

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: P1067147

Luminaire Tested: **NAV-SA6C-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067147
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6C-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (84) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30353 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 279.1
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

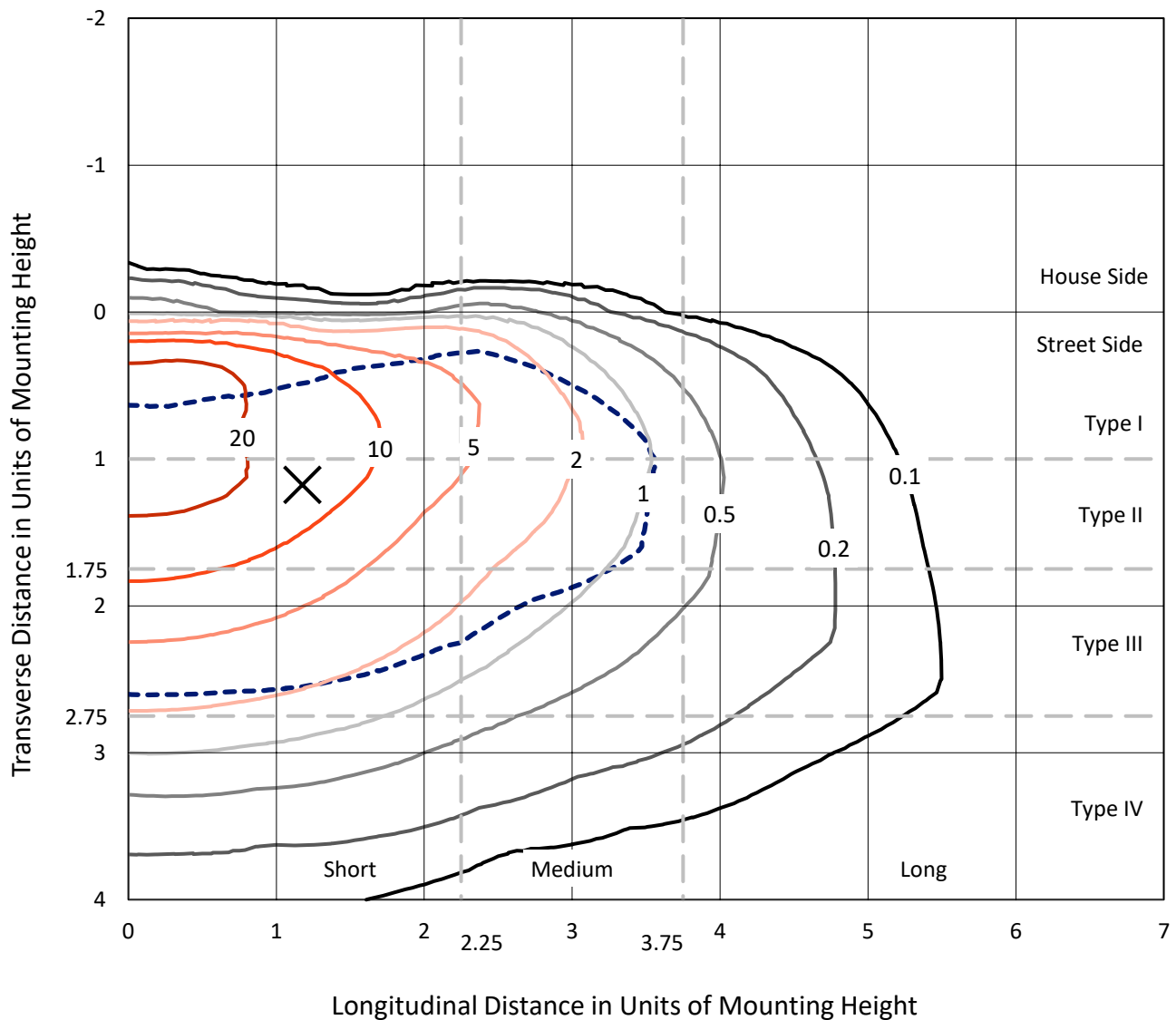


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

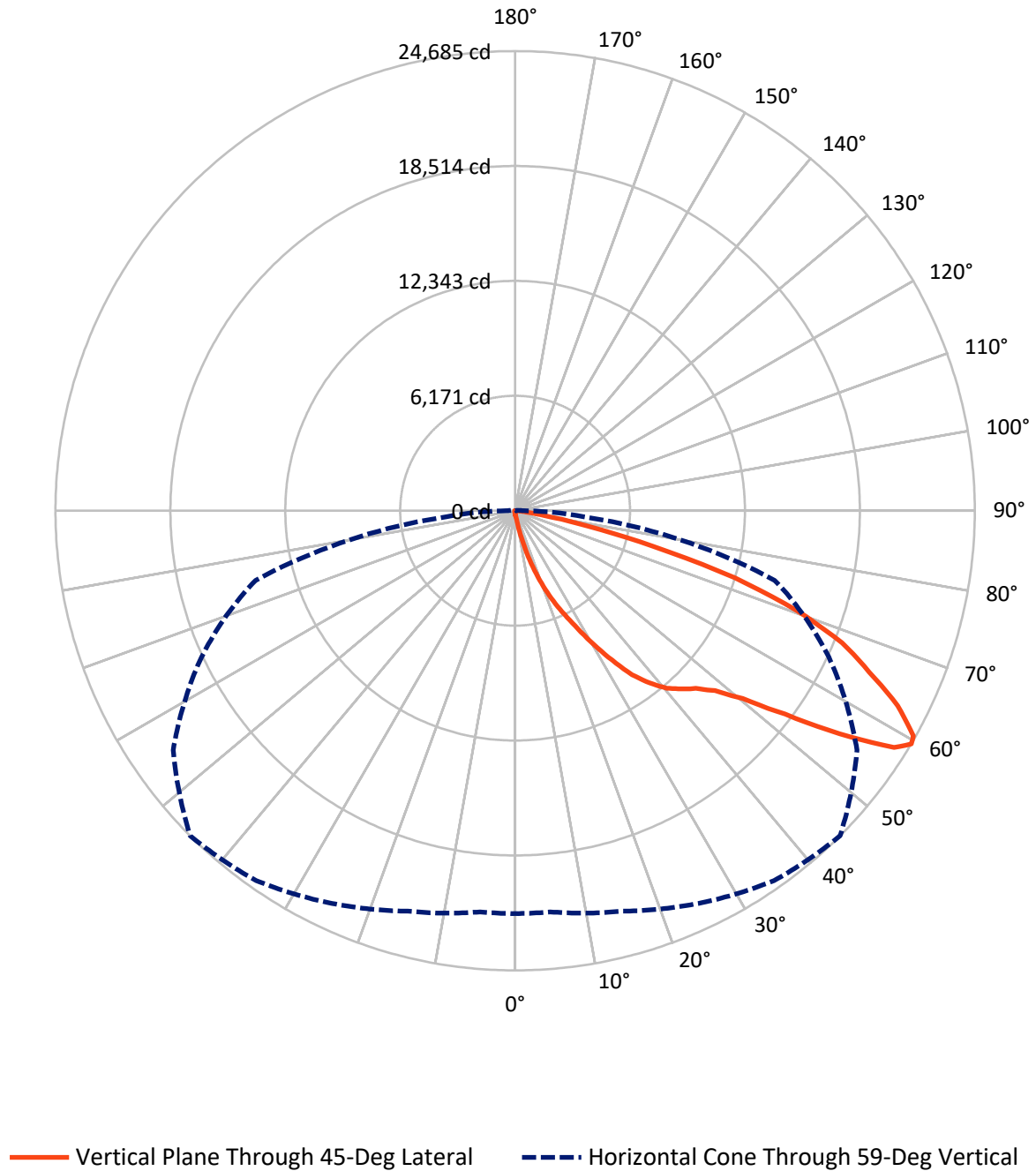


Based on 15 foot mounting height. Maximum calculated value = 33.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.8	0.0	107.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	30245.3	0.0	30245.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	30353.0	0.0	30353.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	0.1
10°-20°	335.5	1.1
20°-30°	1205.5	4.0
30°-40°	2801.1	9.2
40°-50°	4774.4	15.7
50°-60°	7866.9	25.9
60°-70°	9095.9	30.0
70°-80°	3907.9	12.9
80°-90°	337.7	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°	30353.0	100.0
0°-180°	30353.0	100.0



