

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: P1067078

Luminaire Tested: **NAV-SA1B-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067078
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3553 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 37.9
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

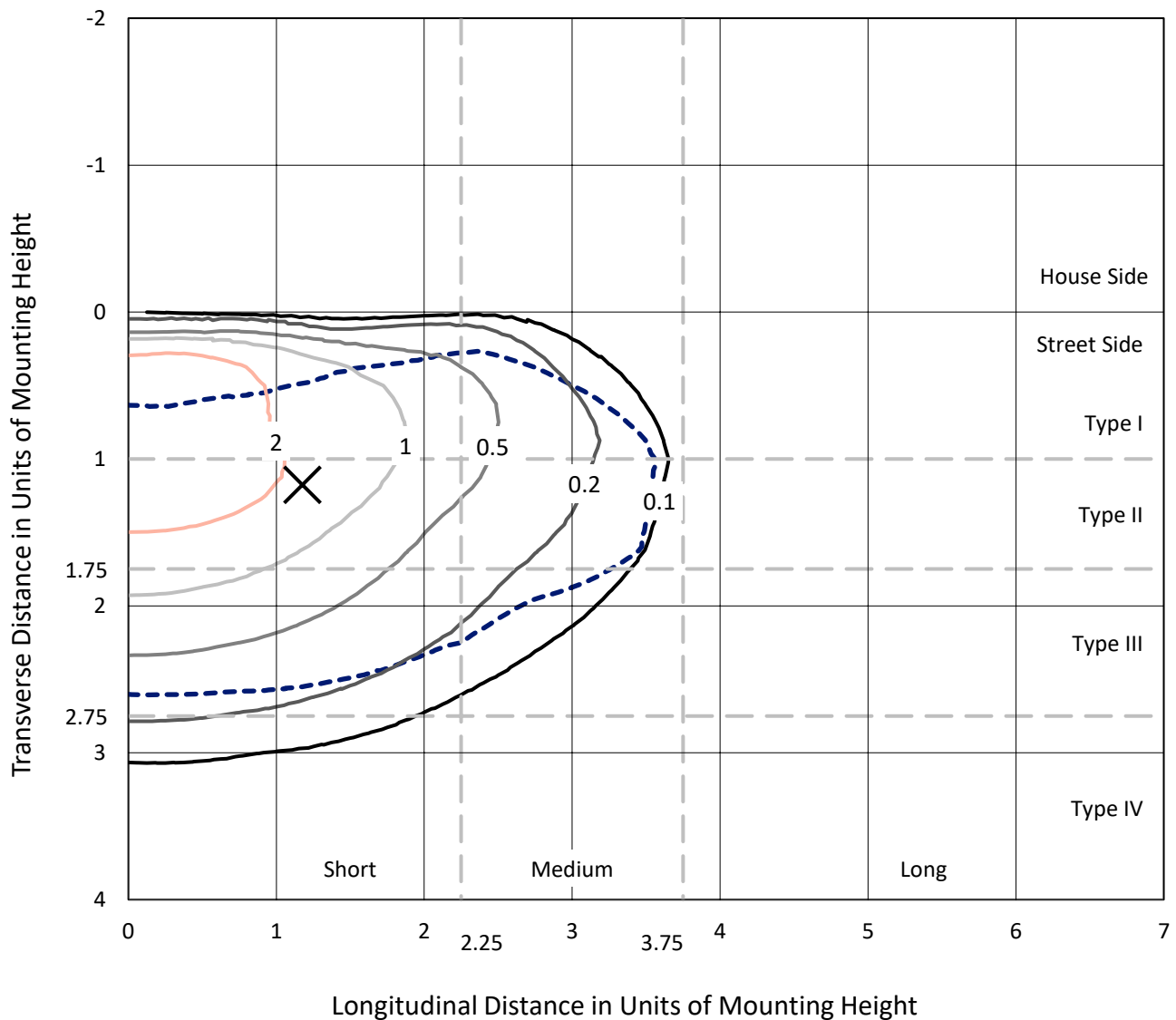


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

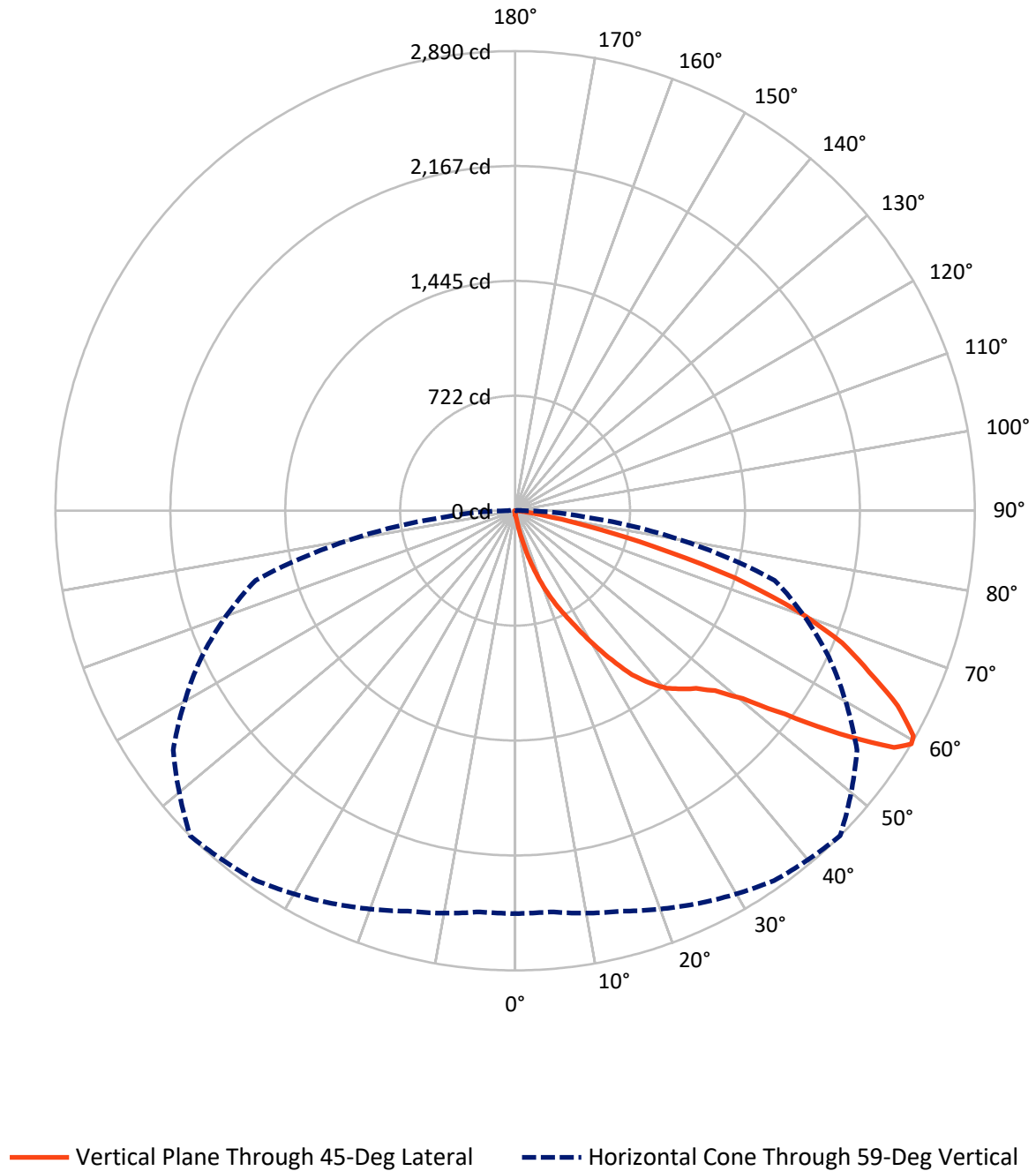


Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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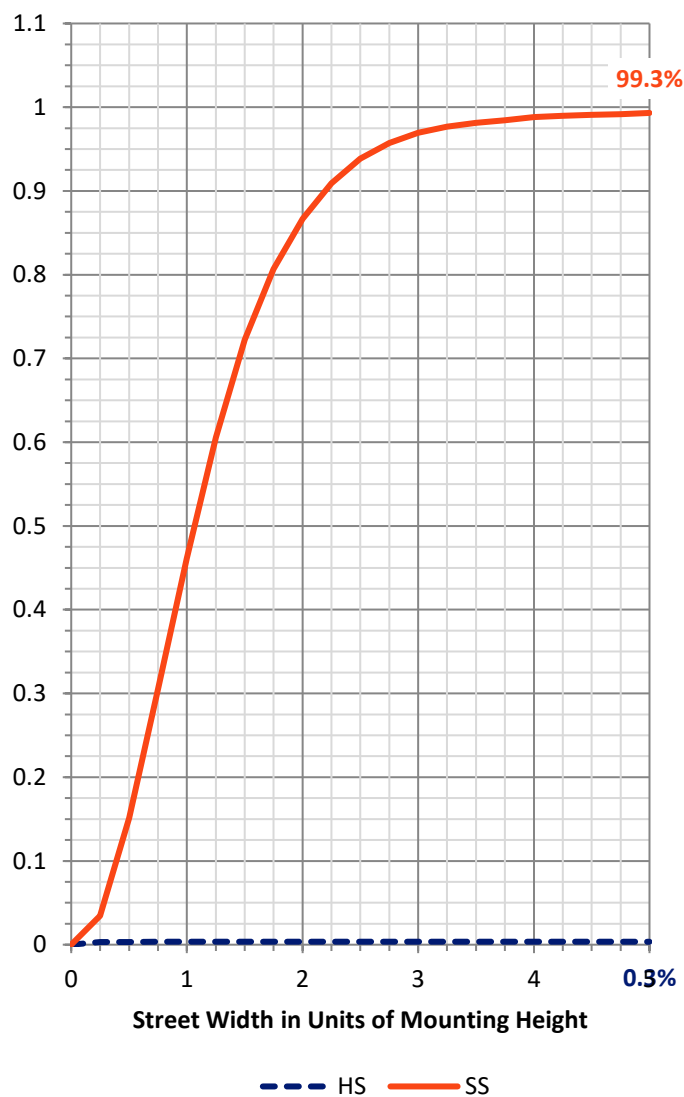
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12.6	0.0	12.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3540.4	0.0	3540.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	3553.0	0.0	3553.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	39.3	1.1
20°-30°	141.1	4.0
30°-40°	327.9	9.2
40°-50°	558.9	15.7
50°-60°	920.9	25.9
60°-70°	1064.7	30.0
70°-80°	457.4	12.9
