

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: P1067379

Luminaire Tested: **NAV-SA4C-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067379
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-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18975.1 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

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



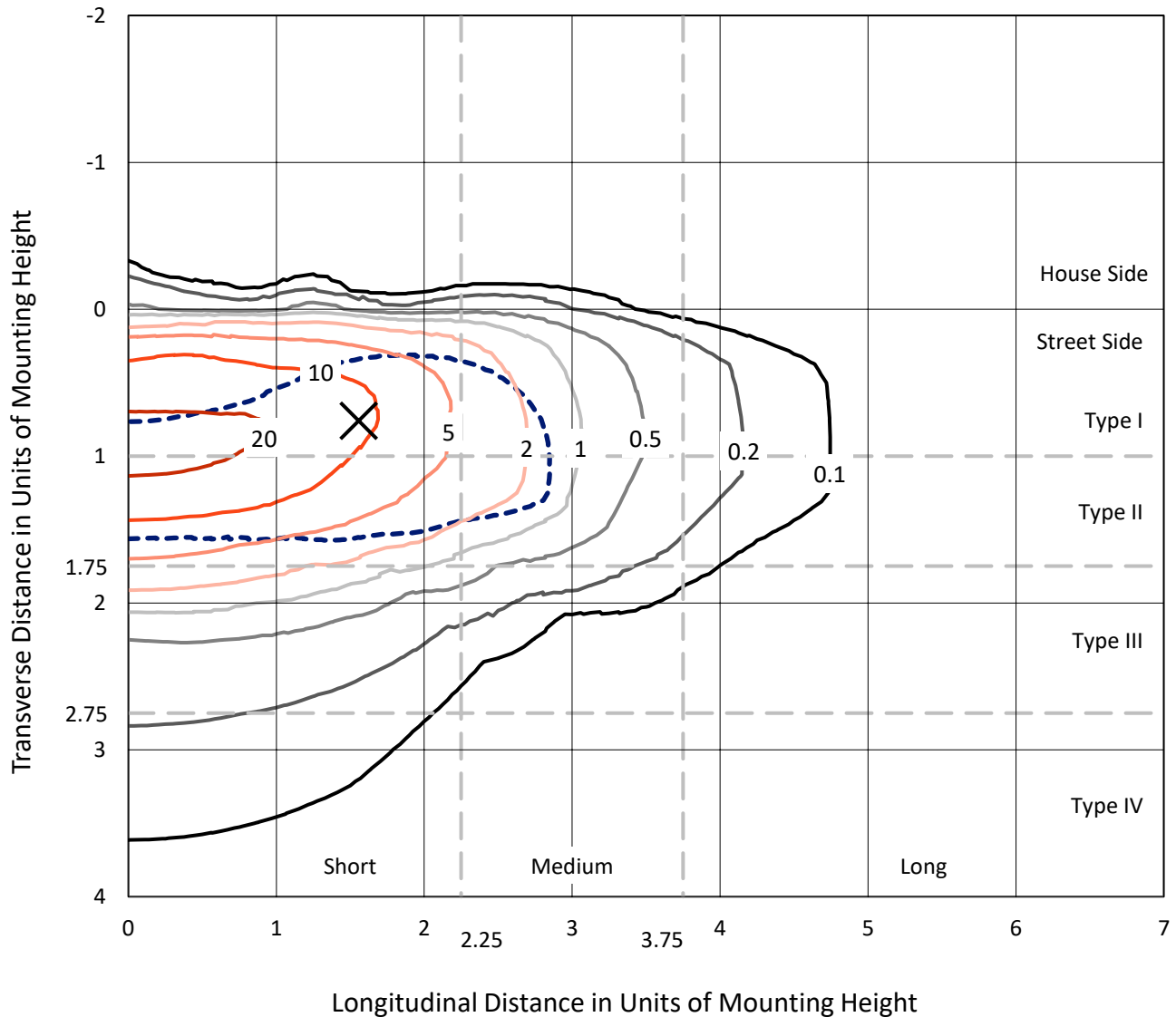
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

