

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: P1067373

Luminaire Tested: **NAV-SA3A-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067373
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3A-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9263 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 82
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



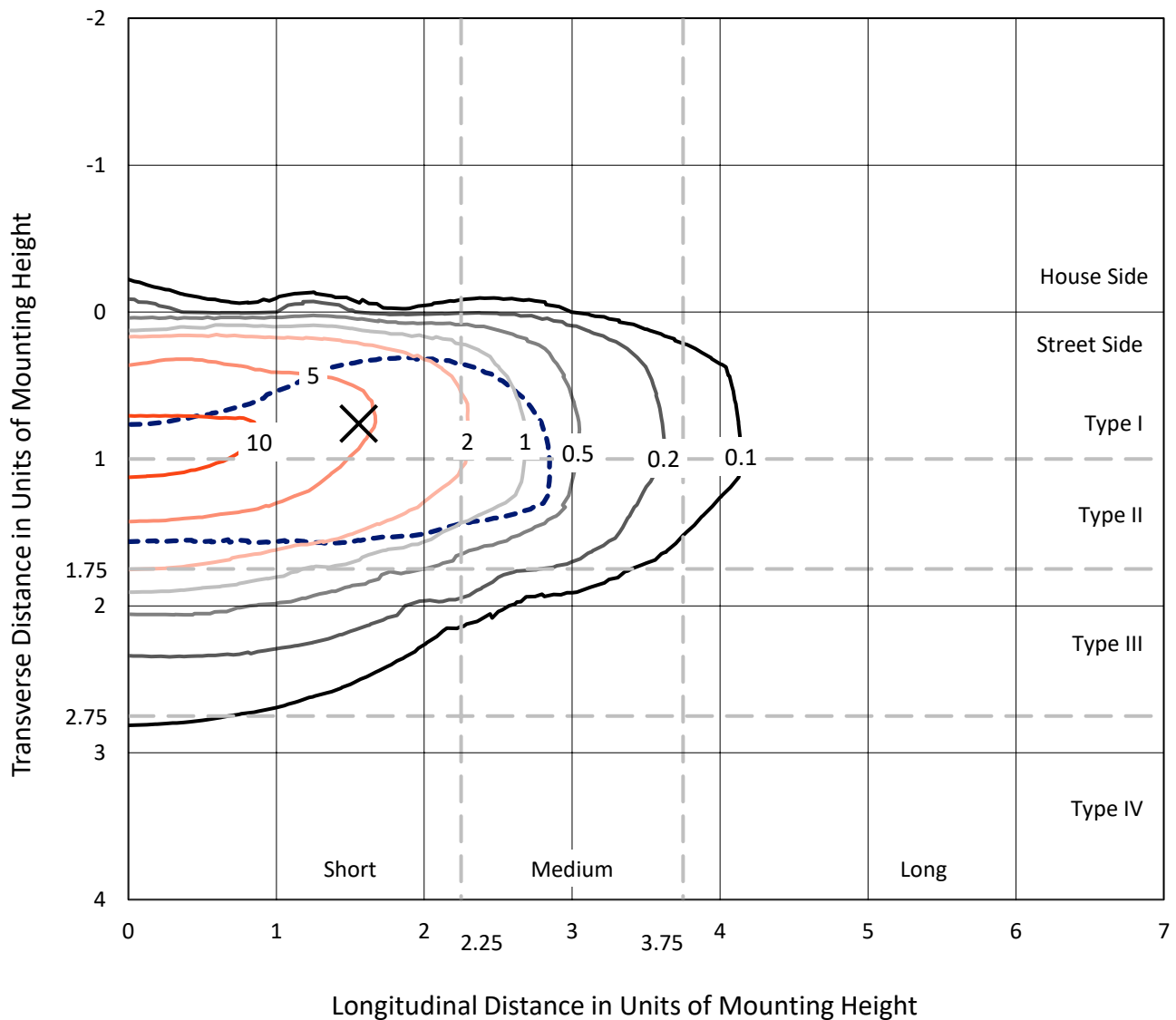
REPORT NUMBER: P1067373

CATALOG NUMBER: NAV-SA3A-835-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

