

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: P1066390

Luminaire Tested: **NVN-SA3B-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066390
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA3B-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 10641.1 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 106.2
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

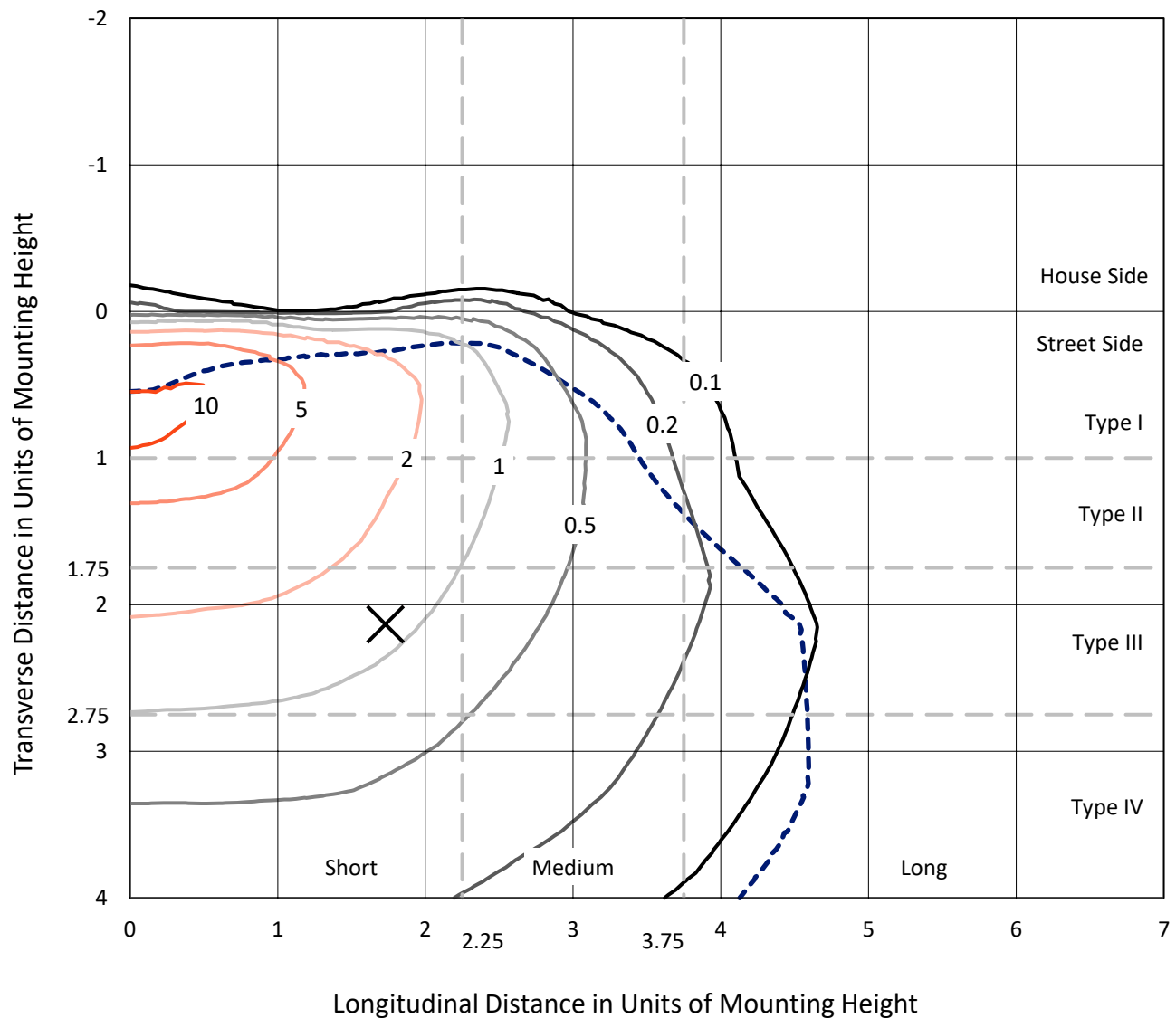


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

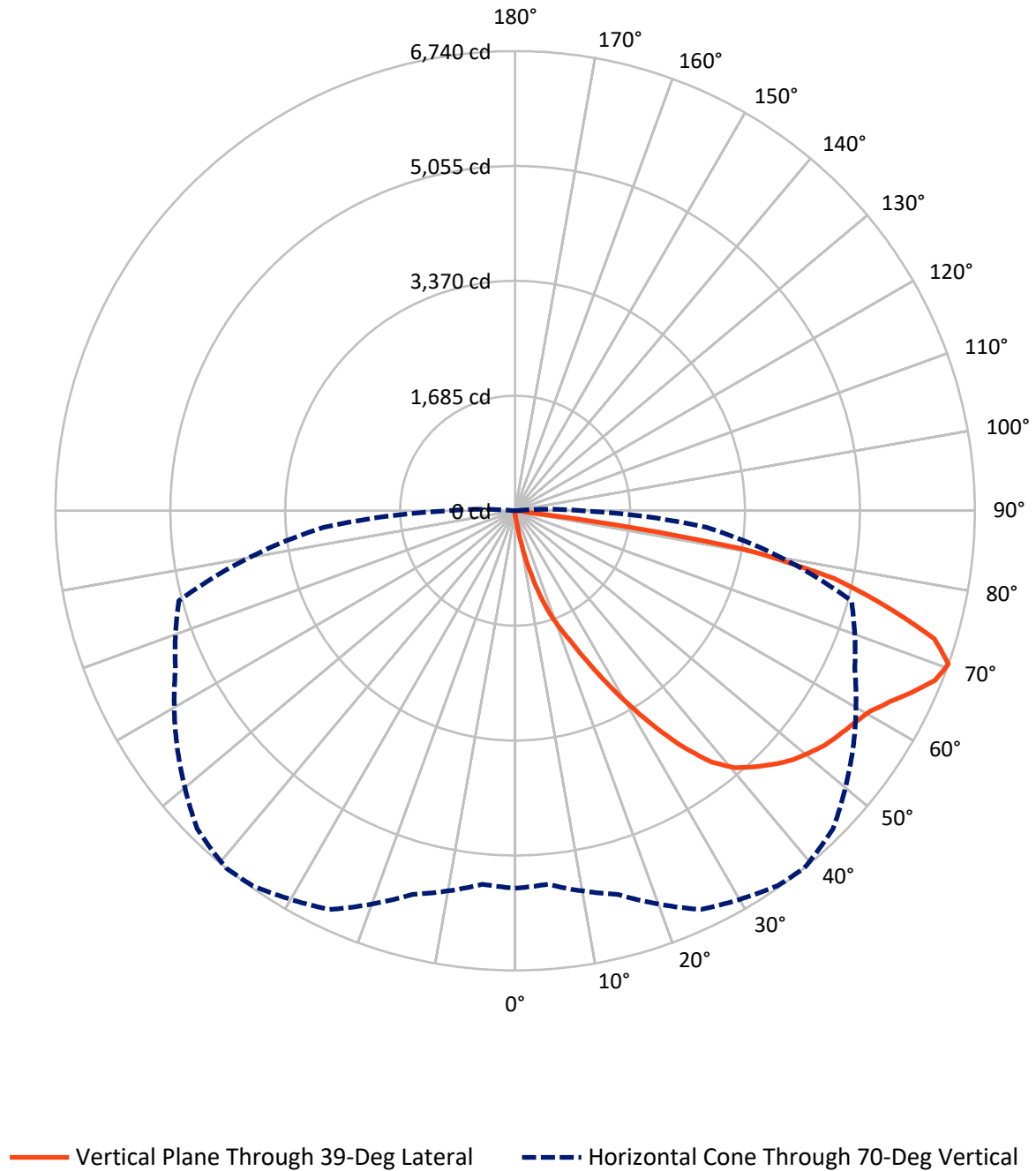


