

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: P1066182

Luminaire Tested: **NVN-SA5B-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066182
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5B-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19175.2 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 178.8
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

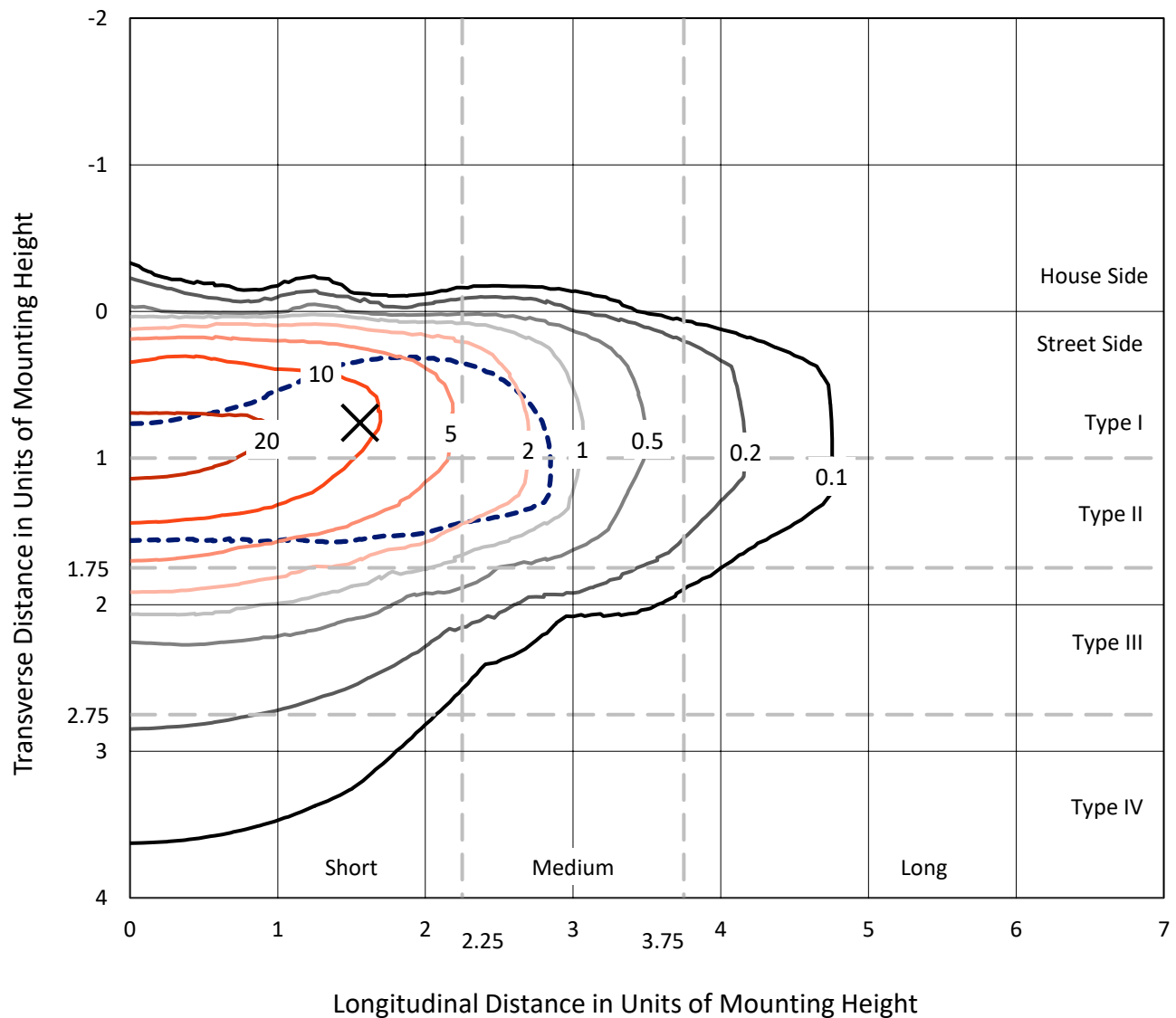


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

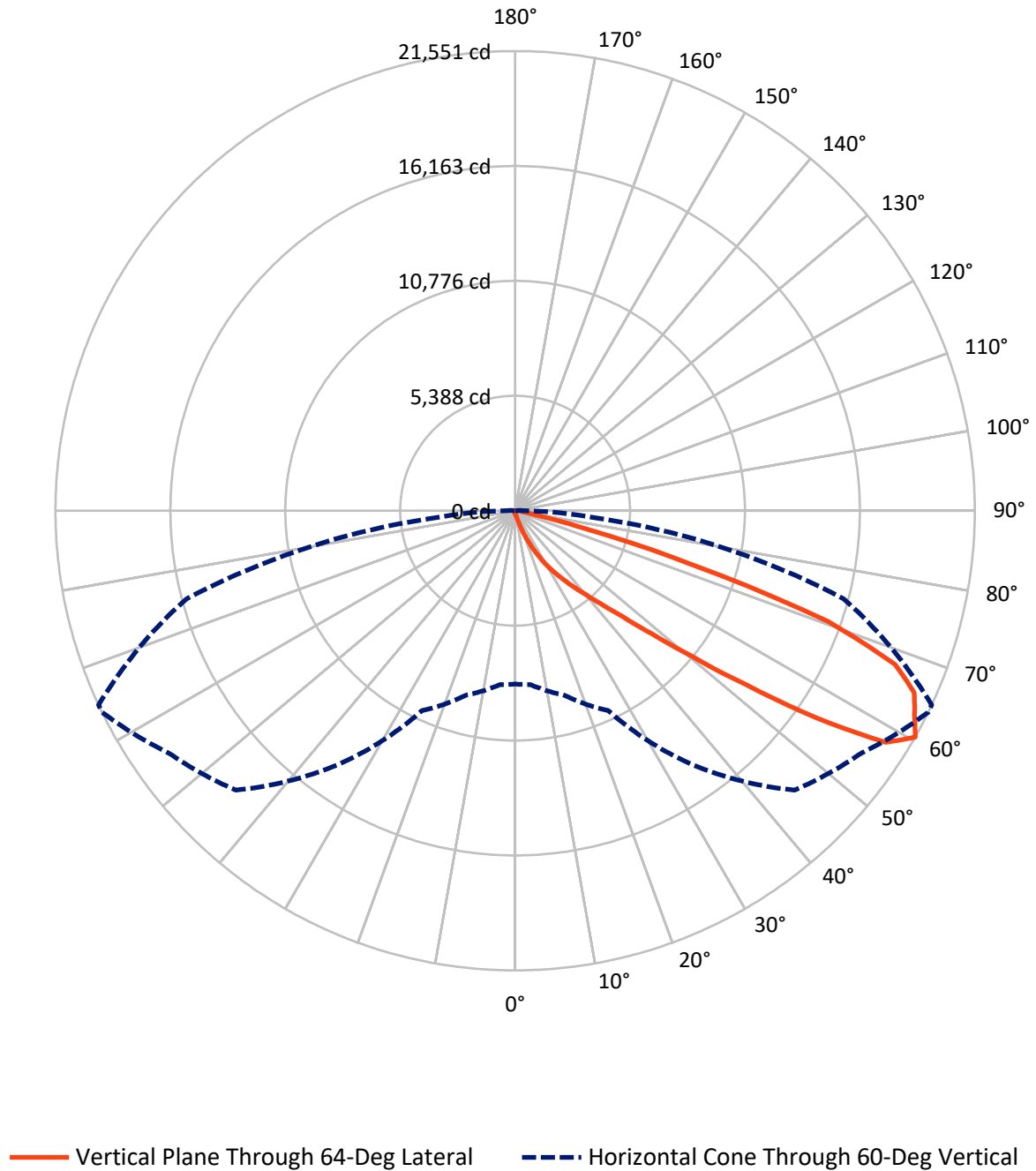


Based on 15 foot mounting height. Maximum calculated value = 27.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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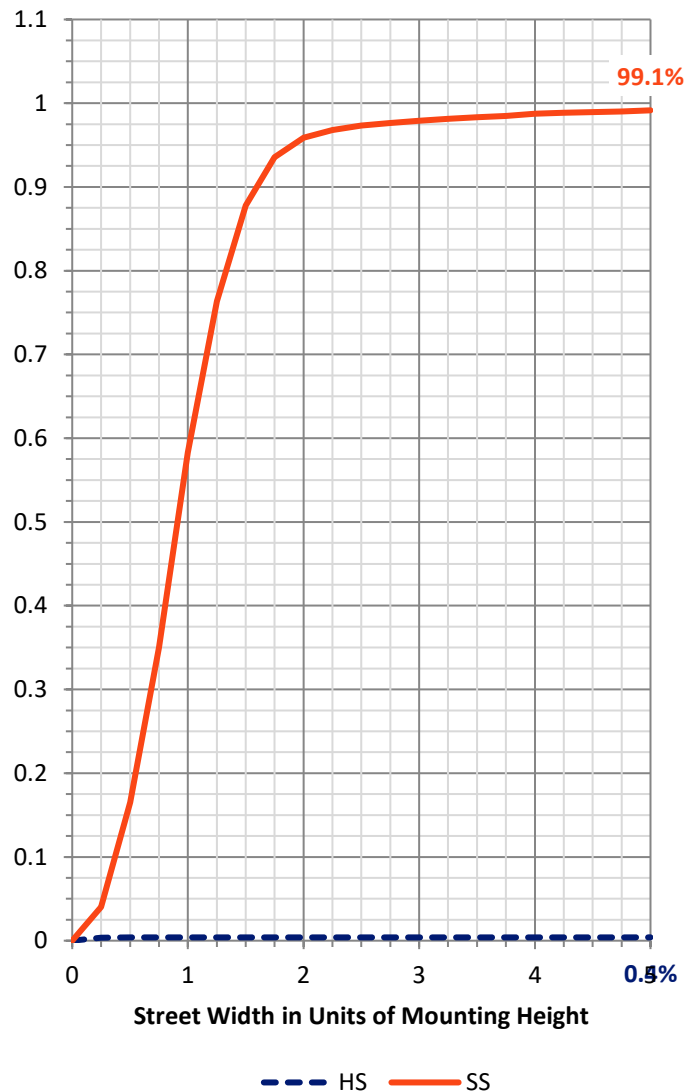
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.7	0.0	77.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19097.5	0.0	19097.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	19175.2	0.0	19175.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.1
10°-20°	188.4	1.0
20°-30°	625.8	3.3
30°-40°	1669.9	8.7
40°-50°	4244.5	22.1
50°-60°	6187.6	32.3
60°-70°	4779.3	24.9
70°-80°	1312.5	6.8
80°-90°	148.2	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°	19175.2	100.0
0°-180°	19175.2	100.0