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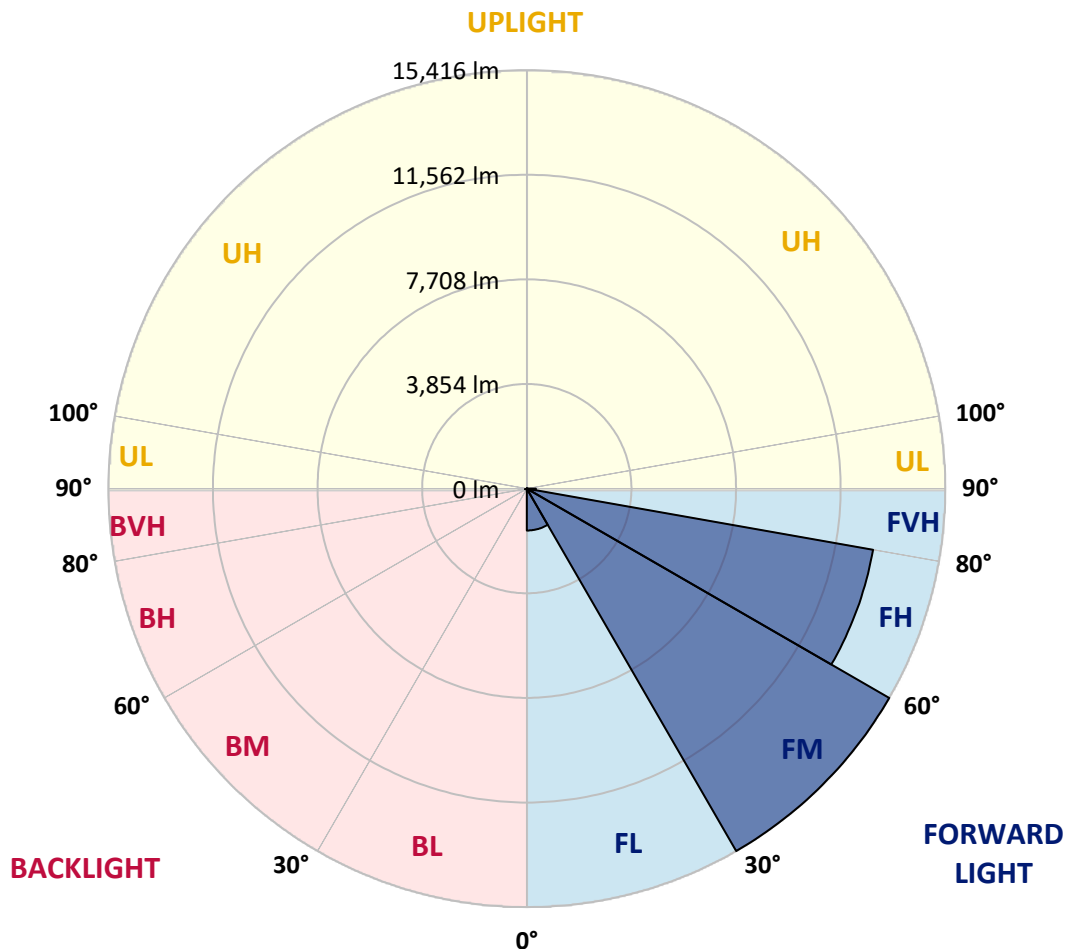
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1542.6	5.1			
FM	(30°-60°)	15416.4	50.8			
FH	(60°-80°)	12953.1	42.7			G5
FVH	(80°-90°)	333.3	1.1			G3/500
BL	(0°-30°)	26.6	0.1	B0/110		
BM	(30°-60°)	26.1	0.1	B0/220		
BH	(60°-80°)	50.7	0.2	B0/110		G0/110
BVH	(80°-90°)	4.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	249.0	249.0	242.9	234.7	232.7	226.5	226.5	220.4	212.3	206.1	198.0
5°	361.2	359.2	342.9	322.5	295.9	279.6	279.6	257.2	236.7	218.4	202.1
7.5°	789.8	771.5	712.3	614.3	485.7	400.0	393.9	320.4	271.4	234.7	204.1
10°	1812.4	1749.1	1665.4	1430.7	1057.2	738.8	724.5	467.4	324.5	253.1	208.2
12.5°	2969.6	3020.6	2853.2	2483.8	2047.1	1522.5	1420.5	787.8	428.6	277.6	212.3
15°	4022.7	4010.5	3916.6	3614.5	3110.4	2412.4	2349.1	1369.5	614.3	316.3	216.3
17.5°	4810.5	4796.2	4706.4	4512.5	4124.8	3426.8	3371.6	2183.8	963.3	371.5	220.4
20°	5641.2	5622.8	5496.3	5341.2	5002.4	4408.4	4343.1	3094.1	1508.3	461.3	220.4
22.5°	6637.2	6602.5	6467.8	6204.5	5847.3	5331.0	5271.8	4024.7	2183.8	608.2	230.6
25°	7841.3	7782.1	7596.4	7359.7	6929.0	6243.3	6180.0	5061.5	2998.2	830.7	240.8
27.5°	9214.9	9225.1	8974.0	8574.0	7996.4	7296.4	7178.0	5990.2	3841.1	1149.1	253.1
30°	10845.6	10743.5	10390.5	9925.1	9363.9	8472.0	8357.7	6914.7	4788.1	1618.5	273.5
32.5°	12372.2	12262.0	11786.5	11200.7	10598.6	9657.8	9563.9	7953.6	5649.3	2173.6	310.2
35°	13682.5	13605.0	12939.6	12225.3	11690.5	10849.7	10821.1	9112.8	6661.7	2771.6	351.0
37.5°	14835.6	14694.8	13839.7	13098.8	12555.9	11802.8	11741.6	10174.1	7637.2	3465.5	412.3
40°	15819.4	15741.8	14698.9	13725.4	13284.5	12611.0	12533.5	11104.8	8645.5	4271.7	487.8
42.5°	16872.5	16770.5	15758.2	14666.2	13854.0	13133.5	13082.5	11872.2	9543.5	5157.5	600.0
45°	18062.4	17872.6	16984.8	16005.1	14770.3	13674.3	13617.2	12555.9	10463.9	6108.6	736.8
47.5°	19333.9	19168.6	18450.2	17762.4	16341.9	14566.2	14443.8	13137.6	11378.3	7206.6	910.3
50°	20627.9	20631.9	20093.1	19762.5	18262.4	16015.3	15841.8	13992.7	12339.6	8382.2	1167.4
52.5°	22134.1	22172.9	22164.7	21919.8	20756.4	18384.9	18152.2	15290.8	13456.0	9753.7	1522.5
55°	22764.7	22834.1	23285.2	23828.1	23511.7	21389.1	21140.1	17529.7	14935.7	11282.4	2049.1
57.5°	22248.4	22325.9	22948.4	23899.5	24626.1	24019.9	23991.3	20444.2	16884.8	13135.5	2910.4
59°	21634.0	21623.8	22262.7	23270.9	24250.5	24644.4	24685.3	22415.7	18582.8	14435.6	3653.3
60°	21225.9	21234.0	21658.5	22693.3	23734.2	24417.9	24577.1	23577.0	19574.7	15370.4	4290.1
62.5°	19650.2	19744.1	20080.9	21042.2	22030.0	22793.3	23064.7	24611.8	22413.7	17578.7	6504.5
65°	17937.9	17944.0	18423.6	19246.1	20193.1	20729.9	20901.3	23001.5	24309.7	19827.8	9408.8
67.5°	14882.6	15007.1	15552.0	16884.8	18135.9	18815.5	18946.1	20021.7	23524.0	21293.2	10864.0
70°	10415.0	10578.2	11355.8	13084.5	14947.9	16064.3	16056.1	16643.9	20703.4	20640.1	9210.8
72.5°	5200.3	5482.0	6116.7	7967.9	10225.1	11978.3	12347.7	13388.6	16631.7	17144.0	6871.9