Based on 15 foot mounting height. Maximum calculated value = 11.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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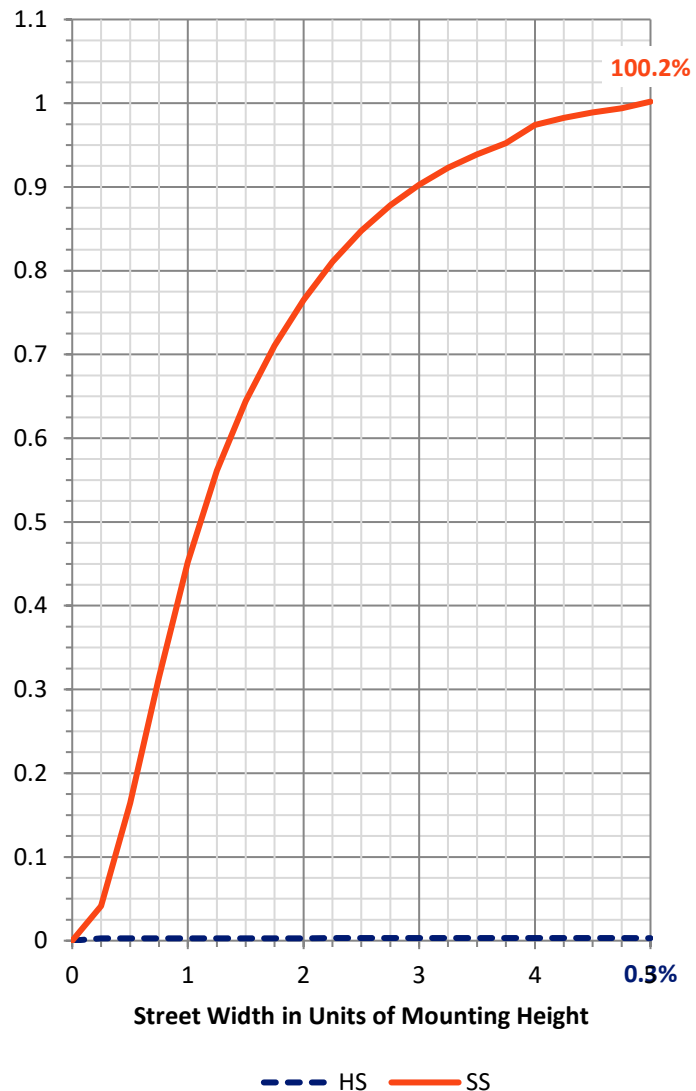
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32.8	0.0	32.8
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	10608.3	0.0	10608.3
	% Fixture	99.7	0.0	99.7
Total	Lumens	10641.1	0.0	10641.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	130.8	1.2
20°-30°	443.9	4.2
30°-40°	1043.3	9.8
40°-50°	1694.1	15.9
50°-60°	2146.8	20.2
60°-70°	2727.0	25.6
70°-80°	2215.7	20.8
80°-90°	228.1	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°	10641.1	100.0
0°-180°	10641.1	100.0



