

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: P1067168

Luminaire Tested: **NAV-SA5D-740-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067168
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-740-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29968.4 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 269.7
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



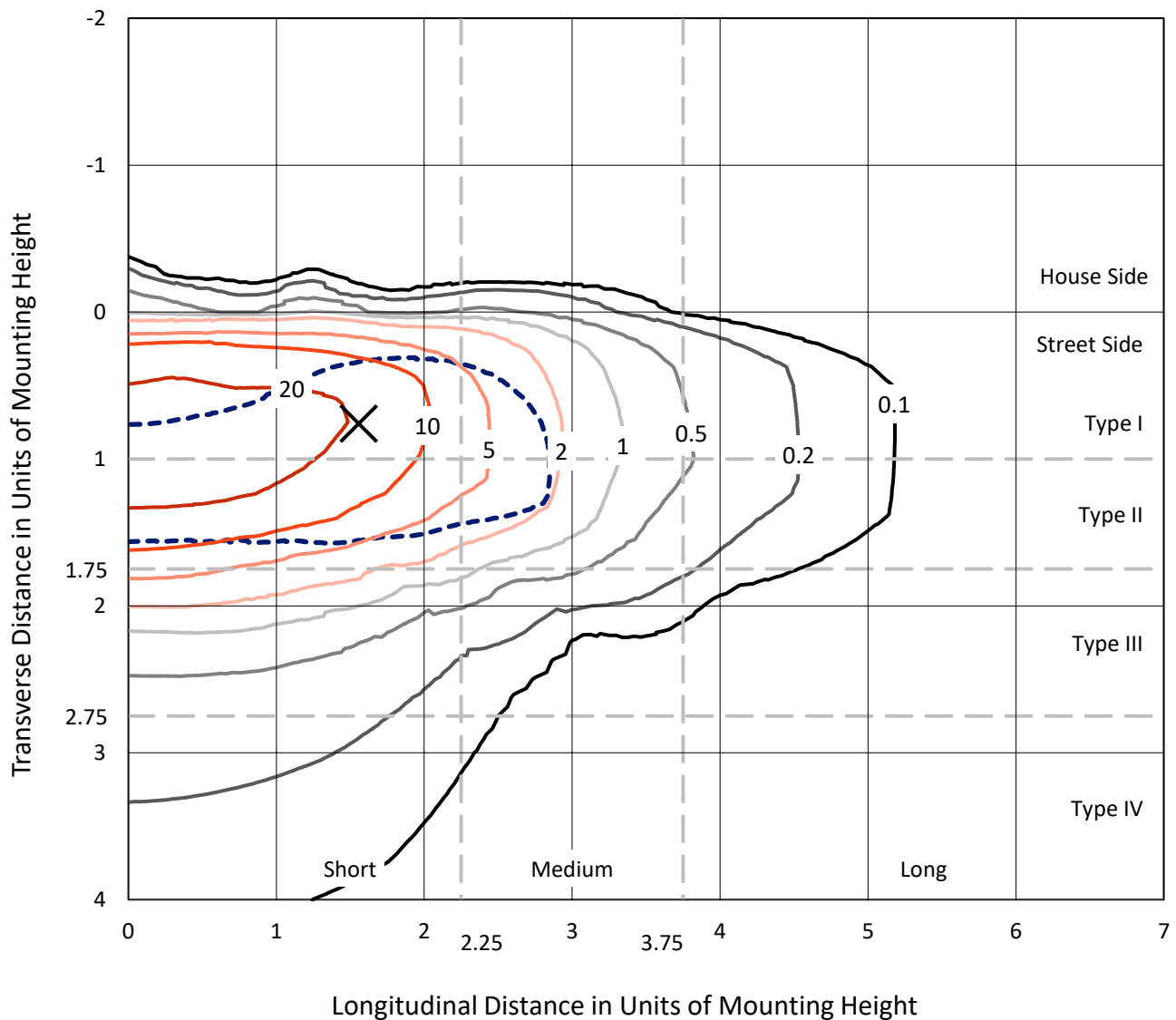
REPORT NUMBER: P1067168

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

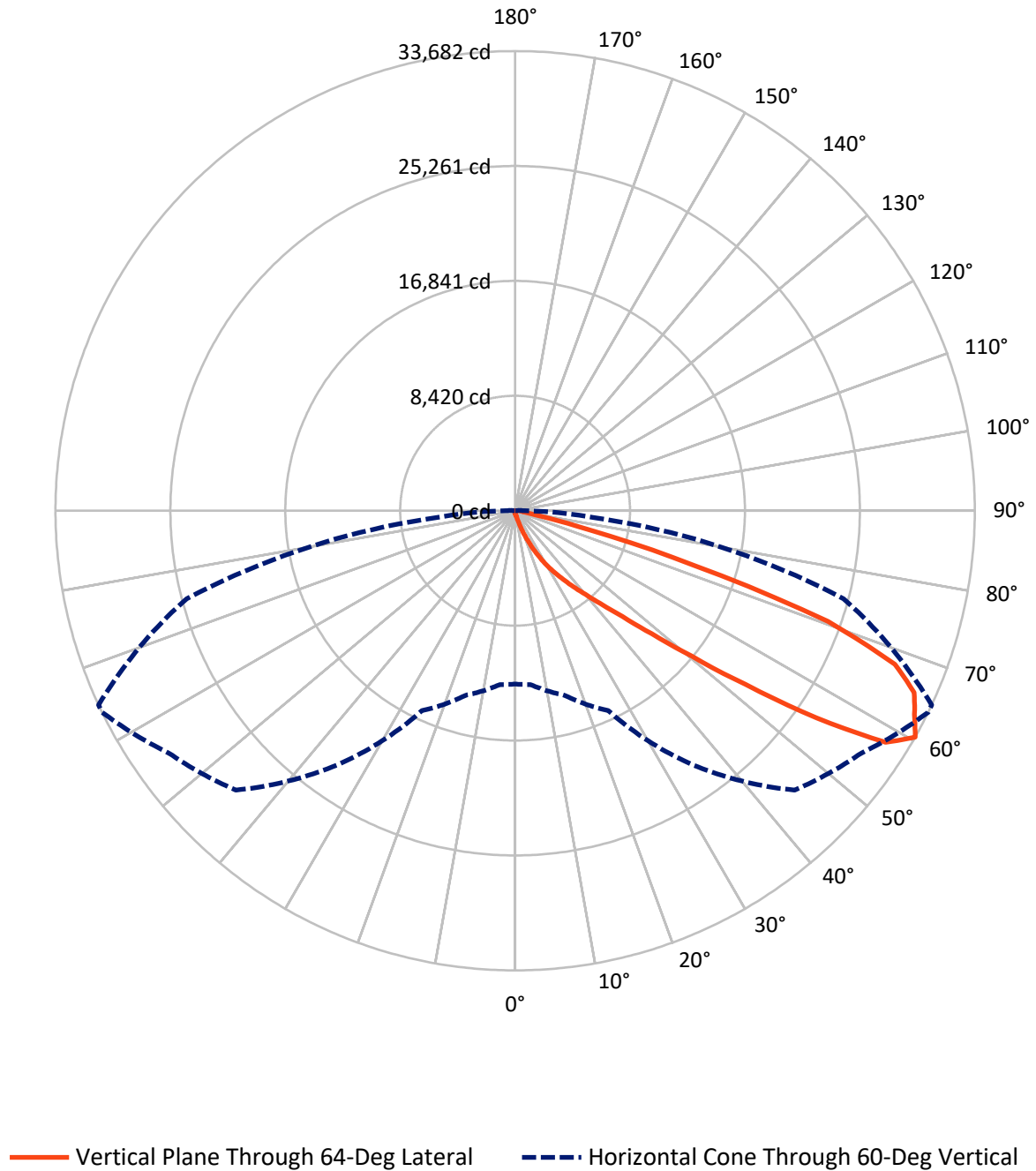


Based on 15 foot mounting height. Maximum calculated value = 43 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	121.4	0.0	121.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	29847.0	0.0	29847.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	29968.4	0.0	29968.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	0.1
10°-20°	294.5	1.0
20°-30°	978.1	3.3
30°-40°	2609.9	8.7
40°-50°	6633.6	22.1
50°-60°	9670.4	32.3
60°-70°	7469.4	24.9
70°-80°	2051.2	6.8
80°-90°	231.5	0.8
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°	29968.4	100.0
0°-180°	29968.4	100.0



