

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: P1067365

Luminaire Tested: **NAV-SA1A-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067365
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3187.2 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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



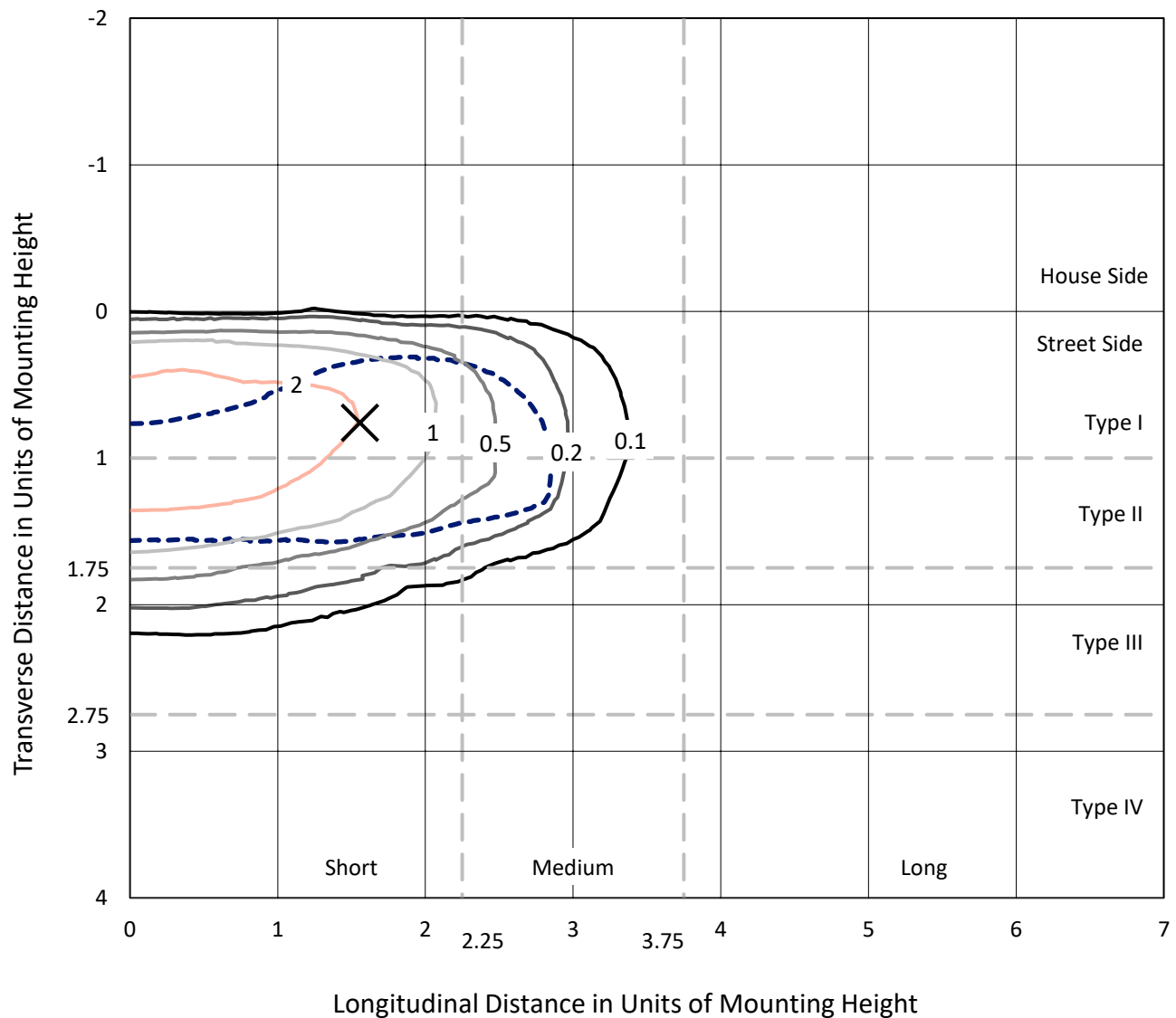
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

