

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: P1057644

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

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1057644
Test Lab: INNOVATION CENTER(G1)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-SA2A-830-U-T4BC
Description: GALLEON PEDESTRAIAN COMPANION 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: 5429.3 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

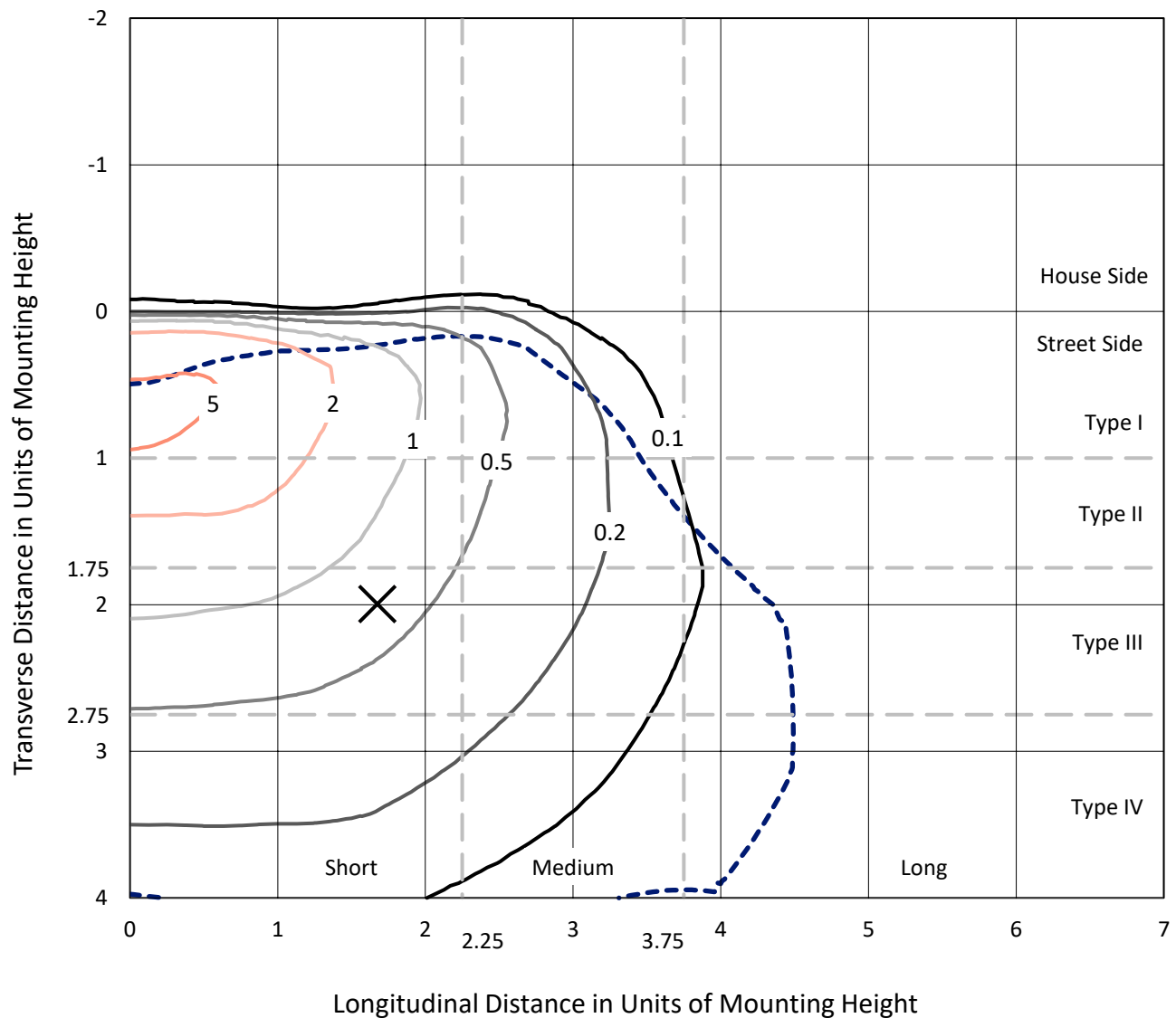


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

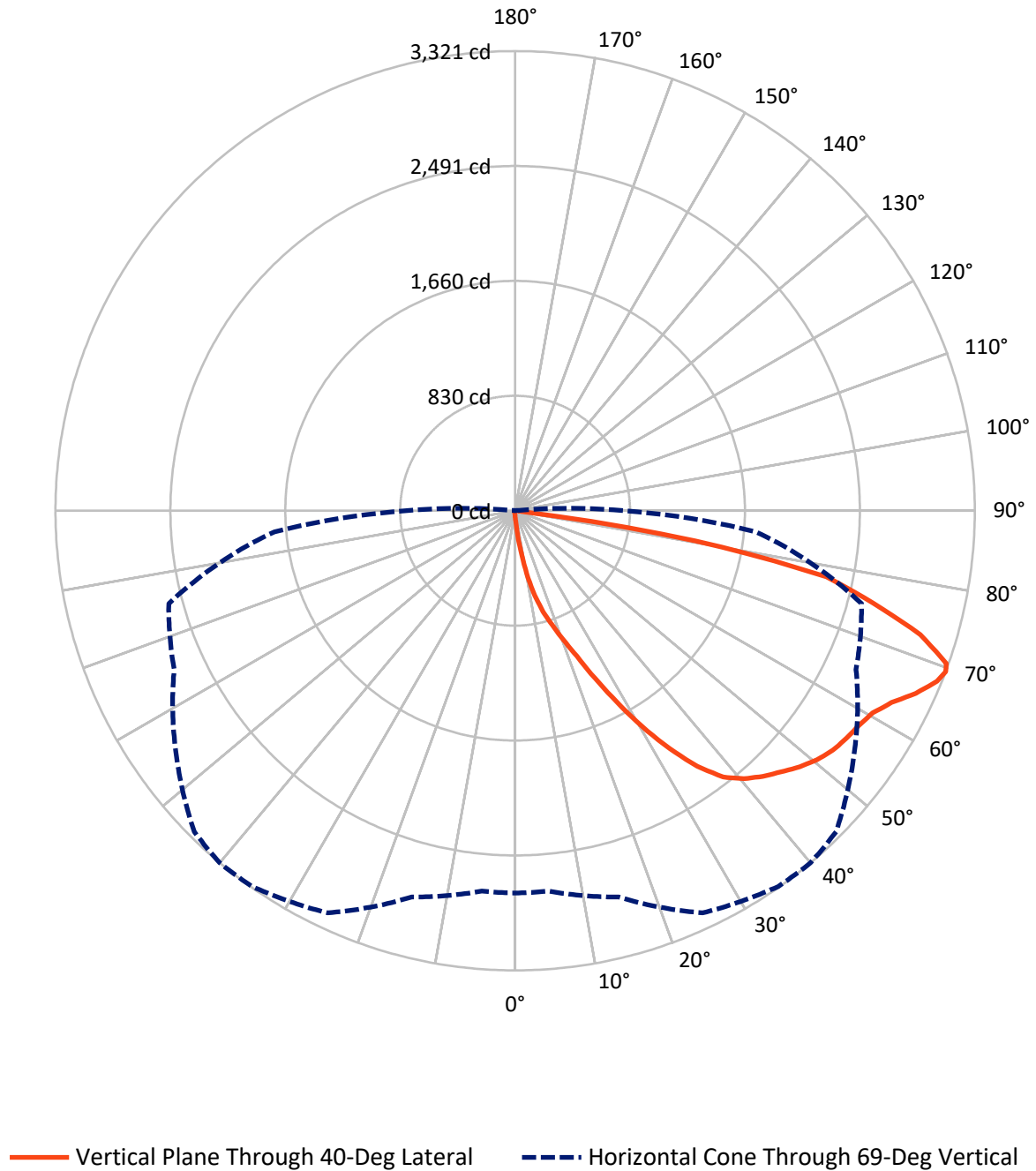


