

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: P1066389

Luminaire Tested: **NVN-SA3A-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066389
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3A-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8513.6 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - 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

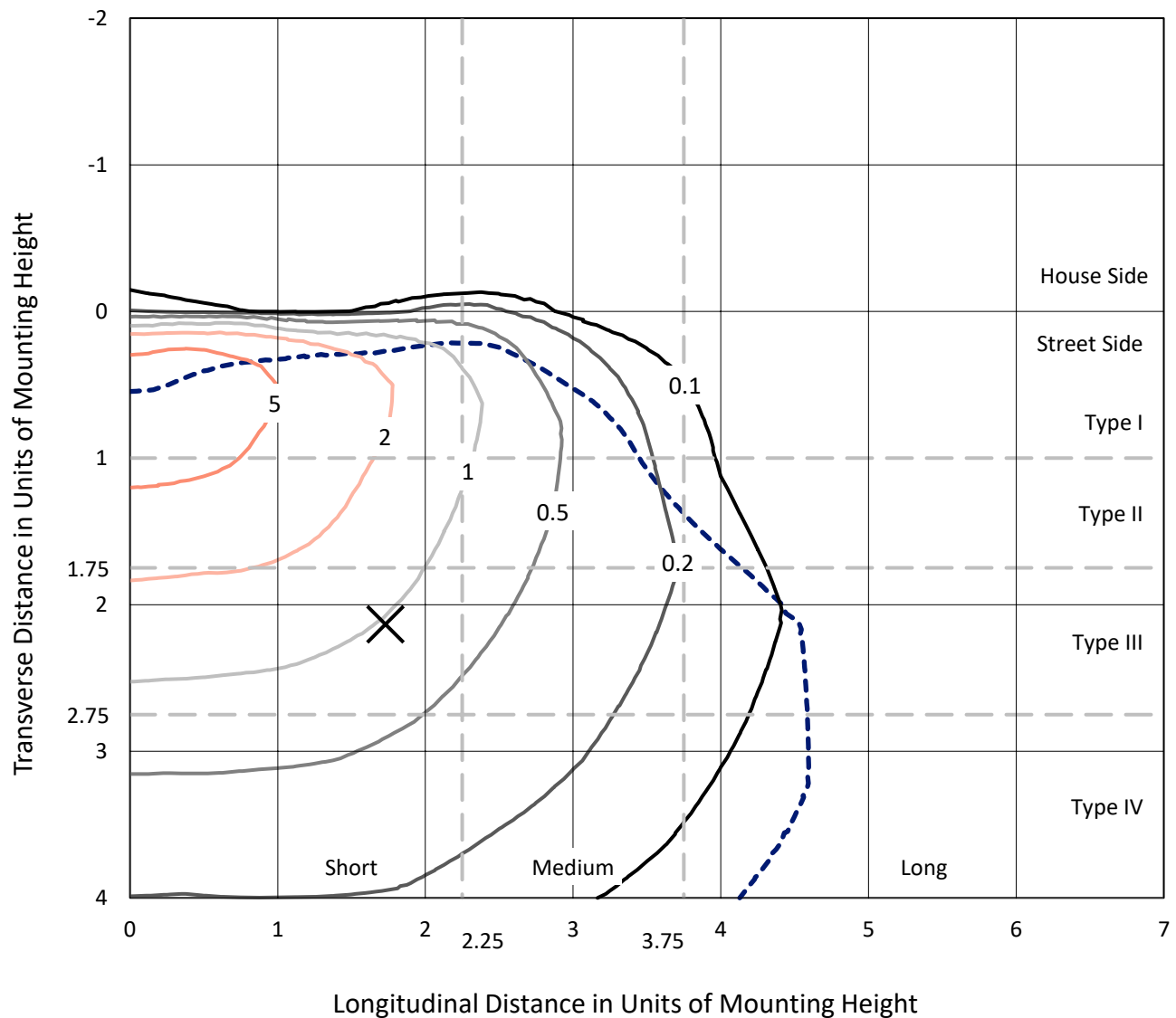


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

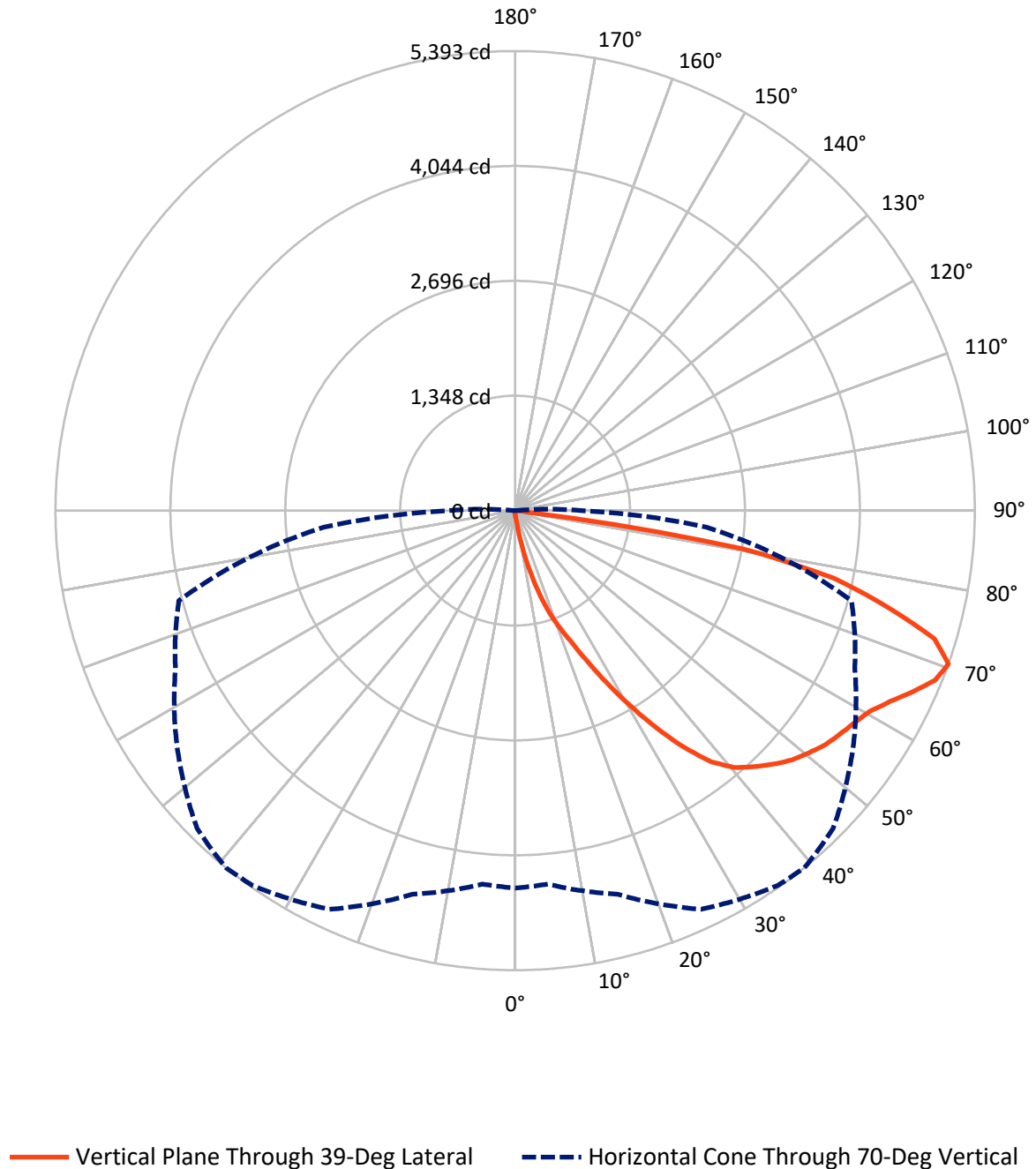


Based on 15 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NVN-SA3A-830-U-T4BC

