

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: P1067619

Luminaire Tested: **NAV-SA4C-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067619
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19238.8 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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

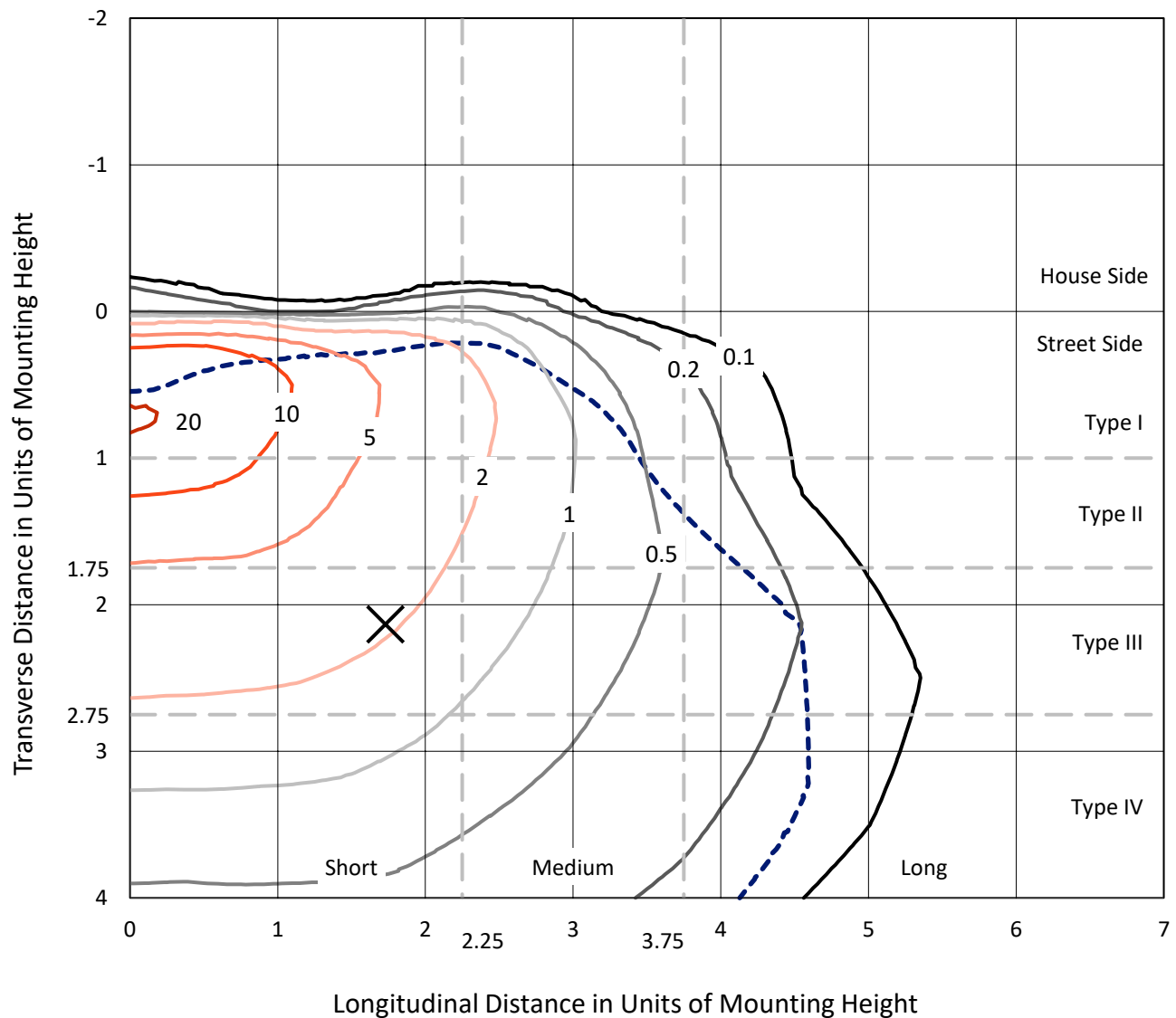


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

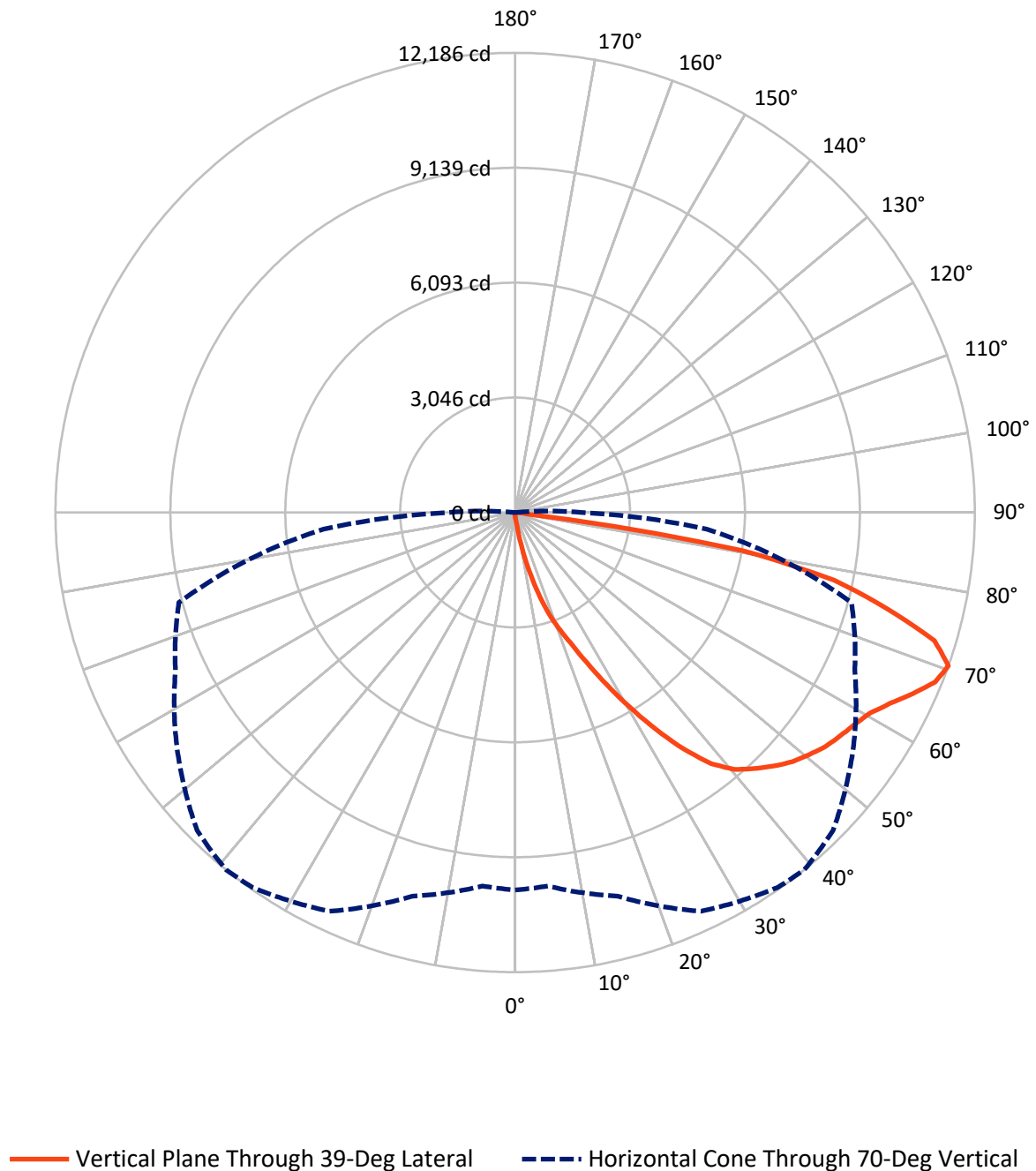


Based on 15 foot mounting height. Maximum calculated value = 21 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.2	0.0	59.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	19179.6	0.0	19179.6
	% Fixture	99.7	0.0	99.7
Total	Lumens	19238.8	0.0	19238.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.1
10°-20°	236.5	1.2
20°-30°	802.6	4.2
30°-40°	1886.3	9.8
40°-50°	3063.0	15.9
50°-60°	3881.4	20.2
60°-70°	4930.4	25.6
70°-80°	4005.9	20.8
80°-90°	412.5	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°	19238.8	100.0
0°-180°	19238.8	100.0



