

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: P1067626

Luminaire Tested: **NAV-SA6B-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067626
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6B-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 6xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23387.6 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 211
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

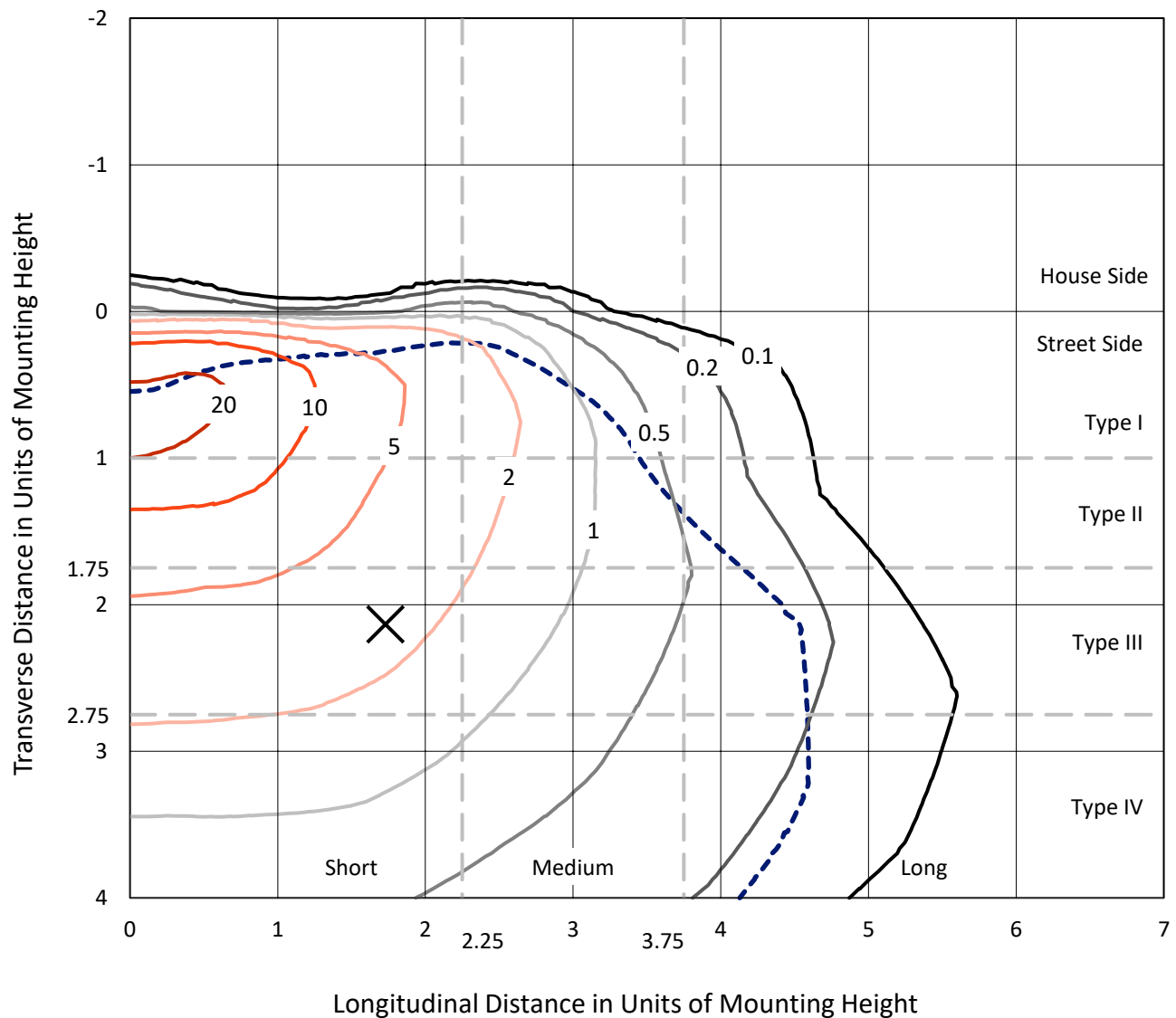


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

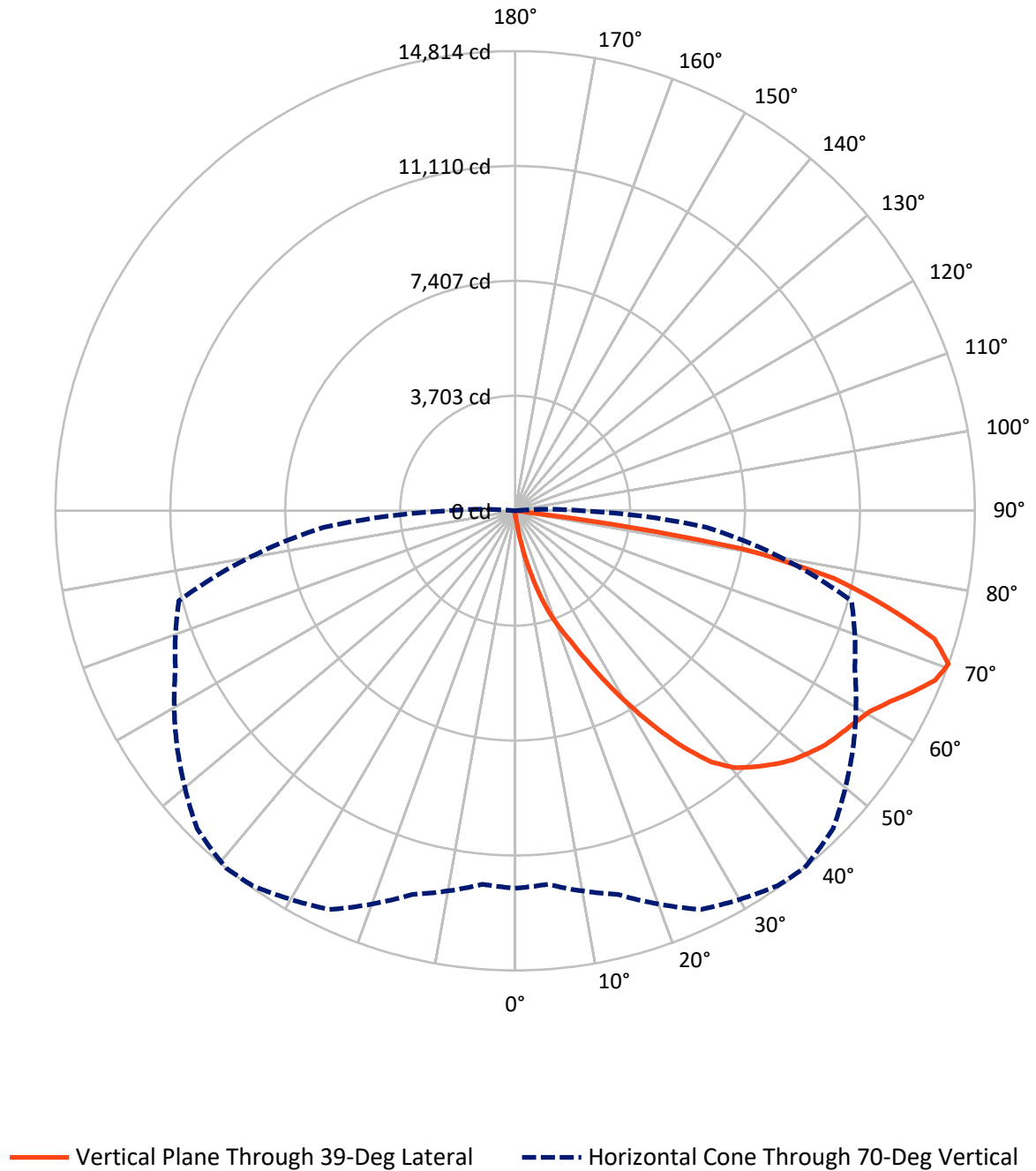


Based on 15 foot mounting height. Maximum calculated value = 25.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	72.0	0.0	72.0
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	23315.6	0.0	23315.6
	% Fixture	99.7	0.0	99.7
Total	Lumens	23387.6	0.0	23387.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	0.1
10°-20°	287.5	1.2
20°-30°	975.7	4.2
30°-40°	2293.1	9.8
40°-50°	3723.5	15.9
50°-60°	4718.4	20.2
60°-70°	5993.6	25.6
70°-80°	4869.8	20.8
80°-90°	501.4	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°	23387.6	100.0
0°-180°	23387.6	100.0



