

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: STREETWORKS

Report Number: P1065937

Luminaire Tested: **NVN-SA4A-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065937
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA4A-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12963.8 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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

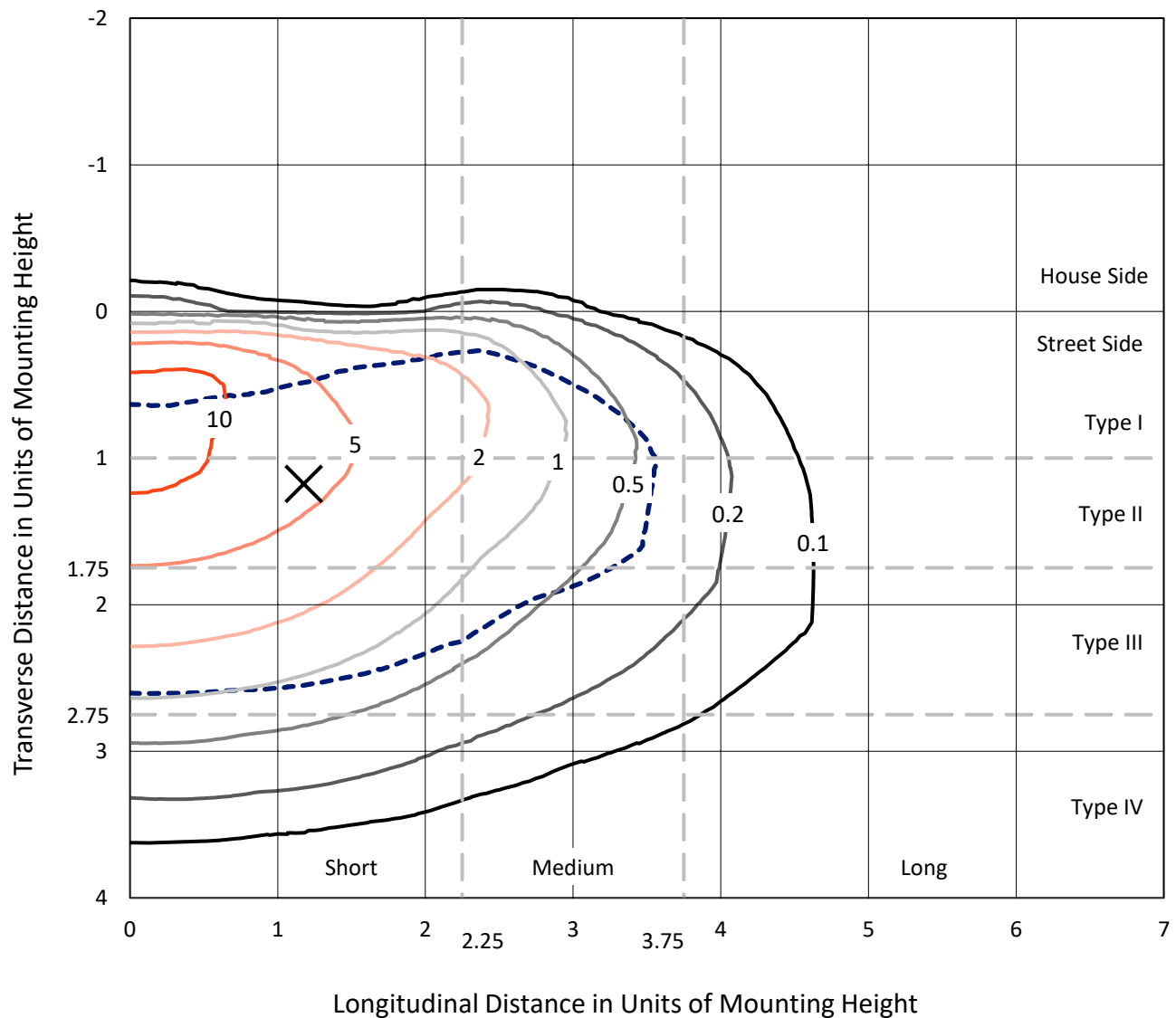


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

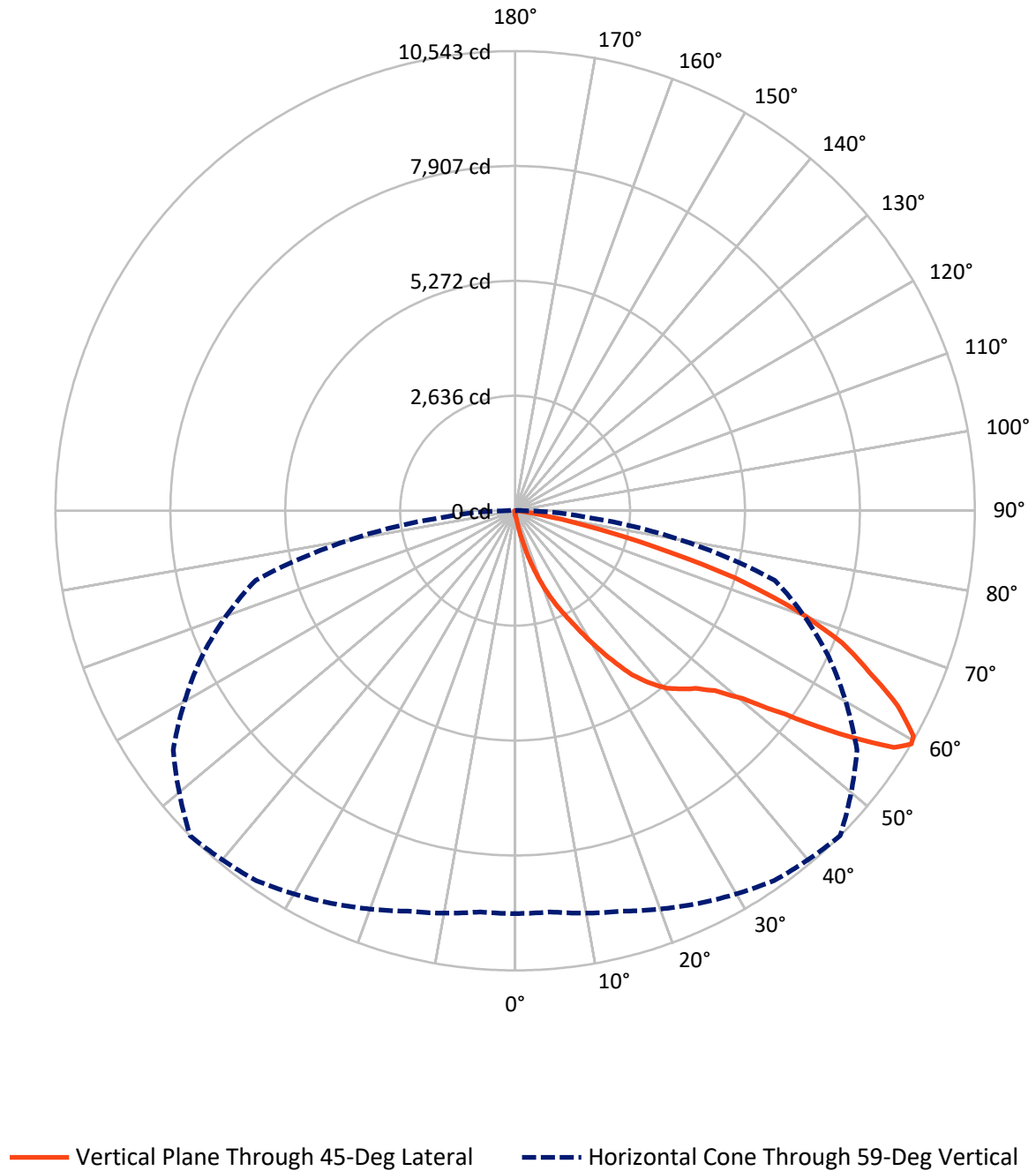