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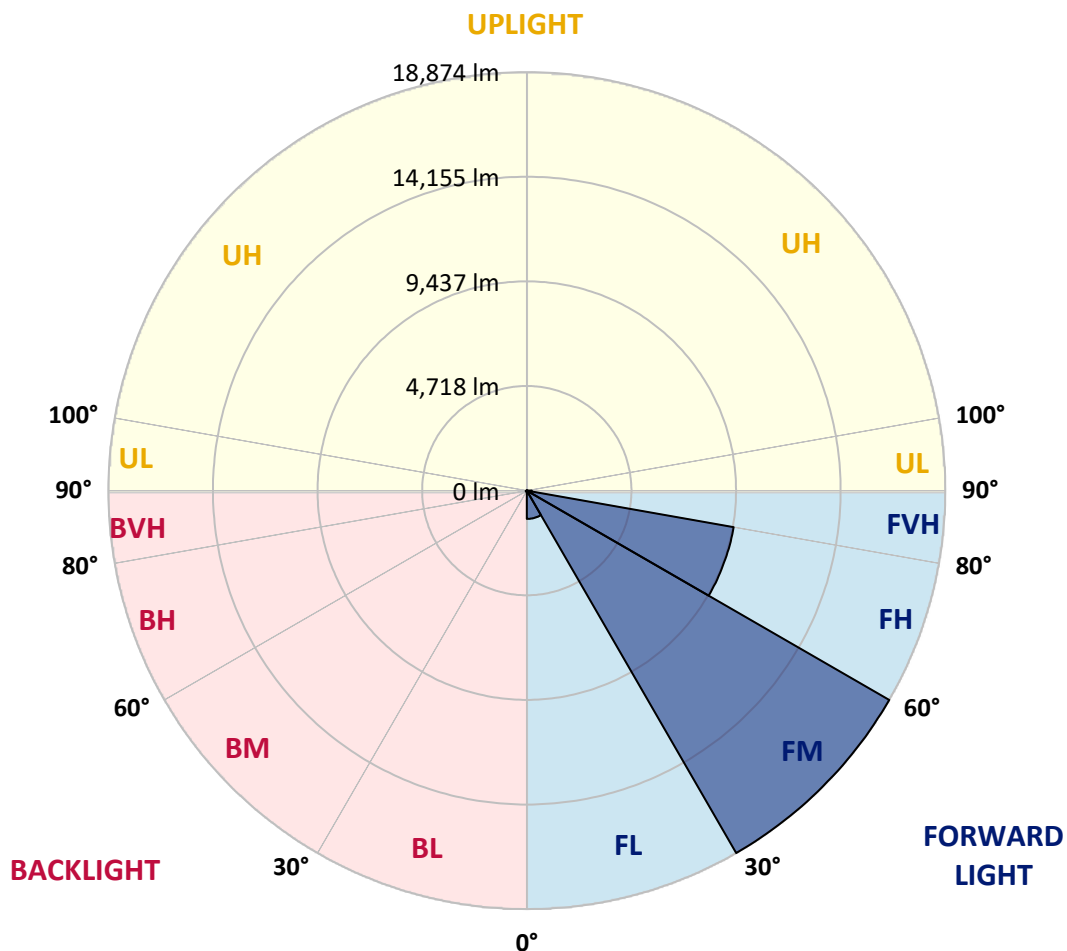
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1275.1	4.3			
FM	(30°-60°)	18873.6	63.0			
FH	(60°-80°)	9472.2	31.6			G4/12000
FVH	(80°-90°)	226.1	0.8			G3/500
BL	(0°-30°)	27.3	0.1	B0/110		
BM	(30°-60°)	40.3	0.1	B0/220		
BH	(60°-80°)	48.4	0.2	B0/110		G0/110
BVH	(80°-90°)	5.5	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 II Short