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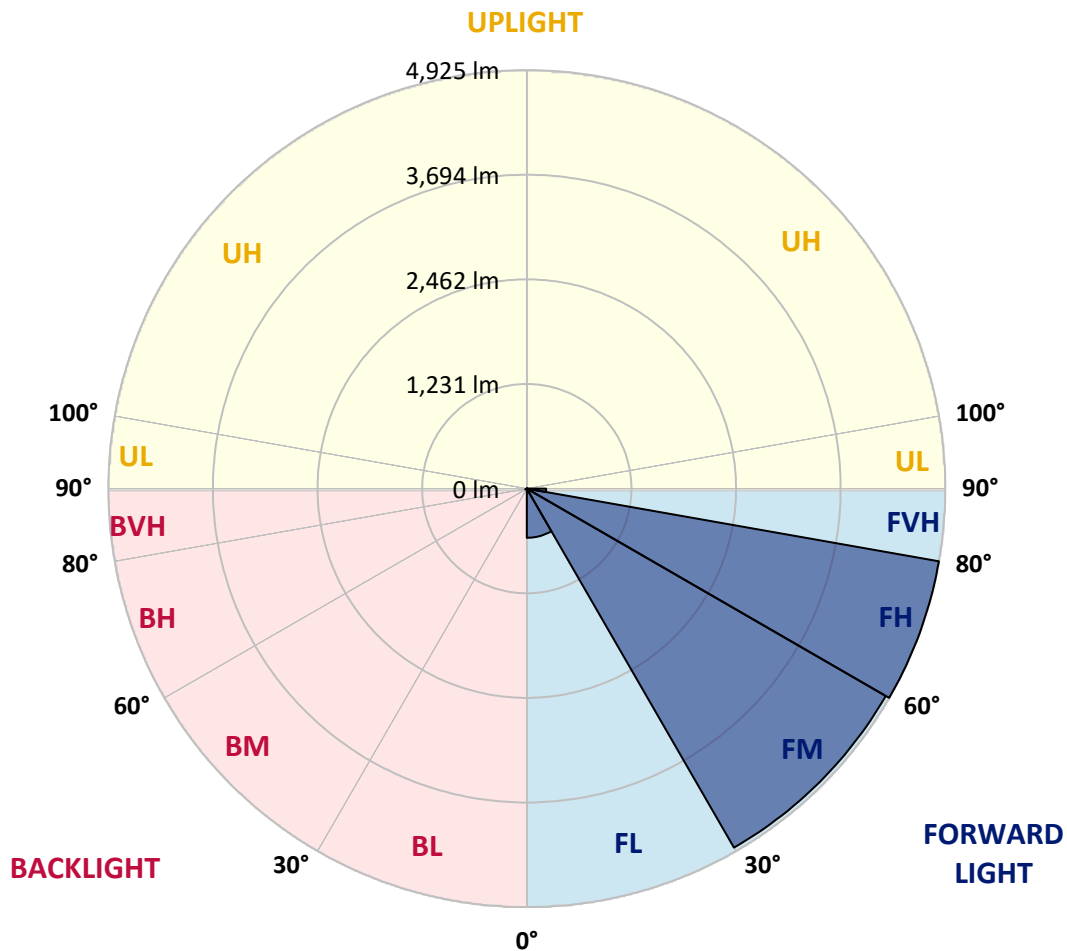
CATALOG NUMBER: NVN-SA3B-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.9	5.4			
FM	(30°-60°)	4878.0	45.8			
FH	(60°-80°)	4924.7	46.3			G2/5000
FVH	(80°-90°)	226.8	2.1			G3/500
BL	(0°-30°)	7.1	0.1	B0/110		
BM	(30°-60°)	6.3	0.1	B0/220		
BH	(60°-80°)	18.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2.5°	75.1	75.1	75.1	72.2	72.2	69.3	69.3	66.4	63.6	63.6	60.7
5°	141.6	144.5	135.8	118.5	106.9	101.1	95.3	80.9	72.2	66.4	60.7
7.5°	387.1	375.6	358.2	300.5	231.1	196.5	167.6	118.5	86.7	69.3	60.7
10°	814.7	782.9	733.8	655.8	520.0	465.1	361.1	216.7	121.3	78.0	60.7
12.5°	1196.1	1201.8	1141.2	1066.1	901.4	808.9	667.4	407.4	190.7	92.4	60.7
15°	1485.0	1479.2	1456.1	1395.4	1248.1	1158.5	1031.4	684.7	320.7	115.6	63.6
17.5°	1713.2	1690.1	1681.4	1655.4	1560.1	1511.0	1372.3	1008.3	508.5	156.0	66.4
20°	1941.4	1935.6	1927.0	1898.1	1834.5	1799.9	1693.0	1334.7	756.9	222.5	72.2
22.5°	2273.7	2241.9	2247.7	2184.1	2132.1	2071.4	1984.8	1681.4	1042.9	317.8	80.9
25°	2663.7	2660.8	2614.6	2585.7	2499.0	2432.6	2317.0	2016.5	1360.7	459.4	89.6
27.5°	3123.0	3091.3	3071.0	3021.9	2932.4	2857.2	2698.3	2348.8	1704.5	618.3	101.1
30°	3602.6	3602.6	3565.1	3489.9	3403.3	3310.8	3149.0	2698.3	2045.4	820.5	115.6
32.5°	4163.1	4174.6	4082.2	3969.5	3856.8	3793.3	3582.4	3094.1	2371.9	1051.6	132.9
35°	4706.2	4691.8	4538.7	4414.4	4330.6	4261.3	4082.2	3527.5	2741.7	1320.3	156.0
37.5°	5226.2	5188.7	4934.5	4758.2	4720.7	4674.4	4495.3	3960.9	3108.6	1617.9	184.9
40°	5598.9	5541.2	5278.2	5035.6	4980.7	4954.7	4816.0	4353.8	3495.7	1950.1	222.5
42.5°	5760.7	5694.3	5512.3	5315.8	5194.5	5133.8	5012.5	4674.4	3882.8	2319.9	277.3
45°	5792.5	5740.5	5610.5	5564.3	5399.6	5307.1	5142.5	4902.7	4244.0	2686.8	352.5
47.5°	5676.9	5653.8	5575.8	5674.0	5590.3	5463.1	5263.8	5073.1	4564.7	3131.7	456.5
50°	5393.8	5376.5	5414.0	5671.2	5728.9	5584.5	5396.7	5206.0	4842.0	3591.1	603.8
52.5°	5012.5	5009.6	5185.8	5596.0	5789.6	5700.0	5526.7	5338.9	5061.6	4036.0	811.8
55°	4596.4	4645.6	4954.7	5526.7	5824.3	5783.8	5653.8	5457.4	5258.0	4449.1	1146.9
57.5°	4561.8	4541.5	4839.1	5497.8	5844.5	5867.6	5780.9	5581.6	5425.6	4787.1	1594.7
60°	4908.5	4862.2	4974.9	5558.5	5934.1	5974.5	5908.1	5676.9	5593.2	5052.9	2184.1
62.5°	5310.0	5266.7	5324.5	5792.5	6110.3	6168.1	6084.3	5775.2	5728.9	5237.8	2816.8
65°	5630.7	5596.0	5705.8	6142.1	6355.9	6405.0	6347.2	5957.2	5789.6	5388.0	3331.0
67.5°	5682.7	5639.4	5867.6	6376.1	6604.3	6639.0	6592.8	6133.4	5769.4	5399.6	3449.5
70°	5535.4	5497.8	5824.3	6451.2	6711.2	6740.1	6592.8	6049.6	5494.9	5104.9	2819.7
72.5°	5081.8	5110.7	5532.5	6269.2	6563.9	6431.0	6119.0	5627.8	5139.6	4327.8	1979.0
75°	4376.9	4408.7	4969.1	5769.4	5792.5	5630.7	5463.1	5177.1	4599.3	2851.5	1372.3
77.5°	3111.5	2998.8	3836.6	4764.0	4680.2	4784.2	4798.7	4307.5	3851.1	1485.0	918.7
80°	306.2	260.0	482.5	1366.5	3019.0	3374.4	3513.1	3319.5	2839.9	664.5	482.5
82.5°	66.4	66.4	72.2	78.0	121.3	182.0	834.9	2045.4	1834.5	338.0	156.0
85°	37.6	37.6	46.2	54.9	72.2	80.9	95.3	127.1	494.0	121.3	28.9
87.5°	28.9	31.8	37.6	46.2	60.7	66.4	80.9	101.1	124.2	112.7	8.7
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-SA3B-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2.5°	60.7	57.8	54.9	52.0	49.1	49.1	46.2	46.2	46.2	46.2	46.2
5°	57.8	54.9	52.0	46.2	43.3	40.4	37.6	37.6	37.6	37.6	37.6
7.5°	57.8	54.9	49.1	43.3	37.6	34.7	31.8	28.9	28.9	31.8	31.8
10°	57.8	52.0	43.3	37.6	31.8	28.9	26.0	23.1	23.1	23.1	23.1
12.5°	54.9	49.1	40.4	34.7	28.9	23.1	17.3	14.4	14.4	14.4	14.4
15°	52.0	46.2	37.6	28.9	20.2	14.4	11.6	8.7	8.7	8.7	8.7
17.5°	52.0	43.3	34.7	26.0	14.4	8.7	5.8	2.9	2.9	2.9	5.8
20°	52.0	43.3	31.8	20.2	8.7	5.8	5.8	2.9	0.0	2.9	2.9
22.5°	52.0	40.4	26.0	14.4	8.7	5.8	2.9	0.0	0.0	0.0	0.0
25°	54.9	40.4	23.1	11.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0
27.5°	54.9	37.6	20.2	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	57.8	37.6	17.3	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	57.8	34.7	11.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	57.8	31.8	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	57.8	28.9	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	60.7	26.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	63.6	23.1	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	66.4	20.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	75.1	20.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	86.7	20.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	104.0	20.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	135.8	17.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	196.5	17.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	329.3	17.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	577.8	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	976.5	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1274.1	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	967.8	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	462.2	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	205.1	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	89.6	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.7	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	14.4	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
85°	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
87.5°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	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: SP1-2407-184-9