Based on 15 foot mounting height. Maximum calculated value = 14.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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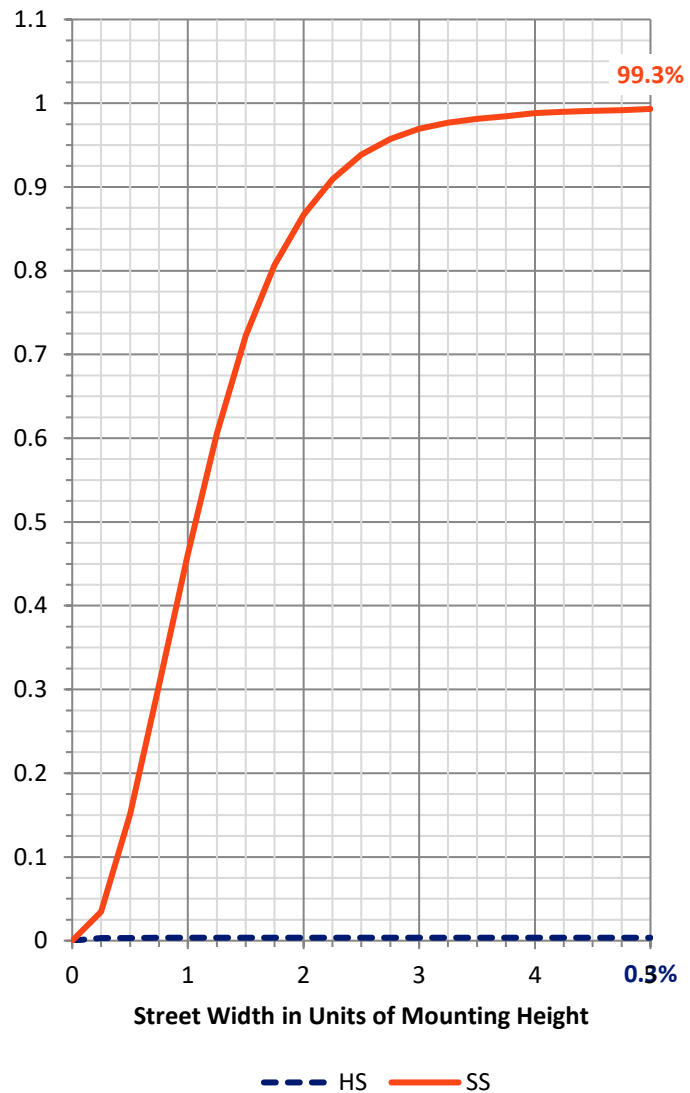
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46.0	0.0	46.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12917.8	0.0	12917.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	12963.8	0.0	12963.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.1
10°-20°	143.3	1.1
20°-30°	514.9	4.0
30°-40°	1196.4	9.2
40°-50°	2039.1	15.7
50°-60°	3360.0	25.9
60°-70°	3884.9	30.0
70°-80°	1669.1	12.9
80°-90°	144.2	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°	12963.8	100.0
0°-180°	12963.8	100.0