75°	2298.1	2314.4	2675.7	3608.4	5082.0	7308.6	7639.3	10627.2	12760.0	11915.1	4963.6
77.5°	1336.8	1349.1	1414.4	1620.5	2059.3	3581.9	3953.3	6969.8	9016.9	6924.9	3236.9
80°	485.7	498.0	496.0	614.3	902.1	1410.3	1571.5	3377.8	6014.7	3647.2	1696.0
82.5°	298.0	298.0	287.8	289.8	328.6	540.9	591.9	1438.9	2928.8	1796.0	485.7
85°	146.9	155.1	165.3	185.7	220.4	267.4	283.7	412.3	985.8	434.7	116.3
87.5°	87.8	89.8	98.0	118.4	146.9	191.8	204.1	279.6	353.1	291.9	28.6
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-SA6C-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
2.5°	193.9	191.8	181.6	173.5	165.3	157.2	151.0	144.9	144.9	146.9	144.9
5°	193.9	185.7	169.4	155.1	142.9	132.7	122.5	114.3	112.3	112.3	114.3
7.5°	191.8	181.6	159.2	140.8	124.5	110.2	100.0	89.8	87.8	89.8	87.8
10°	189.8	177.6	151.0	128.6	106.1	91.8	77.6	67.4	67.4	67.4	69.4
12.5°	189.8	171.4	142.9	116.3	91.8	75.5	61.2	51.0	49.0	49.0	49.0
15°	187.8	167.4	134.7	102.0	77.6	57.1	44.9	34.7	34.7	34.7	34.7
17.5°	183.7	161.2	124.5	89.8	61.2	42.9	30.6	20.4	20.4	24.5	24.5
20°	179.6	155.1	112.3	73.5	51.0	32.7	20.4	12.2	12.2	18.4	20.4
22.5°	181.6	155.1	104.1	65.3	40.8	24.5	16.3	10.2	8.2	14.3	18.4
25°	183.7	151.0	93.9	57.1	30.6	18.4	12.2	4.1	2.0	4.1	6.1
27.5°	183.7	146.9	81.6	44.9	22.5	14.3	6.1	0.0	0.0	0.0	0.0
30°	181.6	140.8	71.4	36.7	16.3	8.2	2.0	0.0	0.0	0.0	0.0
32.5°	179.6	134.7	65.3	28.6	14.3	4.1	0.0	0.0	0.0	0.0	0.0
35°	181.6	126.5	57.1	22.5	8.2	0.0	0.0	0.0	0.0	0.0	4.1
37.5°	187.8	118.4	49.0	18.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	195.9	112.3	40.8	14.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	212.3	112.3	36.7	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	232.7	112.3	30.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	259.2	114.3	26.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	291.9	118.4	24.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	316.3	114.3	22.5	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	359.2	110.2	20.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	416.4	104.1	20.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	473.5	95.9	20.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	538.8	91.8	18.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	889.9	81.6	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1718.5	77.6	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2777.7	77.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2920.6	77.6	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1943.0	63.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1040.9	57.1	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	561.3	53.1	8.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	247.0	38.8	10.2	6.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	98.0	26.5	12.2	10.2	8.2	4.1	0.0	0.0	0.0	0.0	0.0
85°	46.9	20.4	16.3	14.3	10.2	6.1	0.0	0.0	0.0	0.0	0.0
87.5°	22.5	20.4	18.4	16.3	14.3	10.2	2.0	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