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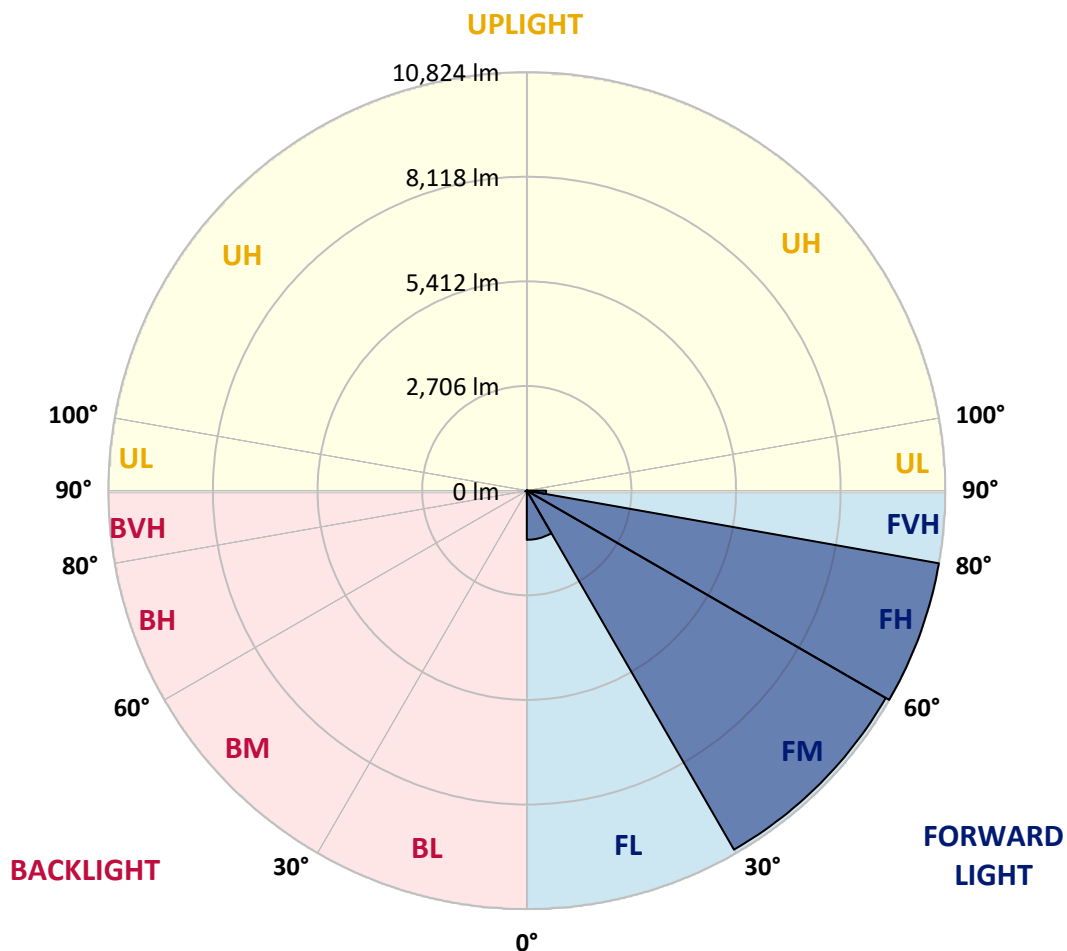
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1272.2	5.4			
FM	(30°-60°)	10721.1	45.8			
FH	(60°-80°)	10823.8	46.3			G4/12000
FVH	(80°-90°)	498.4	2.1			G3/500
BL	(0°-30°)	15.6	0.1	B0/110		
BM	(30°-60°)	13.8	0.1	B0/220		
BH	(60°-80°)	39.6	0.2	B0/110		G0/110
BVH	(80°-90°)	3.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	165.1	165.1	165.1	158.7	158.7	152.4	152.4	146.0	139.7	139.7	133.3
5°	311.1	317.5	298.4	260.3	234.9	222.2	209.5	177.8	158.7	146.0	133.3
7.5°	850.9	825.5	787.4	660.4	508.0	431.8	368.3	260.3	190.5	152.4	133.3
10°	1790.6	1720.8	1612.8	1441.4	1142.9	1022.3	793.7	476.2	266.7	171.4	133.3
12.5°	2628.8	2641.5	2508.1	2343.0	1981.1	1777.9	1466.8	895.3	419.1	203.2	133.3
15°	3263.7	3251.0	3200.2	3066.9	2743.1	2546.2	2266.8	1504.9	704.8	254.0	139.7
17.5°	3765.4	3714.6	3695.5	3638.4	3428.8	3320.9	3016.1	2216.0	1117.5	342.9	146.0
20°	4267.0	4254.3	4235.2	4171.7	4032.0	3955.8	3720.9	2933.5	1663.6	488.9	158.7
22.5°	4997.2	4927.3	4940.0	4800.3	4686.1	4552.7	4362.2	3695.5	2292.2	698.5	177.8
25°	5854.4	5848.0	5746.4	5683.0	5492.5	5346.4	5092.4	4432.1	2990.7	1009.6	196.8
27.5°	6864.0	6794.1	6749.7	6641.8	6444.9	6279.8	5930.6	5162.3	3746.3	1358.8	222.2
30°	7918.0	7918.0	7835.5	7670.4	7479.9	7276.7	6921.1	5930.6	4495.6	1803.3	254.0
32.5°	9149.9	9175.3	8972.1	8724.4	8476.8	8337.1	7873.6	6800.5	5213.1	2311.3	292.1
35°	10343.6	10311.9	9975.3	9702.3	9518.2	9365.8	8972.1	7752.9	6025.8	2901.8	342.9
37.5°	11486.5	11404.0	10845.2	10457.9	10375.4	10273.8	9880.1	8705.4	6832.2	3555.8	406.4
40°	12305.7	12178.7	11600.8	11067.5	10946.8	10889.7	10584.9	9568.9	7683.1	4286.0	488.9
42.5°	12661.2	12515.2	12115.2	11683.4	11416.7	11283.4	11016.7	10273.8	8534.0	5098.8	609.6
45°	12731.1	12616.8	12331.1	12229.5	11867.5	11664.3	11302.4	10775.4	9327.7	5905.2	774.7
47.5°	12477.1	12426.3	12254.9	12470.7	12286.6	12007.2	11569.1	11150.0	10032.5	6883.0	1003.2
50°	11854.8	11816.7	11899.3	12464.4	12591.4	12273.9	11861.2	11442.1	10642.0	7892.6	1327.1
52.5°	11016.7	11010.3	11397.7	12299.3	12724.7	12527.9	12146.9	11734.2	11124.6	8870.5	1784.3
55°	10102.3	10210.3	10889.7	12146.9	12800.9	12712.0	12426.3	11994.5	11556.4	9778.5	2520.8
57.5°	10026.1	9981.7	10635.7	12083.4	12845.4	12896.2	12705.7	12267.6	11924.7	10521.4	3505.0
60°	10788.1	10686.5	10934.1	12216.8	13042.2	13131.1	12985.1	12477.1	12293.0	11105.6	4800.3
62.5°	11670.7	11575.4	11702.4	12731.1	13429.5	13556.5	13372.4	12693.0	12591.4	11511.9	6190.9
65°	12375.5	12299.3	12540.6	13499.4	13969.3	14077.2	13950.2	13093.0	12724.7	11842.1	7321.2
67.5°	12489.8	12394.6	12896.2	14013.7	14515.3	14591.5	14489.9	13480.3	12680.3	11867.5	7581.5
70°	12166.0	12083.4	12800.9	14178.8	14750.3	14813.8	14489.9	13296.2	12077.1	11219.9	6197.3
72.5°	11169.1	11232.6	12159.6	13778.8	14426.4	14134.4	13448.6	12369.2	11296.1	9511.8	4349.5