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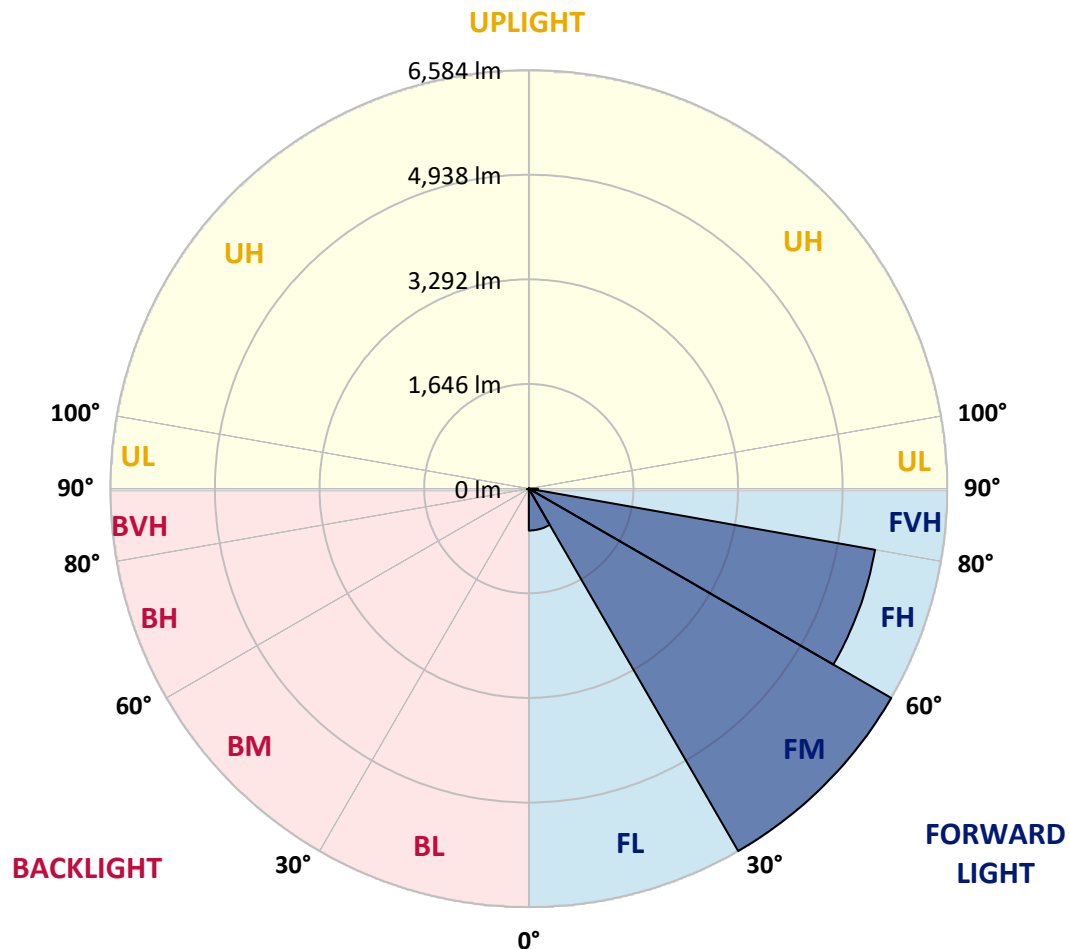
CATALOG NUMBER: NVN-SA4A-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	658.8	5.1			
FM	(30°-60°)	6584.4	50.8			
FH	(60°-80°)	5532.3	42.7			G3/7500
FVH	(80°-90°)	142.4	1.1			G2/225
BL	(0°-30°)	11.4	0.1	B0/110		
BM	(30°-60°)	11.1	0.1	B0/220		
BH	(60°-80°)	21.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	106.3	106.3	103.7	100.2	99.4	96.8	96.8	94.1	90.7	88.0	84.6
5°	154.3	153.4	146.4	137.7	126.4	119.4	119.4	109.8	101.1	93.3	86.3
7.5°	337.3	329.5	304.2	262.4	207.5	170.9	168.2	136.9	115.9	100.2	87.2
10°	774.1	747.0	711.3	611.1	451.5	315.6	309.5	199.6	138.6	108.1	88.9
12.5°	1268.3	1290.1	1218.6	1060.9	874.3	650.3	606.7	336.5	183.1	118.6	90.7
15°	1718.1	1712.9	1672.8	1543.8	1328.5	1030.3	1003.3	584.9	262.4	135.1	92.4
17.5°	2054.6	2048.5	2010.1	1927.3	1761.7	1463.6	1440.0	932.7	411.4	158.6	94.1
20°	2409.4	2401.5	2347.5	2281.2	2136.5	1882.9	1855.0	1321.5	644.2	197.0	94.1
22.5°	2834.7	2819.9	2762.4	2649.9	2497.4	2276.9	2251.6	1719.0	932.7	259.8	98.5
25°	3349.0	3323.8	3244.4	3143.3	2959.4	2666.5	2639.5	2161.8	1280.5	354.8	102.9
27.5°	3935.7	3940.1	3832.8	3662.0	3415.3	3116.3	3065.7	2558.4	1640.5	490.8	108.1
30°	4632.2	4588.6	4437.8	4239.0	3999.3	3618.4	3569.6	2953.3	2045.0	691.3	116.8
32.5°	5284.2	5237.1	5034.0	4783.8	4526.7	4124.8	4084.8	3397.0	2412.8	928.4	132.5
35°	5843.8	5810.7	5526.5	5221.4	4993.1	4633.9	4621.7	3892.1	2845.2	1183.8	149.9
37.5°	6336.3	6276.2	5910.9	5594.5	5362.7	5041.0	5014.8	4345.4	3261.9	1480.1	176.1
40°	6756.5	6723.4	6277.9	5862.1	5673.8	5386.2	5353.1	4742.9	3692.5	1824.5	208.3
42.5°	7206.3	7162.7	6730.3	6264.0	5917.1	5609.3	5587.6	5070.6	4076.0	2202.8	256.3
45°	7714.5	7633.4	7254.2	6835.8	6308.4	5840.3	5815.9	5362.7	4469.2	2609.0	314.7
47.5°	8257.5	8186.9	7880.1	7586.3	6979.6	6221.3	6169.0	5611.1	4859.7	3077.9	388.8
50°	8810.2	8811.9	8581.8	8440.6	7799.9	6840.2	6766.1	5976.3	5270.3	3580.0	498.6
52.5°	9453.5	9470.1	9466.6	9362.0	8865.1	7852.2	7752.8	6530.7	5747.1	4165.8	650.3
55°	9722.9	9752.5	9945.1	10177.0	10041.9	9135.3	9029.0	7487.0	6379.0	4818.7	875.2
57.5°	9502.3	9535.4	9801.3	10207.5	10517.8	10259.0	10246.7	8731.7	7211.5	5610.2	1243.0
59°	9239.9	9235.6	9508.4	9939.0	10357.5	10525.7	10543.1	9573.8	7936.8	6165.5	1560.3
60°	9065.6	9069.1	9250.4	9692.4	10136.9	10428.9	10496.9	10069.8	8360.4	6564.7	1832.3
62.5°	8392.7	8432.8	8576.6	8987.2	9409.1	9735.1	9851.0	10511.7	9572.9	7507.9	2778.1
65°	7661.3	7663.9	7868.8	8220.1	8624.5	8853.8	8927.0	9824.0	10382.7	8468.5	4018.5
67.5°	6356.4	6409.6	6642.3	7211.5	7745.9	8036.1	8091.9	8551.3	10047.1	9094.4	4640.0
70°	4448.2	4518.0	4850.1	5588.4	6384.3	6861.1	6857.6	7108.7	8842.5	8815.4	3933.9
72.5°	2221.1	2341.4	2612.5	3403.1	4367.2	5116.0	5273.7	5718.3	7103.4	7322.2	2935.0