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

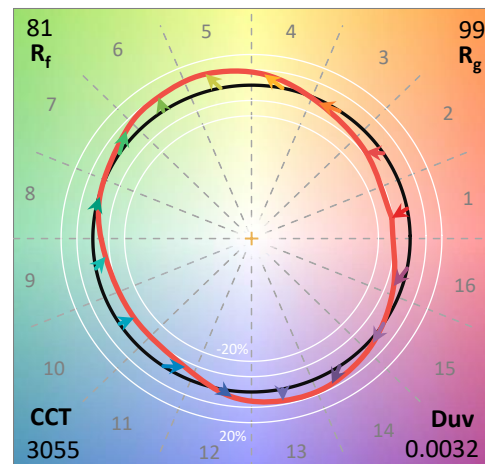
Test Information

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

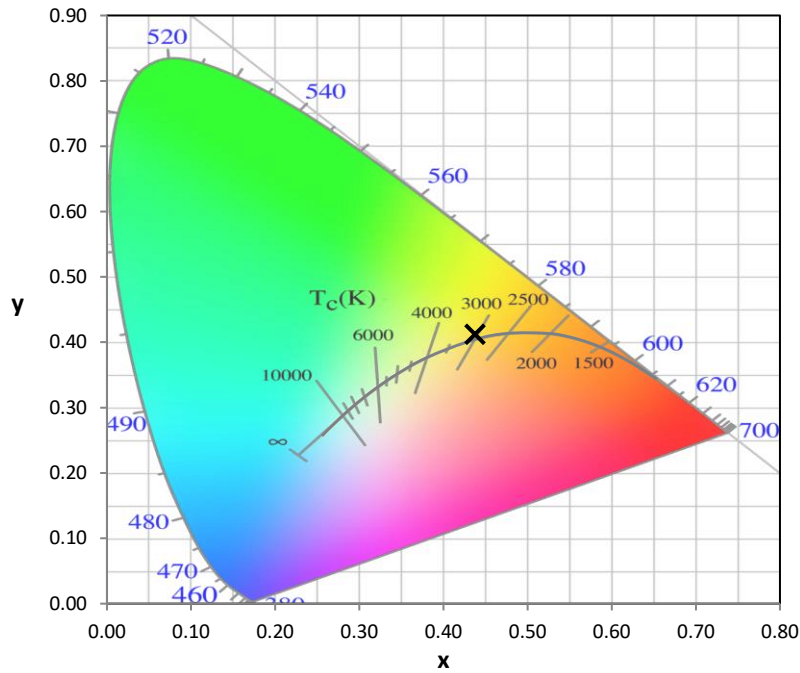
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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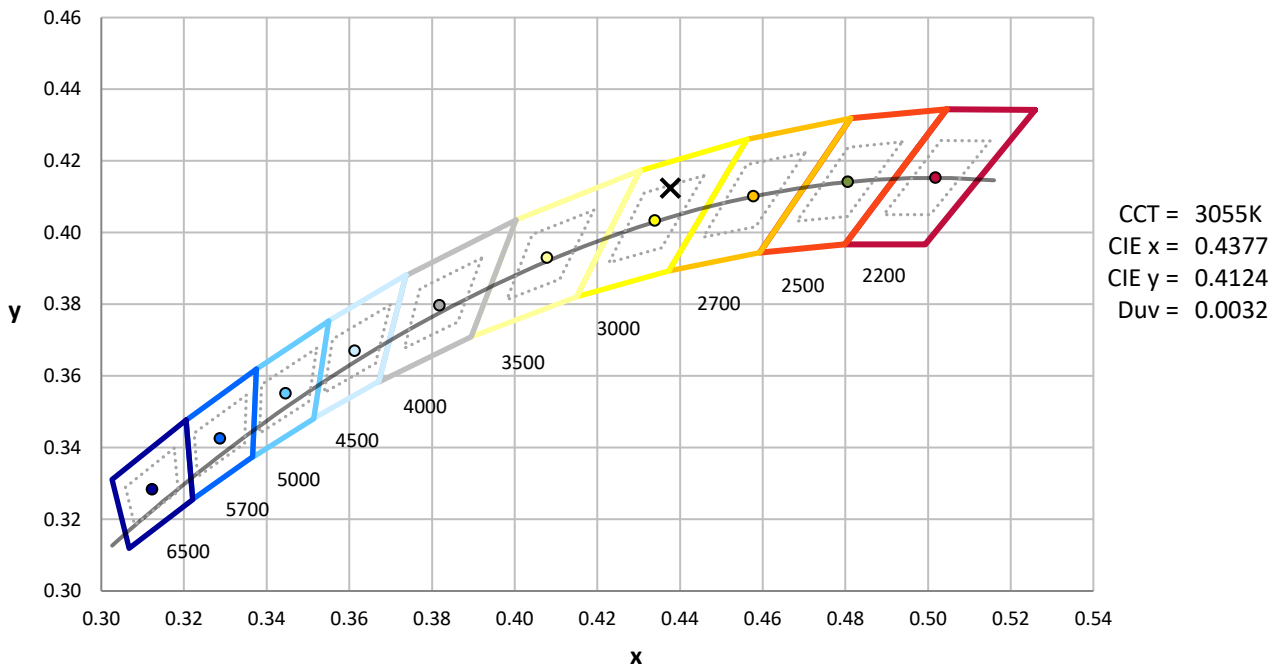
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



