

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: McGRAW-EDISON

Report Number: P991158

Luminaire Tested: **GPC-SA2B-722-U-T4BC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991158
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA2B-722-U-T4BC
Description: GALLEON PEDESTRAIAN COMPANION 800mA 2xLight Square PACKAGE 70CRI
2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6322.1 lumens
Efficiency: N/A
Efficacy: 87.6 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): 72.2
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: 24 FT

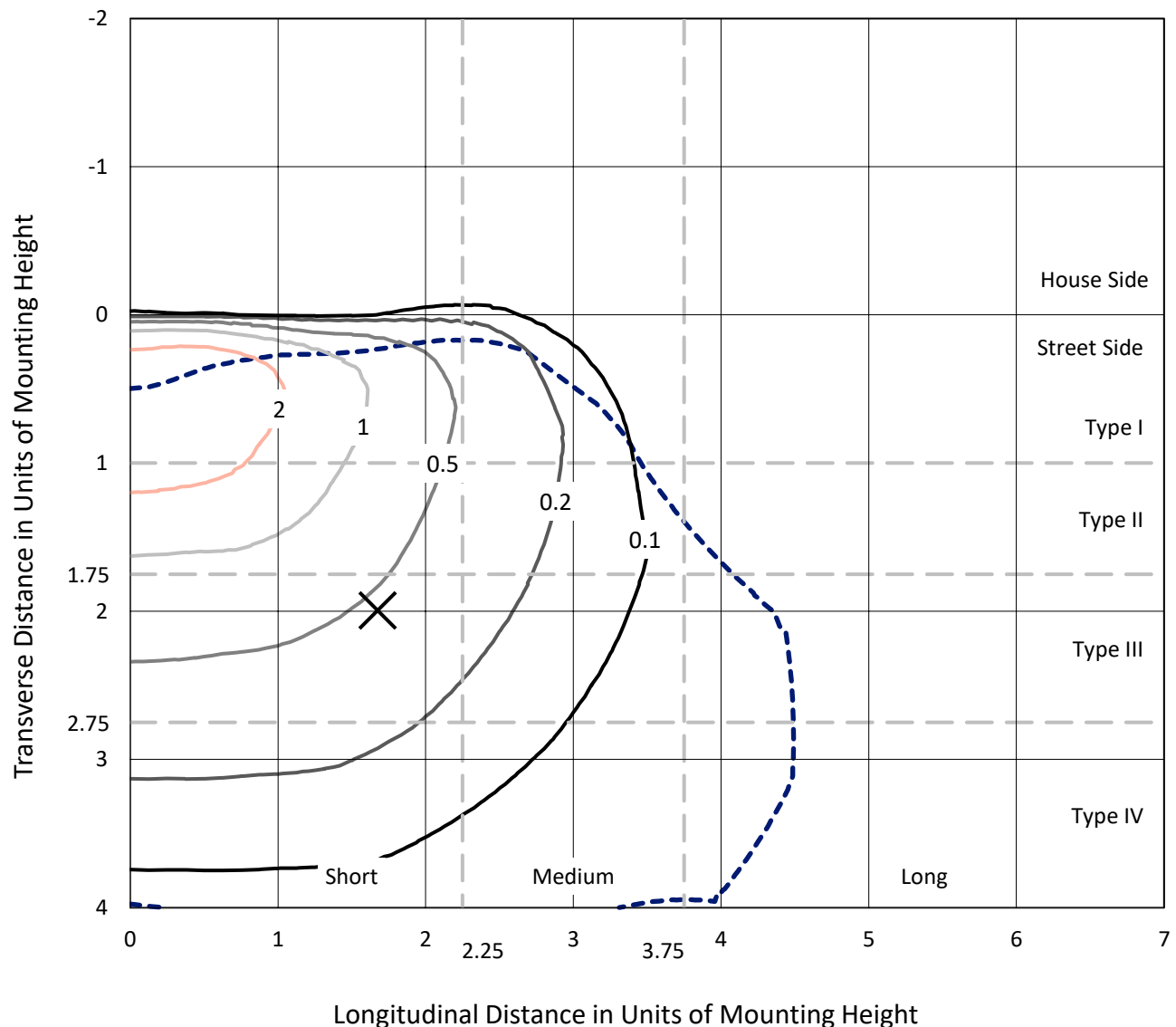


REPORT NUMBER: P991158

CATALOG NUMBER: GPC-SA2B-722-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

