

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: P1048034

Luminaire Tested: **GALN-SA4B-850-U-T2BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048034
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4B-850-U-T2BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 5000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16383.3 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

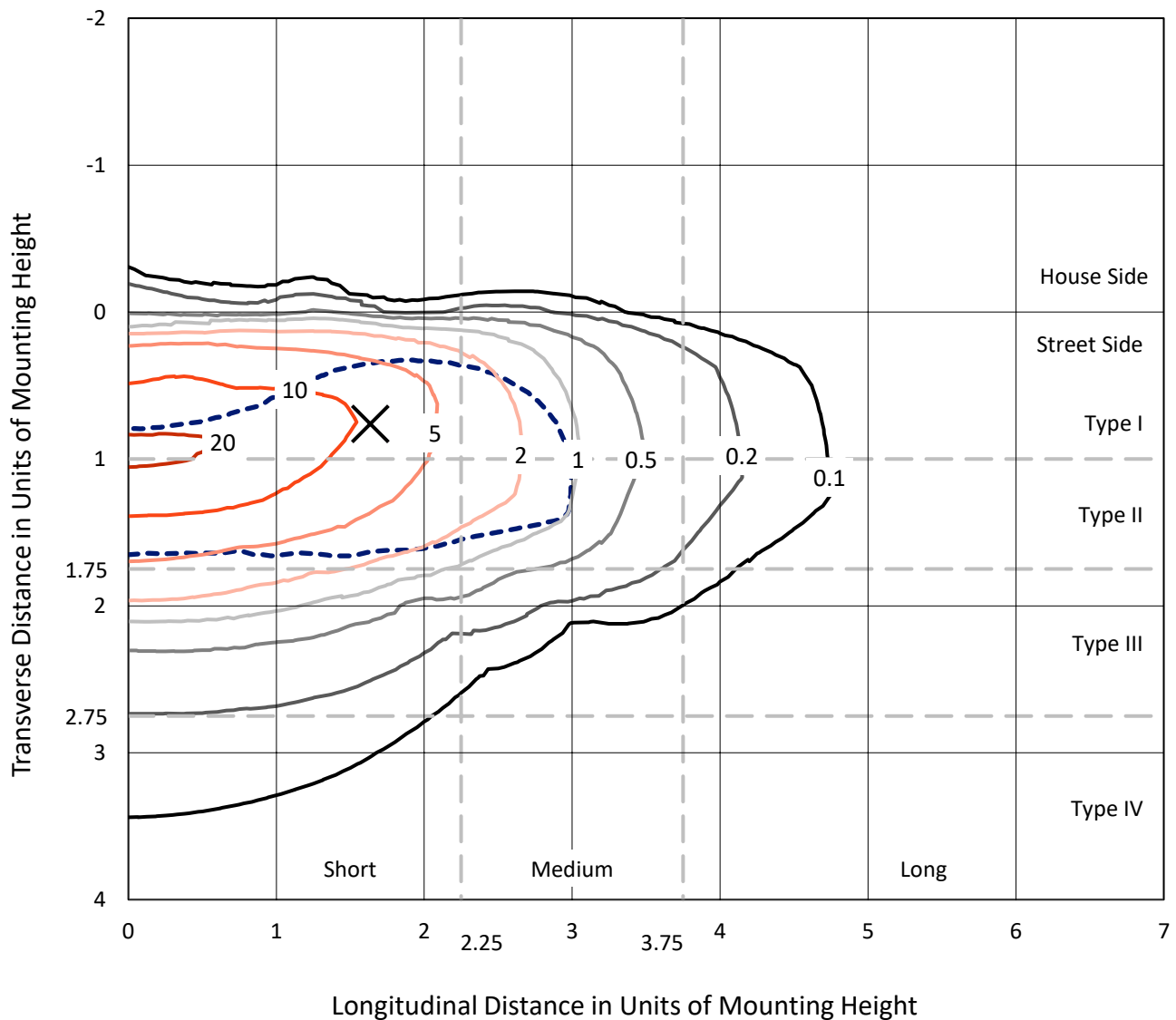


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

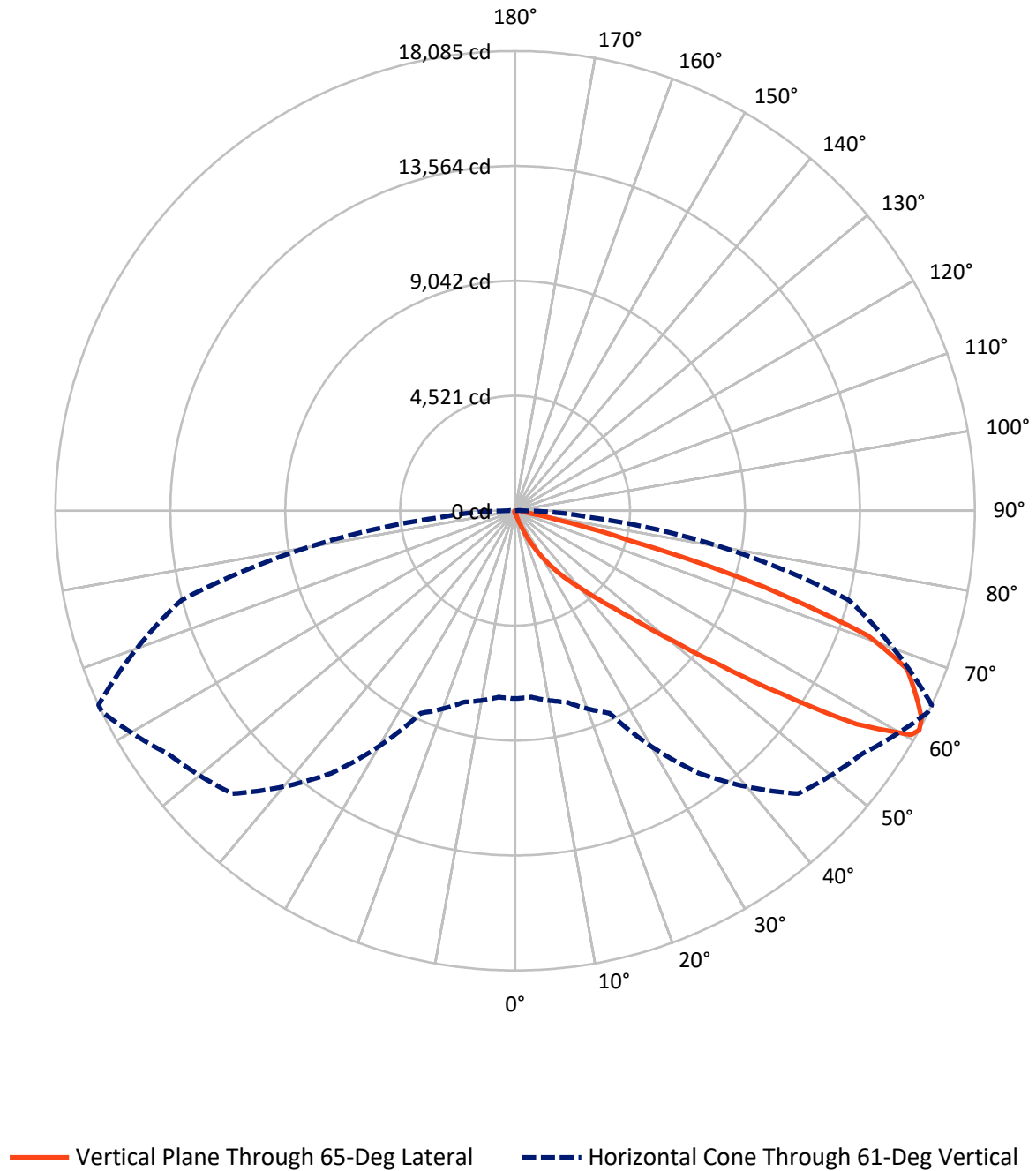


Based on 15 foot mounting height. Maximum calculated value = 21.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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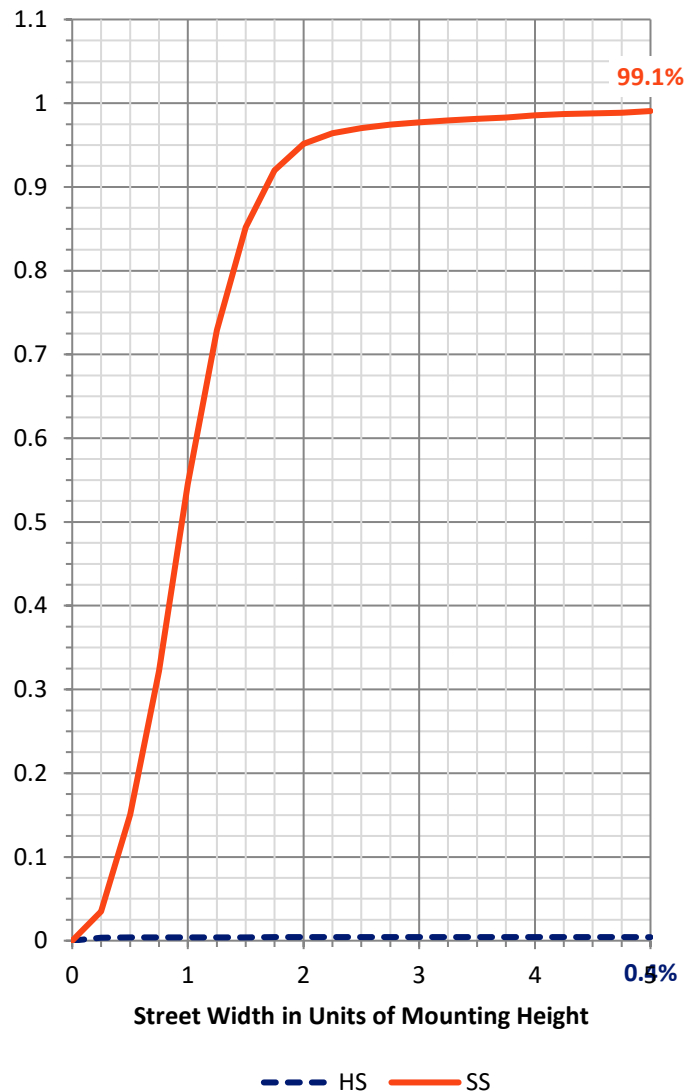
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.9	0.0	69.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16313.3	0.0	16313.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	16383.3	0.0	16383.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.1
10°-20°	134.7	0.8
20°-30°	483.5	3.0
30°-40°	1287.2	7.9
40°-50°	3381.6	20.6
50°-60°	5238.7	32.0
60°-70°	4392.6	26.8
70°-80°	1292.7	7.9
80°-90°	159.5	1.0
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°	16383.3	100.0
0°-180°	16383.3	100.0