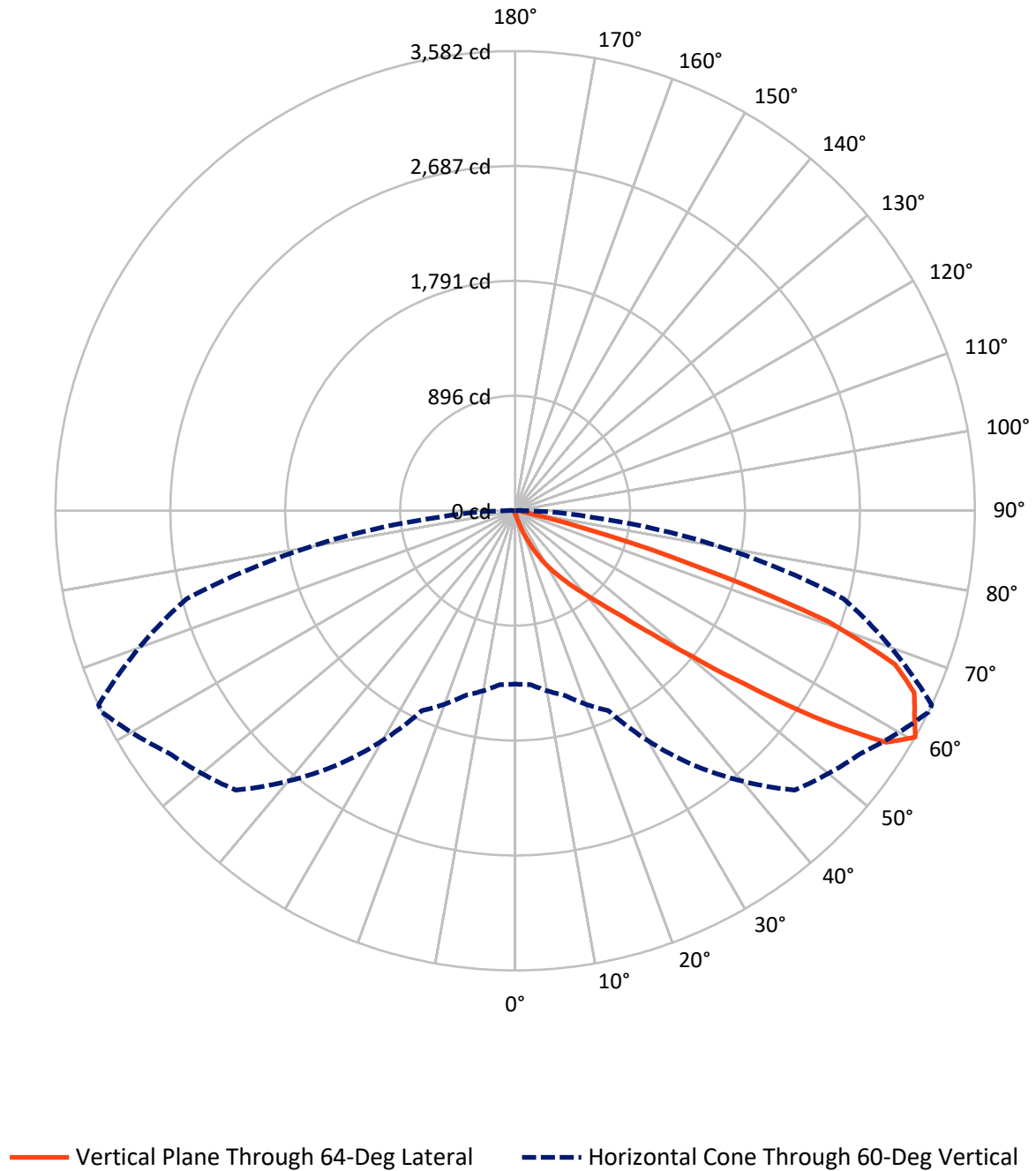


Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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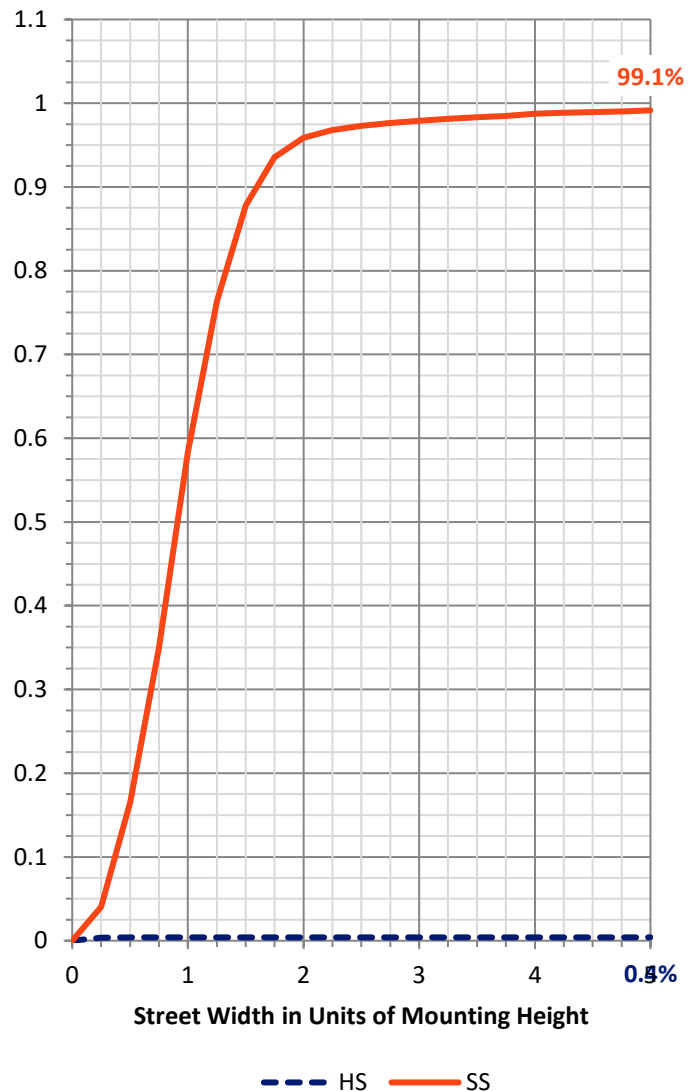
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.9	0.0	12.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3174.3	0.0	3174.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	3187.2	0.0	3187.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	31.3	1.0
20°-30°	104.0	3.3
30°-40°	277.6	8.7
40°-50°	705.5	22.1
50°-60°	1028.5	32.3