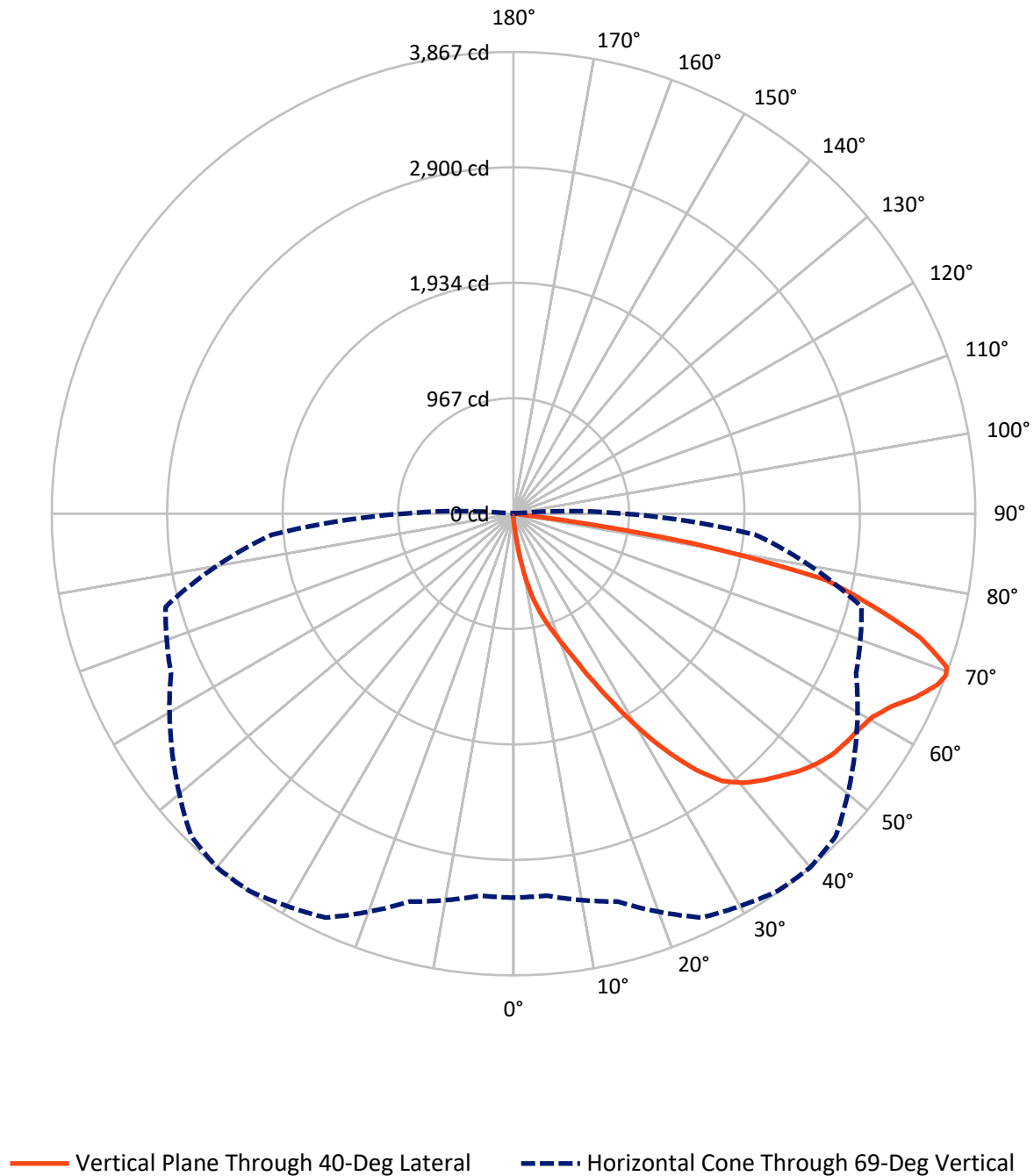
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P991158
CATALOG NUMBER: GPC-SA2B-722-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P991158

CATALOG NUMBER: GPC-SA2B-722-U-T4BC

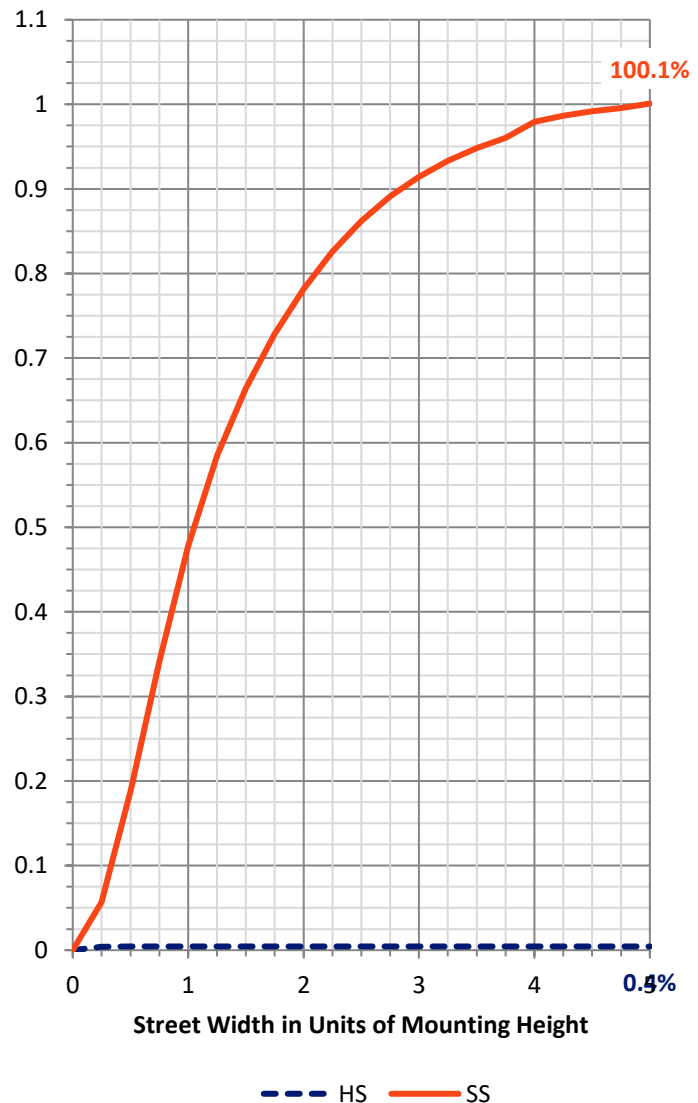
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.7	0.0	27.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	6294.4	0.0	6294.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	6322.1	0.0	6322.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.2
10°-20°	101.0	1.6
20°-30°	304.1	4.8
30°-40°	669.6	10.6
40°-50°	1028.9	16.3
50°-60°	1267.0	20.0
60°-70°	1599.6	25.3
70°-80°	1230.4	19.5
80°-90°	108.1	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°	6322.1	100.0
0°-180°	6322.1	100.0

