

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: STREETWORKS

Report Number: P1066423

Luminaire Tested: **NVN-SA5C-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066423
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA5C-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24169.1 lumens
Efficiency: N/A
Efficacy: 102.4 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

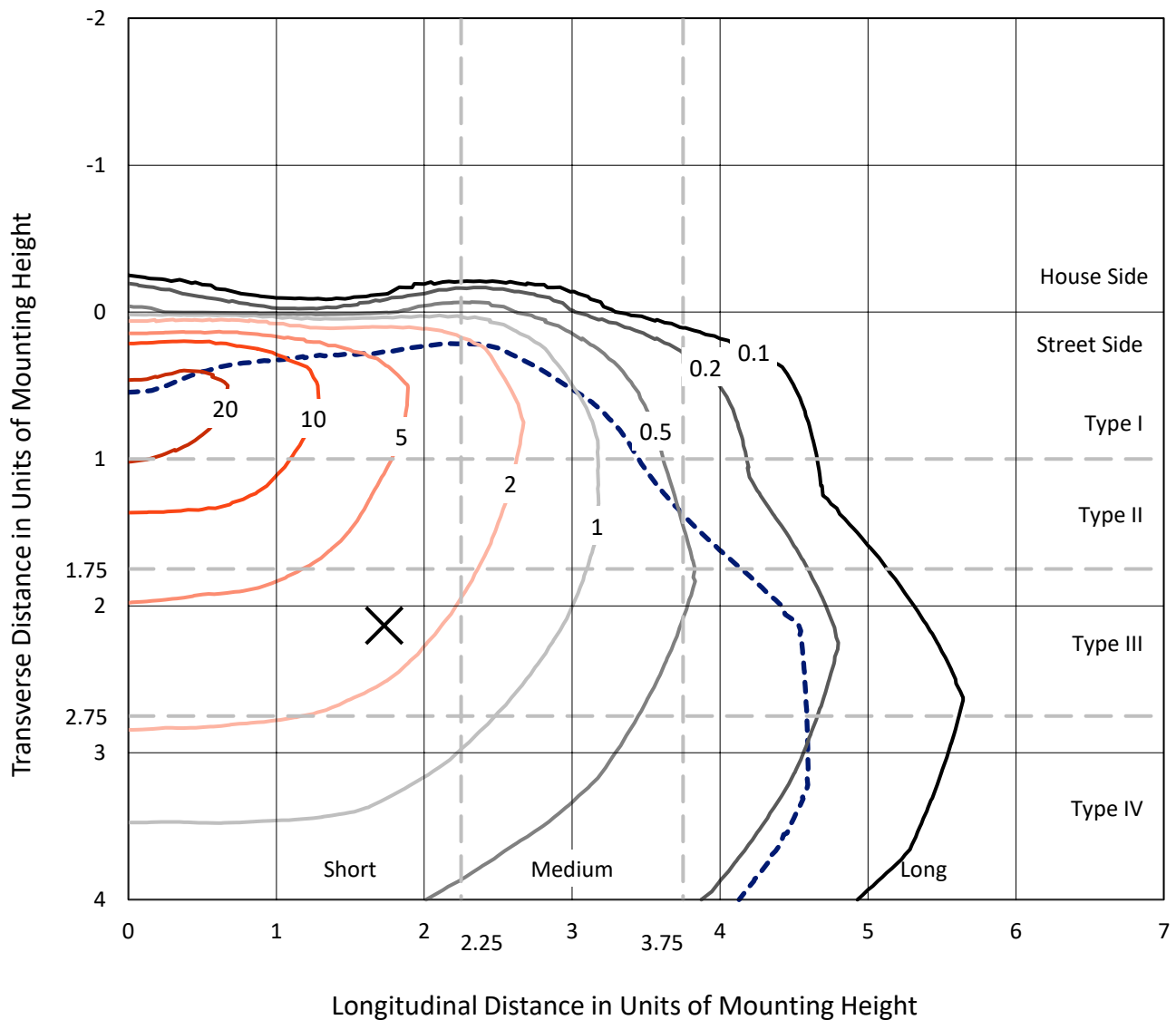


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

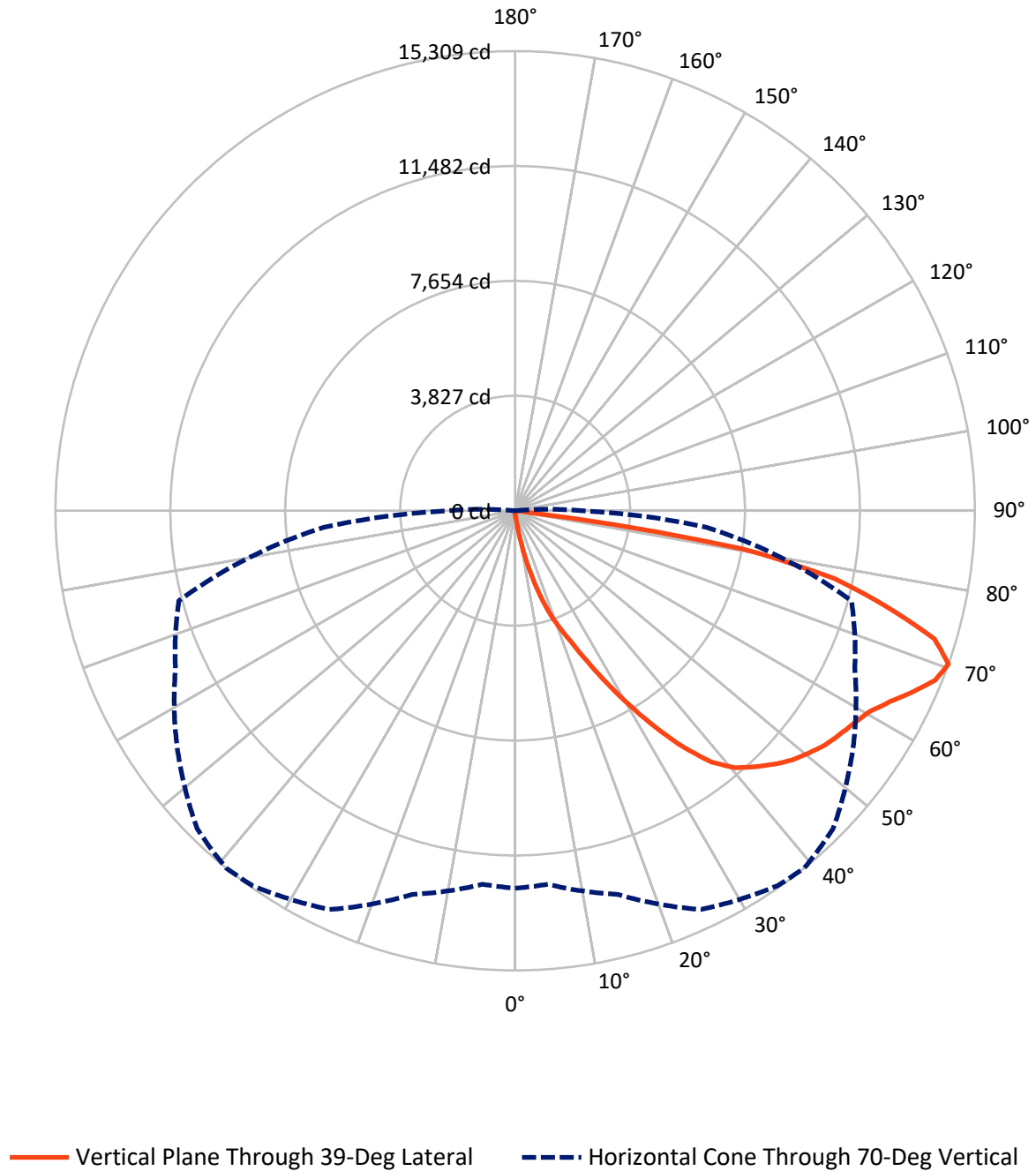


Based on 15 foot mounting height. Maximum calculated value = 26.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	74.4	0.0	74.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	24094.7	0.0	24094.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	24169.1	0.0	24169.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	0.1
10°-20°	297.1	1.2
20°-30°	1008.3	4.2
30°-40°	2369.7	9.8
40°-50°	3847.9	15.9
50°-60°	4876.1	20.2
60°-70°	6193.9	25.6
70°-80°	5032.5	20.8
80°-90°	518.2	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°	24169.1	100.0
0°-180°	24169.1	100.0



