

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: P1065932

Luminaire Tested: **NVN-SA2D-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065932
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2D-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11239.7 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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

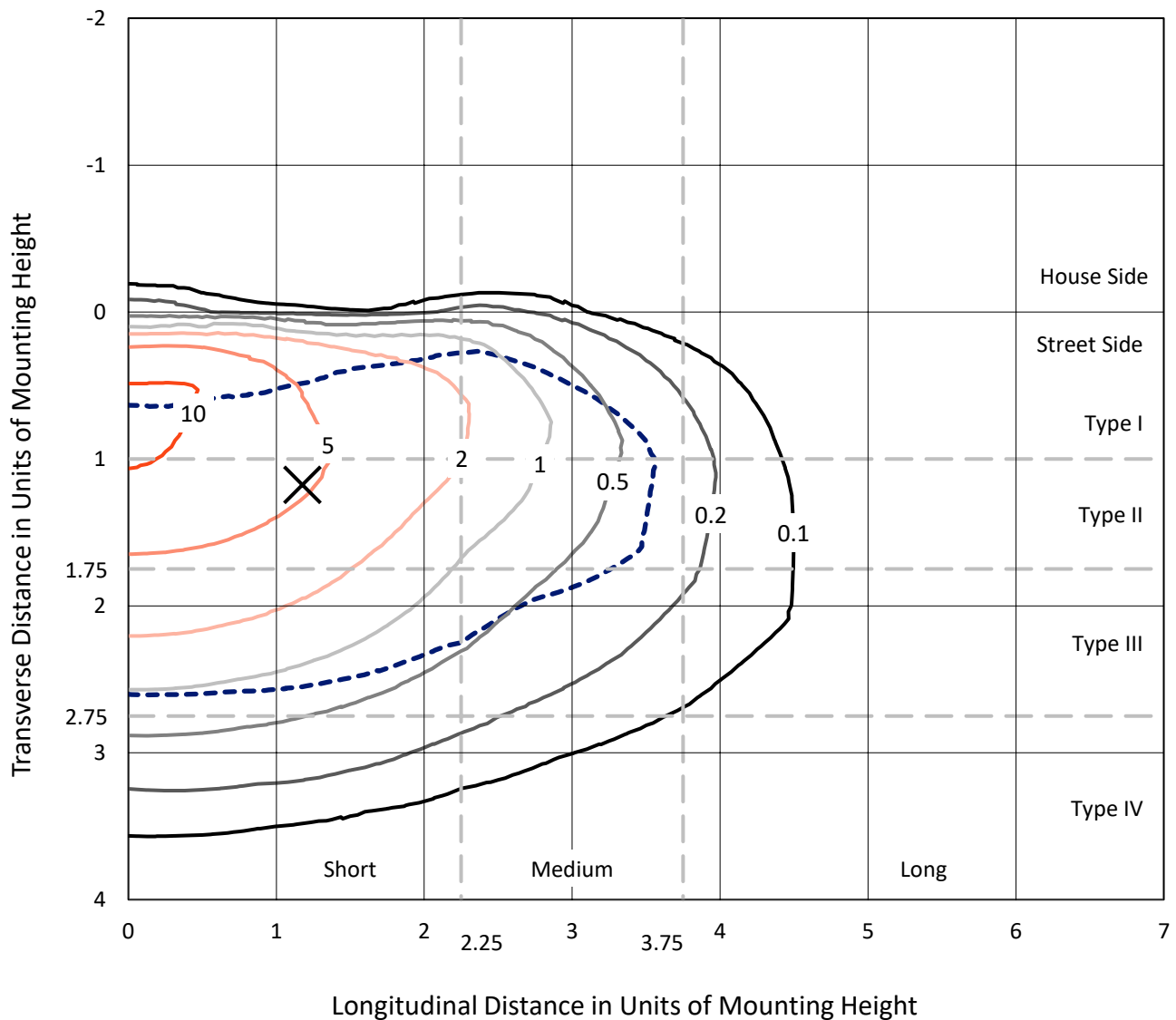


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CATALOG NUMBER: NVN-SA2D-835-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