Coefficient of Utilization



REPORT NUMBER: P991158

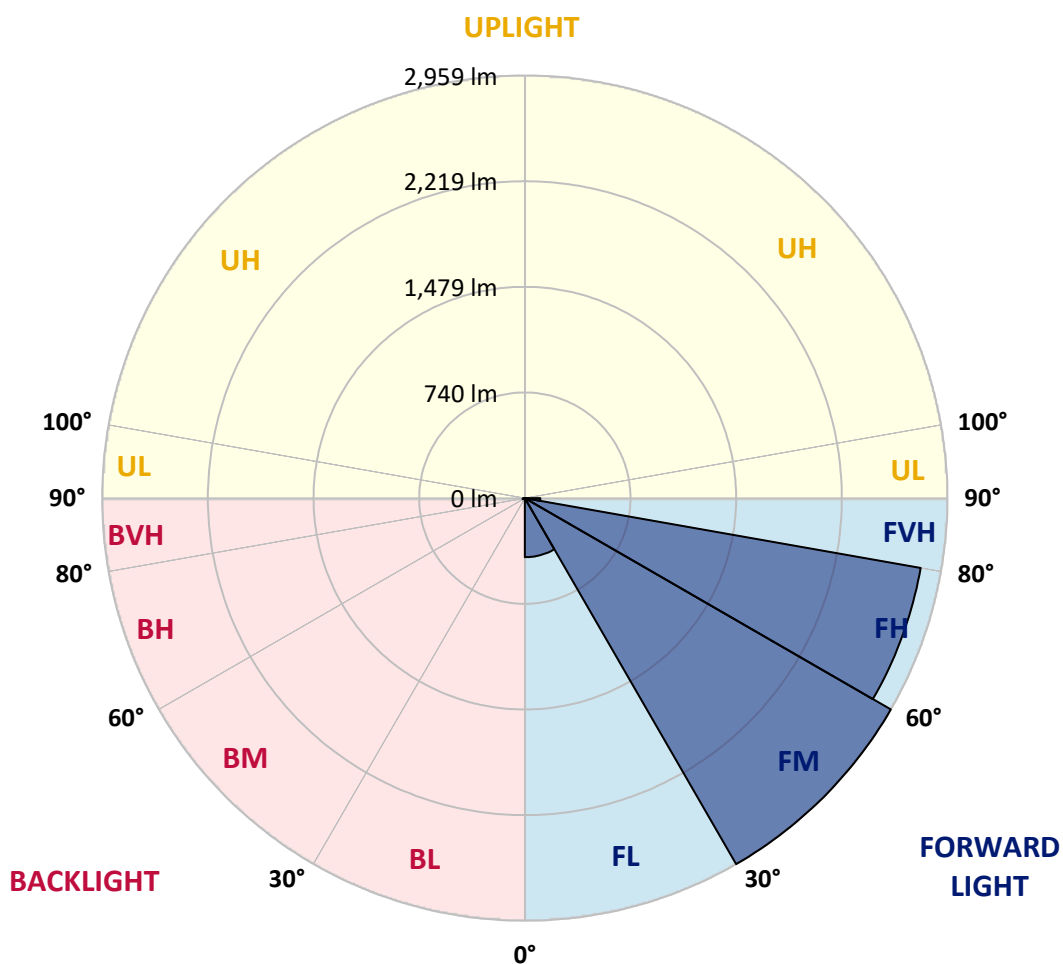
CATALOG NUMBER: GPC-SA2B-722-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.7	6.5			
FM	(30°-60°)	2958.8	46.8			
FH	(60°-80°)	2814.1	44.5			G2/5000
FVH	(80°-90°)	107.8	1.7			G2/225
BL	(0°-30°)	4.7	0.1	B0/110		
BM	(30°-60°)	6.8	0.1	B0/220		
BH	(60°-80°)	15.9	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



REPORT NUMBER: P991158

CATALOG NUMBER: GPC-SA2B-722-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	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°	103.2	102.0	97.2	91.3	86.6	83.0	78.3	71.2	64.0	55.7	49.8
5°	270.4	269.2	250.2	226.5	194.5	173.1	151.8	117.4	88.9	68.8	52.2
7.5°	500.4	496.9	479.1	442.3	374.7	338.0	298.8	209.9	136.4	85.4	55.7
10°	728.1	725.7	703.2	649.8	576.3	539.6	487.4	358.1	214.6	111.5	60.5
12.5°	862.1	868.0	851.4	826.5	763.7	729.3	670.0	520.6	329.7	153.0	66.4
15°	972.4	974.8	959.3	943.9	909.5	881.1	831.3	693.7	467.2	208.7	73.5
17.5°	1108.8	1105.2	1088.6	1070.8	1032.9	1011.5	979.5	853.8	614.3	288.2	83.0
20°	1281.9	1272.4	1253.4	1222.6	1181.1	1155.0	1121.8	1017.4	761.3	375.9	94.9
22.5°	1503.6	1491.8	1471.6	1443.2	1369.6	1329.3	1286.6	1157.4	923.8	487.4	110.3
25°	1759.8	1753.9	1732.5	1692.2	1613.9	1560.6	1491.8	1321.0	1085.0	606.0	129.3
27.5°	2061.0	2050.3	2021.9	1974.4	1890.2	1820.3	1734.9	1501.3	1239.2	731.7	153.0
30°	2397.8	2374.0	2315.9	2274.4	2176.0	2107.2	2007.6	1740.8	1398.1	863.3	177.9
32.5°	2710.8	2680.0	2595.8	2538.9	2447.6	2385.9	2294.6	1982.7	1577.2	1000.8	209.9
35°	2994.2	2961.0	2824.7	2738.1	2691.9	2639.7	2547.2	2259.0	1770.5	1147.9	246.7
37.5°	3233.8	3200.6	3025.1	2888.7	2860.2	2842.5	2767.7	2492.6	1989.8	1313.9	289.3
40°	3367.8	3346.4	3194.6	3040.5	2985.9	2964.6	2910.0	2688.3	2234.1	1479.9	339.1
42.5°	3409.3	3396.2	3272.9	3197.0	3097.4	3054.7	2989.5	2837.7	2444.0	1666.1	396.1
45°	3386.8	3372.5	3282.4	3300.2	3217.2	3134.2	3045.2	2939.7	2620.7	1885.5	467.2
47.5°	3290.7	3286.0	3224.3	3325.1	3315.6	3220.7	3110.5	3007.3	2772.5	2097.7	556.2
50°	3055.9	3053.5	3082.0	3290.7	3380.8	3291.9	3181.6	3067.8	2893.4	2310.0	670.0
52.5°	2739.3	2755.9	2899.4	3226.7	3399.8	3347.6	3252.8	3136.5	2993.1	2522.3	823.0
55°	2572.1	2586.3	2774.9	3156.7	3396.2	3380.8	3325.1	3202.9	3084.4	2696.6	1026.9
57.5°	2699.0	2683.5	2770.1	3147.2	3380.8	3409.3	3377.3	3255.1	3167.4	2850.8	1309.2
60°	2939.7	2934.9	2945.6	3214.8	3412.8	3455.5	3433.0	3290.7	3249.2	2968.2	1619.9
62.5°	3182.8	3169.7	3180.4	3401.0	3524.3	3554.0	3526.7	3348.8	3313.2	3053.5	1956.6
65°	3303.7	3294.3	3344.1	3588.3	3683.2	3703.4	3667.8	3442.5	3323.9	3097.4	2168.9
67.5°	3288.3	3286.0	3402.2	3720.0	3816.0	3827.9	3798.2	3536.2	3278.8	3096.2	2191.4
69°	3216.0	3211.2	3364.2	3733.0	3858.7	3867.0	3818.4	3488.7	3165.0	3016.8	2031.3
70°	3130.6	3135.4	3308.5	3709.3	3859.9	3848.0	3735.4	3421.1	3078.4	2925.5	1827.4
72.5°	2812.8	2842.5	3079.6	3554.0	3697.4	3564.6	3417.6	3199.4	2913.6	2493.8	1276.0
75°	2352.7	2394.2	2700.2	3231.4	3179.2	3112.8	3095.0	2929.0	2639.7	1656.6	907.2
77.5°	1150.3	1287.8	1916.3	2482.0	2608.8	2676.4	2651.5	2421.5	2121.5	813.5	591.7
80°	60.5	62.8	100.8	237.2	1208.4	1536.8	1890.2	1848.7	1605.6	371.2	311.9
82.5°	32.0	32.0	35.6	41.5	48.6	58.1	154.2	1059.0	954.6	190.9	116.2
85°	17.8	17.8	21.3	28.5	36.8	42.7	48.6	64.0	205.1	68.8	19.0
87.5°	8.3	10.7	14.2	20.2	26.1	33.2	37.9	47.4	60.5	58.1	3.6
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: P991158