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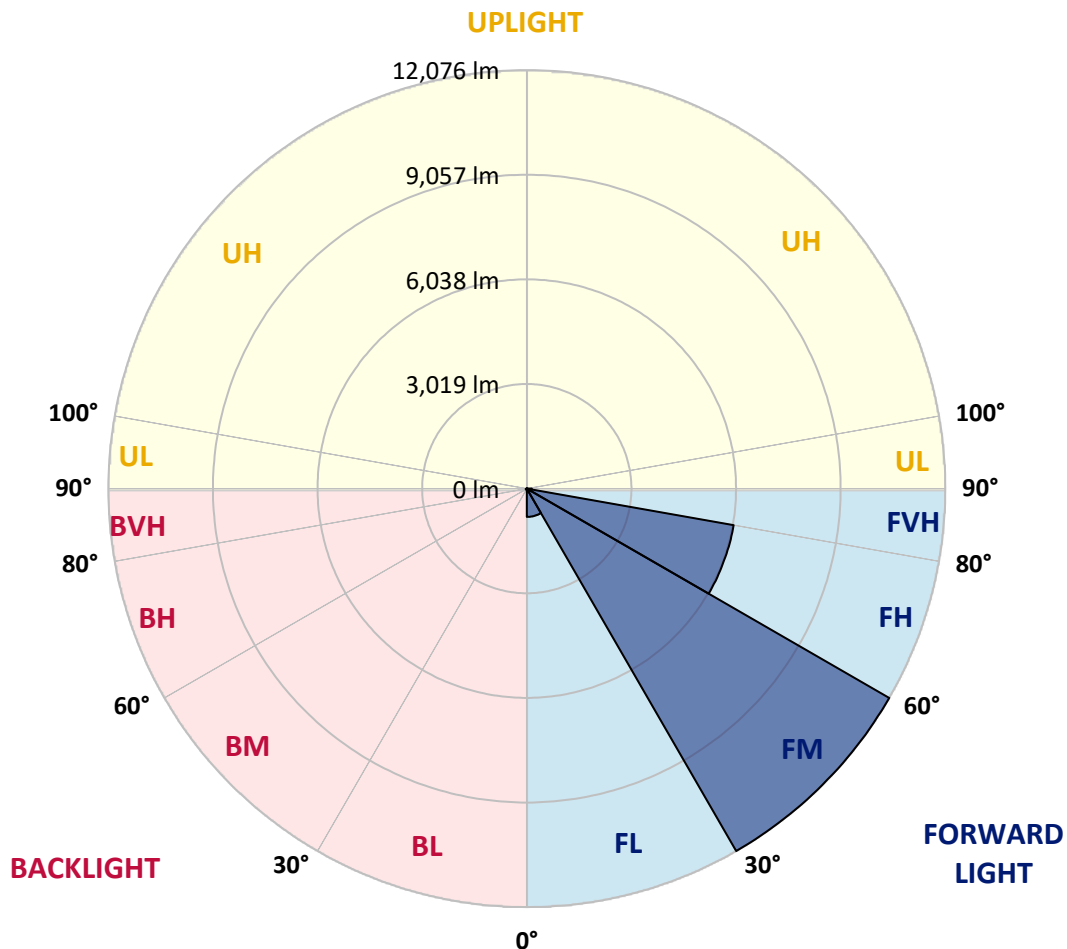
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	815.9	4.3			
FM	(30°-60°)	12076.2	63.0			
FH	(60°-80°)	6060.8	31.6			G3/7500
FVH	(80°-90°)	144.6	0.8			G2/225
BL	(0°-30°)	17.5	0.1	B0/110		
BM	(30°-60°)	25.8	0.1	B0/220		
BH	(60°-80°)	31.0	0.2	B0/110		G0/110
BVH	(80°-90°)	3.5	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7
2.5°	168.9	168.9	168.9	163.6	158.3	158.3	153.1	147.8	147.8	137.2	132.0
5°	258.6	258.6	248.1	237.5	221.7	200.6	179.5	163.6	163.6	147.8	137.2
7.5°	506.7	522.5	475.0	417.0	337.8	285.0	227.0	190.0	184.7	158.3	137.2
10°	1097.9	1087.3	1013.4	870.9	686.2	496.2	316.7	232.2	221.7	168.9	137.2
12.5°	1652.1	1667.9	1588.8	1430.4	1208.7	881.5	543.7	300.9	290.3	184.7	137.2
15°	2127.1	2127.1	2074.4	1995.2	1752.4	1409.3	876.2	448.7	411.7	200.6	132.0
17.5°	2454.4	2449.1	2428.0	2406.9	2264.4	1910.7	1340.7	717.8	633.4	237.5	132.0
20°	2823.9	2808.0	2834.4	2792.2	2681.4	2401.6	1831.6	1066.2	987.0	300.9	132.0
22.5°	3209.2	3225.0	3246.1	3203.9	3082.5	2839.7	2348.8	1514.9	1430.4	417.0	137.2
25°	3700.1	3689.5	3737.0	3700.1	3547.0	3262.0	2834.4	2005.7	1884.3	580.6	147.8
27.5°	4301.8	4280.7	4312.3	4217.3	4016.8	3726.4	3267.2	2507.2	2364.7	834.0	168.9
30°	5098.8	5114.6	4972.1	4861.3	4576.2	4190.9	3747.6	3045.6	2897.8	1134.8	190.0
32.5°	6355.0	6244.2	6022.5	5573.8	5199.1	4708.2	4227.9	3515.3	3383.4	1520.1	221.7
35°	8313.3	8334.4	7848.8	6740.3	5927.5	5357.4	4755.7	4032.6	3937.6	1958.2	263.9
37.5°	10699.0	10641.0	10213.4	8814.7	6993.7	6165.0	5357.4	4597.4	4460.1	2433.3	316.7
40°	13401.5	13158.7	12910.6	11960.5	9215.8	7178.4	6117.5	5251.9	5146.3	2982.2	401.1
42.5°	15565.6	15502.2	15544.5	15148.6	12921.2	8904.4	7125.6	6054.2	5927.5	3663.1	548.9
45°	16631.8	16542.1	16795.4	17091.0	16520.9	12578.1	8751.3	7078.1	6909.2	4465.4	775.9
47.5°	16346.8	16283.4	16827.1	17407.7	18167.8	16837.6	11406.3	8608.8	8318.5	5494.7	1113.7
50°	14942.7	14948.0	15840.0	16922.1	18125.5	18996.4	15338.6	10704.3	10340.1	6861.7	1641.5
52.5°	13575.7	13617.9	14562.7	16140.9	17497.4	19249.8	18790.6	13528.2	12937.0	8471.6	2264.4
55°	12171.7	12192.8	13026.7	15248.9	17201.8	18495.0	20564.1	17164.9	16536.8	10477.3	2871.4
57.5°	10820.4	10820.4	11131.8	13105.9	16879.9	18426.4	20353.0	20490.2	19978.2	12768.1	3320.0
60°	8128.5	8181.3	8957.2	10340.1	14557.4	18526.7	19814.6	21551.1	21551.1	15945.6	3663.1
62.5°	4106.5	4185.7	5151.6	6497.5	9986.5	17143.8	19899.0	21018.0	21102.5	18748.4	4444.3
65°	1926.6	2016.3	2533.6	3483.6	5373.3	12066.1	19022.8	20564.1	20537.7	18215.3	6091.1
67.5°	1382.9	1409.3	1583.5	2032.1	2892.5	5288.8	14520.5	19207.6	19218.1	15475.8	7004.2
70°	1240.4	1240.4	1282.6	1414.6	1741.8	2364.7	7057.0	15555.0	16309.8	11950.0	6492.3
72.5°	1224.6	1214.0	1203.4	1208.7	1177.1	1187.6	2422.7	8783.0	9859.8	8360.8	5178.0