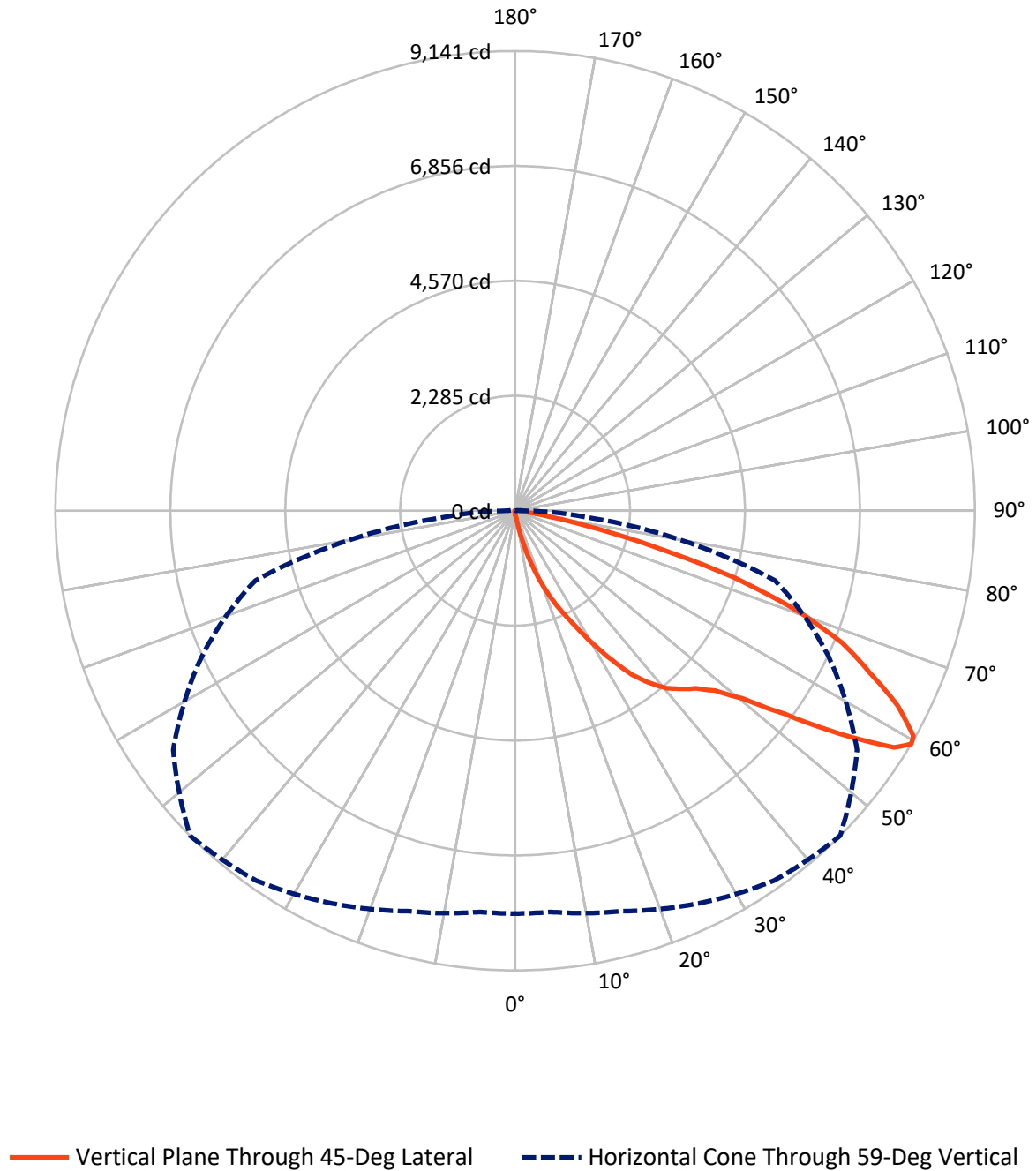


Based on 15 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39.9	0.0	39.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11199.8	0.0	11199.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	11239.7	0.0	11239.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.1
10°-20°	124.2	1.1
20°-30°	446.4	4.0
30°-40°	1037.3	9.2
40°-50°	1767.9	15.7
50°-60°	2913.1	25.9
60°-70°	3368.2	30.0
70°-80°	1447.1	12.9
80°-90°	125.0	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°	11239.7	100.0
0°-180°	11239.7	100.0