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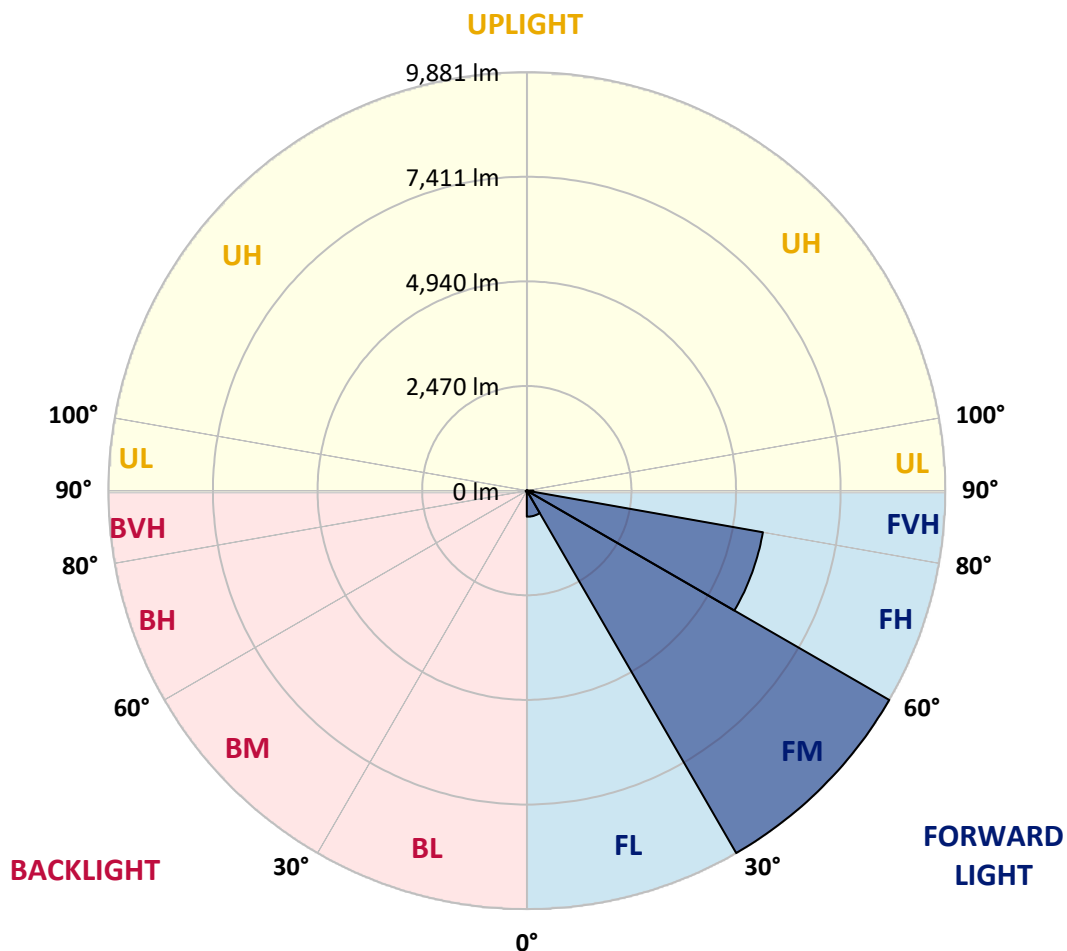
CATALOG NUMBER: GALN-SA4B-850-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	615.3	3.8			
FM	(30°-60°)	9881.0	60.3			
FH	(60°-80°)	5660.6	34.6			G3/7500
FVH	(80°-90°)	156.5	1.0			G2/225
BL	(0°-30°)	15.7	0.1	B0/110		
BM	(30°-60°)	26.6	0.2	B0/220		
BH	(60°-80°)	24.7	0.2	B0/110		G0/110
BVH	(80°-90°)	3.0	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	121.7	122.8	120.6	116.1	112.7	112.7	111.6	108.2	108.2	104.8	102.6
5°	170.2	167.9	163.4	154.4	146.5	138.6	130.7	122.8	121.7	111.6	104.8
7.5°	278.4	280.6	266.0	237.8	214.1	183.7	155.5	138.6	136.4	119.5	105.9
10°	610.8	593.9	560.1	450.8	370.8	279.5	207.4	161.2	158.9	128.5	108.2
12.5°	1113.5	1099.9	1038.0	925.3	719.0	500.4	303.2	199.5	192.7	136.4	109.3
15°	1604.8	1583.4	1549.6	1435.8	1194.6	897.1	495.9	272.7	254.7	147.6	108.2
17.5°	1918.1	1921.5	1891.1	1842.6	1687.1	1327.6	856.5	406.8	371.9	167.9	105.9
20°	2192.0	2184.1	2201.0	2175.1	2065.8	1804.3	1246.5	644.6	584.9	200.6	107.1
22.5°	2507.6	2526.7	2539.1	2533.5	2412.9	2189.7	1689.4	964.7	889.2	260.3	110.4
25°	2930.2	2927.9	2929.1	2914.4	2797.2	2549.3	2133.4	1362.5	1285.9	357.3	118.3
27.5°	3373.1	3386.6	3392.2	3339.3	3186.0	2942.6	2544.7	1797.6	1707.4	512.8	128.5
30°	3978.3	3967.0	3941.1	3832.9	3646.9	3344.9	2950.5	2254.0	2159.3	730.3	144.3
32.5°	4794.2	4781.8	4651.1	4412.2	4133.8	3764.2	3358.4	2711.5	2596.6	1001.9	165.7
35°	6138.7	6157.9	5836.7	5218.0	4718.7	4267.9	3810.4	3166.8	3065.4	1336.6	195.0
37.5°	8197.7	8092.9	7656.8	6563.6	5488.4	4896.8	4242.0	3626.7	3538.8	1749.1	233.3
40°	10198.1	10094.5	9968.2	8932.5	6826.2	5589.9	4846.1	4166.5	4052.7	2214.5	289.6
42.5°	12301.1	12243.6	12238.0	11457.0	9267.3	6679.7	5573.0	4798.7	4701.8	2725.1	382.1
45°	13791.0	13733.5	13854.1	13990.5	12591.9	9014.8	6838.6	5620.3	5479.4	3344.9	529.7
47.5°	13991.6	13993.9	14316.2	14743.3	15062.2	12626.8	8524.6	6709.0	6537.7	4231.9	777.6
50°	13324.4	13350.3	13863.1	14627.2	15486.0	15657.3	11497.6	8289.0	8035.4	5283.3	1129.2
52.5°	12054.3	12083.6	12798.1	14054.7	15096.1	16385.3	14998.0	10355.9	10064.0	6595.2	1625.1
55°	10910.4	10928.4	11747.8	13335.7	14626.1	15989.8	17076.2	13115.9	12732.7	8209.0	2114.2
57.5°	9777.8	9736.1	10269.1	12087.0	14546.1	15504.0	17382.7	16261.4	15838.7	9972.7	2495.2
60°	8263.1	8193.2	8621.5	9777.8	13493.5	15823.0	16809.1	18001.4	17905.6	12428.5	2789.3
61°	7391.9	7362.6	7793.1	8784.9	12607.7	15741.8	16671.6	18074.7	18084.8	13590.4	2921.2
62.5°	5278.8	5362.2	6020.4	7309.7	10559.9	15215.5	16689.6	17848.2	17948.5	15134.4	3262.6
65°	2346.4	2480.5	2992.2	4041.4	6141.0	12657.2	16529.6	17351.2	17301.6	15558.1	4439.2
67.5°	1391.8	1412.1	1666.8	2290.0	3252.5	6808.2	14586.7	16694.1	16627.6	13544.2	5523.4
70°	1096.6	1106.7	1187.8	1436.9	1887.7	2607.9	8325.1	14443.5	14733.2	10982.5	5407.3
72.5°	1040.2	1038.0	1049.2	1093.2	1189.0	1293.8	3223.2	9600.8	10190.3	7909.2	4533.9