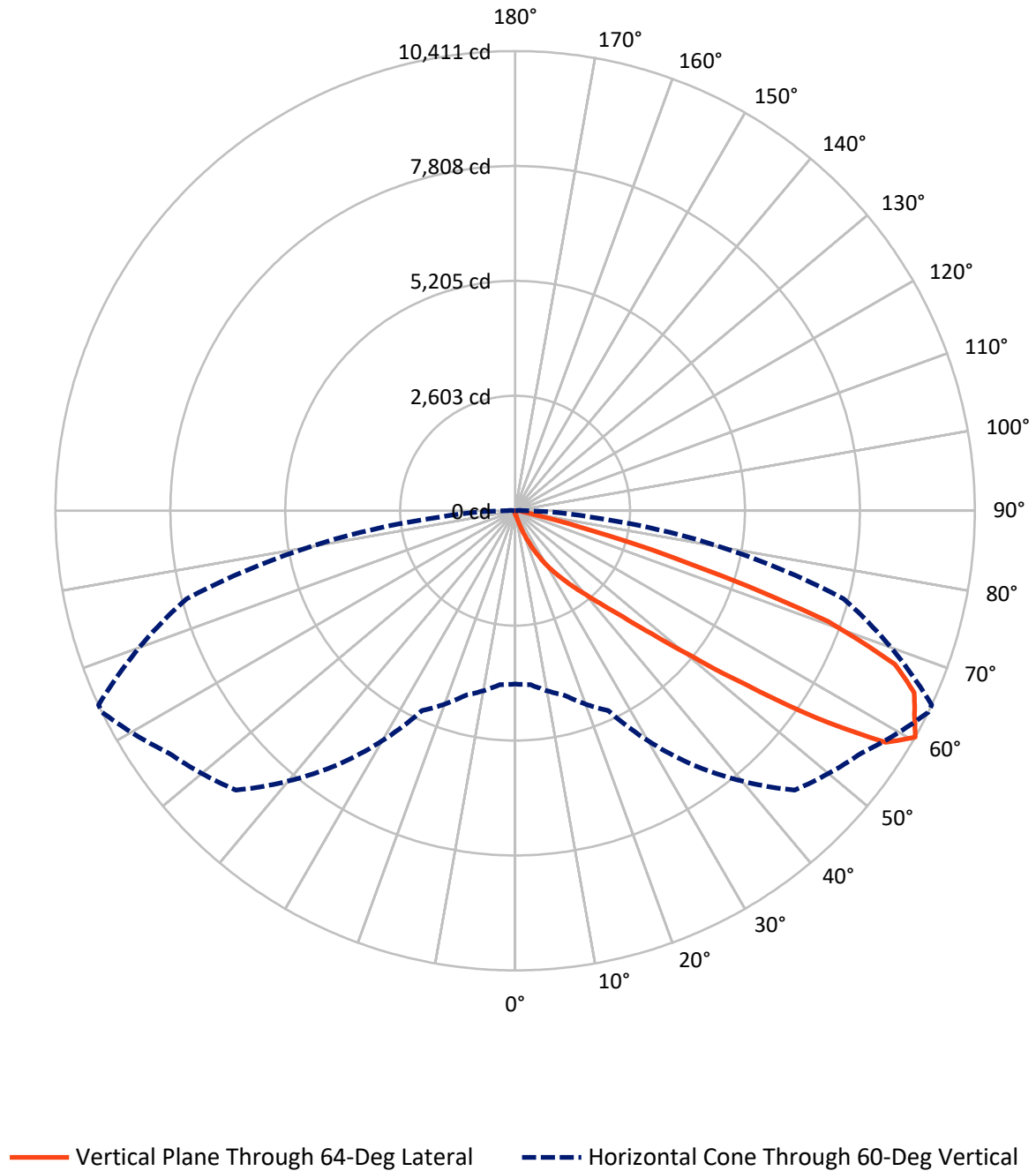


Based on 15 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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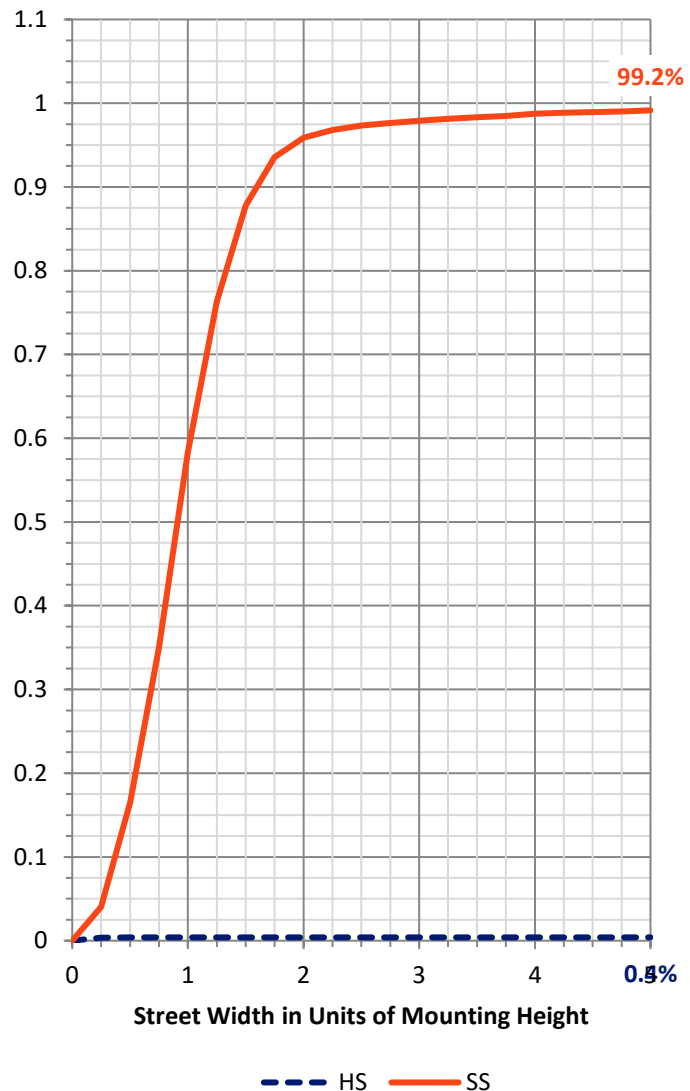
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.5	0.0	37.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9225.5	0.0	9225.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	9263.0	0.0	9263.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.1
10°-20°	91.0	1.0
20°-30°	302.3	3.3
30°-40°	806.7	8.7
40°-50°	2050.4	22.1
50°-60°	2989.0	32.3
60°-70°	2308.7	24.9
70°-80°	634.0	6.8
80°-90°	71.6	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°	9263.0	100.0
0°-180°	9263.0	100.0