60°-70°	794.4	24.9
70°-80°	218.2	6.8
80°-90°	24.6	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°	3187.2	100.0
0°-180°	3187.2	100.0



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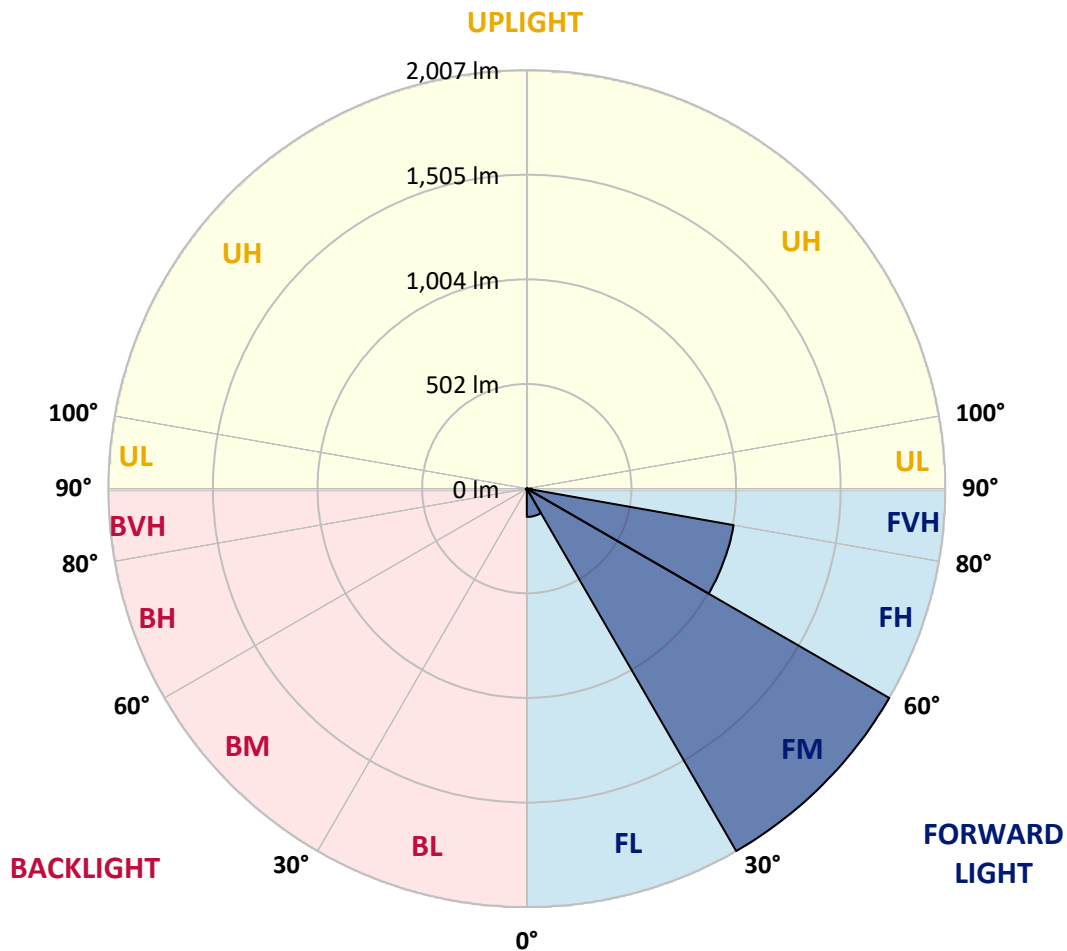
CATALOG NUMBER: NAV-SA1A-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.6	4.3			
FM	(30°-60°)	2007.2	63.0			
FH	(60°-80°)	1007.4	31.6			G1/1800
FVH	(80°-90°)	24.0	0.8			G1/100
BL	(0°-30°)	2.9	0.1	B0/110		
BM	(30°-60°)	4.3	0.1	B0/220		
BH	(60°-80°)	5.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1