75°	1192.9	1192.9	1182.3	1145.4	939.5	765.3	834.0	3552.3	4106.5	5584.4	3842.6
77.5°	944.8	1039.8	1150.7	1082.0	860.4	575.3	485.6	1029.3	1298.5	3425.6	2786.9
80°	438.1	443.4	438.1	459.2	548.9	411.7	358.9	501.4	506.7	1900.2	1726.0
82.5°	316.7	322.0	306.1	274.5	242.8	221.7	295.6	369.5	395.9	870.9	643.9
85°	95.0	89.7	105.6	142.5	168.9	195.3	248.1	311.4	327.3	322.0	95.0
87.5°	42.2	42.2	52.8	73.9	100.3	147.8	216.4	285.0	290.3	332.5	26.4
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-SA5B-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7	126.7
2.5°	132.0	126.7	121.4	116.1	110.8	105.6	100.3	100.3	105.6	105.6	105.6
5°	126.7	121.4	110.8	100.3	95.0	89.7	84.5	84.5	89.7	89.7	89.7
7.5°	126.7	116.1	105.6	95.0	84.5	79.2	73.9	73.9	73.9	79.2	79.2
10°	126.7	116.1	100.3	84.5	73.9	68.6	63.3	58.1	63.3	63.3	63.3
12.5°	121.4	110.8	95.0	79.2	63.3	52.8	47.5	47.5	47.5	47.5	47.5
15°	116.1	105.6	89.7	68.6	52.8	42.2	31.7	31.7	31.7	36.9	36.9
17.5°	110.8	100.3	79.2	52.8	36.9	26.4	21.1	21.1	21.1	26.4	26.4
20°	110.8	95.0	68.6	42.2	26.4	15.8	10.6	10.6	10.6	15.8	21.1
22.5°	110.8	95.0	63.3	31.7	15.8	10.6	5.3	5.3	5.3	5.3	5.3
25°	110.8	89.7	58.1	26.4	10.6	5.3	0.0	0.0	5.3	10.6	15.8
27.5°	110.8	84.5	47.5	15.8	10.6	5.3	0.0	5.3	10.6	10.6	10.6
30°	110.8	84.5	42.2	15.8	5.3	0.0	0.0	5.3	10.6	10.6	15.8
32.5°	116.1	79.2	36.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	121.4	73.9	31.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	132.0	73.9	21.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	147.8	79.2	21.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	184.7	84.5	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	258.6	105.6	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	380.0	158.3	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	554.2	216.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	680.9	216.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	675.6	137.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	517.3	95.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	438.1	68.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	527.8	52.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	939.5	47.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1509.6	47.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1689.0	47.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1319.6	42.2	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	723.1	36.9	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	364.2	26.4	10.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	153.1	21.1	10.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	52.8	21.1	10.6	10.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0
85°	26.4	15.8	15.8	10.6	10.6	5.3	5.3	0.0	0.0	0.0	0.0
87.5°	15.8	15.8	15.8	10.6	10.6	5.3	5.3	0.0	0.0	0.0	5.3
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