Based on 15 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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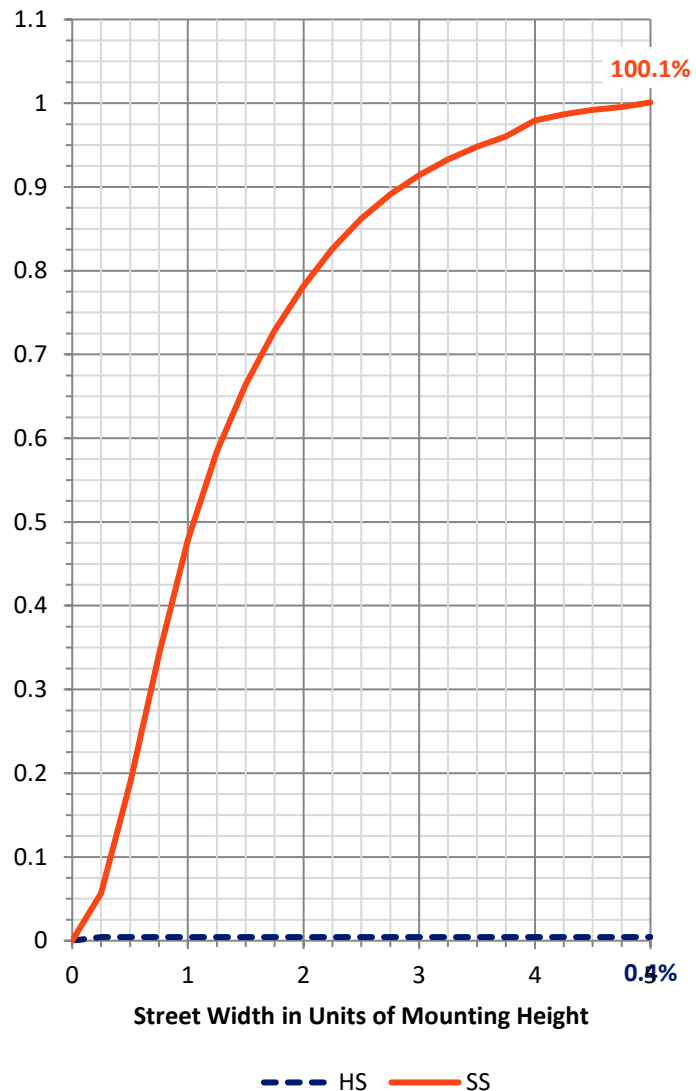
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.8	0.0	23.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5405.5	0.0	5405.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	5429.3	0.0	5429.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	86.7	1.6
20°-30°	261.1	4.8
30°-40°	575.0	10.6
40°-50°	883.6	16.3
50°-60°	1088.1	20.0
60°-70°	1373.7	25.3
70°-80°	1056.7	19.5
80°-90°	92.9	1.7
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°	5429.3	100.0
0°-180°	5429.3	100.0