Type II Short



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CATALOG NUMBER: NAV-SA1A-835-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
2.5°	28.1	28.1	28.1	27.2	26.3	26.3	25.4	24.6	24.6	22.8	21.9
5°	43.0	43.0	41.2	39.5	36.8	33.3	29.8	27.2	27.2	24.6	22.8
7.5°	84.2	86.9	79.0	69.3	56.1	47.4	37.7	31.6	30.7	26.3	22.8
10°	182.5	180.7	168.4	144.8	114.1	82.5	52.6	38.6	36.8	28.1	22.8
12.5°	274.6	277.2	264.1	237.8	200.9	146.5	90.4	50.0	48.3	30.7	22.8
15°	353.6	353.6	344.8	331.6	291.3	234.2	145.6	74.6	68.4	33.3	21.9
17.5°	408.0	407.1	403.6	400.1	376.4	317.6	222.8	119.3	105.3	39.5	21.9
20°	469.4	466.7	471.1	464.1	445.7	399.2	304.4	177.2	164.1	50.0	21.9
22.5°	533.4	536.0	539.6	532.5	512.4	472.0	390.4	251.8	237.8	69.3	22.8
25°	615.0	613.2	621.1	615.0	589.6	542.2	471.1	333.4	313.2	96.5	24.6
27.5°	715.0	711.5	716.8	701.0	667.6	619.4	543.1	416.7	393.0	138.6	28.1
30°	847.5	850.1	826.4	808.0	760.6	696.6	622.9	506.2	481.6	188.6	31.6
32.5°	1056.3	1037.9	1001.0	926.4	864.2	782.6	702.7	584.3	562.4	252.7	36.8
35°	1381.8	1385.3	1304.6	1120.3	985.2	890.5	790.5	670.3	654.5	325.5	43.9
37.5°	1778.3	1768.7	1697.6	1465.1	1162.4	1024.7	890.5	764.1	741.3	404.4	52.6
40°	2227.5	2187.2	2145.9	1988.0	1531.8	1193.2	1016.8	872.9	855.4	495.7	66.7
42.5°	2587.2	2576.7	2583.7	2517.9	2147.7	1480.0	1184.4	1006.3	985.2	608.9	91.2
45°	2764.4	2749.5	2791.6	2840.8	2746.0	2090.7	1454.6	1176.5	1148.4	742.2	129.0
47.5°	2717.1	2706.5	2796.9	2893.4	3019.7	2798.6	1895.9	1430.9	1382.7	913.3	185.1
50°	2483.7	2484.6	2632.8	2812.7	3012.7	3157.5	2549.5	1779.2	1718.7	1140.5	272.8
52.5°	2256.5	2263.5	2420.5	2682.8	2908.3	3199.6	3123.3	2248.6	2150.3	1408.1	376.4
55°	2023.1	2026.6	2165.2	2534.6	2859.2	3074.1	3418.0	2853.0	2748.6	1741.5	477.3
57.5°	1798.5	1798.5	1850.3	2178.4	2805.7	3062.7	3382.9	3405.8	3320.7	2122.2	551.8
60°	1351.1	1359.8	1488.8	1718.7	2419.6	3079.4	3293.5	3582.1	3582.1	2650.4	608.9
62.5°	682.6	695.7	856.3	1080.0	1659.9	2849.5	3307.5	3493.5	3507.5	3116.2	738.7
65°	320.2	335.1	421.1	579.0	893.1	2005.6	3161.9	3418.0	3413.6	3027.6	1012.4
67.5°	229.9	234.2	263.2	337.8	480.8	879.1	2413.5	3192.6	3194.3	2572.3	1164.2
70°	206.2	206.2	213.2	235.1	289.5	393.0	1173.0	2585.5	2710.9	1986.3	1079.1
72.5°	203.5	201.8	200.0	200.9	195.6	197.4	402.7	1459.9	1638.8	1389.7	860.7
75°	198.3	198.3	196.5	190.4	156.2	127.2	138.6	590.4	682.6	928.2	638.7
77.5°	157.0	172.8	191.3	179.9	143.0	95.6	80.7	171.1	215.8	569.4	463.2
80°	72.8	73.7	72.8	76.3	91.2	68.4	59.7	83.3	84.2	315.8	286.9