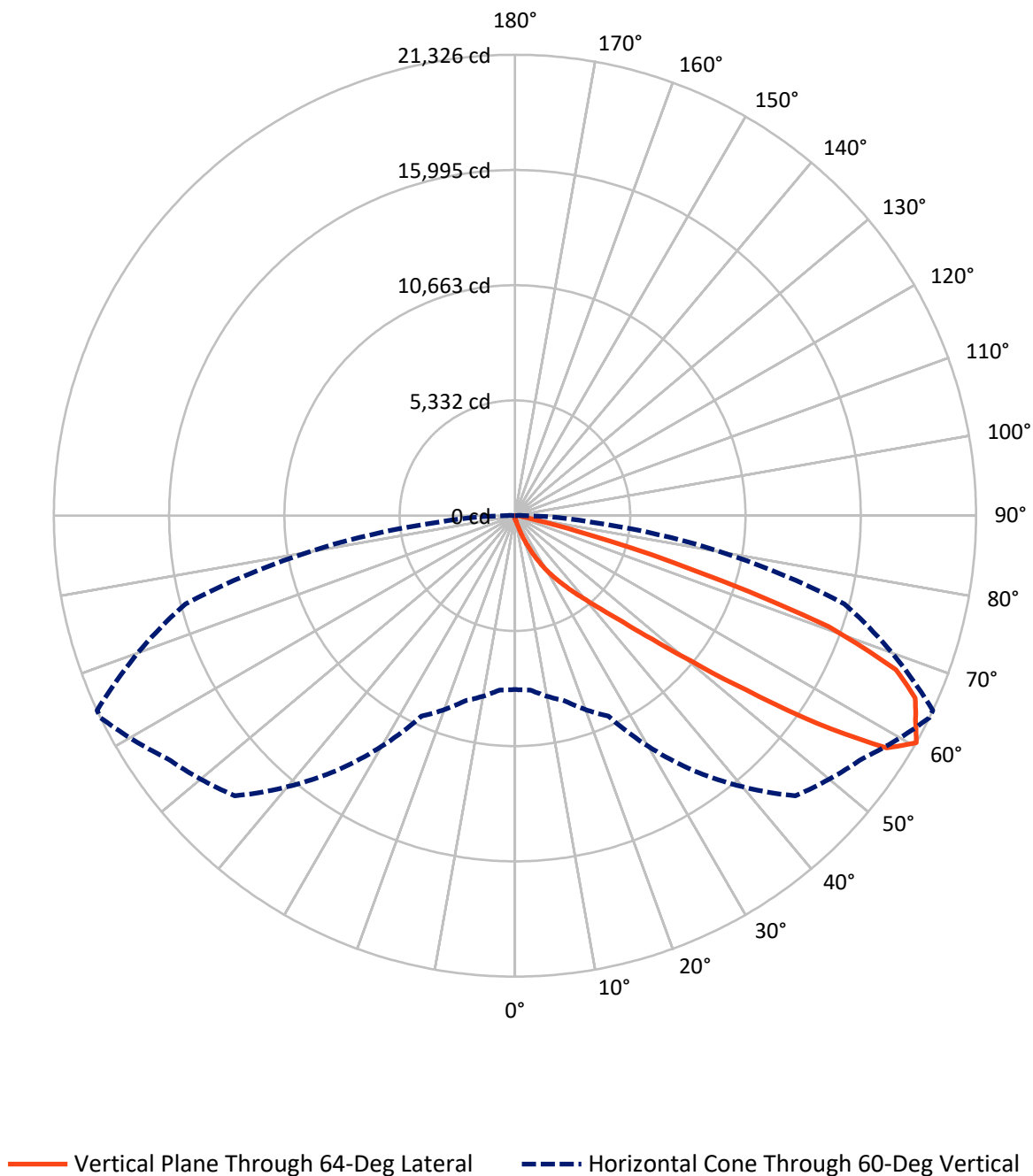


Based on 15 foot mounting height. Maximum calculated value = 27.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: NAV-SA4C-835-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	76.9	0.0	76.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18898.2	0.0	18898.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	18975.1	0.0	18975.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.9	0.1
10°-20°	186.5	1.0
20°-30°	619.3	3.3
30°-40°	1652.5	8.7
40°-50°	4200.2	22.1
50°-60°	6123.0	32.3
60°-70°	4729.4	24.9
70°-80°	1298.8	6.8
80°-90°	146.6	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°	18975.1	100.0
0°-180°	18975.1	100.0



