

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: P1067378

Luminaire Tested: **NAV-SA4B-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067378
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15208.2 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 144.1
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

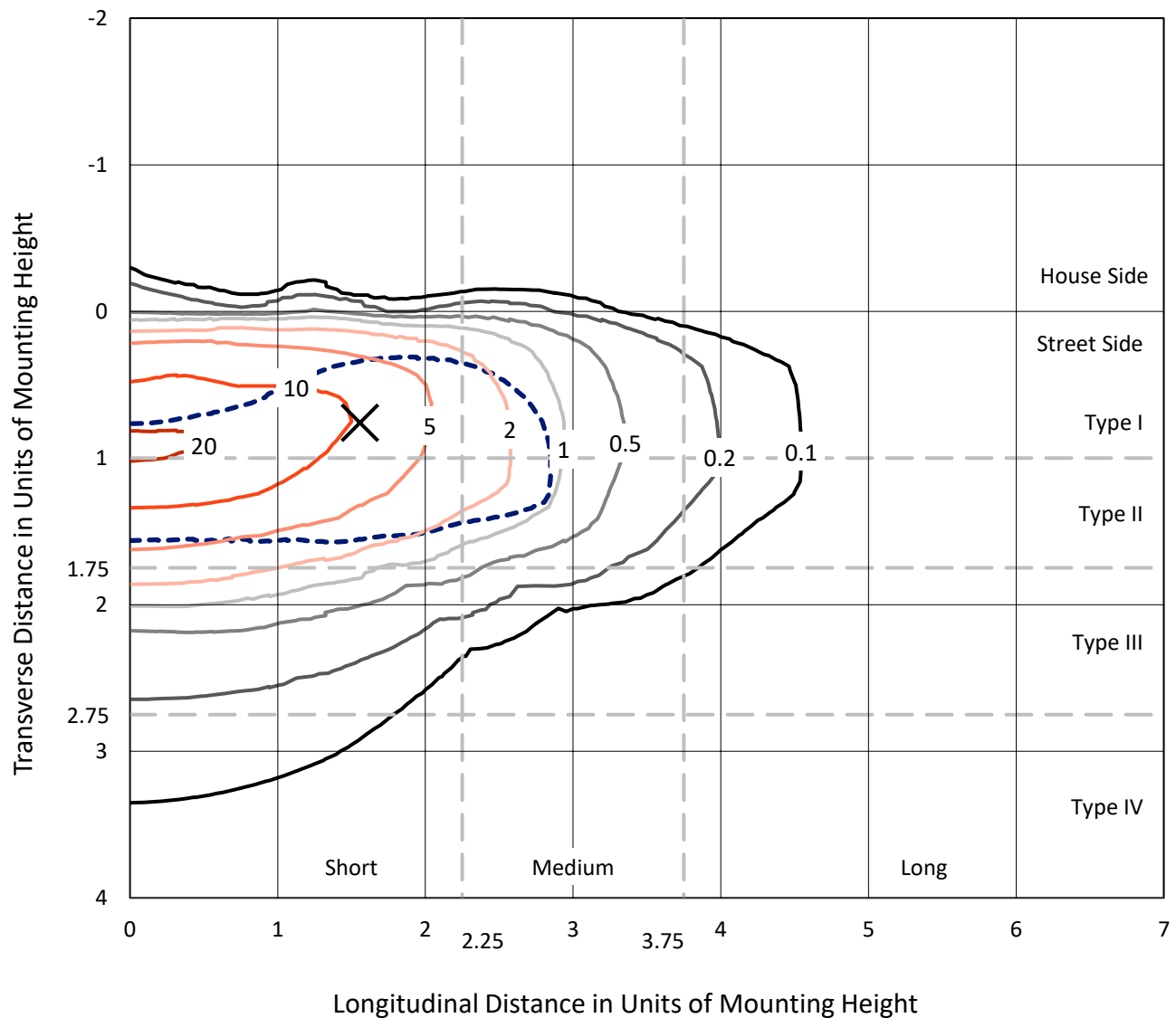


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

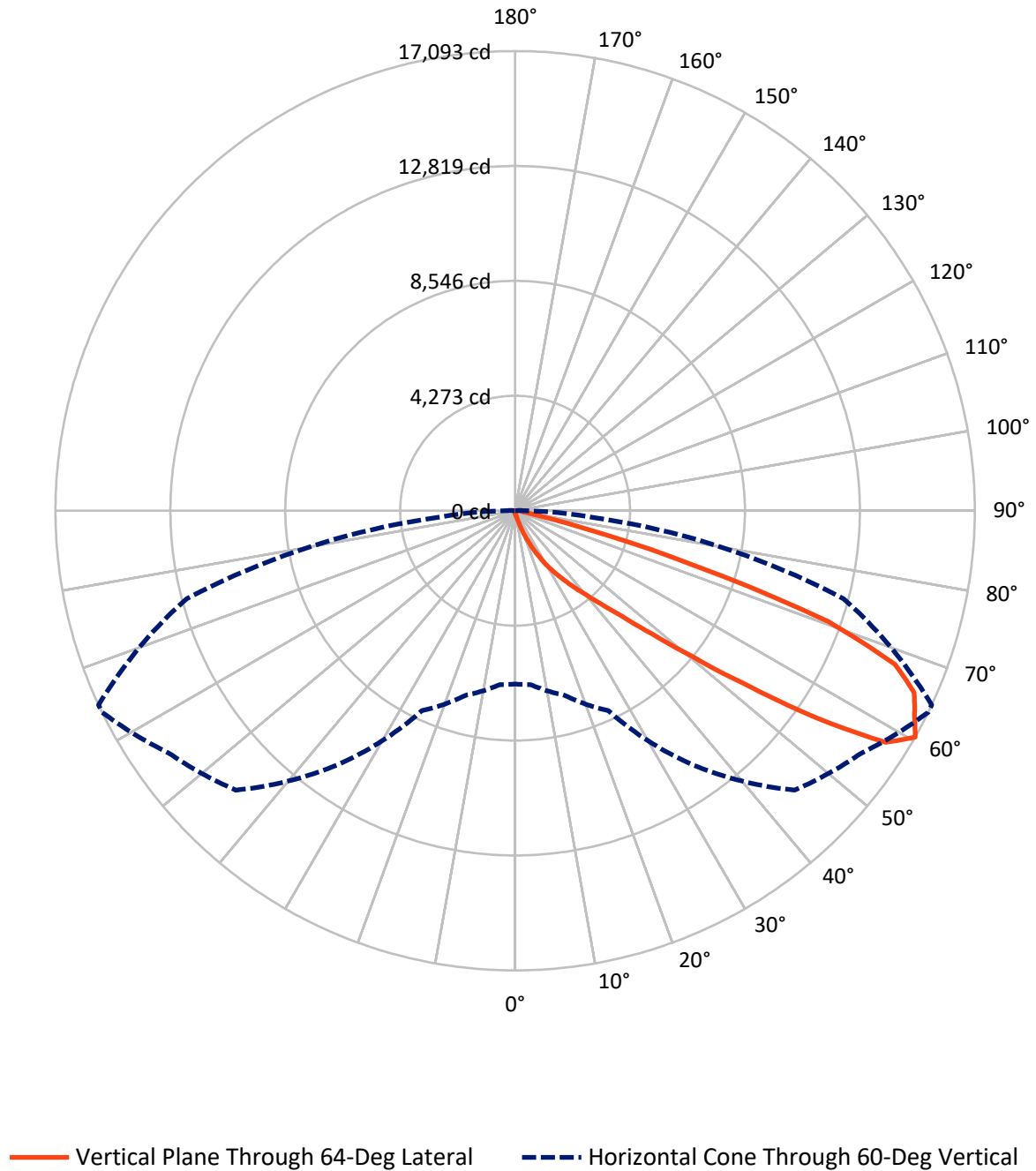


Based on 15 foot mounting height. Maximum calculated value = 21.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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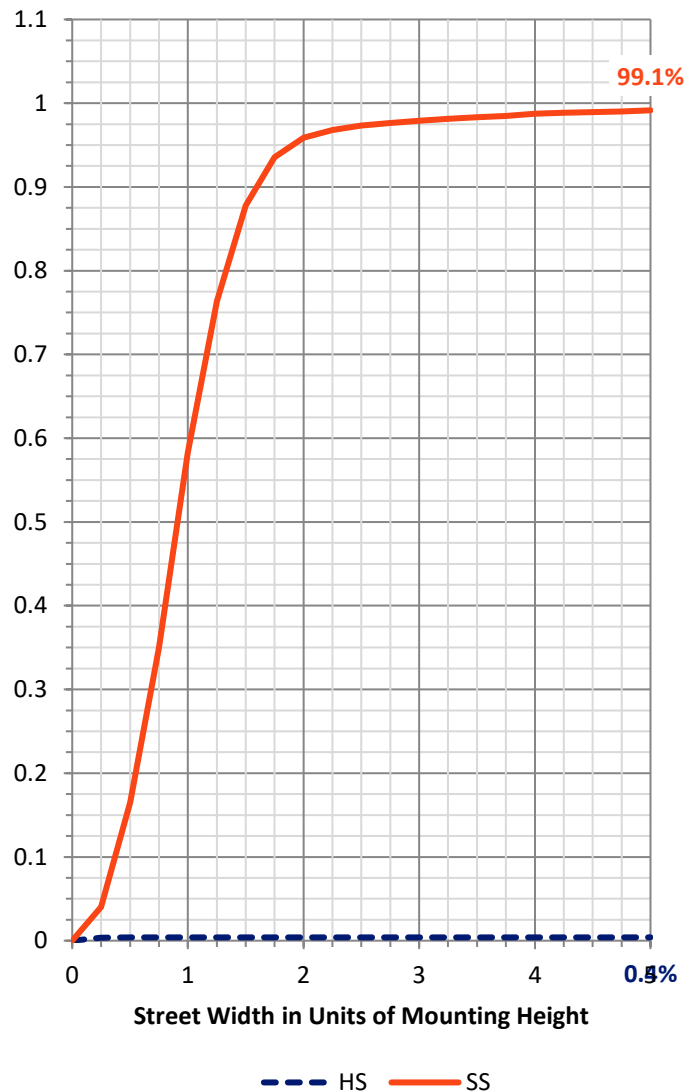
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	61.7	0.0	61.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15146.6	0.0	15146.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	15208.2	0.0	15208.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.1
10°-20°	149.5	1.0
20°-30°	496.4	3.3
30°-40°	1324.4	8.7
40°-50°	3366.4	22.1
50°-60°	4907.5	32.3
60°-70°	3790.5	24.9
70°-80°	1040.9	6.8
80°-90°	117.5	0.8
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°	15208.2	100.0
0°-180°	15208.2	100.0



