

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: P1066404

Luminaire Tested: **NVN-SA6D-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066404
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA6D-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 6xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29002.3 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 320.4
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

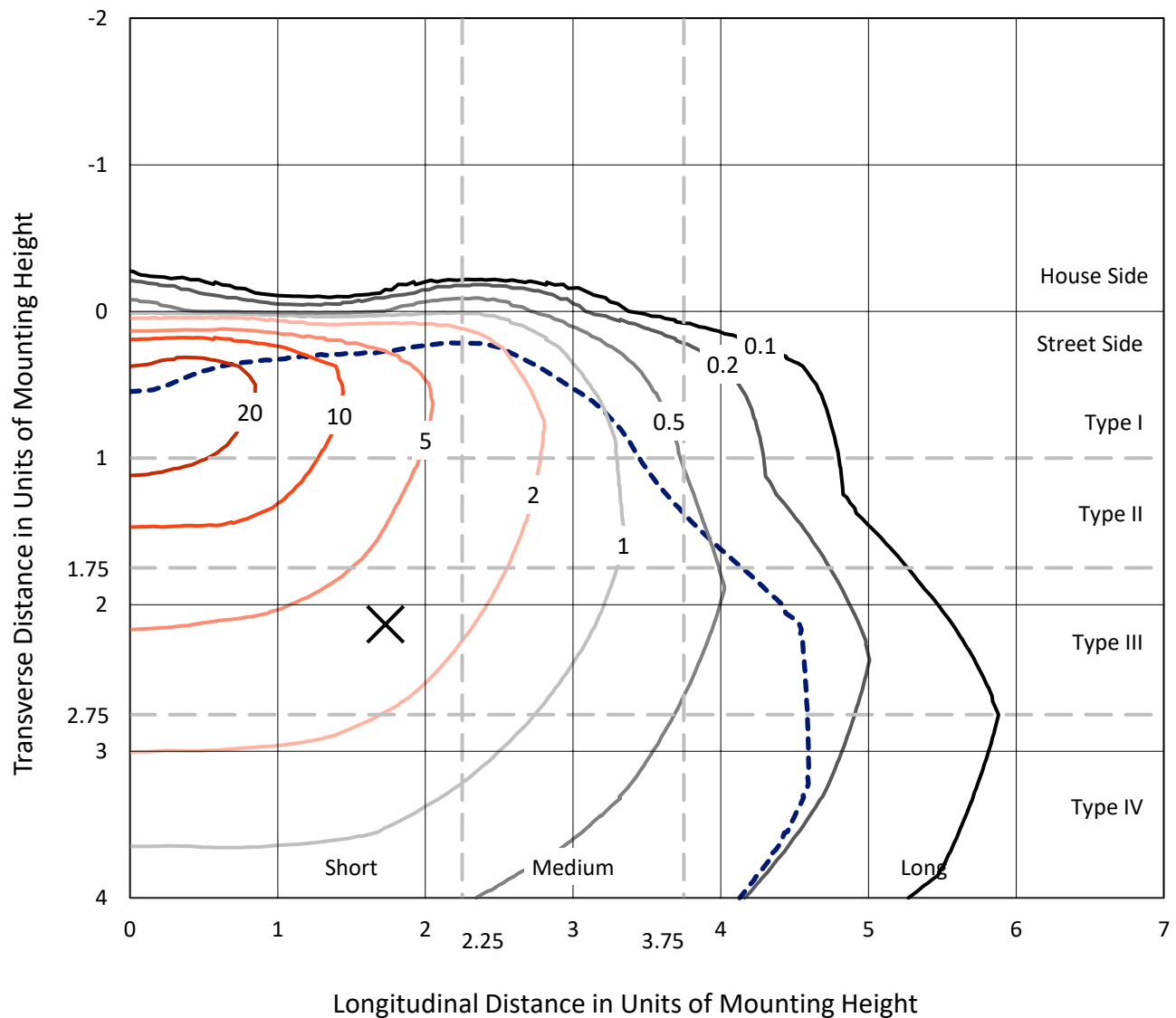


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

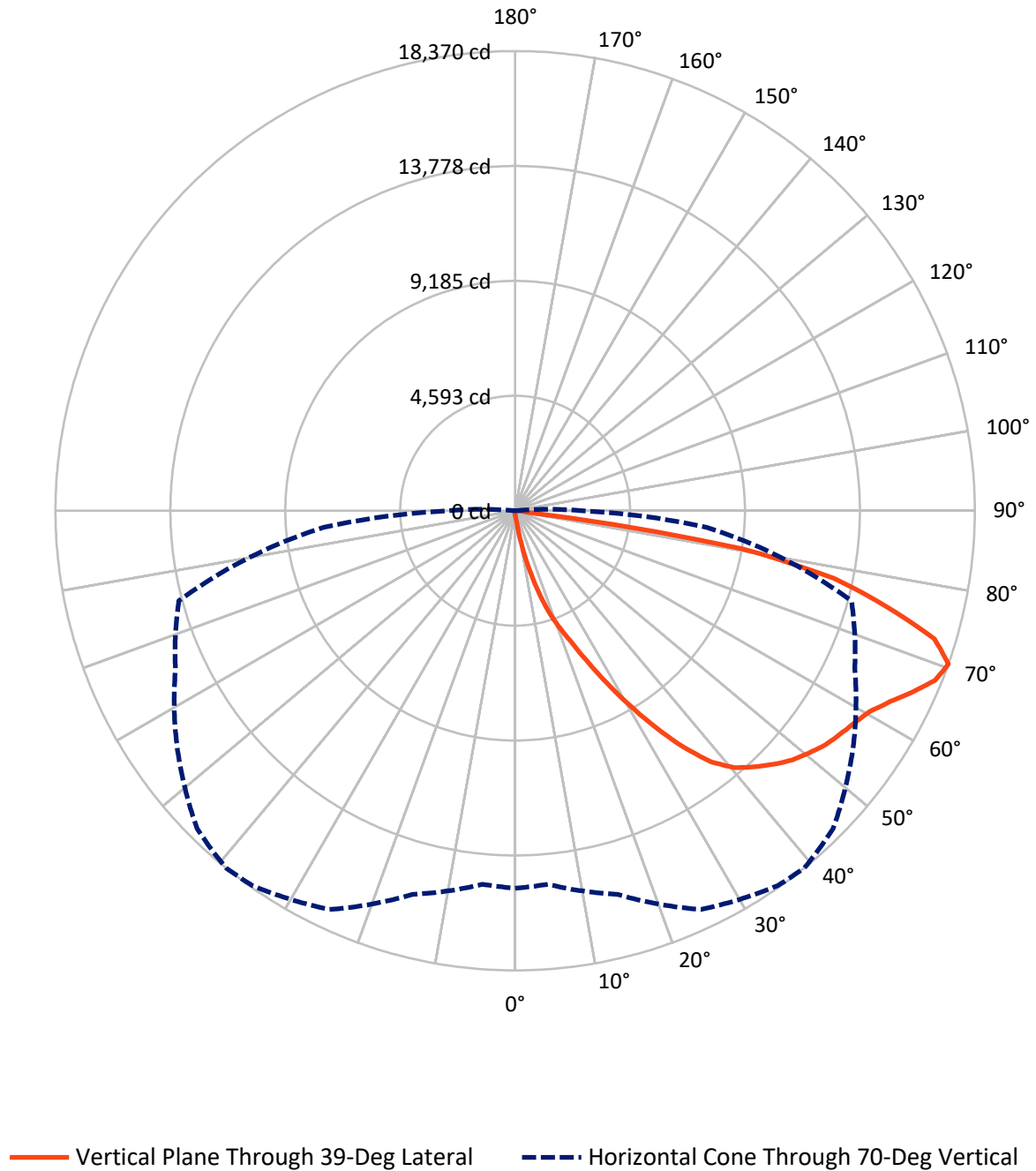


