

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: LUMARK

Report Number: P1067397

Luminaire Tested: **NAV-SA3A-740-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067397
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3A-740-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10709 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 82
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

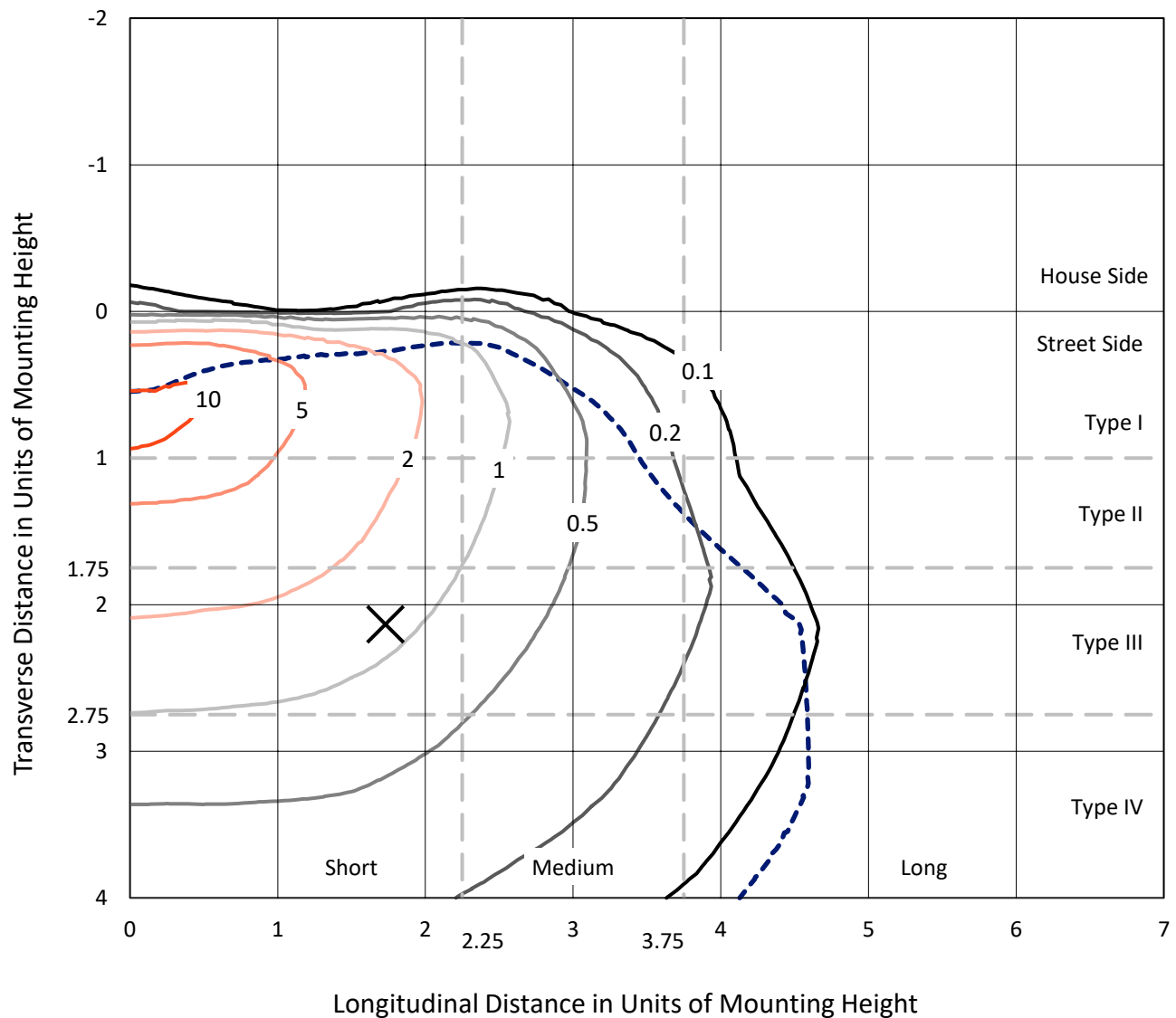


REPORT NUMBER: P1067397

CATALOG NUMBER: NAV-SA3A-740-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

