

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: P1066385

Luminaire Tested: **NVN-SA2A-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066385
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA2A-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717.3 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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

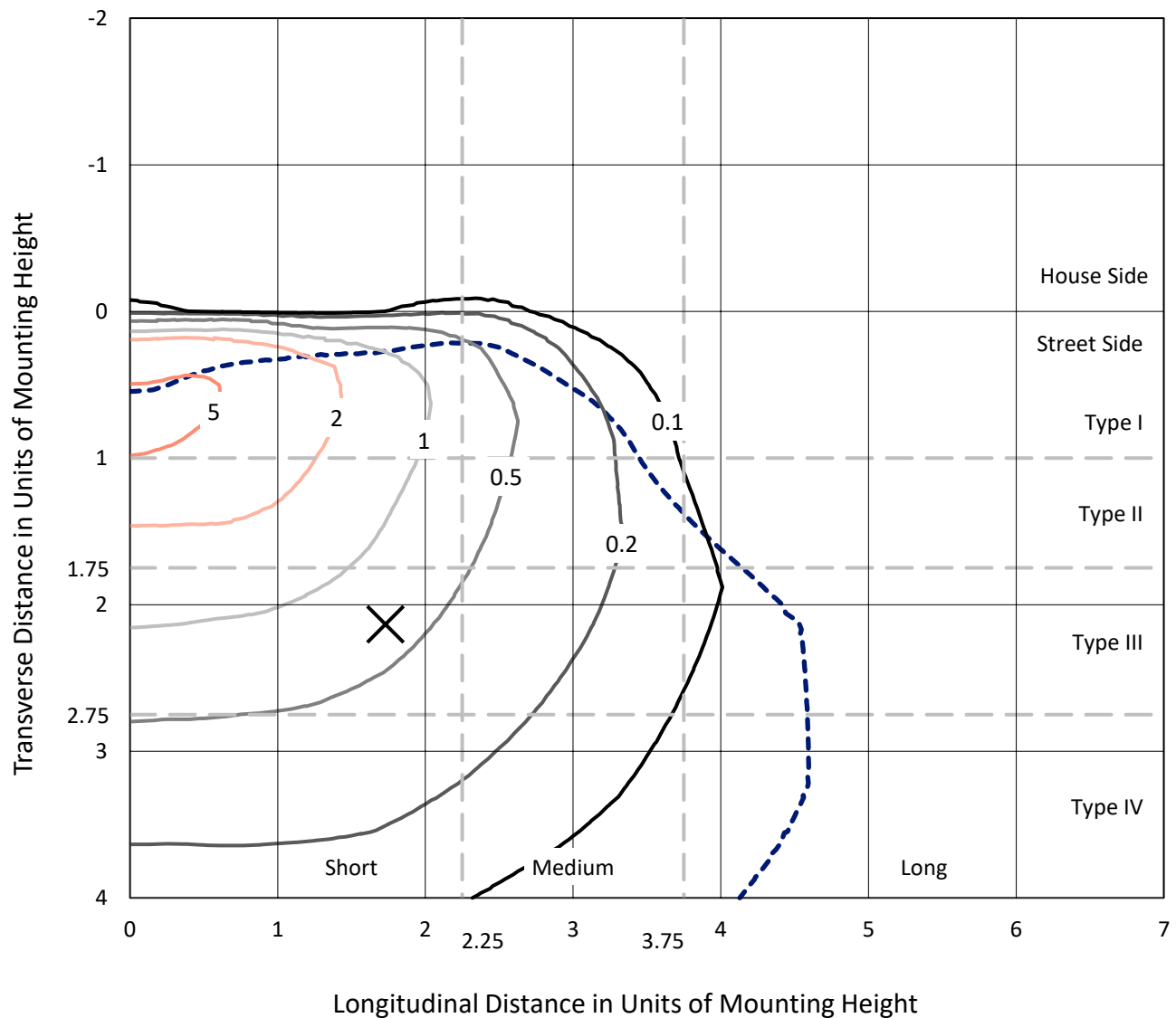


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CATALOG NUMBER: NVN-SA2A-830-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