Luminous Intensity Polar Plot



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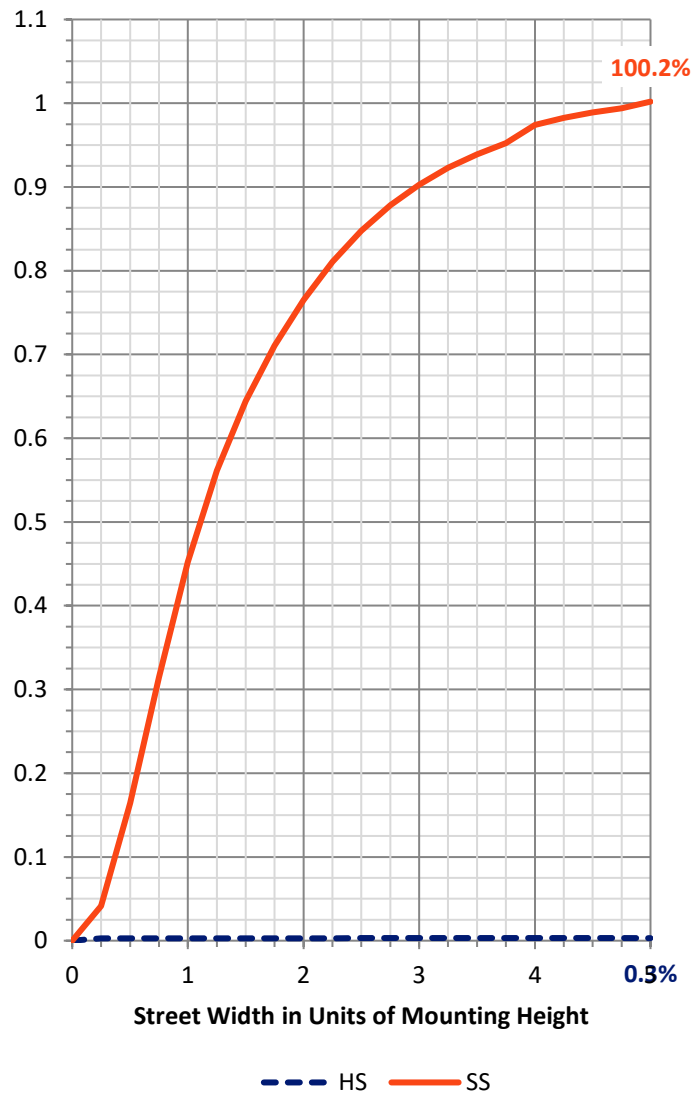
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26.2	0.0	26.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	8487.4	0.0	8487.4
	% Fixture	99.7	0.0	99.7
Total	Lumens	8513.6	0.0	8513.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.1
10°-20°	104.7	1.2
20°-30°	355.2	4.2
30°-40°	834.7	9.8
40°-50°	1355.4	15.9
50°-60°	1717.6	20.2
60°-70°	2181.8	25.6
70°-80°	1772.7	20.8
80°-90°	182.5	2.1
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°	8513.6	100.0
0°-180°	8513.6	100.0