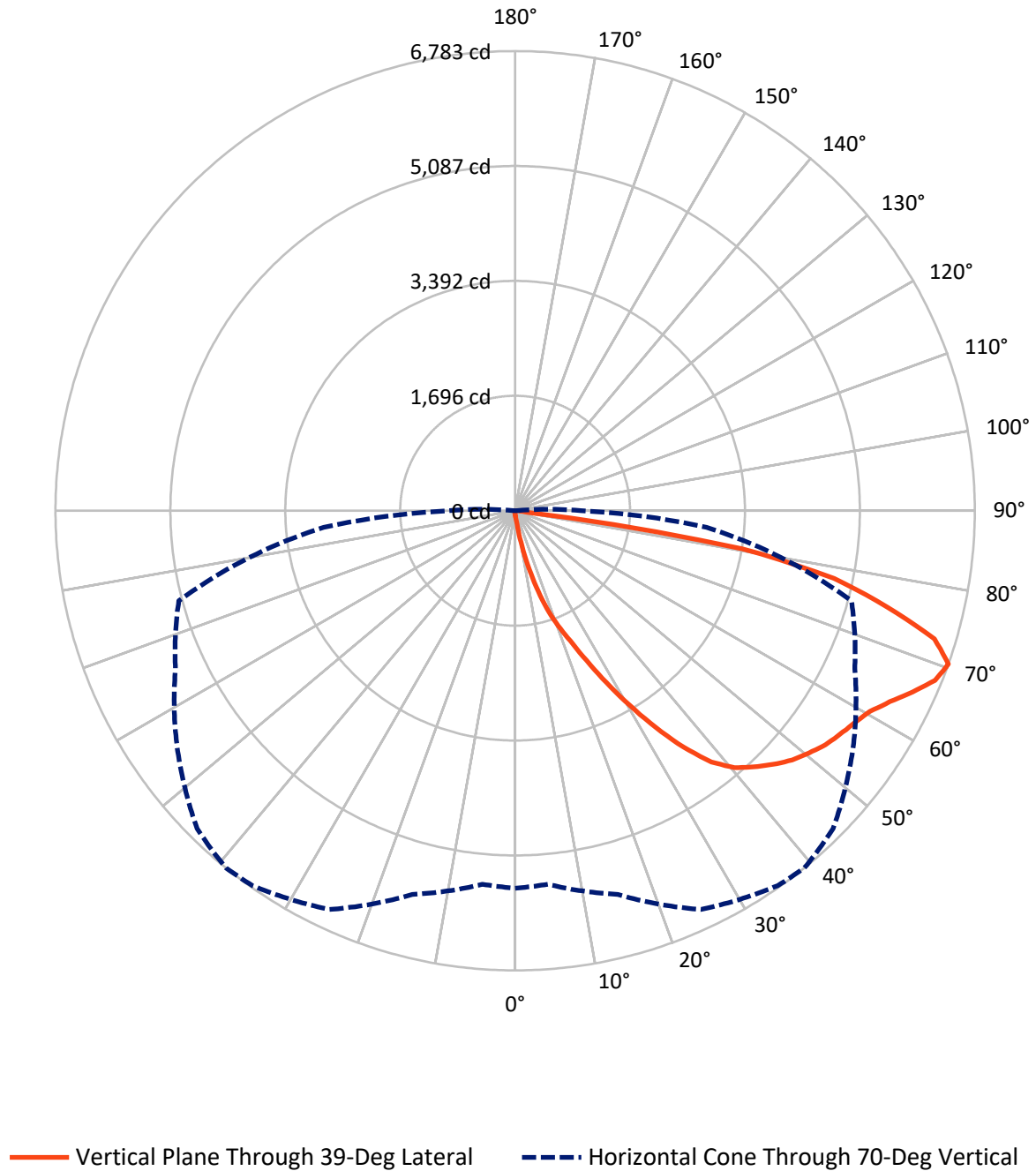


Based on 15 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067397

CATALOG NUMBER: NAV-SA3A-740-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067397