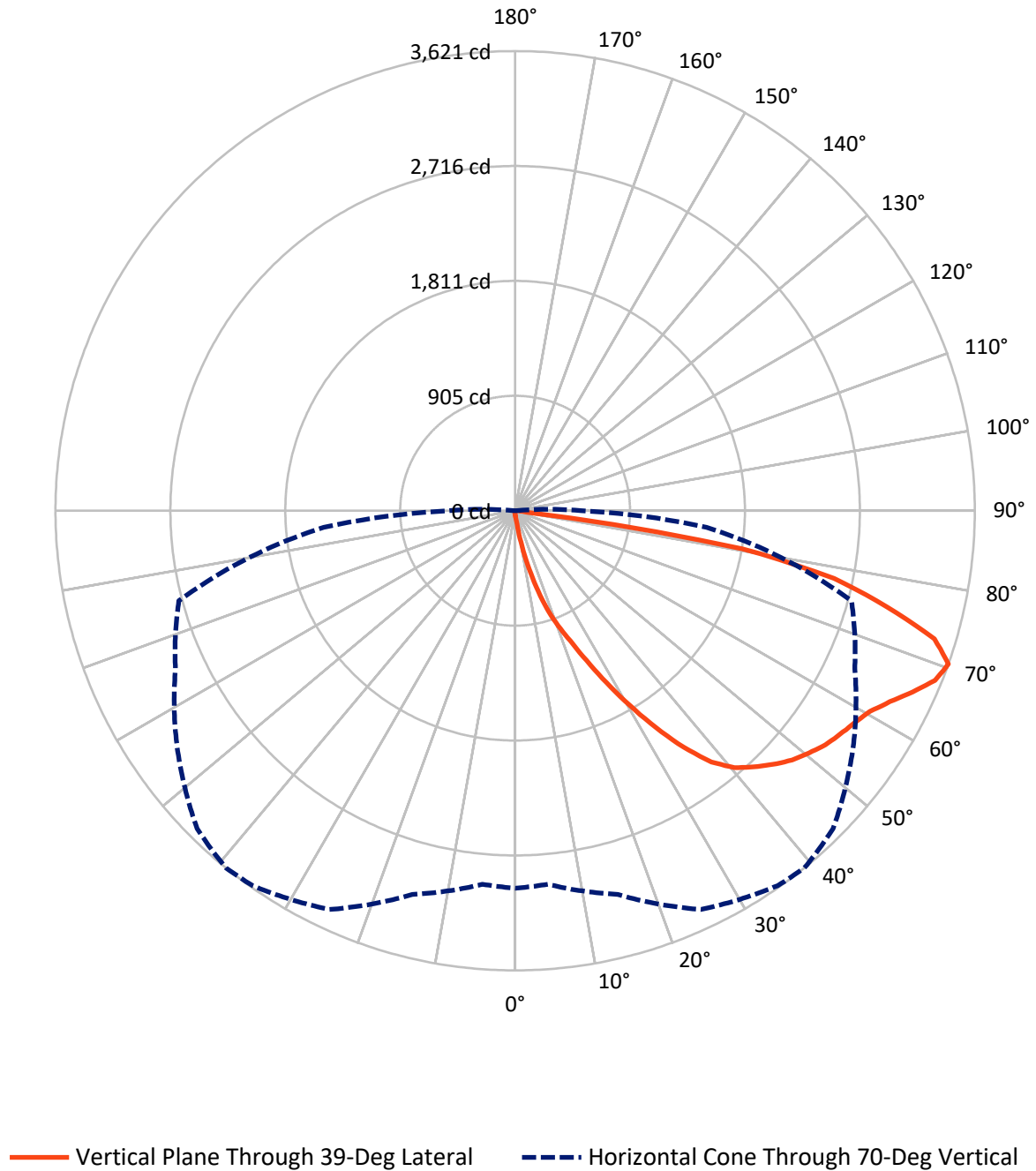


Based on 15 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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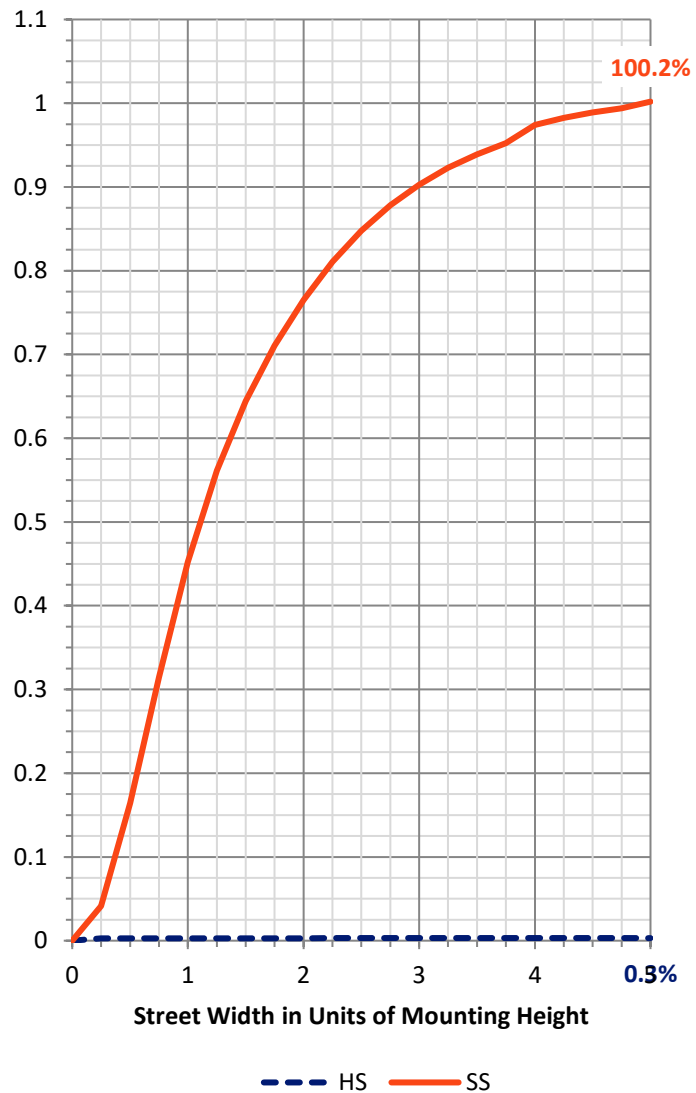
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.6	0.0	17.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	5699.7	0.0	5699.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	5717.3	0.0	5717.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	70.3	1.2
20°-30°	238.5	4.2
30°-40°	560.6	9.8
40°-50°	910.2	15.9
50°-60°	1153.5	20.2
60°-70°	1465.2	25.6
70°-80°	1190.5	20.8
80°-90°	122.6	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°	5717.3	100.0
0°-180°	5717.3	100.0