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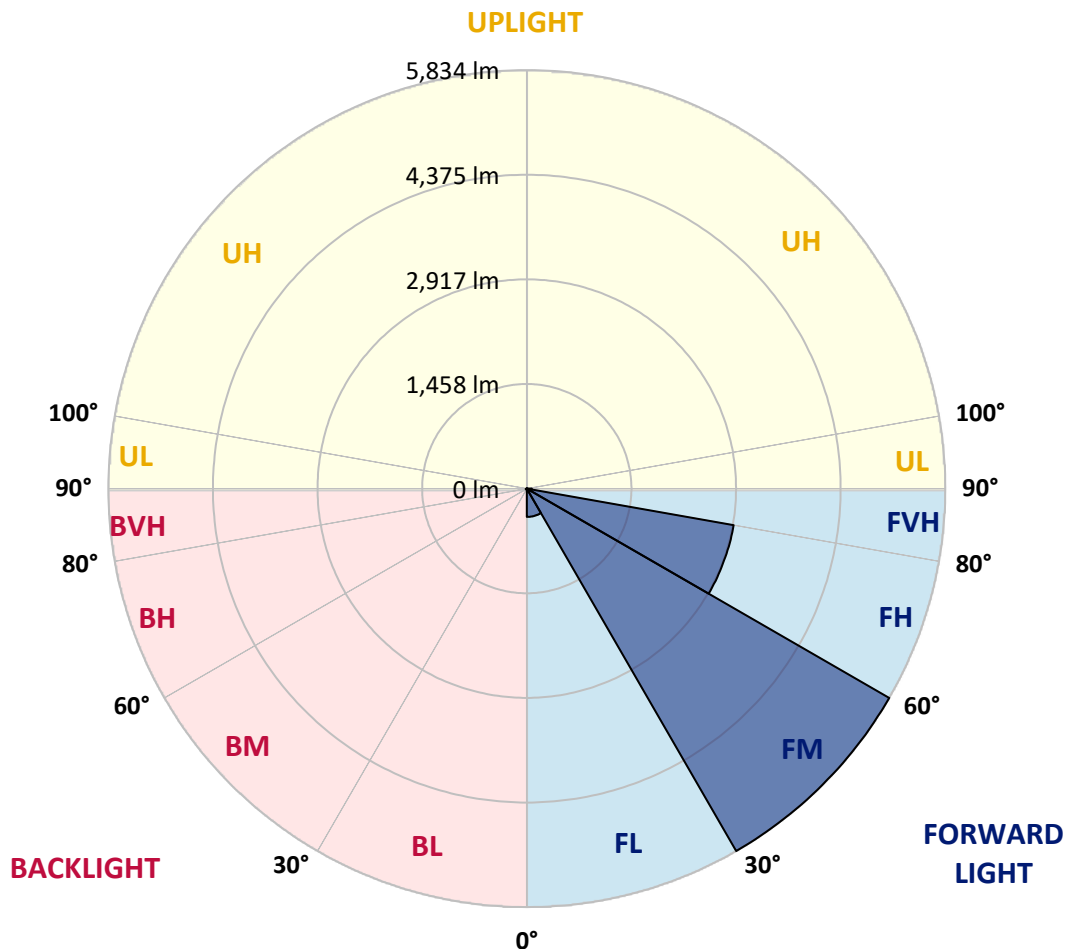
CATALOG NUMBER: NAV-SA3A-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	394.1	4.3			
FM	(30°-60°)	5833.7	63.0			
FH	(60°-80°)	2927.8	31.6			G2/5000
FVH	(80°-90°)	69.9	0.8			G1/100
BL	(0°-30°)	8.4	0.1	B0/110		
BM	(30°-60°)	12.4	0.1	B0/220		
BH	(60°-80°)	15.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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



REPORT NUMBER: P1067373

CATALOG NUMBER: NAV-SA3A-835-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	81.6	81.6	81.6	79.0	76.5	76.5	73.9	71.4	71.4	66.3	63.7
5°	124.9	124.9	119.8	114.7	107.1	96.9	86.7	79.0	79.0	71.4	66.3
7.5°	244.8	252.4	229.5	201.4	163.2	137.7	109.6	91.8	89.2	76.5	66.3
10°	530.4	525.3	489.6	420.7	331.5	239.7	153.0	112.2	107.1	81.6	66.3
12.5°	798.1	805.7	767.5	691.0	583.9	425.8	262.6	145.3	140.2	89.2	66.3
15°	1027.6	1027.6	1002.1	963.8	846.5	680.8	423.3	216.7	198.9	96.9	63.7
17.5°	1185.6	1183.1	1172.9	1162.7	1093.9	923.0	647.6	346.8	306.0	114.7	63.7
20°	1364.1	1356.5	1369.2	1348.8	1295.3	1160.1	884.8	515.1	476.8	145.3	63.7
22.5°	1550.3	1557.9	1568.1	1547.7	1489.1	1371.8	1134.7	731.8	691.0	201.4	66.3
25°	1787.4	1782.3	1805.2	1787.4	1713.5	1575.8	1369.2	968.9	910.3	280.5	71.4
27.5°	2078.1	2067.9	2083.2	2037.3	1940.4	1800.1	1578.3	1211.1	1142.3	402.9	81.6
30°	2463.1	2470.7	2401.9	2348.3	2210.7	2024.5	1810.3	1471.2	1399.8	548.2	91.8
32.5°	3069.9	3016.4	2909.3	2692.6	2511.5	2274.4	2042.4	1698.2	1634.4	734.3	107.1
35°	4015.9	4026.1	3791.5	3256.1	2863.4	2588.0	2297.4	1948.0	1902.1	946.0	127.5
37.5°	5168.4	5140.4	4933.8	4258.1	3378.5	2978.1	2588.0	2220.9	2154.6	1175.4	153.0
40°	6473.9	6356.6	6236.8	5777.8	4451.9	3467.7	2955.2	2537.0	2486.0	1440.6	193.8
42.5°	7519.3	7488.7	7509.1	7317.9	6241.9	4301.5	3442.2	2924.6	2863.4	1769.5	265.2
45°	8034.4	7991.0	8113.4	8256.2	7980.8	6076.1	4227.5	3419.3	3337.7	2157.1	374.8
47.5°	7896.7	7866.1	8128.7	8409.2	8776.3	8133.8	5510.1	4158.7	4018.5	2654.3	538.0
50°	7218.4	7221.0	7651.9	8174.6	8755.9	9176.7	7409.7	5171.0	4995.0	3314.7	793.0
52.5°	6558.0	6578.4	7034.8	7797.2	8452.5	9299.0	9077.2	6535.1	6249.5	4092.4	1093.9
55°	5879.8	5890.0	6292.9	7366.3	8309.7	8934.4	9933.9	8291.9	7988.5	5061.3	1387.1
57.5°	5227.0	5227.0	5377.5	6331.1	8154.2	8901.3	9832.0	9898.2	9650.9	6167.9	1603.8
60°	3926.7	3952.2	4327.0	4995.0	7032.3	8949.7	9571.9	10410.8	10410.8	7702.9	1769.5
62.5°	1983.7	2022.0	2488.6	3138.8	4824.2	8281.7	9612.7	10153.2	10194.0	9056.8	2146.9
65°	930.7	974.0	1223.9	1682.9	2595.7	5828.8	9189.4	9933.9	9921.2	8799.3	2942.4
67.5°	668.0	680.8	764.9	981.7	1397.3	2554.9	7014.4	9278.6	9283.7	7476.0	3383.6
70°	599.2	599.2	619.6	683.3	841.4	1142.3	3409.1	7514.2	7878.8	5772.7	3136.2
72.5°	591.5	586.4	581.3	583.9	568.6	573.7	1170.3	4242.8	4763.0	4038.9	2501.3