CATALOG NUMBER: NAV-SA3A-740-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.0	0.0	33.0
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	10676.0	0.0	10676.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	10709.0	0.0	10709.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	131.7	1.2
20°-30°	446.8	4.2
30°-40°	1050.0	9.8
40°-50°	1705.0	15.9
50°-60°	2160.5	20.2
60°-70°	2744.4	25.6
70°-80°	2229.8	20.8
80°-90°	229.6	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°	10709.0	100.0
0°-180°	10709.0	100.0



REPORT NUMBER: P1067397

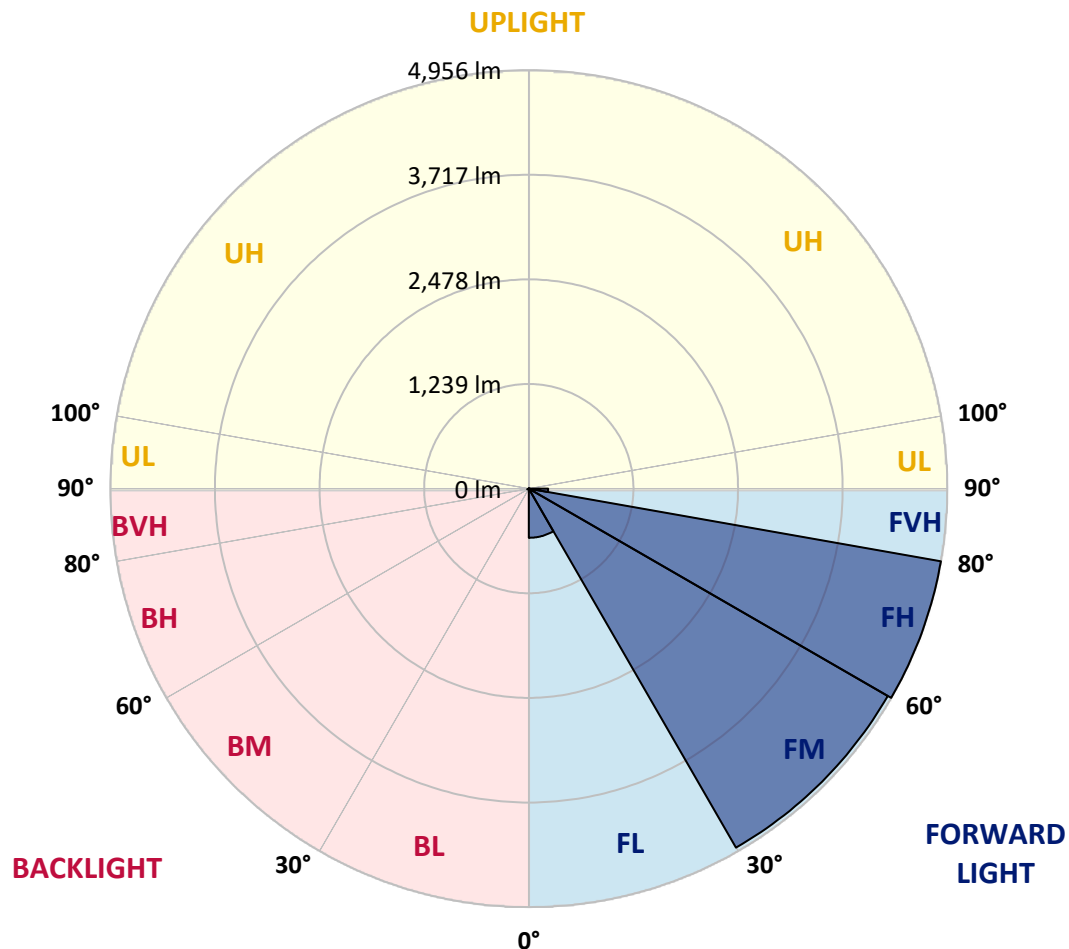
CATALOG NUMBER: NAV-SA3A-740-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	582.5	5.4			
FM	(30°-60°)	4909.1	45.8			
FH	(60°-80°)	4956.1	46.3			G2/5000
FVH	(80°-90°)	228.2	2.1			G3/500
BL	(0°-30°)	7.1	0.1	B0/110		
BM	(30°-60°)	6.3	0.1	B0/220		
BH	(60°-80°)	18.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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 IV Short



