

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: P1048253

Luminaire Tested: **GALN-SA5A-740-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048253
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-740-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18030 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 136.6
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

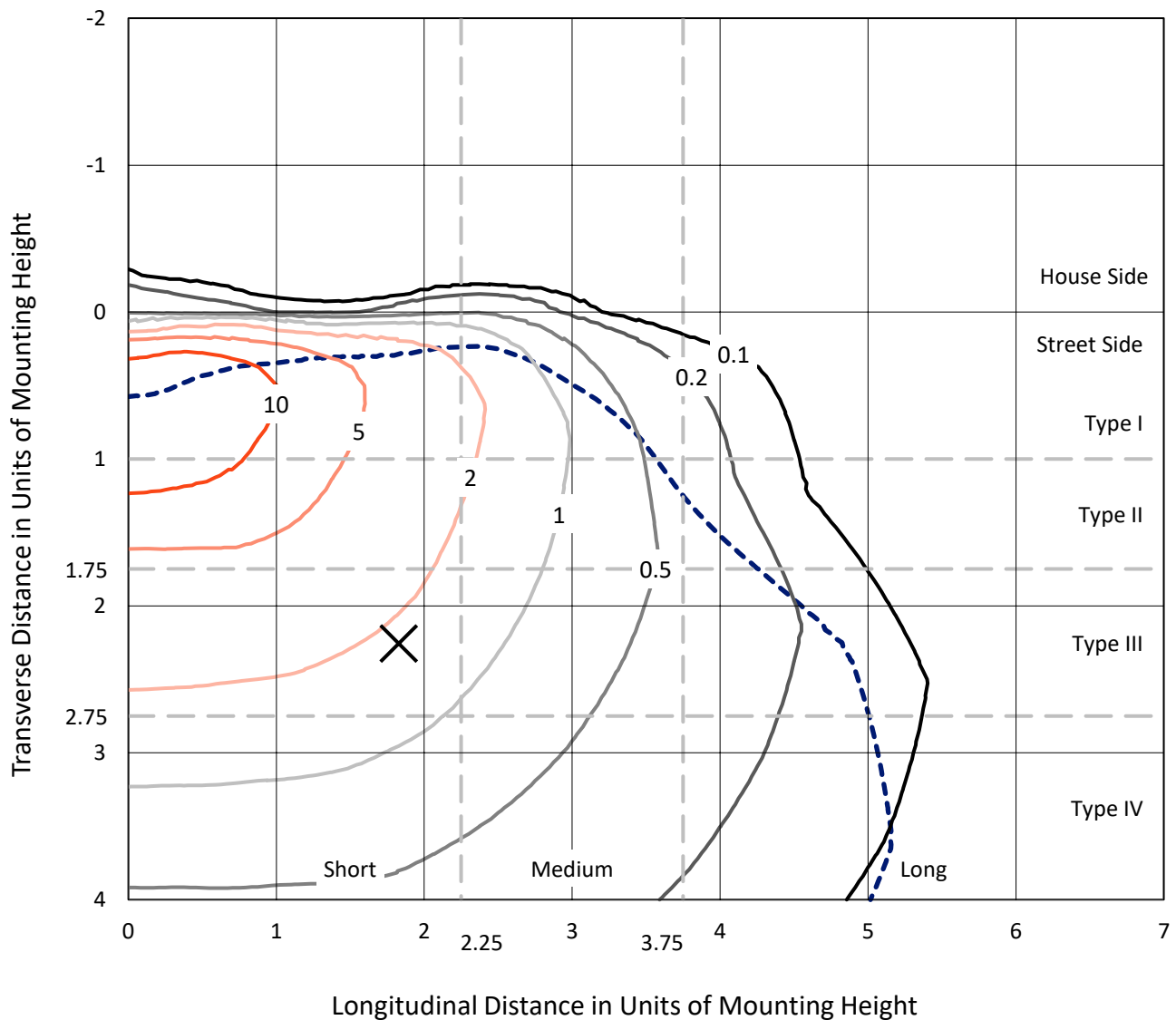


REPORT NUMBER: P1048253

CATALOG NUMBER: GALN-SA5A-740-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