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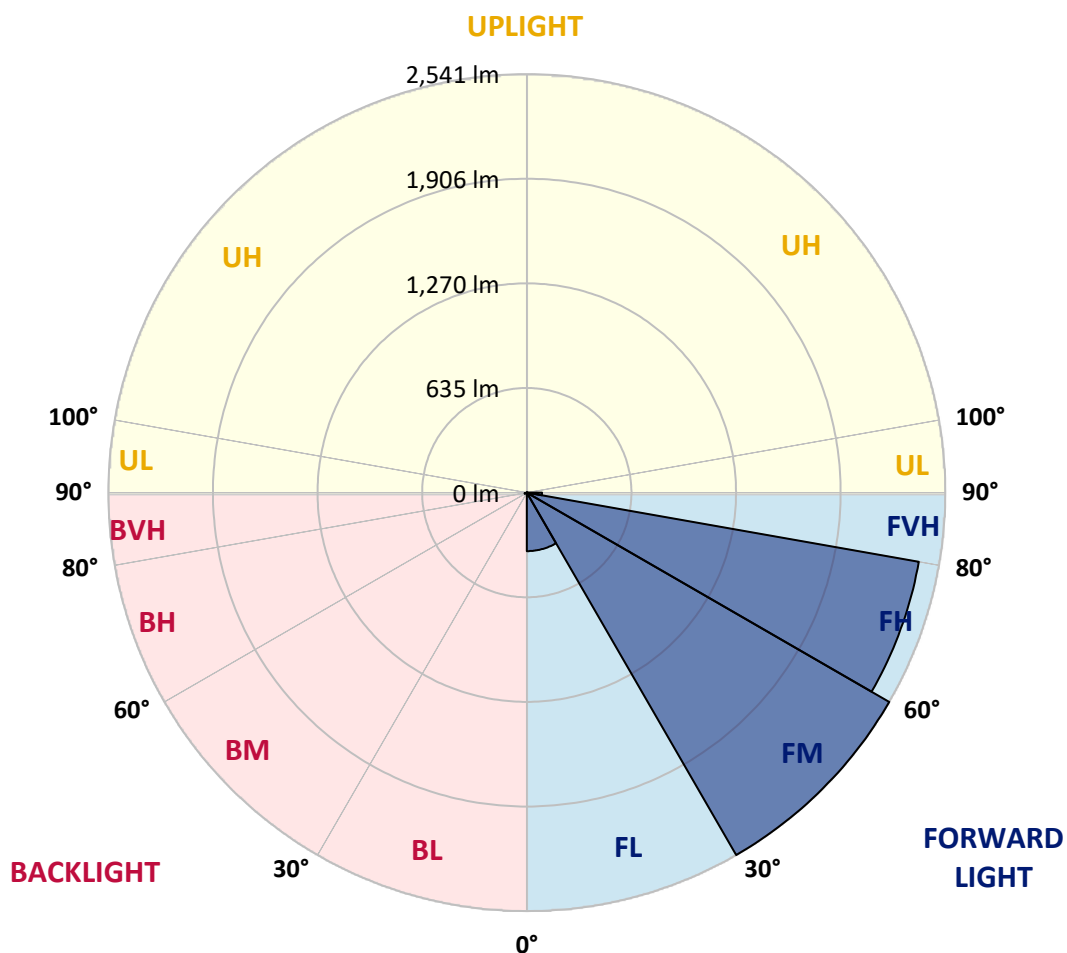
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.3	6.5			
FM	(30°-60°)	2540.9	46.8			
FH	(60°-80°)	2416.7	44.5			G2/5000
FVH	(80°-90°)	92.6	1.7			G1/100
BL	(0°-30°)	4.1	0.1	B0/110		
BM	(30°-60°)	5.8	0.1	B0/220		
BH	(60°-80°)	13.7	0.3	B0/110		G0/110
BVH	(80°-90°)	0.3	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	88.6	87.6	83.5	78.4	74.3	71.3	67.2	61.1	55.0	47.9	42.8
5°	232.2	231.2	214.9	194.5	167.0	148.7	130.4	100.8	76.4	59.1	44.8
7.5°	429.8	426.7	411.4	379.9	321.8	290.2	256.6	180.3	117.1	73.3	47.9
10°	625.3	623.2	603.9	558.1	494.9	463.4	418.6	307.5	184.3	95.7	51.9
12.5°	740.4	745.4	731.2	709.8	655.8	626.3	575.4	447.1	283.1	131.4	57.0
15°	835.1	837.1	823.9	810.6	781.1	756.7	713.9	595.7	401.2	179.2	63.1
17.5°	952.2	949.1	934.9	919.6	887.0	868.7	841.2	733.2	527.5	247.5	71.3
20°	1100.9	1092.7	1076.4	1049.9	1014.3	991.9	963.4	873.8	653.8	322.8	81.5
22.5°	1291.3	1281.1	1263.8	1239.4	1176.2	1141.6	1104.9	993.9	793.3	418.6	94.7
25°	1511.3	1506.2	1487.8	1453.2	1386.0	1340.2	1281.1	1134.5	931.8	520.4	111.0
27.5°	1769.9	1760.8	1736.3	1695.6	1623.3	1563.2	1489.9	1289.3	1064.2	628.3	131.4
30°	2059.2	2038.8	1988.9	1953.2	1868.7	1809.6	1724.1	1495.0	1200.7	741.4	152.8
32.5°	2328.0	2301.5	2229.2	2180.3	2101.9	2049.0	1970.6	1702.7	1354.4	859.5	180.3
35°	2571.4	2542.9	2425.8	2351.4	2311.7	2266.9	2187.5	1940.0	1520.4	985.8	211.8
37.5°	2777.1	2748.6	2597.9	2480.8	2456.3	2441.0	2376.9	2140.6	1708.8	1128.4	248.5
40°	2892.2	2873.8	2743.5	2611.1	2564.3	2545.9	2499.1	2308.7	1918.6	1270.9	291.3
42.5°	2927.8	2916.6	2810.7	2745.5	2660.0	2623.3	2567.3	2437.0	2098.9	1430.8	340.1
45°	2908.5	2896.3	2818.9	2834.1	2762.8	2691.6	2615.2	2524.5	2250.6	1619.2	401.2
47.5°	2826.0	2821.9	2769.0	2855.5	2847.4	2765.9	2671.2	2582.6	2381.0	1801.5	477.6
50°	2624.3	2622.3	2646.8	2826.0	2903.4	2827.0	2732.3	2634.5	2484.8	1983.8	575.4
52.5°	2352.4	2366.7	2489.9	2771.0	2919.7	2874.9	2793.4	2693.6	2570.4	2166.1	706.8
55°	2208.9	2221.1	2383.0	2710.9	2916.6	2903.4	2855.5	2750.6	2648.8	2315.8	881.9
57.5°	2317.8	2304.6	2378.9	2702.8	2903.4	2927.8	2900.3	2795.4	2720.1	2448.2	1124.3
60°	2524.5	2520.5	2529.6	2760.8	2930.9	2967.5	2948.2	2826.0	2790.3	2549.0	1391.1
62.5°	2733.3	2722.1	2731.3	2920.7	3026.6	3052.1	3028.6	2875.9	2845.3	2622.3	1680.3
65°	2837.2	2829.0	2871.8	3081.6	3163.1	3180.4	3149.8	2956.3	2854.5	2660.0	1862.6
67.5°	2823.9	2821.9	2921.7	3194.6	3277.1	3287.3	3261.8	3036.8	2815.8	2659.0	1882.0
69°	2761.8	2757.8	2889.1	3205.8	3313.8	3320.9	3279.2	2996.1	2718.0	2590.7	1744.5
70°	2688.5	2692.6	2841.3	3185.5	3314.8	3304.6	3207.9	2938.0	2643.7	2512.3	1569.3
72.5°	2415.6	2441.0	2644.7	3052.1	3175.3	3061.2	2935.0	2747.6	2502.1	2141.6	1095.8
75°	2020.5	2056.1	2318.8	2775.1	2730.3	2673.2	2658.0	2515.4	2266.9	1422.7	779.1
77.5°	987.8	1106.0	1645.7	2131.5	2240.4	2298.5	2277.1	2079.5	1821.9	698.6	508.2
80°	51.9	54.0	86.6	203.7	1037.7	1319.8	1623.3	1587.6	1378.9	318.8	267.8
82.5°	27.5	27.5	30.6	35.6	41.8	49.9	132.4	909.4	819.8	164.0	99.8
85°	15.3	15.3	18.3	24.4	31.6	36.7	41.8	55.0	176.2	59.1	16.3
87.5°	7.1	9.2	12.2	17.3	22.4	28.5	32.6	40.7	51.9	49.9	3.1
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: P1057644