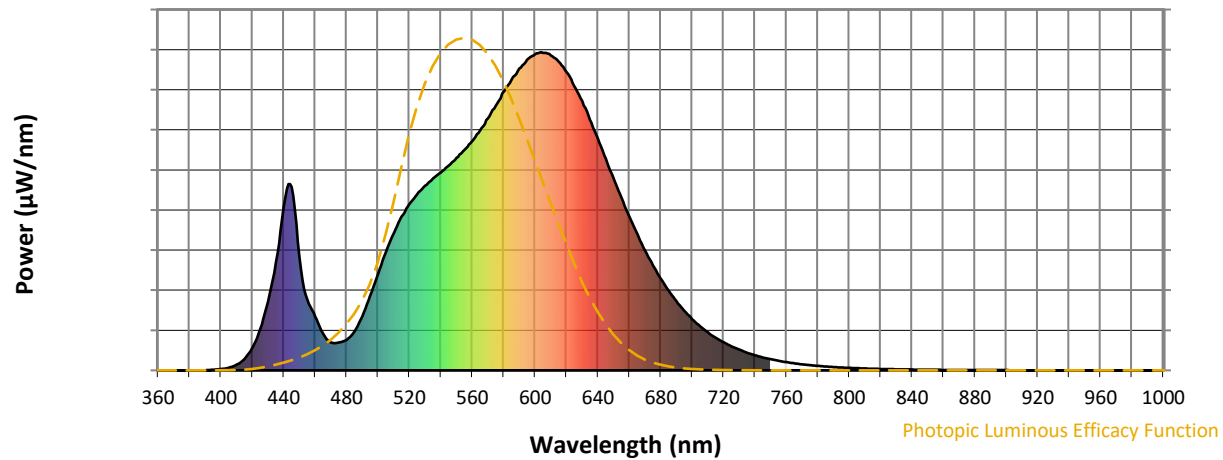
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