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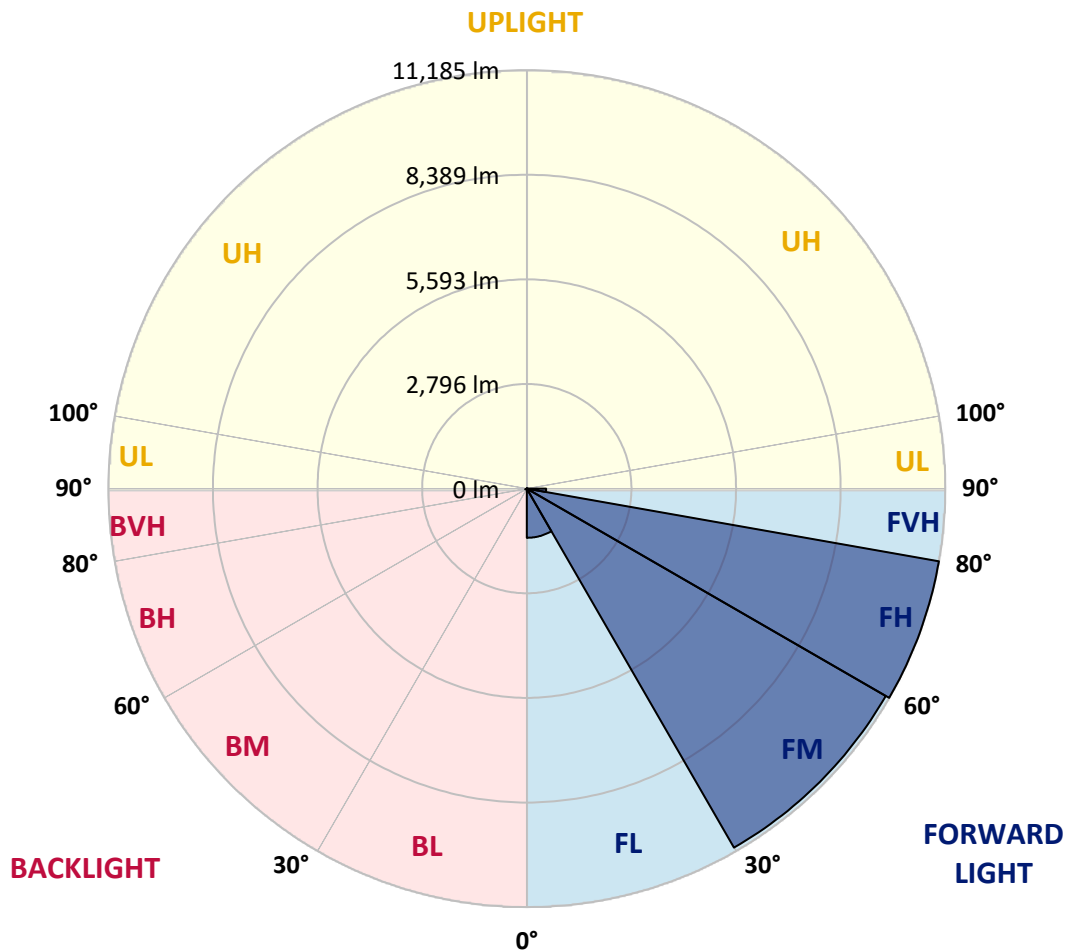
CATALOG NUMBER: NVN-SA5C-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1314.8	5.4			
FM	(30°-60°)	11079.4	45.8			
FH	(60°-80°)	11185.5	46.3			G4/12000
FVH	(80°-90°)	515.1	2.1			G4/750
BL	(0°-30°)	16.1	0.1	B0/110		
BM	(30°-60°)	14.3	0.1	B0/220		
BH	(60°-80°)	40.9	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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°	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
2.5°	170.6	170.6	170.6	164.0	164.0	157.5	157.5	150.9	144.4	144.4	137.8
5°	321.5	328.1	308.4	269.0	242.8	229.7	216.5	183.7	164.0	150.9	137.8
7.5°	879.3	853.0	813.7	682.4	524.9	446.2	380.6	269.0	196.9	157.5	137.8
10°	1850.4	1778.3	1666.7	1489.5	1181.1	1056.5	820.2	492.1	275.6	177.2	137.8
12.5°	2716.6	2729.7	2591.9	2421.3	2047.3	1837.3	1515.8	925.2	433.1	210.0	137.8
15°	3372.8	3359.7	3307.2	3169.4	2834.7	2631.3	2342.6	1555.2	728.4	262.5	144.4
17.5°	3891.2	3838.7	3819.0	3759.9	3543.4	3431.8	3116.9	2290.1	1154.9	354.3	150.9
20°	4409.6	4396.4	4376.7	4311.1	4166.8	4088.0	3845.2	3031.6	1719.2	505.3	164.0
22.5°	5164.2	5092.0	5105.1	4960.7	4842.6	4704.8	4508.0	3819.0	2368.8	721.8	183.7
25°	6050.0	6043.4	5938.5	5872.8	5676.0	5525.1	5262.6	4580.2	3090.6	1043.3	203.4
27.5°	7093.3	7021.2	6975.2	6863.7	6660.3	6489.7	6128.8	5334.8	3871.5	1404.2	229.7
30°	8182.6	8182.6	8097.3	7926.7	7729.8	7519.9	7152.4	6128.8	4645.8	1863.6	262.5
32.5°	9455.6	9481.8	9271.9	9016.0	8760.0	8615.7	8136.7	7027.7	5387.3	2388.5	301.8
35°	10689.2	10656.4	10308.6	10026.5	9836.2	9678.7	9271.9	8012.0	6227.2	2998.8	354.3
37.5°	11870.4	11785.0	11207.6	10807.3	10722.0	10617.0	10210.2	8996.3	7060.5	3674.6	420.0
40°	12716.8	12585.6	11988.5	11437.3	11312.6	11253.5	10938.6	9888.7	7939.8	4429.2	505.3
42.5°	13084.3	12933.4	12520.0	12073.8	11798.2	11660.4	11384.8	10617.0	8819.1	5269.2	629.9
45°	13156.5	13038.4	12743.1	12638.1	12264.1	12054.1	11680.1	11135.4	9639.3	6102.5	800.5
47.5°	12894.0	12841.5	12664.3	12887.4	12697.1	12408.4	11955.7	11522.6	10367.7	7113.0	1036.8
50°	12250.9	12211.6	12296.9	12880.9	13012.1	12684.0	12257.5	11824.4	10997.6	8156.4	1371.4
52.5°	11384.8	11378.2	11778.5	12710.3	13149.9	12946.5	12552.8	12126.3	11496.3	9166.9	1843.9
55°	10439.9	10551.4	11253.5	12552.8	13228.7	13136.8	12841.5	12395.3	11942.5	10105.2	2605.0
57.5°	10361.1	10315.2	10991.1	12487.2	13274.6	13327.1	13130.2	12677.5	12323.1	10873.0	3622.1
60°	11148.6	11043.6	11299.5	12625.0	13478.0	13569.9	13418.9	12894.0	12703.7	11476.6	4960.7
62.5°	12060.6	11962.2	12093.5	13156.5	13878.3	14009.5	13819.2	13117.1	13012.1	11896.6	6397.8
65°	12789.0	12710.3	12959.6	13950.5	14436.0	14547.6	14416.3	13530.5	13149.9	12237.8	7565.8
67.5°	12907.1	12808.7	13327.1	14482.0	15000.3	15079.1	14974.1	13930.8	13104.0	12264.1	7834.8
70°	12572.5	12487.2	13228.7	14652.6	15243.1	15308.8	14974.1	13740.5	12480.6	11594.8	6404.3