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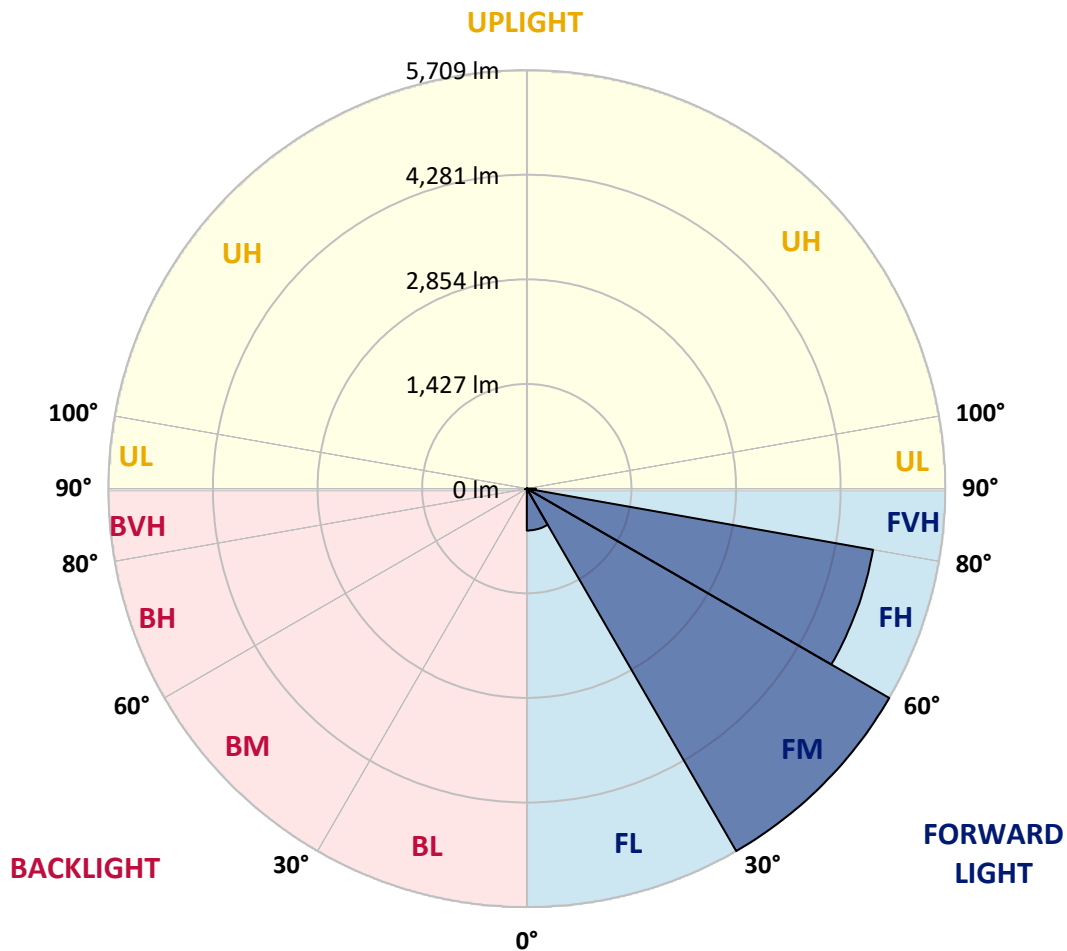
CATALOG NUMBER: NVN-SA2D-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.2	5.1			
FM	(30°-60°)	5708.6	50.8			
FH	(60°-80°)	4796.5	42.7			G2/5000
FVH	(80°-90°)	123.4	1.1			G2/225
BL	(0°-30°)	9.8	0.1	B0/110		
BM	(30°-60°)	9.7	0.1	B0/220		
BH	(60°-80°)	18.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	92.2	92.2	89.9	86.9	86.2	83.9	83.9	81.6	78.6	76.3	73.3
5°	133.8	133.0	127.0	119.4	109.6	103.5	103.5	95.2	87.7	80.9	74.8
7.5°	292.5	285.7	263.8	227.5	179.9	148.1	145.9	118.7	100.5	86.9	75.6
10°	671.1	647.7	616.7	529.8	391.5	273.6	268.3	173.1	120.2	93.7	77.1
12.5°	1099.6	1118.5	1056.5	919.8	758.0	563.8	526.0	291.7	158.7	102.8	78.6
15°	1489.6	1485.1	1450.3	1338.4	1151.8	893.3	869.9	507.1	227.5	117.1	80.1
17.5°	1781.3	1776.0	1742.8	1671.0	1527.4	1268.9	1248.5	808.7	356.7	137.5	81.6
20°	2088.9	2082.1	2035.3	1977.8	1852.4	1632.4	1608.3	1145.7	558.5	170.8	81.6
22.5°	2457.7	2444.9	2395.0	2297.5	2165.2	1974.0	1952.1	1490.4	808.7	225.2	85.4
25°	2903.6	2881.7	2812.9	2725.3	2565.8	2311.9	2288.4	1874.3	1110.2	307.6	89.2
27.5°	3412.2	3416.0	3323.1	3174.9	2961.1	2701.8	2658.0	2218.1	1422.3	425.5	93.7
30°	4016.1	3978.3	3847.6	3675.3	3467.4	3137.2	3094.8	2560.5	1773.0	599.3	101.3
32.5°	4581.4	4540.6	4364.5	4147.6	3924.7	3576.2	3541.5	2945.2	2091.9	804.9	114.9
35°	5066.6	5037.9	4791.5	4527.0	4329.0	4017.6	4007.0	3374.5	2466.8	1026.3	130.0
37.5°	5493.6	5441.5	5124.8	4850.5	4649.4	4370.5	4347.9	3767.5	2828.0	1283.3	152.7
40°	5857.9	5829.2	5443.0	5082.5	4919.2	4669.8	4641.1	4112.1	3201.4	1581.8	180.6
42.5°	6247.9	6210.1	5835.2	5430.9	5130.1	4863.3	4844.4	4396.2	3533.9	1909.8	222.2
45°	6688.5	6618.2	6289.4	5926.7	5469.4	5063.6	5042.4	4649.4	3874.8	2262.0	272.8
47.5°	7159.3	7098.1	6832.1	6577.4	6051.4	5393.8	5348.5	4864.8	4213.4	2668.6	337.1
50°	7638.4	7640.0	7440.4	7318.0	6762.5	5930.4	5866.2	5181.5	4569.3	3103.9	432.3
52.5°	8196.2	8210.6	8207.5	8116.8	7686.1	6807.9	6721.7	5662.1	4982.7	3611.8	563.8
55°	8429.7	8455.4	8622.4	8823.5	8706.3	7920.3	7828.1	6491.2	5530.6	4177.8	758.8
57.5°	8238.5	8267.2	8497.7	8849.9	9119.0	8894.5	8883.9	7570.4	6252.4	4864.1	1077.7
59°	8011.0	8007.3	8243.8	8617.2	8979.9	9125.8	9140.9	8300.5	6881.2	5345.5	1352.8
60°	7859.9	7862.9	8020.1	8403.3	8788.7	9041.9	9100.8	8730.5	7248.5	5691.6	1588.6
62.5°	7276.4	7311.2	7435.9	7791.9	8157.7	8440.3	8540.8	9113.7	8299.7	6509.3	2408.6
65°	6642.4	6644.6	6822.2	7126.8	7477.5	7676.2	7739.7	8517.4	9001.8	7342.2	3484.0
67.5°	5511.0	5557.1	5758.9	6252.4	6715.7	6967.3	7015.7	7414.0	8710.9	7884.8	4022.9
70°	3856.6	3917.1	4205.0	4845.2	5535.2	5948.6	5945.5	6163.2	7666.4	7643.0	3410.7
72.5°	1925.7	2030.0	2265.0	2950.5	3786.3	4435.5	4572.3	4957.8	6158.7	6348.4	2544.6
75°	851.0	857.0	990.8	1336.2	1881.8	2706.4	2828.8	3935.2	4725.0	4412.1	1838.0
77.5°	495.0	499.6	523.7	600.1	762.6	1326.4	1463.9	2580.9	3338.9	2564.3	1198.6
80°	179.9	184.4	183.6	227.5	334.0	522.2	581.9	1250.8	2227.2	1350.5	628.0
82.5°	110.3	110.3	106.6	107.3	121.7	200.3	219.2	532.8	1084.5	665.1	179.9
85°	54.4	57.4	61.2	68.8	81.6	99.0	105.1	152.7	365.0	161.0	43.1
87.5°	32.5	33.3	36.3	43.8	54.4	71.0	75.6	103.5	130.7	108.1	10.6
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	71.8	71.0	67.3	64.2	61.2	58.2	55.9	53.7	53.7	54.4	53.7
5°	71.8	68.8	62.7	57.4	52.9	49.1	45.3	42.3	41.6	41.6	42.3
7.5°	71.0	67.3	58.9	52.1	46.1	40.8	37.0	33.3	32.5	33.3	32.5
10°	70.3	65.8	55.9	47.6	39.3	34.0	28.7	24.9	24.9	24.9	25.7
12.5°	70.3	63.5	52.9	43.1	34.0	28.0	22.7	18.9	18.1	18.1	18.1
15°	69.5	62.0	49.9	37.8	28.7	21.2	16.6	12.8	12.8	12.8	12.8
17.5°	68.0	59.7	46.1	33.3	22.7	15.9	11.3	7.6	7.6	9.1	9.1
20°	66.5	57.4	41.6	27.2	18.9	12.1	7.6	4.5	4.5	6.8	7.6
22.5°	67.3	57.4	38.5	24.2	15.1	9.1	6.0	3.8	3.0	5.3	6.8
25°	68.0	55.9	34.8	21.2	11.3	6.8	4.5	1.5	0.8	1.5	2.3
27.5°	68.0	54.4	30.2	16.6	8.3	5.3	2.3	0.0	0.0	0.0	0.0
30°	67.3	52.1	26.5	13.6	6.0	3.0	0.8	0.0	0.0	0.0	0.0
32.5°	66.5	49.9	24.2	10.6	5.3	1.5	0.0	0.0	0.0	0.0	0.0
35°	67.3	46.9	21.2	8.3	3.0	0.0	0.0	0.0	0.0	0.0	1.5
37.5°	69.5	43.8	18.1	6.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
40°	72.6	41.6	15.1	5.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	78.6	41.6	13.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	86.2	41.6	11.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	96.0	42.3	9.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	108.1	43.8	9.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	117.1	42.3	8.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	133.0	40.8	7.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	154.2	38.5	7.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	175.3	35.5	7.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	199.5	34.0	6.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	329.5	30.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	636.3	28.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1028.6	28.7	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1081.5	28.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	719.5	23.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	385.4	21.2	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	207.8	19.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	91.4	14.4	3.8	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.3	9.8	4.5	3.8	3.0	1.5	0.0	0.0	0.0	0.0	0.0
85°	17.4	7.6	6.0	5.3	3.8	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	8.3	7.6	6.8	6.0	5.3	3.8	0.8	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