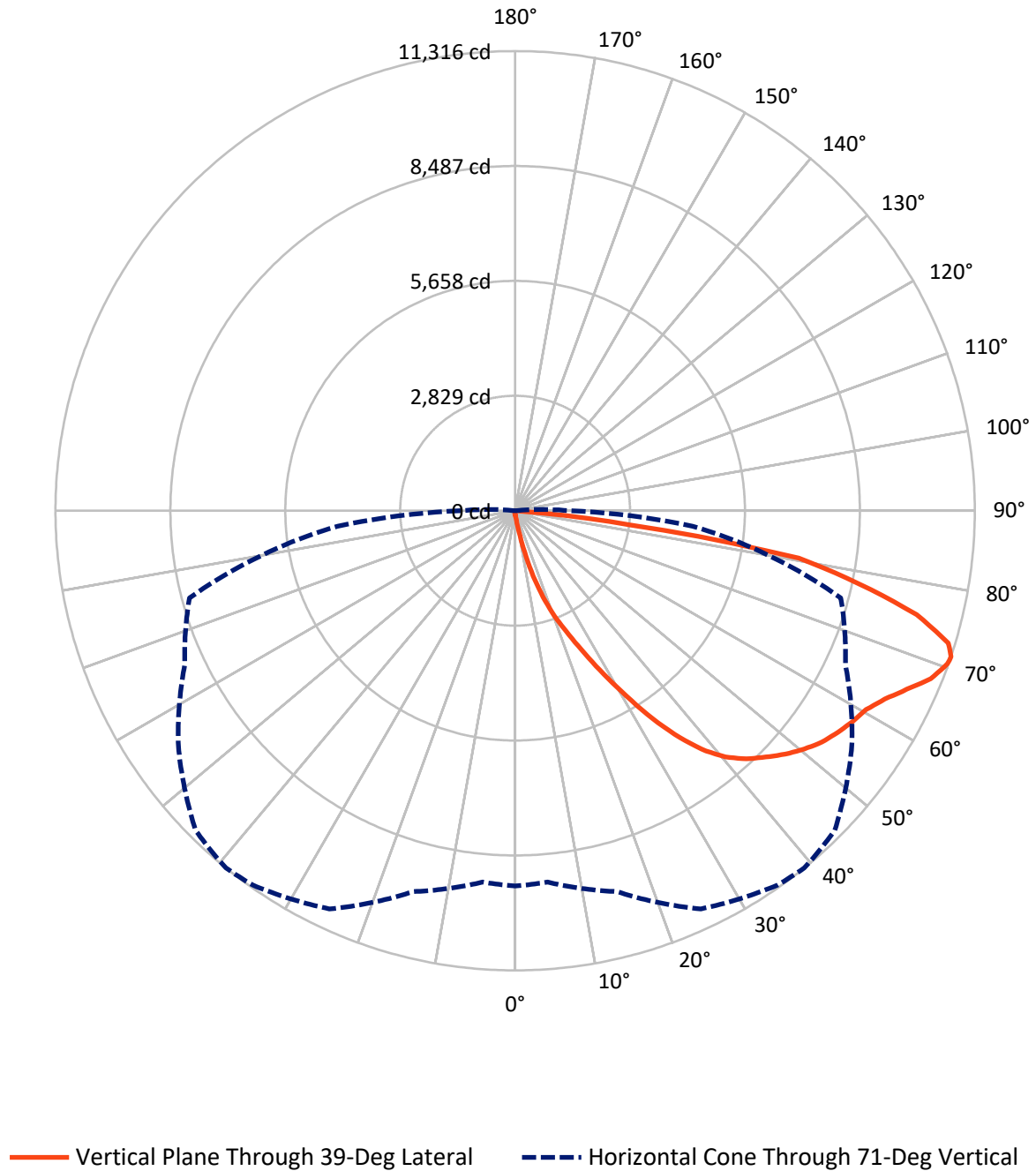


Based on 15 foot mounting height. Maximum calculated value = 18.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048253

CATALOG NUMBER: GALN-SA5A-740-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048253

CATALOG NUMBER: GALN-SA5A-740-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.1	0.0	64.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17965.9	0.0	17965.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	18030.0	0.0	18030.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.1
10°-20°	192.7	1.1
20°-30°	686.3	3.8
30°-40°	1654.0	9.2
40°-50°	2768.0	15.4
50°-60°	3555.2	19.7
60°-70°	4499.1	25.0
70°-80°	4011.2	22.2
80°-90°	648.4	3.6
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°	18030.0	100.0
0°-180°	18030.0	100.0