75°	981.5	988.5	1142.8	1541.2	2170.5	3121.5	3262.7	4538.9	5449.8	5088.9	2120.0
77.5°	571.0	576.2	604.1	692.1	879.5	1529.8	1688.5	2976.8	3851.1	2957.7	1382.5
80°	207.5	212.7	211.8	262.4	385.3	602.3	671.2	1442.7	2568.9	1557.7	724.4
82.5°	127.3	127.3	122.9	123.8	140.3	231.0	252.8	614.5	1250.9	767.1	207.5
85°	62.8	66.2	70.6	79.3	94.1	114.2	121.2	176.1	421.0	185.7	49.7
87.5°	37.5	38.4	41.8	50.6	62.8	81.9	87.2	119.4	150.8	124.7	12.2
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: NVN-SA4A-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2.5°	82.8	81.9	77.6	74.1	70.6	67.1	64.5	61.9	61.9	62.8	61.9
5°	82.8	79.3	72.4	66.2	61.0	56.7	52.3	48.8	47.9	47.9	48.8
7.5°	81.9	77.6	68.0	60.1	53.2	47.1	42.7	38.4	37.5	38.4	37.5
10°	81.1	75.8	64.5	54.9	45.3	39.2	33.1	28.8	28.8	28.8	29.6
12.5°	81.1	73.2	61.0	49.7	39.2	32.3	26.2	21.8	20.9	20.9	20.9
15°	80.2	71.5	57.5	43.6	33.1	24.4	19.2	14.8	14.8	14.8	14.8
17.5°	78.5	68.9	53.2	38.4	26.2	18.3	13.1	8.7	8.7	10.5	10.5
20°	76.7	66.2	47.9	31.4	21.8	13.9	8.7	5.2	5.2	7.8	8.7
22.5°	77.6	66.2	44.5	27.9	17.4	10.5	7.0	4.4	3.5	6.1	7.8
25°	78.5	64.5	40.1	24.4	13.1	7.8	5.2	1.7	0.9	1.7	2.6
27.5°	78.5	62.8	34.9	19.2	9.6	6.1	2.6	0.0	0.0	0.0	0.0
30°	77.6	60.1	30.5	15.7	7.0	3.5	0.9	0.0	0.0	0.0	0.0
32.5°	76.7	57.5	27.9	12.2	6.1	1.7	0.0	0.0	0.0	0.0	0.0
35°	77.6	54.0	24.4	9.6	3.5	0.0	0.0	0.0	0.0	0.0	1.7
37.5°	80.2	50.6	20.9	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	83.7	47.9	17.4	6.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	90.7	47.9	15.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	99.4	47.9	13.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	110.7	48.8	11.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	124.7	50.6	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	135.1	48.8	9.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	153.4	47.1	8.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	177.8	44.5	8.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	202.2	41.0	8.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	230.1	39.2	7.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	380.1	34.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	734.0	33.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1186.4	33.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1247.4	33.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	829.9	27.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	444.6	24.4	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	239.7	22.7	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	105.5	16.6	4.4	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	41.8	11.3	5.2	4.4	3.5	1.7	0.0	0.0	0.0	0.0	0.0
85°	20.0	8.7	7.0	6.1	4.4	2.6	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	8.7	7.8	7.0	6.1	4.4	0.9	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