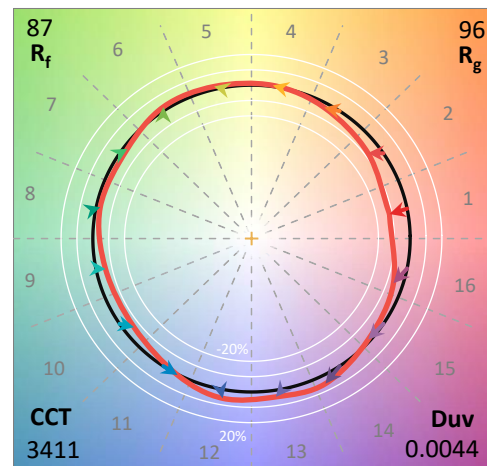
Test Information

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

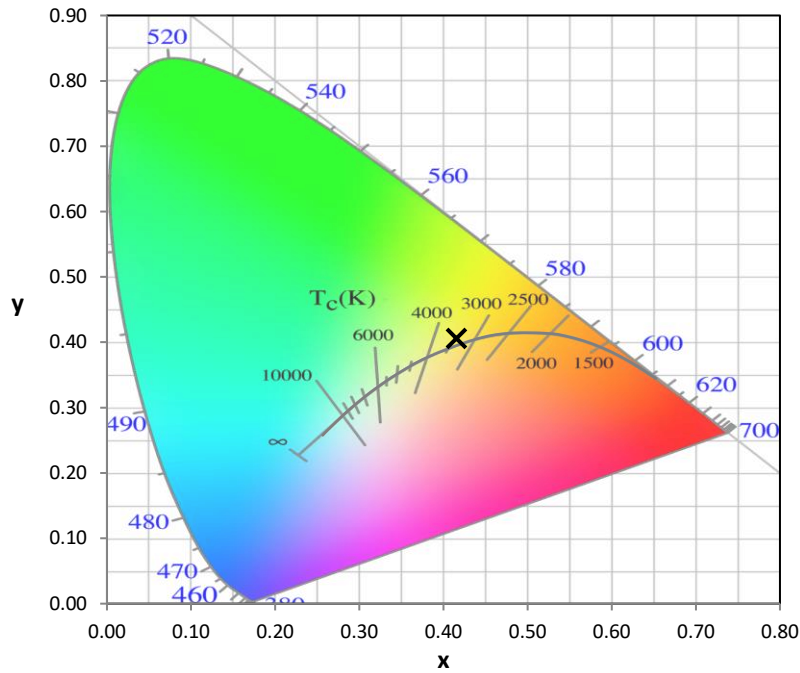
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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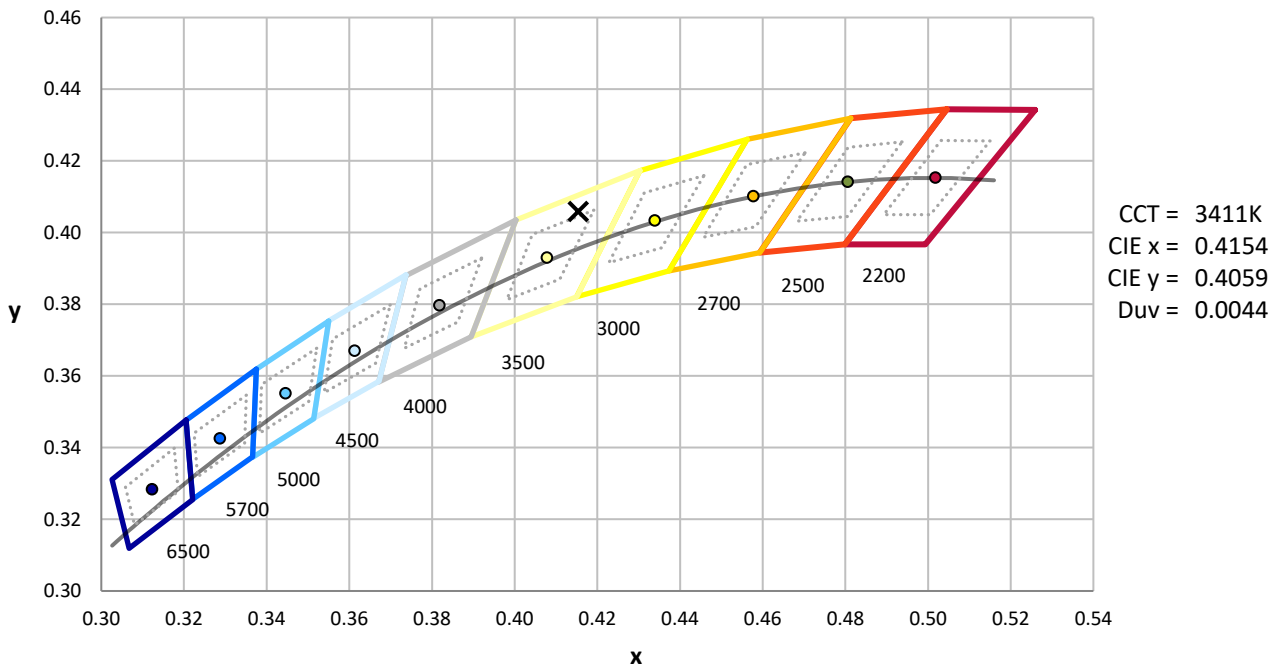
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



