

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: P1067431

Luminaire Tested: **NAV-SA5C-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067431
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20255.8 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
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

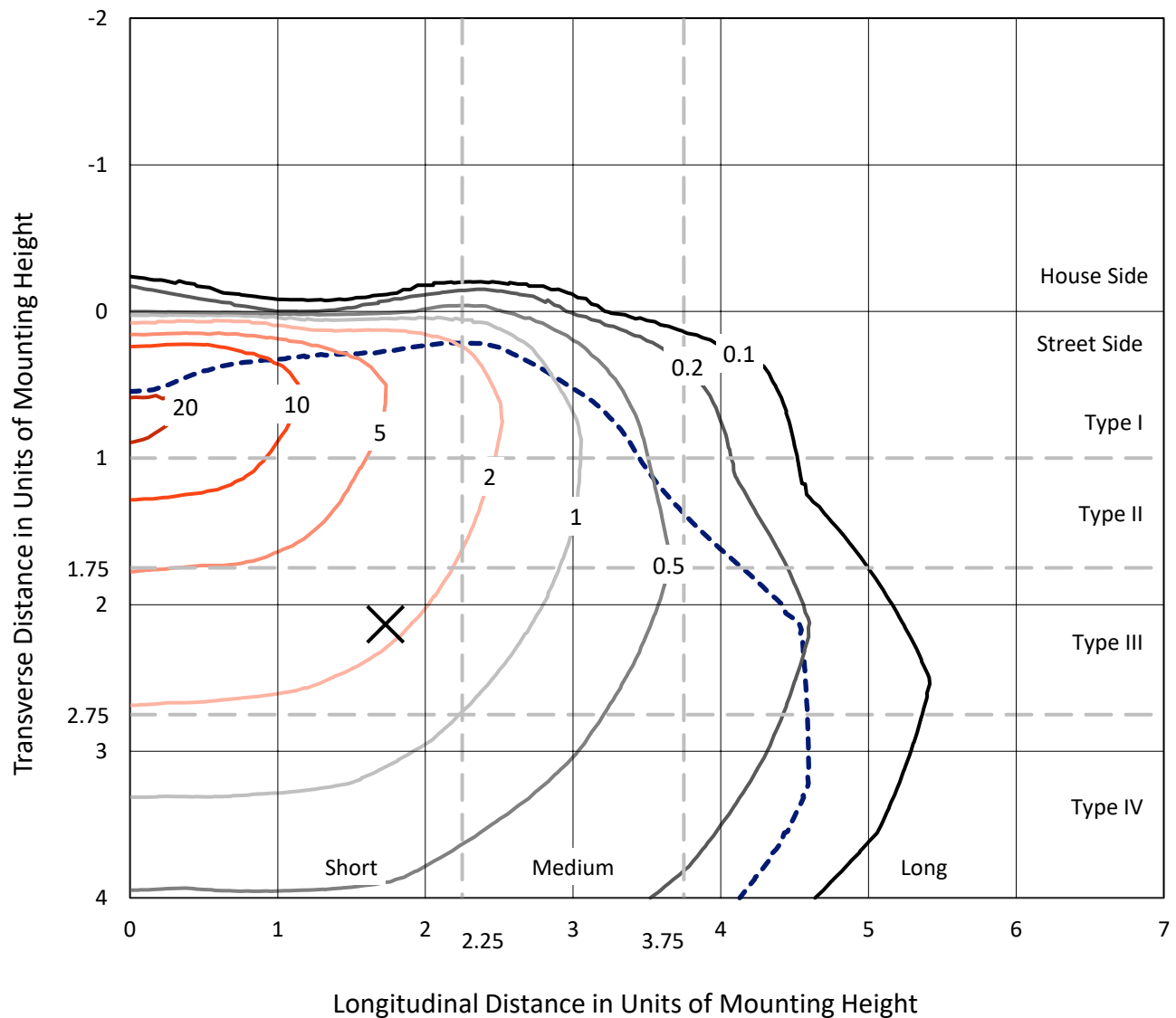


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

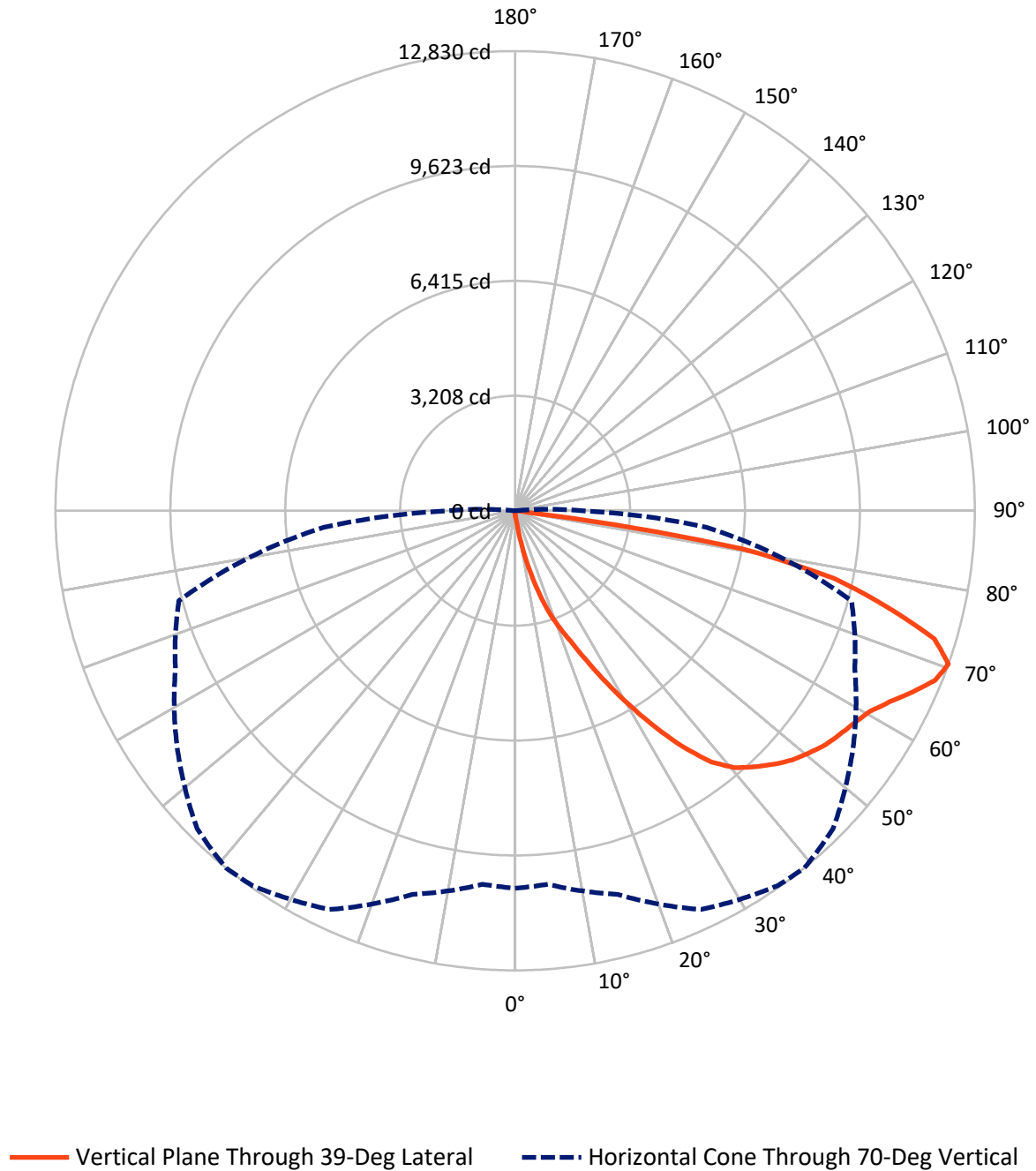


Based on 15 foot mounting height. Maximum calculated value = 22.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	62.4	0.0	62.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	20193.4	0.0	20193.4
	% Fixture	99.7	0.0	99.7
Total	Lumens	20255.8	0.0	20255.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.1
10°-20°	249.0	1.2
20°-30°	845.0	4.2
30°-40°	1986.0	9.8
40°-50°	3224.9	15.9
50°-60°	4086.5	20.2
60°-70°	5191.0	25.6
70°-80°	4217.7	20.8
80°-90°	434.3	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°	20255.8	100.0
0°-180°	20255.8	100.0