REPORT NUMBER: P1067397

CATALOG NUMBER: NAV-SA3A-740-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
2.5°	75.6	75.6	75.6	72.7	72.7	69.8	69.8	66.9	64.0	64.0	61.1
5°	142.5	145.4	136.7	119.2	107.6	101.8	95.9	81.4	72.7	66.9	61.1
7.5°	389.6	378.0	360.5	302.4	232.6	197.7	168.6	119.2	87.2	69.8	61.1
10°	819.9	787.9	738.5	660.0	523.3	468.1	363.4	218.1	122.1	78.5	61.1
12.5°	1203.7	1209.5	1148.4	1072.9	907.1	814.1	671.6	410.0	191.9	93.0	61.1
15°	1494.4	1488.6	1465.4	1404.3	1256.0	1165.9	1038.0	689.1	322.7	116.3	64.0
17.5°	1724.1	1700.9	1692.1	1666.0	1570.0	1520.6	1381.0	1014.7	511.7	157.0	66.9
20°	1953.8	1948.0	1939.3	1910.2	1846.2	1811.3	1703.8	1343.2	761.8	223.9	72.7
22.5°	2288.2	2256.2	2262.0	2198.0	2145.7	2084.6	1997.4	1692.1	1049.6	319.8	81.4
25°	2680.7	2677.8	2631.2	2602.2	2514.9	2448.1	2331.8	2029.4	1369.4	462.3	90.1
27.5°	3143.0	3111.0	3090.6	3041.2	2951.1	2875.5	2715.6	2363.8	1715.4	622.2	101.8
30°	3625.6	3625.6	3587.8	3512.2	3425.0	3331.9	3169.1	2715.6	2058.5	825.7	116.3
32.5°	4189.6	4201.3	4108.2	3994.8	3881.5	3817.5	3605.2	3113.9	2387.0	1058.3	133.7
35°	4736.2	4721.7	4567.6	4442.6	4358.3	4288.5	4108.2	3550.0	2759.2	1328.7	157.0
37.5°	5259.6	5221.8	4965.9	4788.6	4750.8	4704.3	4524.0	3986.1	3128.4	1628.2	186.1
40°	5634.6	5576.5	5311.9	5067.7	5012.5	4986.3	4846.7	4381.5	3518.0	1962.5	223.9
42.5°	5797.5	5730.6	5547.4	5349.7	5227.6	5166.5	5044.4	4704.3	3907.6	2334.7	279.1
45°	5829.4	5777.1	5646.3	5599.8	5434.0	5341.0	5175.3	4934.0	4271.1	2703.9	354.7
47.5°	5713.1	5689.9	5611.4	5710.2	5625.9	5498.0	5297.4	5105.5	4593.8	3151.7	459.4
50°	5428.2	5410.8	5448.6	5707.3	5765.5	5620.1	5431.1	5239.2	4872.9	3614.0	607.7
52.5°	5044.4	5041.5	5218.9	5631.7	5826.5	5736.4	5562.0	5373.0	5093.9	4061.7	817.0
55°	4625.8	4675.2	4986.3	5562.0	5861.4	5820.7	5689.9	5492.2	5291.6	4477.5	1154.3
57.5°	4590.9	4570.5	4870.0	5532.9	5881.8	5905.0	5817.8	5617.2	5460.2	4817.7	1604.9
60°	4939.8	4893.2	5006.6	5593.9	5971.9	6012.6	5945.7	5713.1	5628.8	5085.1	2198.0
62.5°	5343.9	5300.3	5358.4	5829.4	6149.3	6207.4	6123.1	5812.0	5765.5	5271.2	2834.8
65°	5666.6	5631.7	5742.2	6181.2	6396.4	6445.8	6387.7	5995.2	5826.5	5422.4	3352.3
67.5°	5719.0	5675.4	5905.0	6416.8	6646.4	6681.3	6634.8	6172.5	5806.2	5434.0	3471.5
70°	5570.7	5532.9	5861.4	6492.3	6754.0	6783.1	6634.8	6088.2	5530.0	5137.5	2837.7
72.5°	5114.2	5143.3	5567.8	6309.2	6605.7	6472.0	6158.0	5663.7	5172.4	4355.4	1991.6
75°	4404.8	4436.8	5000.8	5806.2	5829.4	5666.6	5498.0	5210.2	4628.7	2869.7	1381.0
77.5°	3131.3	3017.9	3861.1	4794.4	4710.1	4814.7	4829.3	4335.0	3875.6	1494.4	924.6
80°	308.2	261.7	485.5	1375.2	3038.3	3395.9	3535.5	3340.7	2858.0	668.7	485.5
82.5°	66.9	66.9	72.7	78.5	122.1	183.2	840.3	2058.5	1846.2	340.2	157.0
85°	37.8	37.8	46.5	55.2	72.7	81.4	95.9	127.9	497.2	122.1	29.1
87.5°	29.1	32.0	37.8	46.5	61.1	66.9	81.4	101.8	125.0	113.4	8.7
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: P1067397