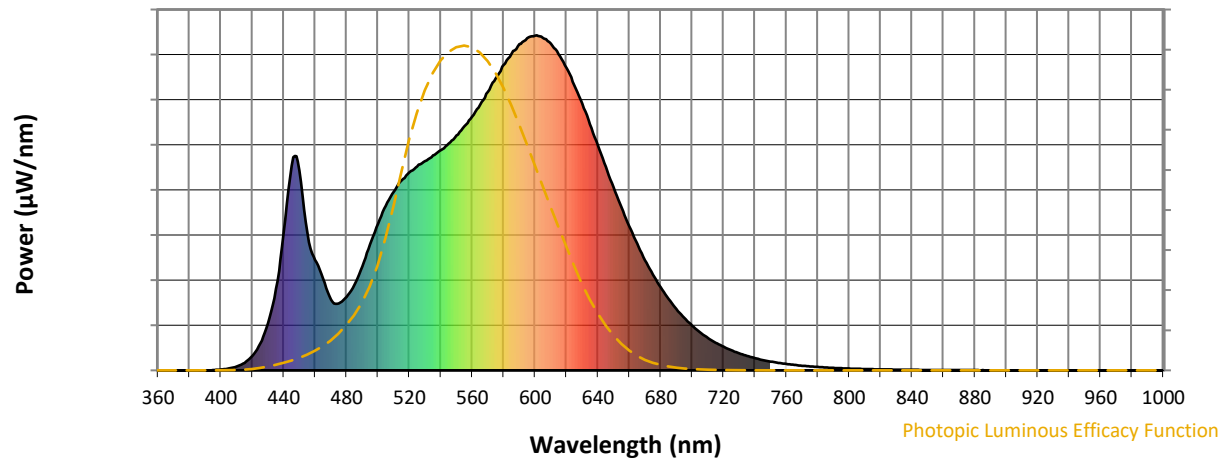
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