75°	9619.7	9689.6	10921.4	12680.3	12731.1	12375.5	12007.2	11378.6	10108.7	6267.1	3016.1
77.5°	6838.6	6591.0	8432.4	10470.6	10286.5	10515.0	10546.8	9467.4	8464.1	3263.7	2019.2
80°	673.1	571.5	1060.4	3003.4	6635.4	7416.4	7721.2	7295.8	6241.7	1460.4	1060.4
82.5°	146.0	146.0	158.7	171.4	266.7	400.0	1835.1	4495.6	4032.0	742.9	342.9
85°	82.5	82.5	101.6	120.6	158.7	177.8	209.5	279.4	1085.8	266.7	63.5
87.5°	63.5	69.8	82.5	101.6	133.3	146.0	177.8	222.2	273.0	247.6	19.0
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°	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
2.5°	133.3	127.0	120.6	114.3	107.9	107.9	101.6	101.6	101.6	101.6	101.6
5°	127.0	120.6	114.3	101.6	95.2	88.9	82.5	82.5	82.5	82.5	82.5
7.5°	127.0	120.6	107.9	95.2	82.5	76.2	69.8	63.5	63.5	69.8	69.8
10°	127.0	114.3	95.2	82.5	69.8	63.5	57.1	50.8	50.8	50.8	50.8
12.5°	120.6	107.9	88.9	76.2	63.5	50.8	38.1	31.7	31.7	31.7	31.7
15°	114.3	101.6	82.5	63.5	44.4	31.7	25.4	19.0	19.0	19.0	19.0
17.5°	114.3	95.2	76.2	57.1	31.7	19.0	12.7	6.3	6.3	6.3	12.7
20°	114.3	95.2	69.8	44.4	19.0	12.7	12.7	6.3	0.0	6.3	6.3
22.5°	114.3	88.9	57.1	31.7	19.0	12.7	6.3	0.0	0.0	0.0	0.0
25°	120.6	88.9	50.8	25.4	12.7	6.3	0.0	0.0	0.0	0.0	0.0
27.5°	120.6	82.5	44.4	19.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	127.0	82.5	38.1	12.7	6.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	127.0	76.2	25.4	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	127.0	69.8	19.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	127.0	63.5	19.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	133.3	57.1	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	139.7	50.8	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	146.0	44.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	165.1	44.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	190.5	44.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	228.6	44.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	298.4	38.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	431.8	38.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	723.9	38.1	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1269.9	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2146.2	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2800.2	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2127.1	38.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1015.9	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	450.8	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	196.8	19.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.2	12.7	6.3	6.3	6.3	6.3	0.0	0.0	0.0	0.0	0.0
82.5°	31.7	12.7	6.3	6.3	6.3	6.3	0.0	0.0	0.0	0.0	0.0
85°	19.0	12.7	12.7	12.7	6.3	6.3	6.3	0.0	0.0	0.0	0.0
87.5°	12.7	12.7	12.7	12.7	12.7	6.3	6.3	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