REPORT NUMBER: P1048253

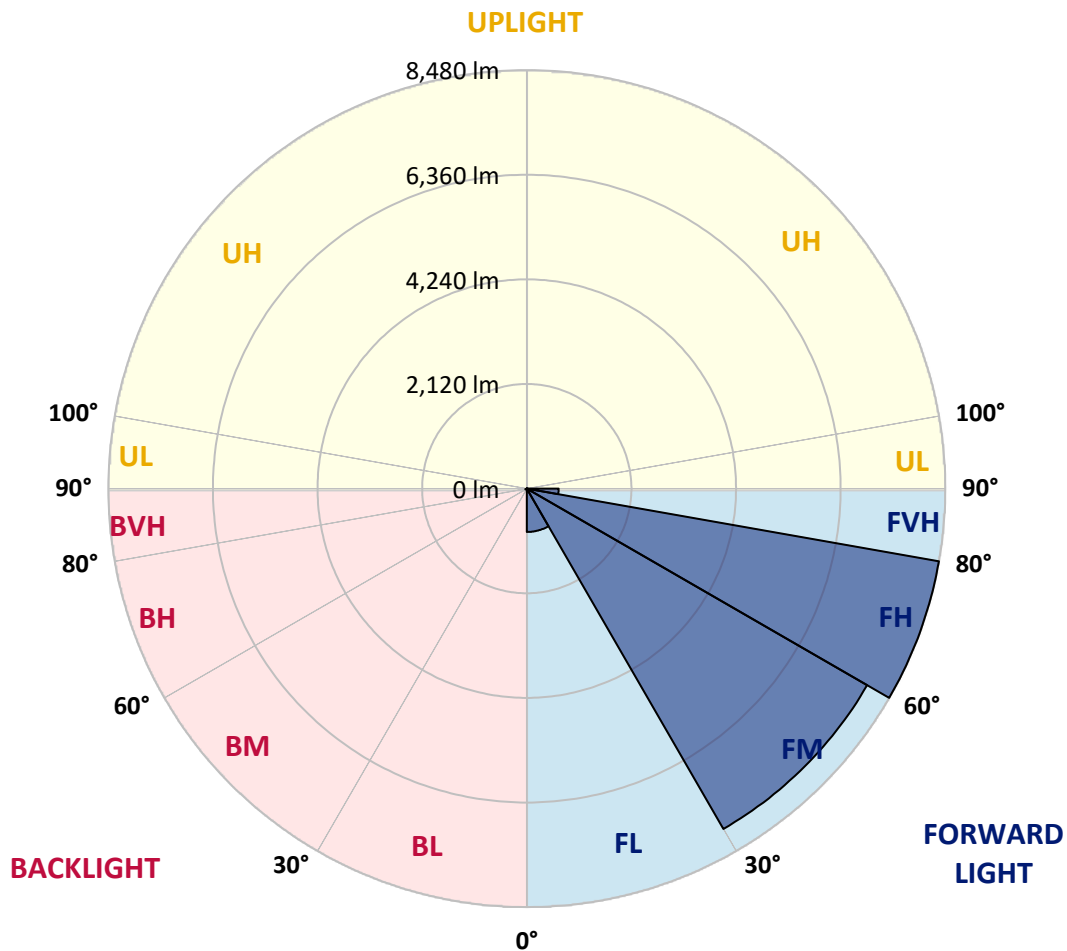
CATALOG NUMBER: GALN-SA5A-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	878.5	4.9			
FM	(30°-60°)	7962.4	44.2			
FH	(60°-80°)	8479.5	47.0			G4/12000
FVH	(80°-90°)	645.4	3.6			G4/750
BL	(0°-30°)	15.5	0.1	B0/110		
BM	(30°-60°)	14.8	0.1	B0/220		
BH	(60°-80°)	30.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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-G4