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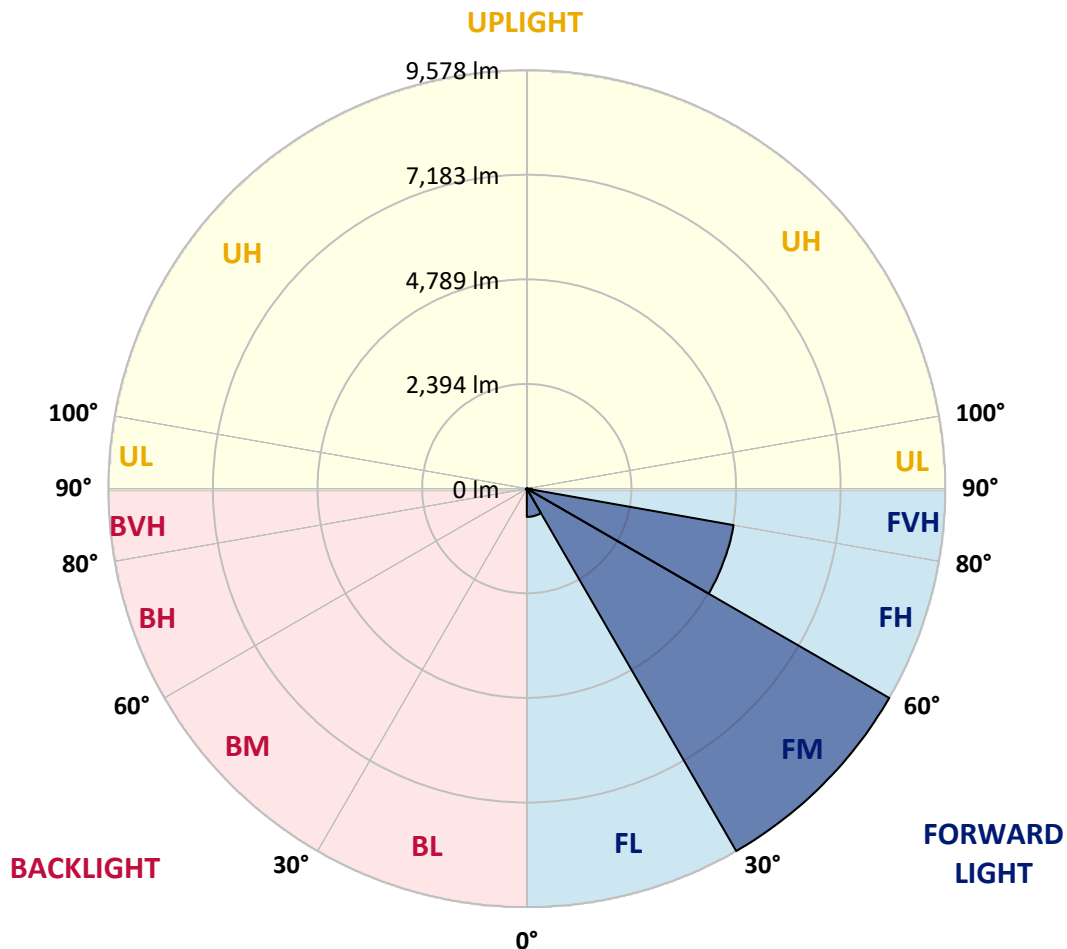
CATALOG NUMBER: NAV-SA4B-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	647.1	4.3			
FM	(30°-60°)	9577.8	63.0			
FH	(60°-80°)	4806.9	31.6			G2/5000
FVH	(80°-90°)	114.7	0.8			G2/225
BL	(0°-30°)	13.9	0.1	B0/110		
BM	(30°-60°)	20.4	0.1	B0/220		
BH	(60°-80°)	24.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5
2.5°	134.0	134.0	134.0	129.8	125.6	125.6	121.4	117.2	117.2	108.8	104.7
5°	205.1	205.1	196.8	188.4	175.8	159.1	142.3	129.8	129.8	117.2	108.8
7.5°	401.9	414.4	376.8	330.7	267.9	226.1	180.0	150.7	146.5	125.6	108.8
10°	870.7	862.4	803.8	690.7	544.2	393.5	251.2	184.2	175.8	134.0	108.8
12.5°	1310.3	1322.9	1260.1	1134.5	958.7	699.1	431.2	238.6	230.2	146.5	108.8
15°	1687.1	1687.1	1645.2	1582.4	1389.8	1117.7	694.9	355.8	326.5	159.1	104.7
17.5°	1946.6	1942.4	1925.7	1908.9	1795.9	1515.4	1063.3	569.3	502.4	188.4	104.7
20°	2239.7	2227.1	2248.0	2214.5	2126.6	1904.8	1452.6	845.6	782.8	238.6	104.7
22.5°	2545.3	2557.8	2574.6	2541.1	2444.8	2252.2	1862.9	1201.5	1134.5	330.7	108.8
25°	2934.6	2926.2	2963.9	2934.6	2813.2	2587.1	2248.0	1590.8	1494.5	460.5	117.2
27.5°	3411.8	3395.1	3420.2	3344.8	3185.8	2955.5	2591.3	1988.5	1875.5	661.4	134.0
30°	4043.9	4056.5	3943.5	3855.6	3629.5	3323.9	2972.3	2415.5	2298.3	900.0	150.7
32.5°	5040.3	4952.4	4776.5	4420.7	4123.5	3734.2	3353.2	2788.1	2683.4	1205.6	175.8
35°	6593.4	6610.1	6225.0	5345.9	4701.2	4249.1	3771.8	3198.3	3123.0	1553.1	209.3
37.5°	8485.6	8439.5	8100.4	6991.1	5546.8	4889.6	4249.1	3646.2	3537.4	1929.9	251.2
40°	10628.9	10436.4	10239.6	9486.1	7309.2	5693.3	4851.9	4165.3	4081.6	2365.2	318.2
42.5°	12345.3	12295.1	12328.6	12014.6	10248.0	7062.2	5651.5	4801.7	4701.2	2905.3	435.4
45°	13190.9	13119.8	13320.7	13555.2	13103.0	9975.9	6940.8	5613.8	5479.8	3541.6	615.4
47.5°	12964.9	12914.7	13345.8	13806.3	14409.2	13354.2	9046.5	6827.8	6597.6	4357.9	883.3
50°	11851.3	11855.5	12563.0	13421.2	14375.7	15066.4	12165.3	8489.8	8200.9	5442.2	1301.9
52.5°	10767.1	10800.6	11549.9	12801.6	13877.5	15267.3	14903.1	10729.4	10260.6	6719.0	1795.9
55°	9653.5	9670.3	10331.7	12094.1	13643.1	14668.7	16309.7	13613.8	13115.6	8309.8	2277.3
57.5°	8581.9	8581.9	8828.9	10394.5	13387.7	14614.3	16142.3	16251.1	15845.0	10126.6	2633.2
60°	6446.9	6488.7	7104.1	8200.9	11545.7	14693.8	15715.3	17092.6	17092.6	12646.7	2905.3
62.5°	3256.9	3319.7	4085.8	5153.3	7920.4	13597.0	15782.3	16669.7	16736.7	14869.6	3524.8
65°	1528.0	1599.2	2009.4	2762.9	4261.6	9569.8	15087.3	16309.7	16288.8	14446.8	4831.0
67.5°	1096.8	1117.7	1255.9	1611.7	2294.1	4194.6	11516.4	15233.8	15242.2	12274.2	5555.2
70°	983.8	983.8	1017.3	1121.9	1381.5	1875.5	5597.0	12336.9	12935.6	9477.7	5149.1
72.5°	971.2	962.8	954.5	958.7	933.5	941.9	1921.5	6966.0	7820.0	6631.1	4106.7