72.5°	11542.3	11607.9	12565.9	14239.2	14908.5	14606.6	13898.0	12782.4	11673.5	9829.6	4494.9
75°	9941.2	10013.4	11286.4	13104.0	13156.5	12789.0	12408.4	11758.8	10446.4	6476.5	3116.9
77.5°	7067.1	6811.2	8714.1	10820.5	10630.2	10866.4	10899.2	9783.7	8746.9	3372.8	2086.7
80°	695.6	590.6	1095.8	3103.7	6857.1	7664.2	7979.2	7539.5	6450.3	1509.2	1095.8
82.5°	150.9	150.9	164.0	177.2	275.6	413.4	1896.4	4645.8	4166.8	767.7	354.3
85°	85.3	85.3	105.0	124.7	164.0	183.7	216.5	288.7	1122.1	275.6	65.6
87.5°	65.6	72.2	85.3	105.0	137.8	150.9	183.7	229.7	282.2	255.9	19.7
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: NVN-SA5C-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
2.5°	137.8	131.2	124.7	118.1	111.6	111.6	105.0	105.0	105.0	105.0	105.0
5°	131.2	124.7	118.1	105.0	98.4	91.9	85.3	85.3	85.3	85.3	85.3
7.5°	131.2	124.7	111.6	98.4	85.3	78.7	72.2	65.6	65.6	72.2	72.2
10°	131.2	118.1	98.4	85.3	72.2	65.6	59.1	52.5	52.5	52.5	52.5
12.5°	124.7	111.6	91.9	78.7	65.6	52.5	39.4	32.8	32.8	32.8	32.8
15°	118.1	105.0	85.3	65.6	45.9	32.8	26.2	19.7	19.7	19.7	19.7
17.5°	118.1	98.4	78.7	59.1	32.8	19.7	13.1	6.6	6.6	6.6	13.1
20°	118.1	98.4	72.2	45.9	19.7	13.1	13.1	6.6	0.0	6.6	6.6
22.5°	118.1	91.9	59.1	32.8	19.7	13.1	6.6	0.0	0.0	0.0	0.0
25°	124.7	91.9	52.5	26.2	13.1	6.6	0.0	0.0	0.0	0.0	0.0
27.5°	124.7	85.3	45.9	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	131.2	85.3	39.4	13.1	6.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	131.2	78.7	26.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	131.2	72.2	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	131.2	65.6	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	137.8	59.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	144.4	52.5	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	150.9	45.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	170.6	45.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	196.9	45.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	236.2	45.9	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	308.4	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	446.2	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	748.0	39.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1312.4	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2217.9	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2893.8	45.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2198.2	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1049.9	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	465.9	26.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	203.4	19.7	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	78.7	13.1	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0	0.0
82.5°	32.8	13.1	6.6	6.6	6.6	6.6	6.6	0.0	0.0	0.0	0.0
85°	19.7	13.1	13.1	13.1	6.6	6.6	6.6	0.0	0.0	0.0	0.0
87.5°	13.1	13.1	13.1	13.1	13.1	6.6	6.6	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