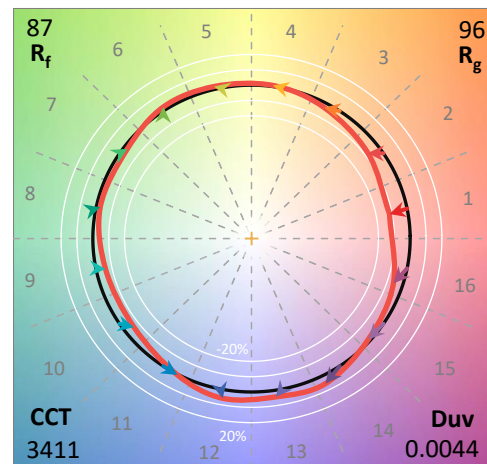
Test Information

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

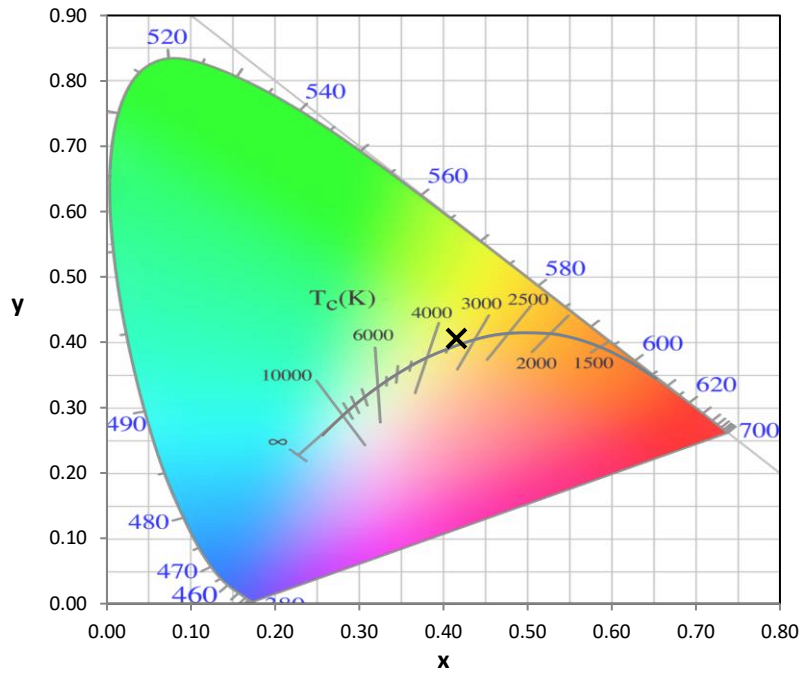
Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