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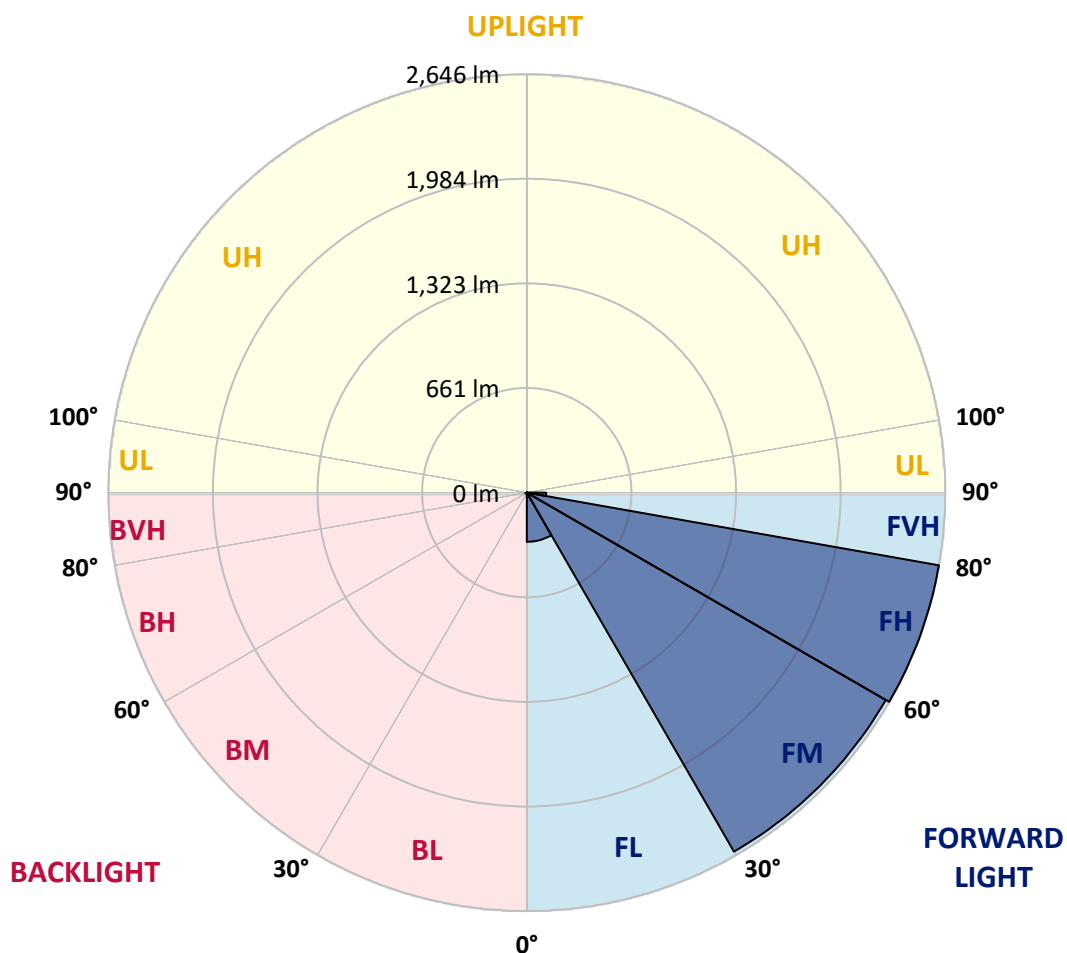
CATALOG NUMBER: NVN-SA2A-830-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.0	5.4			
FM	(30°-60°)	2620.9	45.8			
FH	(60°-80°)	2646.0	46.3			G2/5000
FVH	(80°-90°)	121.8	2.1			G2/225
BL	(0°-30°)	3.8	0.1	B0/110		
BM	(30°-60°)	3.4	0.1	B0/220		
BH	(60°-80°)	9.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G2

Type IV Short





REPORT NUMBER: P1066385

CATALOG NUMBER: NVN-SA2A-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	40.4	40.4	40.4	38.8	38.8	37.3	37.3	35.7	34.1	34.1	32.6
5°	76.1	77.6	73.0	63.6	57.4	54.3	51.2	43.5	38.8	35.7	32.6
7.5°	208.0	201.8	192.5	161.4	124.2	105.6	90.0	63.6	46.6	37.3	32.6
10°	437.7	420.7	394.3	352.4	279.4	249.9	194.0	116.4	65.2	41.9	32.6
12.5°	642.6	645.7	613.1	572.8	484.3	434.6	358.6	218.9	102.4	49.7	32.6
15°	797.8	794.7	782.3	749.7	670.6	622.4	554.1	367.9	172.3	62.1	34.1
17.5°	920.5	908.1	903.4	889.4	838.2	811.8	737.3	541.7	273.2	83.8	35.7
20°	1043.1	1040.0	1035.3	1019.8	985.7	967.0	909.6	717.1	406.7	119.5	38.8
22.5°	1221.6	1204.5	1207.6	1173.5	1145.5	1113.0	1066.4	903.4	560.4	170.7	43.5
25°	1431.2	1429.6	1404.8	1389.2	1342.7	1307.0	1244.9	1083.5	731.1	246.8	48.1
27.5°	1678.0	1660.9	1650.0	1623.6	1575.5	1535.2	1449.8	1262.0	915.8	332.2	54.3
30°	1935.6	1935.6	1915.5	1875.1	1828.5	1778.9	1691.9	1449.8	1099.0	440.8	62.1
32.5°	2236.8	2243.0	2193.3	2132.8	2072.2	2038.1	1924.8	1662.4	1274.4	565.0	71.4
35°	2528.6	2520.8	2438.6	2371.8	2326.8	2289.5	2193.3	1895.3	1473.1	709.4	83.8
37.5°	2808.0	2787.8	2651.2	2556.5	2536.3	2511.5	2415.3	2128.1	1670.2	869.2	99.3
40°	3008.2	2977.2	2835.9	2705.5	2676.0	2662.1	2587.6	2339.2	1878.2	1047.8	119.5
42.5°	3095.2	3059.4	2961.7	2856.1	2790.9	2758.3	2693.1	2511.5	2086.2	1246.4	149.0
45°	3112.2	3084.3	3014.4	2989.6	2901.1	2851.5	2763.0	2634.1	2280.2	1443.6	189.4
47.5°	3050.1	3037.7	2995.8	3048.6	3003.6	2935.3	2828.2	2725.7	2452.5	1682.6	245.3
50°	2898.0	2888.7	2908.9	3047.0	3078.1	3000.5	2899.6	2797.1	2601.5	1929.4	324.4
52.5°	2693.1	2691.6	2786.3	3006.7	3110.7	3062.6	2969.4	2868.5	2719.5	2168.5	436.2
55°	2469.6	2496.0	2662.1	2969.4	3129.3	3107.6	3037.7	2932.2	2825.1	2390.4	616.2
57.5°	2451.0	2440.1	2600.0	2953.9	3140.2	3152.6	3106.0	2998.9	2915.1	2572.0	856.8
60°	2637.2	2612.4	2672.9	2986.5	3188.3	3210.0	3174.3	3050.1	3005.1	2714.9	1173.5
62.5°	2853.0	2829.7	2860.8	3112.2	3283.0	3314.0	3269.0	3102.9	3078.1	2814.2	1513.4
65°	3025.3	3006.7	3065.7	3300.0	3414.9	3441.3	3410.3	3200.7	3110.7	2894.9	1789.7
67.5°	3053.2	3030.0	3152.6	3425.8	3548.4	3567.0	3542.2	3295.4	3099.8	2901.1	1853.4
70°	2974.1	2953.9	3129.3	3466.1	3605.8	3621.4	3542.2	3250.4	2952.3	2742.8	1515.0
72.5°	2730.4	2745.9	2972.5	3368.3	3526.7	3455.3	3287.6	3023.7	2761.4	2325.2	1063.3
75°	2351.6	2368.7	2669.8	3099.8	3112.2	3025.3	2935.3	2781.6	2471.2	1532.1	737.3
77.5°	1671.8	1611.2	2061.4	2559.6	2514.6	2570.5	2578.3	2314.4	2069.1	797.8	493.6
80°	164.5	139.7	259.2	734.2	1622.1	1813.0	1887.5	1783.5	1525.8	357.0	259.2
82.5°	35.7	35.7	38.8	41.9	65.2	97.8	448.6	1099.0	985.7	181.6	83.8
85°	20.2	20.2	24.8	29.5	38.8	43.5	51.2	68.3	265.4	65.2	15.5
87.5°	15.5	17.1	20.2	24.8	32.6	35.7	43.5	54.3	66.7	60.5	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1066385