CATALOG NUMBER: GPC-SA2B-722-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°	46.2	43.9	40.3	37.9	36.8	34.4	32.0	30.8	29.6	28.5	29.6
5°	46.2	42.7	36.8	33.2	30.8	27.3	24.9	23.7	22.5	21.3	21.3
7.5°	46.2	40.3	33.2	28.5	24.9	22.5	19.0	17.8	16.6	15.4	15.4
10°	47.4	37.9	29.6	24.9	21.3	17.8	15.4	13.0	11.9	11.9	11.9
12.5°	47.4	35.6	26.1	21.3	17.8	14.2	10.7	8.3	7.1	7.1	7.1
15°	47.4	33.2	23.7	17.8	14.2	10.7	5.9	3.6	2.4	2.4	1.2
17.5°	48.6	32.0	21.3	15.4	10.7	5.9	1.2	0.0	0.0	0.0	0.0
20°	51.0	30.8	19.0	13.0	7.1	2.4	0.0	0.0	0.0	0.0	0.0
22.5°	53.4	29.6	16.6	9.5	3.6	1.2	0.0	0.0	0.0	0.0	0.0
25°	58.1	29.6	15.4	8.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	62.8	29.6	11.9	4.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	66.4	29.6	10.7	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	71.2	29.6	9.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	74.7	28.5	7.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	78.3	27.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	83.0	26.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	87.8	23.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	93.7	22.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	102.0	21.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	113.8	21.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	134.0	21.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	167.2	21.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	225.3	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	339.1	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	524.1	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	801.6	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1016.3	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69°	917.8	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	777.9	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	432.8	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	225.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	96.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.5	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	2.4	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	1.2	1.2	1.2	1.2	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

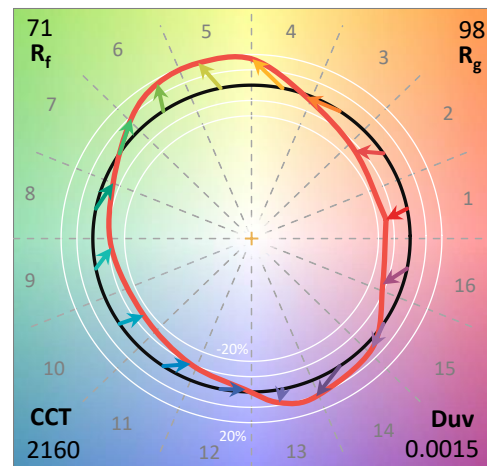
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

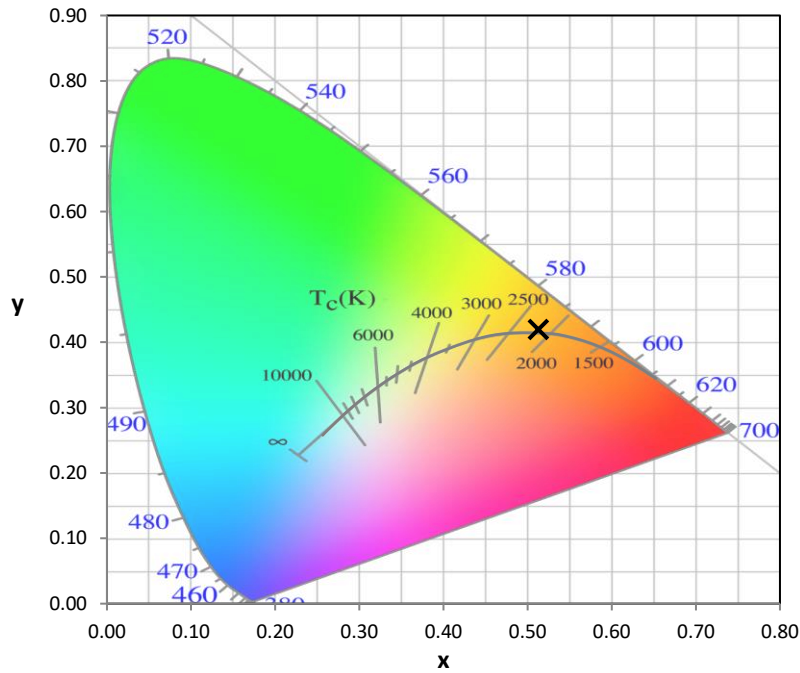
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