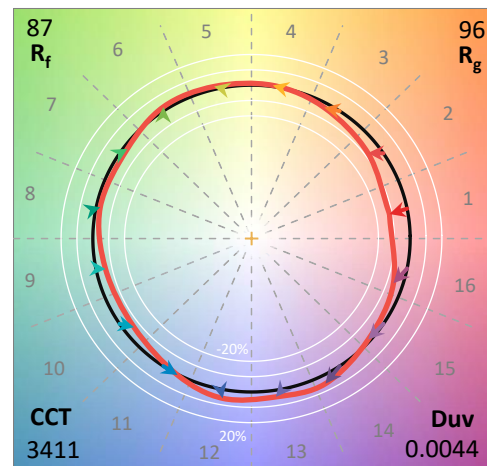
Test Information

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

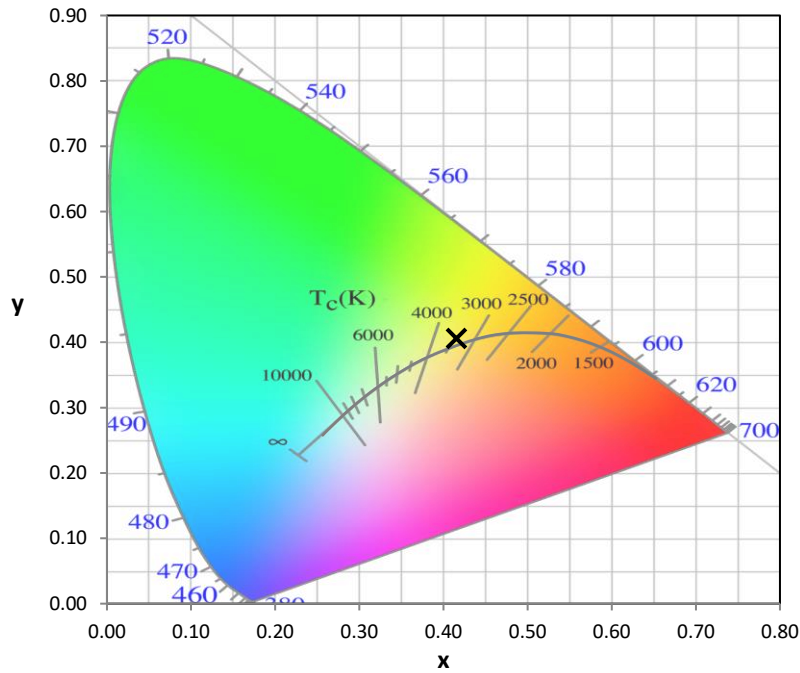
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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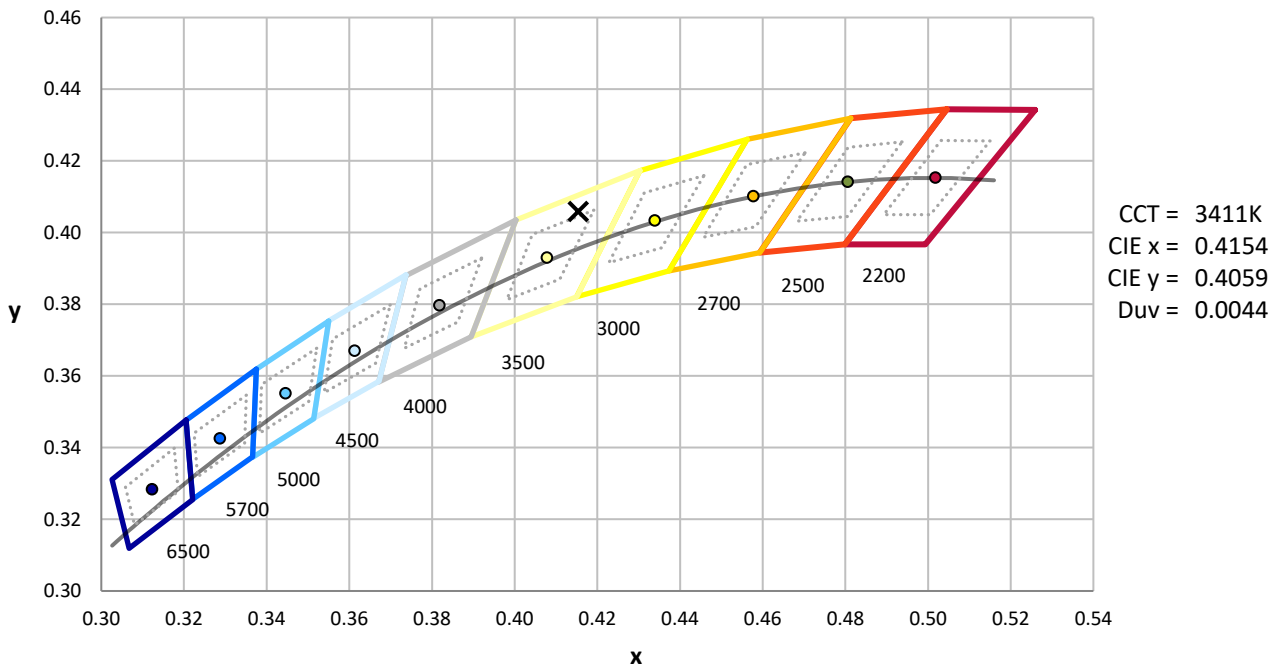
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



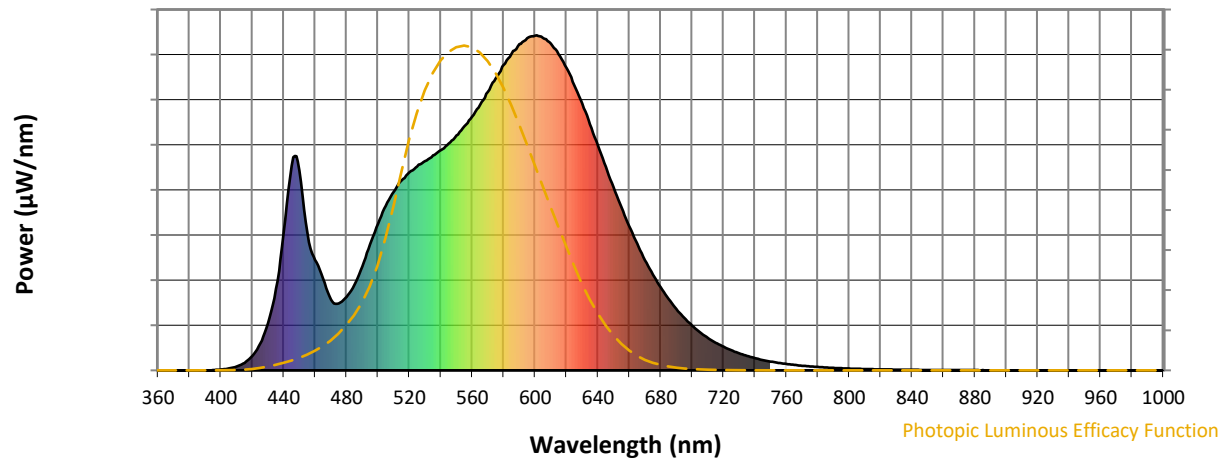
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