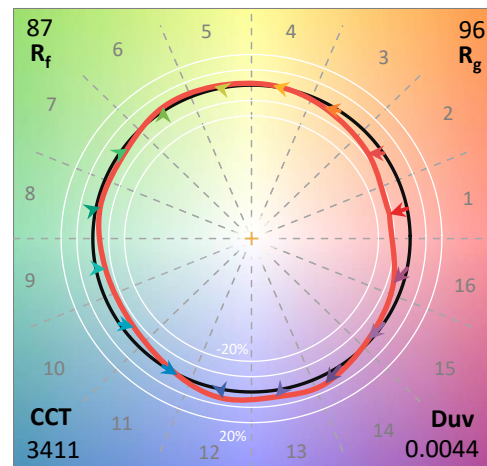
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 Rf: 86.6
 Rg: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

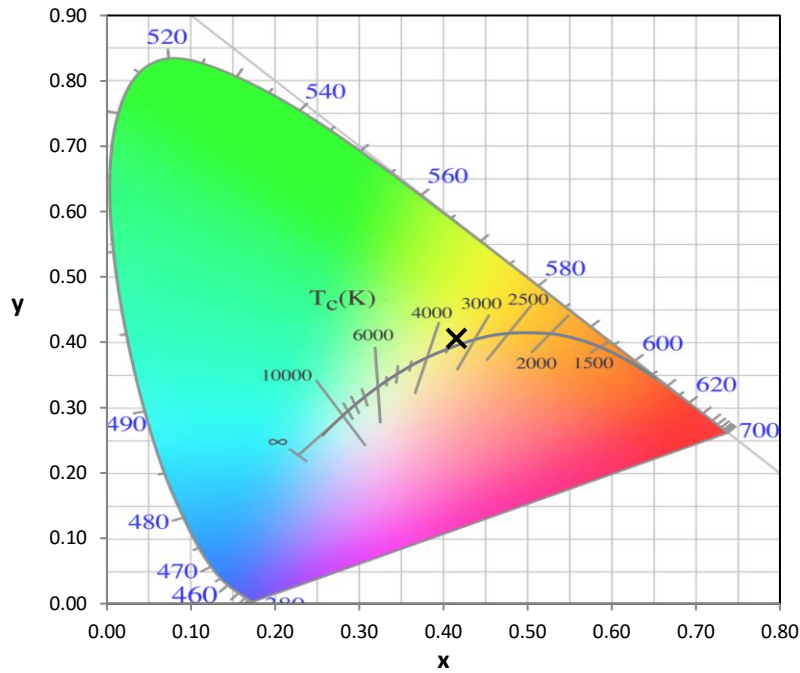
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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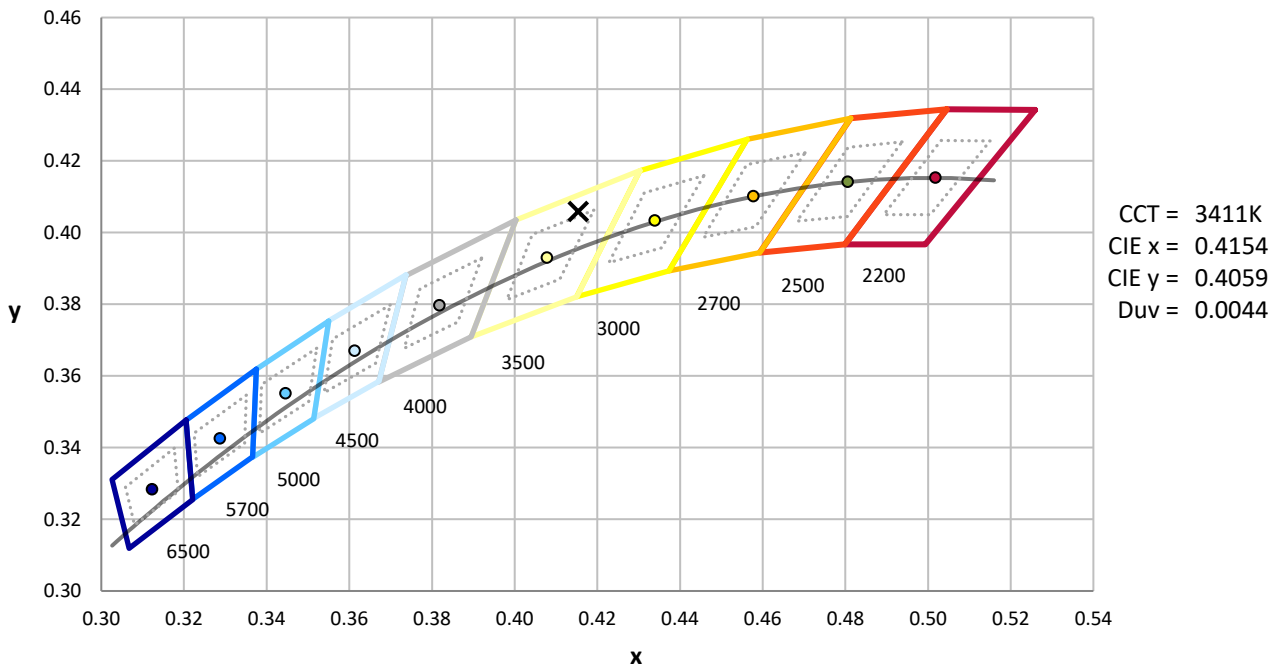
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