Based on 15 foot mounting height. Maximum calculated value = 31.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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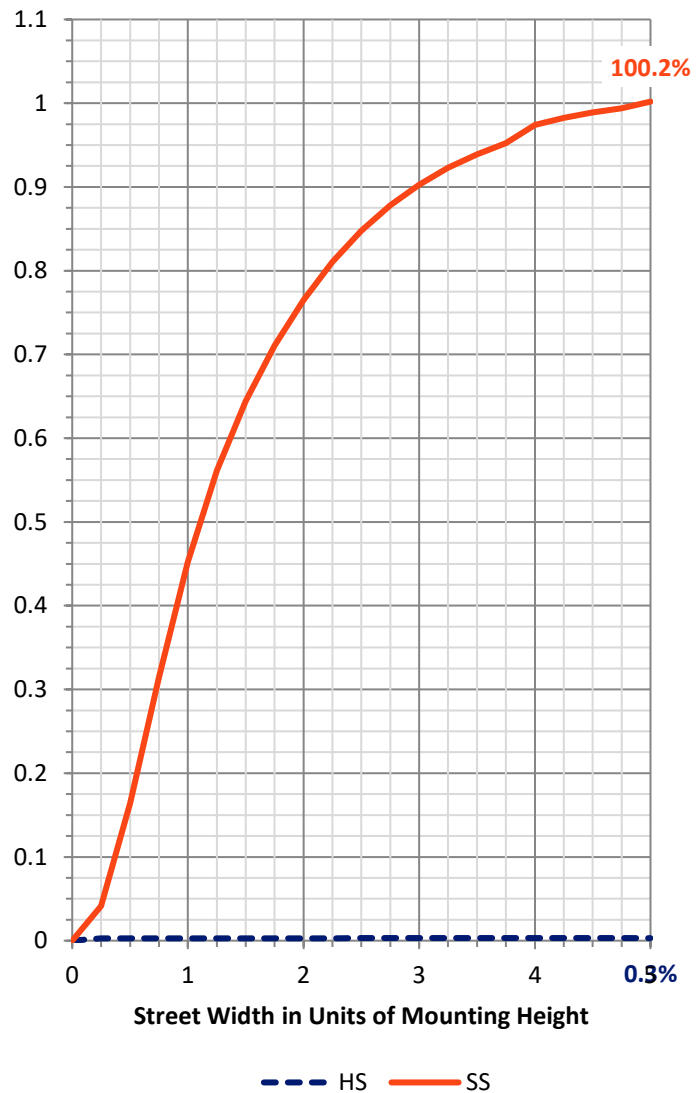
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.3	0.0	89.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	28913.0	0.0	28913.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	29002.3	0.0	29002.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	0.1
10°-20°	356.6	1.2
20°-30°	1209.9	4.2
30°-40°	2843.6	9.8
40°-50°	4617.4	15.9
50°-60°	5851.1	20.2
60°-70°	7432.5	25.6
70°-80°	6038.9	20.8
80°-90°	621.8	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°	29002.3	100.0
0°-180°	29002.3	100.0