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CATALOG NUMBER: NAV-SA5D-740-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0
2.5°	264.0	264.0	264.0	255.7	247.5	247.5	239.2	231.0	231.0	214.5	206.2
5°	404.2	404.2	387.7	371.2	346.5	313.5	280.5	255.7	255.7	231.0	214.5
7.5°	791.9	816.7	742.4	651.7	528.0	445.5	354.7	297.0	288.7	247.5	214.5
10°	1715.8	1699.3	1583.9	1361.1	1072.4	775.4	495.0	363.0	346.5	264.0	214.5
12.5°	2582.0	2606.8	2483.0	2235.5	1889.1	1377.6	849.7	470.2	453.7	288.7	214.5
15°	3324.4	3324.4	3242.0	3118.2	2738.7	2202.5	1369.4	701.2	643.4	313.5	206.2
17.5°	3835.9	3827.6	3794.6	3761.7	3538.9	2986.2	2095.3	1121.9	989.9	371.2	206.2
20°	4413.3	4388.6	4429.8	4363.8	4190.6	3753.4	2862.5	1666.3	1542.6	470.2	206.2
22.5°	5015.5	5040.3	5073.3	5007.3	4817.6	4438.1	3670.9	2367.5	2235.5	651.7	214.5
25°	5782.7	5766.2	5840.5	5782.7	5543.5	5098.0	4429.8	3134.7	2945.0	907.4	231.0
27.5°	6723.1	6690.1	6739.6	6591.1	6277.7	5824.0	5106.3	3918.4	3695.7	1303.4	264.0
30°	7968.8	7993.5	7770.8	7597.5	7152.1	6549.9	5857.0	4759.8	4528.8	1773.6	297.0
32.5°	9932.1	9758.8	9412.4	8711.2	8125.5	7358.3	6607.6	5494.0	5287.8	2375.8	346.5
35°	12992.6	13025.5	12266.6	10534.3	9263.9	8373.0	7432.6	6302.4	6153.9	3060.5	412.5
37.5°	16721.2	16630.5	15962.3	13776.2	10930.2	9635.1	8373.0	7185.1	6970.6	3802.9	495.0
40°	20944.8	20565.4	20177.6	18692.8	14403.2	11219.0	9560.9	8208.0	8043.0	4660.8	626.9
42.5°	24327.0	24228.0	24294.0	23675.3	20194.1	13916.5	11136.5	9461.9	9263.9	5725.0	857.9
45°	25993.4	25853.1	26249.1	26711.0	25820.1	19657.9	13677.2	11062.2	10798.3	6978.9	1212.6
47.5°	25547.9	25448.9	26298.6	27206.0	28393.9	26315.1	17826.6	13454.5	13000.8	8587.5	1740.6
50°	23353.6	23361.8	24756.0	26447.1	28327.9	29689.0	23972.3	16729.5	16160.3	10724.0	2565.5
52.5°	21217.0	21283.0	22759.6	25226.2	27346.2	30085.0	29367.3	21142.8	20218.9	13240.0	3538.9
55°	19022.7	19055.7	20359.1	23832.0	26884.3	28905.3	32139.0	26826.5	25844.9	16374.7	4487.6
57.5°	16910.9	16910.9	17397.6	20482.9	26381.1	28798.1	31809.1	32023.5	31223.4	19954.9	5188.8
60°	12703.8	12786.3	13999.0	16160.3	22751.4	28954.8	30967.6	33681.6	33681.6	24920.9	5725.0
62.5°	6417.9	6541.6	8051.3	10154.8	15607.6	26793.5	31099.6	32848.5	32980.5	29301.3	6945.9
65°	3011.0	3151.2	3959.6	5444.5	8397.7	18857.8	29730.3	32139.0	32097.8	28468.1	9519.6
67.5°	2161.3	2202.5	2474.8	3176.0	4520.6	8265.7	22693.7	30019.0	30035.5	24186.8	10946.7
70°	1938.6	1938.6	2004.6	2210.8	2722.2	3695.7	11029.2	24310.5	25490.1	18676.3	10146.6
72.5°	1913.8	1897.3	1880.8	1889.1	1839.6	1856.1	3786.4	13726.7	15409.6	13066.8	8092.5
75°	1864.3	1864.3	1847.8	1790.1	1468.4	1196.1	1303.4	5551.7	6417.9	8727.7	6005.4
77.5°	1476.6	1625.1	1798.3	1691.1	1344.6	899.2	758.9	1608.6	2029.3	5353.8	4355.6
80°	684.7	692.9	684.7	717.7	857.9	643.4	560.9	783.7	791.9	2969.7	2697.5
82.5°	495.0	503.2	478.5	429.0	379.5	346.5	462.0	577.4	618.7	1361.1	1006.4
85°	148.5	140.2	165.0	222.7	264.0	305.2	387.7	486.7	511.5	503.2	148.5
87.5°	66.0	66.0	82.5	115.5	156.7	231.0	338.2	445.5	453.7	519.7	41.2