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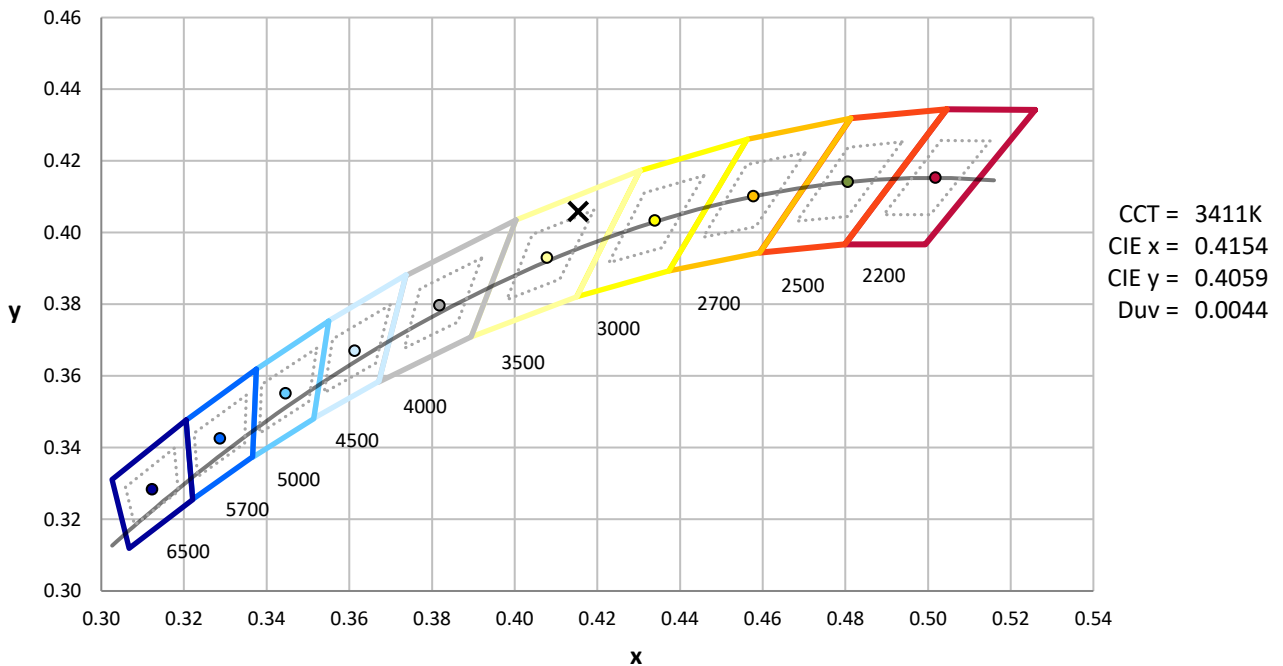
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



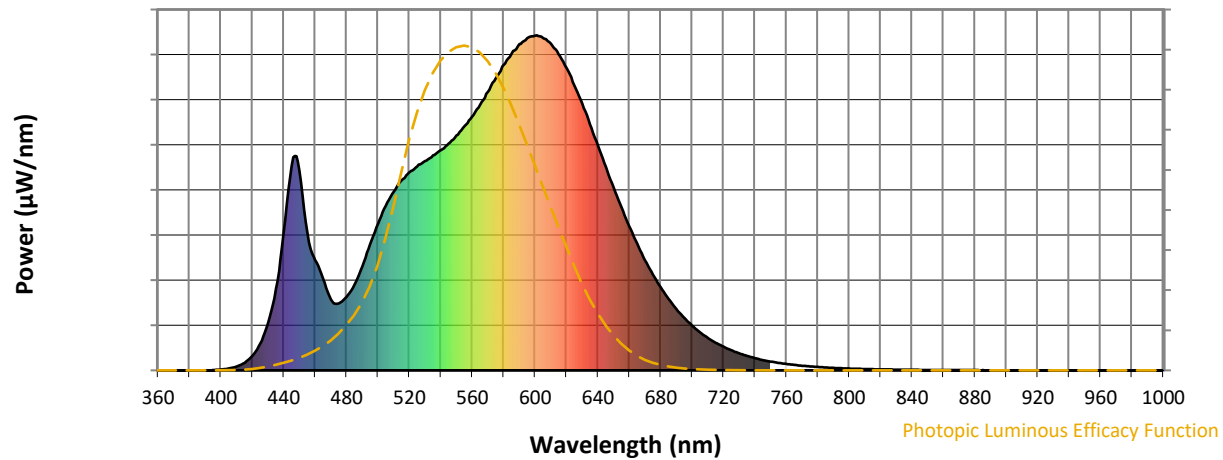
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 7-step quadrangle

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Photopic Flux vs. Wavelength