CATALOG NUMBER: NVN-SA2A-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	32.6	31.0	29.5	27.9	26.4	26.4	24.8	24.8	24.8	24.8	24.8
5°	31.0	29.5	27.9	24.8	23.3	21.7	20.2	20.2	20.2	20.2	20.2
7.5°	31.0	29.5	26.4	23.3	20.2	18.6	17.1	15.5	15.5	17.1	17.1
10°	31.0	27.9	23.3	20.2	17.1	15.5	14.0	12.4	12.4	12.4	12.4
12.5°	29.5	26.4	21.7	18.6	15.5	12.4	9.3	7.8	7.8	7.8	7.8
15°	27.9	24.8	20.2	15.5	10.9	7.8	6.2	4.7	4.7	4.7	4.7
17.5°	27.9	23.3	18.6	14.0	7.8	4.7	3.1	1.6	1.6	1.6	3.1
20°	27.9	23.3	17.1	10.9	4.7	3.1	3.1	1.6	0.0	1.6	1.6
22.5°	27.9	21.7	14.0	7.8	4.7	3.1	1.6	0.0	0.0	0.0	0.0
25°	29.5	21.7	12.4	6.2	3.1	1.6	0.0	0.0	0.0	0.0	0.0
27.5°	29.5	20.2	10.9	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	31.0	20.2	9.3	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	31.0	18.6	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	31.0	17.1	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	31.0	15.5	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	32.6	14.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	34.1	12.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	35.7	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	40.4	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	46.6	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	55.9	10.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	73.0	9.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	105.6	9.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	177.0	9.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	310.4	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	524.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	684.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	520.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	248.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	110.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	48.1	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.6	3.1	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	7.8	3.1	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	4.7	3.1	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	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

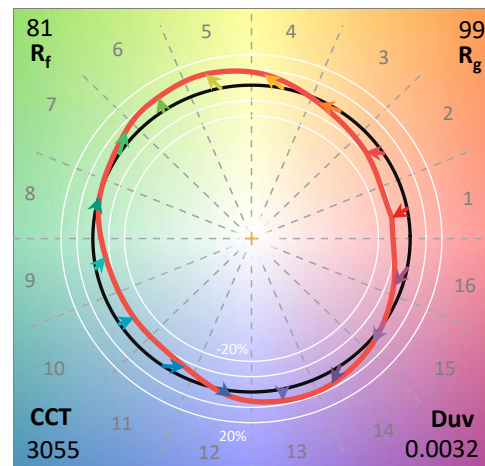
Test Information

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

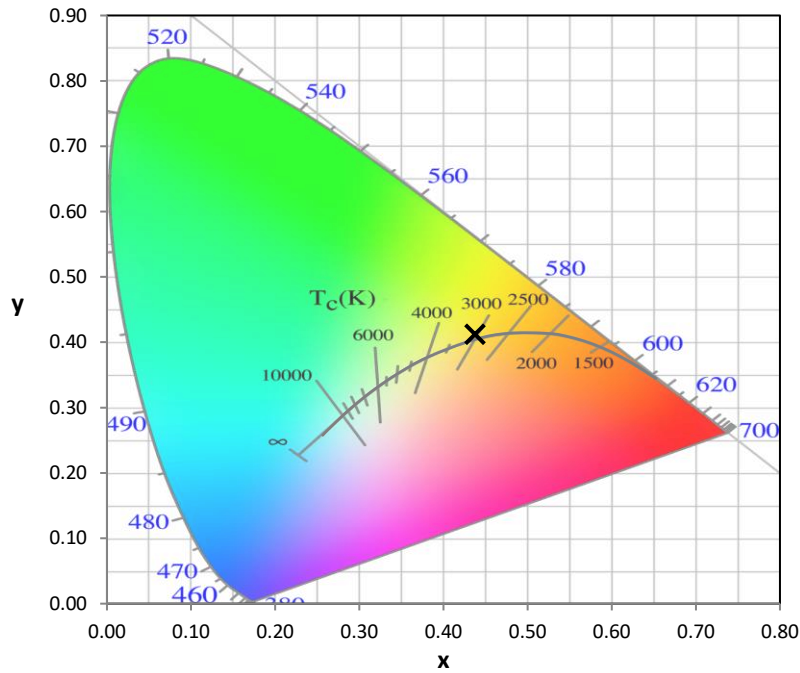
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