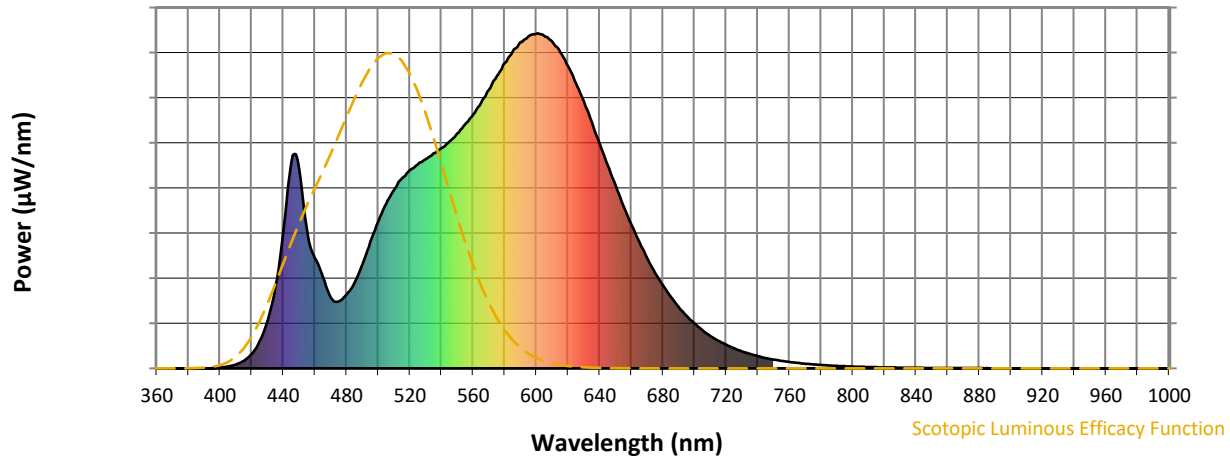


Photopic Lumens: NR

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



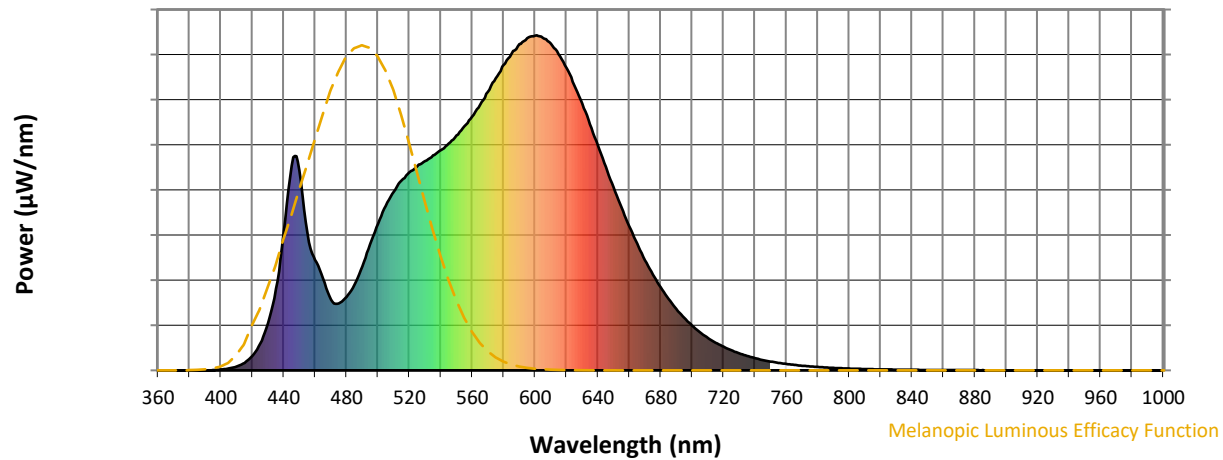
Scotopic Lumens: NR

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

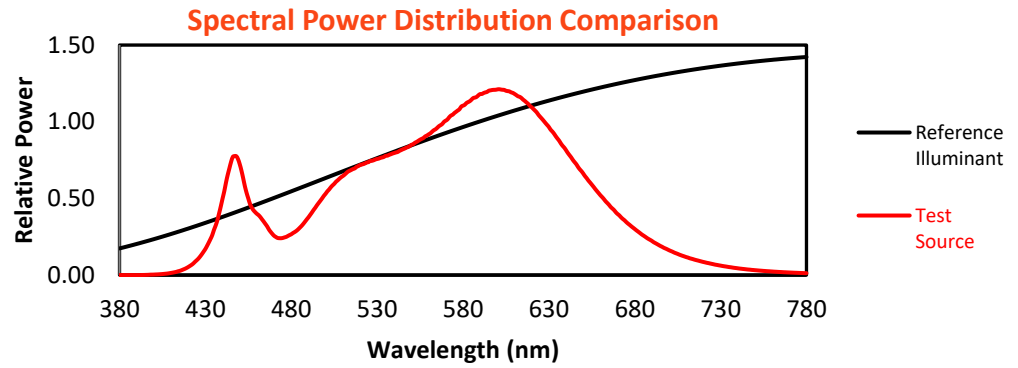
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311	NR	620	903	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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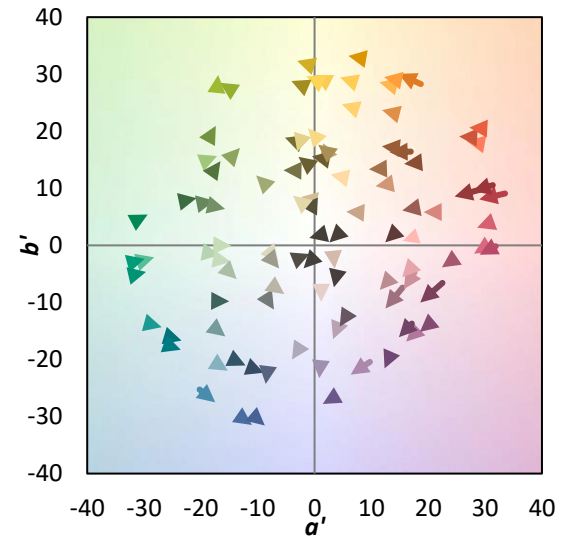
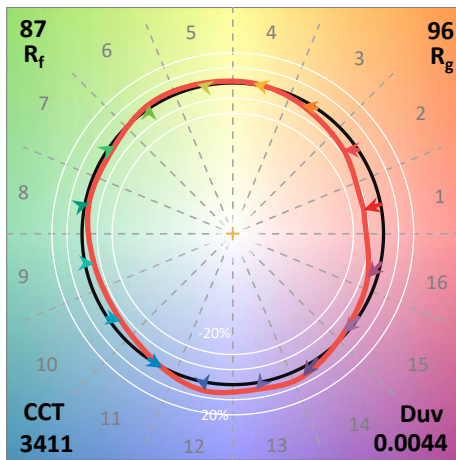
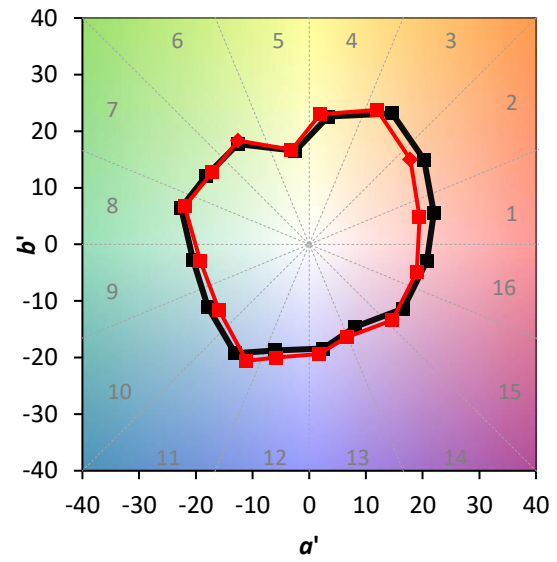
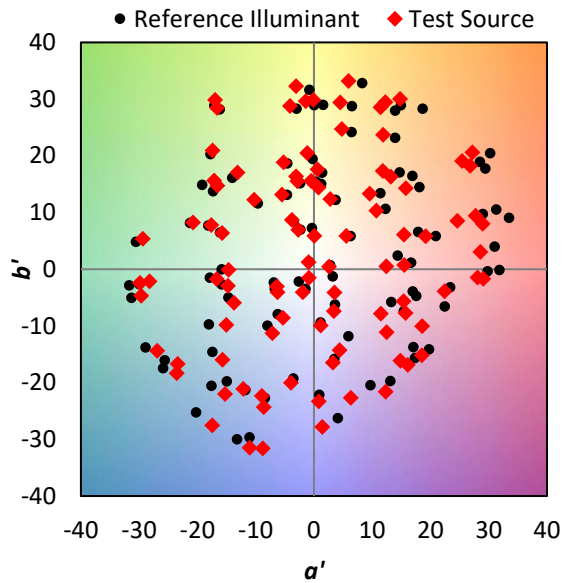
TM-30-18

