

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: P1067167

Luminaire Tested: **NAV-SA5C-740-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067167
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-740-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 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: 27181 lumens
Efficiency: N/A
Efficacy: 115.2 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): 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



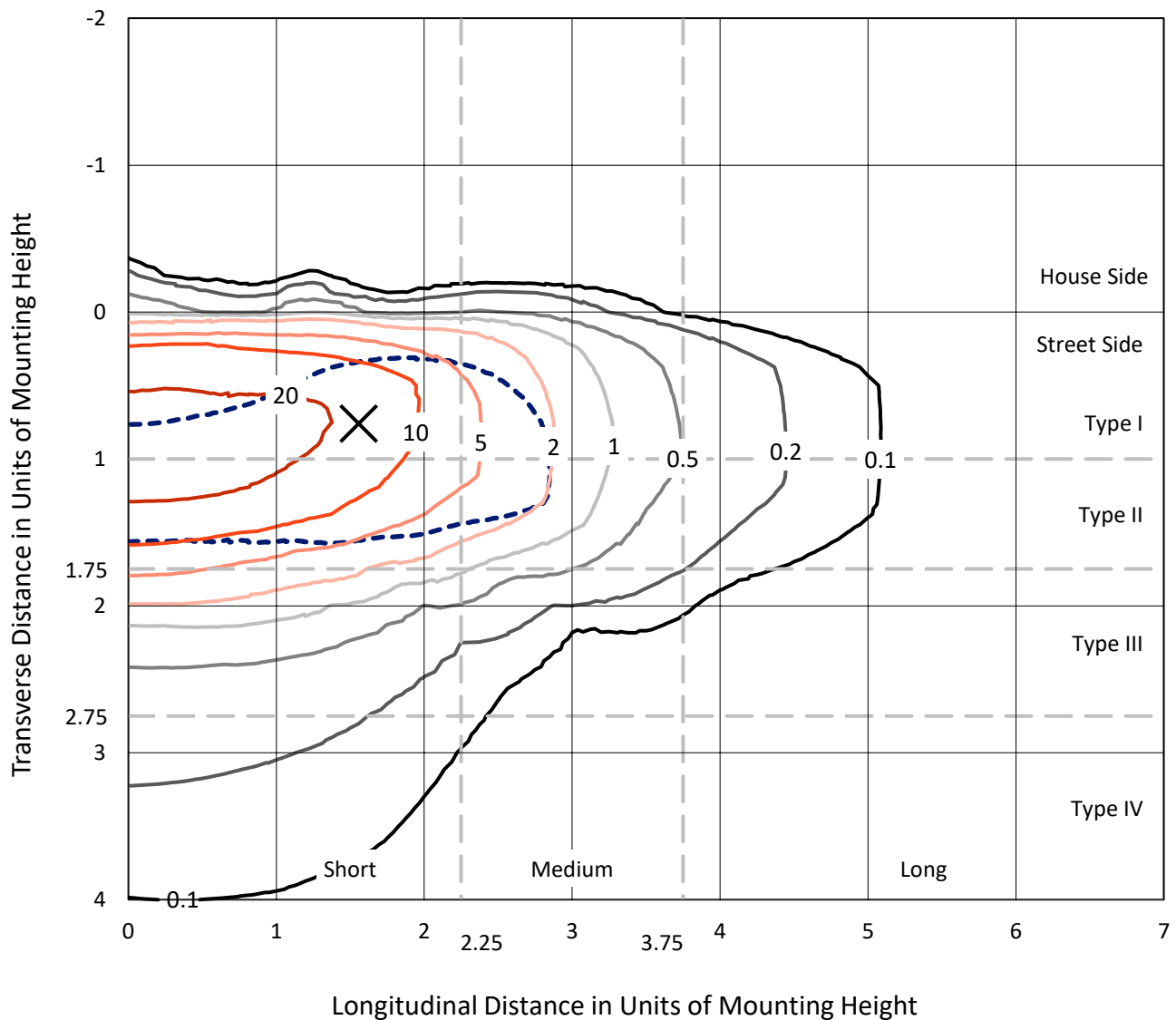
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

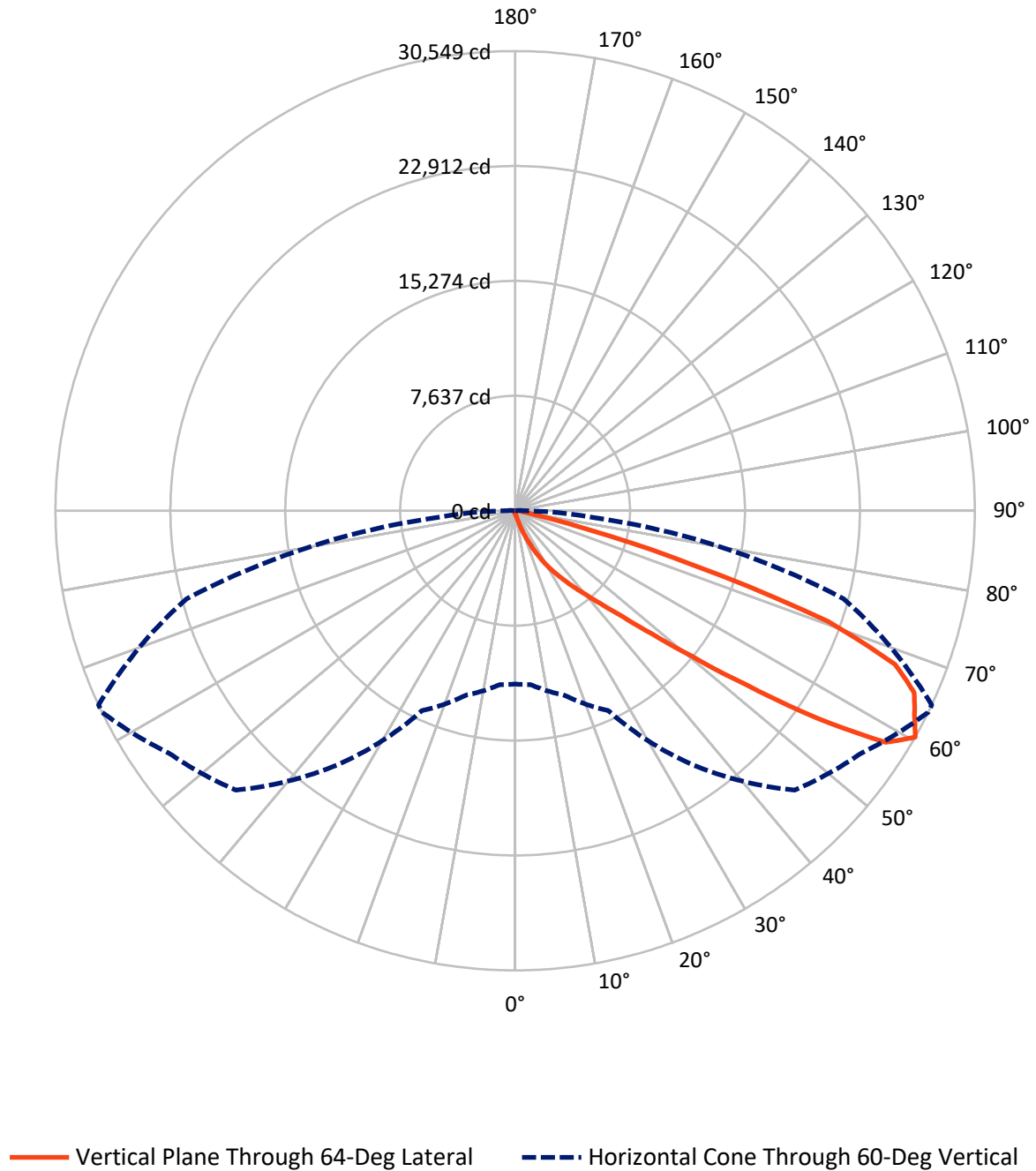


Based on 15 foot mounting height. Maximum calculated value = 39 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	110.2	0.0	110.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	27070.8	0.0	27070.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	27181.0	0.0	27181.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	0.1
10°-20°	267.1	1.0
20°-30°	887.1	3.3
30°-40°	2367.1	8.7
40°-50°	6016.6	22.1
50°-60°	8770.9	32.3
60°-70°	6774.7	24.9
70°-80°	1860.4	6.8
80°-90°	210.0	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°	27181.0	100.0
0°-180°	27181.0	100.0



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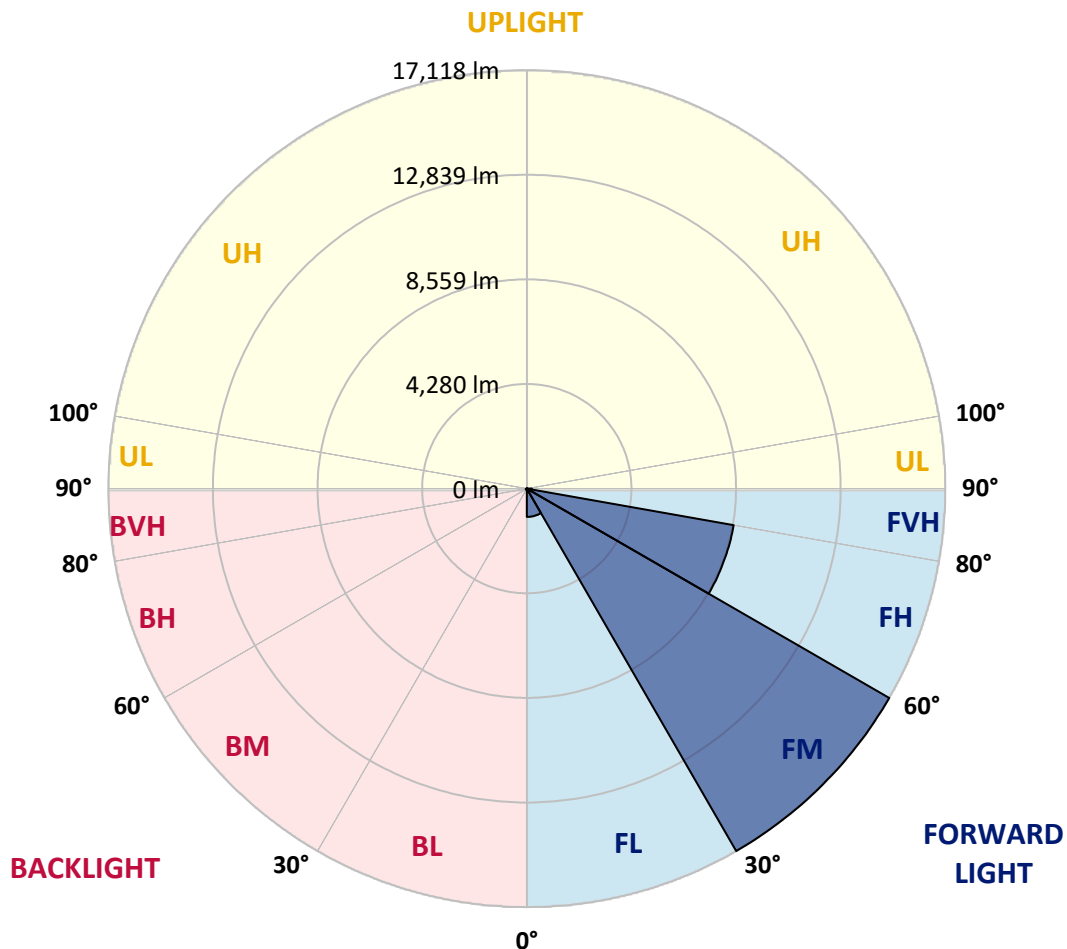
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1156.5	4.3			
FM	(30°-60°)	17118.1	63.0			
FH	(60°-80°)	8591.2	31.6			G4/12000