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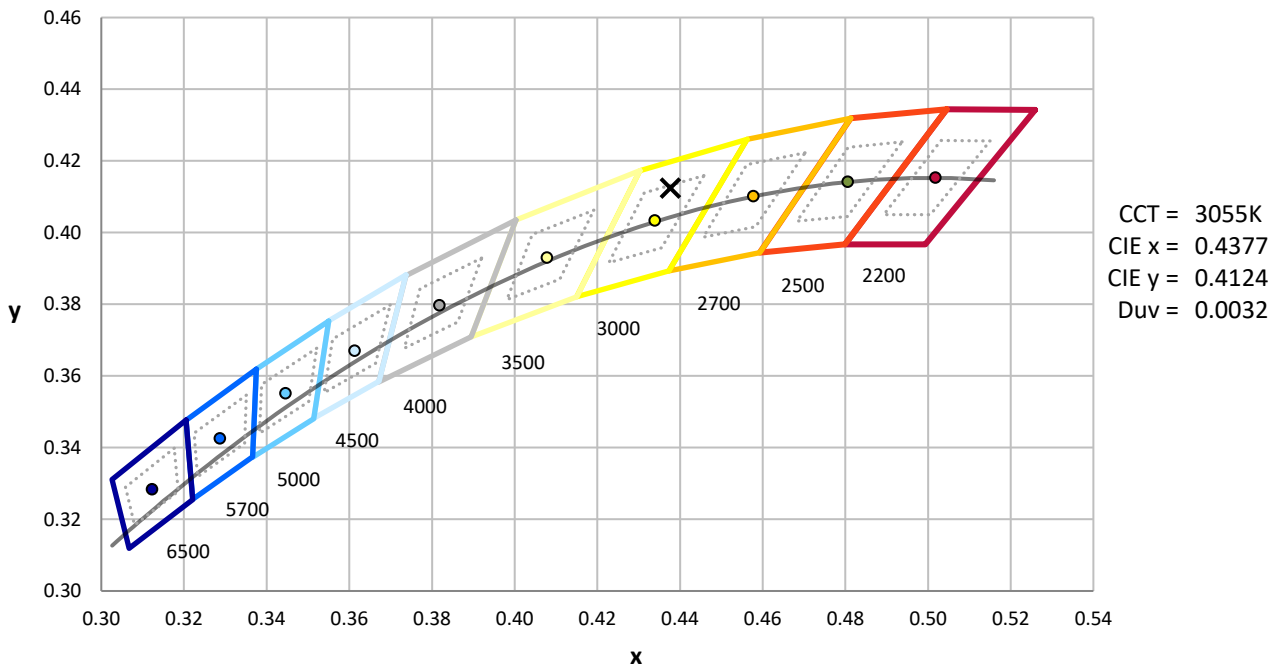
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



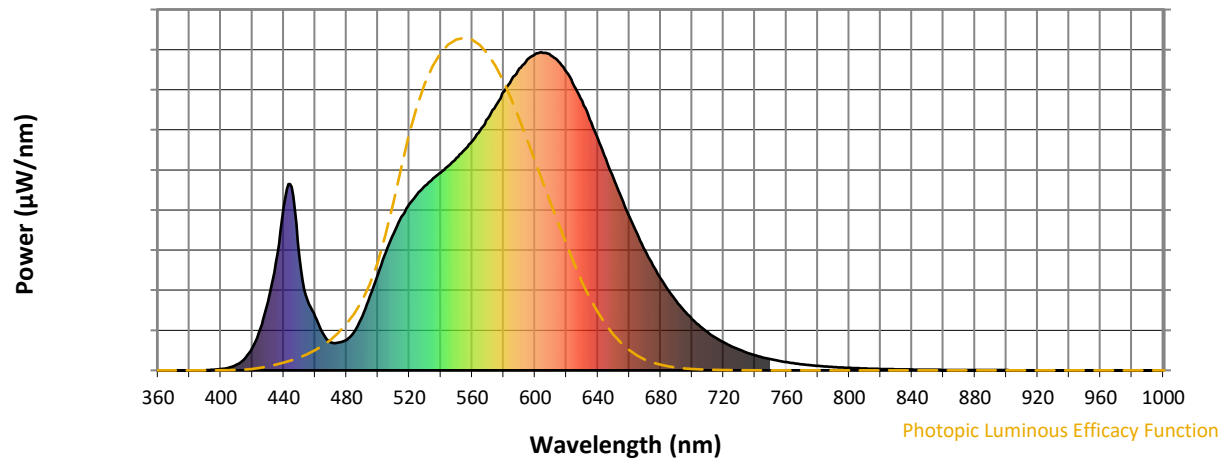
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