80°-90°	39.5	1.1
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°	3553.0	100.0
0°-180°	3553.0	100.0



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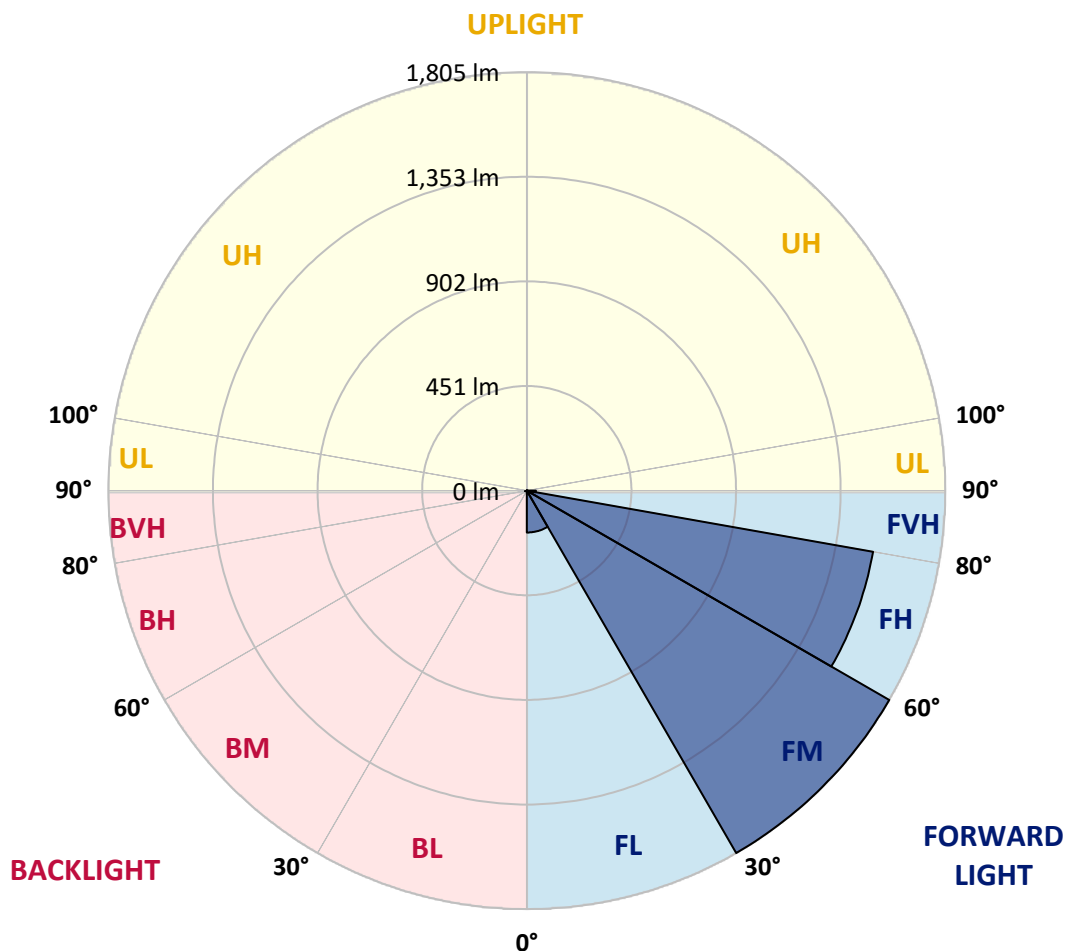
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.6	5.1			
FM	(30°-60°)	1804.6	50.8			
FH	(60°-80°)	1516.2	42.7			G1/1800
FVH	(80°-90°)	39.0	1.1			G1/100
BL	(0°-30°)	3.1	0.1	B0/110		
BM	(30°-60°)	3.1	0.1	B0/220		
BH	(60°-80°)	5.9	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type III Short