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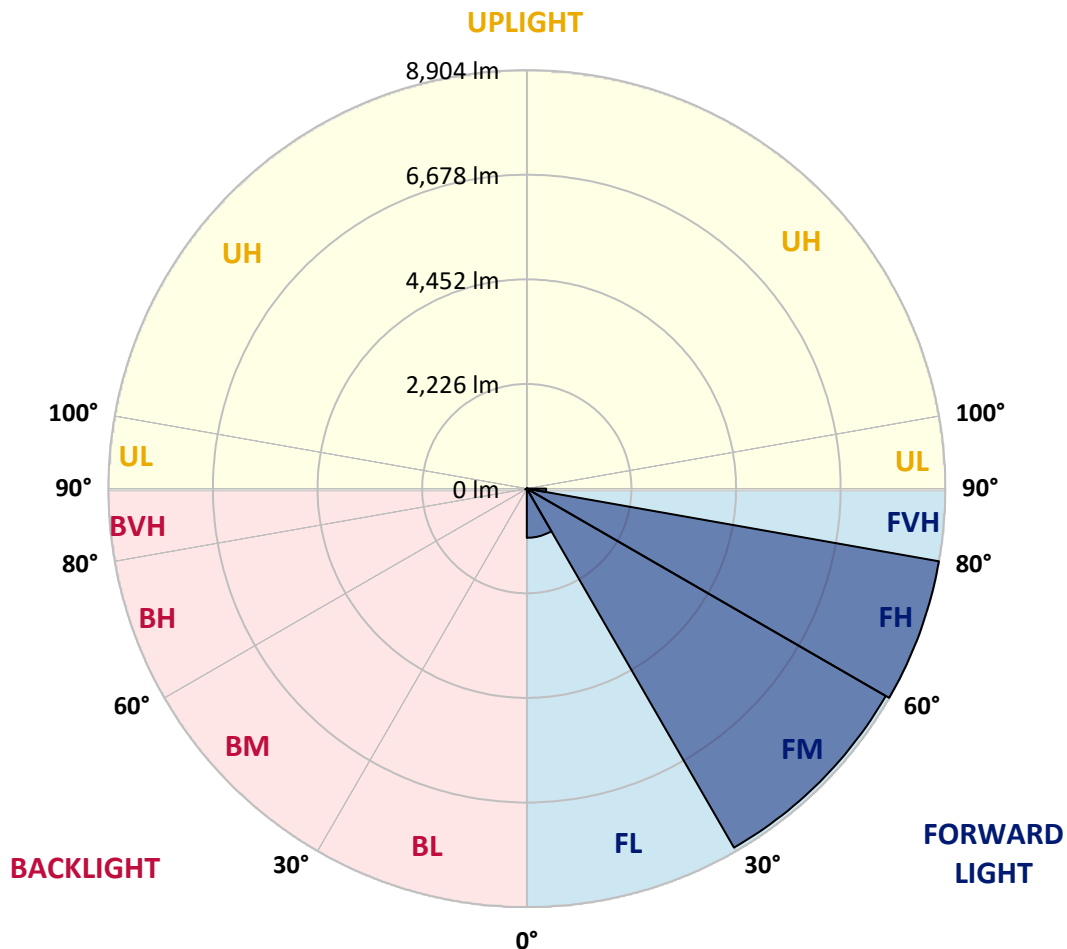
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1046.6	5.4			
FM	(30°-60°)	8819.3	45.8			
FH	(60°-80°)	8903.8	46.3			G4/12000
FVH	(80°-90°)	410.0	2.1			G3/500
BL	(0°-30°)	12.8	0.1	B0/110		
BM	(30°-60°)	11.4	0.1	B0/220		
BH	(60°-80°)	32.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	135.8	135.8	135.8	130.6	130.6	125.4	125.4	120.1	114.9	114.9	109.7
5°	255.9	261.2	245.5	214.2	193.3	182.8	172.4	146.3	130.6	120.1	109.7
7.5°	699.9	679.0	647.7	543.2	417.9	355.2	303.0	214.2	156.7	125.4	109.7
10°	1473.0	1415.5	1326.7	1185.7	940.2	840.9	652.9	391.7	219.4	141.0	109.7
12.5°	2162.4	2172.9	2063.2	1927.4	1629.7	1462.5	1206.6	736.5	344.7	167.1	109.7
15°	2684.8	2674.3	2632.5	2522.8	2256.5	2094.5	1864.7	1237.9	579.8	208.9	114.9
17.5°	3097.4	3055.6	3040.0	2992.9	2820.6	2731.8	2481.1	1822.9	919.3	282.1	120.1
20°	3510.0	3499.6	3483.9	3431.7	3316.8	3254.1	3060.8	2413.2	1368.5	402.2	130.6
22.5°	4110.7	4053.3	4063.7	3948.8	3854.8	3745.1	3588.4	3040.0	1885.6	574.6	146.3
25°	4815.9	4810.6	4727.1	4674.8	4518.1	4398.0	4189.1	3645.9	2460.2	830.5	161.9
27.5°	5646.4	5588.9	5552.4	5463.6	5301.6	5165.8	4878.5	4246.5	3081.7	1117.8	182.8
30°	6513.4	6513.4	6445.5	6309.7	6153.0	5985.9	5693.4	4878.5	3698.1	1483.4	208.9
32.5°	7526.8	7547.6	7380.5	7176.8	6973.1	6858.2	6476.9	5594.1	4288.3	1901.3	240.3
35°	8508.7	8482.6	8205.8	7981.2	7829.7	7704.3	7380.5	6377.6	4956.9	2387.0	282.1
37.5°	9448.9	9381.0	8921.4	8602.8	8534.8	8451.3	8127.4	7161.1	5620.3	2925.0	334.3
40°	10122.7	10018.3	9542.9	9104.2	9004.9	8957.9	8707.2	7871.5	6320.2	3525.7	402.2
42.5°	10415.2	10295.1	9966.0	9610.8	9391.5	9281.8	9062.4	8451.3	7020.1	4194.3	501.4
45°	10472.7	10378.7	10143.6	10060.0	9762.3	9595.2	9297.4	8863.9	7673.0	4857.7	637.2
47.5°	10263.8	10222.0	10080.9	10258.5	10107.1	9877.2	9516.8	9172.1	8252.8	5662.0	825.3
50°	9751.9	9720.5	9788.4	10253.3	10357.8	10096.6	9757.1	9412.4	8754.2	6492.5	1091.7