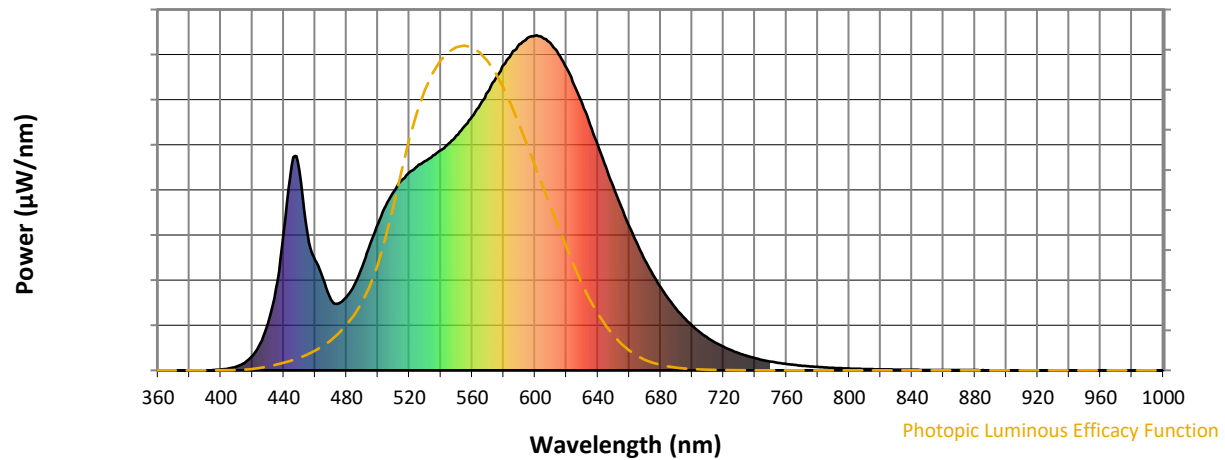
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