75°	946.1	946.1	937.7	908.4	745.2	607.0	661.4	2817.4	3256.9	4429.1	3047.6
77.5°	749.3	824.7	912.6	858.2	682.4	456.3	385.1	816.3	1029.8	2716.9	2210.4
80°	347.5	351.6	347.5	364.2	435.4	326.5	284.7	397.7	401.9	1507.1	1368.9
82.5°	251.2	255.4	242.8	217.7	192.6	175.8	234.4	293.0	314.0	690.7	510.7
85°	75.4	71.2	83.7	113.0	134.0	154.9	196.8	247.0	259.5	255.4	75.4
87.5°	33.5	33.5	41.9	58.6	79.5	117.2	171.6	226.1	230.2	263.7	20.9
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°	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5
2.5°	104.7	100.5	96.3	92.1	87.9	83.7	79.5	79.5	83.7	83.7	83.7
5°	100.5	96.3	87.9	79.5	75.4	71.2	67.0	67.0	71.2	71.2	71.2
7.5°	100.5	92.1	83.7	75.4	67.0	62.8	58.6	58.6	58.6	62.8	62.8
10°	100.5	92.1	79.5	67.0	58.6	54.4	50.2	46.0	50.2	50.2	50.2
12.5°	96.3	87.9	75.4	62.8	50.2	41.9	37.7	37.7	37.7	37.7	37.7
15°	92.1	83.7	71.2	54.4	41.9	33.5	25.1	25.1	25.1	29.3	29.3
17.5°	87.9	79.5	62.8	41.9	29.3	20.9	16.7	16.7	16.7	20.9	20.9
20°	87.9	75.4	54.4	33.5	20.9	12.6	8.4	8.4	8.4	12.6	16.7
22.5°	87.9	75.4	50.2	25.1	12.6	8.4	4.2	4.2	4.2	4.2	4.2
25°	87.9	71.2	46.0	20.9	8.4	4.2	0.0	0.0	4.2	8.4	12.6
27.5°	87.9	67.0	37.7	12.6	8.4	4.2	0.0	4.2	8.4	8.4	8.4
30°	87.9	67.0	33.5	12.6	4.2	0.0	0.0	4.2	8.4	8.4	12.6
32.5°	92.1	62.8	29.3	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	96.3	58.6	25.1	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	104.7	58.6	16.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	117.2	62.8	16.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	146.5	67.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	205.1	83.7	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	301.4	125.6	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	439.6	171.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	540.0	171.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	535.8	108.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	410.3	75.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	347.5	54.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	418.6	41.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	745.2	37.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1197.3	37.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1339.6	37.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1046.6	33.5	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	573.5	29.3	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	288.9	20.9	8.4	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	121.4	16.7	8.4	4.2	4.2	4.2	0.0	0.0	0.0	0.0	0.0
82.5°	41.9	16.7	8.4	8.4	4.2	4.2	0.0	0.0	0.0	0.0	0.0
85°	20.9	12.6	12.6	8.4	8.4	4.2	4.2	0.0	0.0	0.0	0.0
87.5°	12.6	12.6	12.6	8.4	8.4	4.2	4.2	0.0	0.0	0.0	4.2
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
 R_f: 86.6
 R_g: 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