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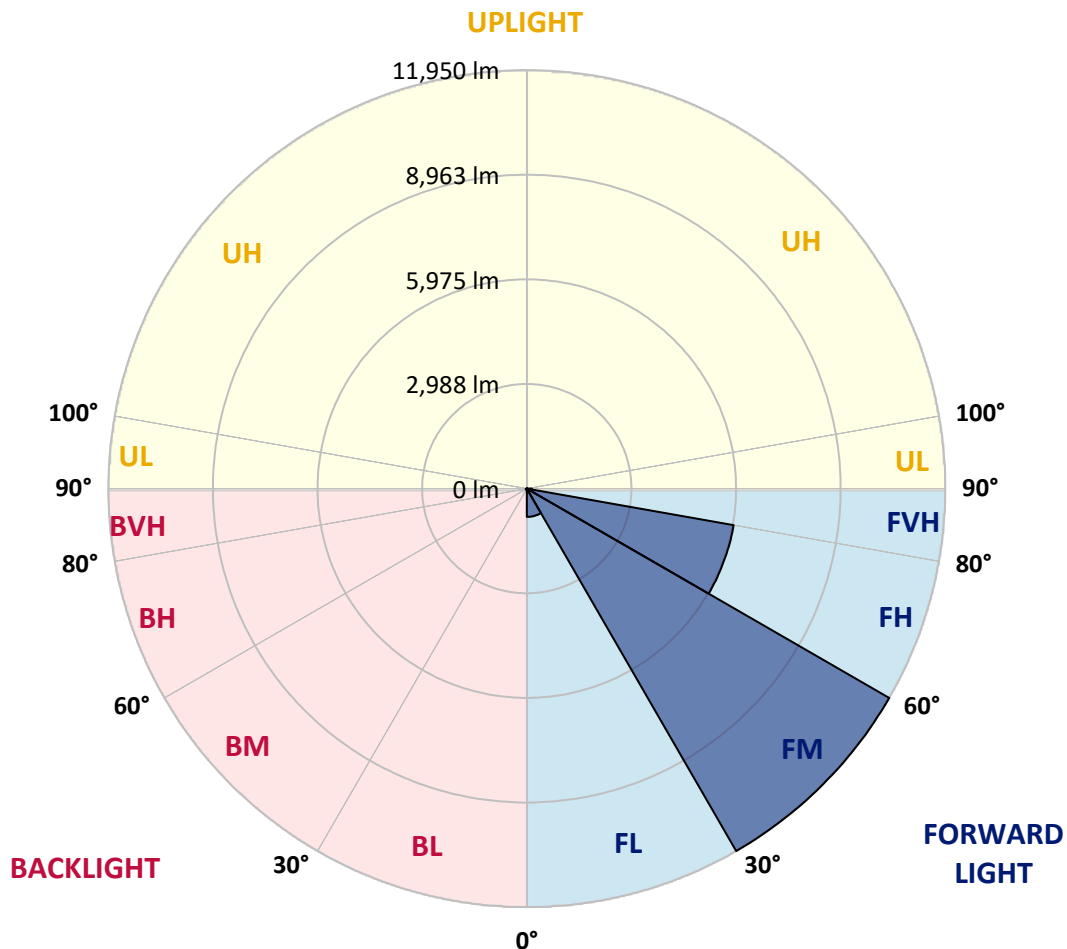
CATALOG NUMBER: NAV-SA4C-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	807.4	4.3			
FM	(30°-60°)	11950.2	63.0			
FH	(60°-80°)	5997.5	31.6			G3/7500
FVH	(80°-90°)	143.1	0.8			G2/225
BL	(0°-30°)	17.3	0.1	B0/110		
BM	(30°-60°)	25.5	0.1	B0/220		
BH	(60°-80°)	30.7	0.2	B0/110		G0/110
BVH	(80°-90°)	3.5	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-G3