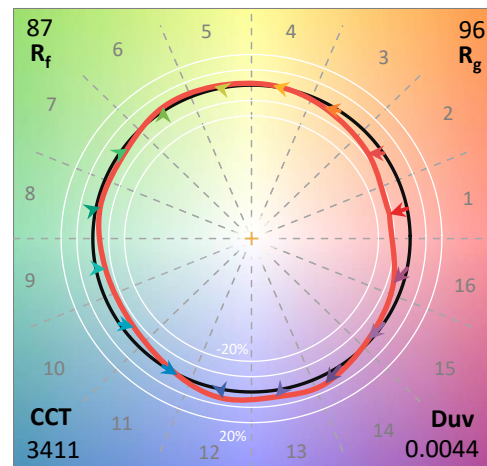
Test Information

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
 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

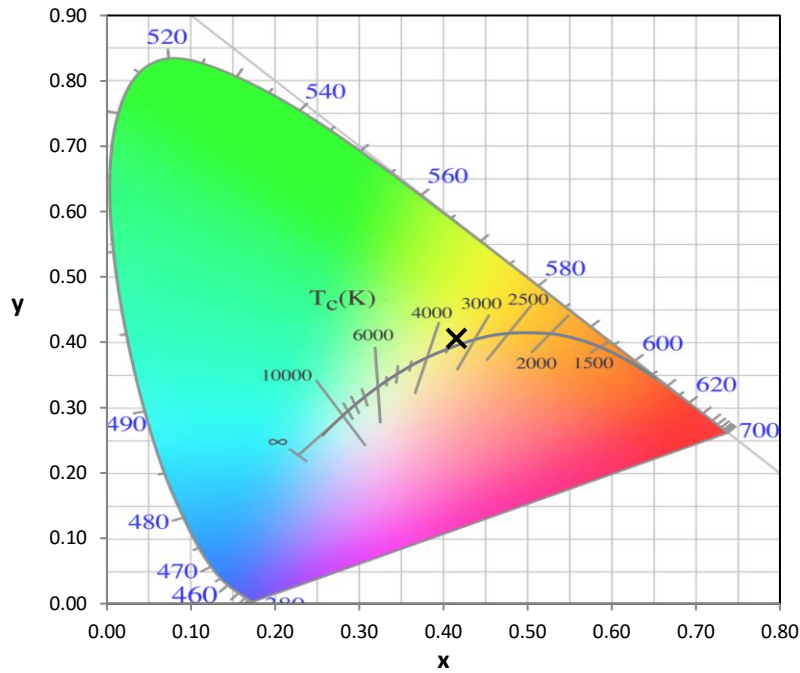
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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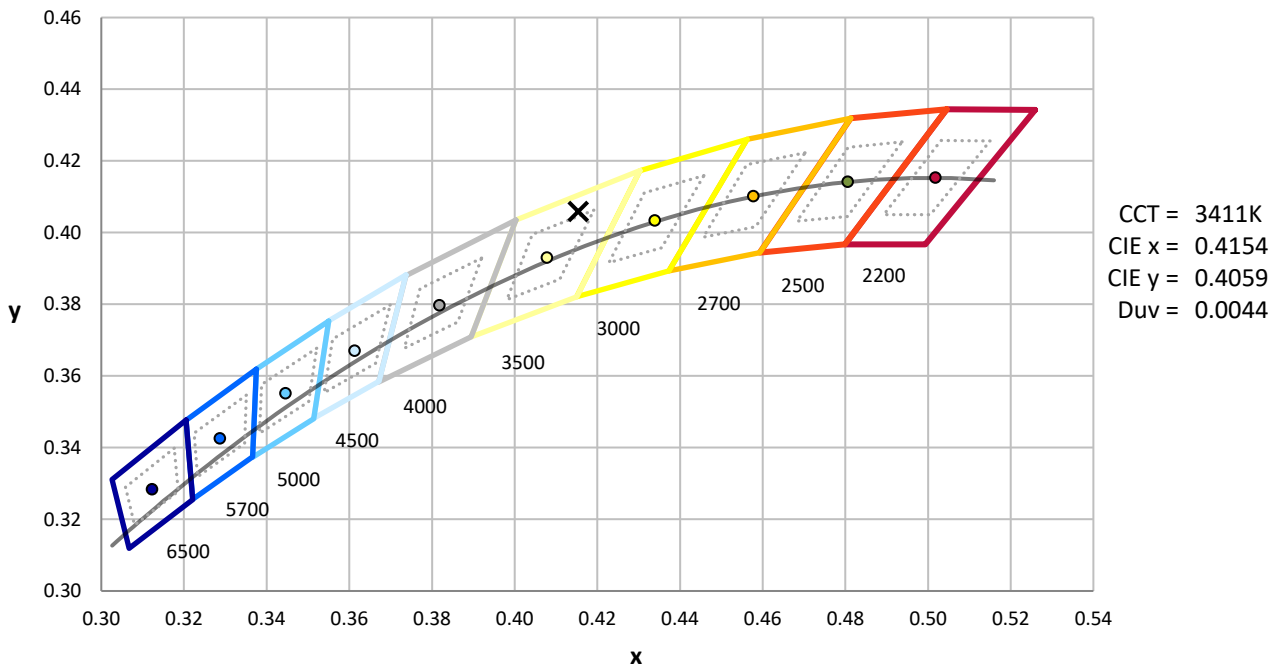
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