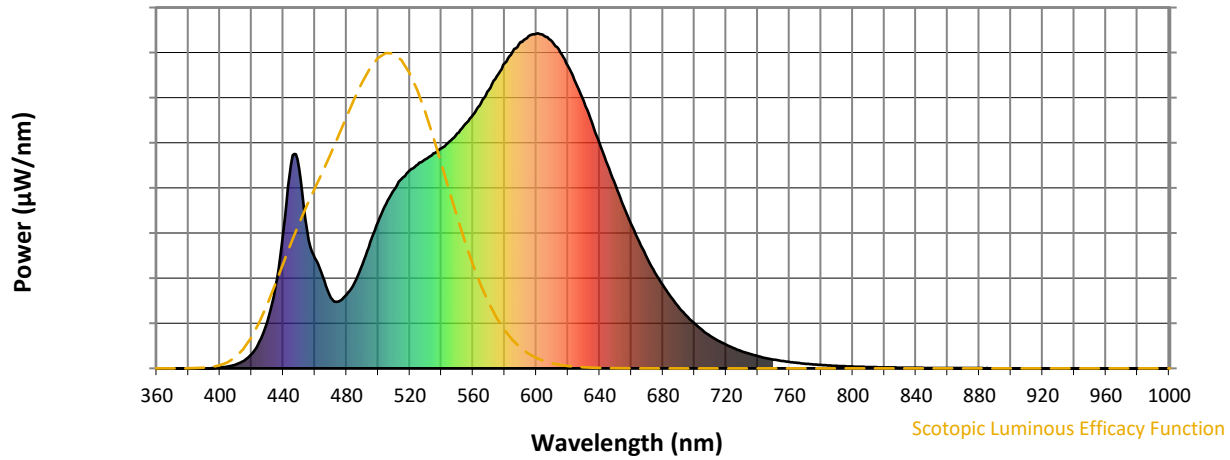


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



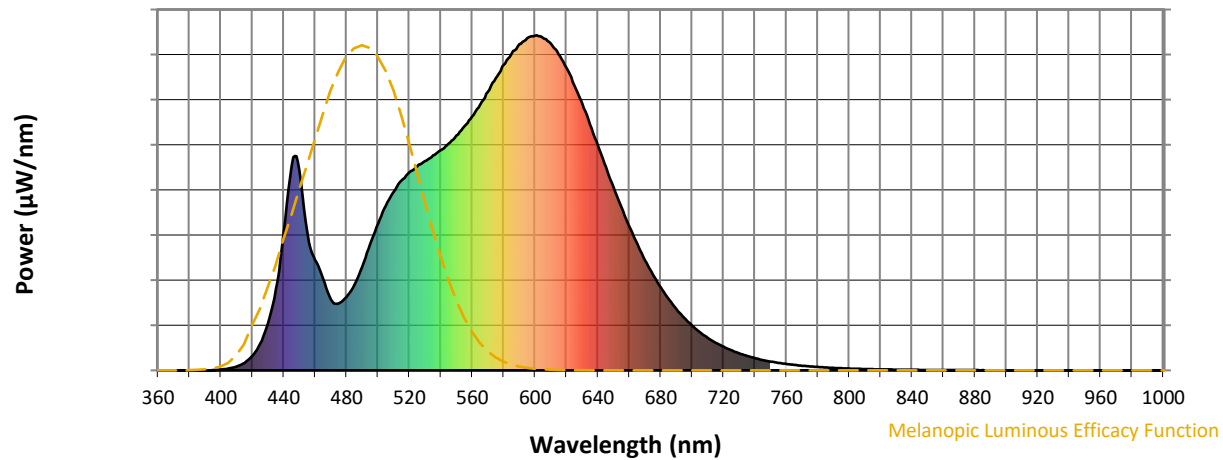
Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

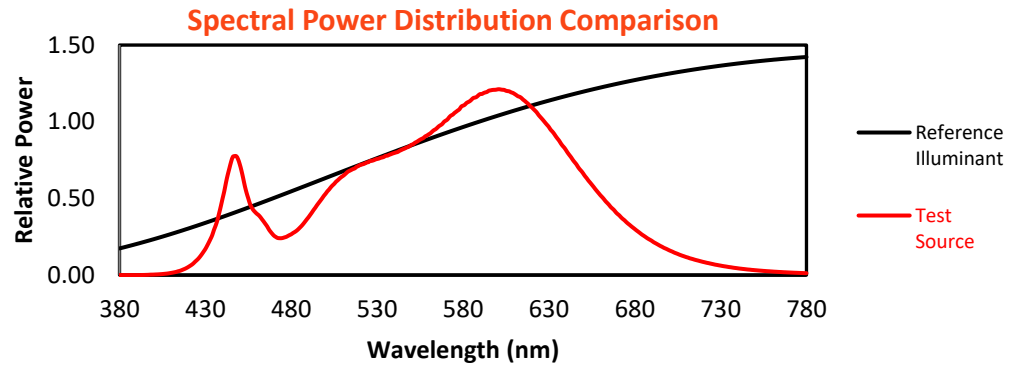
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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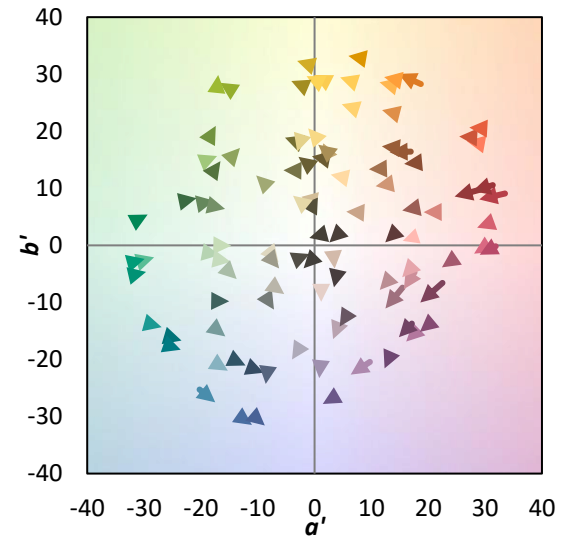
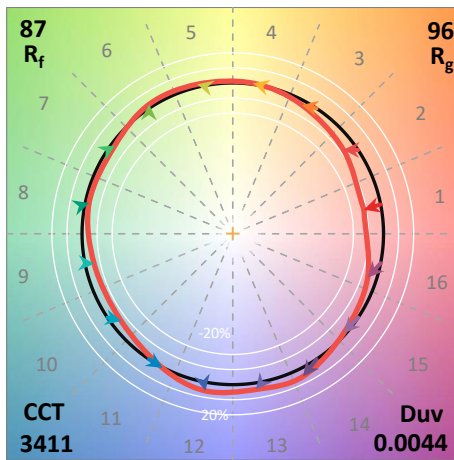
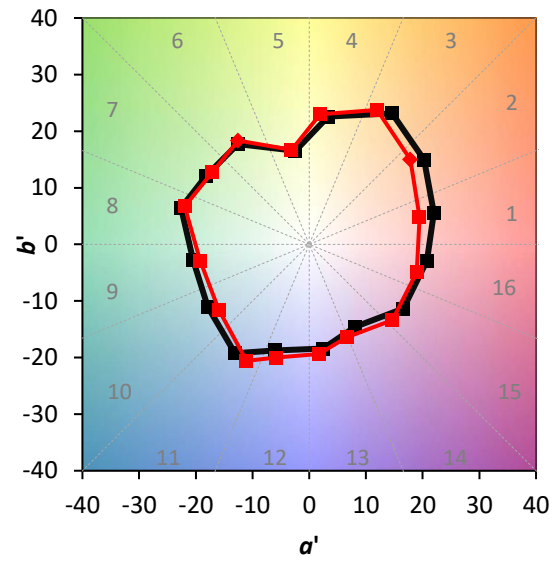
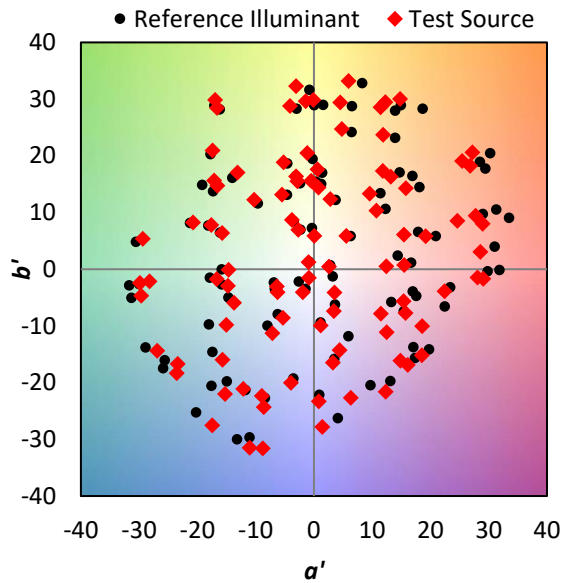
TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$