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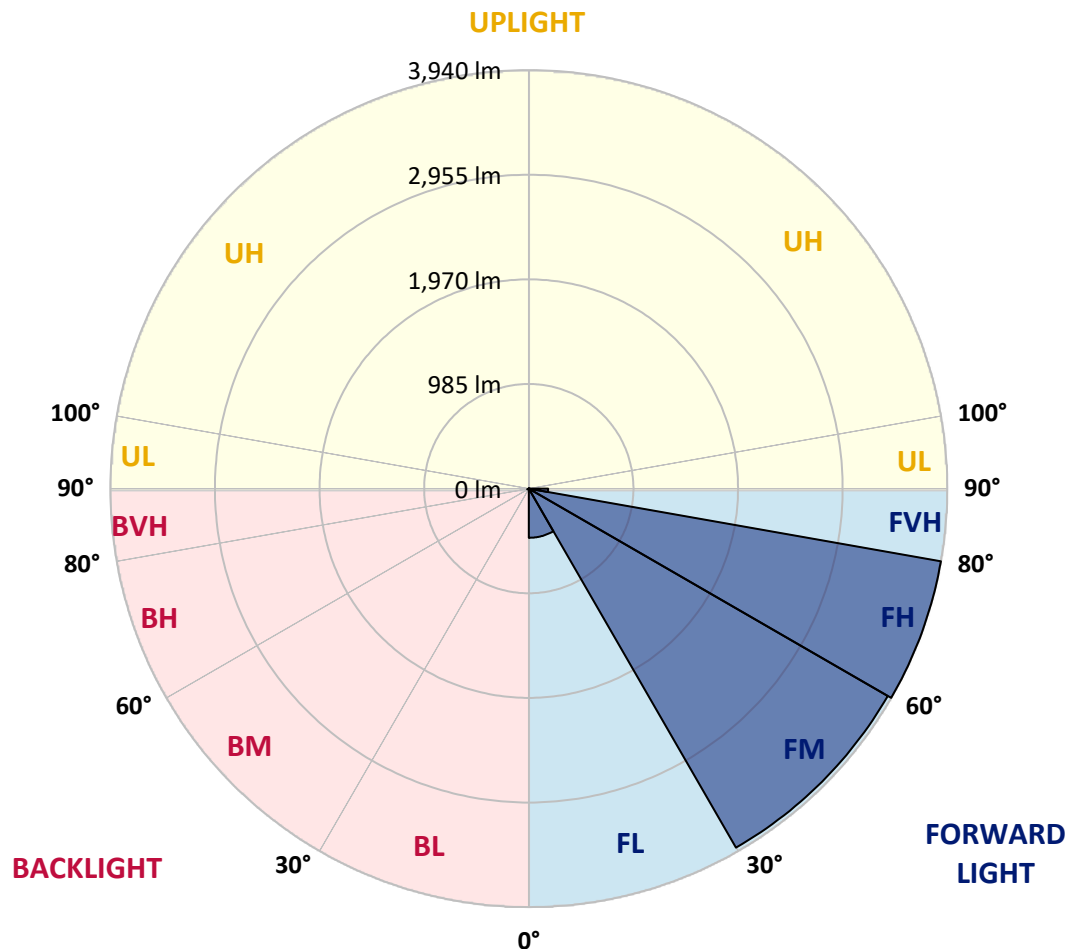
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.1	5.4			
FM	(30°-60°)	3902.7	45.8			
FH	(60°-80°)	3940.1	46.3			G2/5000
FVH	(80°-90°)	181.4	2.1			G2/225
BL	(0°-30°)	5.7	0.1	B0/110		
BM	(30°-60°)	5.0	0.1	B0/220		
BH	(60°-80°)	14.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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 IV Short



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CATALOG NUMBER: NVN-SA3A-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	60.1	60.1	60.1	57.8	57.8	55.5	55.5	53.2	50.9	50.9	48.5
5°	113.3	115.6	108.6	94.8	85.5	80.9	76.3	64.7	57.8	53.2	48.5
7.5°	309.7	300.5	286.6	240.4	184.9	157.2	134.1	94.8	69.3	55.5	48.5
10°	651.8	626.4	587.1	524.7	416.1	372.1	288.9	173.4	97.1	62.4	48.5
12.5°	956.9	961.6	913.0	852.9	721.2	647.2	533.9	325.9	152.6	74.0	48.5
15°	1188.1	1183.5	1165.0	1116.4	998.5	926.9	825.2	547.8	256.6	92.5	50.9
17.5°	1370.7	1352.2	1345.3	1324.4	1248.2	1208.9	1097.9	806.7	406.8	124.8	53.2
20°	1553.3	1548.7	1541.7	1518.6	1467.8	1440.0	1354.5	1067.9	605.6	178.0	57.8
22.5°	1819.1	1793.7	1798.3	1747.4	1705.8	1657.3	1588.0	1345.3	834.4	254.3	64.7
25°	2131.1	2128.8	2091.8	2068.7	1999.4	1946.2	1853.8	1613.4	1088.7	367.5	71.7
27.5°	2498.7	2473.2	2457.0	2417.8	2346.1	2286.0	2158.9	1879.2	1363.7	494.6	80.9
30°	2882.3	2882.3	2852.3	2792.2	2722.9	2648.9	2519.5	2158.9	1636.5	656.4	92.5
32.5°	3330.8	3340.0	3266.0	3175.9	3085.8	3034.9	2866.2	2475.5	1897.7	841.4	106.3
35°	3765.3	3753.8	3631.3	3531.9	3464.8	3409.4	3266.0	2822.3	2193.5	1056.3	124.8
37.5°	4181.4	4151.3	3947.9	3806.9	3776.9	3739.9	3596.6	3169.0	2487.1	1294.4	147.9
40°	4479.5	4433.3	4223.0	4028.8	3984.9	3964.1	3853.1	3483.3	2796.8	1560.2	178.0
42.5°	4609.0	4555.8	4410.2	4253.0	4155.9	4107.4	4010.3	3739.9	3106.6	1856.1	221.9
45°	4634.4	4592.8	4488.8	4451.8	4320.1	4246.1	4114.3	3922.5	3395.5	2149.6	282.0
47.5°	4542.0	4523.5	4461.1	4539.6	4472.6	4370.9	4211.4	4058.9	3652.1	2505.6	365.2
50°	4315.4	4301.6	4331.6	4537.3	4583.6	4468.0	4317.7	4165.2	3874.0	2873.1	483.1
52.5°	4010.3	4008.0	4149.0	4477.2	4632.1	4560.4	4421.8	4271.5	4049.6	3229.1	649.5
55°	3677.5	3716.8	3964.1	4421.8	4659.8	4627.5	4523.5	4366.3	4206.8	3559.6	917.6
57.5°	3649.7	3633.6	3871.6	4398.6	4676.0	4694.5	4625.2	4465.7	4340.9	3830.0	1275.9
60°	3927.1	3890.1	3980.3	4447.2	4747.7	4780.0	4726.9	4542.0	4474.9	4042.7	1747.4
62.5°	4248.4	4213.7	4260.0	4634.4	4888.7	4934.9	4867.9	4620.5	4583.6	4190.6	2253.6
65°	4505.0	4477.2	4565.1	4914.1	5085.1	5124.4	5078.2	4766.2	4632.1	4310.8	2665.1
67.5°	4546.6	4511.9	4694.5	5101.3	5283.9	5311.7	5274.7	4907.2	4615.9	4320.1	2759.8
70°	4428.7	4398.6	4659.8	5161.4	5369.4	5392.6	5274.7	4840.1	4396.3	4084.3	2256.0