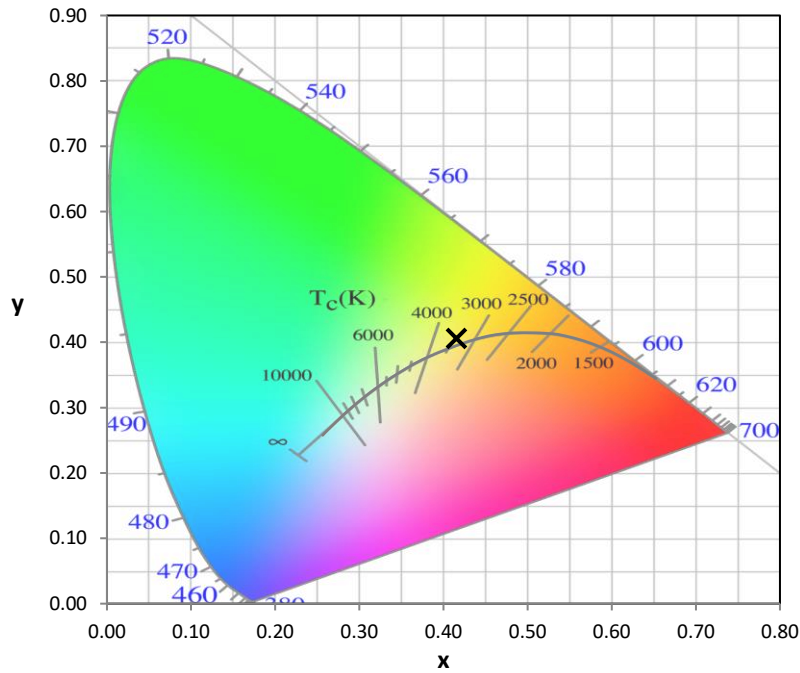
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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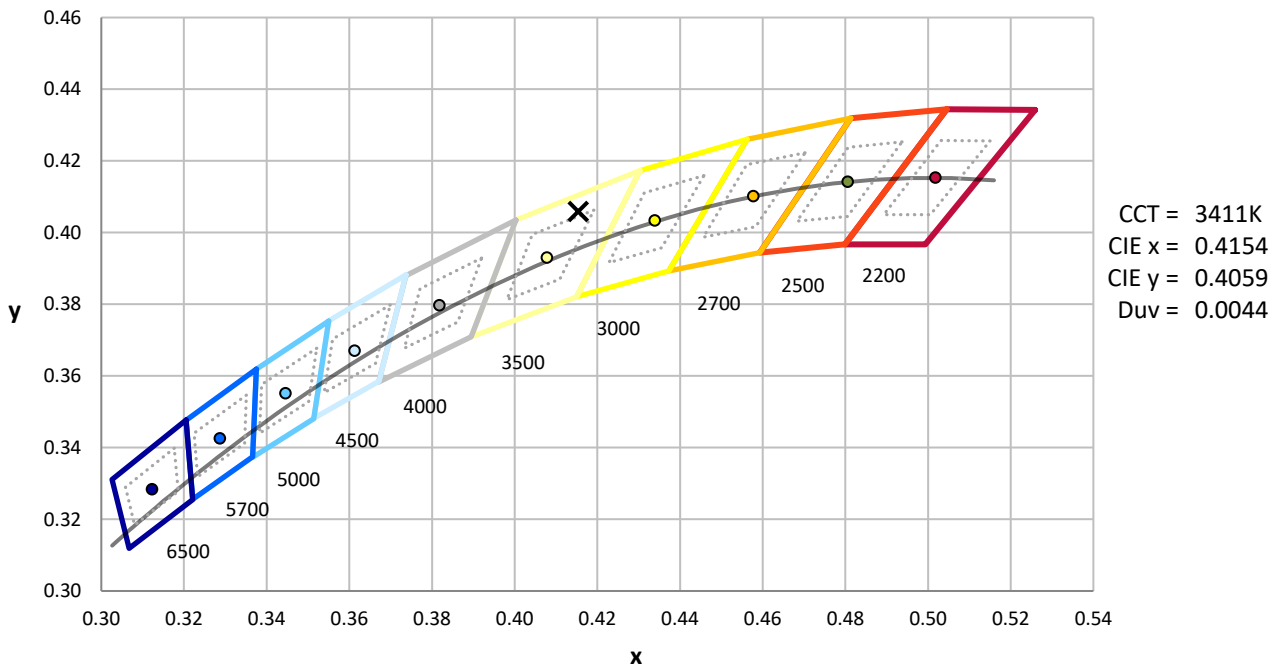
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