82.5°	52.6	53.5	50.9	45.6	40.4	36.8	49.1	61.4	65.8	144.8	107.0
85°	15.8	14.9	17.5	23.7	28.1	32.5	41.2	51.8	54.4	53.5	15.8
87.5°	7.0	7.0	8.8	12.3	16.7	24.6	36.0	47.4	48.3	55.3	4.4
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
2.5°	21.9	21.1	20.2	19.3	18.4	17.5	16.7	16.7	17.5	17.5	17.5
5°	21.1	20.2	18.4	16.7	15.8	14.9	14.0	14.0	14.9	14.9	14.9
7.5°	21.1	19.3	17.5	15.8	14.0	13.2	12.3	12.3	12.3	13.2	13.2
10°	21.1	19.3	16.7	14.0	12.3	11.4	10.5	9.7	10.5	10.5	10.5
12.5°	20.2	18.4	15.8	13.2	10.5	8.8	7.9	7.9	7.9	7.9	7.9
15°	19.3	17.5	14.9	11.4	8.8	7.0	5.3	5.3	5.3	6.1	6.1
17.5°	18.4	16.7	13.2	8.8	6.1	4.4	3.5	3.5	3.5	4.4	4.4
20°	18.4	15.8	11.4	7.0	4.4	2.6	1.8	1.8	1.8	2.6	3.5
22.5°	18.4	15.8	10.5	5.3	2.6	1.8	0.9	0.9	0.9	0.9	0.9
25°	18.4	14.9	9.7	4.4	1.8	0.9	0.0	0.0	0.9	1.8	2.6
27.5°	18.4	14.0	7.9	2.6	1.8	0.9	0.0	0.9	1.8	1.8	1.8
30°	18.4	14.0	7.0	2.6	0.9	0.0	0.0	0.9	1.8	1.8	2.6
32.5°	19.3	13.2	6.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	20.2	12.3	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	21.9	12.3	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	24.6	13.2	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	30.7	14.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	43.0	17.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	63.2	26.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	92.1	36.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	113.2	36.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	112.3	22.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	86.0	15.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	72.8	11.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	87.7	8.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	156.2	7.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	250.9	7.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	280.7	7.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	219.3	7.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	120.2	6.1	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	60.5	4.4	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	25.4	3.5	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	8.8	3.5	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	4.4	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9
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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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