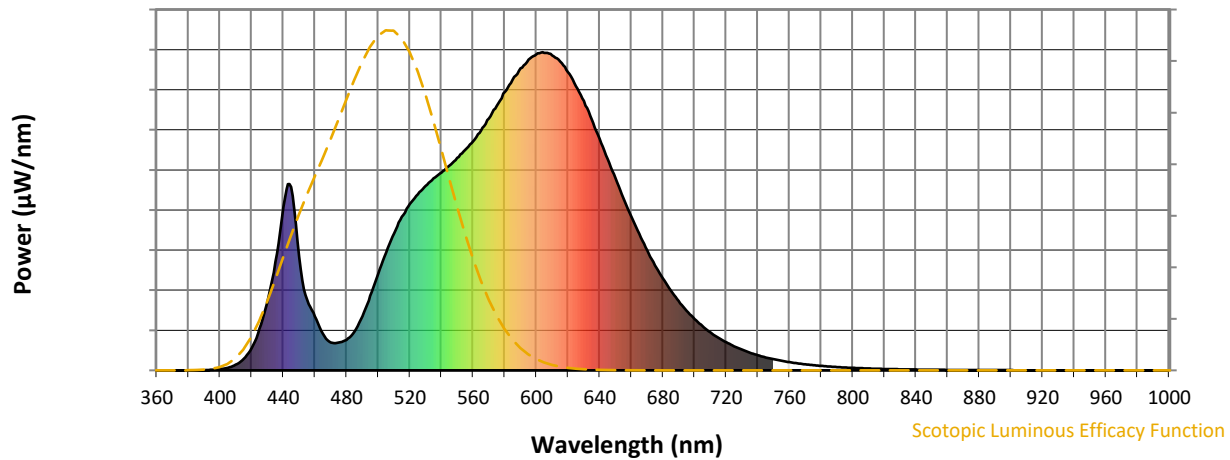


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength



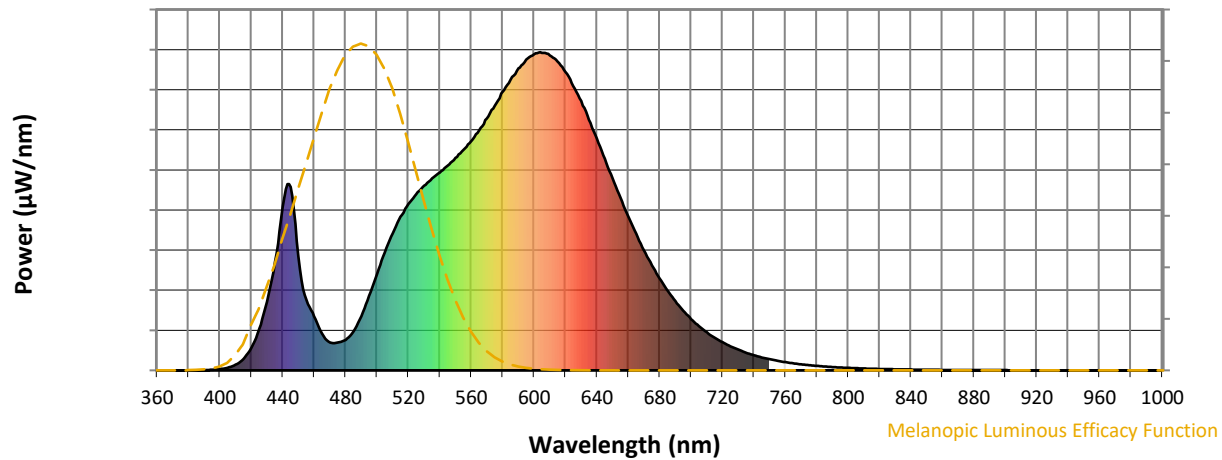
Scotopic Lumens: NR

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

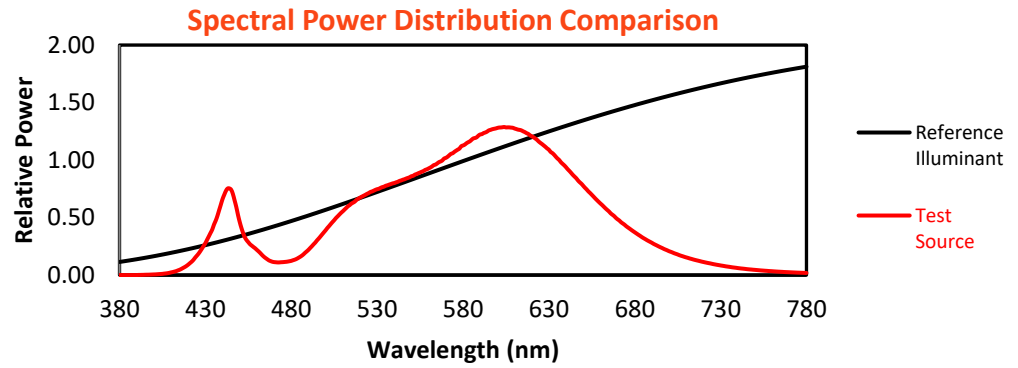
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	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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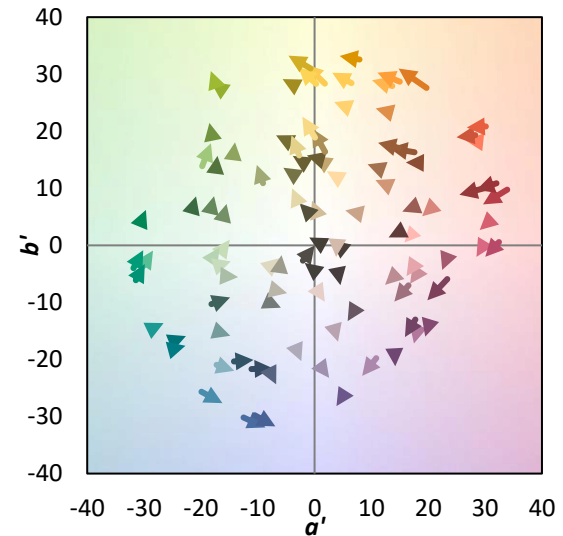
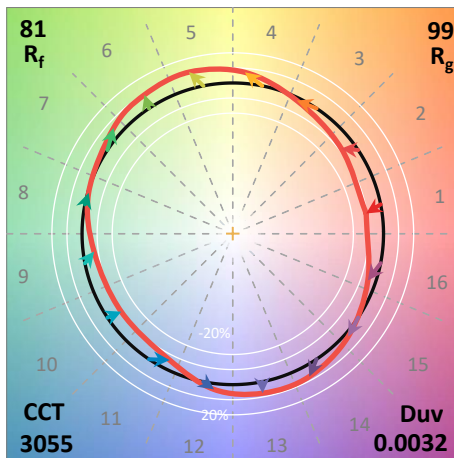
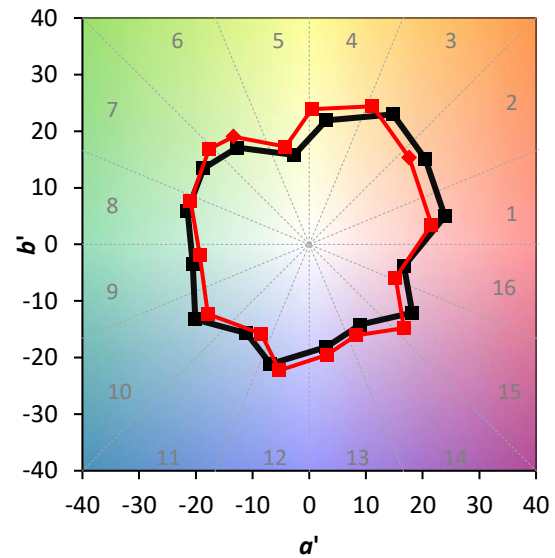
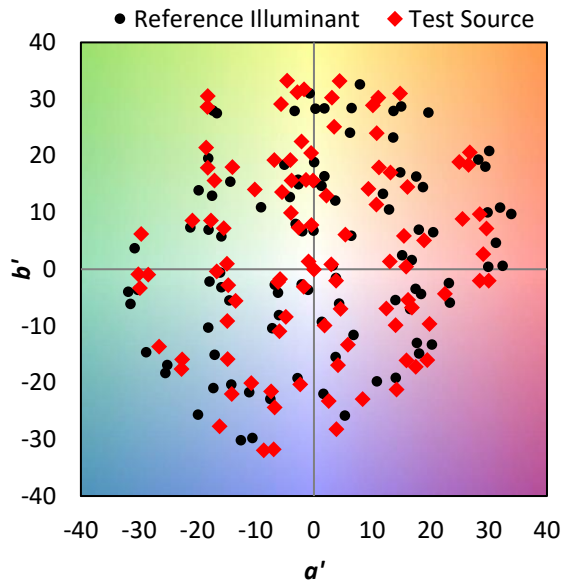
TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$