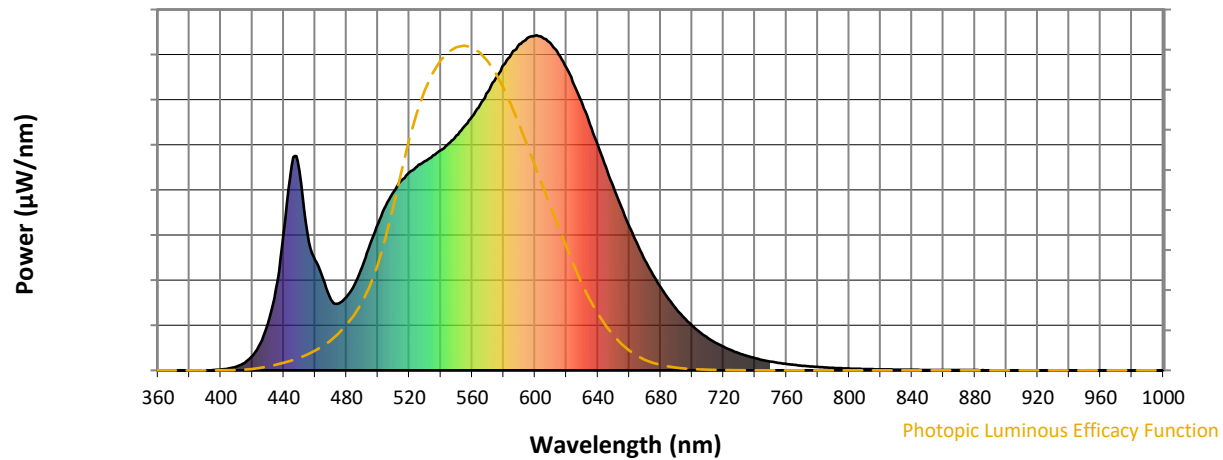
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