CATALOG NUMBER: NAV-SA3A-740-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
2.5°	61.1	58.1	55.2	52.3	49.4	49.4	46.5	46.5	46.5	46.5	46.5
5°	58.1	55.2	52.3	46.5	43.6	40.7	37.8	37.8	37.8	37.8	37.8
7.5°	58.1	55.2	49.4	43.6	37.8	34.9	32.0	29.1	29.1	32.0	32.0
10°	58.1	52.3	43.6	37.8	32.0	29.1	26.2	23.3	23.3	23.3	23.3
12.5°	55.2	49.4	40.7	34.9	29.1	23.3	17.4	14.5	14.5	14.5	14.5
15°	52.3	46.5	37.8	29.1	20.4	14.5	11.6	8.7	8.7	8.7	8.7
17.5°	52.3	43.6	34.9	26.2	14.5	8.7	5.8	2.9	2.9	2.9	5.8
20°	52.3	43.6	32.0	20.4	8.7	5.8	5.8	2.9	0.0	2.9	2.9
22.5°	52.3	40.7	26.2	14.5	8.7	5.8	2.9	0.0	0.0	0.0	0.0
25°	55.2	40.7	23.3	11.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0
27.5°	55.2	37.8	20.4	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	58.1	37.8	17.4	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	58.1	34.9	11.6	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	58.1	32.0	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	58.1	29.1	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	61.1	26.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	64.0	23.3	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	66.9	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	75.6	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	87.2	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	104.7	20.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	136.7	17.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	197.7	17.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	331.4	17.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	581.5	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	982.7	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1282.2	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	974.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	465.2	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	206.4	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	90.1	8.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	34.9	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
82.5°	14.5	5.8	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
85°	8.7	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
87.5°	5.8	5.8	5.8	5.8	5.8	2.9	2.9	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: SP1-2407-184-1

Test Date: 10/09/2024

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

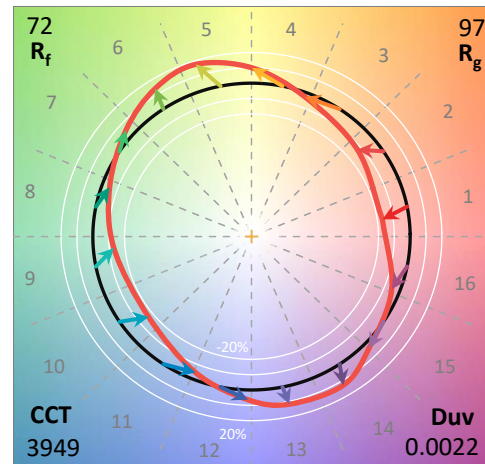
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