Summary

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

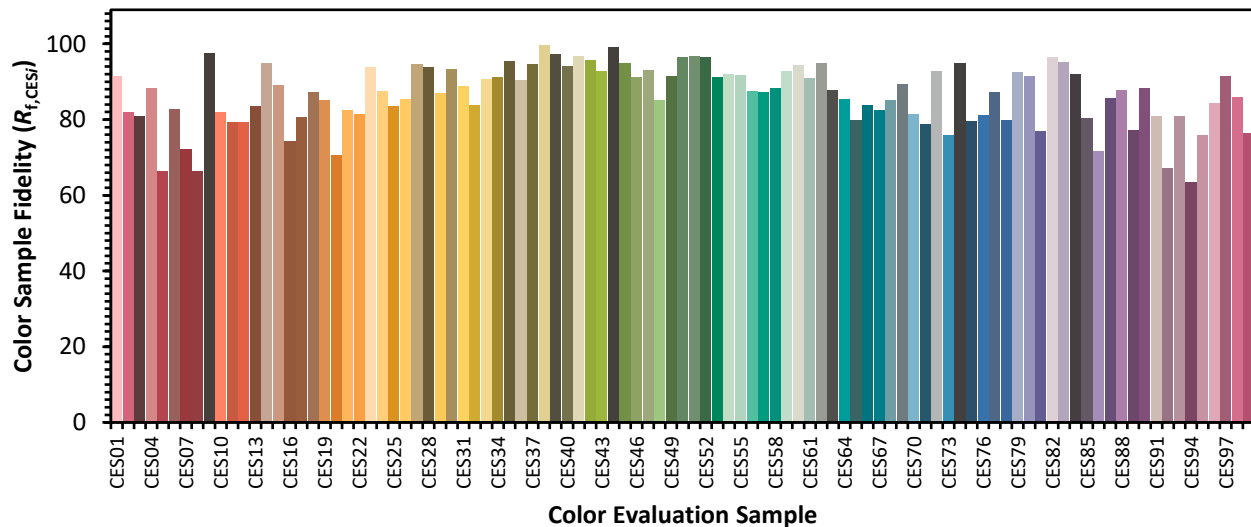


Color Vector Graphics

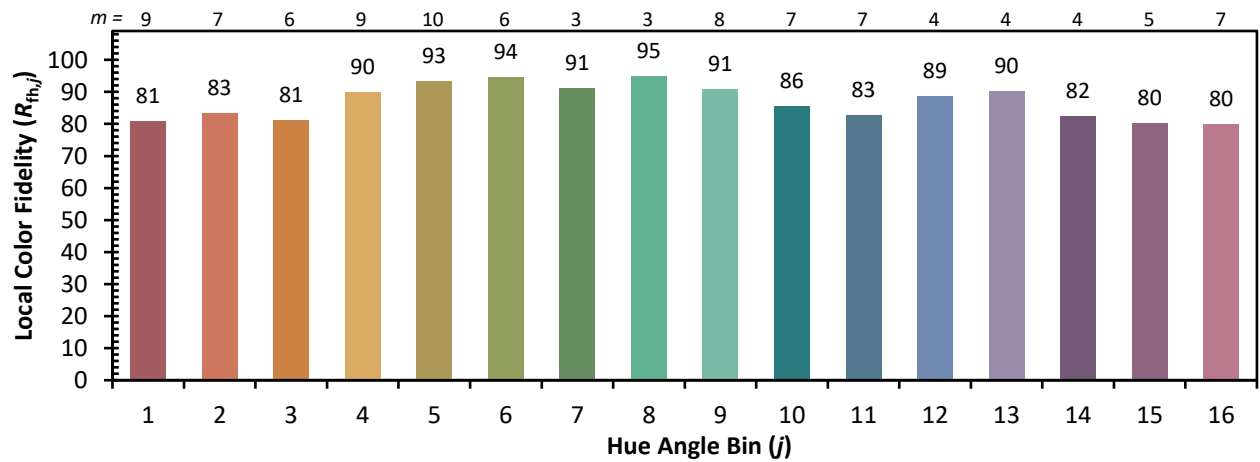
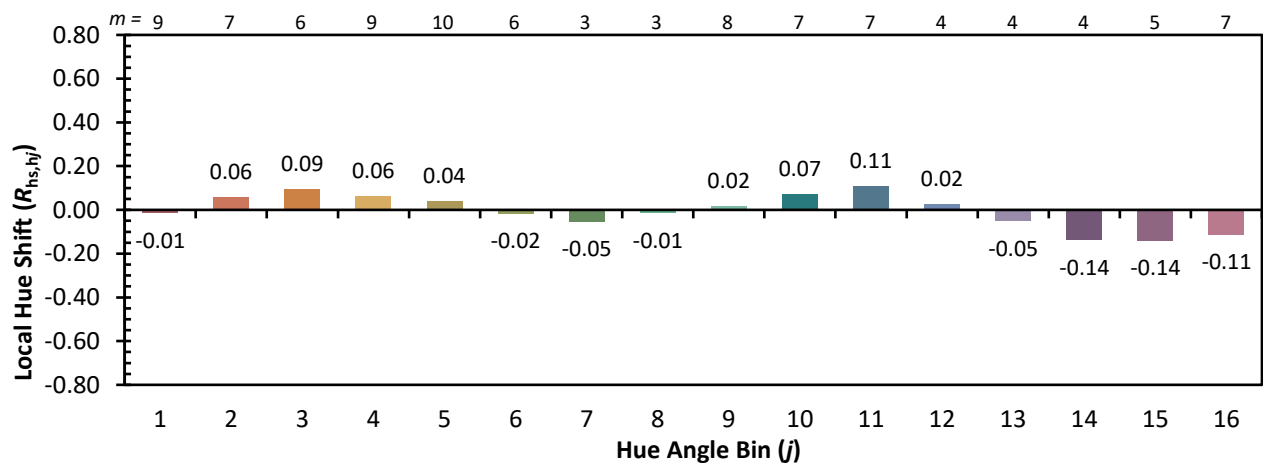
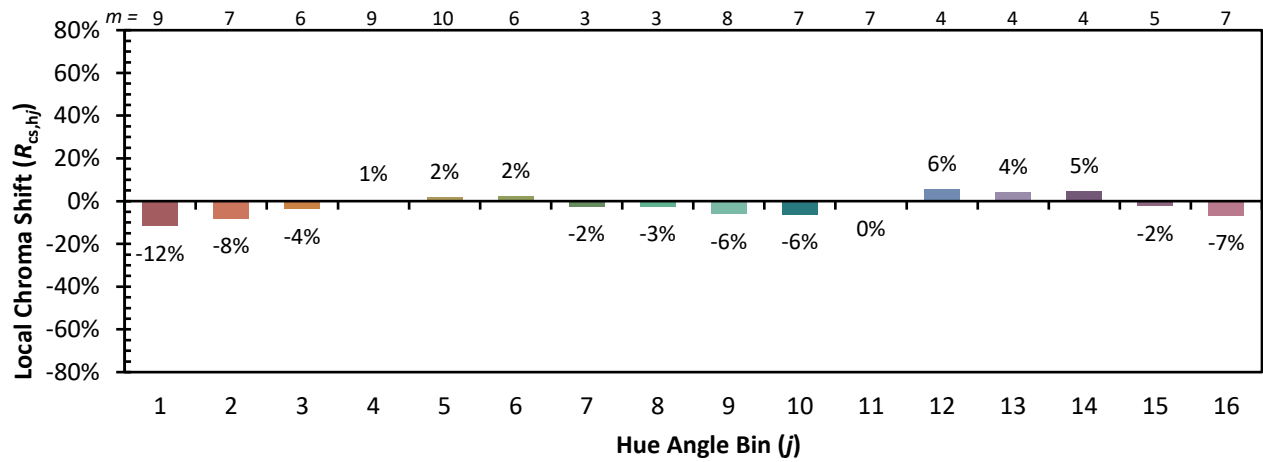