Type II Short



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CATALOG NUMBER: NAV-SA4C-835-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4
2.5°	167.1	167.1	167.1	161.9	156.7	156.7	151.5	146.2	146.2	135.8	130.6
5°	255.9	255.9	245.5	235.0	219.4	198.5	177.6	161.9	161.9	146.2	135.8
7.5°	501.4	517.1	470.1	412.6	334.3	282.1	224.6	188.0	182.8	156.7	135.8
10°	1086.4	1076.0	1002.8	861.8	679.0	491.0	313.4	229.8	219.4	167.1	135.8
12.5°	1634.9	1650.5	1572.2	1415.5	1196.1	872.3	538.0	297.7	287.3	182.8	135.8
15°	2104.9	2104.9	2052.7	1974.4	1734.1	1394.6	867.0	444.0	407.4	198.5	130.6
17.5°	2428.8	2423.5	2402.7	2381.8	2240.7	1890.8	1326.7	710.4	626.8	235.0	130.6
20°	2794.4	2778.7	2804.8	2763.1	2653.4	2376.5	1812.4	1055.1	976.7	297.7	130.6
22.5°	3175.7	3191.4	3212.2	3170.5	3050.3	2810.1	2324.3	1499.0	1415.5	412.6	135.8
25°	3661.4	3651.0	3698.0	3661.4	3510.0	3227.9	2804.8	1984.8	1864.7	574.5	146.2
27.5°	4256.9	4236.0	4267.3	4173.3	3974.8	3687.6	3233.1	2481.0	2340.0	825.3	167.1
30°	5045.6	5061.2	4920.2	4810.5	4528.5	4147.2	3708.4	3013.8	2867.5	1123.0	188.0
32.5°	6288.7	6179.0	5959.6	5515.7	5144.8	4659.1	4183.8	3478.6	3348.1	1504.3	219.4
35°	8226.5	8247.4	7766.9	6670.0	5865.6	5301.5	4706.1	3990.5	3896.5	1937.8	261.2
37.5°	10587.4	10529.9	10106.8	8722.7	6920.7	6100.7	5301.5	4549.4	4413.6	2407.9	313.4
40°	13261.6	13021.4	12775.9	11835.7	9119.7	7103.5	6053.7	5197.1	5092.6	2951.1	397.0
42.5°	15403.1	15340.4	15382.2	14990.5	12786.3	8811.5	7051.3	5991.0	5865.6	3624.9	543.2
45°	16458.2	16369.4	16620.1	16912.6	16348.5	12446.8	8660.0	7004.3	6837.1	4418.8	767.8
47.5°	16176.1	16113.5	16651.5	17226.0	17978.1	16661.9	11287.3	8519.0	8231.7	5437.3	1102.1
50°	14786.8	14792.0	15674.7	16745.5	17936.4	18798.2	15178.5	10592.6	10232.2	6790.1	1624.4
52.5°	13434.0	13475.8	14410.7	15972.4	17314.8	19048.9	18594.5	13387.0	12802.0	8383.2	2240.7
55°	12044.6	12065.5	12890.8	15089.7	17022.3	18302.0	20349.5	16985.7	16364.2	10368.0	2841.4
57.5°	10707.5	10707.5	11015.7	12969.1	16703.7	18234.1	20140.5	20276.3	19769.7	12634.8	3285.4
60°	8043.7	8095.9	8863.7	10232.2	14405.5	18333.3	19607.8	21326.2	21326.2	15779.2	3624.9
62.5°	4063.6	4142.0	5097.8	6429.7	9882.2	16964.8	19691.3	20798.7	20882.2	18552.7	4397.9
65°	1906.5	1995.2	2507.1	3447.3	5317.2	11940.2	18824.3	20349.5	20323.3	18025.2	6027.5
67.5°	1368.5	1394.6	1567.0	2010.9	2862.3	5233.6	14368.9	19007.1	19017.6	15314.3	6931.1
70°	1227.4	1227.4	1269.2	1399.8	1723.6	2340.0	6983.4	15392.7	16139.6	11825.3	6424.5
72.5°	1211.8	1201.3	1190.9	1196.1	1164.8	1175.2	2397.4	8691.4	9756.9	8273.5	5123.9
75°	1180.4	1180.4	1170.0	1133.4	929.7	757.4	825.3	3515.2	4063.6	5526.1	3802.5
77.5°	934.9	1029.0	1138.7	1070.7	851.4	569.3	480.5	1018.5	1284.9	3389.8	2757.8