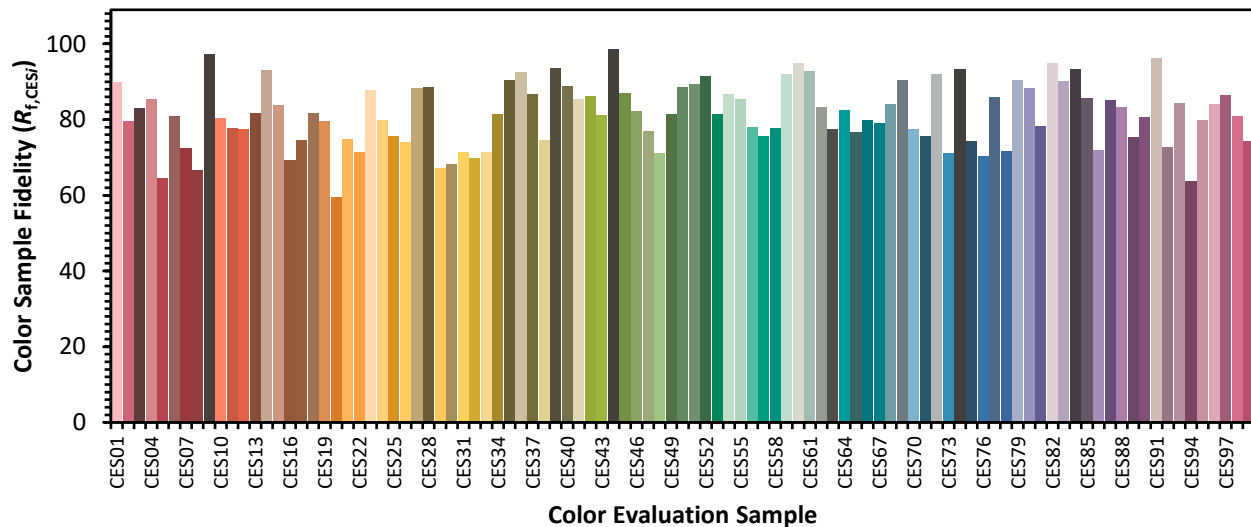


Color Vector Graphics

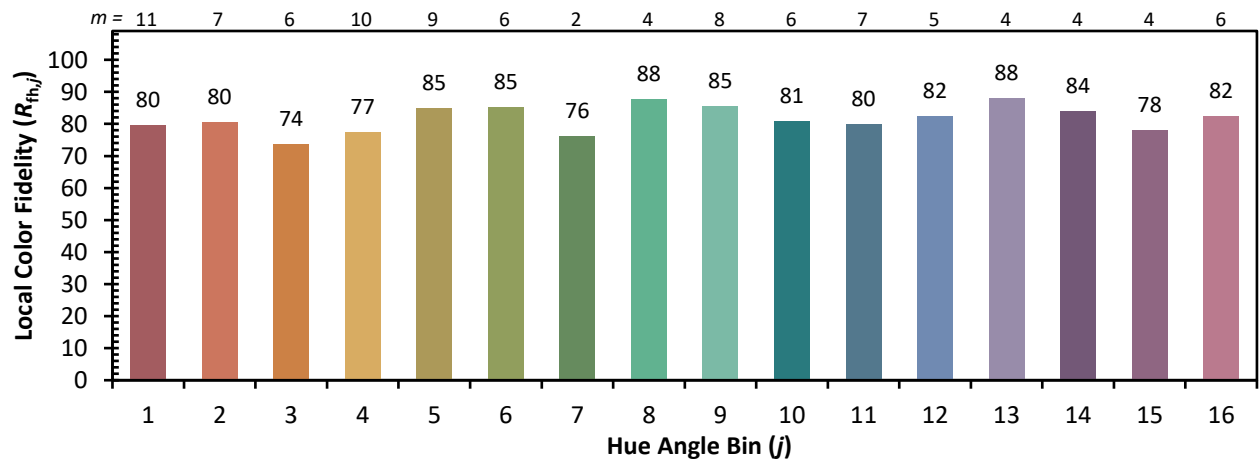
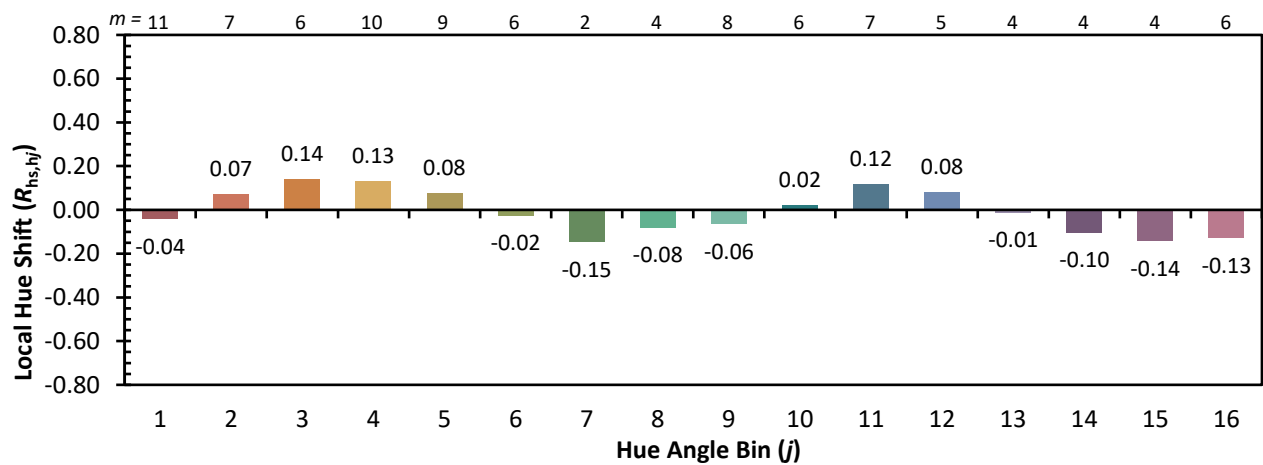
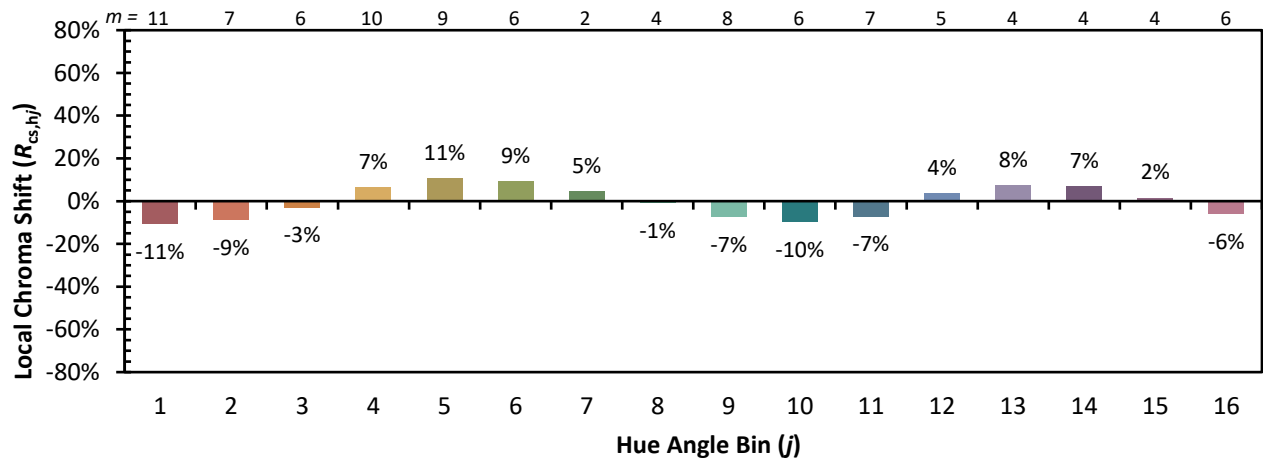