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
2.5°	39.7	37.7	34.6	32.6	31.6	29.5	27.5	26.5	25.5	24.4	25.5
5°	39.7	36.7	31.6	28.5	26.5	23.4	21.4	20.4	19.3	18.3	18.3
7.5°	39.7	34.6	28.5	24.4	21.4	19.3	16.3	15.3	14.3	13.2	13.2
10°	40.7	32.6	25.5	21.4	18.3	15.3	13.2	11.2	10.2	10.2	10.2
12.5°	40.7	30.6	22.4	18.3	15.3	12.2	9.2	7.1	6.1	6.1	6.1
15°	40.7	28.5	20.4	15.3	12.2	9.2	5.1	3.1	2.0	2.0	1.0
17.5°	41.8	27.5	18.3	13.2	9.2	5.1	1.0	0.0	0.0	0.0	0.0
20°	43.8	26.5	16.3	11.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0
22.5°	45.8	25.5	14.3	8.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0
25°	49.9	25.5	13.2	7.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	54.0	25.5	10.2	4.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	57.0	25.5	9.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	61.1	25.5	8.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	64.2	24.4	6.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	67.2	23.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	71.3	22.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	75.4	20.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	80.5	19.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.6	18.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	97.8	18.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	115.1	18.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	143.6	18.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	193.5	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	291.3	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	450.1	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	688.4	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	872.7	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69°	788.2	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	668.1	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	371.7	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	193.5	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	82.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	24.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.1	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	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

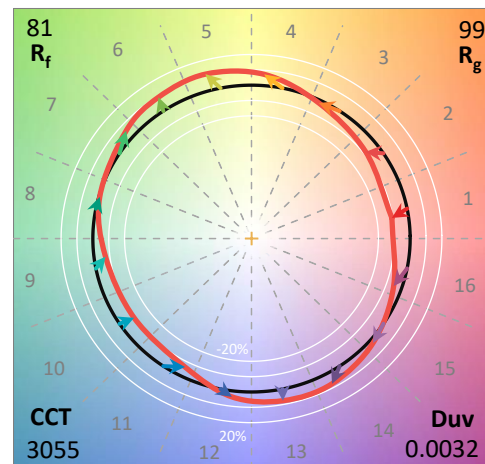
Test Information

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

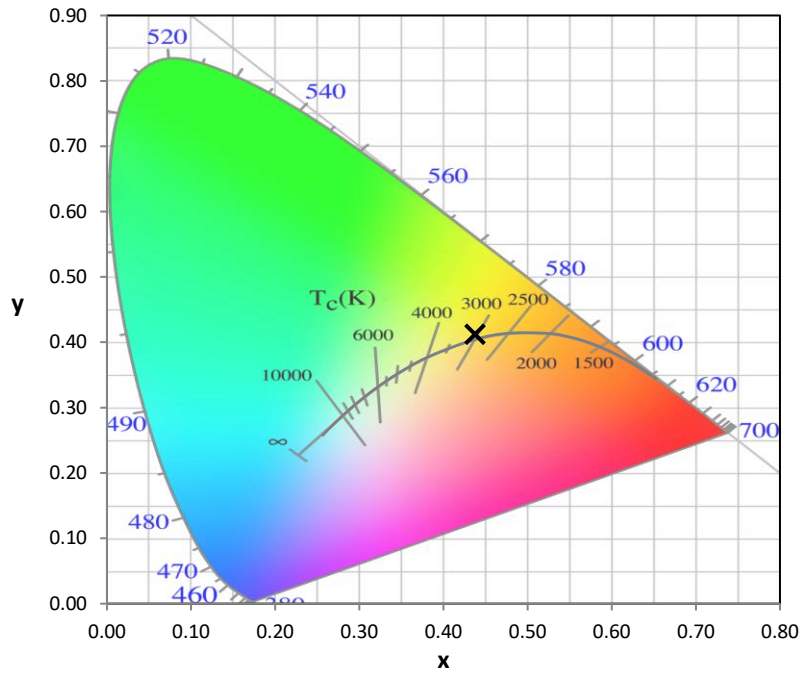
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