72.5°	4065.8	4088.9	4426.4	5015.8	5251.6	5145.2	4895.6	4502.7	4112.0	3462.5	1583.3
75°	3501.8	3527.2	3975.7	4615.9	4634.4	4505.0	4370.9	4142.1	3679.8	2281.4	1097.9
77.5°	2489.4	2399.3	3069.6	3811.5	3744.5	3827.7	3839.3	3446.3	3081.1	1188.1	735.0
80°	245.0	208.0	386.0	1093.3	2415.4	2699.7	2810.7	2655.8	2272.1	531.6	386.0
82.5°	53.2	53.2	57.8	62.4	97.1	145.6	668.0	1636.5	1467.8	270.4	124.8
85°	30.0	30.0	37.0	43.9	57.8	64.7	76.3	101.7	395.3	97.1	23.1
87.5°	23.1	25.4	30.0	37.0	48.5	53.2	64.7	80.9	99.4	90.1	6.9
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-SA3A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
2.5°	48.5	46.2	43.9	41.6	39.3	39.3	37.0	37.0	37.0	37.0	37.0
5°	46.2	43.9	41.6	37.0	34.7	32.4	30.0	30.0	30.0	30.0	30.0
7.5°	46.2	43.9	39.3	34.7	30.0	27.7	25.4	23.1	23.1	25.4	25.4
10°	46.2	41.6	34.7	30.0	25.4	23.1	20.8	18.5	18.5	18.5	18.5
12.5°	43.9	39.3	32.4	27.7	23.1	18.5	13.9	11.6	11.6	11.6	11.6
15°	41.6	37.0	30.0	23.1	16.2	11.6	9.2	6.9	6.9	6.9	6.9
17.5°	41.6	34.7	27.7	20.8	11.6	6.9	4.6	2.3	2.3	2.3	4.6
20°	41.6	34.7	25.4	16.2	6.9	4.6	4.6	2.3	0.0	2.3	2.3
22.5°	41.6	32.4	20.8	11.6	6.9	4.6	2.3	0.0	0.0	0.0	0.0
25°	43.9	32.4	18.5	9.2	4.6	2.3	0.0	0.0	0.0	0.0	0.0
27.5°	43.9	30.0	16.2	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	46.2	30.0	13.9	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	46.2	27.7	9.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	46.2	25.4	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	46.2	23.1	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	48.5	20.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	50.9	18.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	53.2	16.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	60.1	16.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	69.3	16.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	83.2	16.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	108.6	13.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	157.2	13.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	263.5	13.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	462.3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	781.3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1019.3	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	774.3	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	369.8	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	164.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	71.7	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	27.7	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
82.5°	11.6	4.6	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
85°	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	4.6	4.6	2.3	2.3	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