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CATALOG NUMBER: NAV-SA1B-827-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	29.1	29.1	28.4	27.5	27.2	26.5	26.5	25.8	24.8	24.1	23.2
5°	42.3	42.0	40.1	37.7	34.6	32.7	32.7	30.1	27.7	25.6	23.7
7.5°	92.5	90.3	83.4	71.9	56.9	46.8	46.1	37.5	31.8	27.5	23.9
10°	212.1	204.7	194.9	167.5	123.8	86.5	84.8	54.7	38.0	29.6	24.4
12.5°	347.6	353.6	334.0	290.7	239.6	178.2	166.3	92.2	50.2	32.5	24.8
15°	470.9	469.4	458.5	423.1	364.1	282.4	275.0	160.3	71.9	37.0	25.3
17.5°	563.1	561.4	550.9	528.2	482.8	401.1	394.7	255.6	112.8	43.5	25.8
20°	660.3	658.2	643.4	625.2	585.6	516.0	508.4	362.2	176.6	54.0	25.8
22.5°	776.9	772.9	757.1	726.3	684.5	624.0	617.1	471.1	255.6	71.2	27.0
25°	917.9	910.9	889.2	861.5	811.1	730.8	723.4	592.5	351.0	97.2	28.2
27.5°	1078.7	1079.8	1050.5	1003.6	936.0	854.1	840.2	701.2	449.6	134.5	29.6
30°	1269.5	1257.6	1216.3	1161.8	1096.1	991.7	978.3	809.4	560.5	189.5	32.0
32.5°	1448.2	1435.3	1379.7	1311.1	1240.6	1130.5	1119.5	931.0	661.3	254.4	36.3
35°	1601.6	1592.5	1514.7	1431.0	1368.4	1270.0	1266.7	1066.7	779.8	324.4	41.1
37.5°	1736.6	1720.1	1620.0	1533.3	1469.7	1381.6	1374.4	1190.9	894.0	405.7	48.3
40°	1851.7	1842.7	1720.6	1606.6	1555.0	1476.2	1467.1	1299.9	1012.0	500.0	57.1
42.5°	1975.0	1963.1	1844.6	1716.8	1621.7	1537.4	1531.4	1389.7	1117.1	603.7	70.2
45°	2114.3	2092.1	1988.2	1873.5	1729.0	1600.7	1594.0	1469.7	1224.9	715.0	86.2
47.5°	2263.1	2243.8	2159.7	2079.2	1912.9	1705.1	1690.7	1537.8	1331.9	843.6	106.6
50°	2414.6	2415.1	2352.0	2313.3	2137.7	1874.7	1854.4	1637.9	1444.4	981.2	136.7
52.5°	2590.9	2595.5	2594.5	2565.8	2429.7	2152.1	2124.8	1789.9	1575.1	1141.7	178.2
55°	2664.7	2672.9	2725.7	2789.2	2752.2	2503.7	2474.6	2052.0	1748.3	1320.7	239.9
57.5°	2604.3	2613.4	2686.2	2797.6	2882.6	2811.7	2808.3	2393.1	1976.5	1537.6	340.7
59°	2532.4	2531.2	2606.0	2724.0	2838.7	2884.8	2889.6	2623.9	2175.2	1689.8	427.6
60°	2484.6	2485.6	2535.3	2656.4	2778.2	2858.3	2876.9	2759.8	2291.3	1799.2	502.2
62.5°	2300.2	2311.2	2350.6	2463.1	2578.7	2668.1	2699.9	2881.0	2623.7	2057.7	761.4
65°	2099.7	2100.4	2156.6	2252.9	2363.7	2426.6	2446.6	2692.5	2845.6	2321.0	1101.4
67.5°	1742.1	1756.7	1820.5	1976.5	2122.9	2202.5	2217.8	2343.7	2753.6	2492.5	1271.7
70°	1219.1	1238.2	1329.3	1531.6	1749.7	1880.4	1879.5	1948.3	2423.4	2416.0	1078.2
72.5°	608.7	641.7	716.0	932.7	1196.9	1402.1	1445.4	1567.2	1946.8	2006.8	804.4
75°	269.0	270.9	313.2	422.4	594.9	855.5	894.2	1244.0	1493.6	1394.7	581.0
77.5°	156.5	157.9	165.6	189.7	241.1	419.3	462.8	815.9	1055.5	810.6	378.9
80°	56.9	58.3	58.1	71.9	105.6	165.1	184.0	395.4	704.1	426.9	198.5