75°	576.3	576.3	571.2	553.3	453.9	369.7	402.9	1716.0	1983.7	2697.7	1856.2
77.5°	456.4	502.3	555.9	522.7	415.6	277.9	234.6	497.2	627.2	1654.8	1346.3
80°	211.6	214.2	211.6	221.8	265.2	198.9	173.4	242.2	244.8	917.9	833.8
82.5°	153.0	155.5	147.9	132.6	117.3	107.1	142.8	178.5	191.2	420.7	311.1
85°	45.9	43.3	51.0	68.8	81.6	94.3	119.8	150.4	158.1	155.5	45.9
87.5°	20.4	20.4	25.5	35.7	48.4	71.4	104.5	137.7	140.2	160.6	12.7
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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CATALOG NUMBER: NAV-SA3A-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2.5°	63.7	61.2	58.6	56.1	53.5	51.0	48.4	48.4	51.0	51.0	51.0
5°	61.2	58.6	53.5	48.4	45.9	43.3	40.8	40.8	43.3	43.3	43.3
7.5°	61.2	56.1	51.0	45.9	40.8	38.2	35.7	35.7	35.7	38.2	38.2
10°	61.2	56.1	48.4	40.8	35.7	33.1	30.6	28.0	30.6	30.6	30.6
12.5°	58.6	53.5	45.9	38.2	30.6	25.5	22.9	22.9	22.9	22.9	22.9
15°	56.1	51.0	43.3	33.1	25.5	20.4	15.3	15.3	15.3	17.8	17.8
17.5°	53.5	48.4	38.2	25.5	17.8	12.7	10.2	10.2	10.2	12.7	12.7
20°	53.5	45.9	33.1	20.4	12.7	7.6	5.1	5.1	5.1	7.6	10.2
22.5°	53.5	45.9	30.6	15.3	7.6	5.1	2.5	2.5	2.5	2.5	2.5
25°	53.5	43.3	28.0	12.7	5.1	2.5	0.0	0.0	2.5	5.1	7.6
27.5°	53.5	40.8	22.9	7.6	5.1	2.5	0.0	2.5	5.1	5.1	5.1
30°	53.5	40.8	20.4	7.6	2.5	0.0	0.0	2.5	5.1	5.1	7.6
32.5°	56.1	38.2	17.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	58.6	35.7	15.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	63.7	35.7	10.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	71.4	38.2	10.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	89.2	40.8	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	124.9	51.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	183.6	76.5	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	267.7	104.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	328.9	104.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	326.4	66.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	249.9	45.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	211.6	33.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	255.0	25.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	453.9	22.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	729.2	22.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	815.9	22.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	637.4	20.4	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	349.3	17.8	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	175.9	12.7	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	73.9	10.2	5.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	25.5	10.2	5.1	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
85°	12.7	7.6	7.6	5.1	5.1	2.5	2.5	0.0	0.0	0.0	0.0
87.5°	7.6	7.6	7.6	5.1	5.1	2.5	2.5	0.0	0.0	0.0	2.5
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