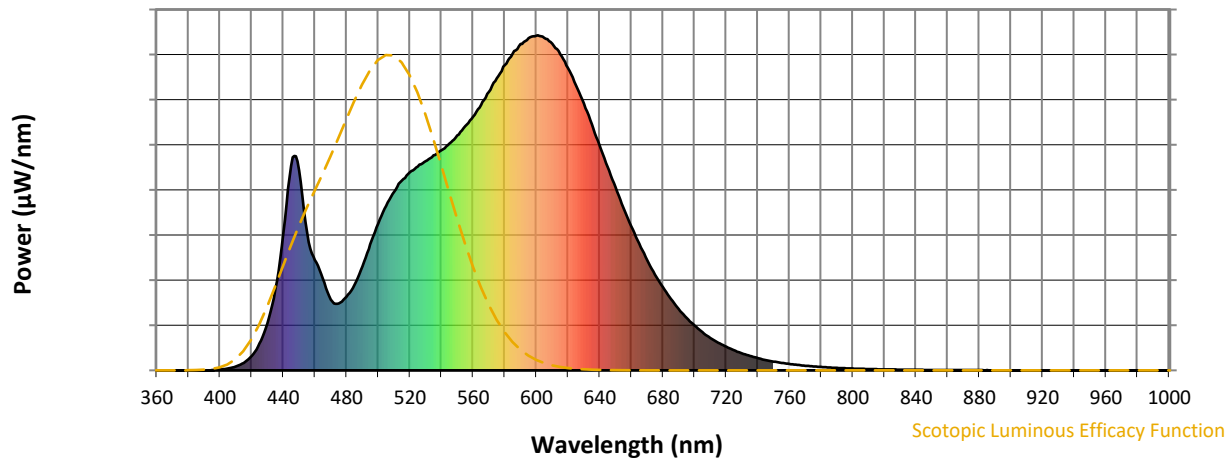


Photopic Lumens: NR

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



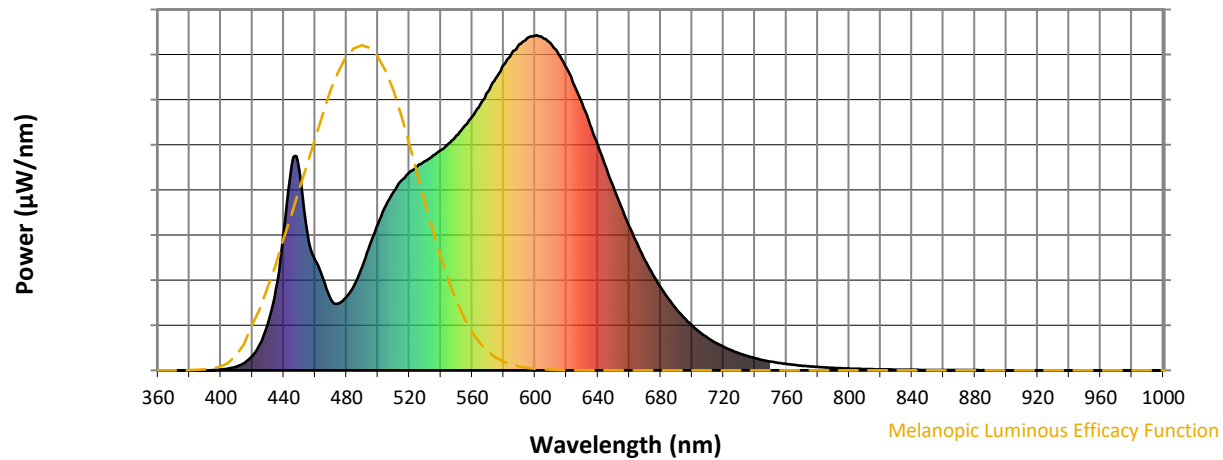
Scotopic Lumens: NR

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

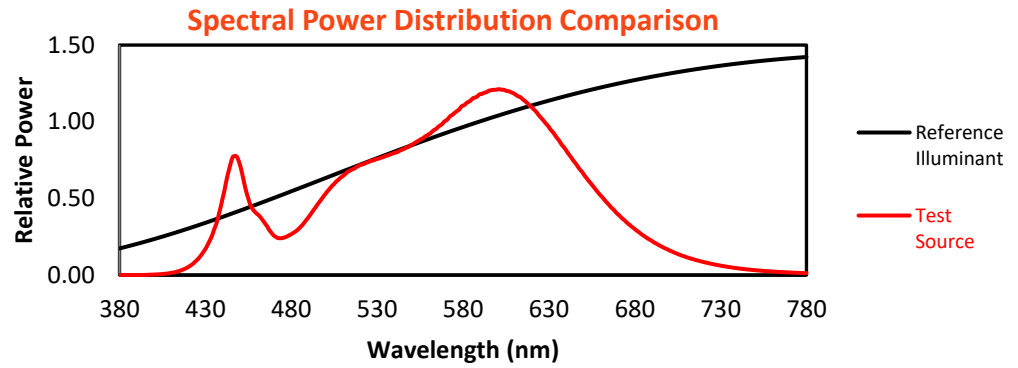
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	311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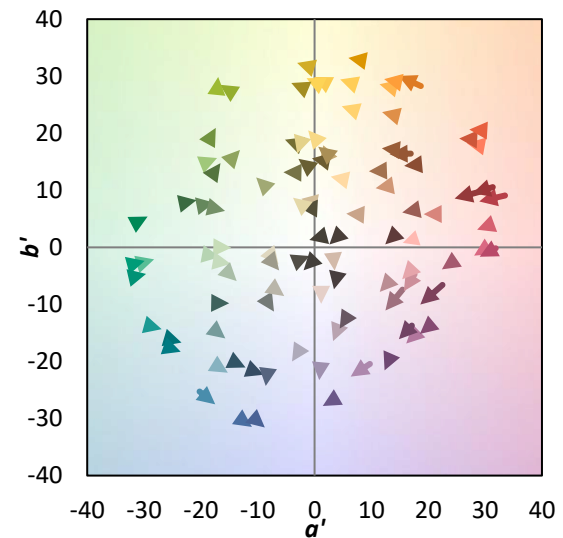
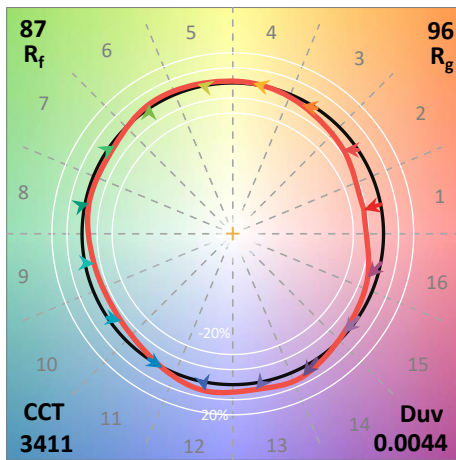
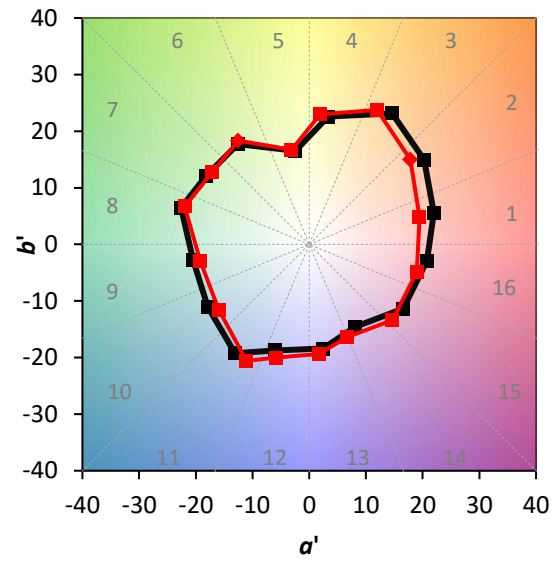
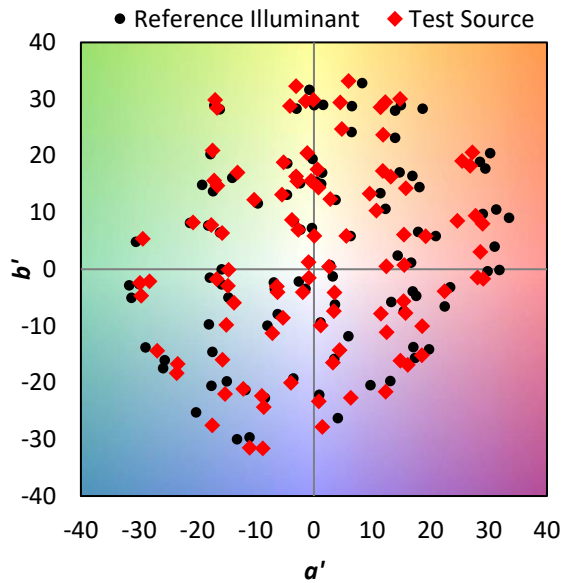
TM-30-18