Type IV Short





REPORT NUMBER: P1048253

CATALOG NUMBER: GALN-SA5A-740-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	113.5	113.5	113.5	109.8	109.8	108.6	107.4	107.4	105.0	103.7	101.3
5°	172.1	168.4	159.9	155.0	145.2	139.1	133.0	124.5	116.0	109.8	102.5
7.5°	389.4	397.9	369.8	317.3	263.6	240.4	201.4	162.3	134.3	116.0	103.7
10°	992.3	987.4	892.2	787.2	607.8	535.8	419.9	264.9	173.3	126.9	105.0
12.5°	1688.0	1683.1	1570.8	1428.0	1191.2	1041.1	821.4	494.3	249.0	144.0	105.0
15°	2272.6	2253.1	2217.7	2076.1	1799.1	1673.4	1382.9	873.9	402.8	173.3	107.4
17.5°	2659.5	2642.5	2609.5	2558.2	2382.5	2233.6	2000.5	1373.1	651.8	224.6	112.3
20°	3014.7	3002.5	2975.7	2965.9	2852.4	2773.1	2580.2	1946.8	1015.5	305.1	119.6
22.5°	3502.9	3477.3	3488.3	3429.7	3318.6	3223.4	3105.0	2547.3	1459.8	439.4	133.0
25°	4101.0	4088.8	4058.3	4016.8	3863.0	3780.0	3598.1	3113.6	1956.5	615.1	147.7
27.5°	4823.5	4810.1	4802.8	4707.6	4530.6	4440.3	4186.4	3648.2	2515.5	861.7	167.2
30°	5656.0	5662.1	5614.5	5492.4	5286.1	5159.2	4898.0	4208.4	3087.9	1151.0	188.0
32.5°	6517.6	6505.4	6432.2	6288.2	6103.9	5985.5	5653.5	4822.3	3688.5	1533.0	212.4
35°	7446.5	7423.3	7230.4	7065.7	6908.2	6759.3	6456.6	5535.1	4289.0	1961.4	245.3
37.5°	8383.8	8275.2	7888.3	7679.6	7571.0	7448.9	7167.0	6295.5	4885.8	2439.8	285.6
40°	9091.8	9007.5	8548.6	8164.1	8077.5	7973.7	7763.8	6952.2	5520.5	2953.7	334.4
42.5°	9483.5	9437.2	9024.6	8645.0	8441.2	8349.7	8170.2	7525.8	6147.8	3521.2	405.2
45°	9650.8	9578.7	9302.9	9125.9	8801.3	8649.9	8436.3	7959.1	6803.3	4165.7	504.1
47.5°	9599.5	9558.0	9360.3	9425.0	9189.4	8953.8	8640.2	8291.1	7363.5	4905.3	639.6
50°	9277.3	9241.9	9180.9	9531.1	9501.9	9223.6	8903.8	8553.5	7821.2	5668.2	849.5
52.5°	8664.6	8649.9	8806.1	9448.1	9678.8	9461.6	9157.7	8785.4	8248.4	6465.2	1149.7
55°	7874.9	7934.7	8381.4	9318.8	9769.1	9637.3	9382.2	9002.7	8591.3	7178.0	1592.8
57.5°	7550.2	7566.1	8123.9	9227.2	9809.4	9792.3	9600.7	9210.1	8906.2	7747.9	2269.0
60°	7929.8	7905.4	8199.5	9296.8	9890.0	9931.5	9794.8	9403.0	9179.6	8237.4	3169.7
62.5°	8615.7	8602.3	8696.3	9593.4	10125.5	10209.8	10064.5	9542.1	9421.3	8559.6	4197.4
65°	9228.5	9200.4	9374.9	10119.4	10539.3	10599.1	10472.2	9780.1	9527.5	8793.9	5162.9
67.5°	9493.3	9487.2	9767.9	10619.9	10973.8	11038.5	10927.4	10108.5	9503.1	8868.4	5588.8
70°	9372.5	9349.3	9798.4	10832.2	11219.1	11292.4	11185.0	10230.5	9238.2	8632.8	4957.8
71°	9239.4	9177.2	9706.9	10817.6	11253.3	11315.6	11127.6	10119.4	8972.1	8298.4	4385.4
72.5°	8826.9	8837.9	9455.5	10665.0	11171.5	11153.2	10802.9	9721.5	8651.1	7539.2	3522.5
75°	7811.4	7876.1	8641.4	10024.2	10441.7	10208.5	9672.7	8961.2	8006.7	5405.7	2445.9
77.5°	6383.4	6479.8	7320.8	8791.5	8673.1	8649.9	8627.9	7895.6	6837.4	2903.6	1701.4
80°	3047.7	3256.4	4415.9	6276.0	6817.9	7080.3	6915.5	6362.6	5287.3	1382.9	1016.7
82.5°	198.9	196.5	278.3	527.3	2222.6	2873.1	4564.8	4547.7	3686.0	673.7	415.0
85°	94.0	96.4	106.2	120.8	140.4	153.8	212.4	1244.9	1763.7	321.0	90.3
87.5°	54.9	56.1	65.9	84.2	109.8	122.1	145.2	186.7	229.5	177.0	19.5
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: P1048253

