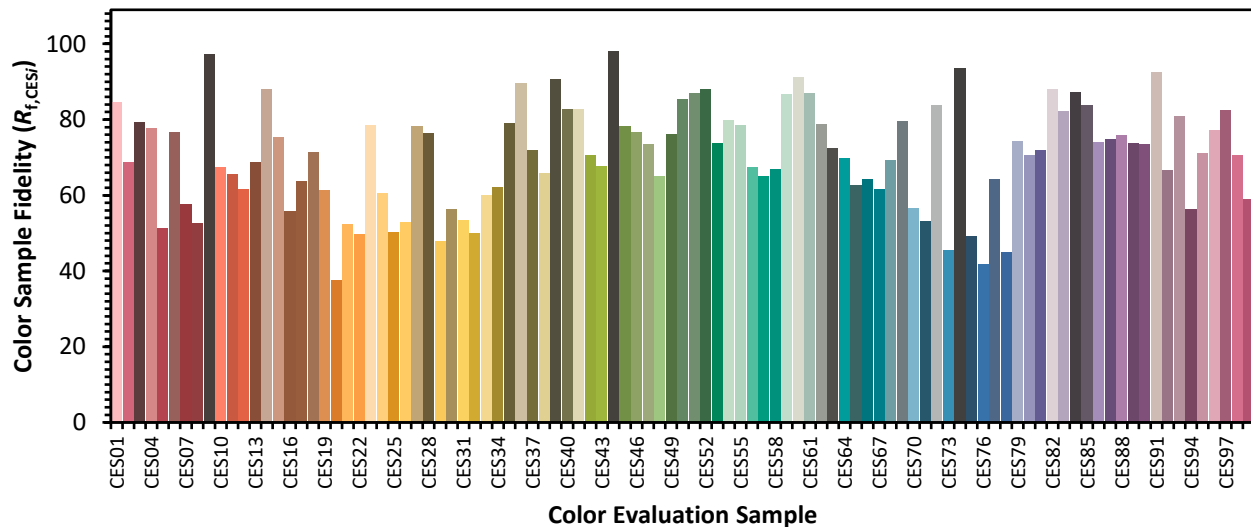


Color Vector Graphics

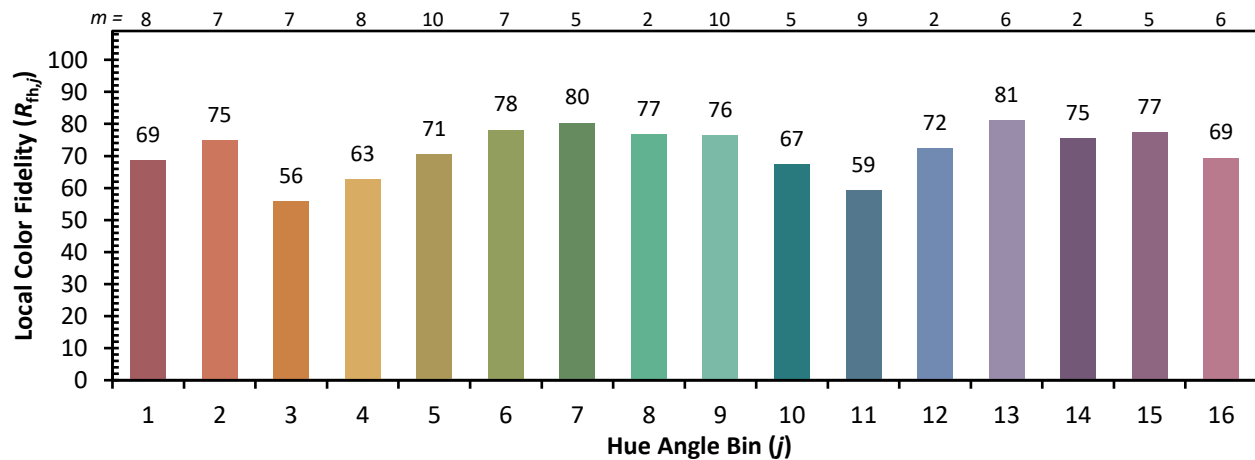
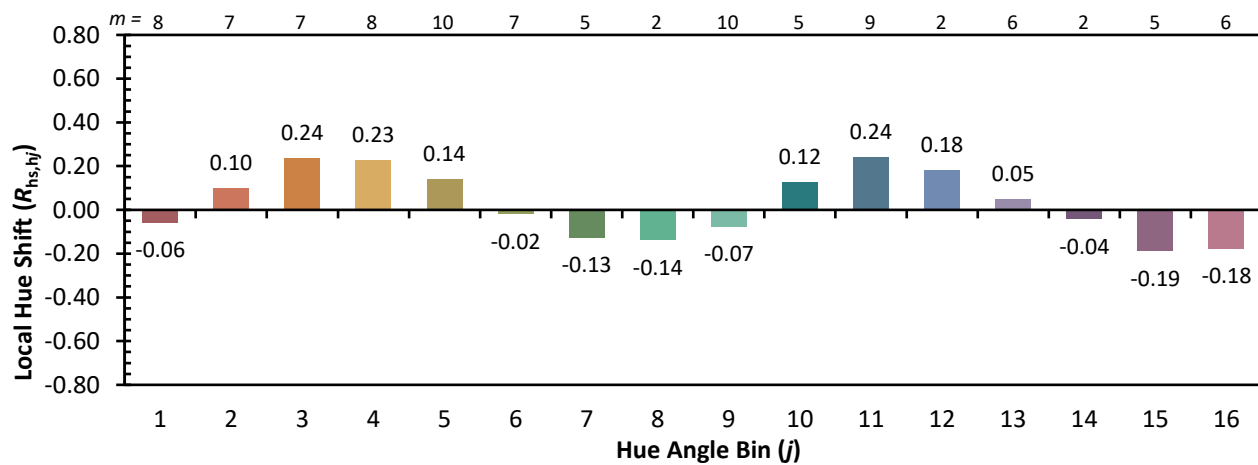
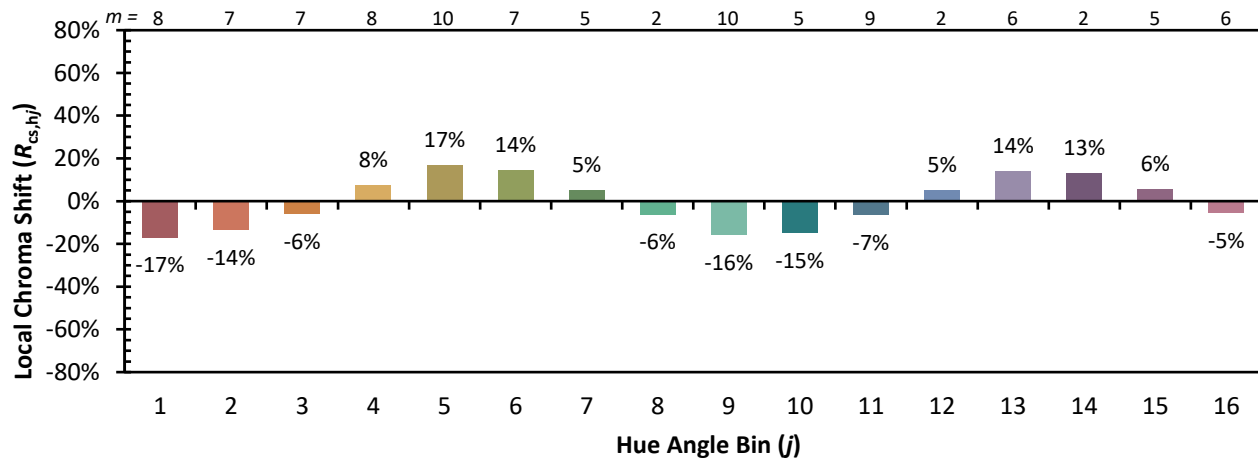