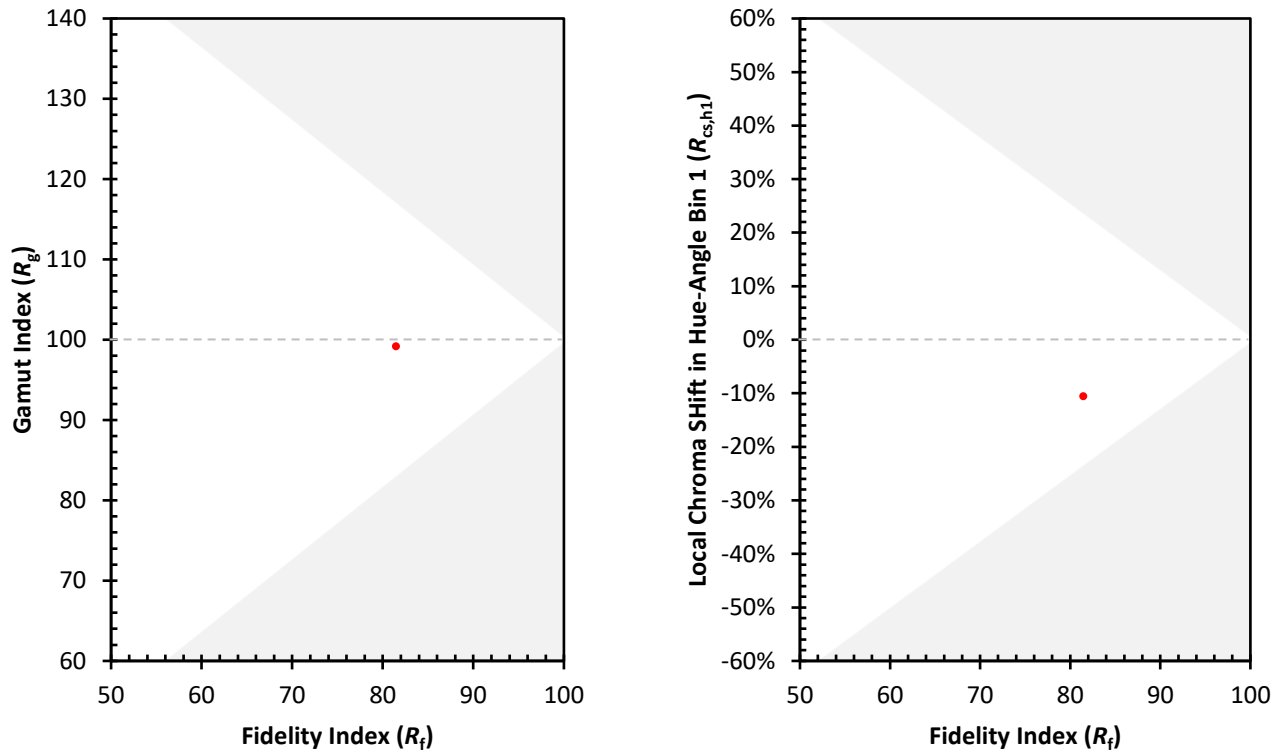
Individual Sample Fidelity Index ($R_{f,i}$)

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)