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°	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0
2.5°	206.2	198.0	189.7	181.5	173.2	165.0	156.7	156.7	165.0	165.0	165.0
5°	198.0	189.7	173.2	156.7	148.5	140.2	132.0	132.0	140.2	140.2	140.2
7.5°	198.0	181.5	165.0	148.5	132.0	123.7	115.5	115.5	115.5	123.7	123.7
10°	198.0	181.5	156.7	132.0	115.5	107.2	99.0	90.7	99.0	99.0	99.0
12.5°	189.7	173.2	148.5	123.7	99.0	82.5	74.2	74.2	74.2	74.2	74.2
15°	181.5	165.0	140.2	107.2	82.5	66.0	49.5	49.5	49.5	57.7	57.7
17.5°	173.2	156.7	123.7	82.5	57.7	41.2	33.0	33.0	33.0	41.2	41.2
20°	173.2	148.5	107.2	66.0	41.2	24.7	16.5	16.5	16.5	24.7	33.0
22.5°	173.2	148.5	99.0	49.5	24.7	16.5	8.2	8.2	8.2	8.2	8.2
25°	173.2	140.2	90.7	41.2	16.5	8.2	0.0	0.0	8.2	16.5	24.7
27.5°	173.2	132.0	74.2	24.7	16.5	8.2	0.0	8.2	16.5	16.5	16.5
30°	173.2	132.0	66.0	24.7	8.2	0.0	0.0	8.2	16.5	16.5	24.7
32.5°	181.5	123.7	57.7	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	189.7	115.5	49.5	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	206.2	115.5	33.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	231.0	123.7	33.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	288.7	132.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	404.2	165.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	593.9	247.5	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	866.2	338.2	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1064.2	338.2	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1055.9	214.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	808.4	148.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	684.7	107.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	824.9	82.5	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1468.4	74.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2359.3	74.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2639.8	74.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2062.3	66.0	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1130.1	57.7	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	569.2	41.2	16.5	8.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	239.2	33.0	16.5	8.2	8.2	8.2	0.0	0.0	0.0	0.0	0.0
82.5°	82.5	33.0	16.5	16.5	8.2	8.2	0.0	0.0	0.0	0.0	0.0
85°	41.2	24.7	24.7	16.5	16.5	8.2	8.2	0.0	0.0	0.0	0.0
87.5°	24.7	24.7	24.7	16.5	16.5	8.2	8.2	0.0	0.0	0.0	8.2
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

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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 4000K 4-step quadrangle

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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	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			

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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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

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			

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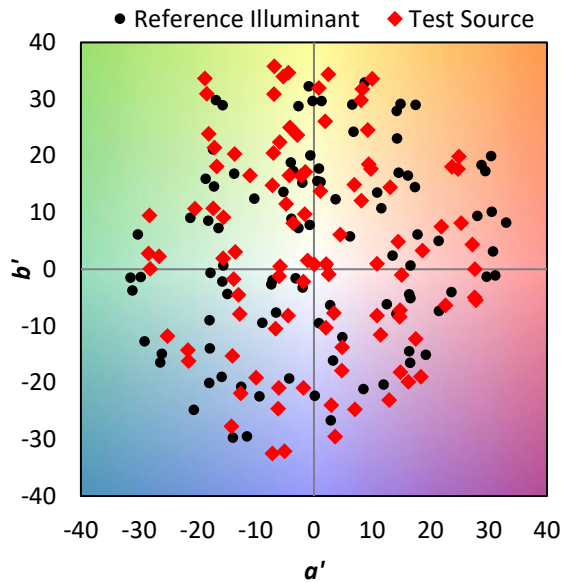
TM-30-18

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)