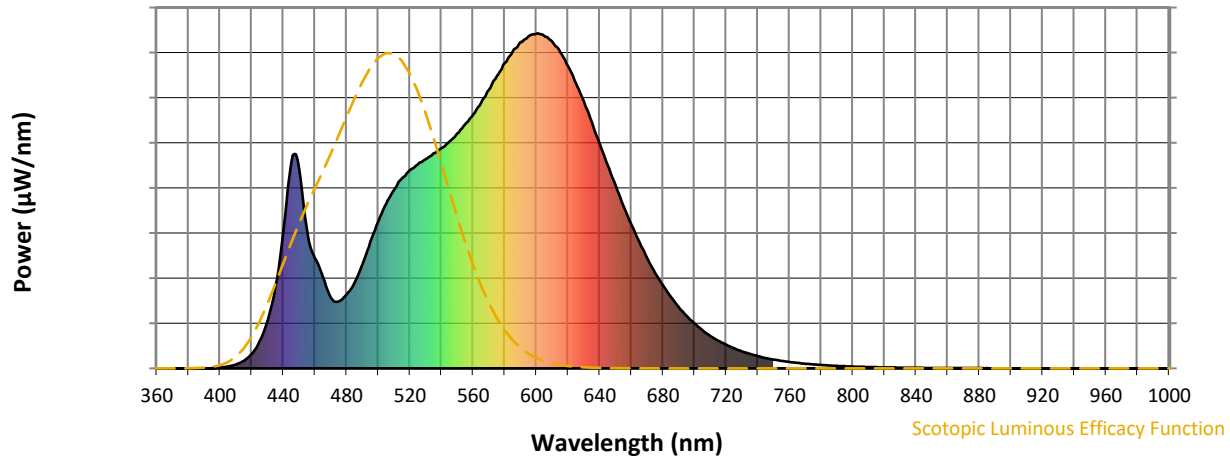


Photopic Lumens: NR

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



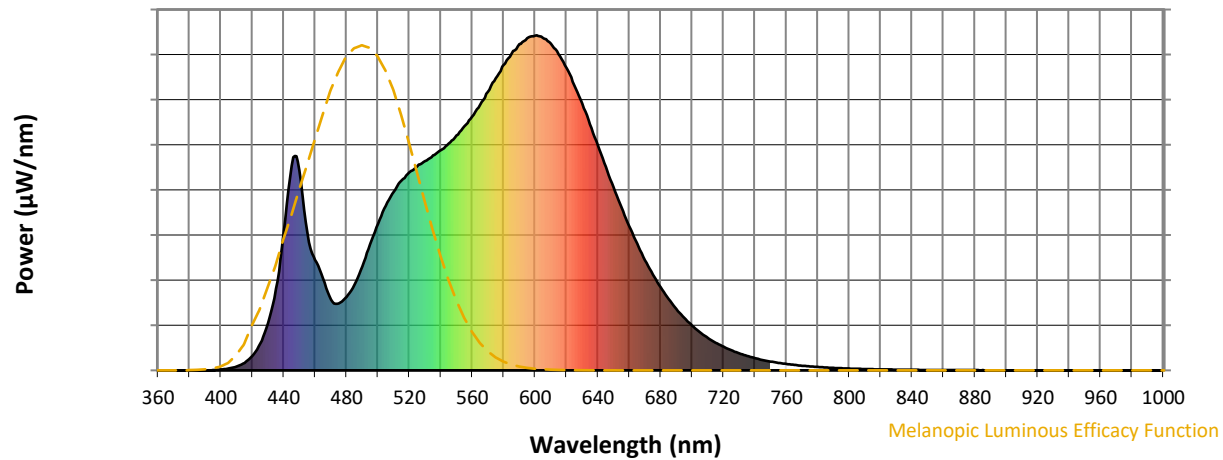
Scotopic Lumens: NR

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

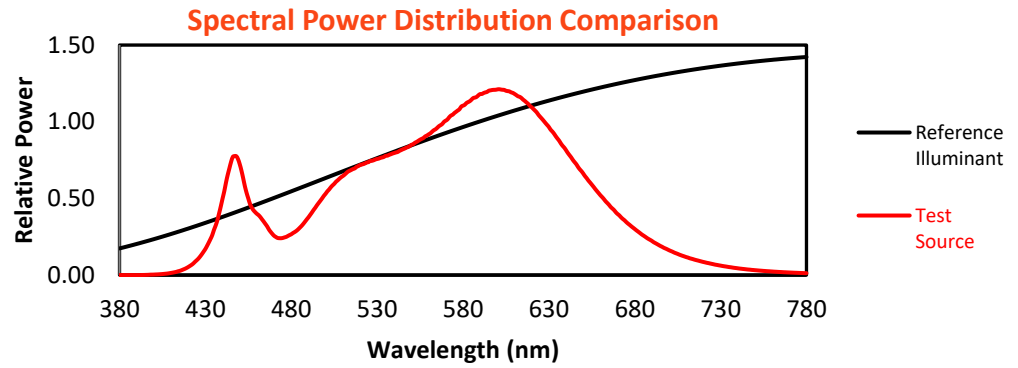
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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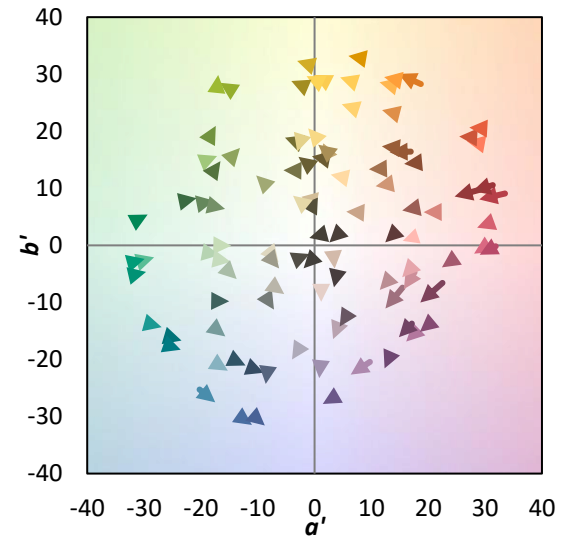
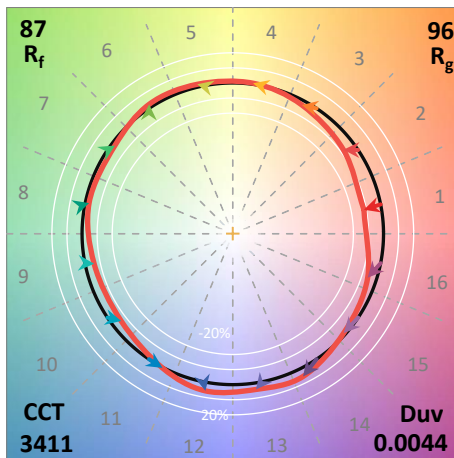
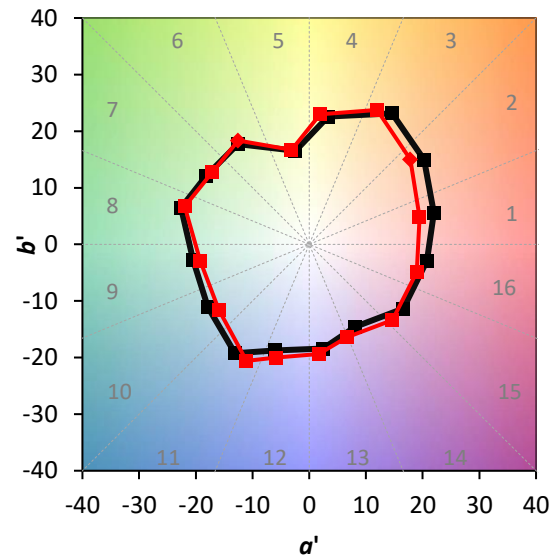
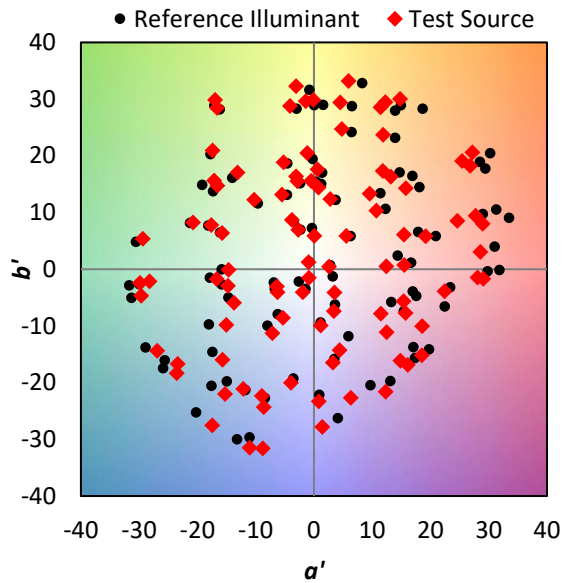
TM-30-18