Individual Sample Fidelity Index ($R_{f,i}$)

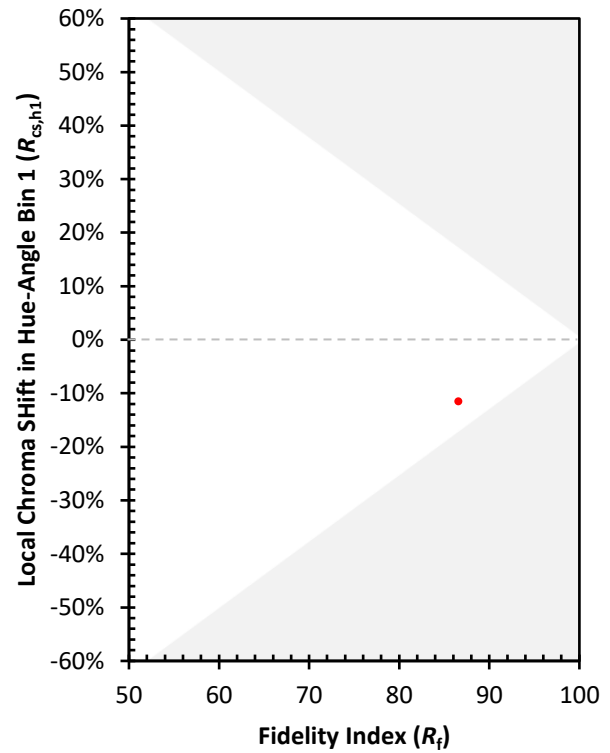
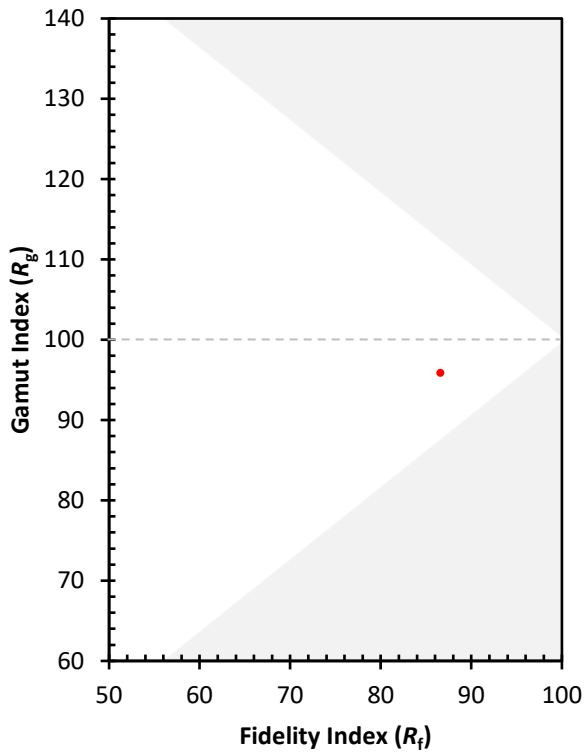
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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