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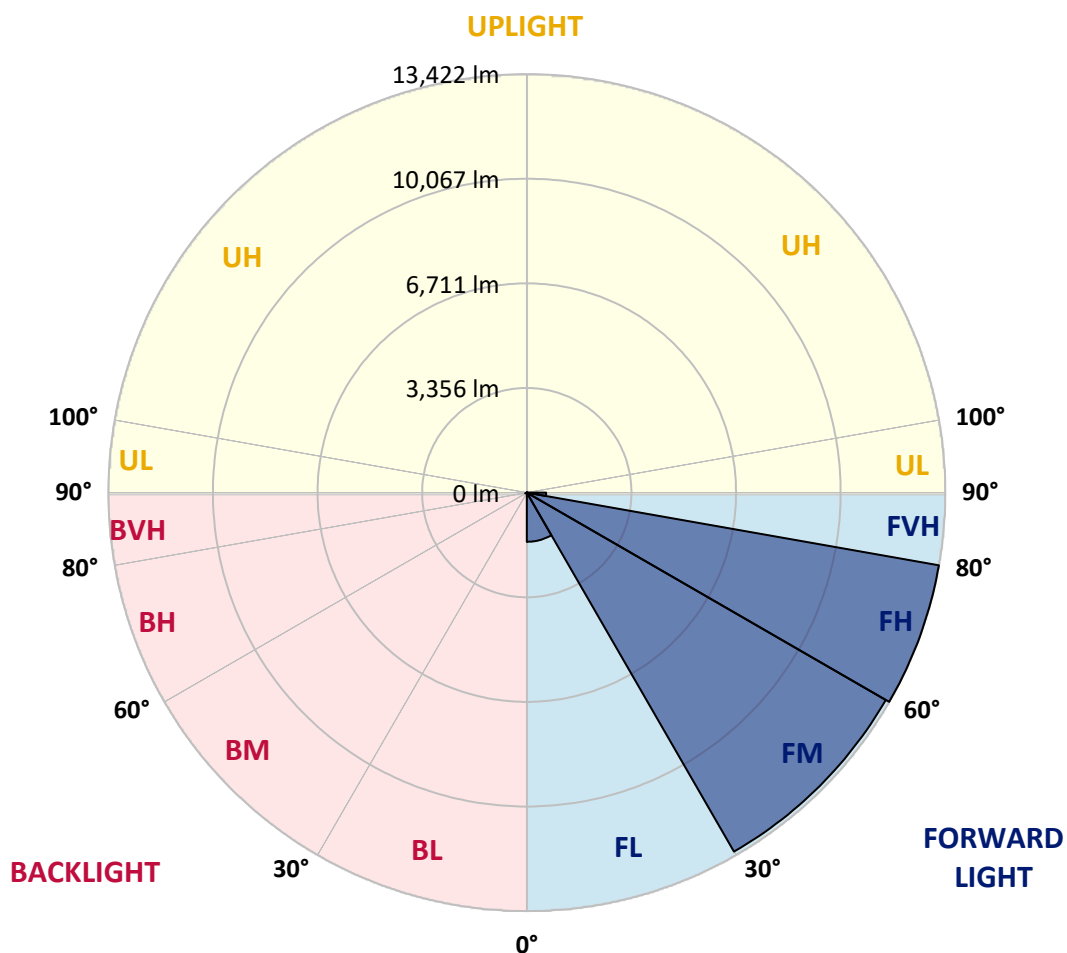
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1577.7	5.4			
FM	(30°-60°)	13294.9	45.8			
FH	(60°-80°)	13422.3	46.3			G5
FVH	(80°-90°)	618.1	2.1			G4/750
BL	(0°-30°)	19.3	0.1	B0/110		
BM	(30°-60°)	17.2	0.1	B0/220		
BH	(60°-80°)	49.1	0.2	B0/110		G0/110
BVH	(80°-90°)	3.7	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5
2.5°	204.7	204.7	204.7	196.9	196.9	189.0	189.0	181.1	173.2	173.2	165.4
5°	385.8	393.7	370.1	322.8	291.3	275.6	259.8	220.5	196.9	181.1	165.4
7.5°	1055.1	1023.6	976.4	818.9	629.9	535.4	456.7	322.8	236.2	189.0	165.4
10°	2220.5	2133.9	2000.0	1787.4	1417.3	1267.7	984.3	590.6	330.7	212.6	165.4
12.5°	3259.9	3275.6	3110.2	2905.5	2456.7	2204.7	1818.9	1110.2	519.7	252.0	165.4
15°	4047.3	4031.5	3968.5	3803.2	3401.6	3157.5	2811.0	1866.1	874.0	315.0	173.2
17.5°	4669.3	4606.3	4582.7	4511.8	4252.0	4118.1	3740.2	2748.0	1385.8	425.2	181.1
20°	5291.4	5275.6	5252.0	5173.2	5000.0	4905.5	4614.2	3637.8	2063.0	606.3	196.9
22.5°	6196.9	6110.3	6126.0	5952.8	5811.0	5645.7	5409.5	4582.7	2842.5	866.1	220.5
25°	7259.9	7252.0	7126.0	7047.3	6811.0	6629.9	6315.0	5496.1	3708.7	1252.0	244.1
27.5°	8511.8	8425.2	8370.1	8236.2	7992.1	7787.4	7354.4	6401.6	4645.7	1685.0	275.6
30°	9818.9	9818.9	9716.6	9511.8	9275.6	9023.6	8582.7	7354.4	5574.8	2236.2	315.0
32.5°	11346.5	11378.0	11126.0	10818.9	10511.8	10338.6	9763.8	8433.1	6464.6	2866.1	362.2
35°	12826.8	12787.4	12370.1	12031.5	11803.2	11614.2	11126.0	9614.2	7472.5	3598.4	425.2
37.5°	14244.1	14141.8	13448.9	12968.5	12866.2	12740.2	12252.0	10795.3	8472.5	4409.5	503.9
40°	15259.9	15102.4	14385.9	13724.4	13574.8	13504.0	13126.0	11866.2	9527.6	5315.0	606.3
42.5°	15700.8	15519.7	15023.7	14488.2	14157.5	13992.2	13661.5	12740.2	10582.7	6322.9	755.9
45°	15787.4	15645.7	15291.4	15165.4	14716.6	14464.6	14015.8	13362.2	11567.0	7322.9	960.6
47.5°	15472.5	15409.5	15196.9	15464.6	15236.3	14889.8	14346.5	13826.8	12441.0	8535.5	1244.1
50°	14700.8	14653.6	14755.9	15456.7	15614.2	15220.5	14708.7	14189.0	13196.9	9787.4	1645.7
52.5°	13661.5	13653.6	14133.9	15252.0	15779.6	15535.5	15063.0	14551.2	13795.3	11000.0	2212.6
55°	12527.6	12661.5	13504.0	15063.0	15874.1	15763.8	15409.5	14874.1	14330.7	12126.0	3126.0
57.5°	12433.1	12378.0	13189.0	14984.3	15929.2	15992.2	15756.0	15212.6	14787.4	13047.3	4346.5
60°	13378.0	13252.0	13559.1	15149.6	16173.3	16283.5	16102.4	15472.5	15244.1	13771.7	5952.8
62.5°	14472.5	14354.4	14511.9	15787.4	16653.6	16811.1	16582.7	15740.2	15614.2	14275.6	7677.2
65°	15346.5	15252.0	15551.2	16740.2	17322.9	17456.7	17299.3	16236.3	15779.6	14685.1	9078.8
67.5°	15488.2	15370.1	15992.2	17378.0	18000.1	18094.5	17968.6	16716.6	15724.5	14716.6	9401.6
70°	15086.7	14984.3	15874.1	17582.7	18291.4	18370.1	17968.6	16488.2	14976.4	13913.4	7685.1
72.5°	13850.4	13929.2	15078.8	17086.7	17889.8	17527.6	16677.2	15338.6	14007.9	11795.3	5393.7