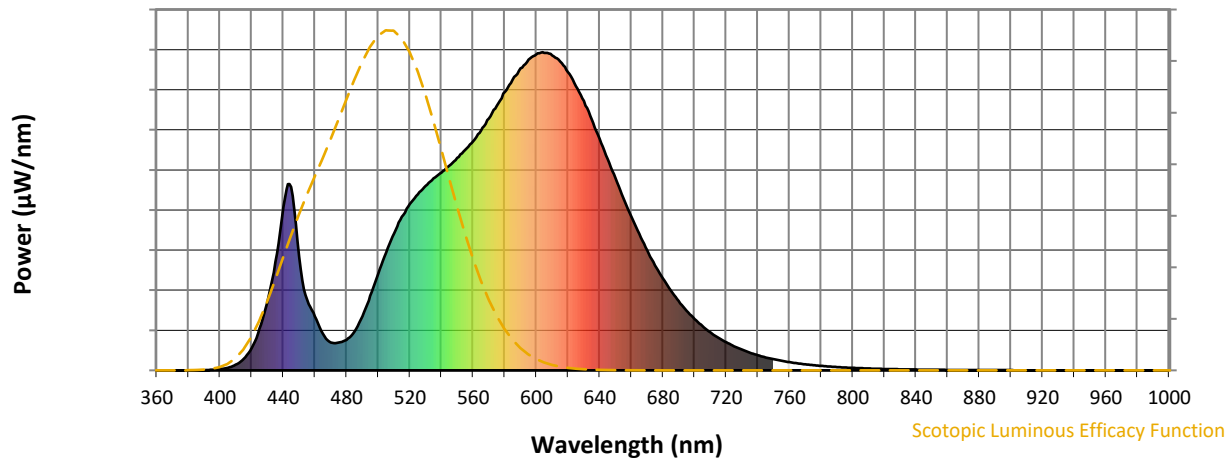


Photopic Lumens: NR

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



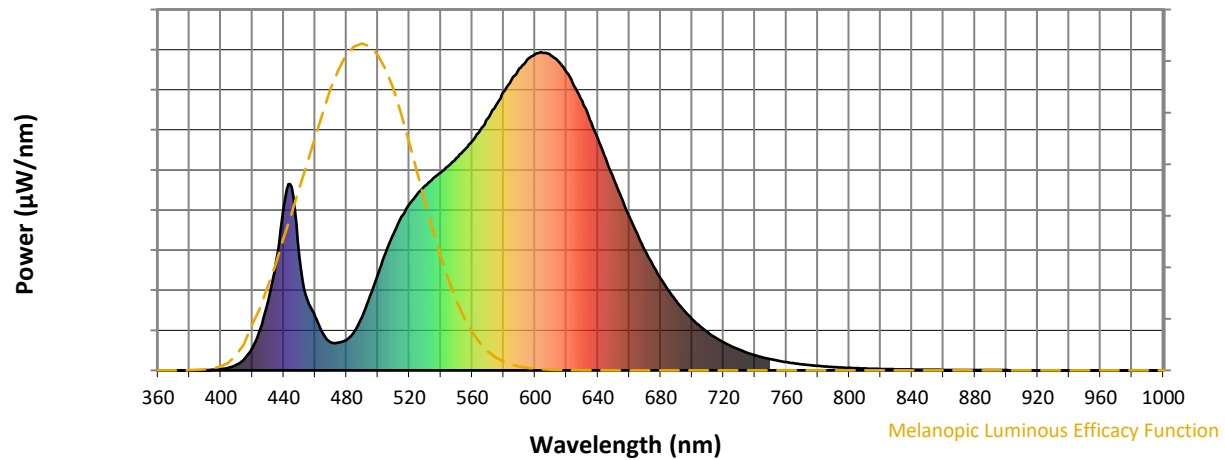
Scotopic Lumens: NR

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

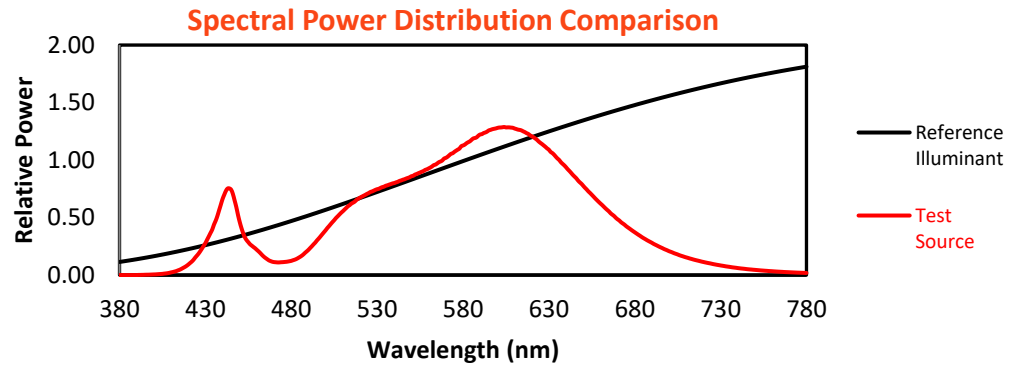
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170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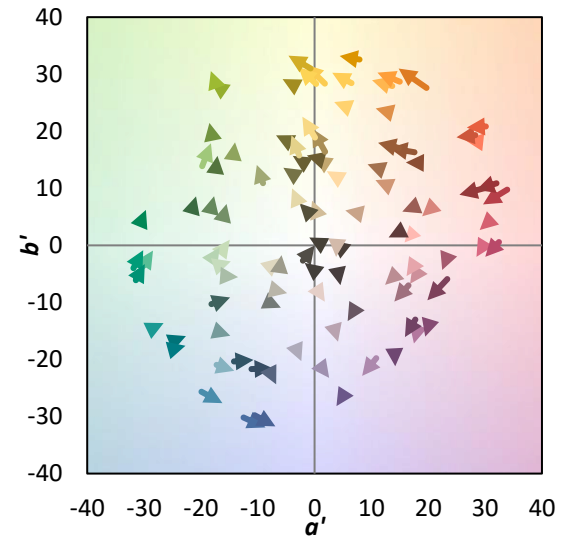
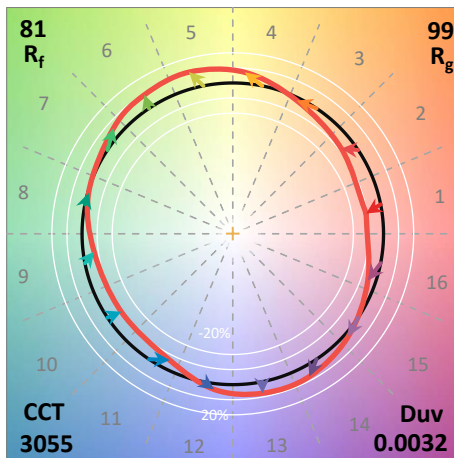
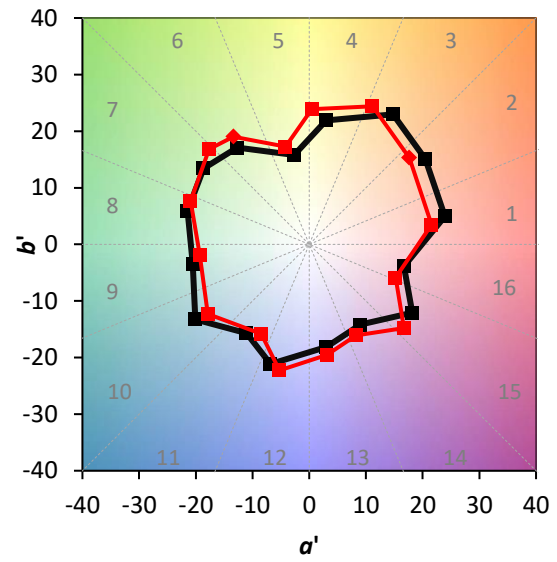
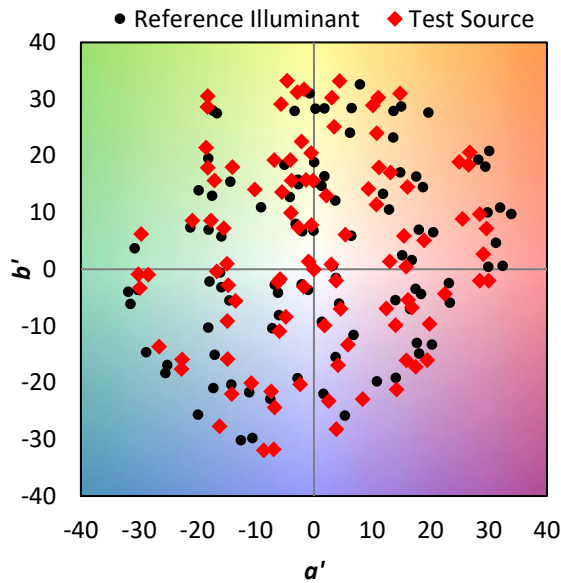
TM-30-18