Individual Sample Fidelity Index ($R_{f,i}$)

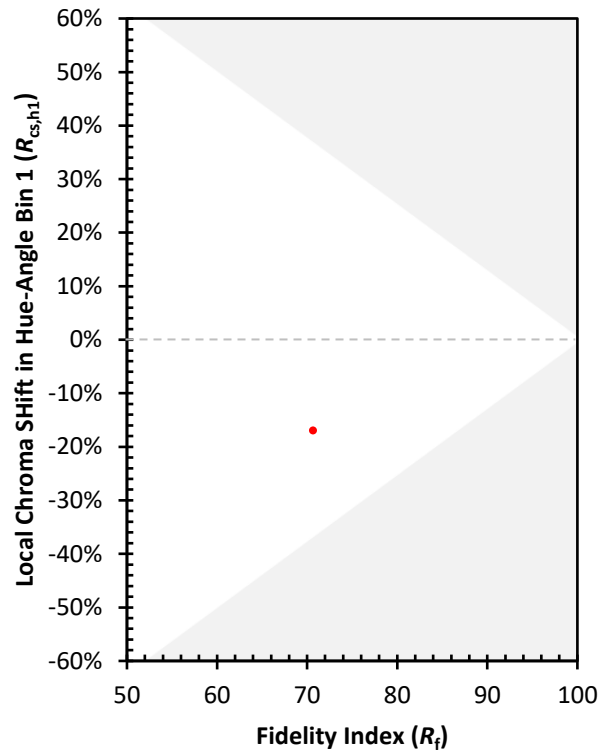
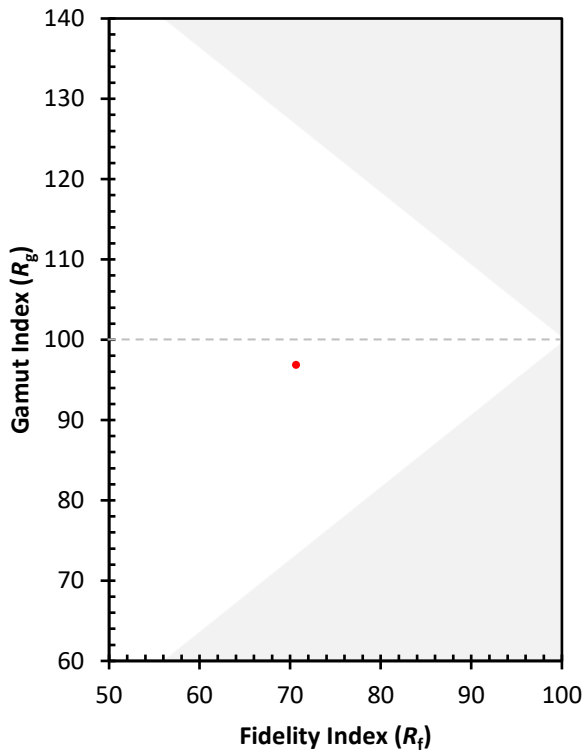
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)