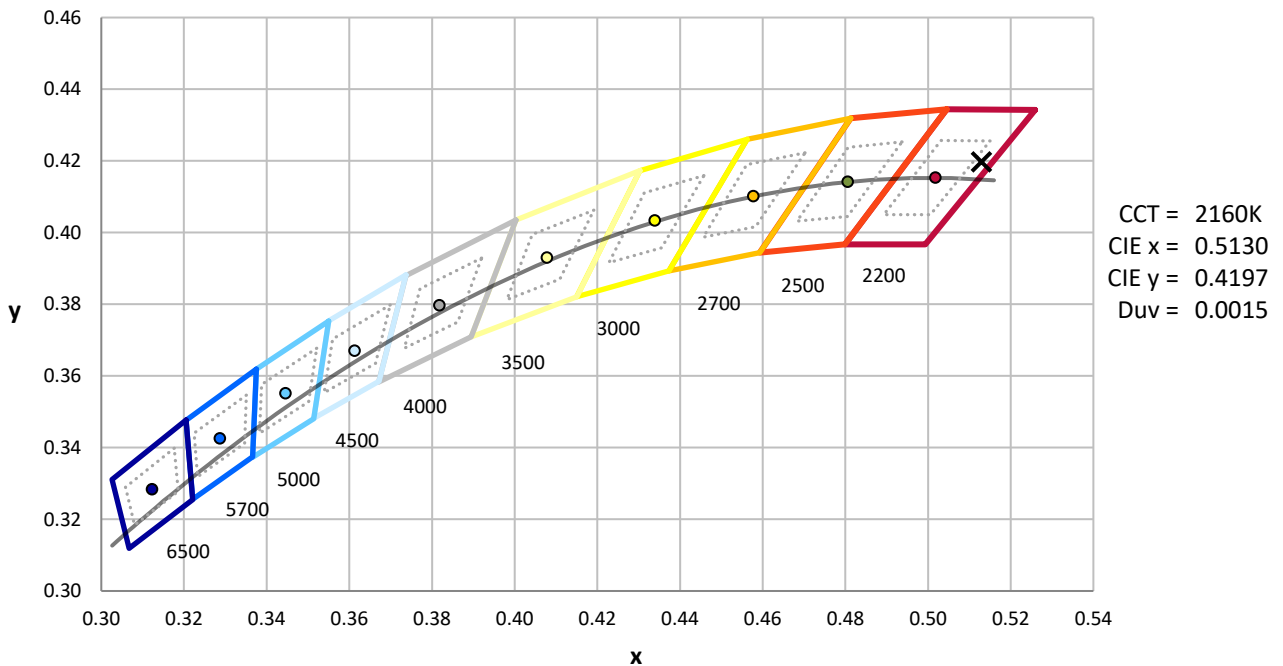
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



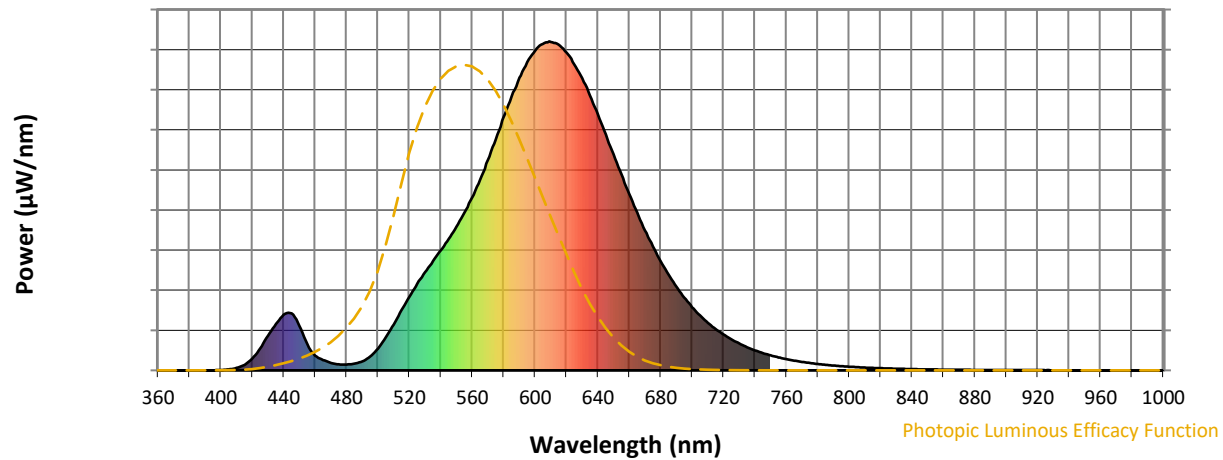
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