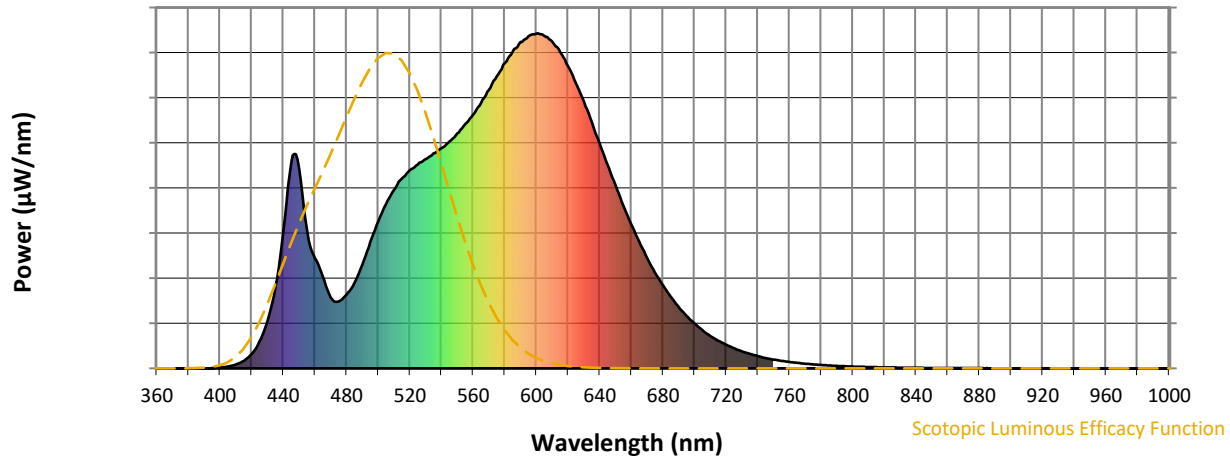


Photopic Lumens: NR

λ (nm)	Power 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	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