80°	433.5	438.7	433.5	454.4	543.2	407.4	355.2	496.2	501.4	1880.3	1708.0
82.5°	313.4	318.6	302.9	271.6	240.3	219.4	292.5	365.6	391.7	861.8	637.2
85°	94.0	88.8	104.5	141.0	167.1	193.3	245.5	308.2	323.8	318.6	94.0
87.5°	41.8	41.8	52.2	73.1	99.2	146.2	214.1	282.1	287.3	329.1	26.1
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-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4
2.5°	130.6	125.4	120.1	114.9	109.7	104.5	99.2	99.2	104.5	104.5	104.5
5°	125.4	120.1	109.7	99.2	94.0	88.8	83.6	83.6	88.8	88.8	88.8
7.5°	125.4	114.9	104.5	94.0	83.6	78.3	73.1	73.1	73.1	78.3	78.3
10°	125.4	114.9	99.2	83.6	73.1	67.9	62.7	57.5	62.7	62.7	62.7
12.5°	120.1	109.7	94.0	78.3	62.7	52.2	47.0	47.0	47.0	47.0	47.0
15°	114.9	104.5	88.8	67.9	52.2	41.8	31.3	31.3	31.3	36.6	36.6
17.5°	109.7	99.2	78.3	52.2	36.6	26.1	20.9	20.9	20.9	26.1	26.1
20°	109.7	94.0	67.9	41.8	26.1	15.7	10.4	10.4	10.4	15.7	20.9
22.5°	109.7	94.0	62.7	31.3	15.7	10.4	5.2	5.2	5.2	5.2	5.2
25°	109.7	88.8	57.5	26.1	10.4	5.2	0.0	0.0	5.2	10.4	15.7
27.5°	109.7	83.6	47.0	15.7	10.4	5.2	0.0	5.2	10.4	10.4	10.4
30°	109.7	83.6	41.8	15.7	5.2	0.0	0.0	5.2	10.4	10.4	15.7
32.5°	114.9	78.3	36.6	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	120.1	73.1	31.3	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	130.6	73.1	20.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	146.2	78.3	20.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	182.8	83.6	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	255.9	104.5	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	376.1	156.7	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	548.4	214.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	673.8	214.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	668.6	135.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	511.9	94.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	433.5	67.9	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	522.3	52.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	929.7	47.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1493.8	47.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1671.4	47.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1305.8	41.8	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	715.6	36.6	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	360.4	26.1	10.4	5.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	151.5	20.9	10.4	5.2	5.2	5.2	0.0	0.0	0.0	0.0	0.0
82.5°	52.2	20.9	10.4	10.4	5.2	5.2	0.0	0.0	0.0	0.0	0.0
85°	26.1	15.7	15.7	10.4	10.4	5.2	5.2	0.0	0.0	0.0	0.0
87.5°	15.7	15.7	15.7	10.4	10.4	5.2	5.2	0.0	0.0	0.0	5.2
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: SP1-2407-184-10