75°	1026.7	1022.2	1010.9	994.0	861.0	761.8	998.5	4246.5	4588.0	5403.9	3413.7
77.5°	996.3	997.4	999.6	953.4	738.2	538.7	483.5	1362.5	1675.8	3429.4	2426.4
80°	673.9	684.1	701.0	683.0	663.8	389.9	341.5	484.6	491.4	1924.9	1602.6
82.5°	341.5	341.5	333.6	297.5	257.0	253.6	271.6	351.6	356.1	973.7	754.0
85°	206.2	217.5	222.0	201.7	184.8	170.2	207.4	279.5	289.6	377.5	175.8
87.5°	46.2	47.3	51.8	68.7	100.3	136.4	192.7	255.8	260.3	242.3	21.4
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: GALN-SA4B-850-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	101.4	99.2	98.0	94.7	91.3	87.9	85.7	84.5	85.7	86.8	86.8
5°	100.3	96.9	91.3	85.7	81.1	76.6	72.1	71.0	71.0	72.1	72.1
7.5°	100.3	94.7	86.8	80.0	73.3	66.5	63.1	60.9	62.0	62.0	62.0
10°	100.3	93.5	83.4	73.3	65.4	57.5	51.8	49.6	49.6	49.6	49.6
12.5°	99.2	92.4	80.0	67.6	56.3	47.3	40.6	37.2	38.3	38.3	38.3
15°	96.9	89.0	75.5	57.5	45.1	36.1	29.3	25.9	27.0	29.3	30.4
17.5°	93.5	85.7	67.6	48.5	36.1	27.0	20.3	18.0	19.2	22.5	22.5
20°	92.4	82.3	59.7	39.4	27.0	19.2	13.5	11.3	12.4	16.9	18.0
22.5°	92.4	80.0	54.1	32.7	20.3	12.4	7.9	4.5	4.5	7.9	7.9
25°	93.5	78.9	49.6	27.0	14.7	9.0	4.5	2.3	4.5	12.4	14.7
27.5°	95.8	77.8	47.3	22.5	11.3	7.9	3.4	7.9	13.5	13.5	13.5
30°	98.0	75.5	44.0	19.2	10.1	5.6	5.6	11.3	11.3	13.5	14.7
32.5°	101.4	74.4	41.7	16.9	7.9	4.5	7.9	6.8	6.8	7.9	9.0
35°	108.2	75.5	39.4	16.9	7.9	5.6	6.8	3.4	2.3	2.3	2.3
37.5°	117.2	76.6	36.1	14.7	6.8	6.8	3.4	0.0	0.0	0.0	0.0
40°	131.9	80.0	33.8	13.5	5.6	5.6	1.1	0.0	0.0	0.0	0.0
42.5°	156.7	86.8	32.7	12.4	5.6	4.5	0.0	0.0	0.0	0.0	0.0
45°	206.2	102.6	30.4	11.3	5.6	2.3	0.0	0.0	0.0	0.0	0.0
47.5°	296.4	139.7	29.3	9.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
50°	432.8	189.3	28.2	7.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	552.2	199.5	19.2	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	565.7	137.5	14.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	450.8	89.0	12.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	341.5	67.6	11.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61°	328.0	60.9	11.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	361.8	53.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	588.3	44.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1022.2	38.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1291.5	36.1	6.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1125.9	32.7	6.8	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	677.3	28.2	6.8	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	355.0	21.4	6.8	5.6	3.4	1.1	0.0	0.0	0.0	0.0	0.0
80°	172.4	19.2	7.9	5.6	4.5	2.3	0.0	0.0	0.0	0.0	0.0
82.5°	67.6	15.8	9.0	7.9	5.6	3.4	1.1	0.0	0.0	0.0	0.0
85°	30.4	13.5	10.1	9.0	7.9	4.5	1.1	0.0	0.0	0.0	0.0
87.5°	15.8	12.4	11.3	10.1	7.9	5.6	2.3	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: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