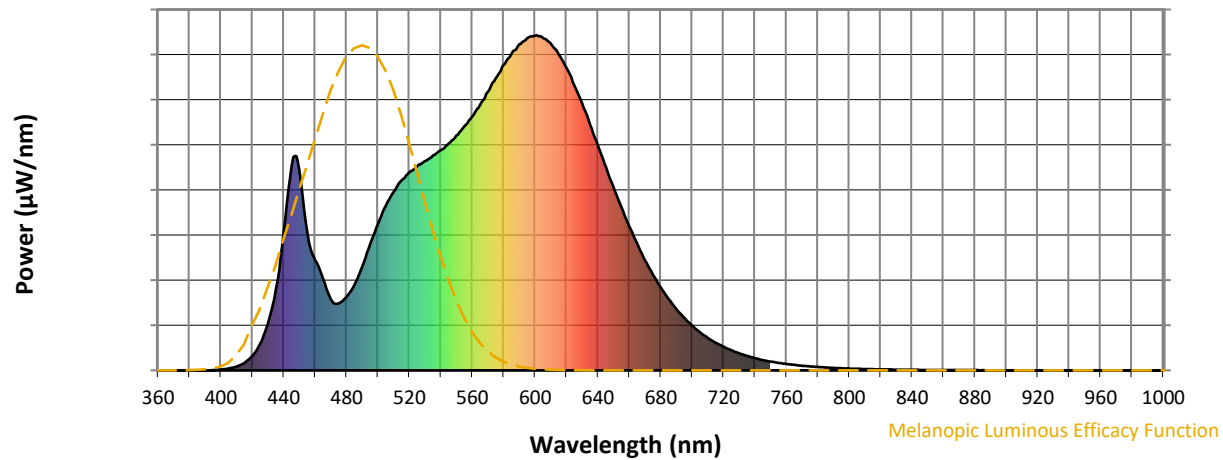
Scotopic Lumens: NR

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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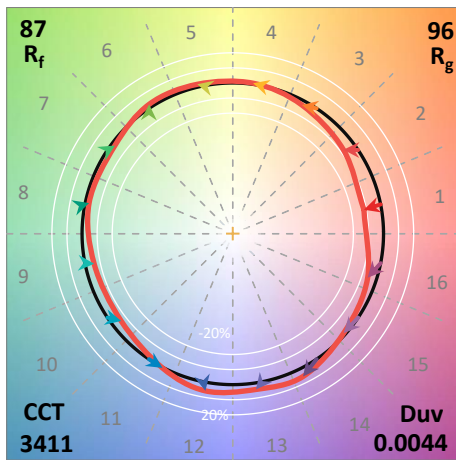
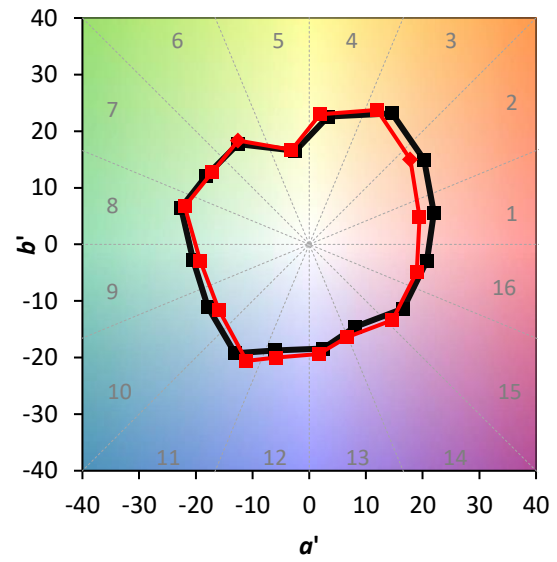
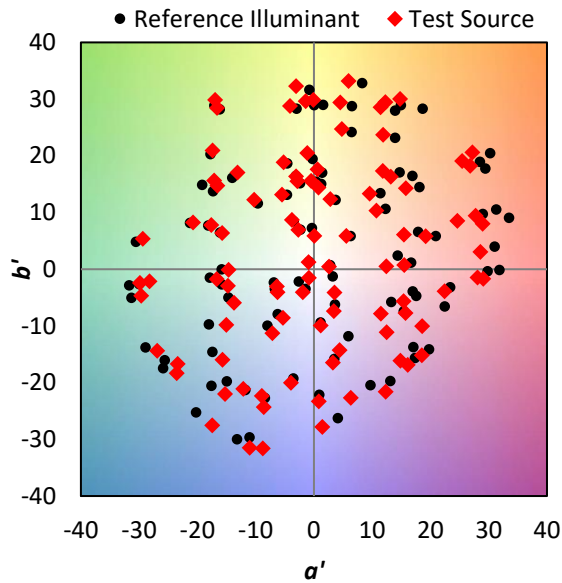
TM-30-18