82.5°	34.9	34.9	33.7	33.9	38.5	63.3	69.3	168.4	342.8	210.2	56.9
85°	17.2	18.2	19.4	21.7	25.8	31.3	33.2	48.3	115.4	50.9	13.6
87.5°	10.3	10.5	11.5	13.9	17.2	22.5	23.9	32.7	41.3	34.2	3.3
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°	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
2.5°	22.7	22.5	21.3	20.3	19.4	18.4	17.7	17.0	17.0	17.2	17.0
5°	22.7	21.7	19.8	18.2	16.7	15.5	14.3	13.4	13.1	13.1	13.4
7.5°	22.5	21.3	18.6	16.5	14.6	12.9	11.7	10.5	10.3	10.5	10.3
10°	22.2	20.8	17.7	15.1	12.4	10.8	9.1	7.9	7.9	7.9	8.1
12.5°	22.2	20.1	16.7	13.6	10.8	8.8	7.2	6.0	5.7	5.7	5.7
15°	22.0	19.6	15.8	11.9	9.1	6.7	5.3	4.1	4.1	4.1	4.1
17.5°	21.5	18.9	14.6	10.5	7.2	5.0	3.6	2.4	2.4	2.9	2.9
20°	21.0	18.2	13.1	8.6	6.0	3.8	2.4	1.4	1.4	2.2	2.4
22.5°	21.3	18.2	12.2	7.6	4.8	2.9	1.9	1.2	1.0	1.7	2.2
25°	21.5	17.7	11.0	6.7	3.6	2.2	1.4	0.5	0.2	0.5	0.7
27.5°	21.5	17.2	9.6	5.3	2.6	1.7	0.7	0.0	0.0	0.0	0.0
30°	21.3	16.5	8.4	4.3	1.9	1.0	0.2	0.0	0.0	0.0	0.0
32.5°	21.0	15.8	7.6	3.3	1.7	0.5	0.0	0.0	0.0	0.0	0.0
35°	21.3	14.8	6.7	2.6	1.0	0.0	0.0	0.0	0.0	0.0	0.5
37.5°	22.0	13.9	5.7	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	22.9	13.1	4.8	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	24.8	13.1	4.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	27.2	13.1	3.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	30.3	13.4	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	34.2	13.9	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	37.0	13.4	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	42.0	12.9	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	48.7	12.2	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	55.4	11.2	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	63.1	10.8	2.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	104.2	9.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	201.2	9.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	325.1	9.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	341.9	9.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	227.4	7.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	121.8	6.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	65.7	6.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	28.9	4.5	1.2	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.5	3.1	1.4	1.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0
85°	5.5	2.4	1.9	1.7	1.2	0.7	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.4	2.2	1.9	1.7	1.2	0.2	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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