75°	11929.2	12015.8	13543.3	15724.5	15787.4	15346.5	14889.8	14110.3	12535.5	7771.7	3740.2
77.5°	8480.3	8173.3	10456.7	12984.3	12755.9	13039.4	13078.8	11740.2	10496.1	4047.3	2503.9
80°	834.6	708.7	1315.0	3724.4	8228.4	9196.9	9574.8	9047.3	7740.2	1811.0	1315.0
82.5°	181.1	181.1	196.9	212.6	330.7	496.1	2275.6	5574.8	5000.0	921.3	425.2
85°	102.4	102.4	126.0	149.6	196.9	220.5	259.8	346.5	1346.5	330.7	78.7
87.5°	78.7	86.6	102.4	126.0	165.4	181.1	220.5	275.6	338.6	307.1	23.6
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°	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5	157.5
2.5°	165.4	157.5	149.6	141.7	133.9	133.9	126.0	126.0	126.0	126.0	126.0
5°	157.5	149.6	141.7	126.0	118.1	110.2	102.4	102.4	102.4	102.4	102.4
7.5°	157.5	149.6	133.9	118.1	102.4	94.5	86.6	78.7	78.7	86.6	86.6
10°	157.5	141.7	118.1	102.4	86.6	78.7	70.9	63.0	63.0	63.0	63.0
12.5°	149.6	133.9	110.2	94.5	78.7	63.0	47.2	39.4	39.4	39.4	39.4
15°	141.7	126.0	102.4	78.7	55.1	39.4	31.5	23.6	23.6	23.6	23.6
17.5°	141.7	118.1	94.5	70.9	39.4	23.6	15.7	7.9	7.9	7.9	15.7
20°	141.7	118.1	86.6	55.1	23.6	15.7	15.7	7.9	0.0	7.9	7.9
22.5°	141.7	110.2	70.9	39.4	23.6	15.7	7.9	0.0	0.0	0.0	0.0
25°	149.6	110.2	63.0	31.5	15.7	7.9	0.0	0.0	0.0	0.0	0.0
27.5°	149.6	102.4	55.1	23.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	157.5	102.4	47.2	15.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	157.5	94.5	31.5	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	157.5	86.6	23.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	157.5	78.7	23.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	165.4	70.9	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	173.2	63.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	181.1	55.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	204.7	55.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	236.2	55.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	283.5	55.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	370.1	47.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	535.4	47.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	897.6	47.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1574.8	47.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2661.4	47.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3472.5	55.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2637.8	47.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1259.8	31.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	559.1	31.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	244.1	23.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	94.5	15.7	7.9	7.9	7.9	7.9	0.0	0.0	0.0	0.0	0.0
82.5°	39.4	15.7	7.9	7.9	7.9	7.9	7.9	0.0	0.0	0.0	0.0
85°	23.6	15.7	15.7	15.7	7.9	7.9	7.9	0.0	0.0	0.0	0.0
87.5°	15.7	15.7	15.7	15.7	15.7	7.9	7.9	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