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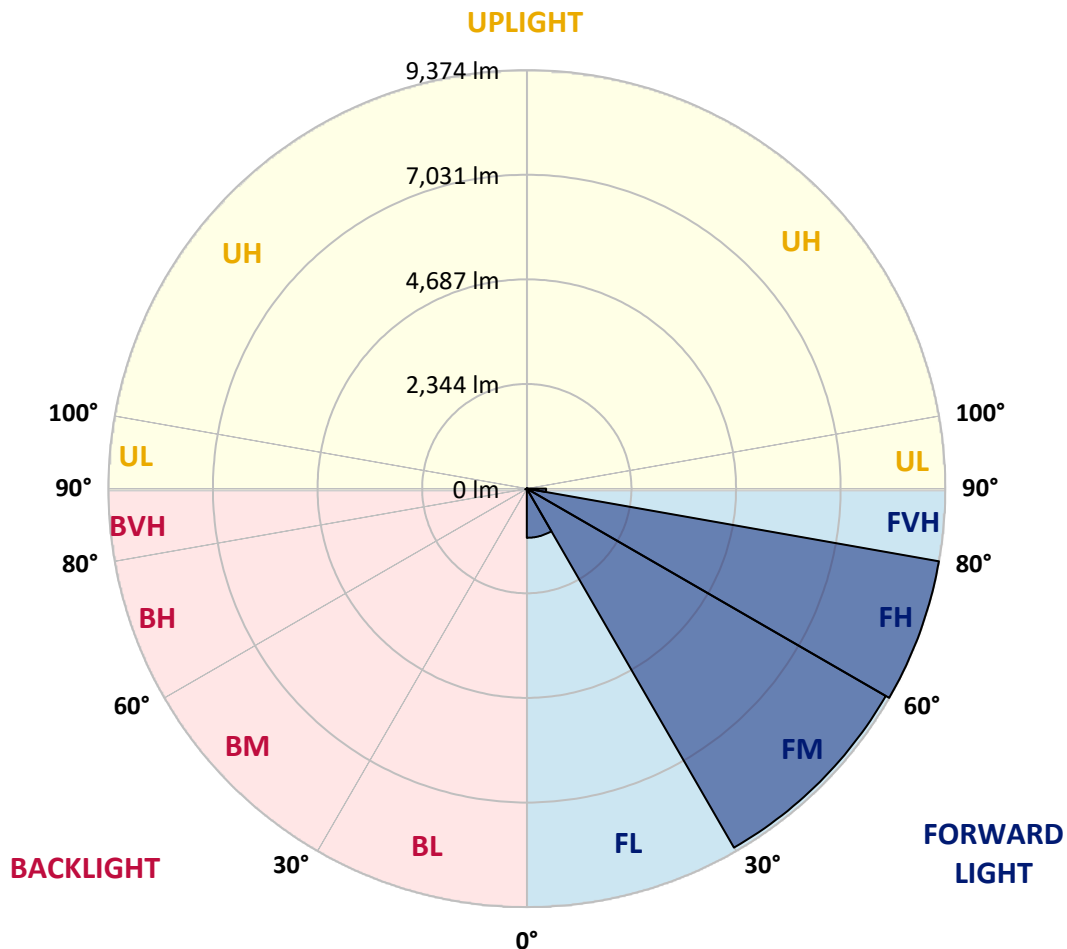
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1101.9	5.4			
FM	(30°-60°)	9285.4	45.8			
FH	(60°-80°)	9374.4	46.3			G4/12000
FVH	(80°-90°)	431.7	2.1			G3/500
BL	(0°-30°)	13.5	0.1	B0/110		
BM	(30°-60°)	12.0	0.1	B0/220		
BH	(60°-80°)	34.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	143.0	143.0	143.0	137.5	137.5	132.0	132.0	126.5	121.0	121.0	115.5
5°	269.5	275.0	258.5	225.5	203.5	192.5	181.5	154.0	137.5	126.5	115.5
7.5°	736.9	714.9	681.9	571.9	439.9	374.0	319.0	225.5	165.0	132.0	115.5
10°	1550.8	1490.3	1396.8	1248.4	989.9	885.4	687.4	412.5	231.0	148.5	115.5
12.5°	2276.7	2287.7	2172.3	2029.3	1715.8	1539.8	1270.4	775.4	363.0	176.0	115.5
15°	2826.7	2815.7	2771.7	2656.2	2375.7	2205.2	1963.3	1303.4	610.4	220.0	121.0
17.5°	3261.1	3217.1	3200.6	3151.1	2969.7	2876.2	2612.2	1919.3	967.9	297.0	126.5
20°	3695.6	3684.6	3668.1	3613.1	3492.1	3426.1	3222.6	2540.7	1440.8	423.5	137.5
22.5°	4328.0	4267.5	4278.5	4157.5	4058.5	3943.0	3778.1	3200.6	1985.3	604.9	154.0
25°	5070.4	5064.9	4976.9	4921.9	4757.0	4630.5	4410.5	3838.6	2590.2	874.4	170.5
27.5°	5944.8	5884.3	5845.8	5752.3	5581.9	5438.9	5136.4	4471.0	3244.6	1176.9	192.5
30°	6857.7	6857.7	6786.2	6643.2	6478.3	6302.3	5994.3	5136.4	3893.6	1561.8	220.0
32.5°	7924.6	7946.6	7770.6	7556.1	7341.7	7220.7	6819.2	5889.8	4515.0	2001.8	253.0
35°	8958.5	8931.0	8639.5	8403.0	8243.6	8111.6	7770.6	6714.7	5218.9	2513.2	297.0
37.5°	9948.4	9876.9	9392.9	9057.5	8986.0	8898.0	8557.0	7539.6	5917.3	3079.6	352.0
40°	10657.8	10547.8	10047.3	9585.4	9480.9	9431.4	9167.4	8287.5	6654.2	3712.1	423.5
42.5°	10965.7	10839.3	10492.8	10118.8	9887.9	9772.4	9541.4	8898.0	7391.2	4416.0	527.9
45°	11026.2	10927.2	10679.8	10591.8	10278.3	10102.3	9788.9	9332.4	8078.6	5114.4	670.9
47.5°	10806.3	10762.3	10613.8	10800.8	10641.3	10399.3	10019.8	9656.9	8689.0	5961.3	868.9
50°	10267.3	10234.3	10305.8	10795.3	10905.2	10630.3	10272.8	9909.9	9216.9	6835.7	1149.4
52.5°	9541.4	9535.9	9871.4	10652.3	11020.7	10850.3	10520.3	10162.8	9634.9	7682.6	1545.3
55°	8749.5	8843.0	9431.4	10520.3	11086.7	11009.7	10762.3	10388.3	10008.9	8469.0	2183.2
57.5°	8683.5	8645.0	9211.4	10465.3	11125.2	11169.2	11004.2	10624.8	10327.8	9112.5	3035.7
60°	9343.4	9255.4	9469.9	10580.8	11295.7	11372.7	11246.2	10806.3	10646.8	9618.4	4157.5
62.5°	10107.8	10025.3	10135.3	11026.2	11631.2	11741.2	11581.7	10993.2	10905.2	9970.4	5361.9
65°	10718.3	10652.3	10861.3	11691.7	12098.6	12192.1	12082.1	11339.7	11020.7	10256.3	6340.8
67.5°	10817.3	10734.8	11169.2	12137.1	12571.6	12637.5	12549.6	11675.2	10982.2	10278.3	6566.2
70°	10536.8	10465.3	11086.7	12280.1	12775.0	12830.0	12549.6	11515.7	10459.8	9717.4	5367.4
72.5°	9673.4	9728.4	10531.3	11933.6	12494.6	12241.6	11647.7	10712.8	9783.4	8238.1	3767.1