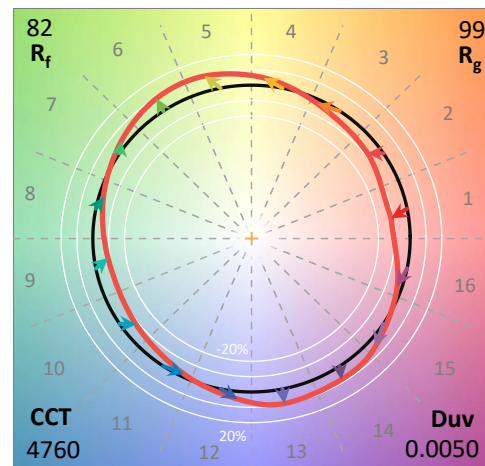
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-12
 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-850-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4760
 CIE u' : 0.2107
 CIE v' : 0.4939
 Duv: 0.0050
 CIE x: 0.3537
 CIE y: 0.3685
 CIE z: 0.2779
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 571
 Purity: 16.69598
 R_f: 82
 R_g: 99.4

CRI (Ra): 81.1
 R1: 79.8
 R2: 83.5
 R3: 87.9
 R4: 83.1
 R5: 80.5
 R6: 79.1
 R7: 86.1
 R8: 69.0
 R9: 8.7
 R10: 62.4
 R11: 83.8
 R12: 63.0
 R13: 79.9
 R14: 93.3
 R15: 72.7