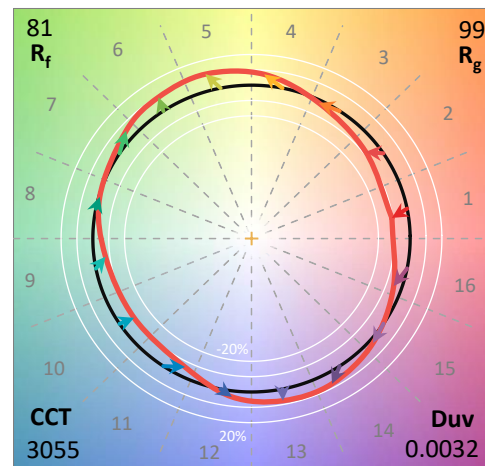
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

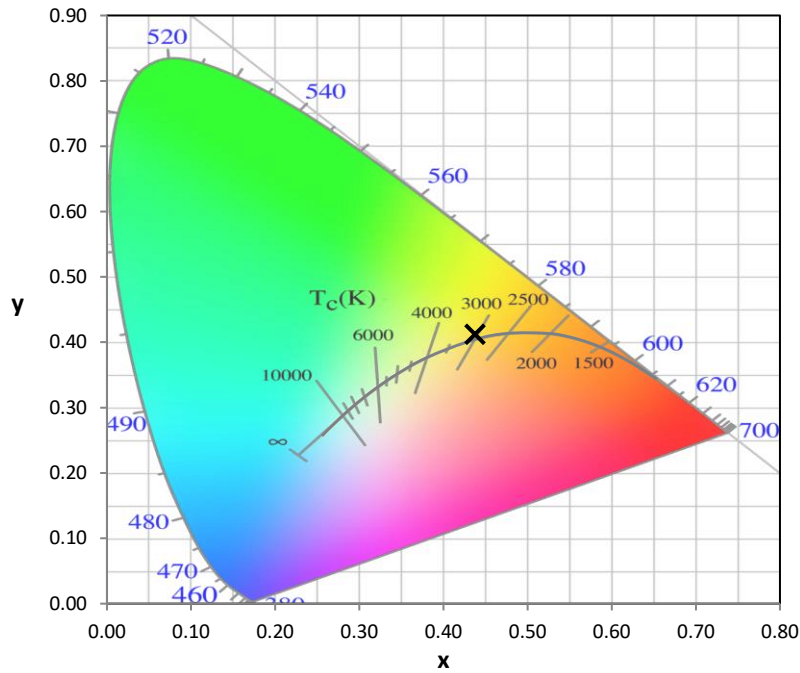
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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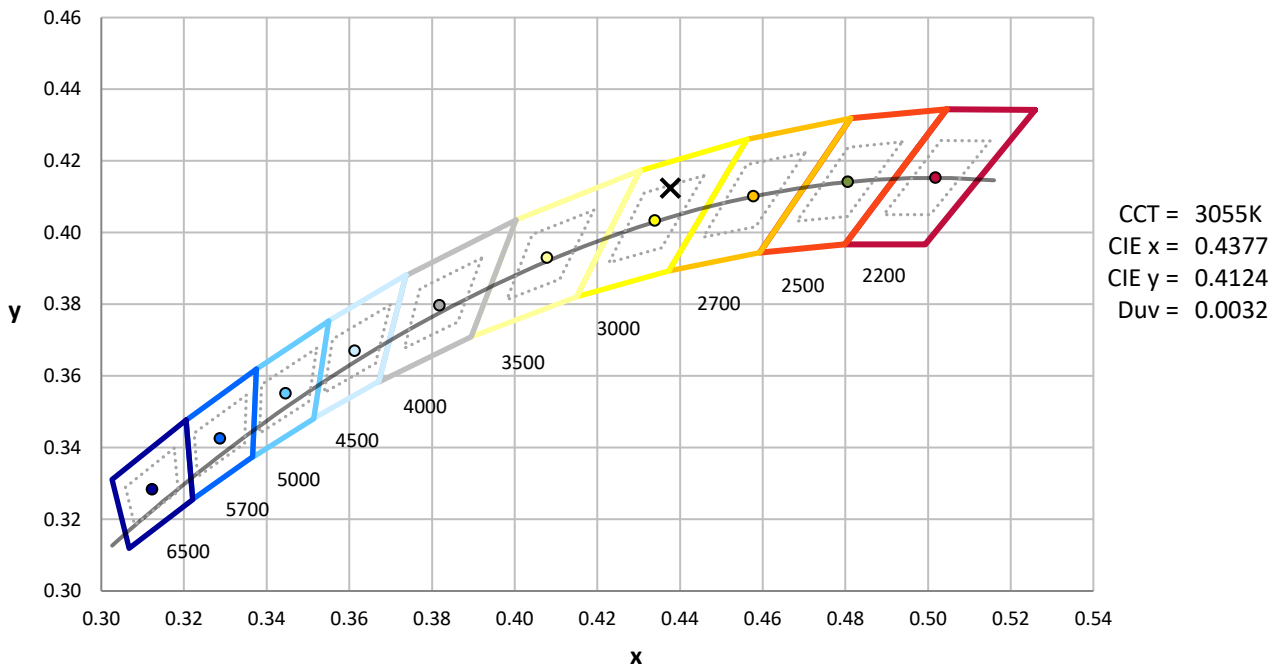
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



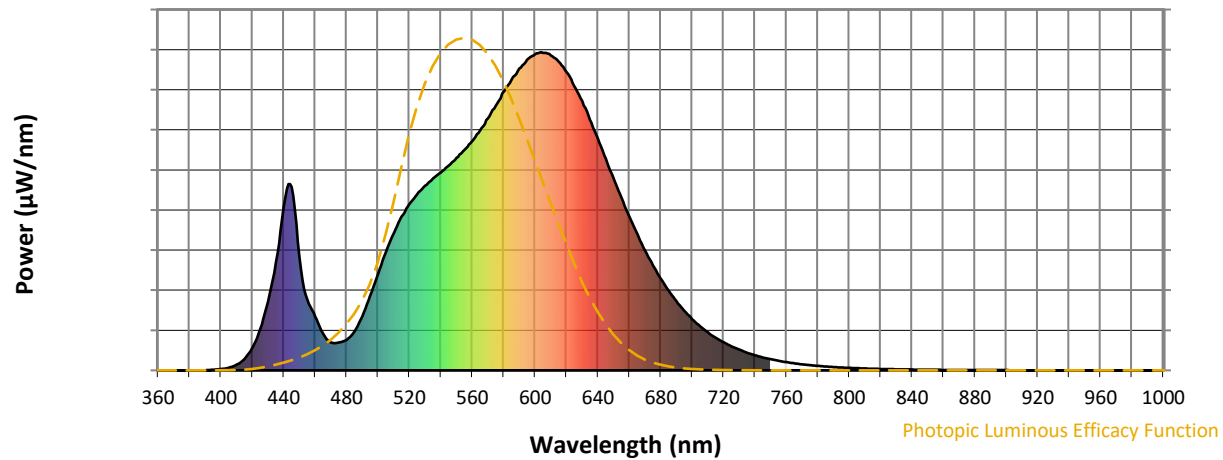
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