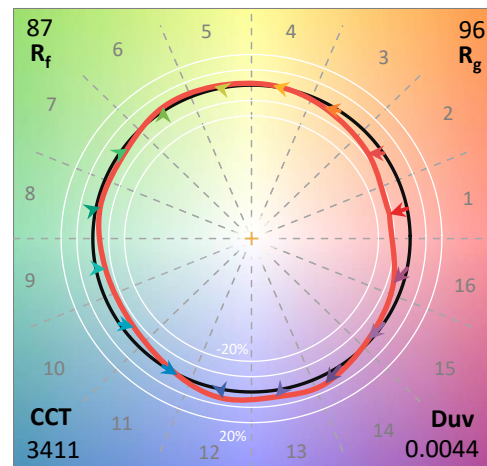
Test Information

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

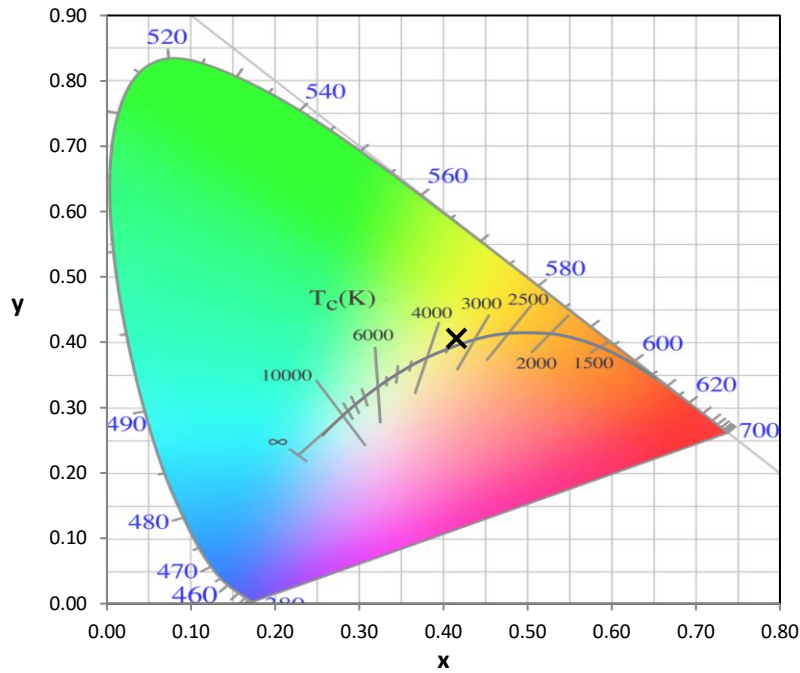
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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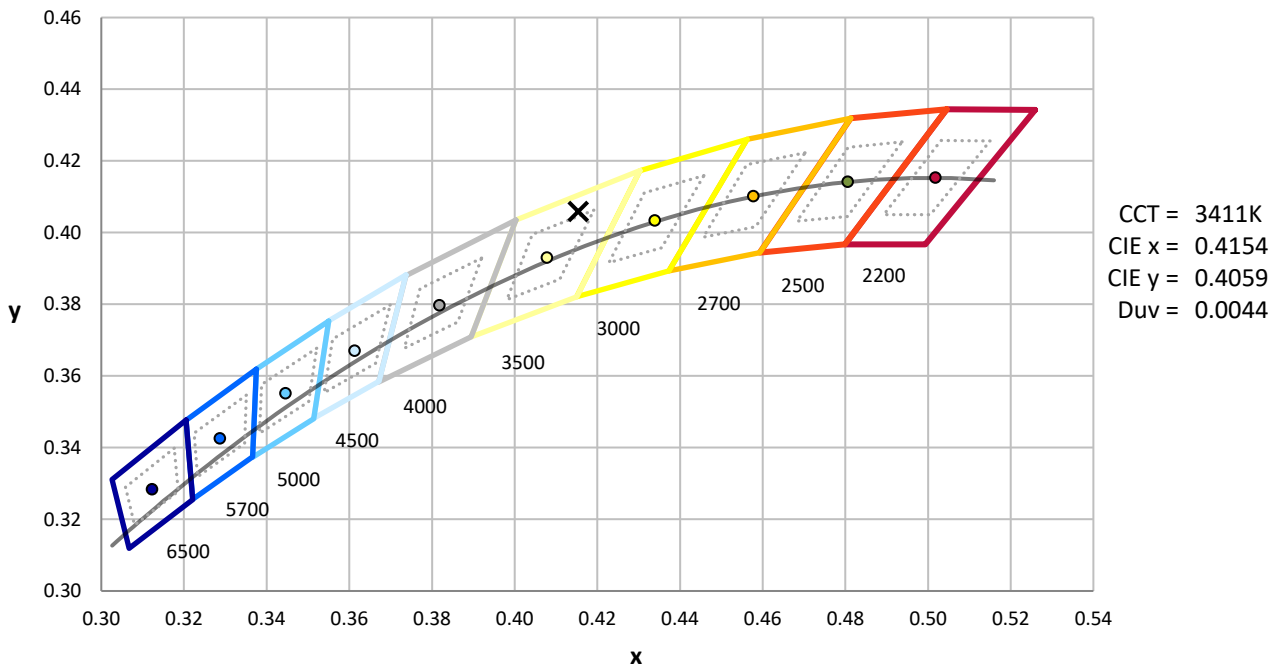
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



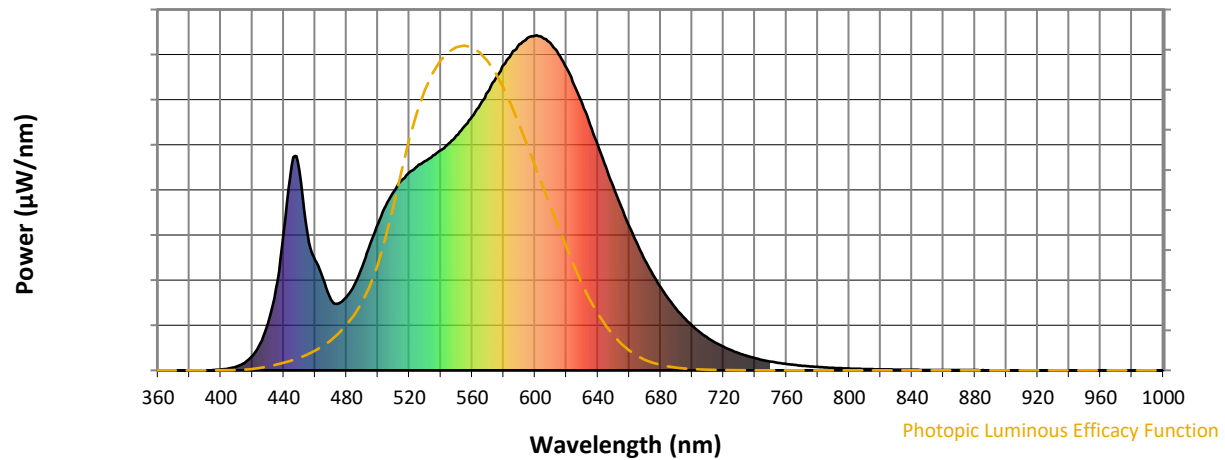
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

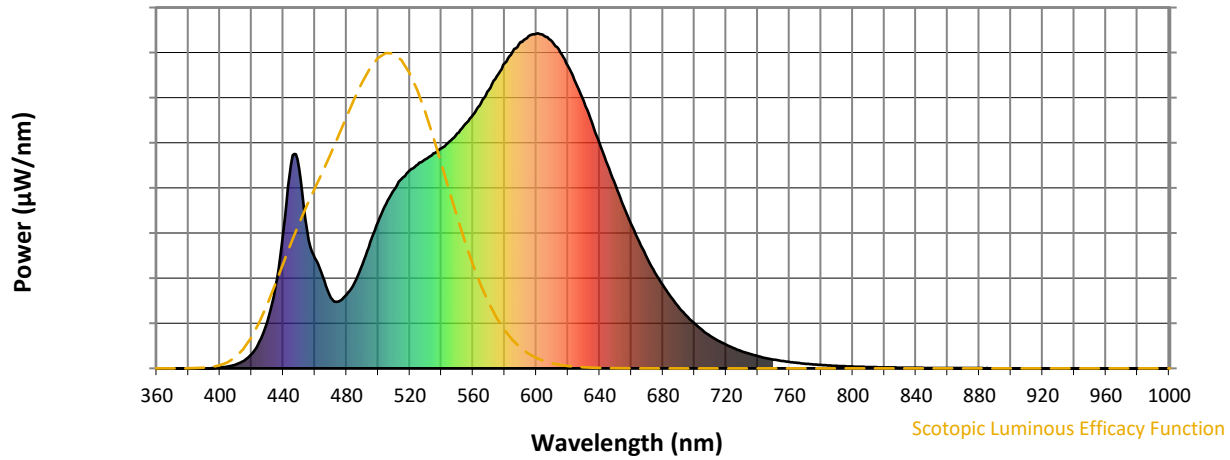


Photopic Lumens: NR

λ (nm)	Power W/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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Scotopic Flux vs. Wavelength