Test Conditions

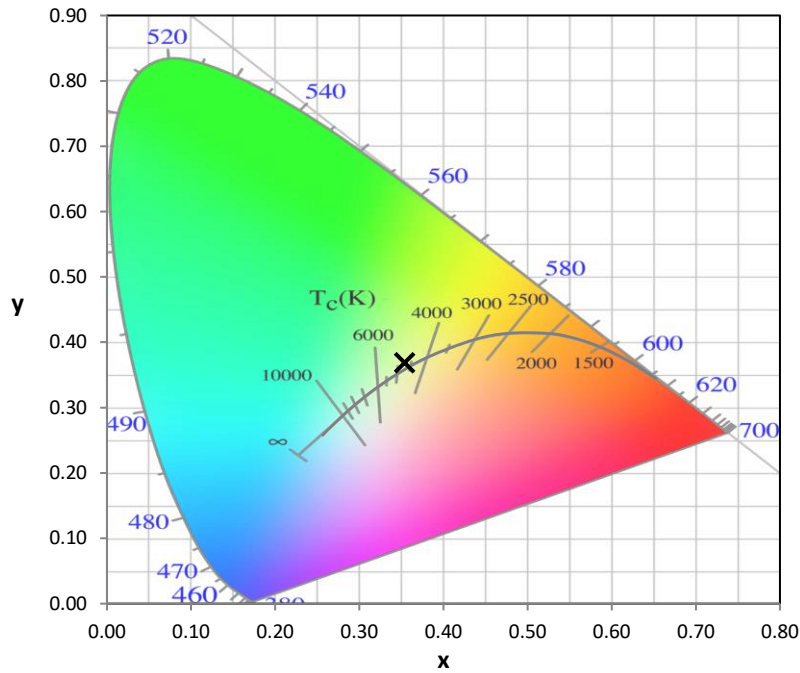
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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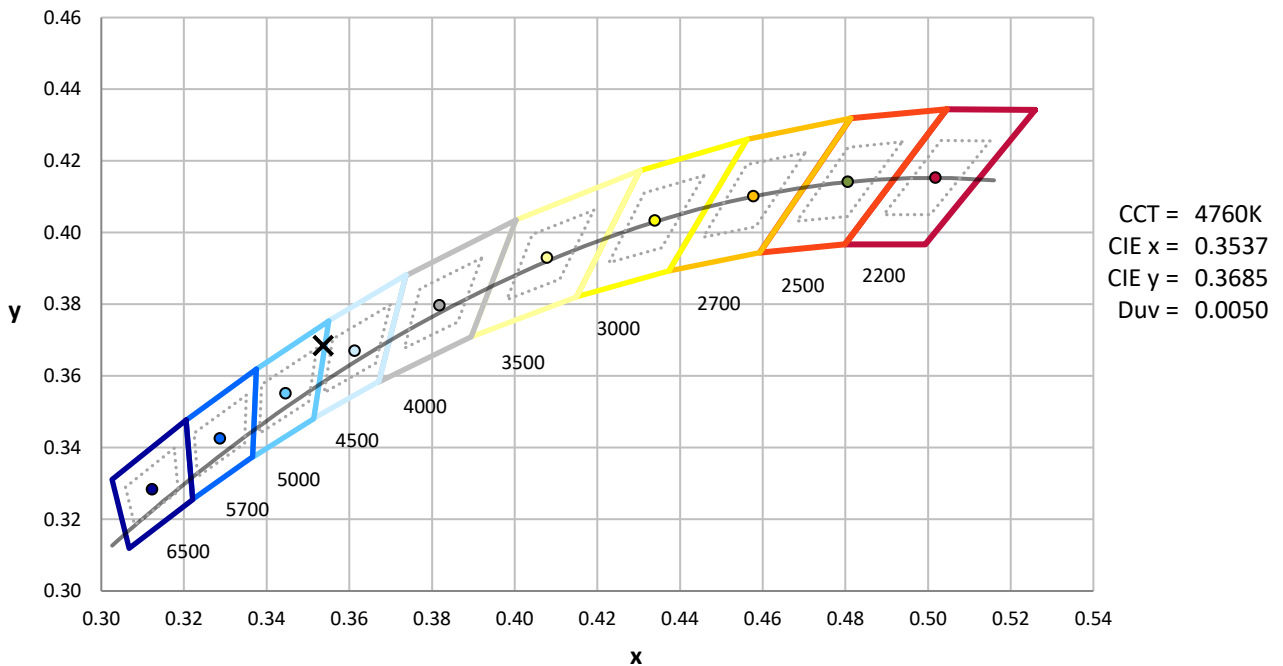
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



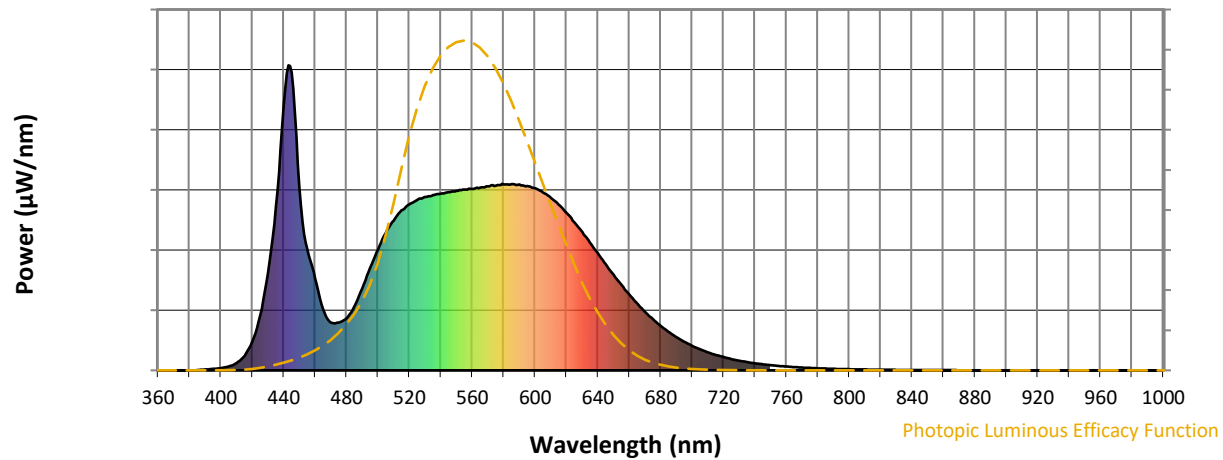
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