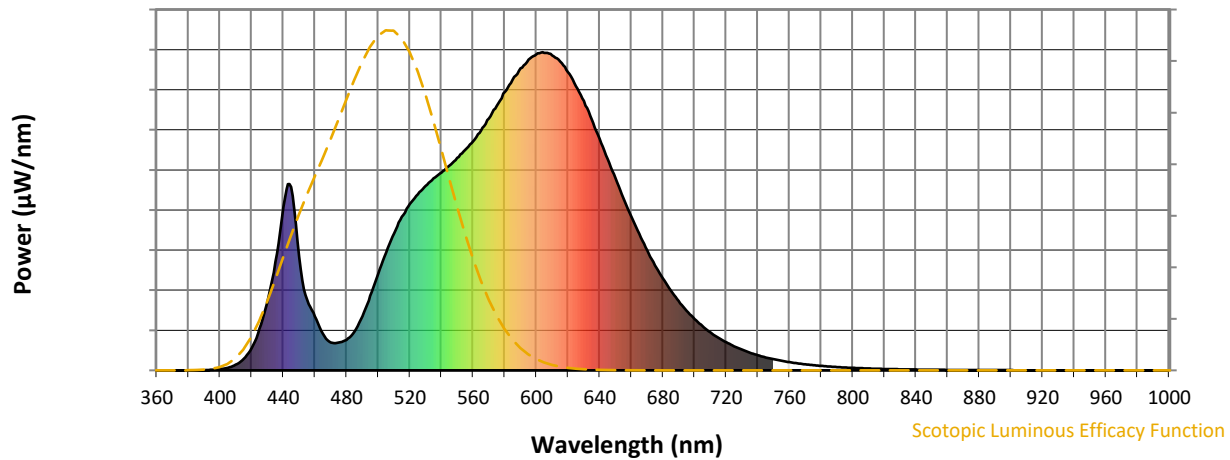


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength



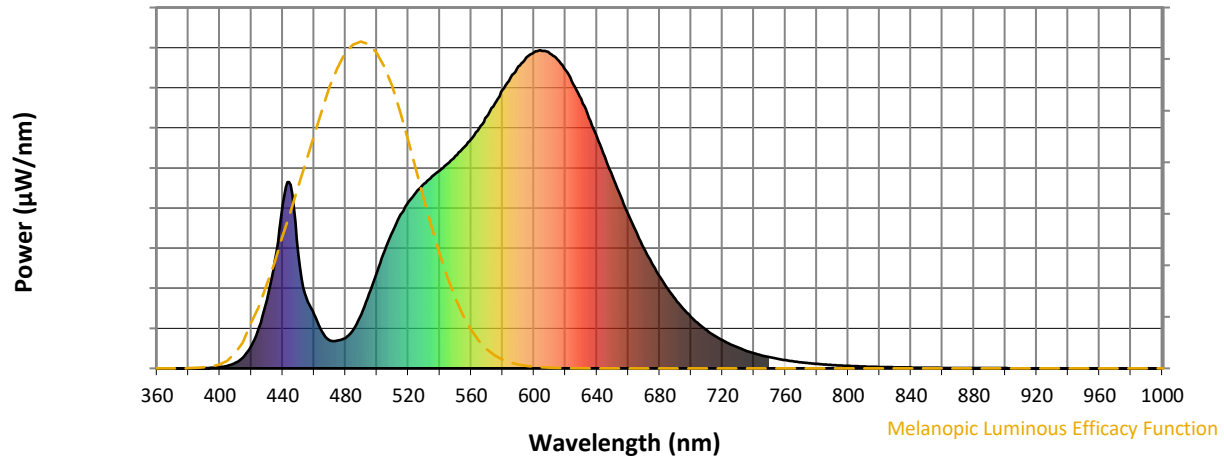
Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.33

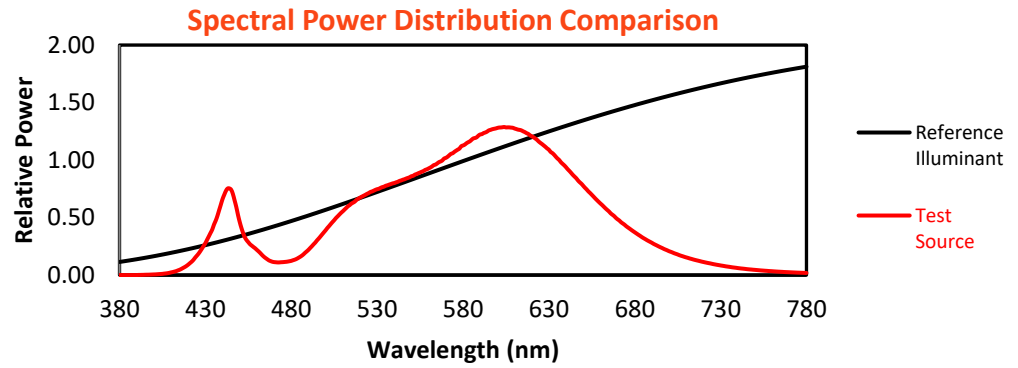
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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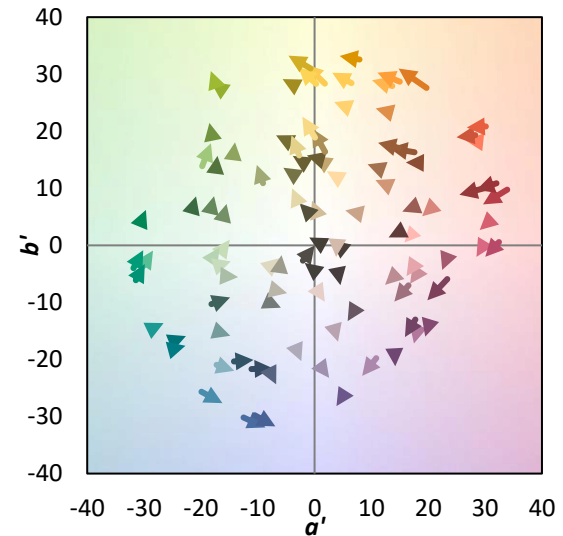
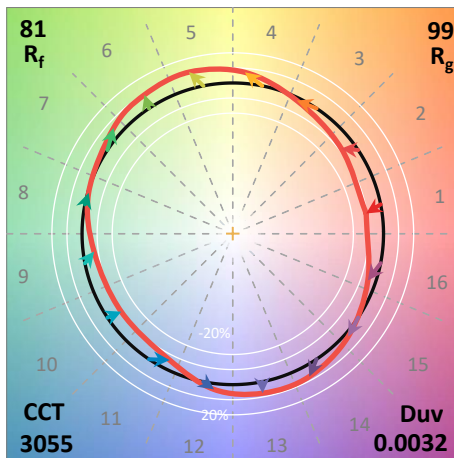
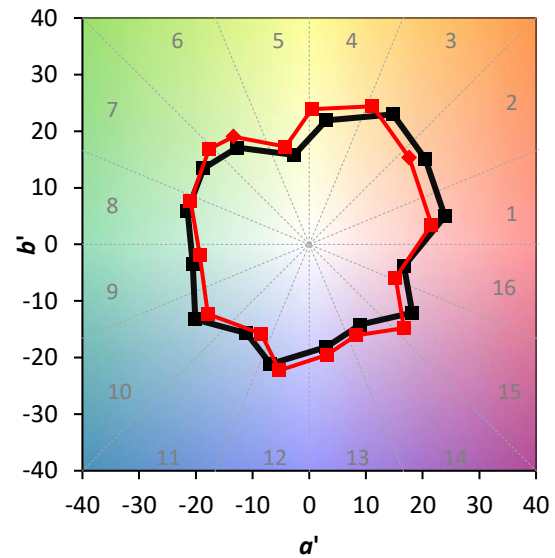
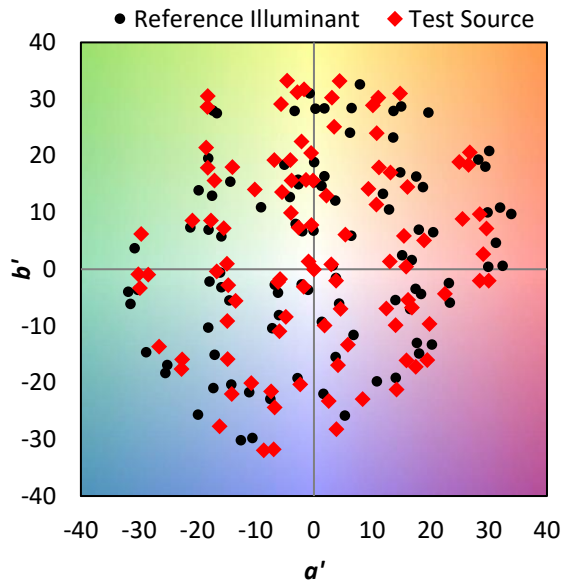
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_g = 6.8$