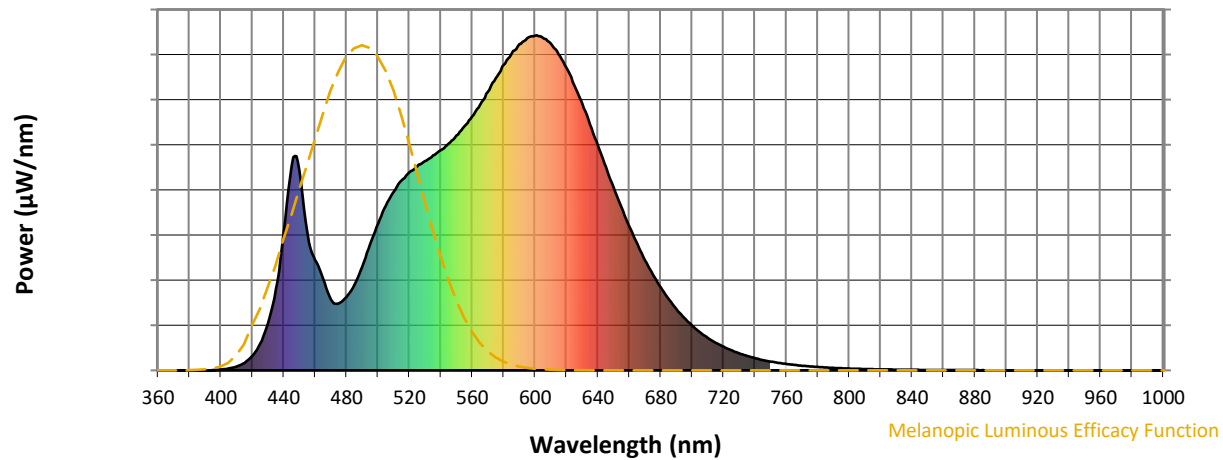
Scotopic Lumens: NR

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

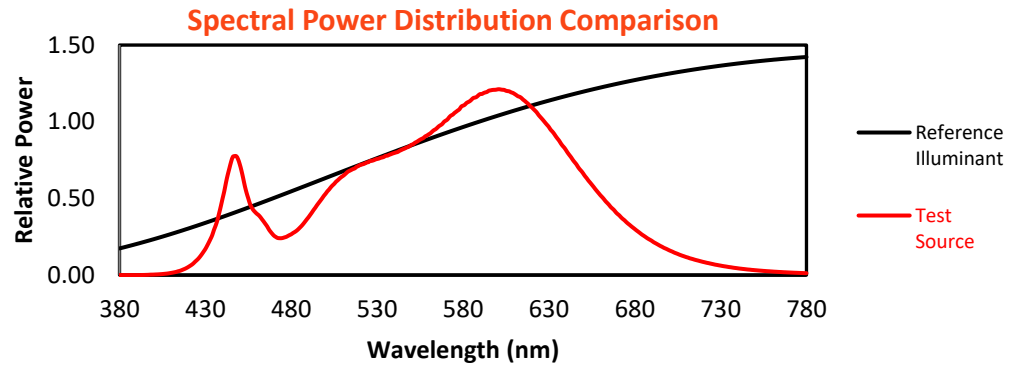
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	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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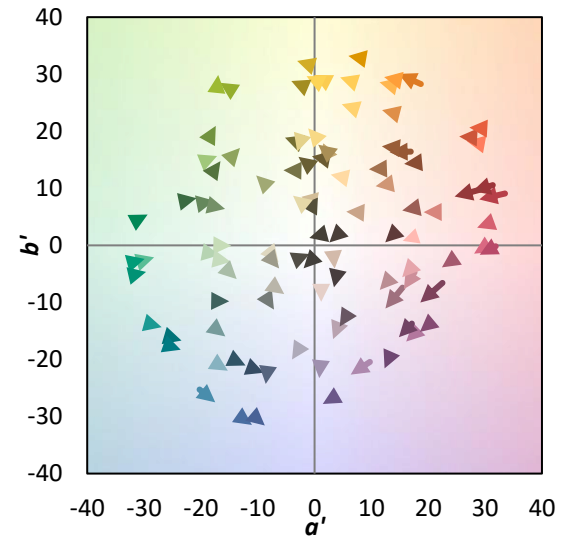
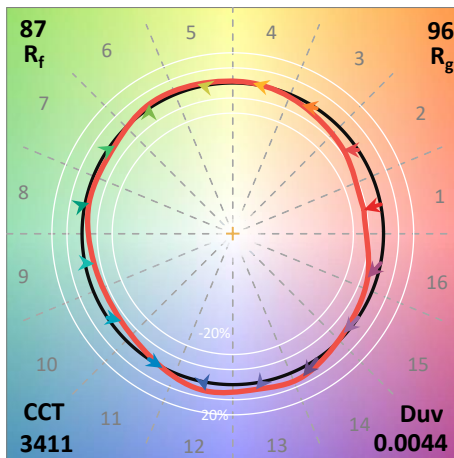
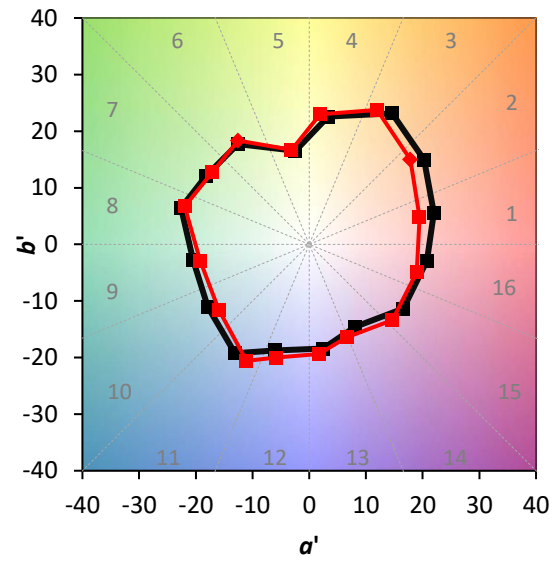
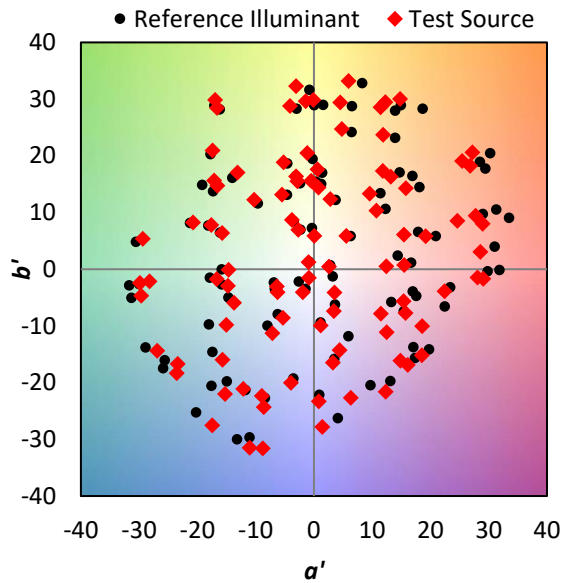
TM-30-18