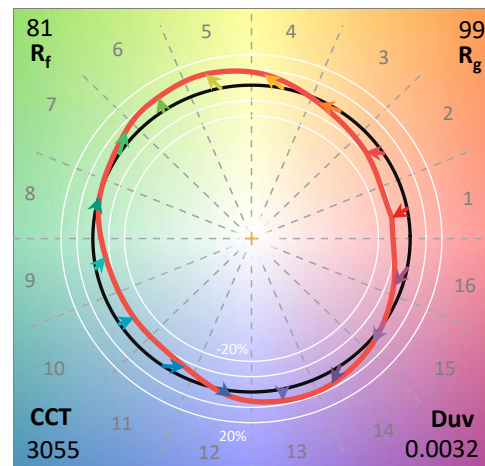
Test Information

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

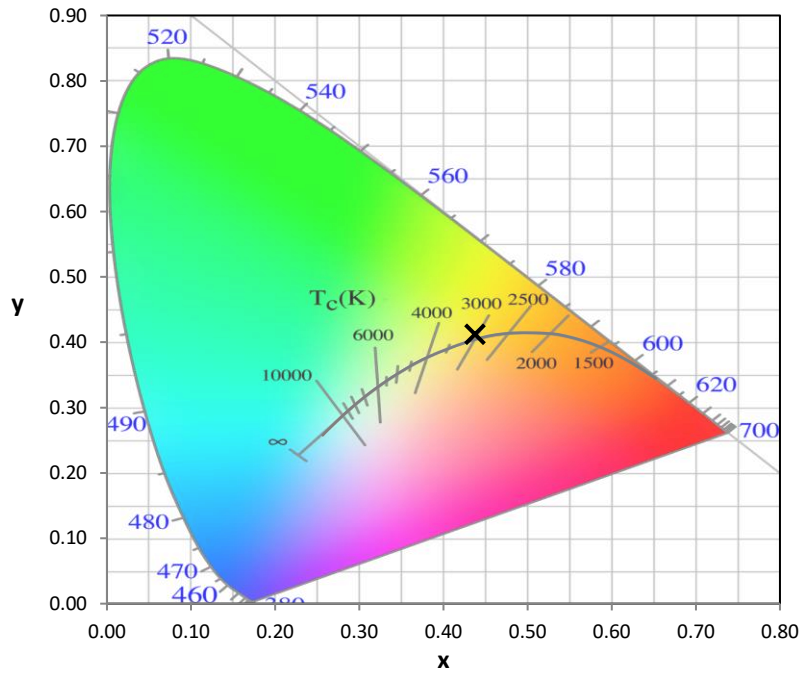
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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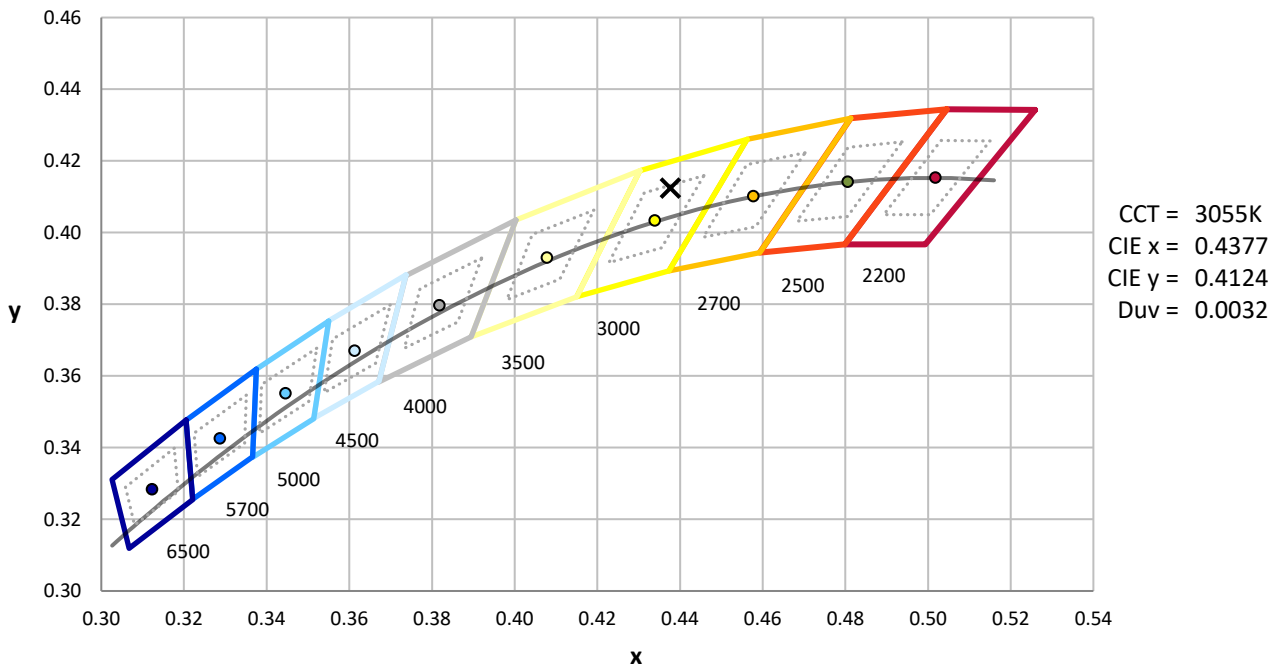
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



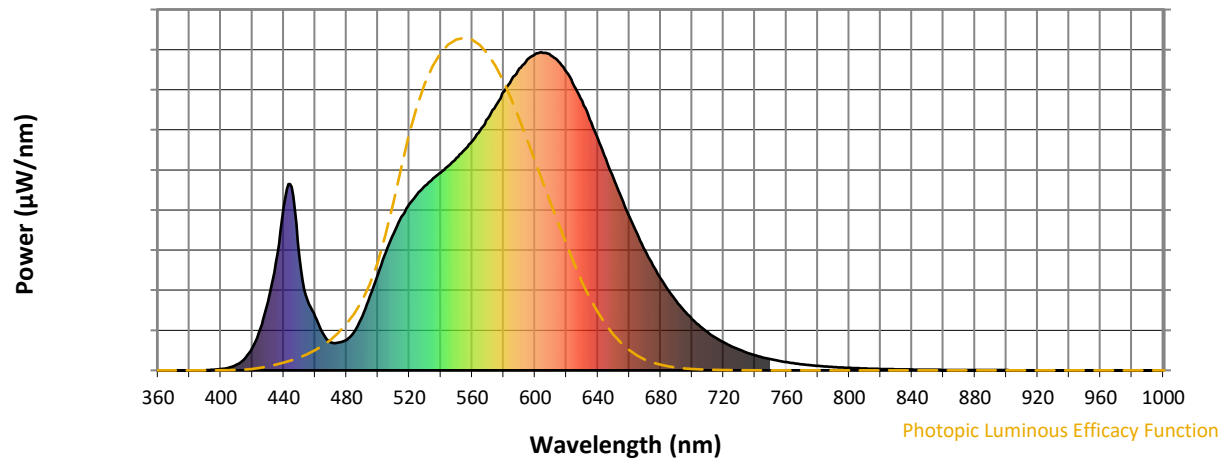
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

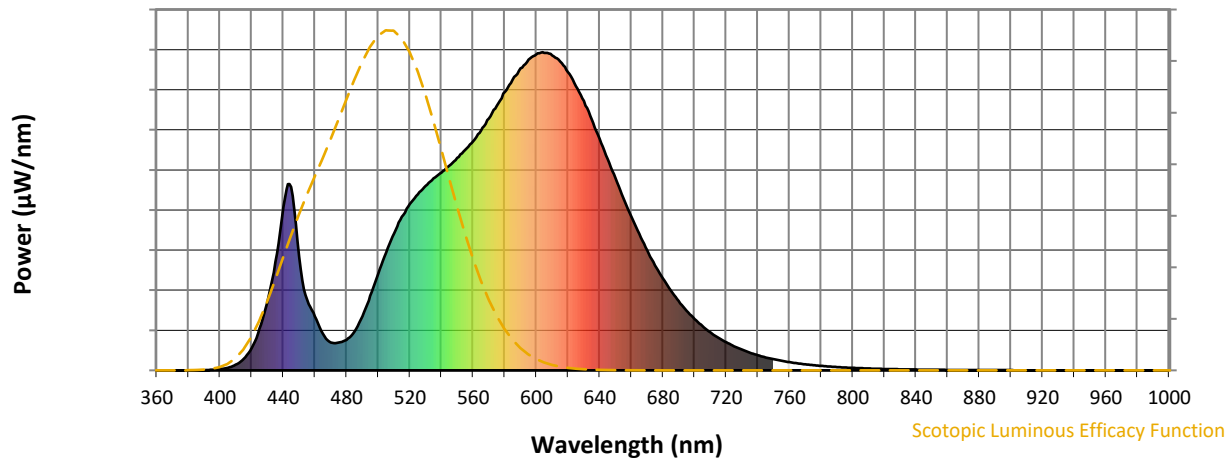


Photopic Lumens: NR

λ (nm)	Power W/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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Scotopic Flux vs. Wavelength