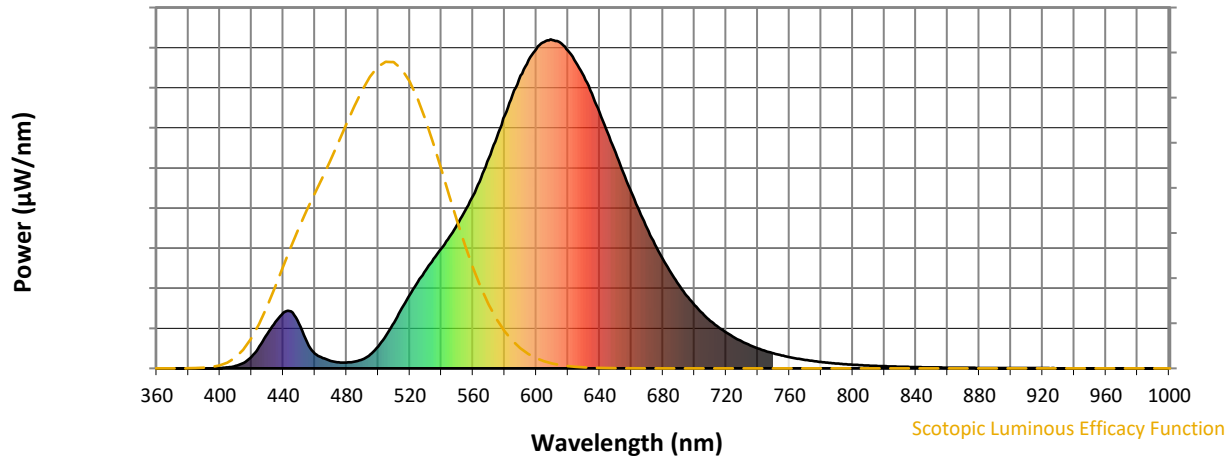


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength



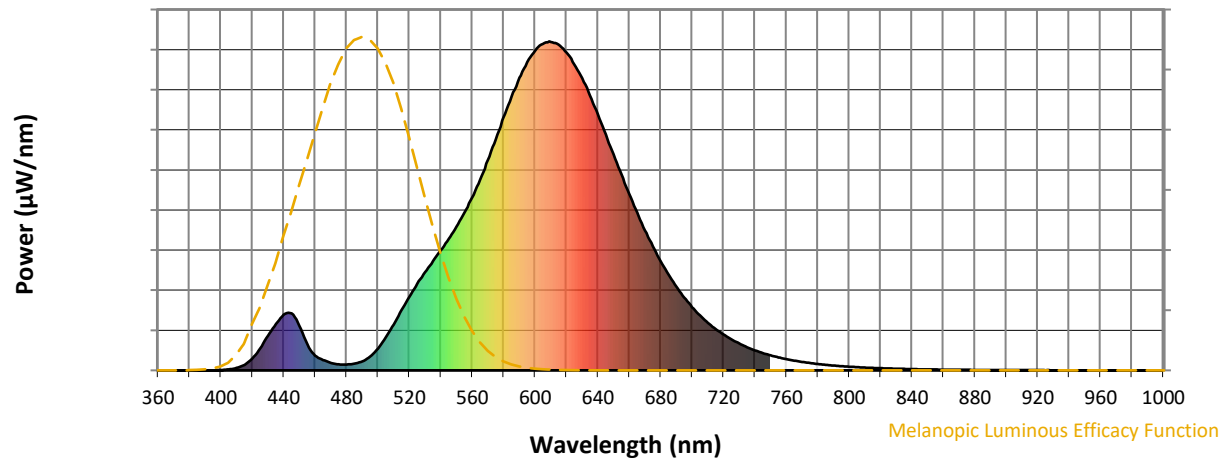
Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

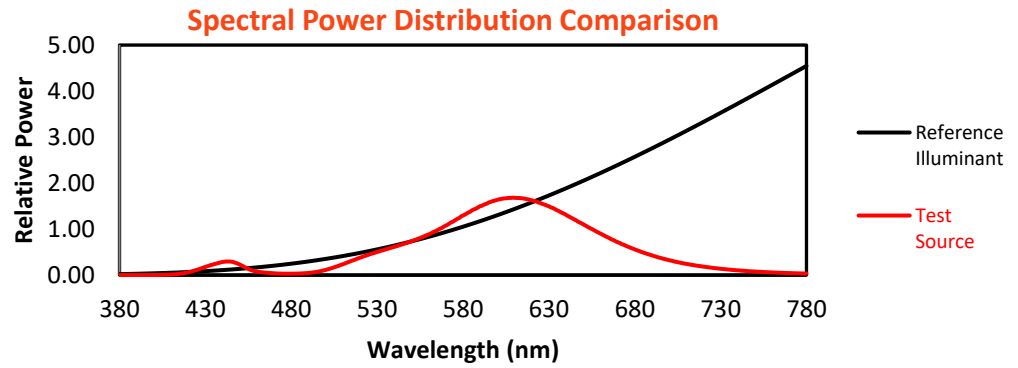
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

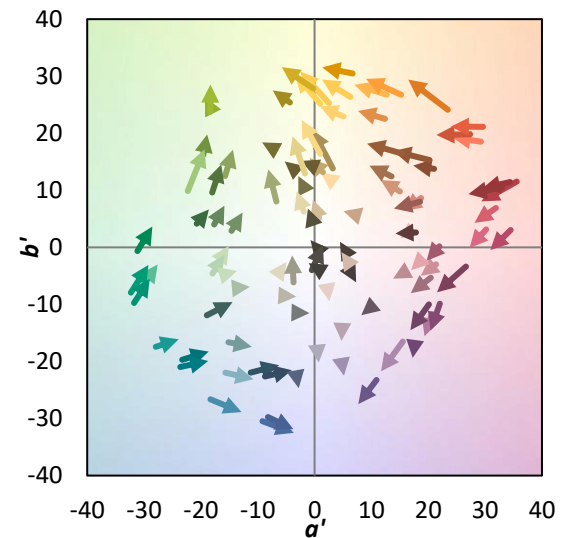
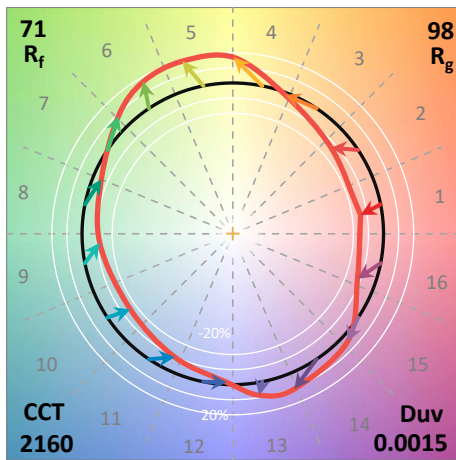
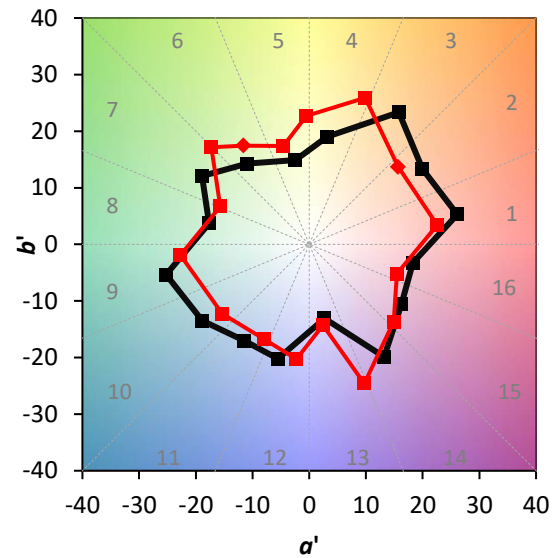
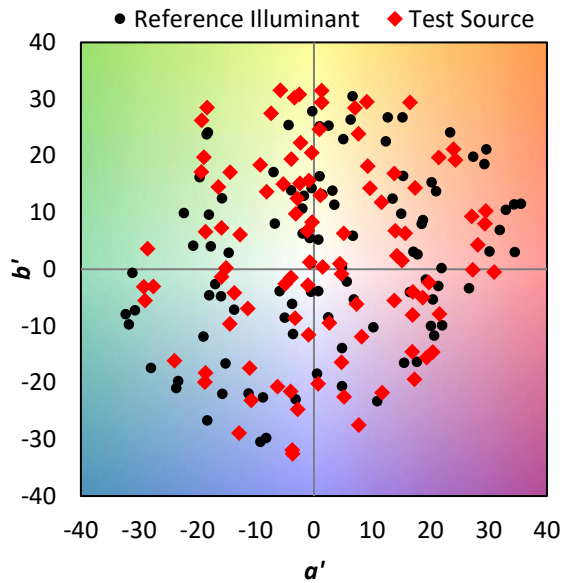
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE\ R_a = 71.9$
 $R_g = -17.8$