Summary

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

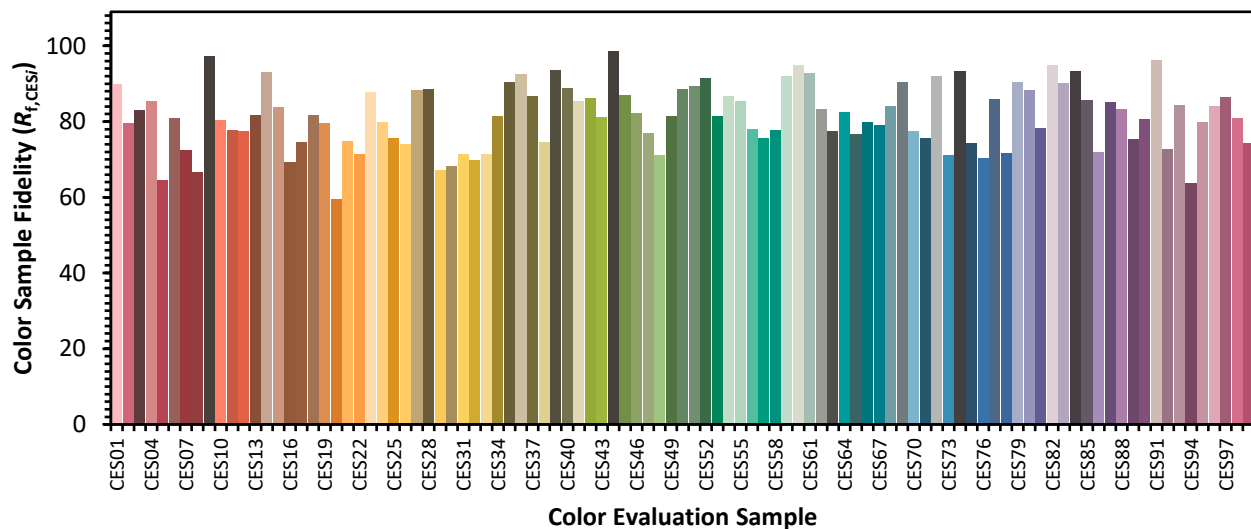


Color Vector Graphics

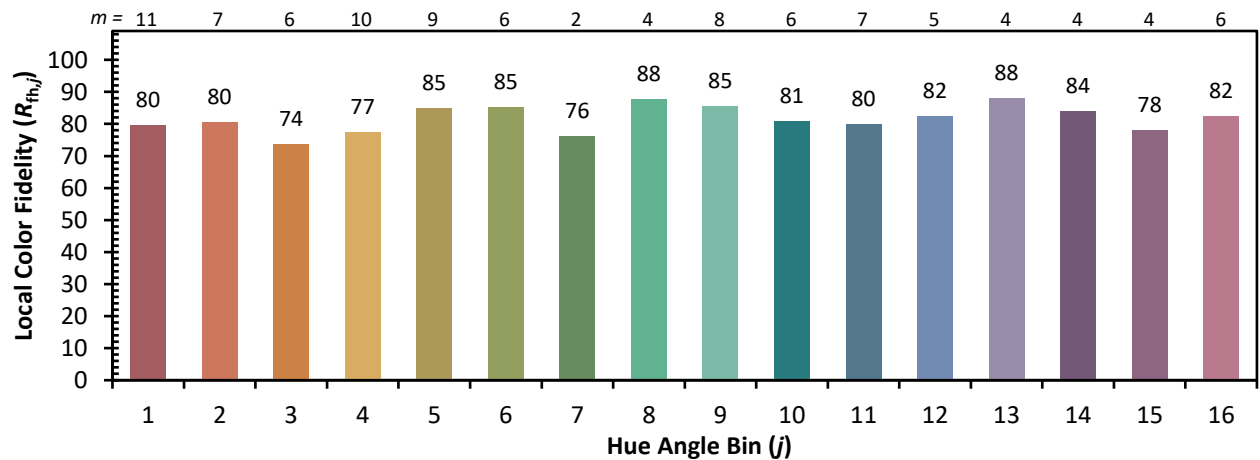
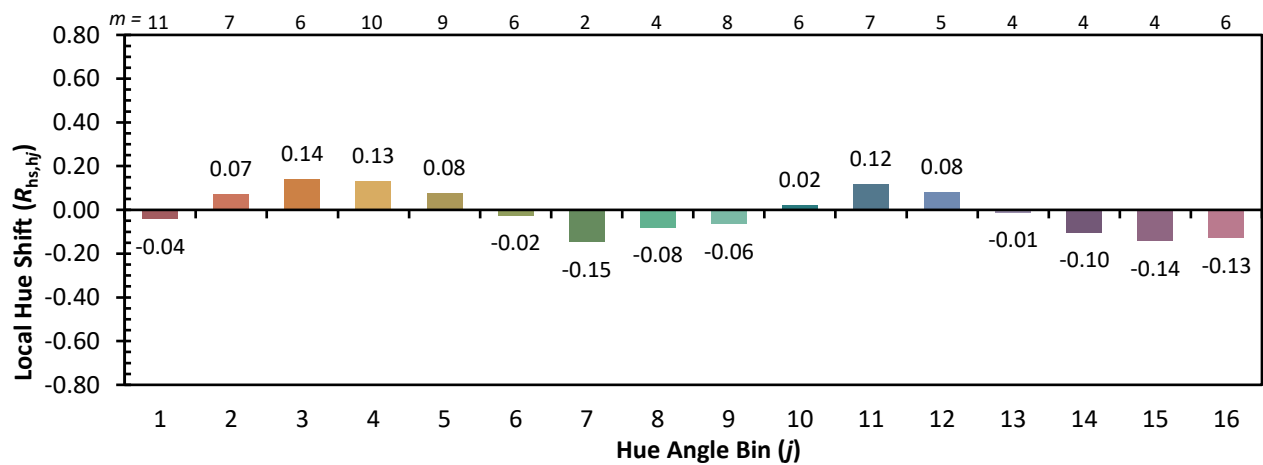
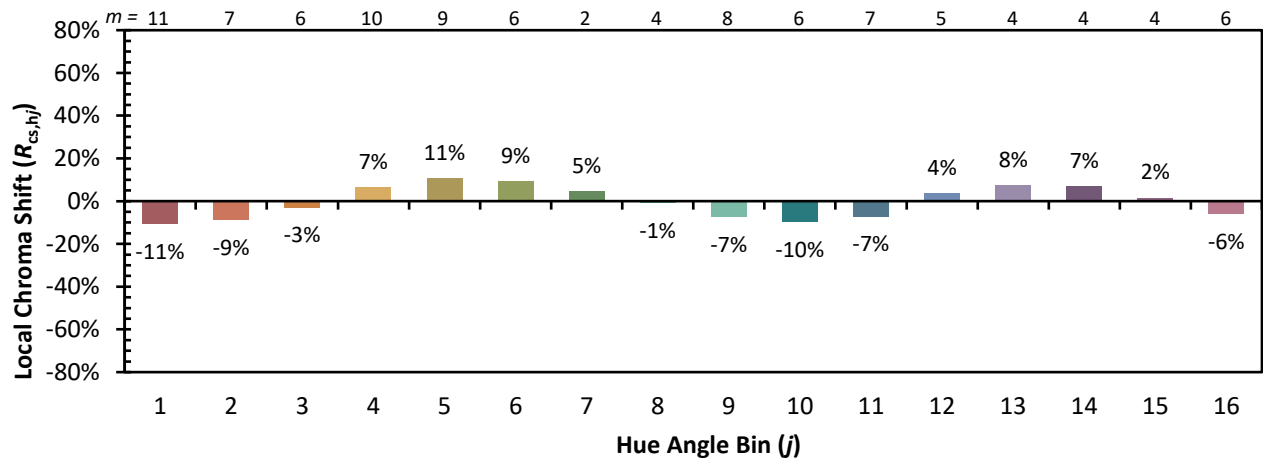