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 2700K 4-step quadrangle

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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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.16

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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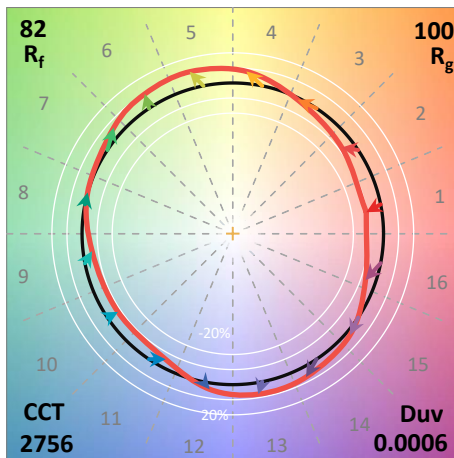
TM-30-18

Summary

$R_f = 82.2$
 $R_g = 99.9$
 $CIE R_a = 82.9$
 $R_9 = 10.8$



Color Vector Graphics

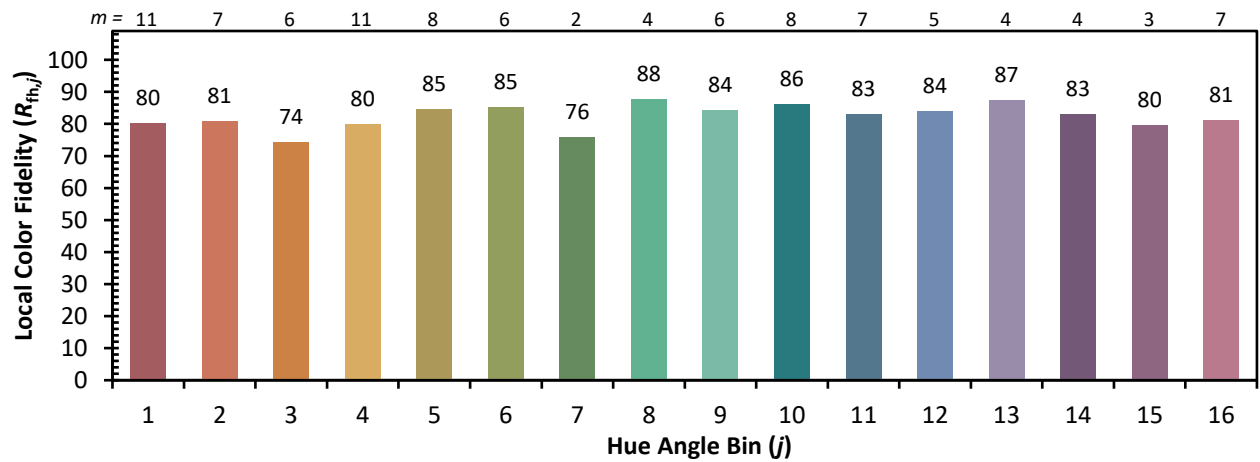
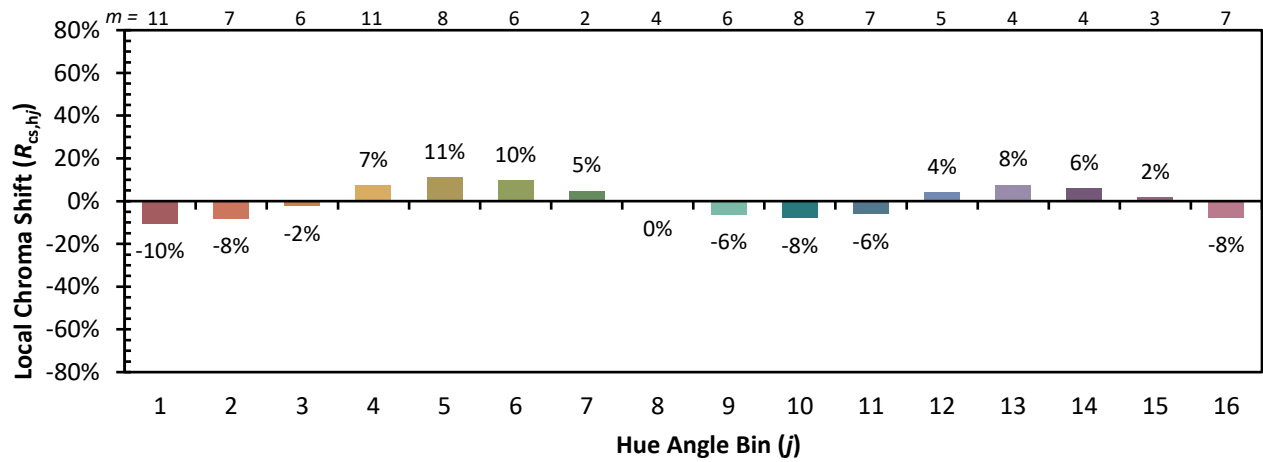


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)