Summary

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

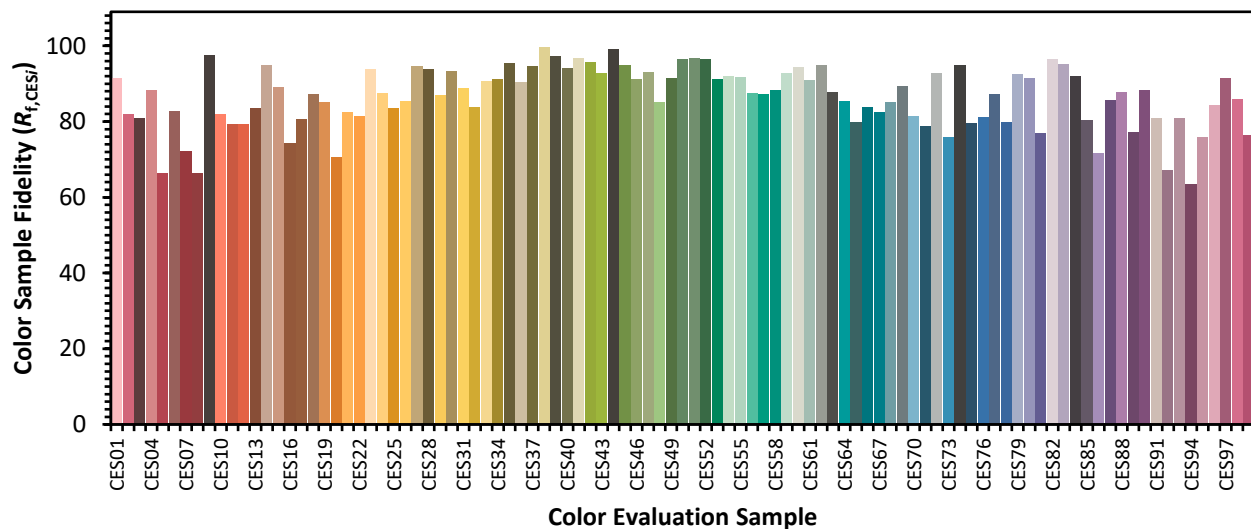


Color Vector Graphics

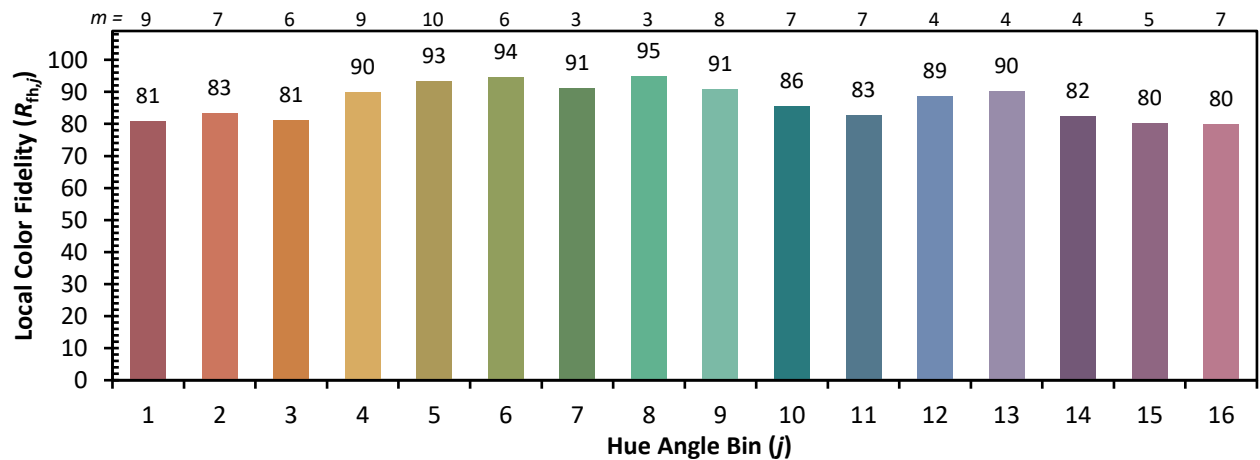
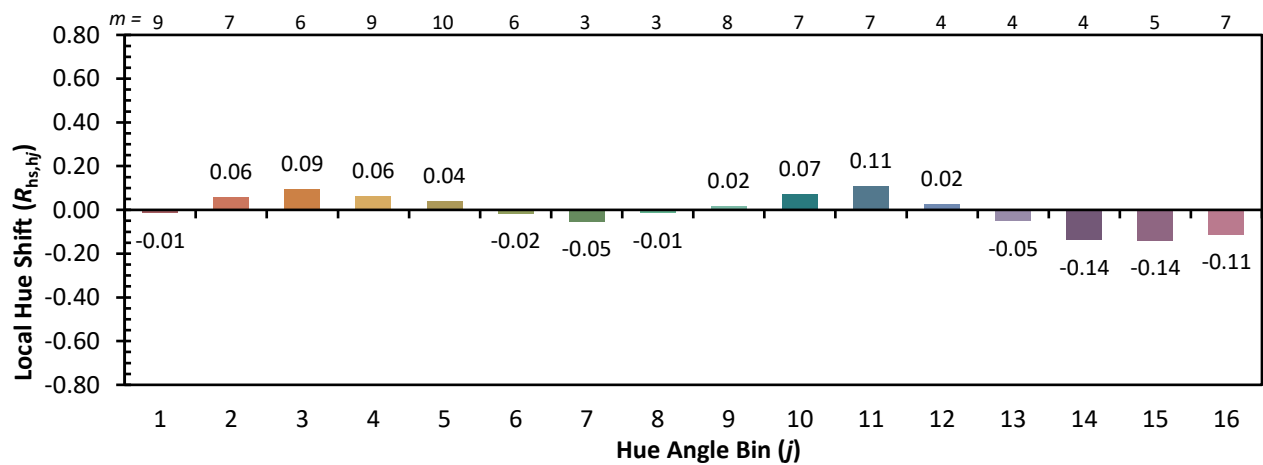
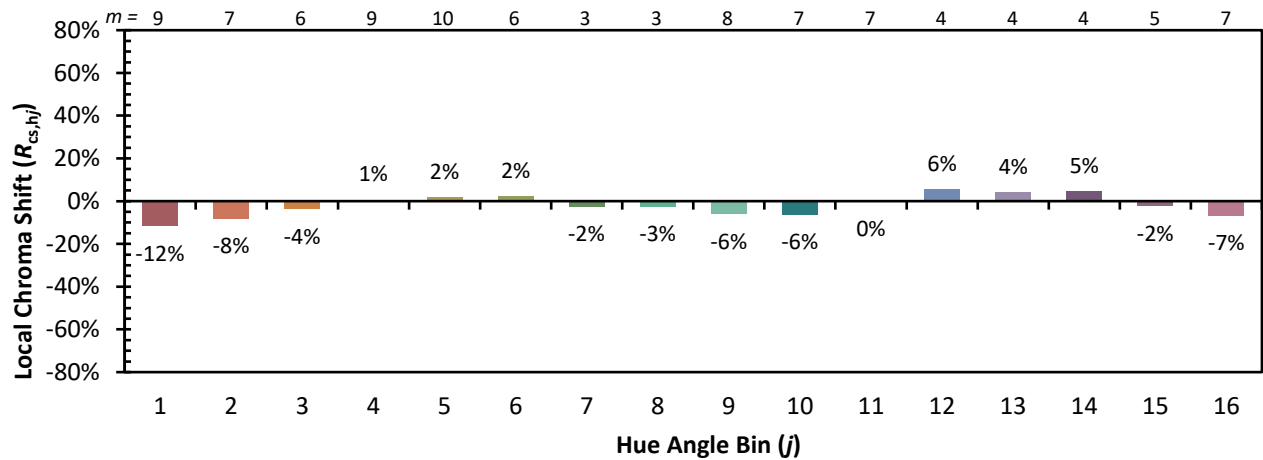