REPORT NUMBER: SP1-2407-184-10

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 $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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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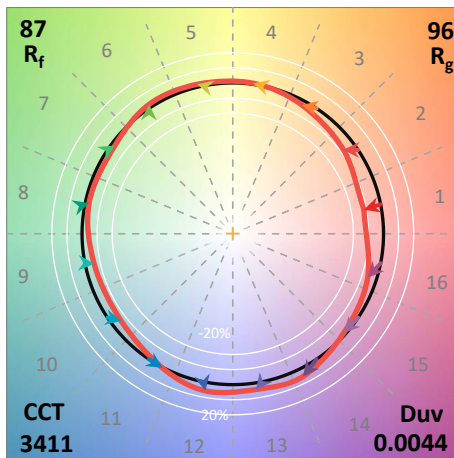
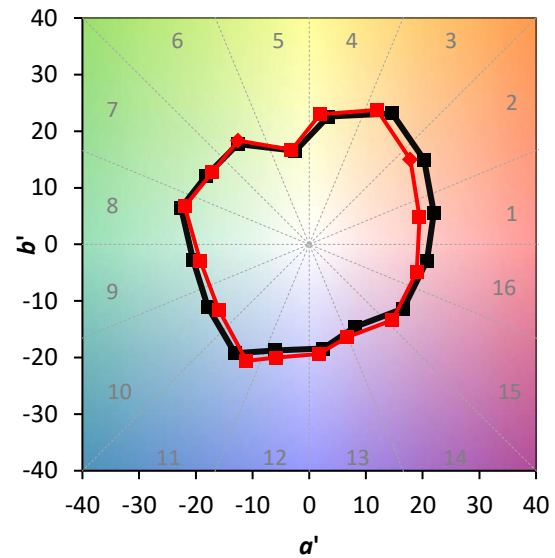
TM-30-18