Summary

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

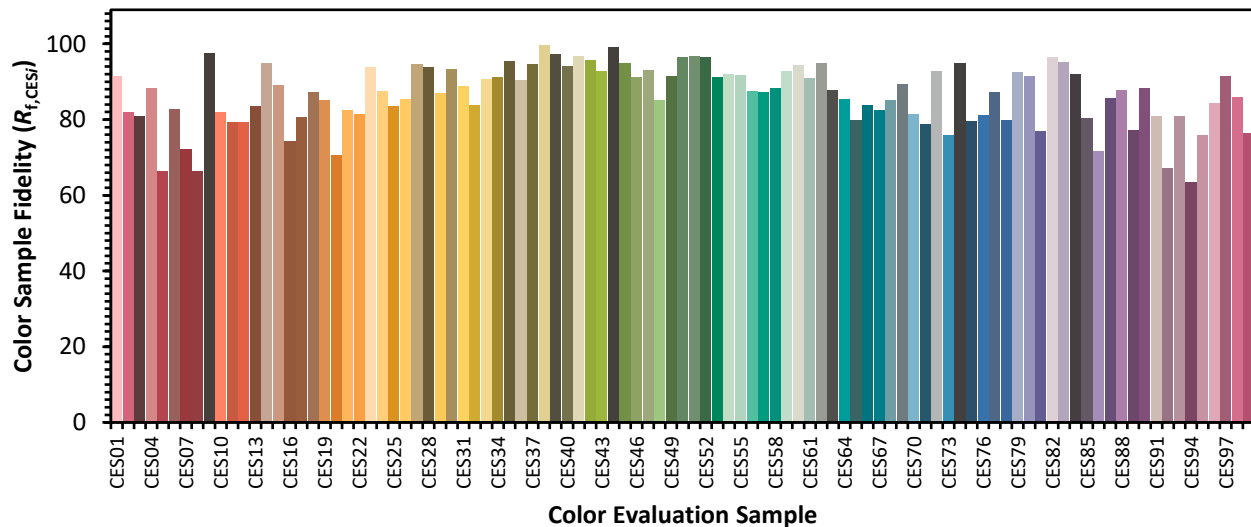


Color Vector Graphics

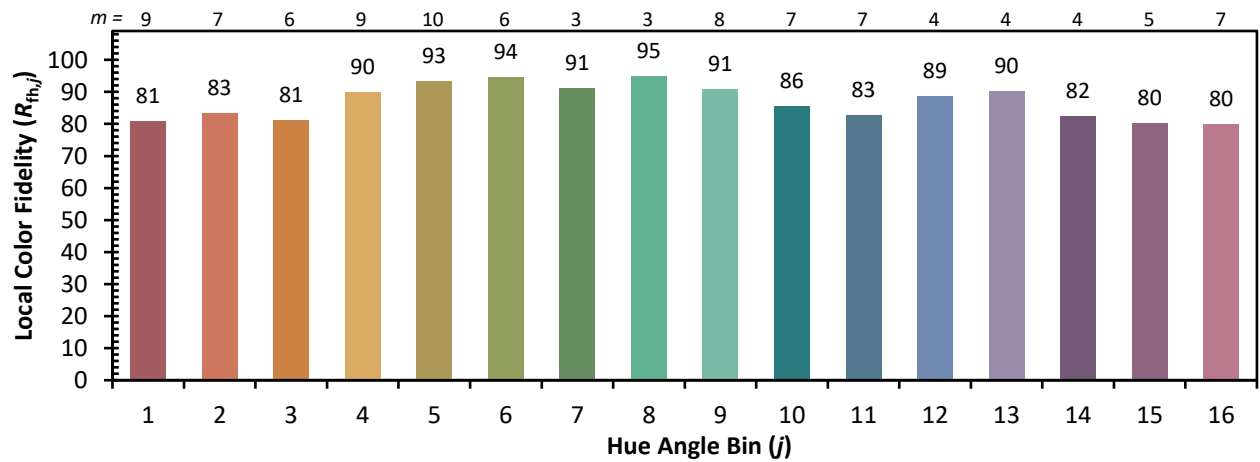
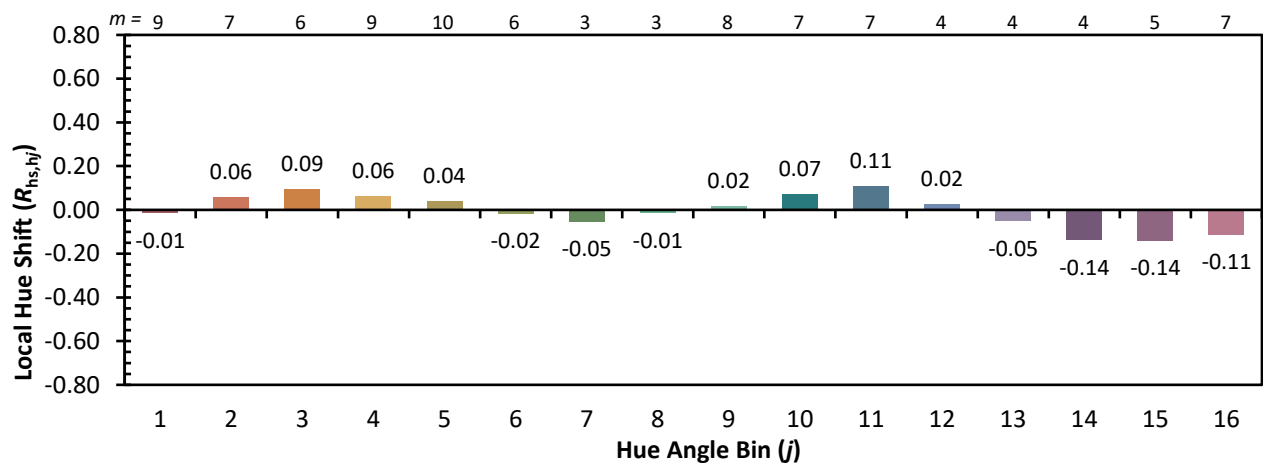
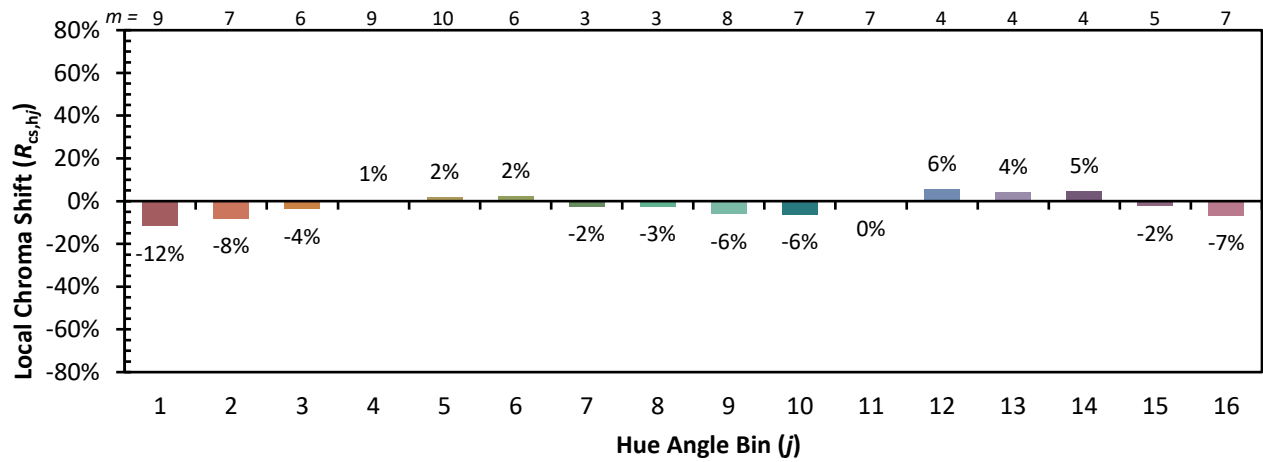