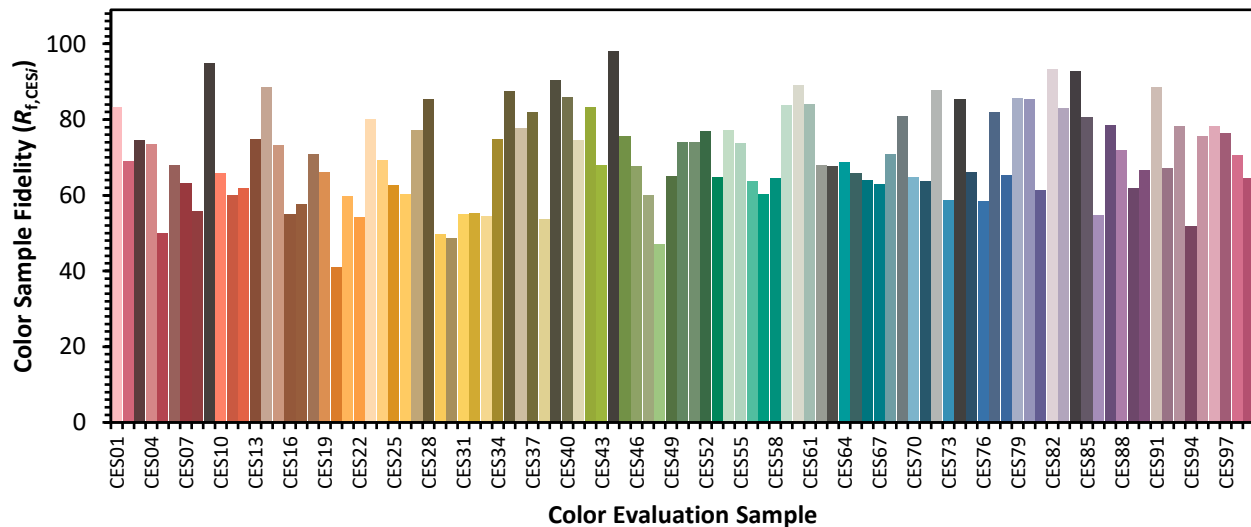


Color Vector Graphics

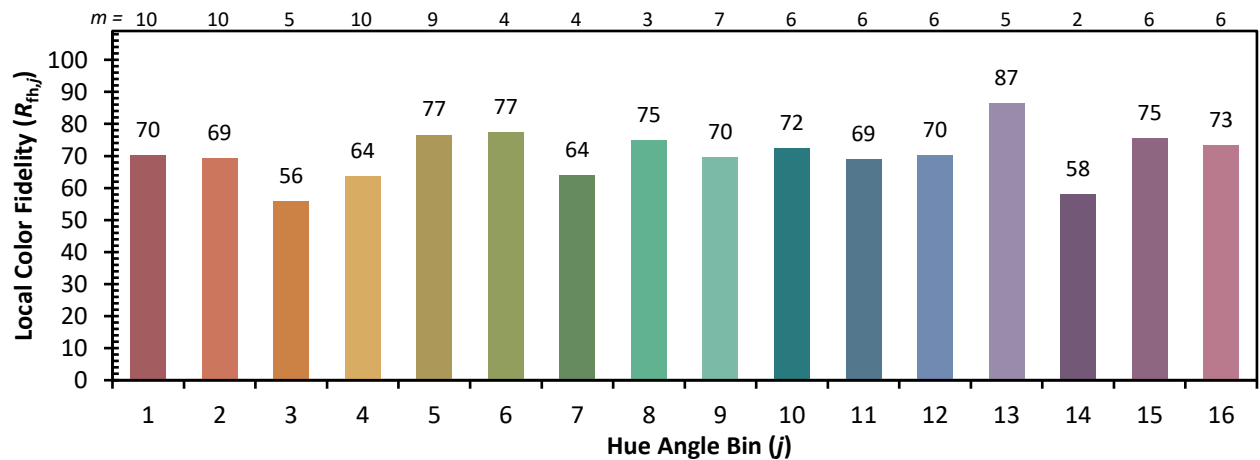
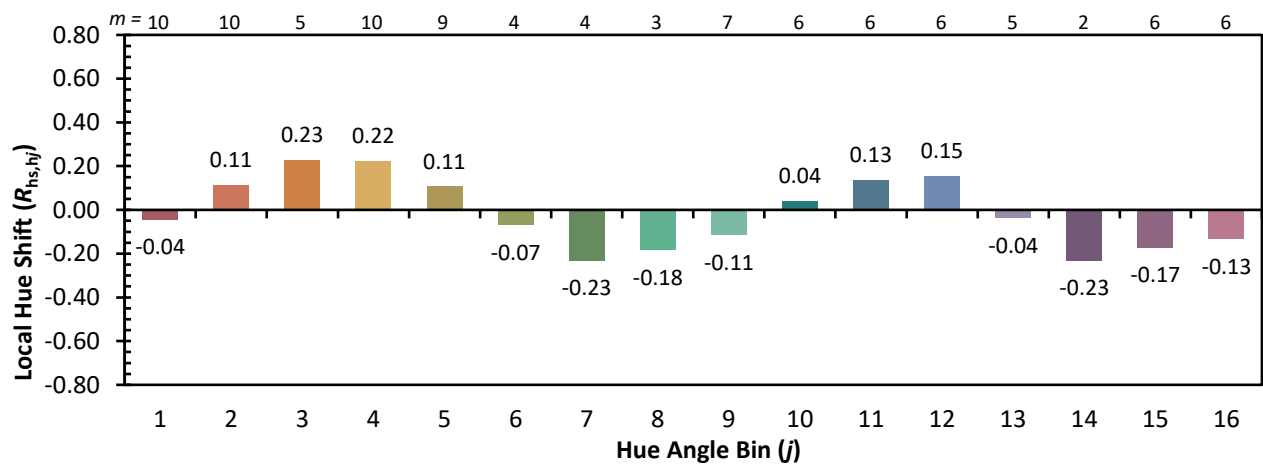
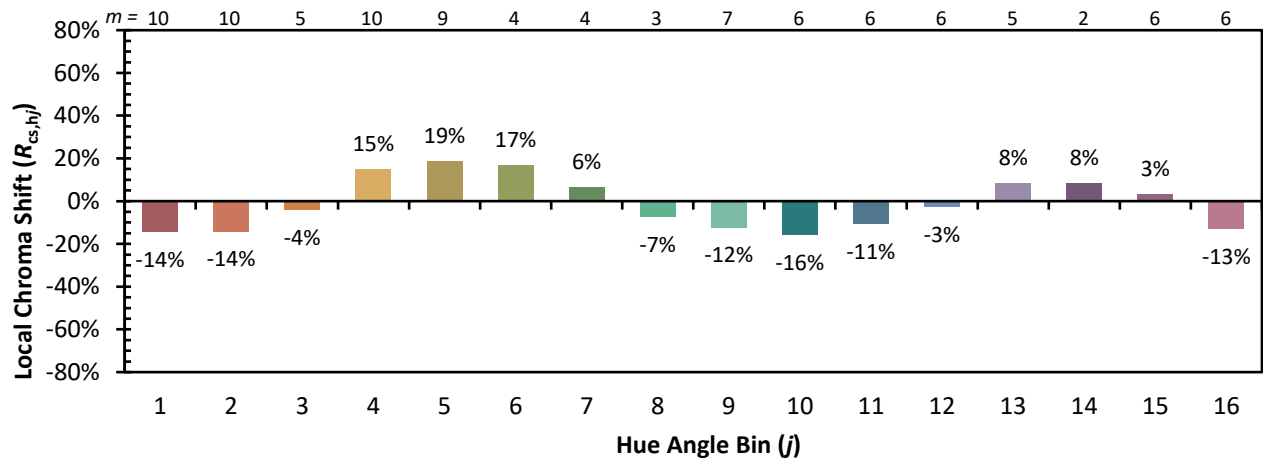