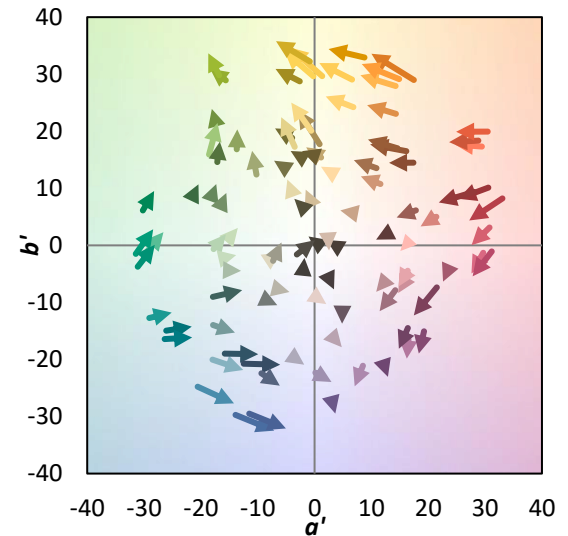
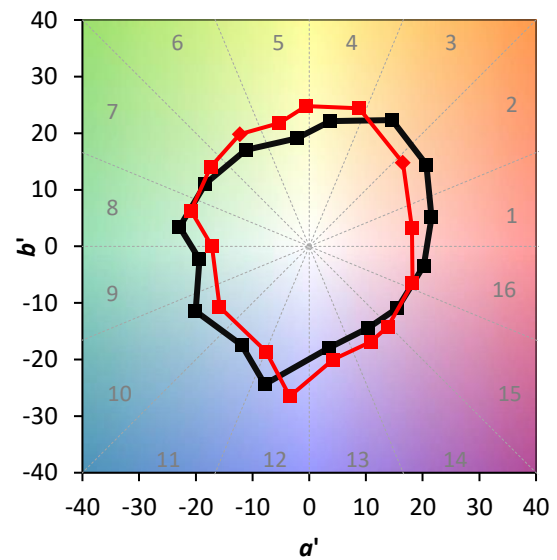
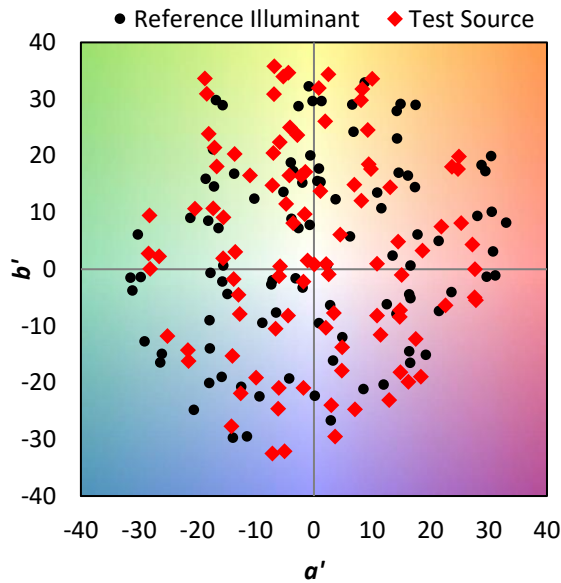
TM-30-18