75°	8331.5	8392.0	9458.9	10982.2	11026.2	10718.3	10399.3	9854.9	8755.0	5427.9	2612.2
77.5°	5922.8	5708.3	7303.2	9068.5	8909.0	9107.0	9134.5	8199.6	7330.7	2826.7	1748.8
80°	582.9	494.9	918.4	2601.2	5746.8	6423.3	6687.2	6318.8	5405.9	1264.9	918.4
82.5°	126.5	126.5	137.5	148.5	231.0	346.5	1589.3	3893.6	3492.1	643.4	297.0
85°	71.5	71.5	88.0	104.5	137.5	154.0	181.5	242.0	940.4	231.0	55.0
87.5°	55.0	60.5	71.5	88.0	115.5	126.5	154.0	192.5	236.5	214.5	16.5
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2.5°	115.5	110.0	104.5	99.0	93.5	93.5	88.0	88.0	88.0	88.0	88.0
5°	110.0	104.5	99.0	88.0	82.5	77.0	71.5	71.5	71.5	71.5	71.5
7.5°	110.0	104.5	93.5	82.5	71.5	66.0	60.5	55.0	55.0	60.5	60.5
10°	110.0	99.0	82.5	71.5	60.5	55.0	49.5	44.0	44.0	44.0	44.0
12.5°	104.5	93.5	77.0	66.0	55.0	44.0	33.0	27.5	27.5	27.5	27.5
15°	99.0	88.0	71.5	55.0	38.5	27.5	22.0	16.5	16.5	16.5	16.5
17.5°	99.0	82.5	66.0	49.5	27.5	16.5	11.0	5.5	5.5	5.5	11.0
20°	99.0	82.5	60.5	38.5	16.5	11.0	11.0	5.5	0.0	5.5	5.5
22.5°	99.0	77.0	49.5	27.5	16.5	11.0	5.5	0.0	0.0	0.0	0.0
25°	104.5	77.0	44.0	22.0	11.0	5.5	0.0	0.0	0.0	0.0	0.0
27.5°	104.5	71.5	38.5	16.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	110.0	71.5	33.0	11.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	110.0	66.0	22.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	110.0	60.5	16.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	110.0	55.0	16.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	115.5	49.5	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	121.0	44.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	126.5	38.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	143.0	38.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	165.0	38.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	198.0	38.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	258.5	33.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	374.0	33.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	626.9	33.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1099.9	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1858.8	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2425.2	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1842.3	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	879.9	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	390.5	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	170.5	16.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	66.0	11.0	5.5	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0
82.5°	27.5	11.0	5.5	5.5	5.5	5.5	5.5	0.0	0.0	0.0	0.0
85°	16.5	11.0	11.0	11.0	5.5	5.5	5.5	0.0	0.0	0.0	0.0
87.5°	11.0	11.0	11.0	11.0	11.0	5.5	5.5	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