CATALOG NUMBER: GALN-SA5A-740-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.5°	100.1	98.9	95.2	91.5	87.9	85.4	84.2	85.4	85.4	86.7	86.7
5°	100.1	96.4	90.3	83.0	78.1	73.2	70.8	69.6	70.8	70.8	70.8
7.5°	98.9	92.8	84.2	75.7	69.6	63.5	61.0	59.8	59.8	61.0	61.0
10°	96.4	90.3	79.3	69.6	62.2	54.9	51.3	47.6	47.6	47.6	48.8
12.5°	95.2	86.7	73.2	63.5	53.7	45.2	37.8	34.2	35.4	35.4	35.4
15°	92.8	83.0	69.6	57.4	45.2	34.2	28.1	24.4	25.6	26.9	25.6
17.5°	92.8	81.8	64.7	50.0	35.4	25.6	20.7	18.3	18.3	19.5	19.5
20°	92.8	79.3	61.0	42.7	26.9	19.5	14.6	13.4	13.4	15.9	17.1
22.5°	95.2	79.3	56.1	35.4	22.0	14.6	11.0	9.8	11.0	13.4	14.6
25°	98.9	78.1	51.3	31.7	18.3	11.0	8.5	6.1	7.3	9.8	11.0
27.5°	102.5	76.9	46.4	28.1	14.6	8.5	6.1	4.9	3.7	4.9	4.9
30°	106.2	76.9	41.5	23.2	12.2	6.1	3.7	2.4	1.2	0.0	0.0
32.5°	108.6	74.5	37.8	18.3	9.8	4.9	2.4	1.2	0.0	0.0	0.0
35°	111.1	72.0	33.0	14.6	7.3	3.7	1.2	0.0	0.0	0.0	0.0
37.5°	113.5	68.3	28.1	12.2	6.1	2.4	0.0	0.0	0.0	0.0	0.0
40°	116.0	63.5	23.2	11.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	118.4	59.8	19.5	8.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	124.5	57.4	15.9	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	135.5	54.9	14.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	151.3	52.5	13.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	173.3	51.3	12.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	212.4	50.0	11.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	279.5	48.8	11.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	428.4	46.4	11.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	765.3	45.2	9.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1334.0	46.4	9.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1912.6	48.8	8.5	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1636.7	42.7	8.5	4.9	2.4	1.2	0.0	0.0	0.0	0.0	0.0
71°	1334.0	37.8	8.5	4.9	2.4	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	858.0	29.3	7.3	4.9	2.4	2.4	1.2	0.0	0.0	0.0	0.0
75°	362.5	24.4	7.3	4.9	3.7	2.4	2.4	1.2	0.0	0.0	0.0
77.5°	155.0	18.3	7.3	6.1	4.9	3.7	3.7	2.4	1.2	0.0	0.0
80°	58.6	14.6	8.5	7.3	6.1	6.1	4.9	2.4	1.2	0.0	0.0
82.5°	26.9	12.2	8.5	7.3	7.3	6.1	4.9	3.7	2.4	0.0	0.0
85°	17.1	11.0	8.5	7.3	7.3	6.1	6.1	3.7	2.4	0.0	0.0
87.5°	13.4	11.0	8.5	8.5	7.3	7.3	4.9	3.7	1.2	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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

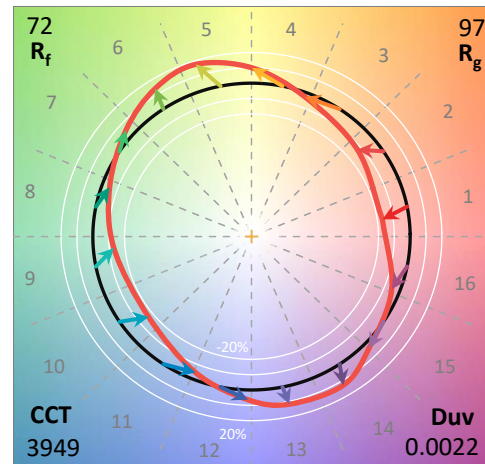
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