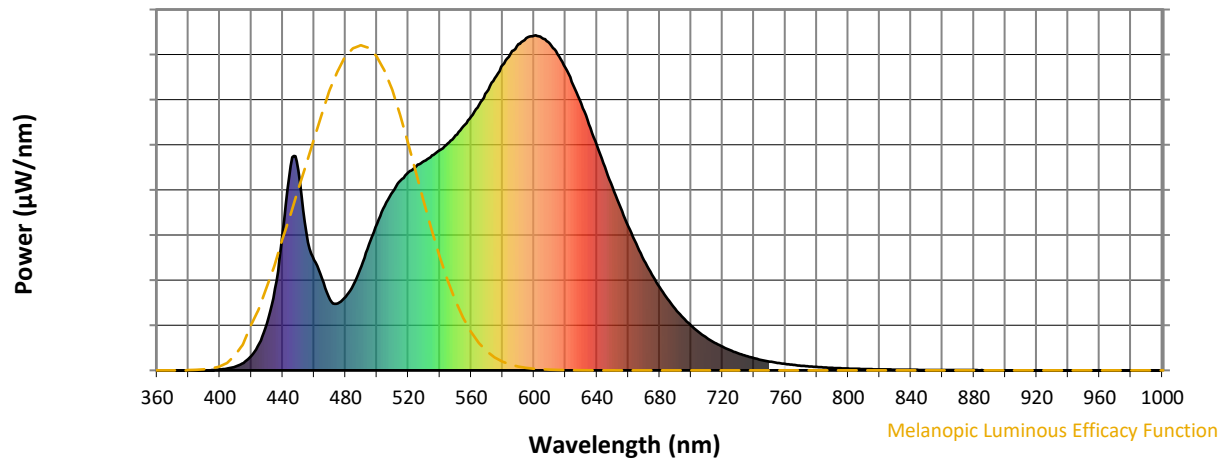
Scotopic Lumens: NR

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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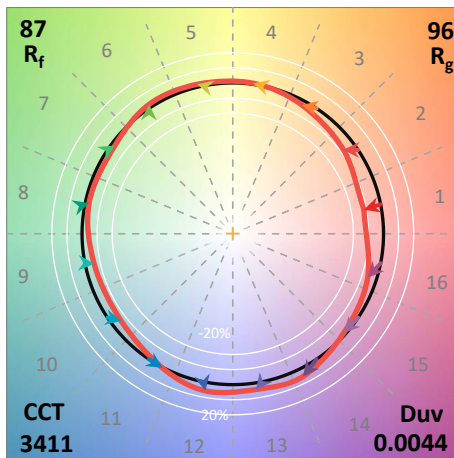
TM-30-18

Summary

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

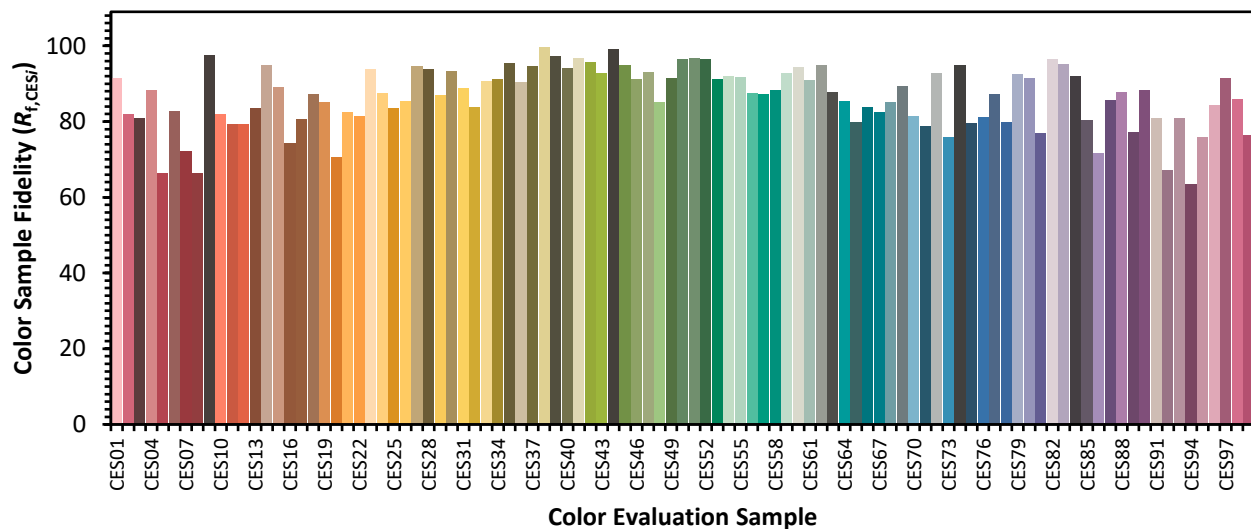


Color Vector Graphics



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)