FVH	(80°-90°)	205.0	0.8			G2/225
BL	(0°-30°)	24.8	0.1	B0/110		
BM	(30°-60°)	36.5	0.1	B0/220		
BH	(60°-80°)	44.0	0.2	B0/110		G0/110
BVH	(80°-90°)	5.0	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-G4

Type II Short



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CATALOG NUMBER: NAV-SA5C-740-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6
2.5°	239.4	239.4	239.4	231.9	224.5	224.5	217.0	209.5	209.5	194.5	187.0
5°	366.6	366.6	351.7	336.7	314.2	284.3	254.4	231.9	231.9	209.5	194.5
7.5°	718.3	740.7	673.4	591.1	478.8	404.0	321.7	269.4	261.9	224.5	194.5
10°	1556.2	1541.3	1436.5	1234.5	972.7	703.3	448.9	329.2	314.2	239.4	194.5
12.5°	2341.9	2364.3	2252.1	2027.6	1713.4	1249.5	770.6	426.5	411.5	261.9	194.5
15°	3015.2	3015.2	2940.4	2828.2	2484.0	1997.7	1242.0	636.0	583.6	284.3	187.0
17.5°	3479.1	3471.6	3441.7	3411.8	3209.8	2708.5	1900.4	1017.5	897.8	336.7	187.0
20°	4002.9	3980.4	4017.8	3958.0	3800.8	3404.3	2596.2	1511.4	1399.1	426.5	187.0
22.5°	4549.0	4571.5	4601.4	4541.6	4369.5	4025.3	3329.5	2147.3	2027.6	591.1	194.5
25°	5244.9	5229.9	5297.2	5244.9	5027.9	4623.9	4017.8	2843.1	2671.1	823.0	209.5
27.5°	6097.8	6067.9	6112.8	5978.1	5693.8	5282.3	4631.3	3553.9	3351.9	1182.2	239.4
30°	7227.6	7250.0	7048.0	6890.9	6486.9	5940.7	5312.2	4317.1	4107.6	1608.6	269.4
32.5°	9008.3	8851.2	8536.9	7901.0	7369.7	6673.9	5993.1	4983.0	4795.9	2154.8	314.2
35°	11784.1	11814.0	11125.7	9554.5	8402.2	7594.2	6741.2	5716.2	5581.5	2775.8	374.1