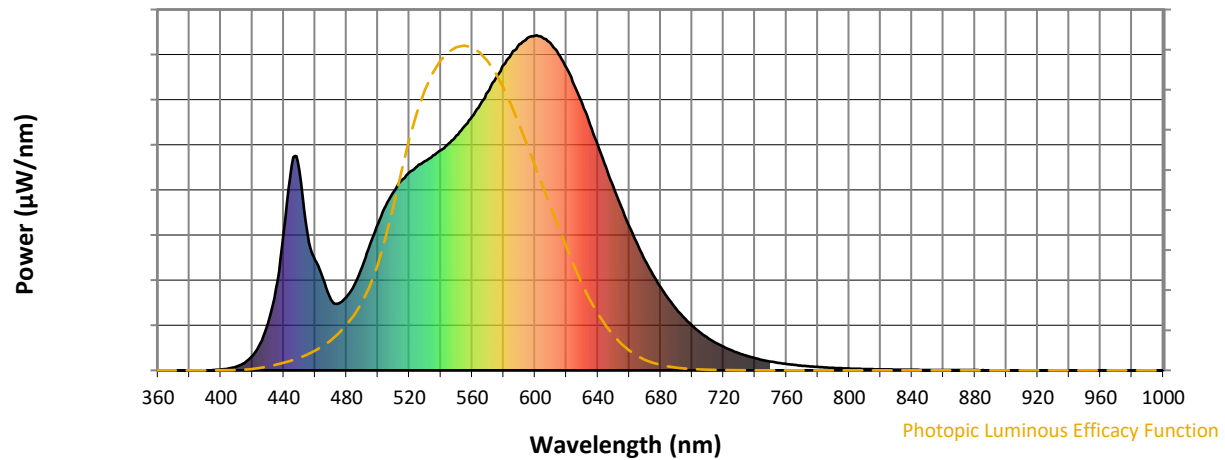
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

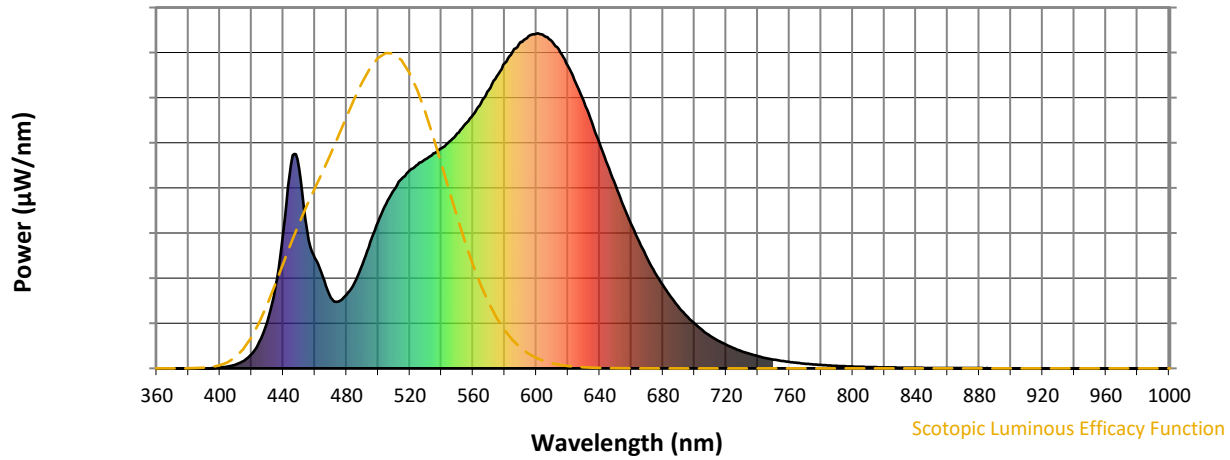


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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