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

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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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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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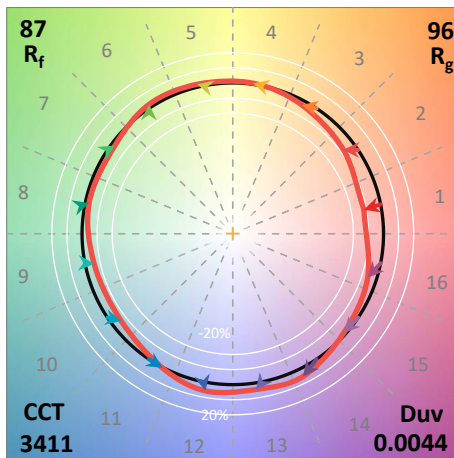
TM-30-18

Summary

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



Color Vector Graphics



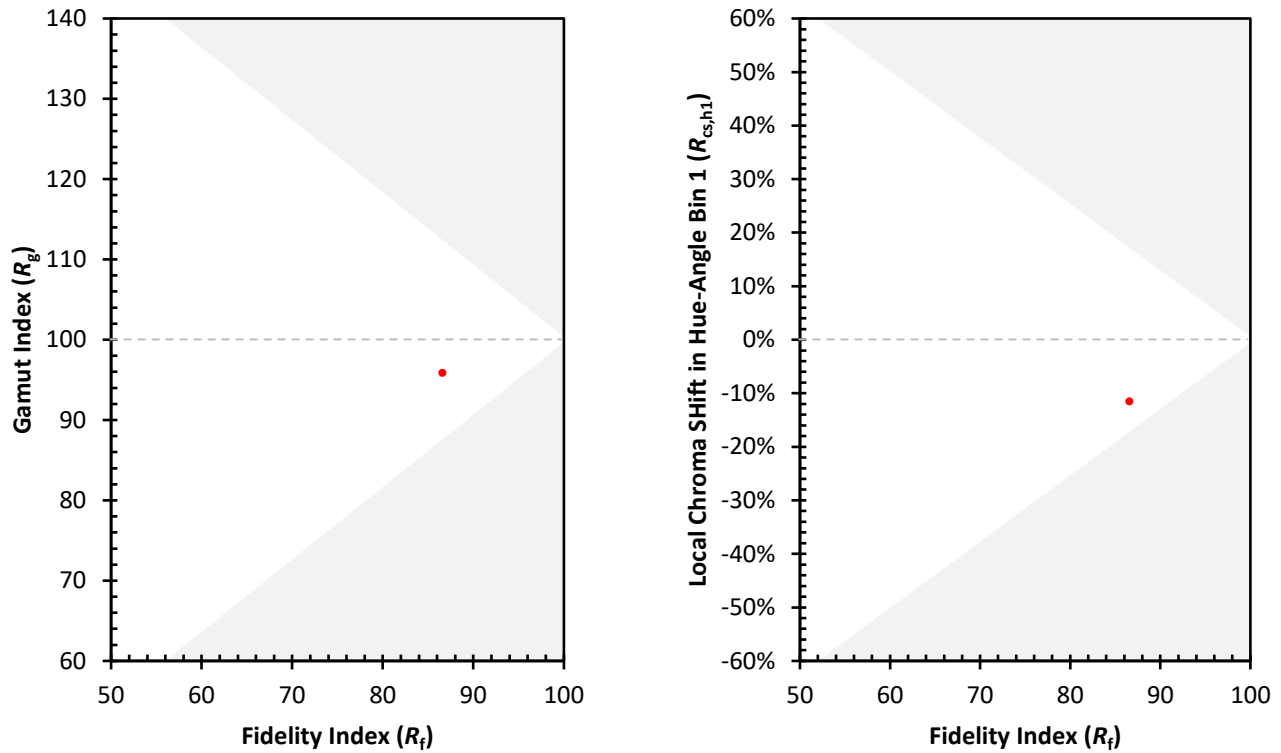
Individual Sample Fidelity Index ($R_{f,i}$)

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)