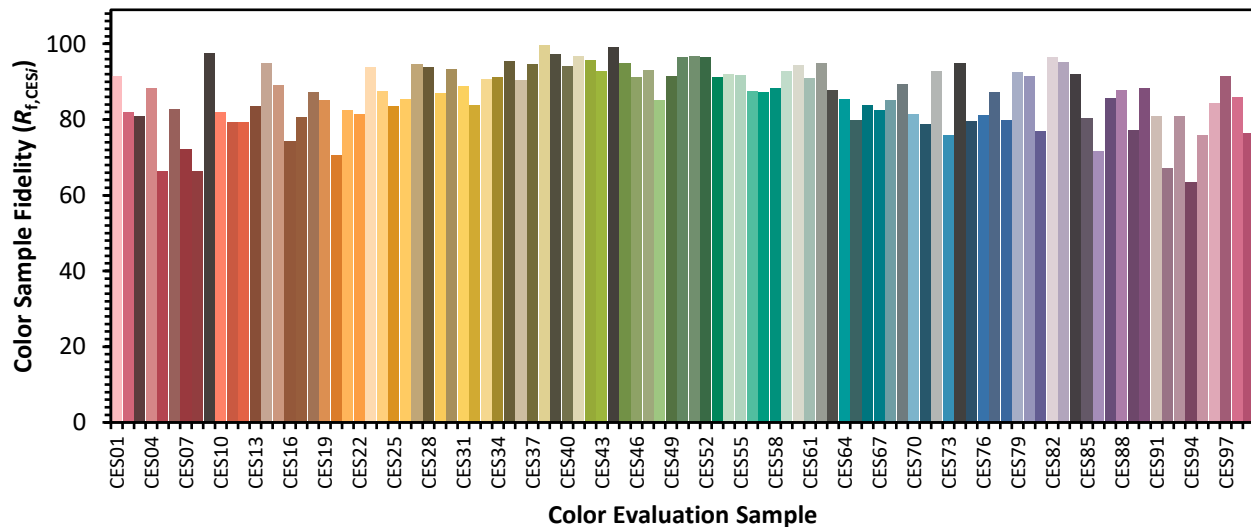


Color Vector Graphics

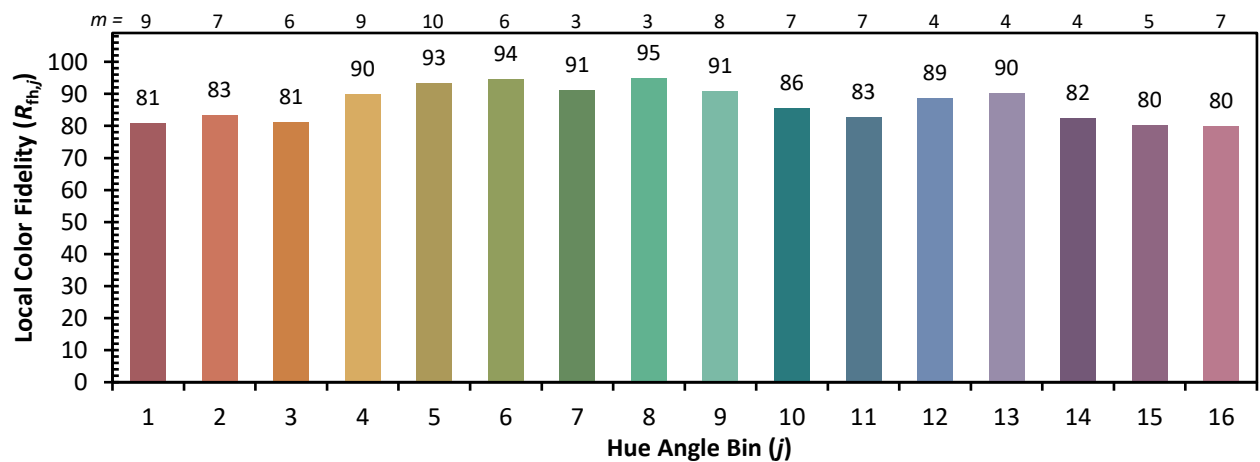
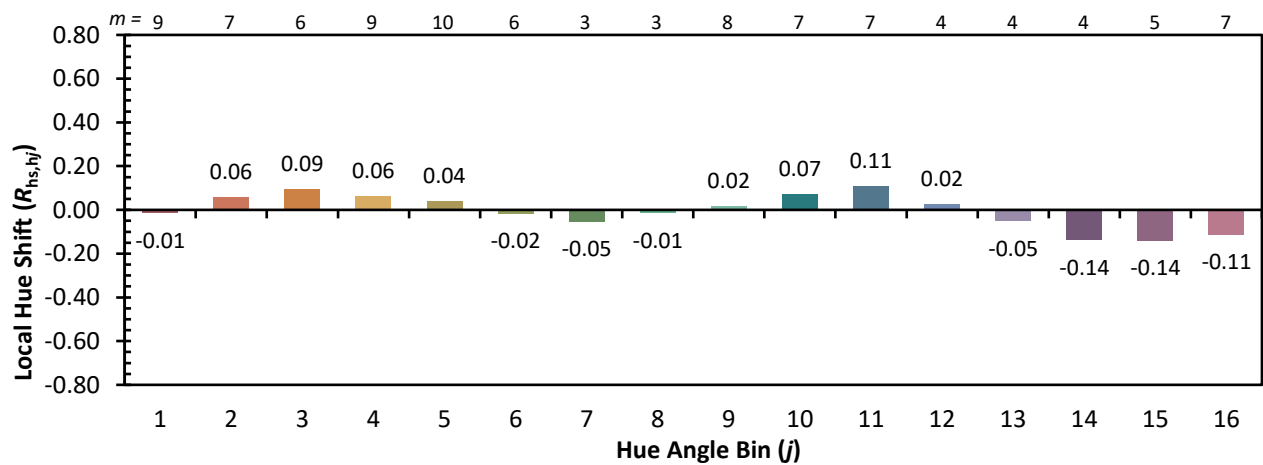
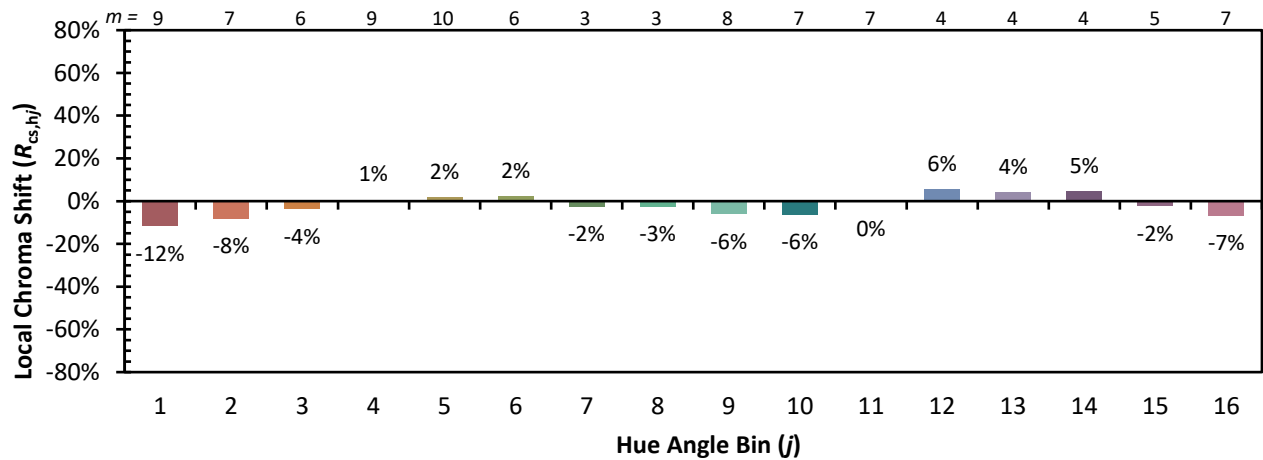