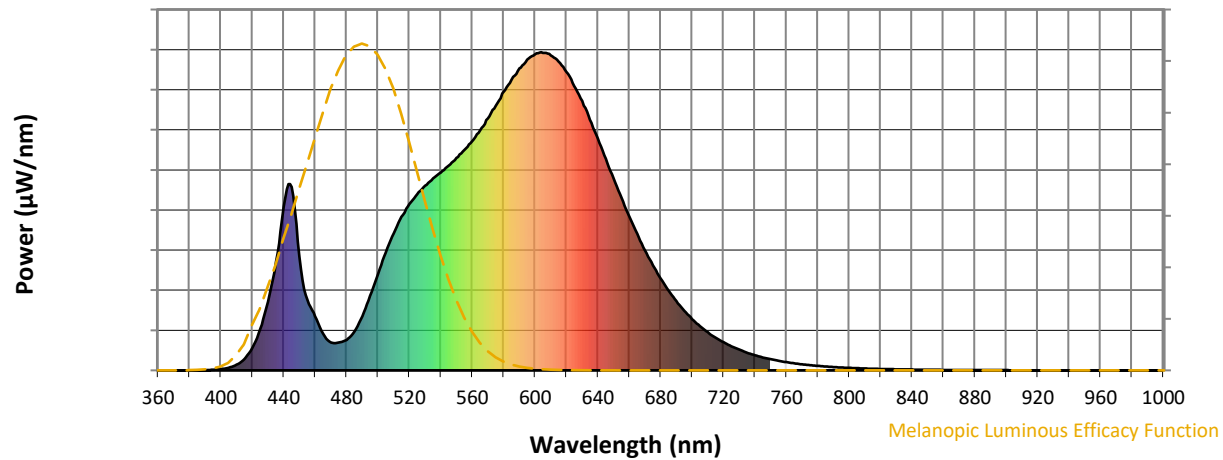
Scotopic Lumens: NR

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

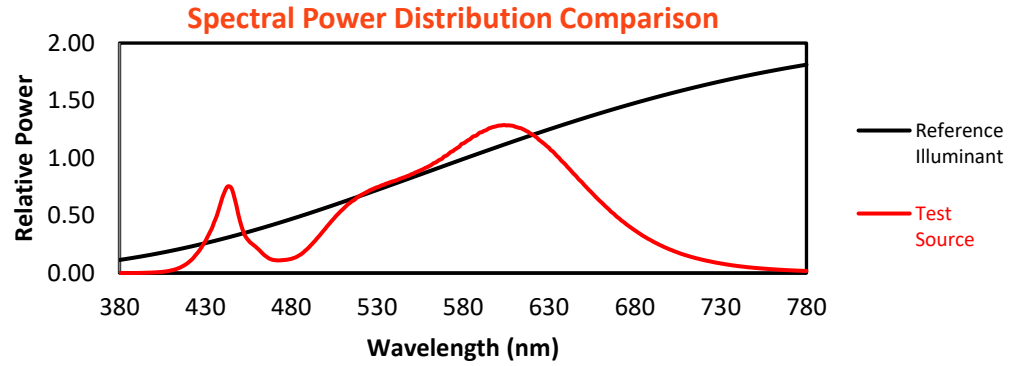
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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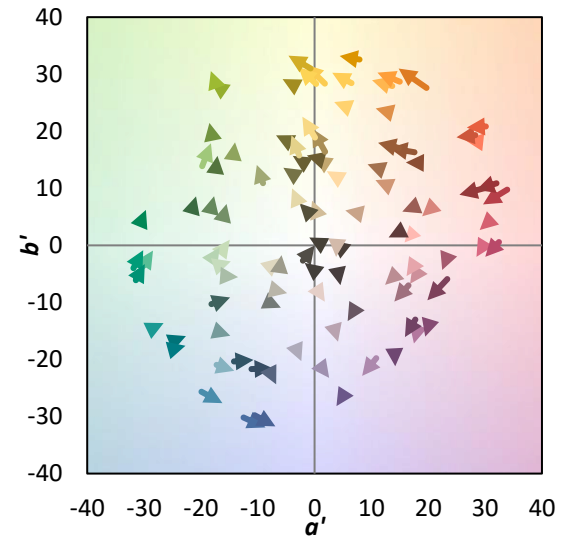
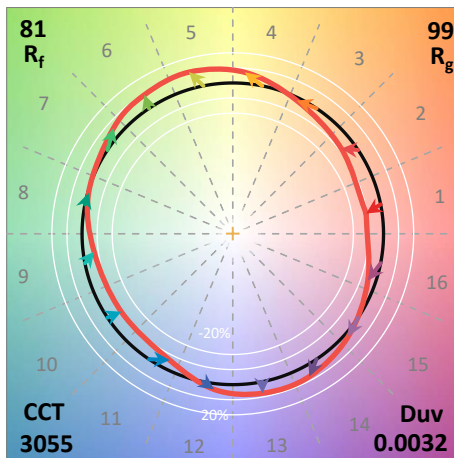
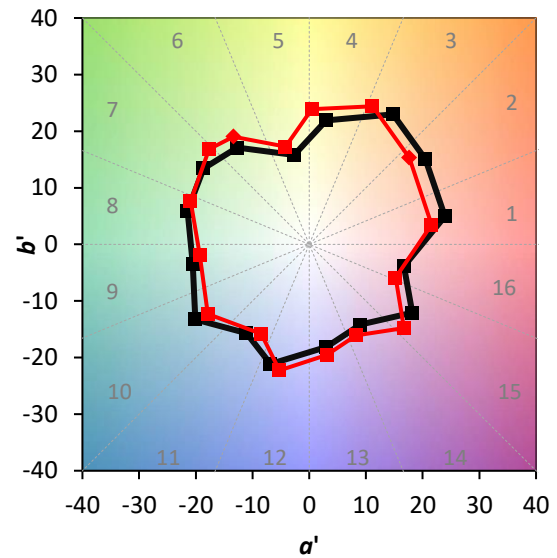
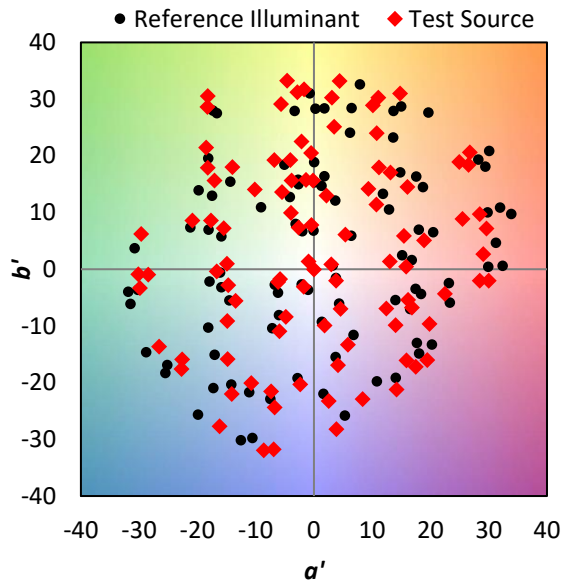
TM-30-18