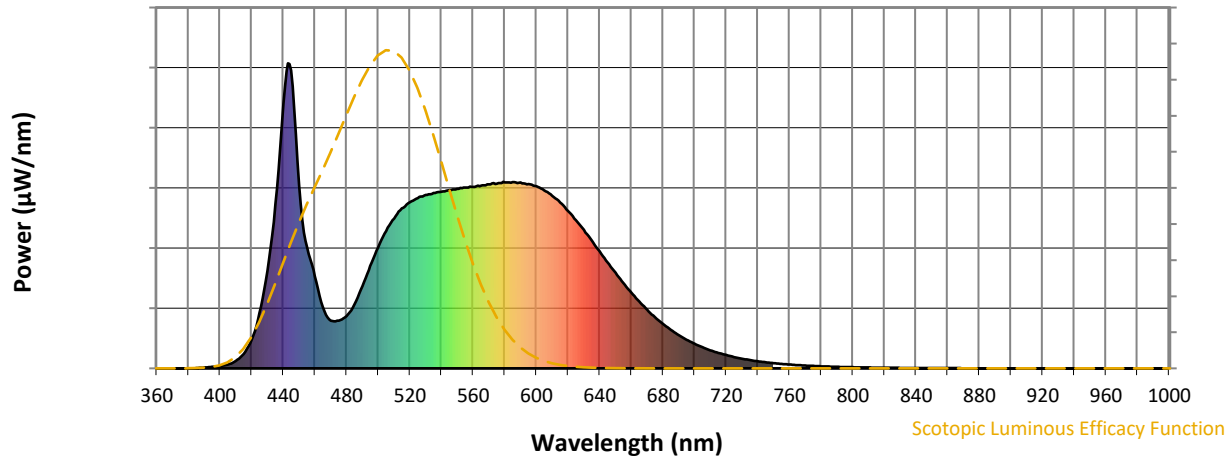


Photopic Lumens: NR

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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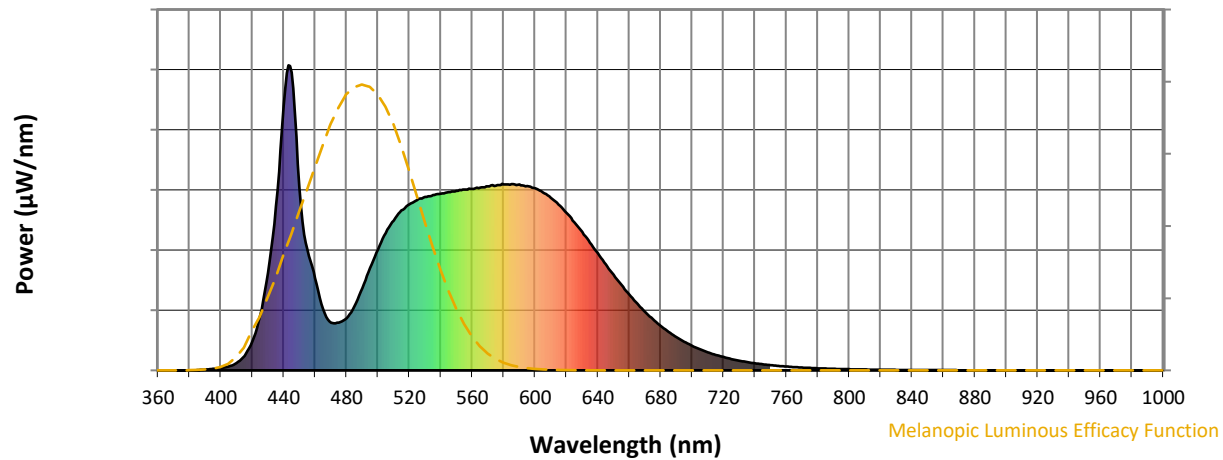
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.83

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	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.74

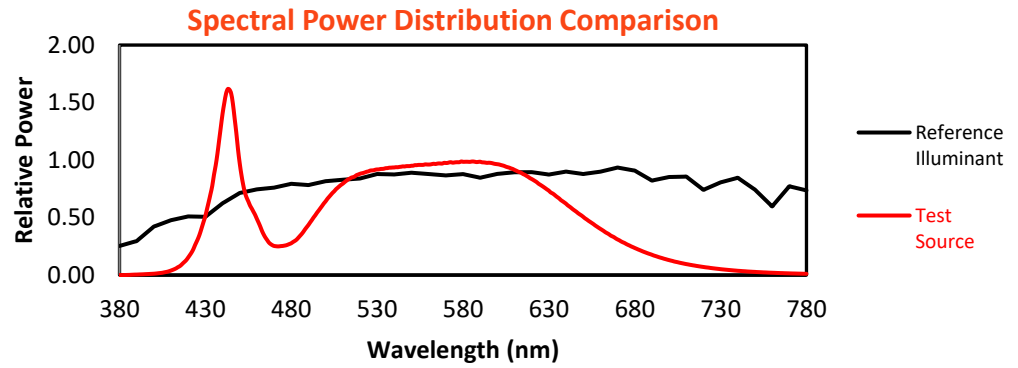
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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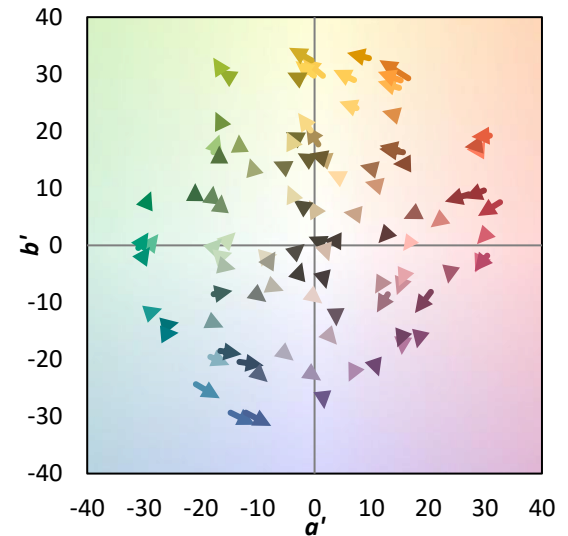
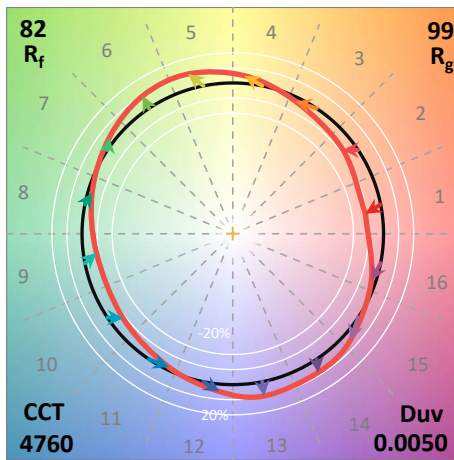
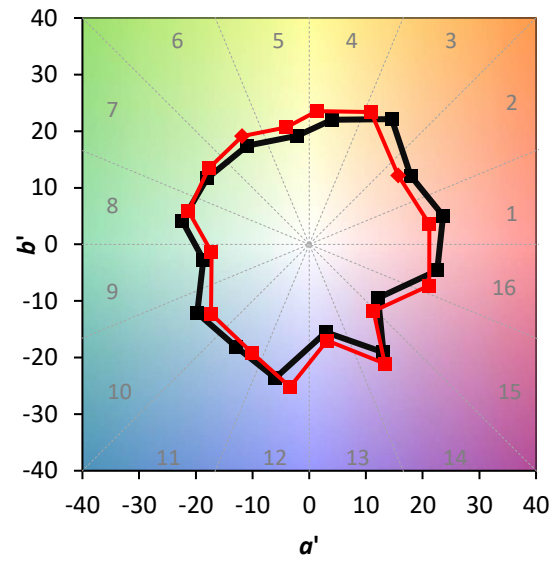
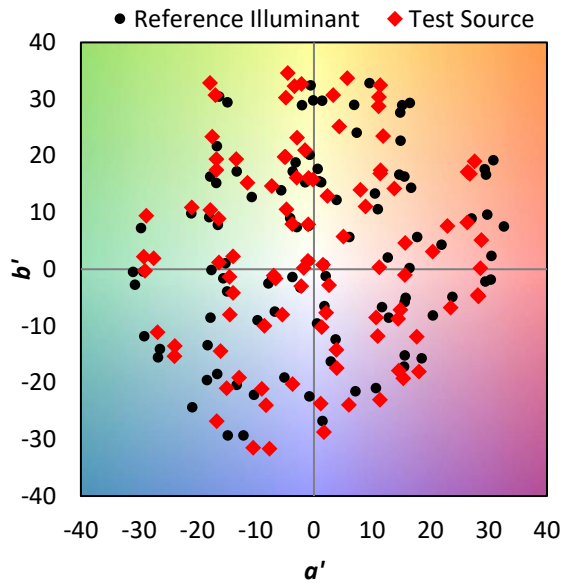
TM-30-18