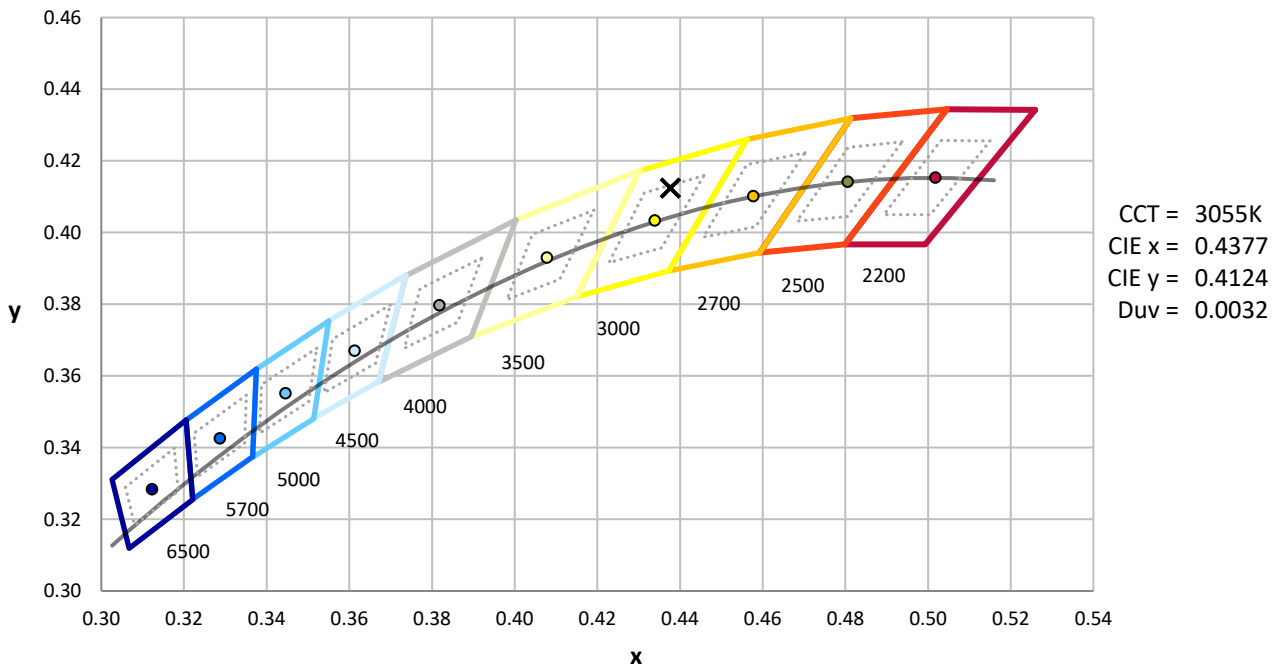
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

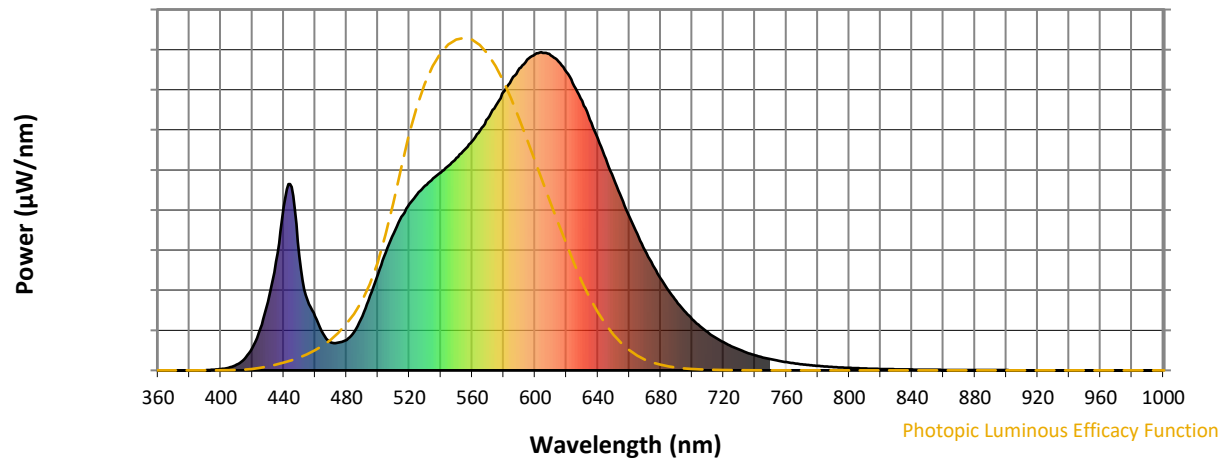


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



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Photopic Flux vs. Wavelength

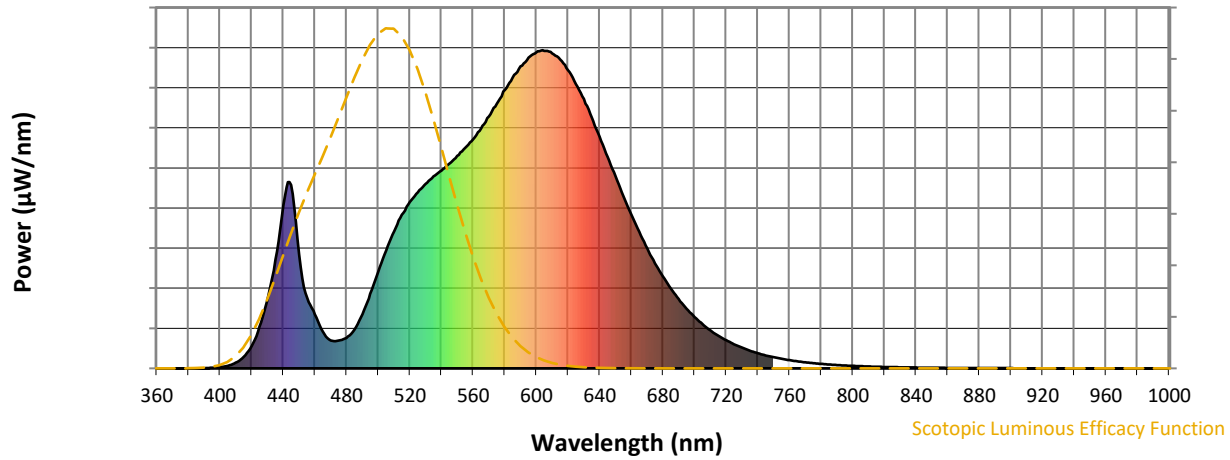


Photopic Lumens: NR

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	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