Summary

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

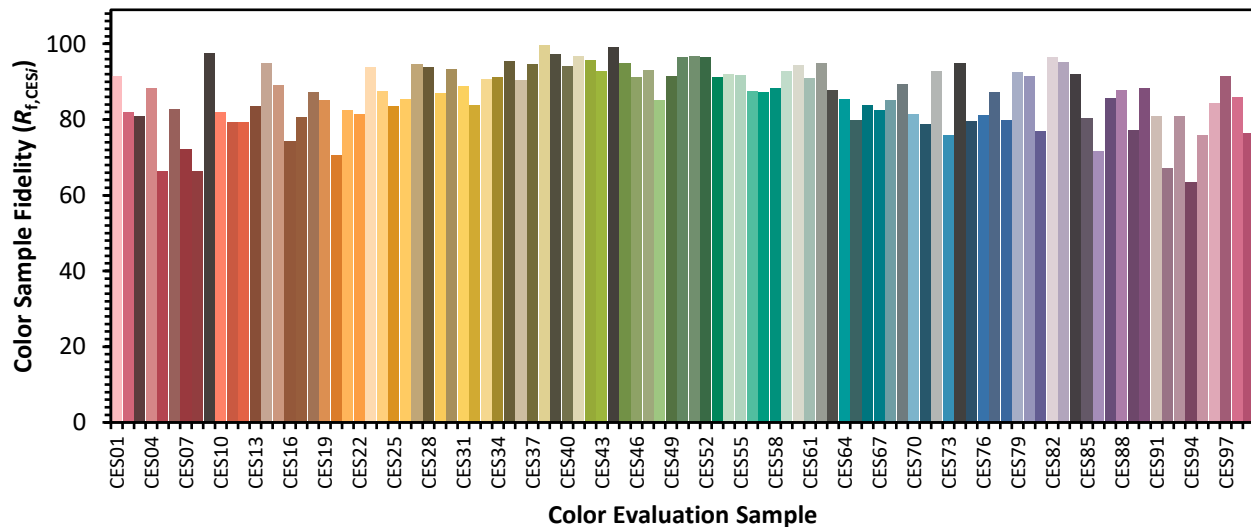


Color Vector Graphics

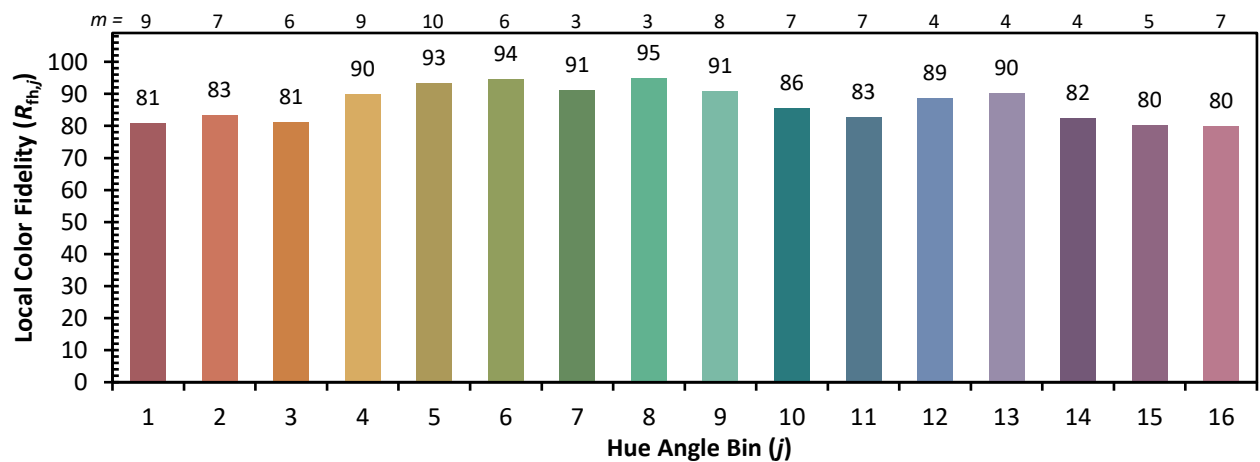
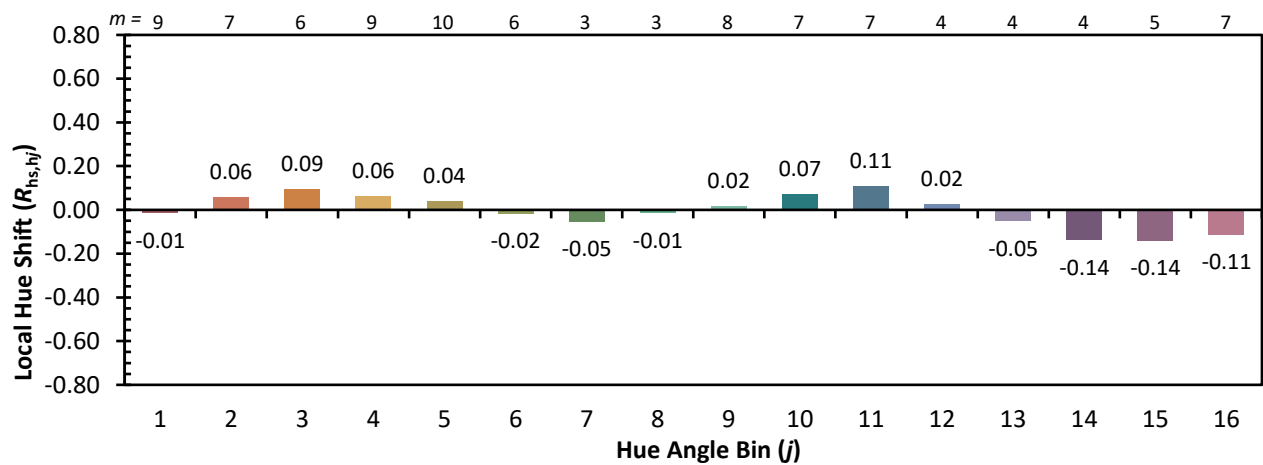
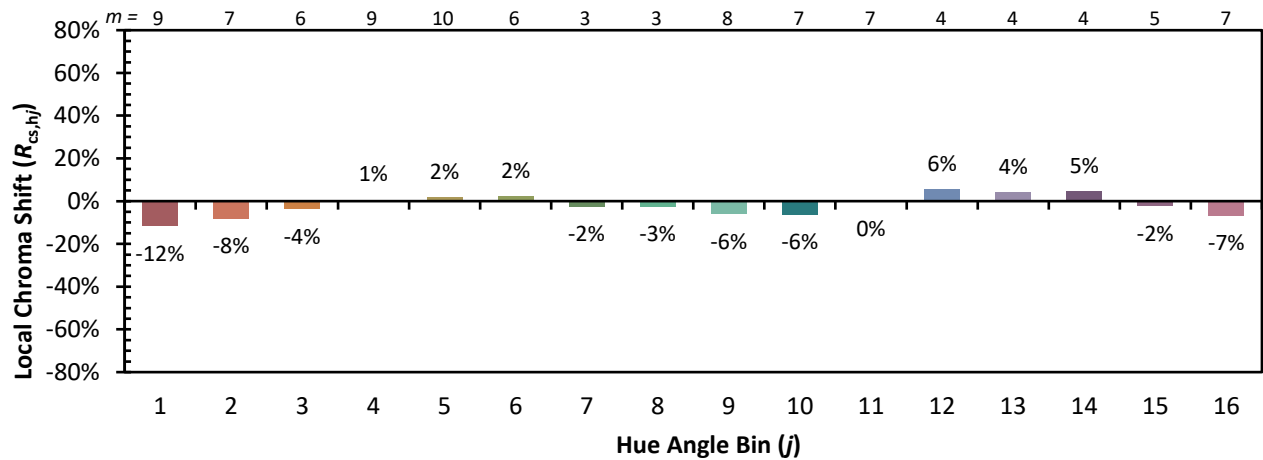