Summary

$R_f = 82$
 $R_g = 99.4$
 $CIE R_a = 81.1$
 $R_9 = 8.7$

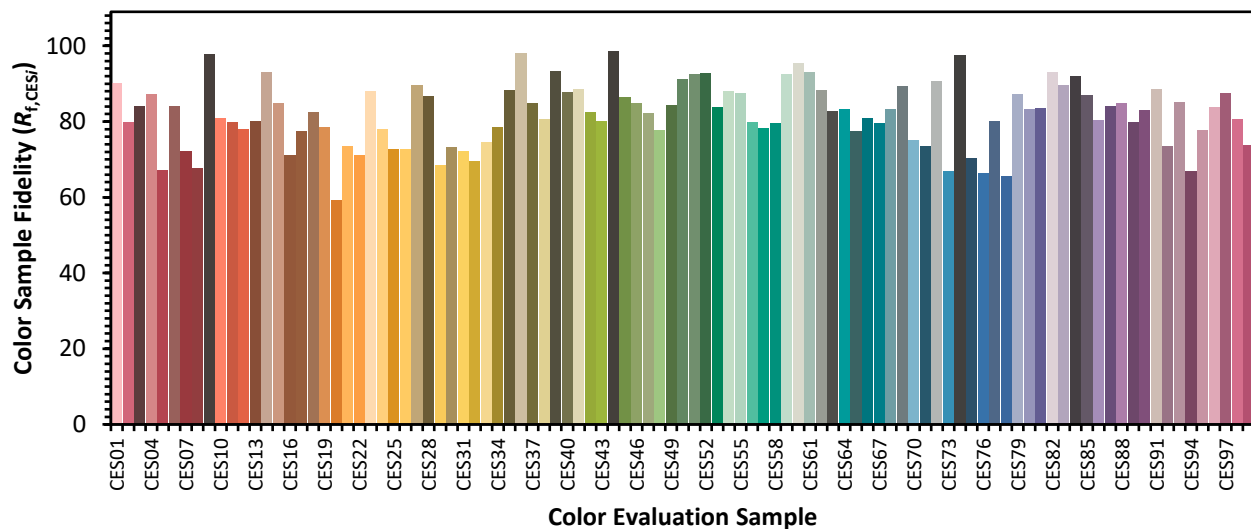


Color Vector Graphics

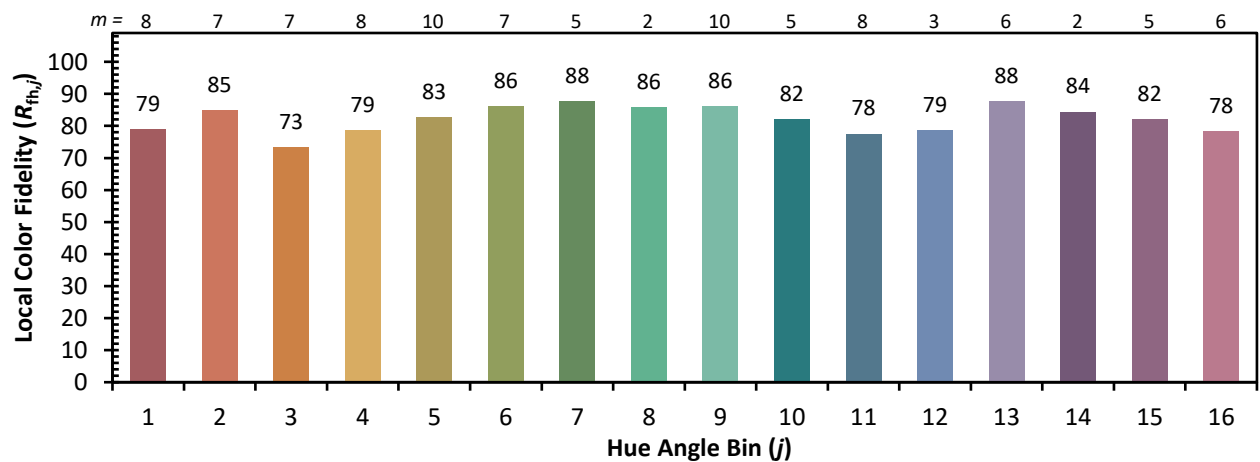
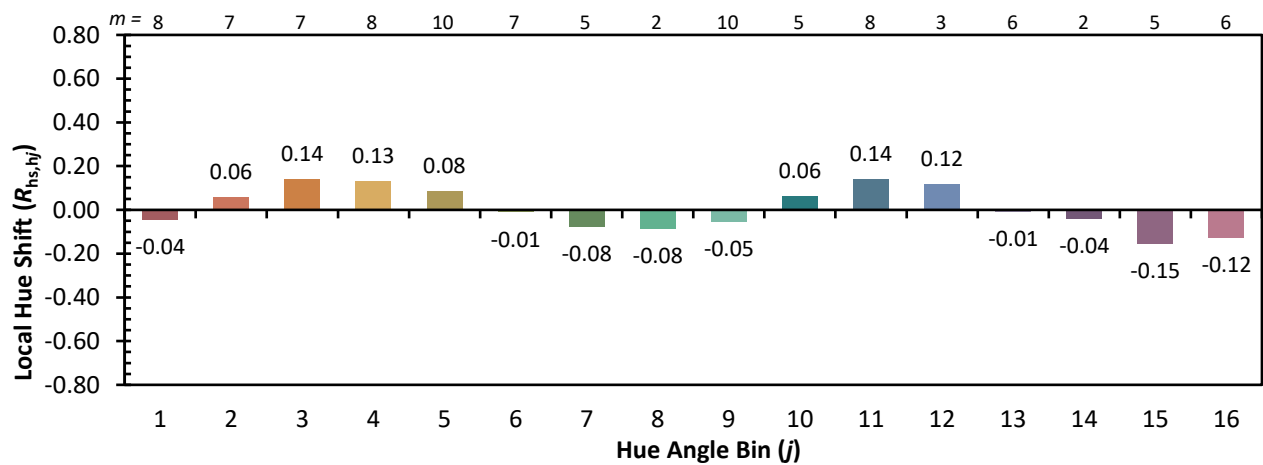
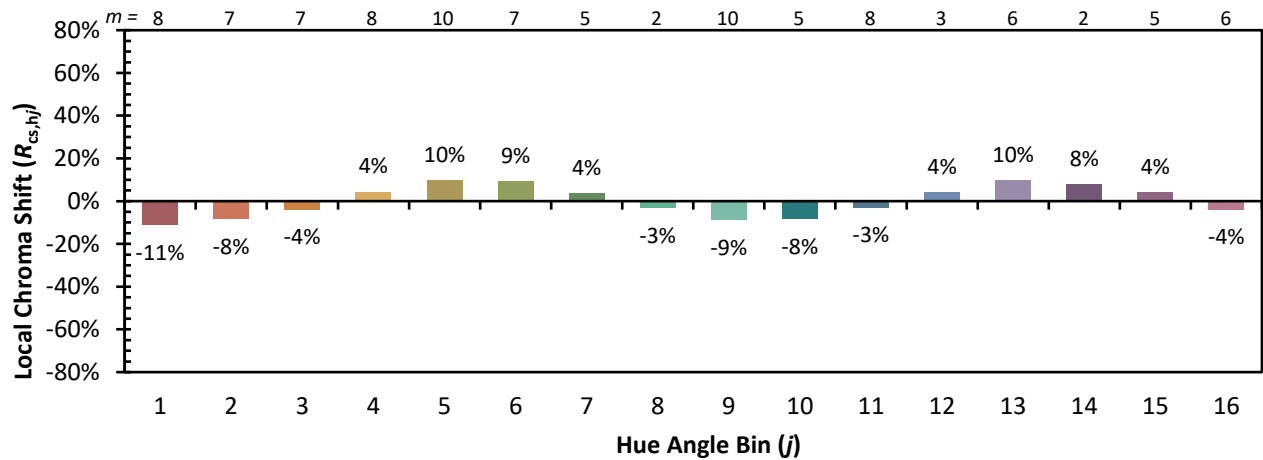