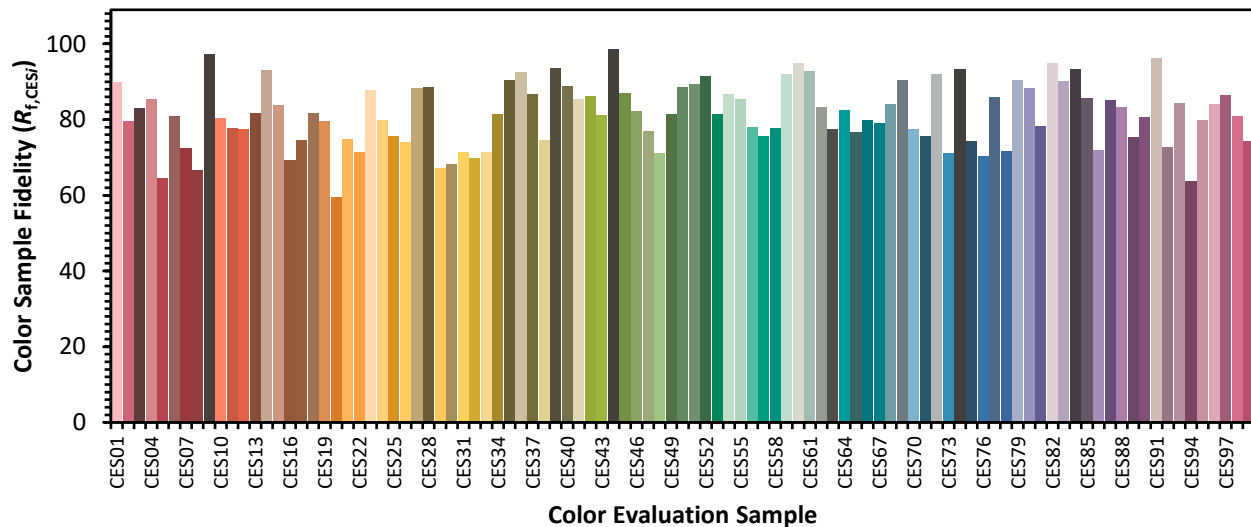


Color Vector Graphics

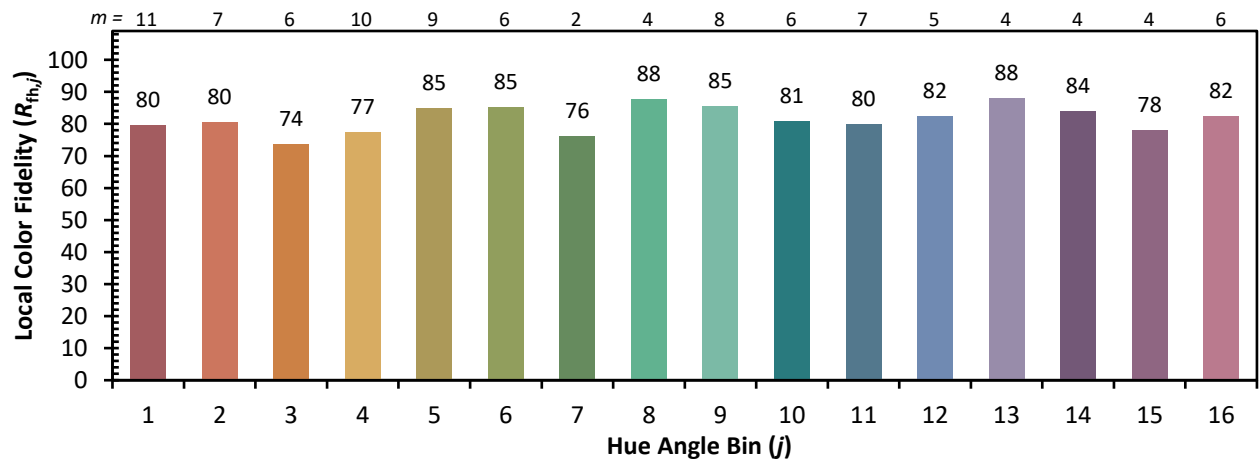
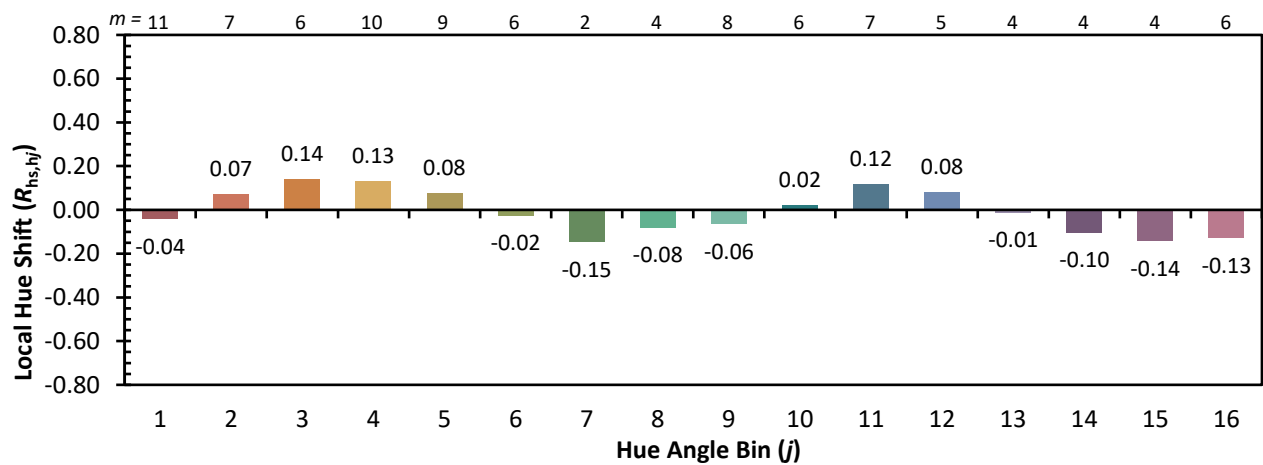