Summary

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



Color Vector Graphics

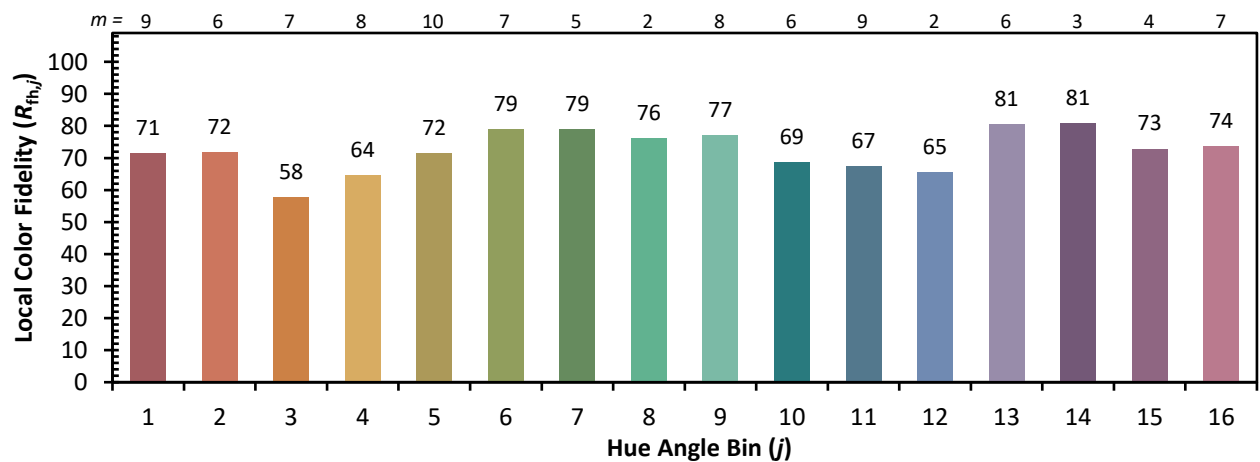


Individual Sample Fidelity Index ($R_{f,i}$)

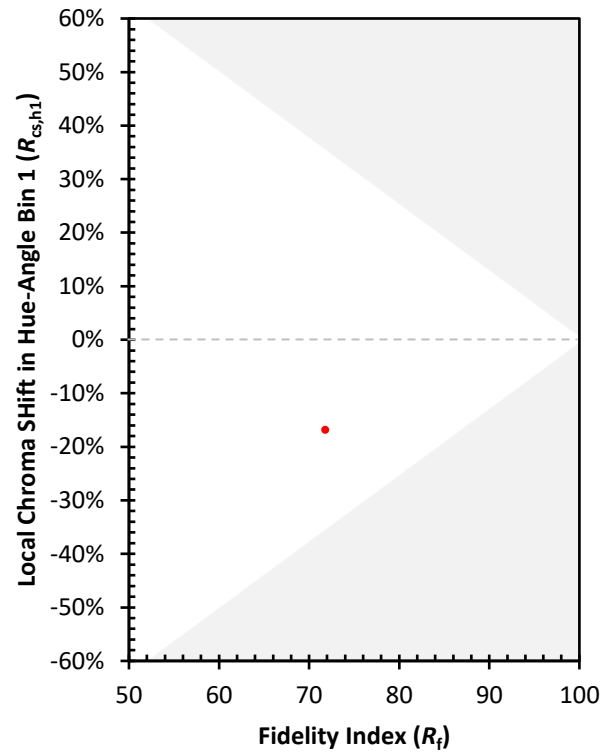
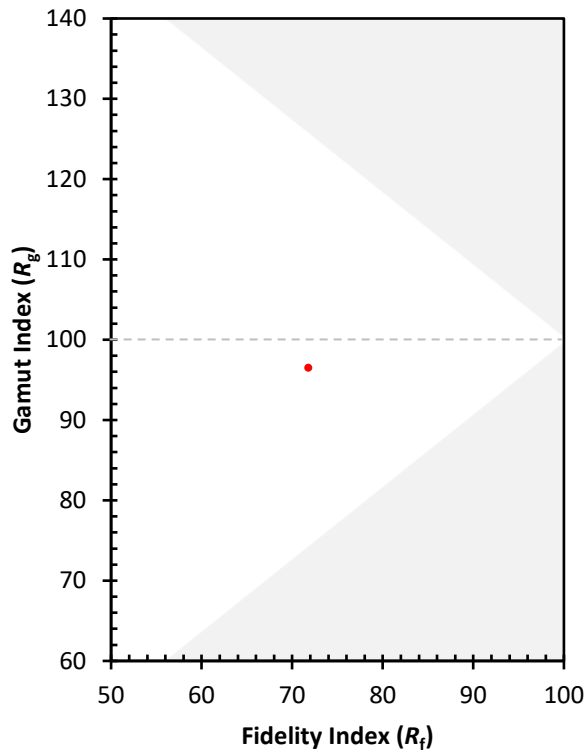
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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)