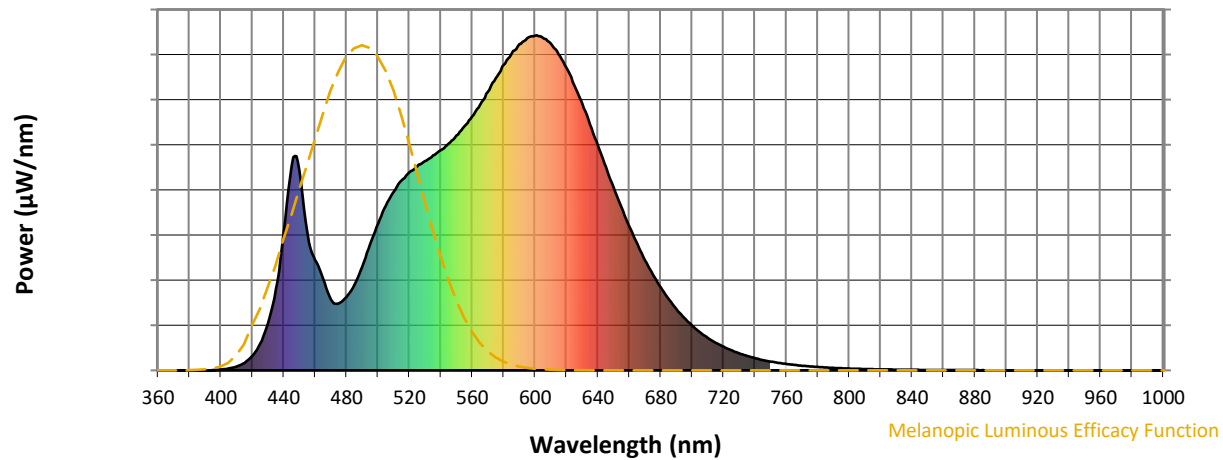
Scotopic Lumens: NR

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

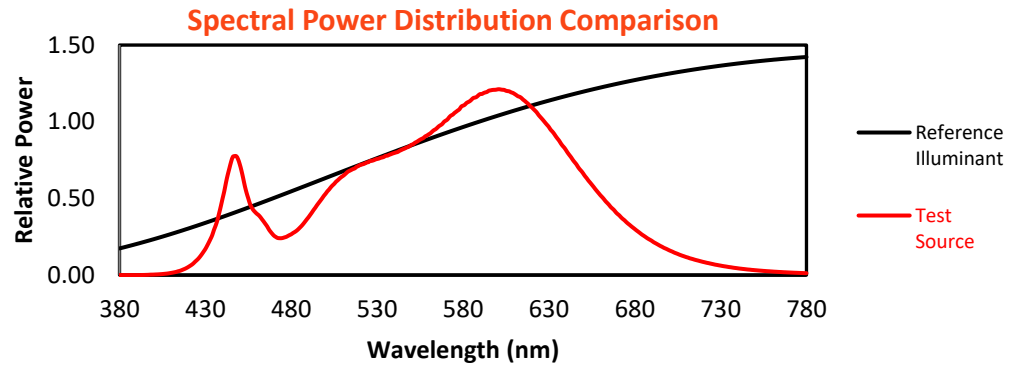
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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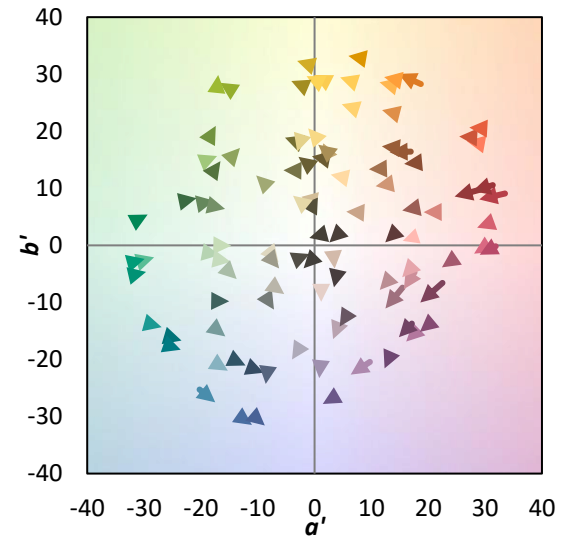
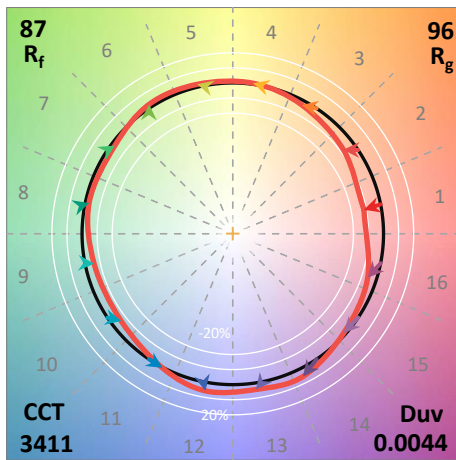
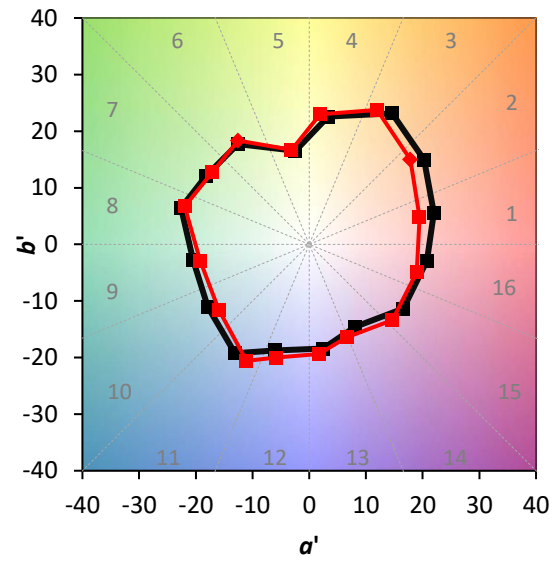
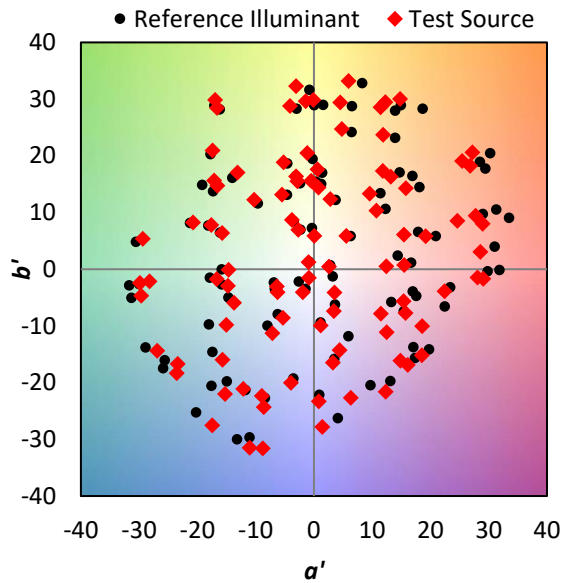
TM-30-18