Individual Sample Fidelity Index ($R_{f,i}$)

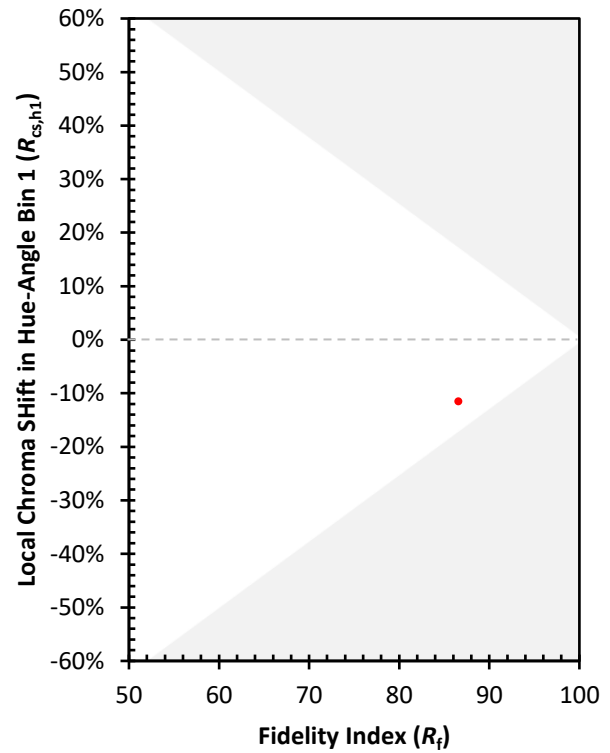
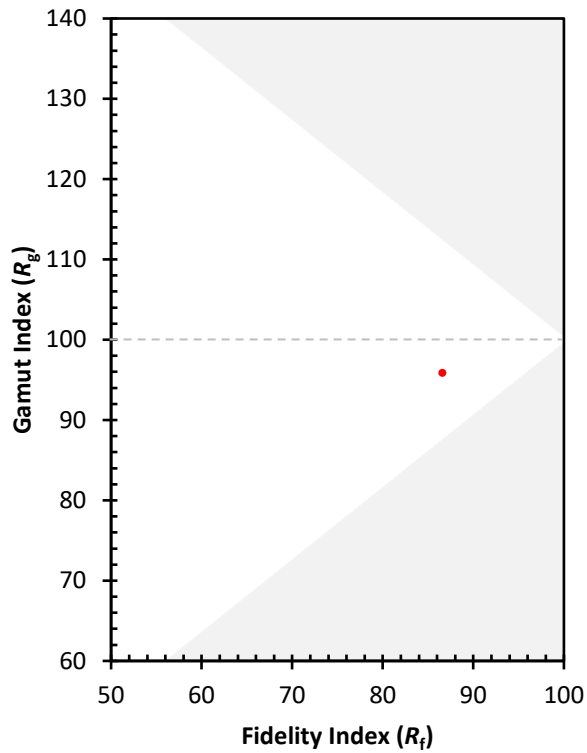
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)