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: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength

Melanopic Lumens: NR
M/P: 2.78

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

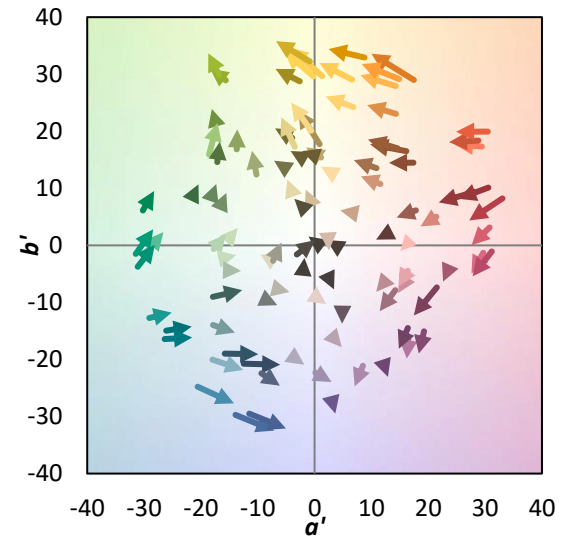
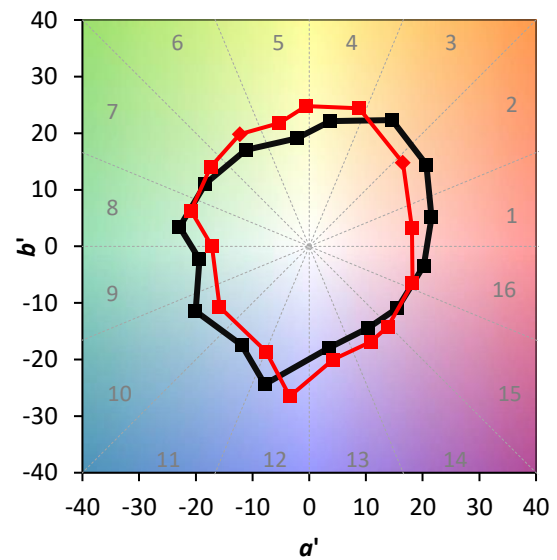
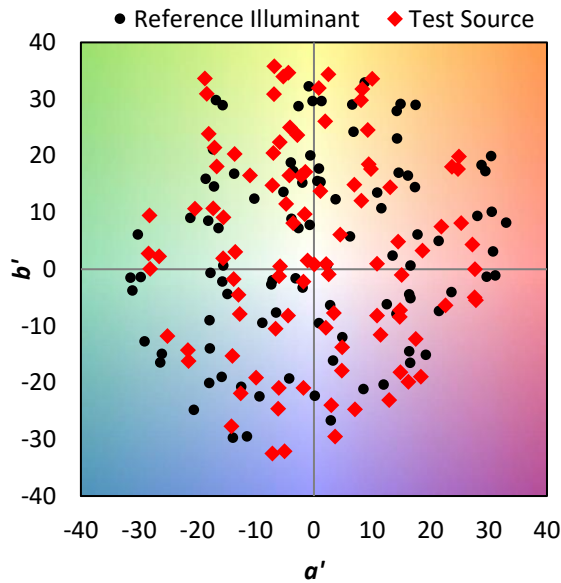
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$