52.5°	9062.4	9057.2	9375.8	10117.5	10467.5	10305.5	9992.1	9652.6	9151.2	7296.9	1467.7
55°	8310.2	8399.0	8957.9	9992.1	10530.1	10457.0	10222.0	9866.8	9506.4	8043.9	2073.6
57.5°	8247.6	8211.0	8749.0	9939.9	10566.7	10608.5	10451.8	10091.4	9809.3	8655.0	2883.3
60°	8874.4	8790.8	8994.5	10049.6	10728.6	10801.8	10681.6	10263.8	10112.3	9135.5	3948.8
62.5°	9600.4	9522.1	9626.5	10472.7	11047.3	11151.7	11000.2	10441.3	10357.8	9469.8	5092.7
65°	10180.2	10117.5	10316.0	11104.7	11491.2	11580.0	11475.6	10770.4	10467.5	9741.4	6022.4
67.5°	10274.2	10195.9	10608.5	11527.8	11940.4	12003.1	11919.5	11089.0	10430.9	9762.3	6236.6
70°	10007.8	9939.9	10530.1	11663.6	12133.7	12185.9	11919.5	10937.6	9934.7	9229.5	5097.9
72.5°	9187.8	9240.0	10002.6	11334.5	11867.3	11627.0	11062.9	10175.0	9292.2	7824.5	3578.0
75°	7913.3	7970.7	8984.1	10430.9	10472.7	10180.2	9877.2	9360.1	8315.5	5155.4	2481.1
77.5°	5625.5	5421.8	6936.5	8613.2	8461.7	8649.8	8675.9	7787.9	6962.6	2684.8	1661.0
80°	553.7	470.1	872.3	2470.6	5458.3	6100.8	6351.5	6001.6	5134.5	1201.4	872.3
82.5°	120.1	120.1	130.6	141.0	219.4	329.1	1509.5	3698.1	3316.8	611.1	282.1
85°	67.9	67.9	83.6	99.2	130.6	146.3	172.4	229.8	893.2	219.4	52.2
87.5°	52.2	57.5	67.9	83.6	109.7	120.1	146.3	182.8	224.6	203.7	15.7
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-SA4C-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
2.5°	109.7	104.5	99.2	94.0	88.8	88.8	83.6	83.6	83.6	83.6	83.6
5°	104.5	99.2	94.0	83.6	78.3	73.1	67.9	67.9	67.9	67.9	67.9
7.5°	104.5	99.2	88.8	78.3	67.9	62.7	57.5	52.2	52.2	57.5	57.5
10°	104.5	94.0	78.3	67.9	57.5	52.2	47.0	41.8	41.8	41.8	41.8
12.5°	99.2	88.8	73.1	62.7	52.2	41.8	31.3	26.1	26.1	26.1	26.1
15°	94.0	83.6	67.9	52.2	36.6	26.1	20.9	15.7	15.7	15.7	15.7
17.5°	94.0	78.3	62.7	47.0	26.1	15.7	10.4	5.2	5.2	5.2	10.4
20°	94.0	78.3	57.5	36.6	15.7	10.4	10.4	5.2	0.0	5.2	5.2
22.5°	94.0	73.1	47.0	26.1	15.7	10.4	5.2	0.0	0.0	0.0	0.0
25°	99.2	73.1	41.8	20.9	10.4	5.2	0.0	0.0	0.0	0.0	0.0
27.5°	99.2	67.9	36.6	15.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	104.5	67.9	31.3	10.4	5.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	104.5	62.7	20.9	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	104.5	57.5	15.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	104.5	52.2	15.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	109.7	47.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	114.9	41.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	120.1	36.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	135.8	36.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	156.7	36.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	188.0	36.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	245.5	31.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	355.2	31.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	595.5	31.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1044.7	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1765.5	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2303.5	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1749.8	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	835.7	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	370.9	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	161.9	15.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	62.7	10.4	5.2	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0
82.5°	26.1	10.4	5.2	5.2	5.2	5.2	5.2	0.0	0.0	0.0	0.0
85°	15.7	10.4	10.4	10.4	5.2	5.2	5.2	0.0	0.0	0.0	0.0
87.5°	10.4	10.4	10.4	10.4	10.4	5.2	5.2	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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 3500K 7-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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$



Color Vector Graphics



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

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)