Summary

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

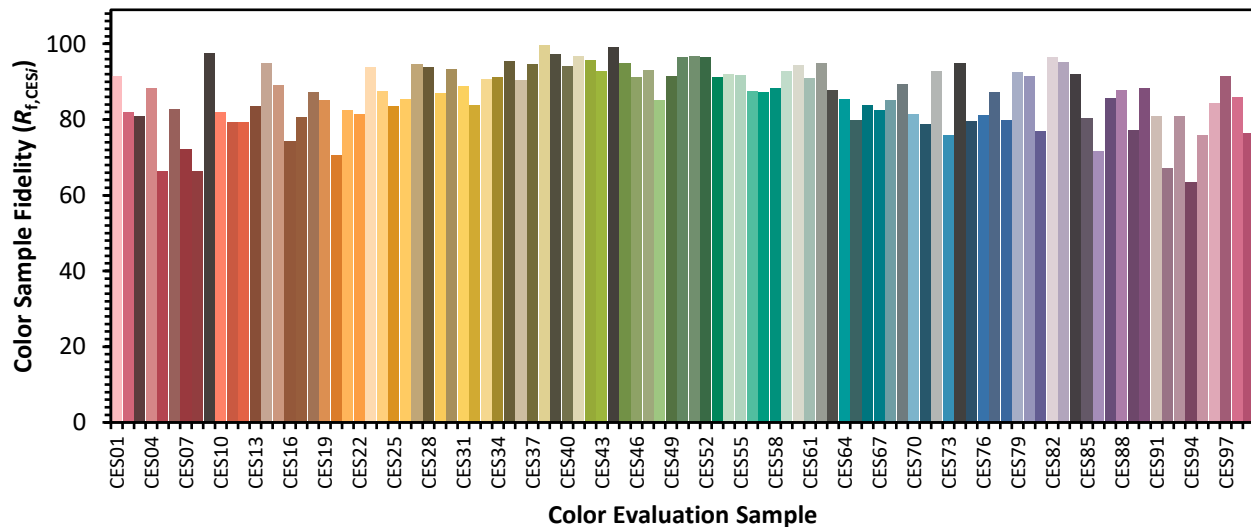


Color Vector Graphics

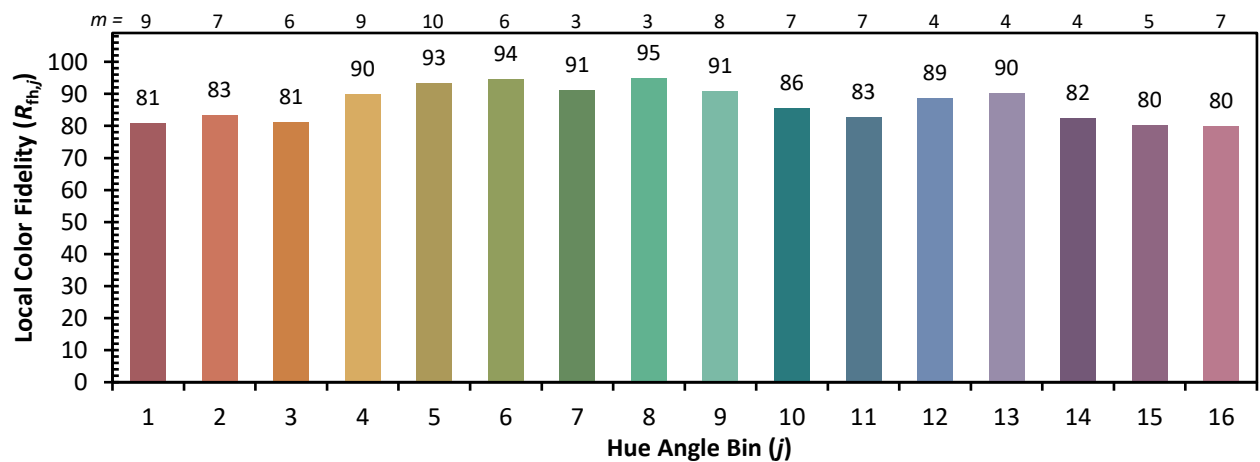
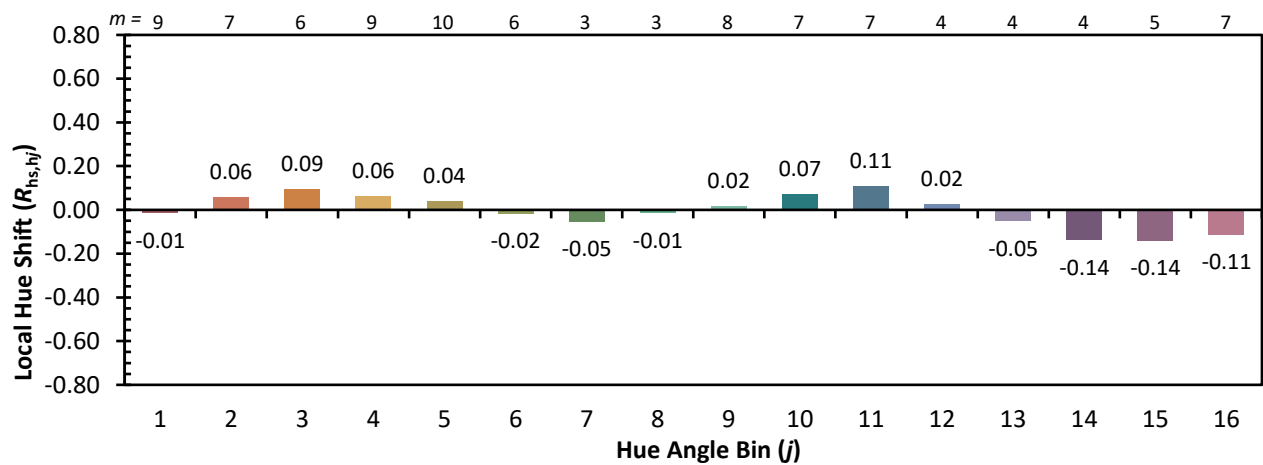
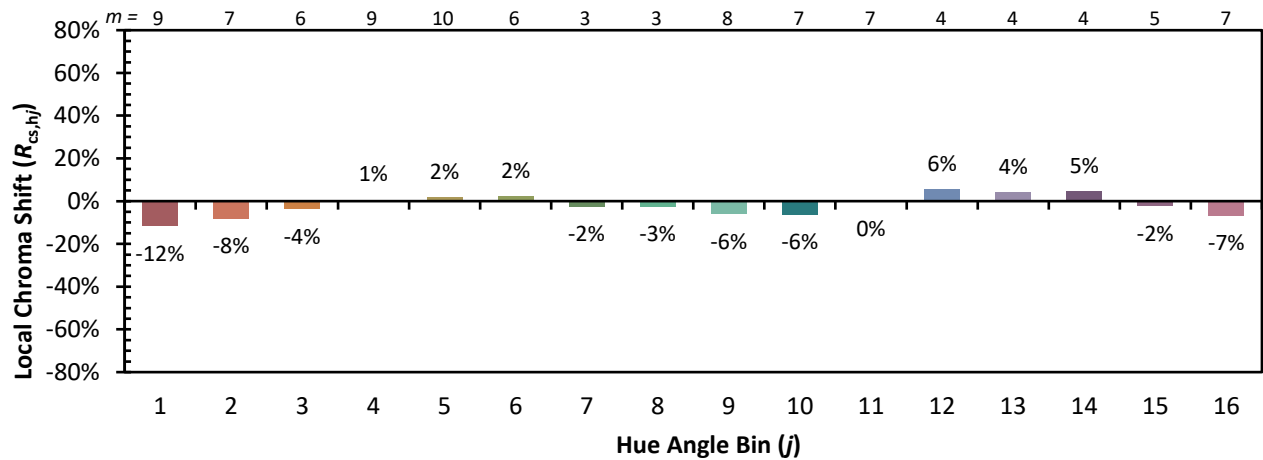