37.5°	15165.9	15083.6	14477.6	12494.9	9913.6	8738.9	7594.2	6516.8	6322.3	3449.2	448.9
40°	18996.7	18652.5	18300.9	16954.1	13063.5	10175.5	8671.6	7444.6	7294.9	4227.3	568.6
42.5°	22064.3	21974.5	22034.4	21473.2	18315.8	12622.1	10100.7	8581.8	8402.2	5192.5	778.1
45°	23575.7	23448.5	23807.6	24226.6	23418.5	17829.5	12405.1	10033.3	9793.9	6329.7	1099.8
47.5°	23171.6	23081.9	23852.5	24675.5	25752.9	23867.5	16168.5	12203.1	11791.6	7788.7	1578.7
50°	21181.4	21188.9	22453.4	23987.2	25693.1	26927.6	21742.6	15173.4	14657.2	9726.6	2326.9
52.5°	19243.6	19303.5	20642.7	22879.8	24802.7	27286.7	26635.8	19176.3	18338.3	12008.6	3209.8
55°	17253.4	17283.3	18465.5	21615.4	24383.7	26216.8	29149.7	24331.3	23441.0	14851.7	4070.2
57.5°	15338.0	15338.0	15779.5	18577.7	23927.3	26119.5	28850.5	29045.0	28319.2	18098.9	4706.2
60°	11522.2	11597.0	12696.9	14657.2	20635.3	26261.7	28087.3	30548.9	30548.9	22603.0	5192.5
62.5°	5821.0	5933.2	7302.4	9210.3	14155.9	24301.4	28207.0	29793.2	29912.9	26575.9	6299.8
65°	2730.9	2858.1	3591.3	4938.1	7616.6	17103.8	26965.0	29149.7	29112.3	25820.3	8634.2
67.5°	1960.3	1997.7	2244.6	2880.6	4100.1	7496.9	20582.9	27226.9	27241.8	21937.1	9928.6
70°	1758.3	1758.3	1818.1	2005.2	2469.0	3351.9	10003.4	22049.3	23119.3	16939.2	9202.8
72.5°	1735.8	1720.9	1705.9	1713.4	1668.5	1683.4	3434.2	12450.0	13976.3	11851.4	7339.8
75°	1690.9	1690.9	1676.0	1623.6	1331.8	1084.9	1182.2	5035.4	5821.0	7915.9	5446.9