Individual Sample Fidelity Index ($R_{f,i}$)

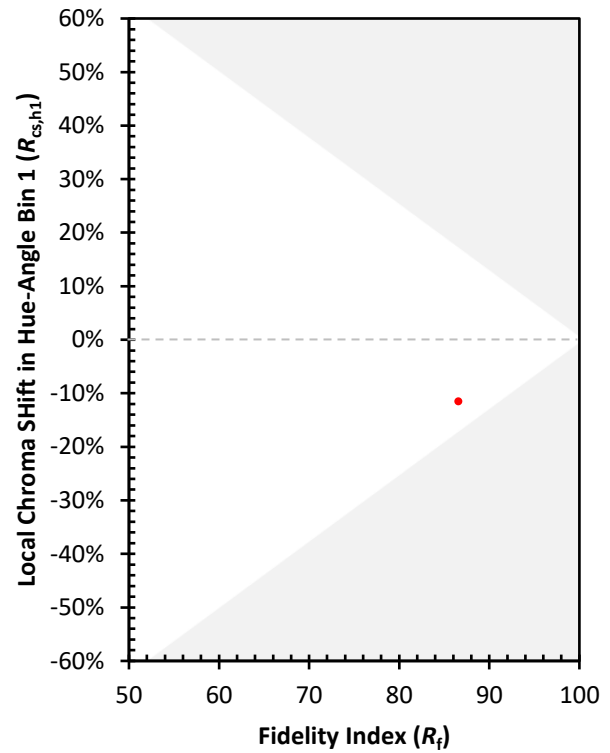
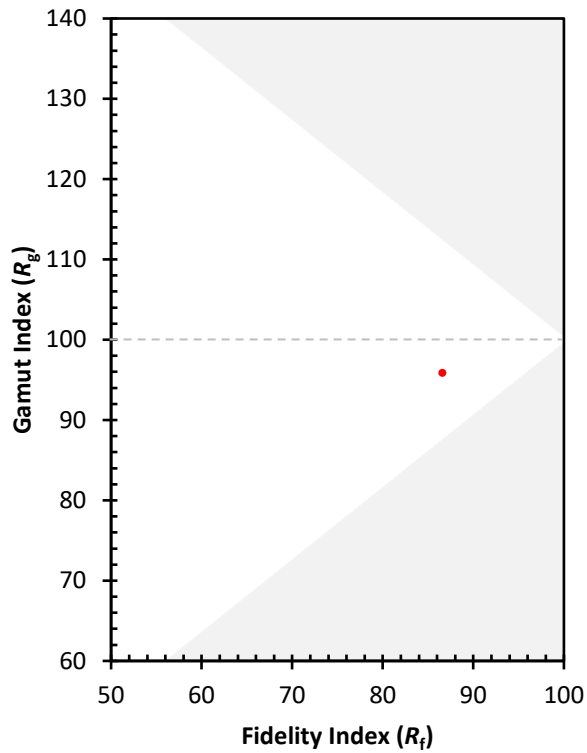
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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