Summary

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

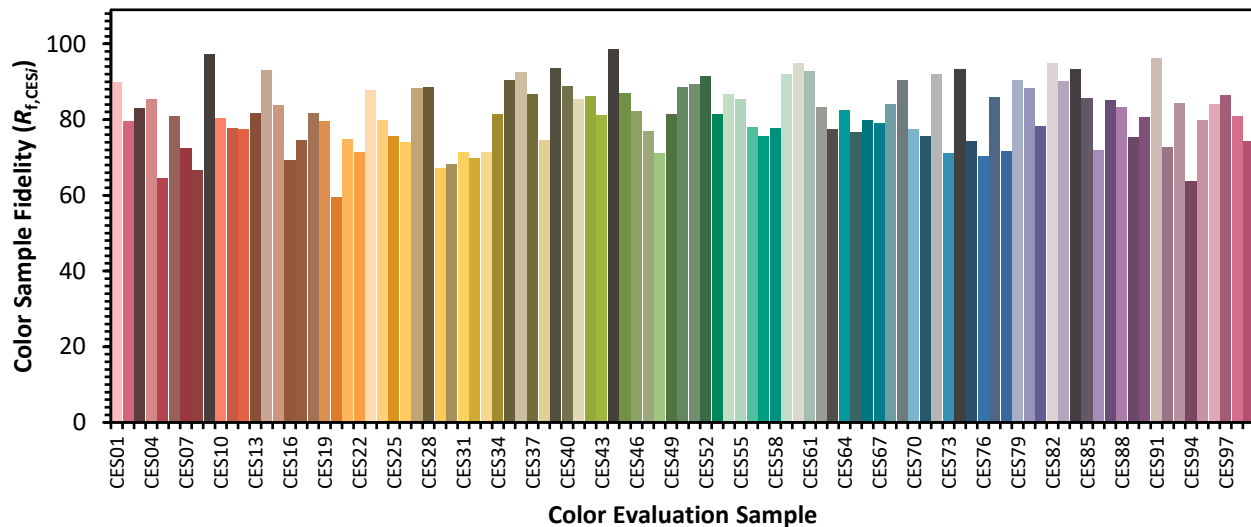


Color Vector Graphics

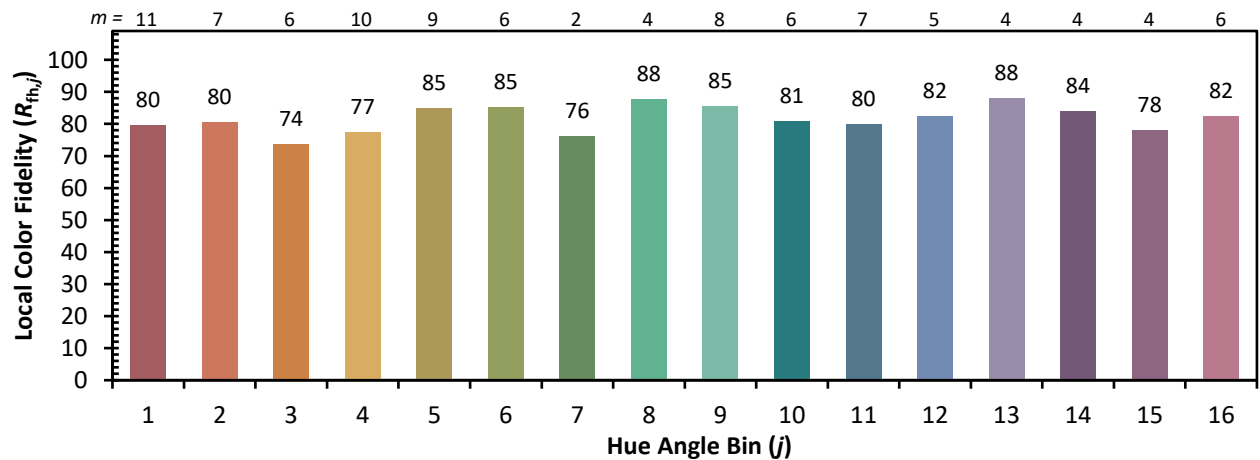
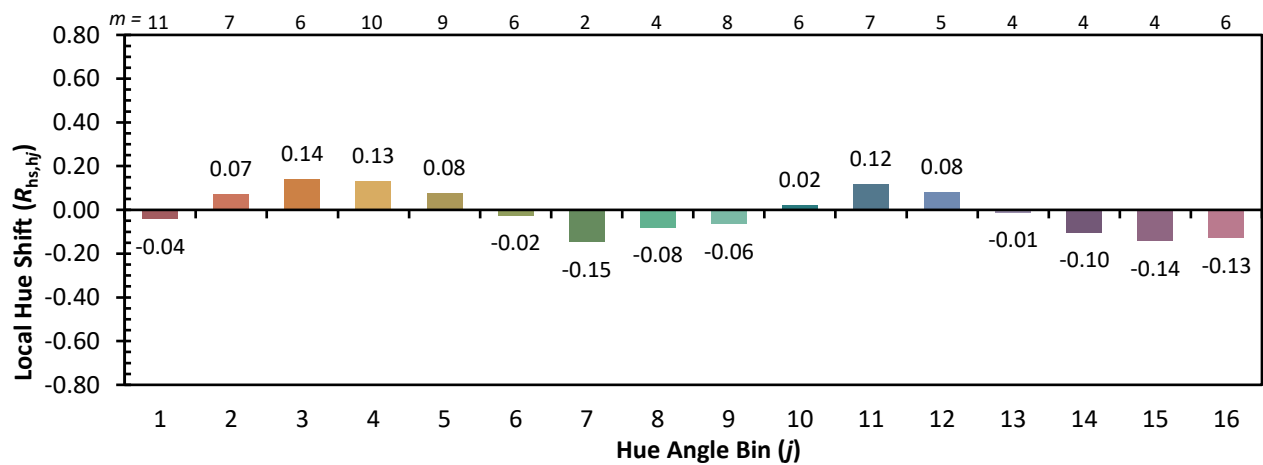