Individual Sample Fidelity Index ($R_{f,i}$)

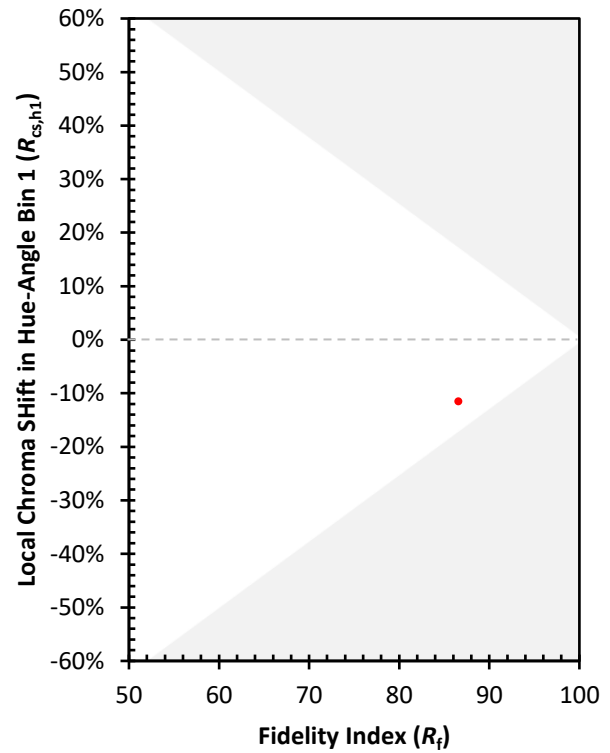
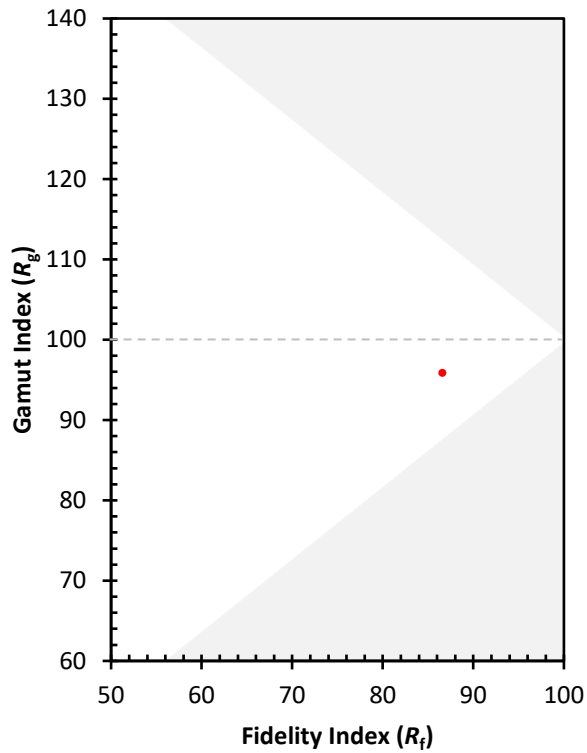
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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