Individual Sample Fidelity Index ($R_{f,i}$)

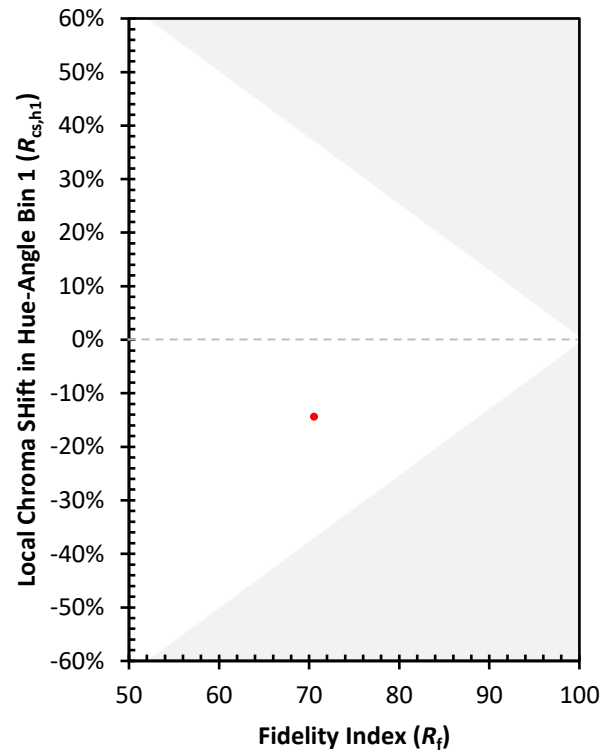
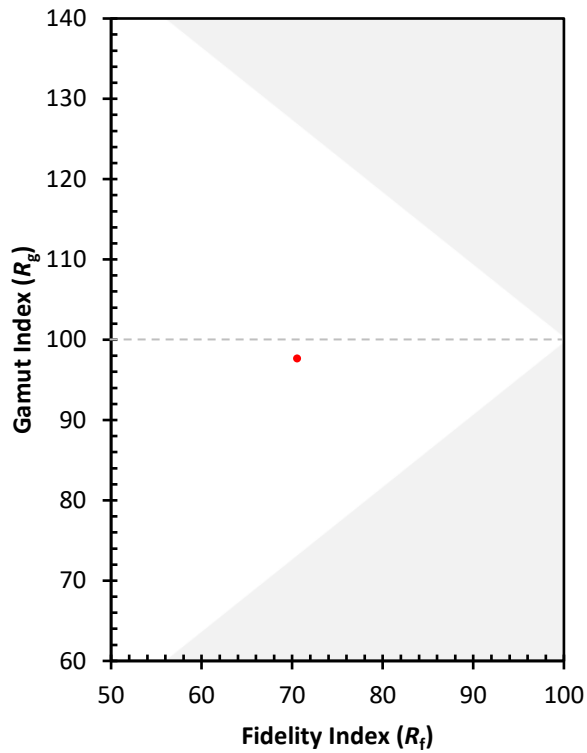
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)