Individual Sample Fidelity Index ($R_{f,i}$)

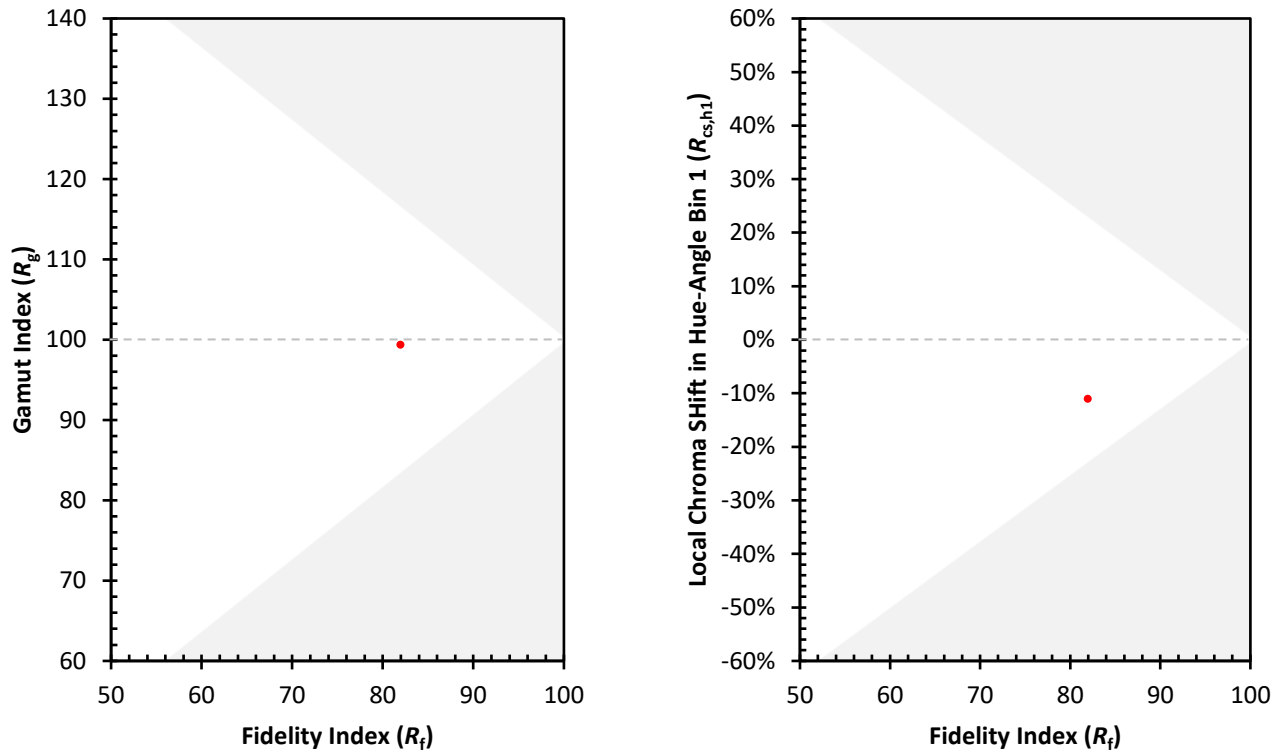
CES01 = 85	CES26 = 73	CES51 = 92	CES76 = 66
CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
CES25 = 71	CES50 = 91	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)