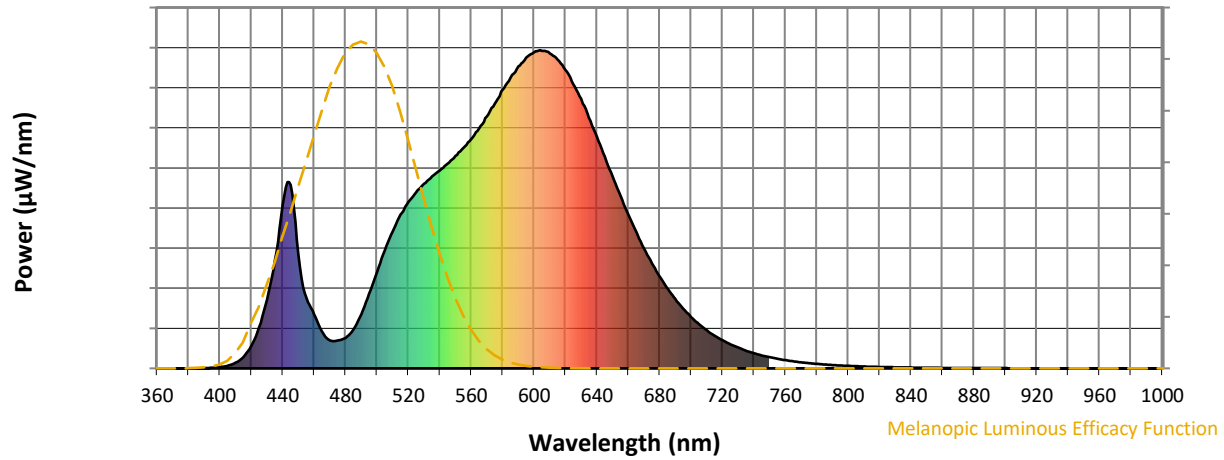
Scotopic Lumens: NR

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

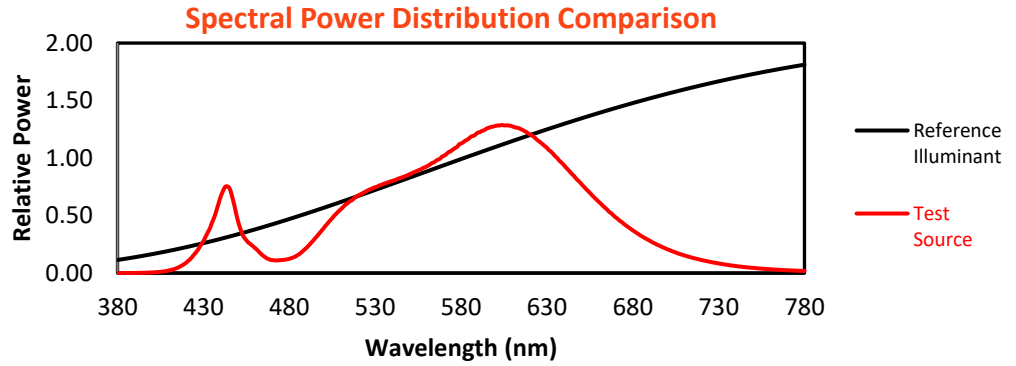
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	NR	620	938	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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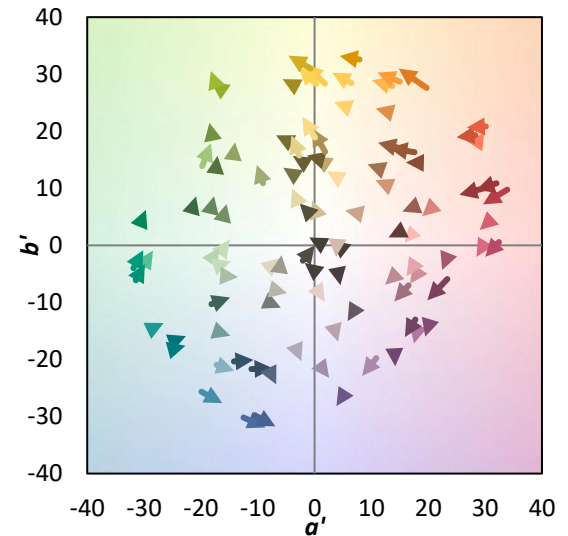
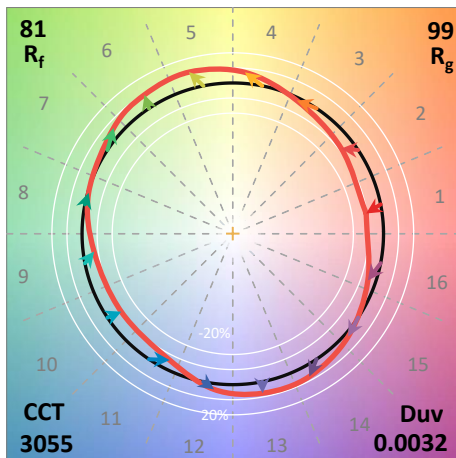
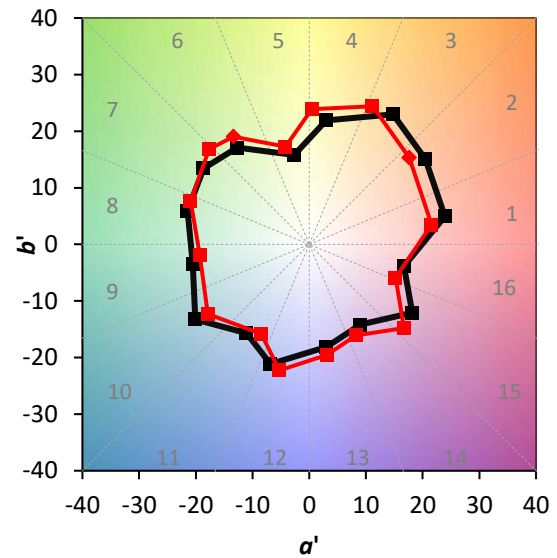
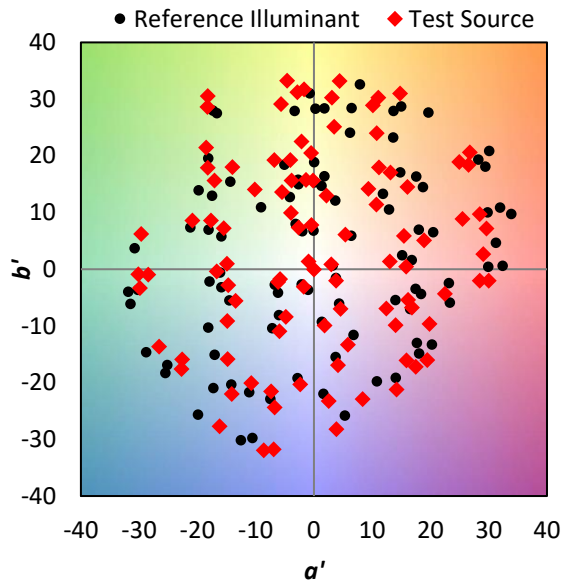
TM-30-18