Summary

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



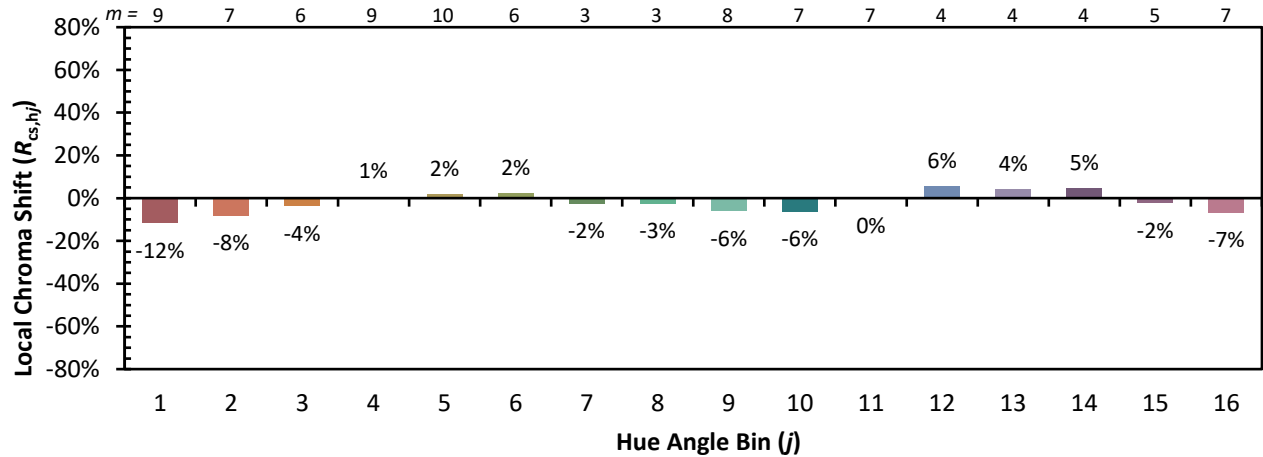
Color Vector Graphics

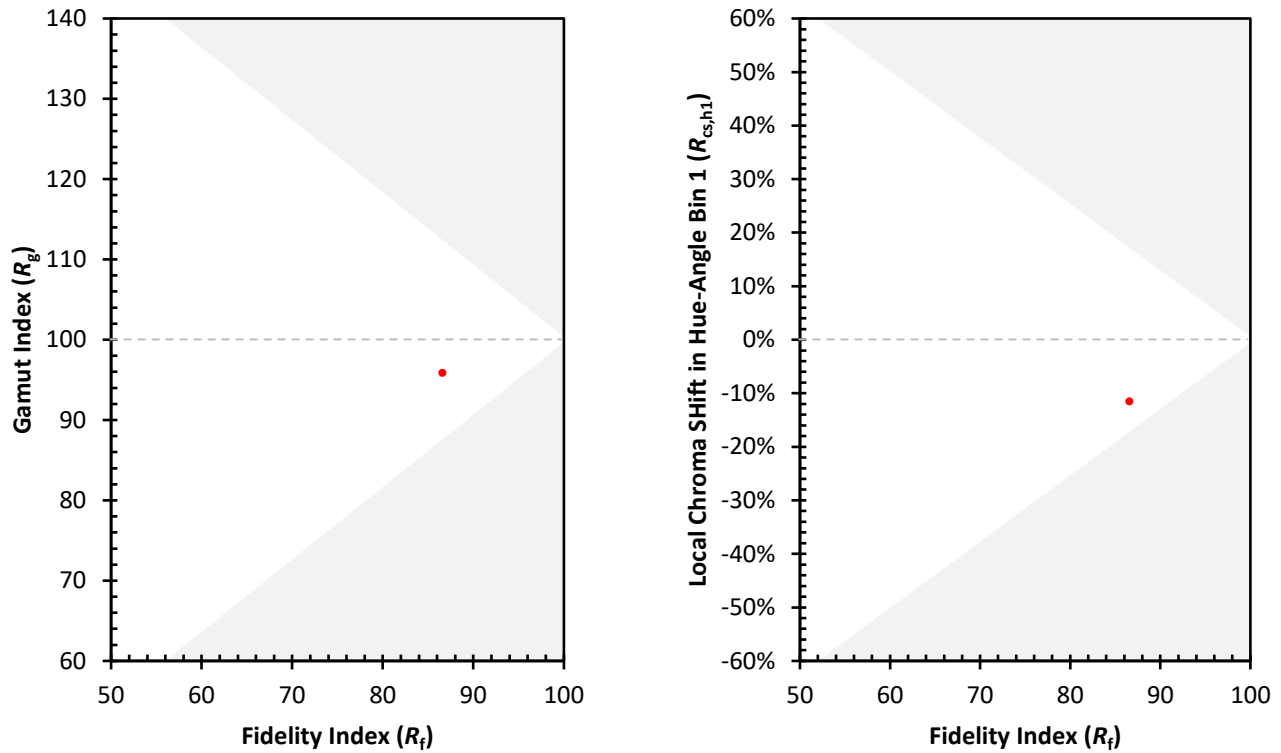


Individual Sample Fidelity Index ($R_{f,i}$)

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)