Individual Sample Fidelity Index ($R_{f,i}$)

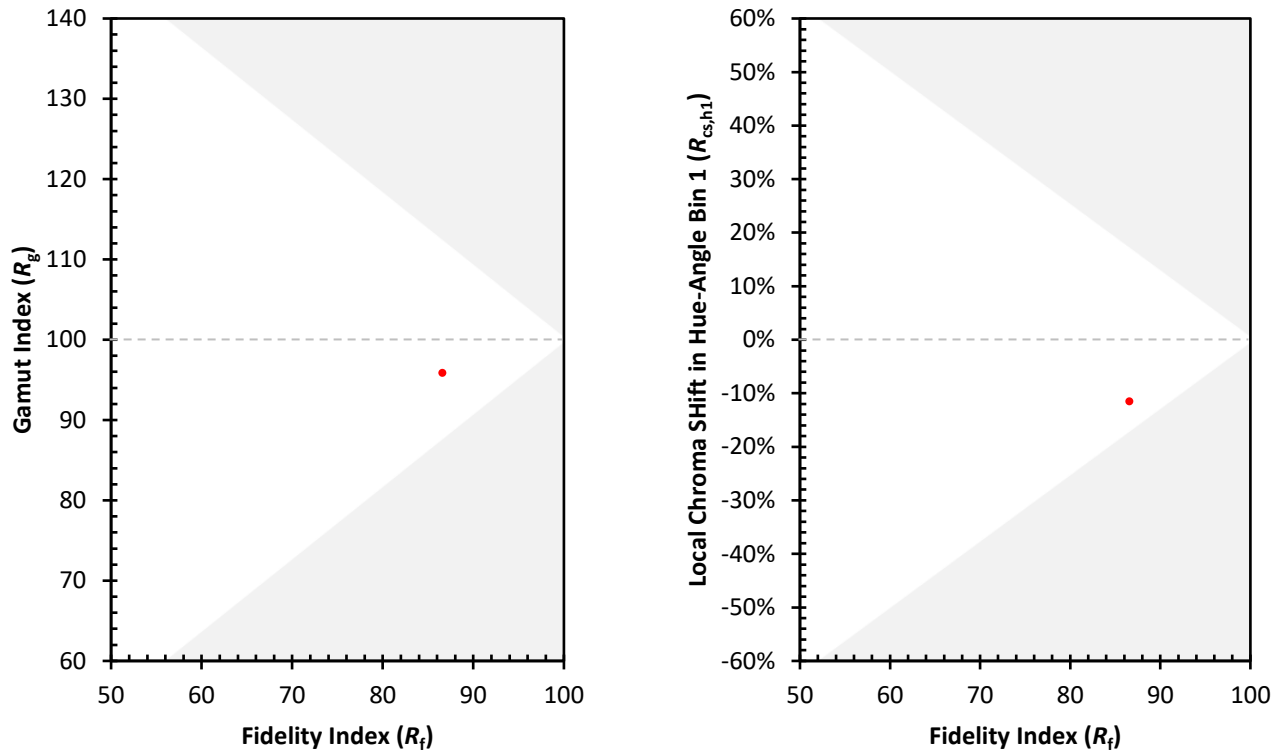
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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