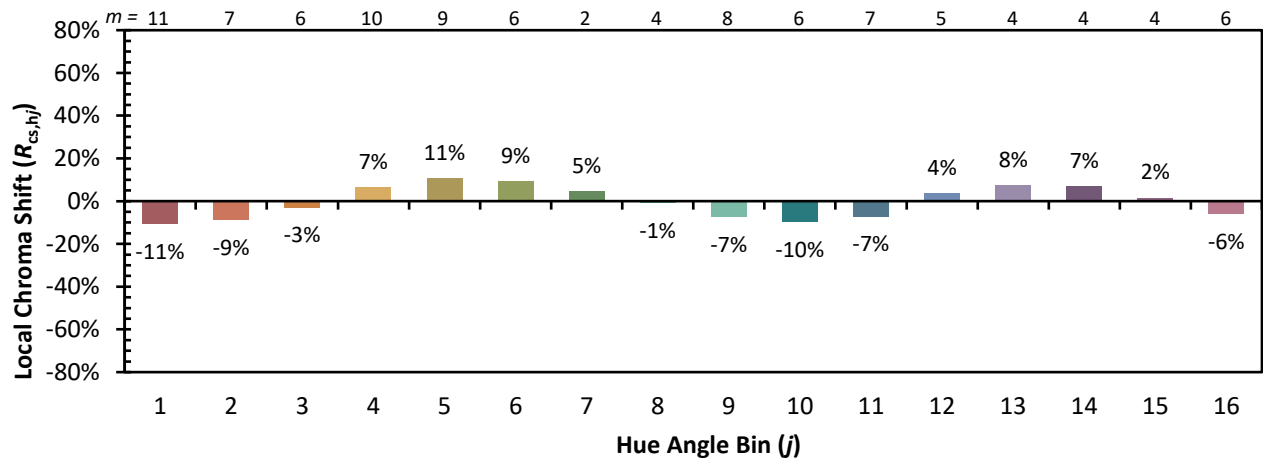


Individual Sample Fidelity Index ($R_{f,i}$)

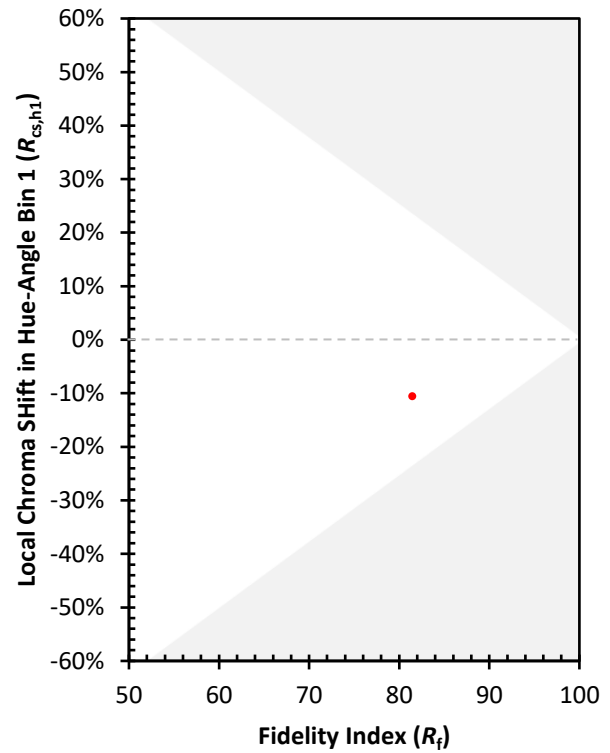
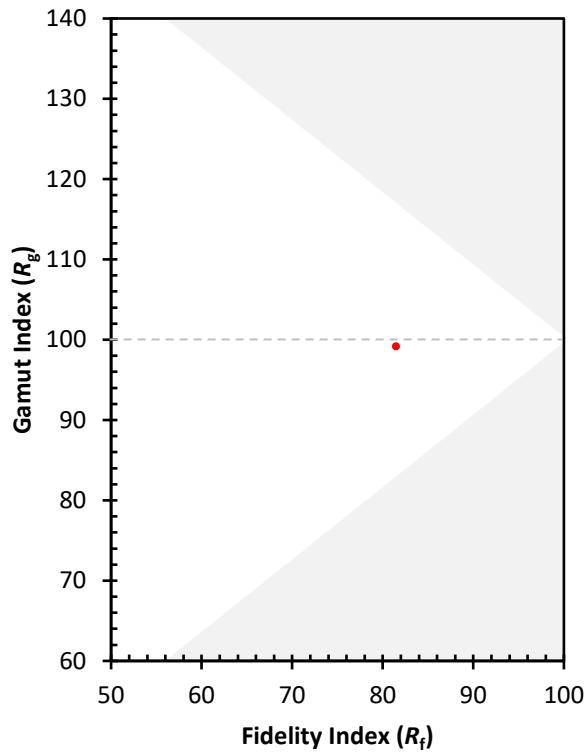
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)