Individual Sample Fidelity Index ($R_{f,i}$)

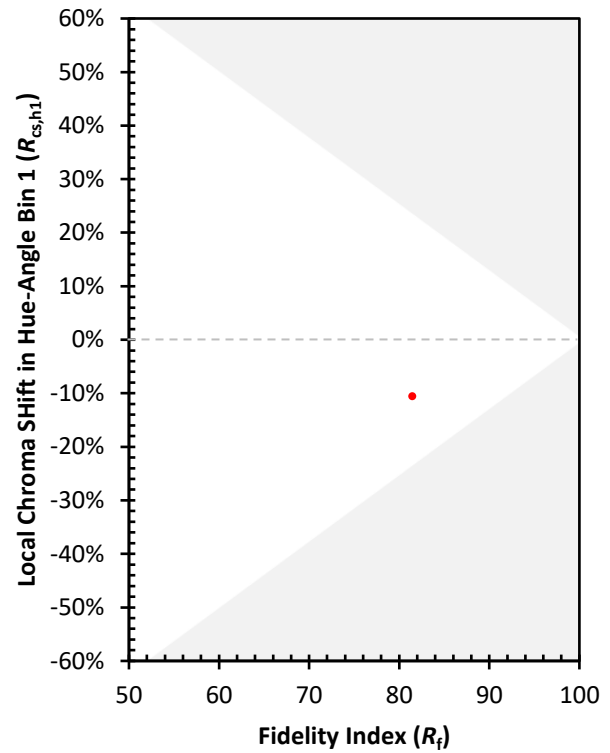
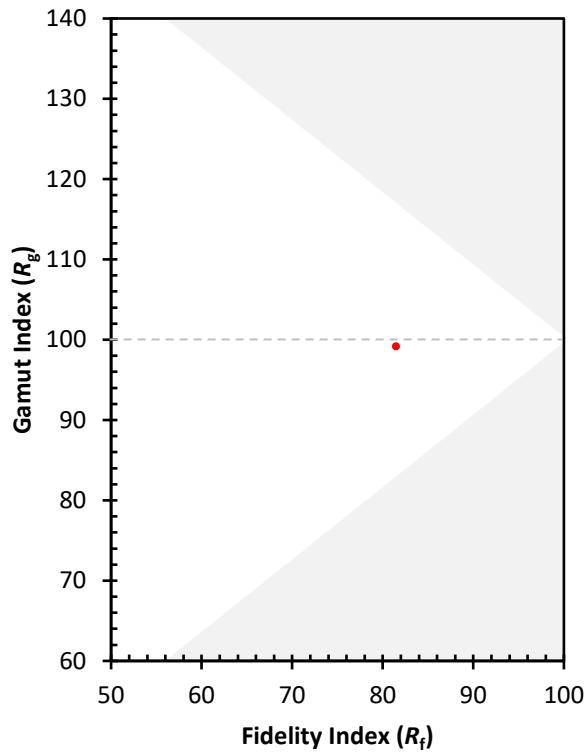
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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