Individual Sample Fidelity Index ($R_{f,i}$)

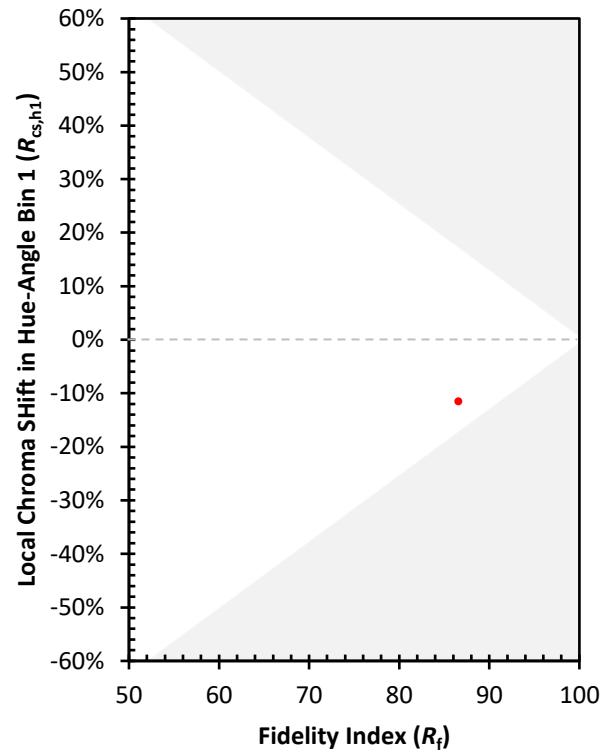
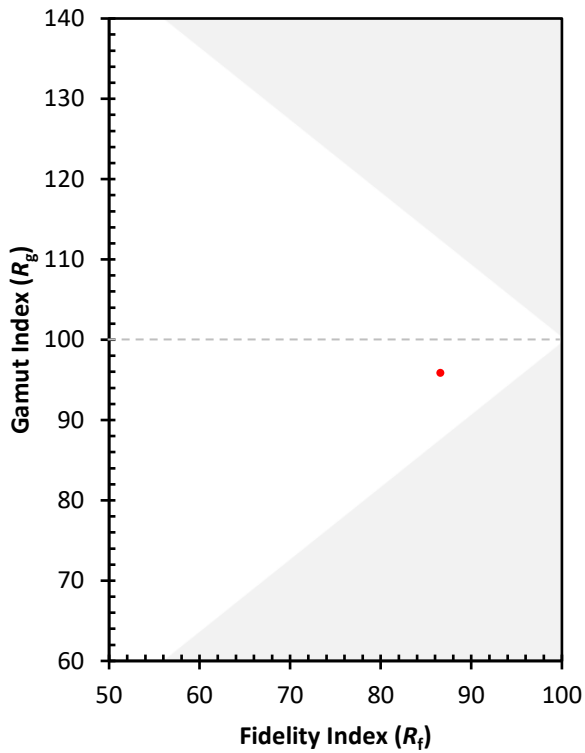
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82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