Summary

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

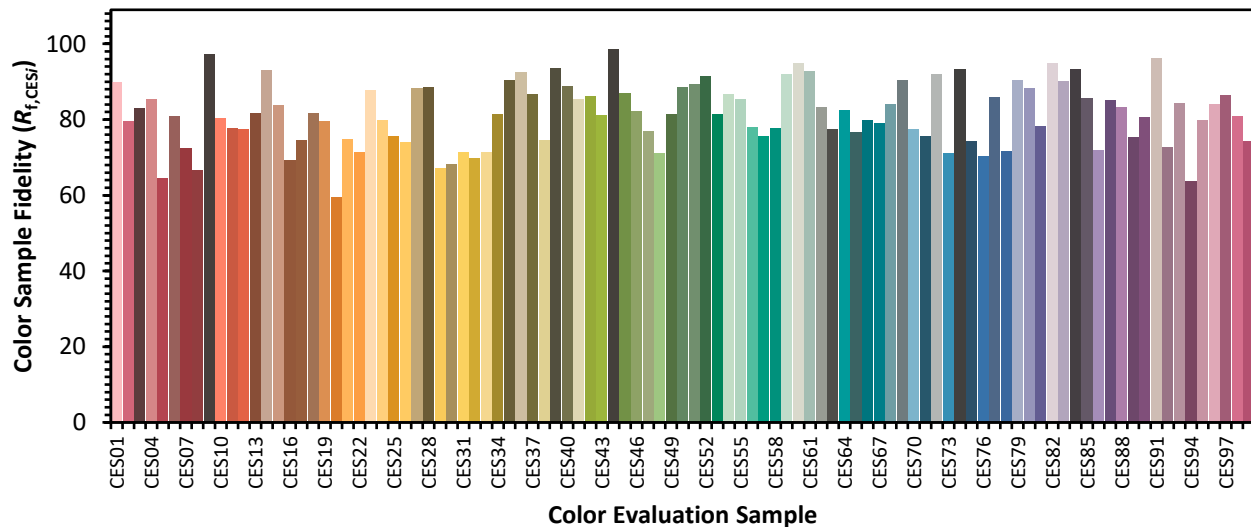


Color Vector Graphics

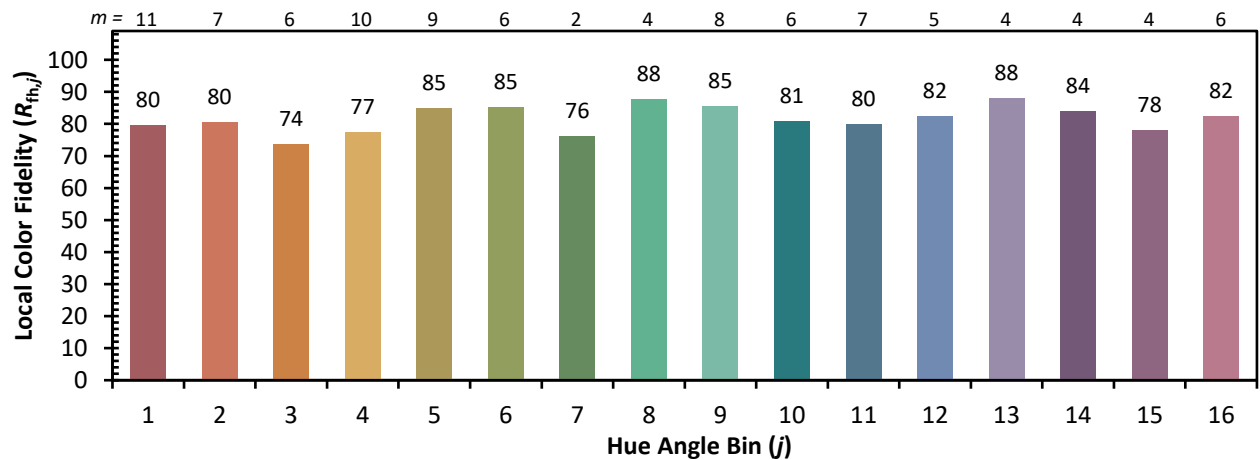
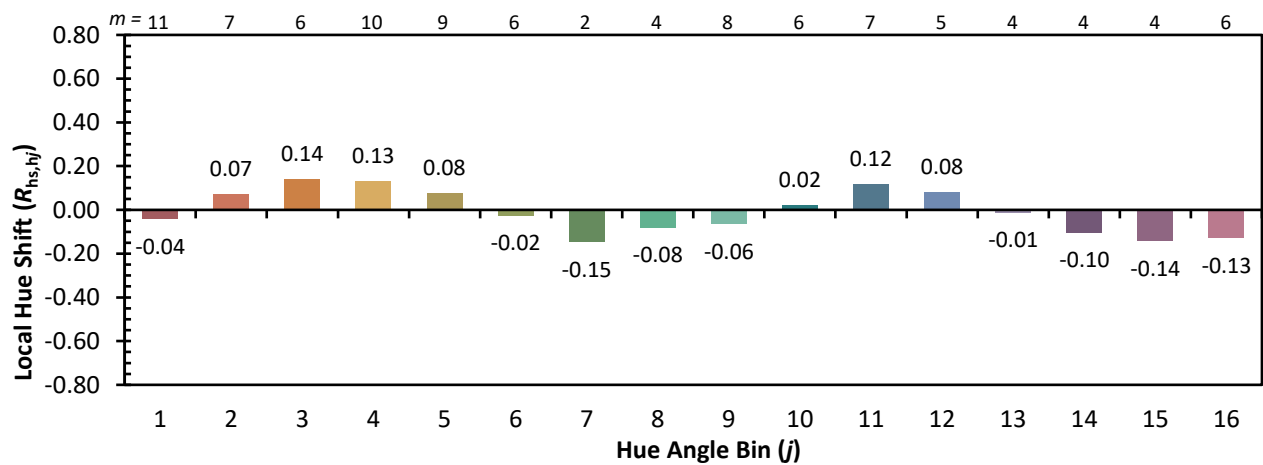
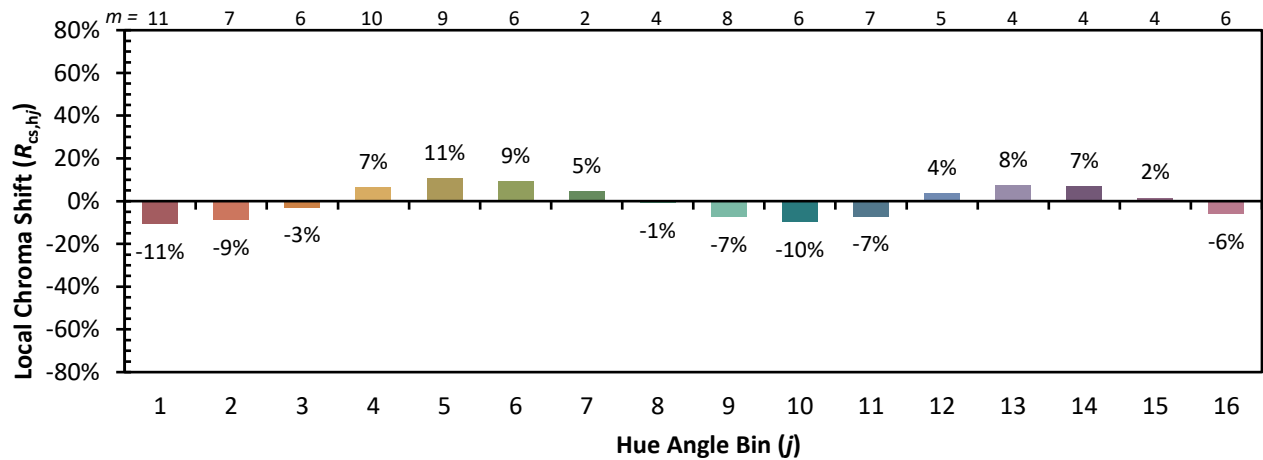