77.5°	1339.3	1473.9	1631.1	1533.8	1219.6	815.5	688.3	1459.0	1840.6	4855.8	3950.5
80°	621.0	628.5	621.0	650.9	778.1	583.6	508.8	710.8	718.3	2693.5	2446.6
82.5°	448.9	456.4	434.0	389.1	344.2	314.2	419.0	523.7	561.1	1234.5	912.8
85°	134.7	127.2	149.6	202.0	239.4	276.8	351.7	441.4	463.9	456.4	134.7
87.5°	59.9	59.9	74.8	104.7	142.2	209.5	306.8	404.0	411.5	471.4	37.4
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: NAV-SA5C-740-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6	179.6
2.5°	187.0	179.6	172.1	164.6	157.1	149.6	142.2	142.2	149.6	149.6	149.6
5°	179.6	172.1	157.1	142.2	134.7	127.2	119.7	119.7	127.2	127.2	127.2
7.5°	179.6	164.6	149.6	134.7	119.7	112.2	104.7	104.7	104.7	112.2	112.2
10°	179.6	164.6	142.2	119.7	104.7	97.3	89.8	82.3	89.8	89.8	89.8
12.5°	172.1	157.1	134.7	112.2	89.8	74.8	67.3	67.3	67.3	67.3	67.3
15°	164.6	149.6	127.2	97.3	74.8	59.9	44.9	44.9	44.9	52.4	52.4
17.5°	157.1	142.2	112.2	74.8	52.4	37.4	29.9	29.9	29.9	37.4	37.4
20°	157.1	134.7	97.3	59.9	37.4	22.4	15.0	15.0	15.0	22.4	29.9
22.5°	157.1	134.7	89.8	44.9	22.4	15.0	7.5	7.5	7.5	7.5	7.5
25°	157.1	127.2	82.3	37.4	15.0	7.5	0.0	0.0	7.5	15.0	22.4
27.5°	157.1	119.7	67.3	22.4	15.0	7.5	0.0	7.5	15.0	15.0	15.0
30°	157.1	119.7	59.9	22.4	7.5	0.0	0.0	7.5	15.0	15.0	22.4
32.5°	164.6	112.2	52.4	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	172.1	104.7	44.9	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	187.0	104.7	29.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	209.5	112.2	29.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	261.9	119.7	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	366.6	149.6	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	538.7	224.5	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	785.6	306.8	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	965.2	306.8	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	957.7	194.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	733.2	134.7	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	621.0	97.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	748.2	74.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1331.8	67.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2139.8	67.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2394.2	67.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1870.5	59.9	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1025.0	52.4	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	516.3	37.4	15.0	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	217.0	29.9	15.0	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0
82.5°	74.8	29.9	15.0	15.0	7.5	7.5	0.0	0.0	0.0	0.0	0.0
85°	37.4	22.4	22.4	15.0	15.0	7.5	7.5	0.0	0.0	0.0	0.0
87.5°	22.4	22.4	22.4	15.0	15.0	7.5	7.5	0.0	0.0	0.0	7.5
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)