Color Vector Graphics

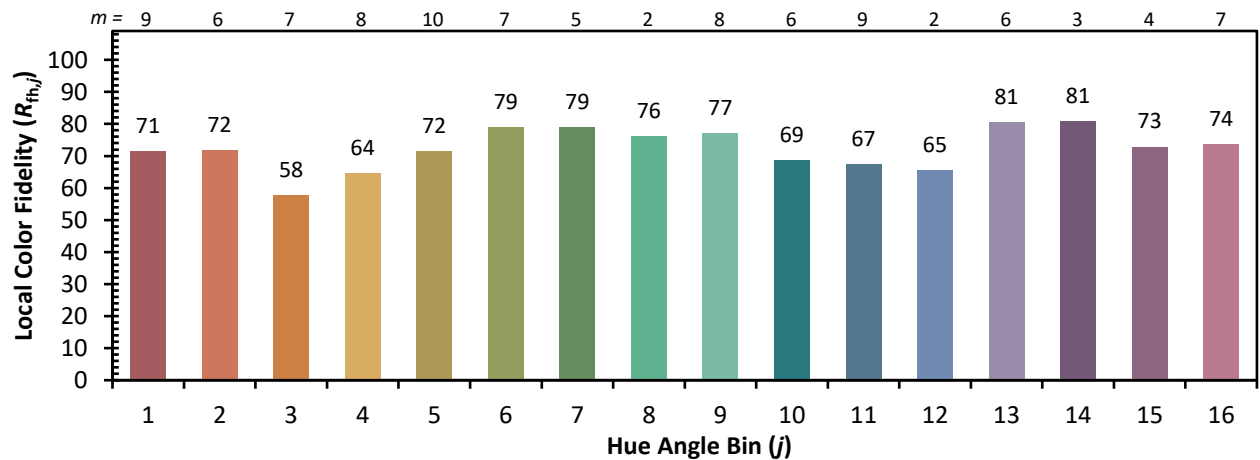


Individual Sample Fidelity Index ($R_{f,i}$)

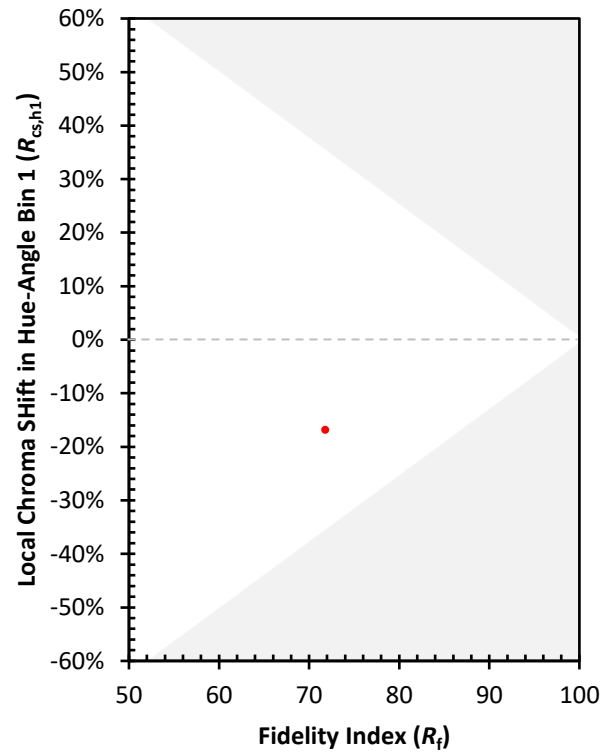
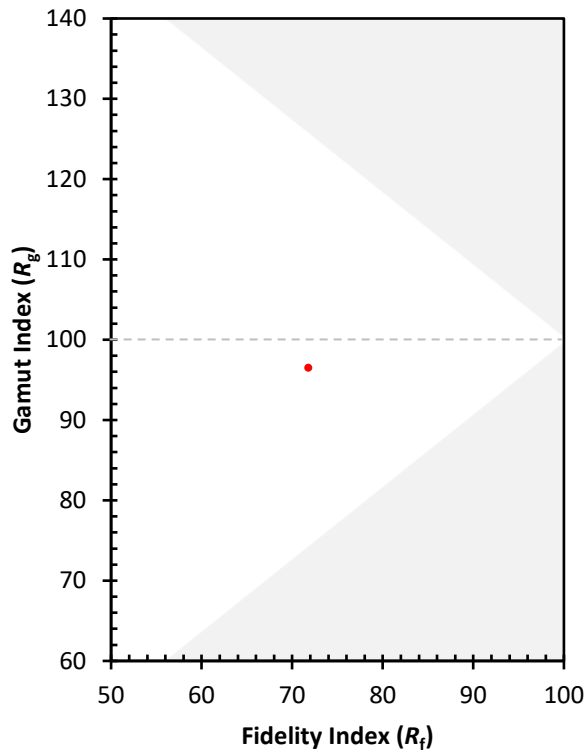
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)