Summary

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



Color Vector Graphics

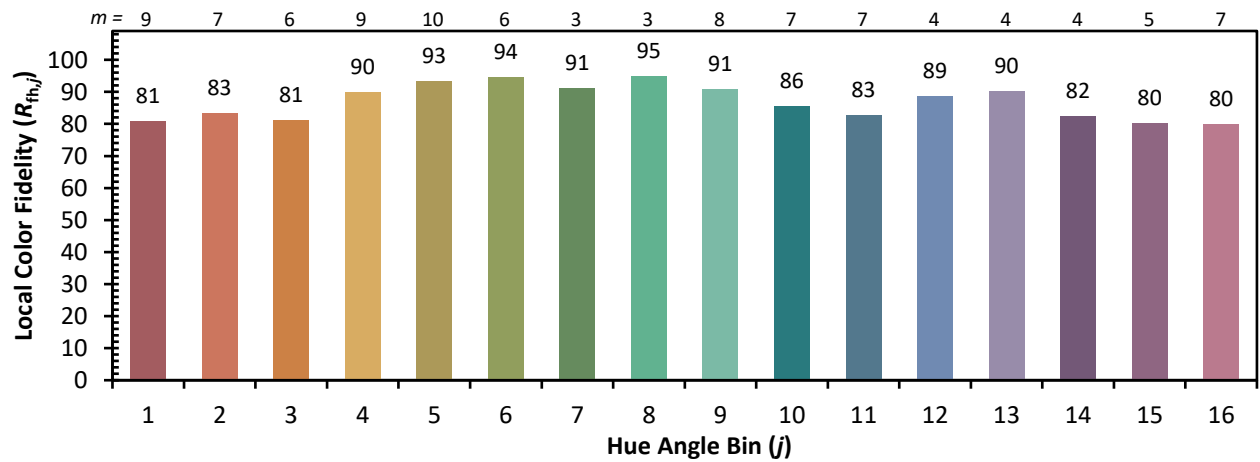
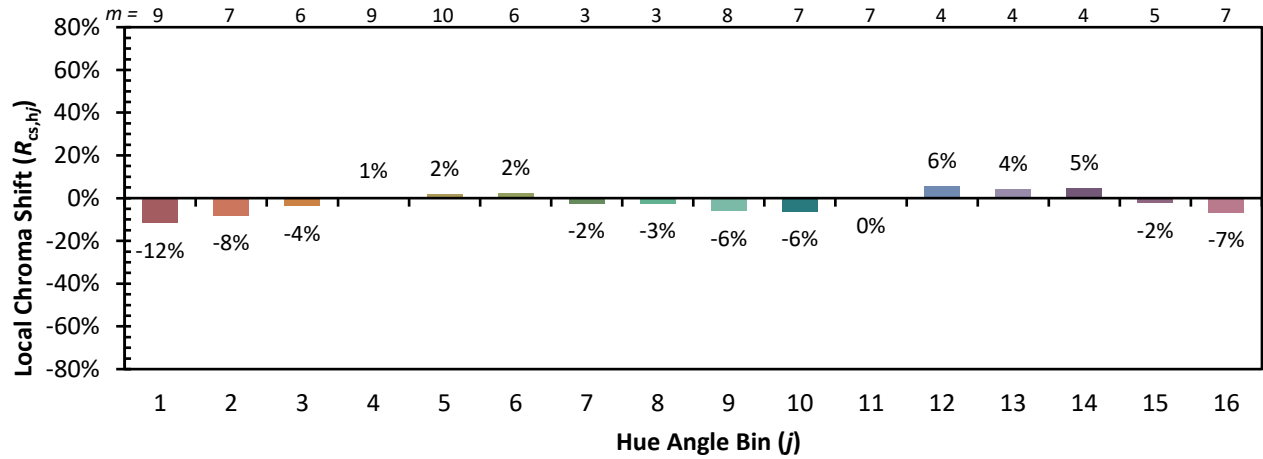


Individual Sample Fidelity Index ($R_{f,i}$)

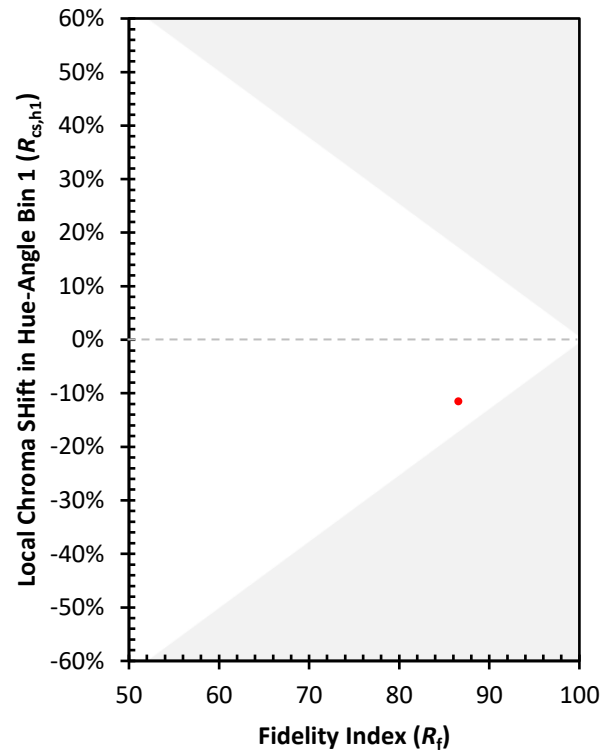
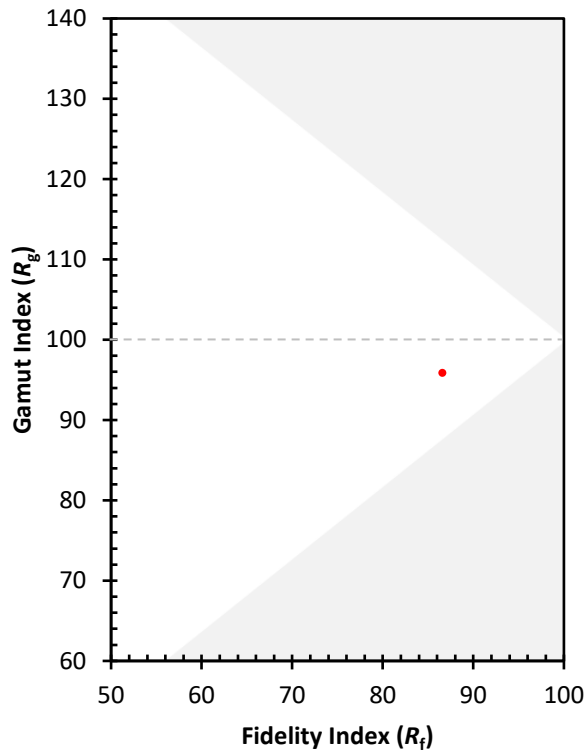
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 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)