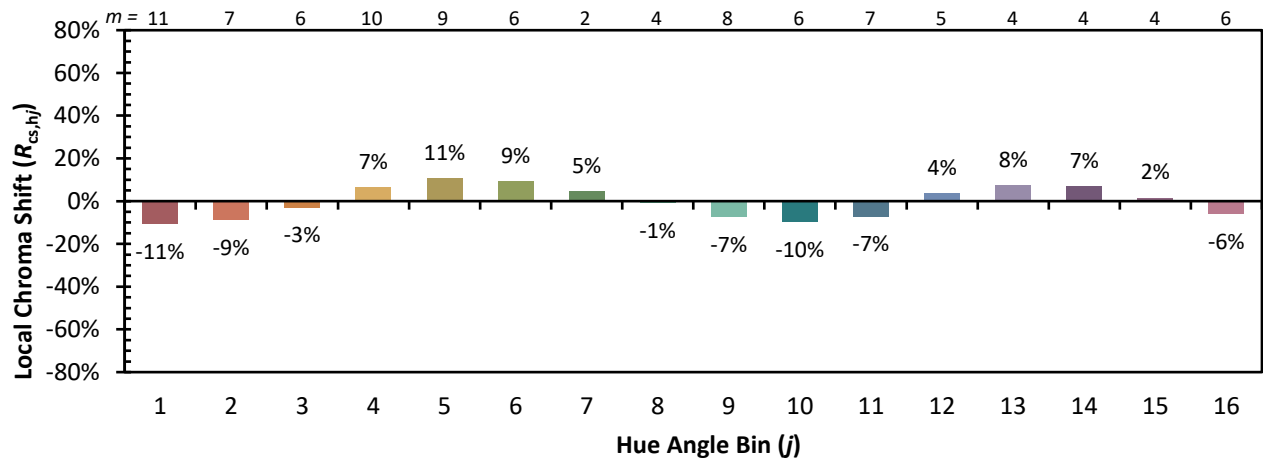


Individual Sample Fidelity Index ($R_{f,i}$)

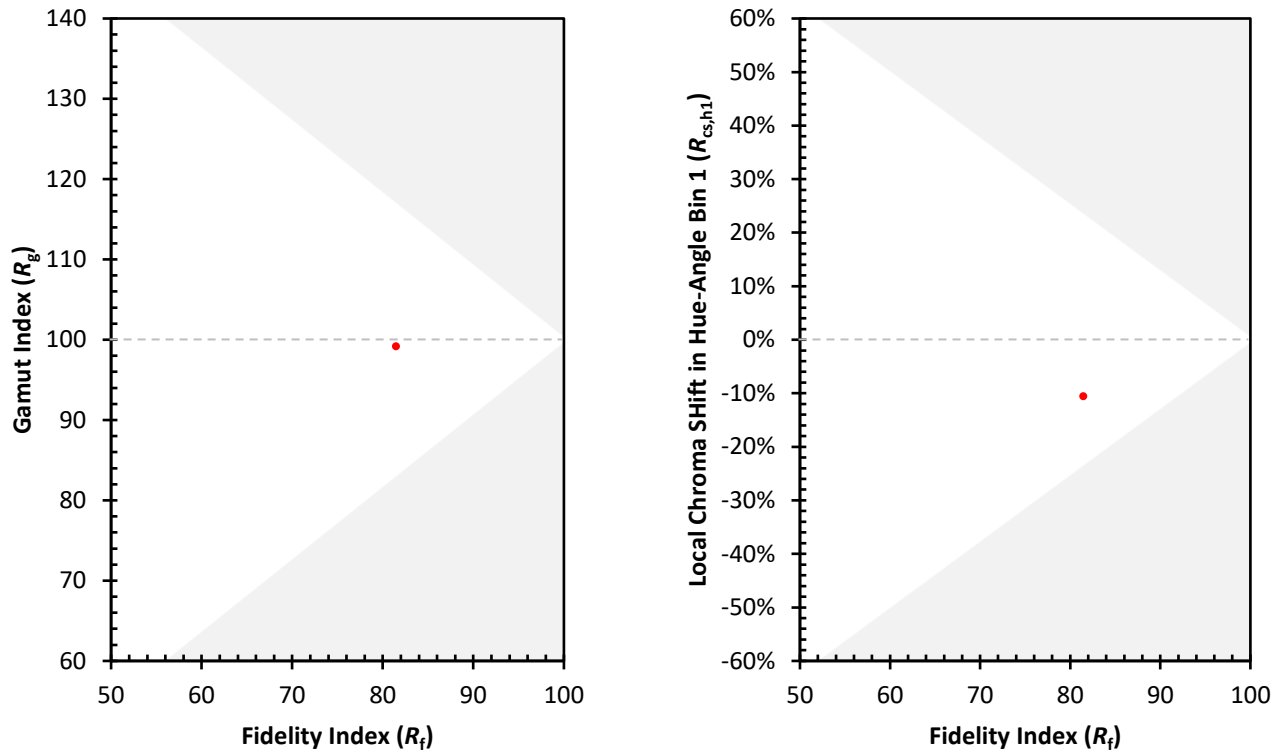
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)