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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	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			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.8

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	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			

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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			

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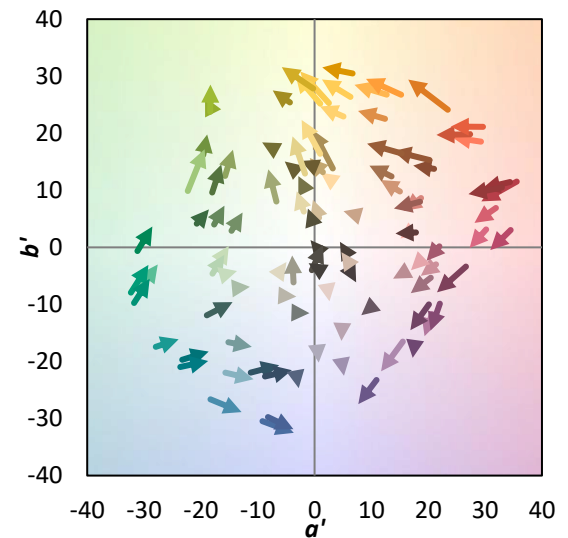
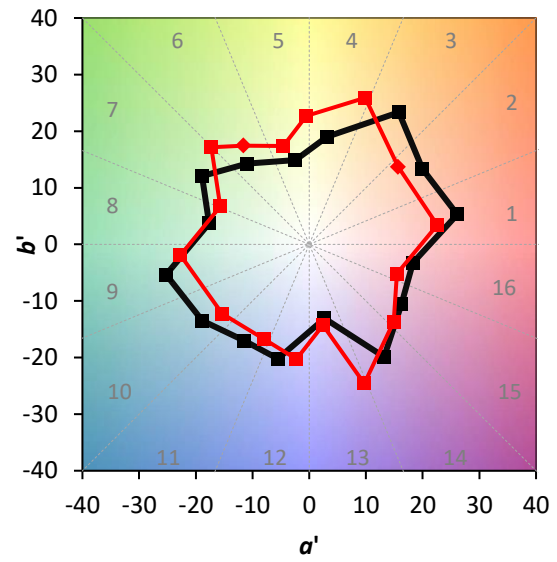
TM-30-18

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)