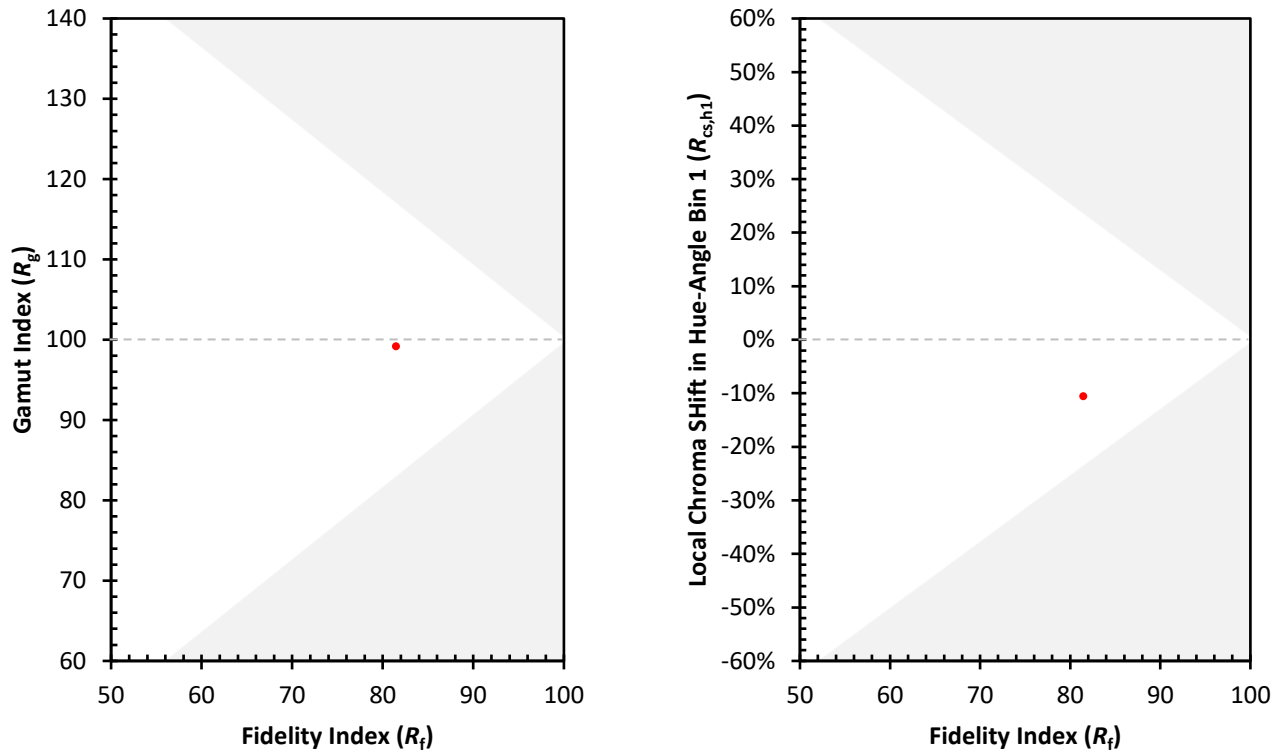
Individual Sample Fidelity Index ($R_{f,i}$)

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)