

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: P1067336

Luminaire Tested: **NAV-SA5D-827-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067336
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5D-827-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22026.8 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 269.7
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



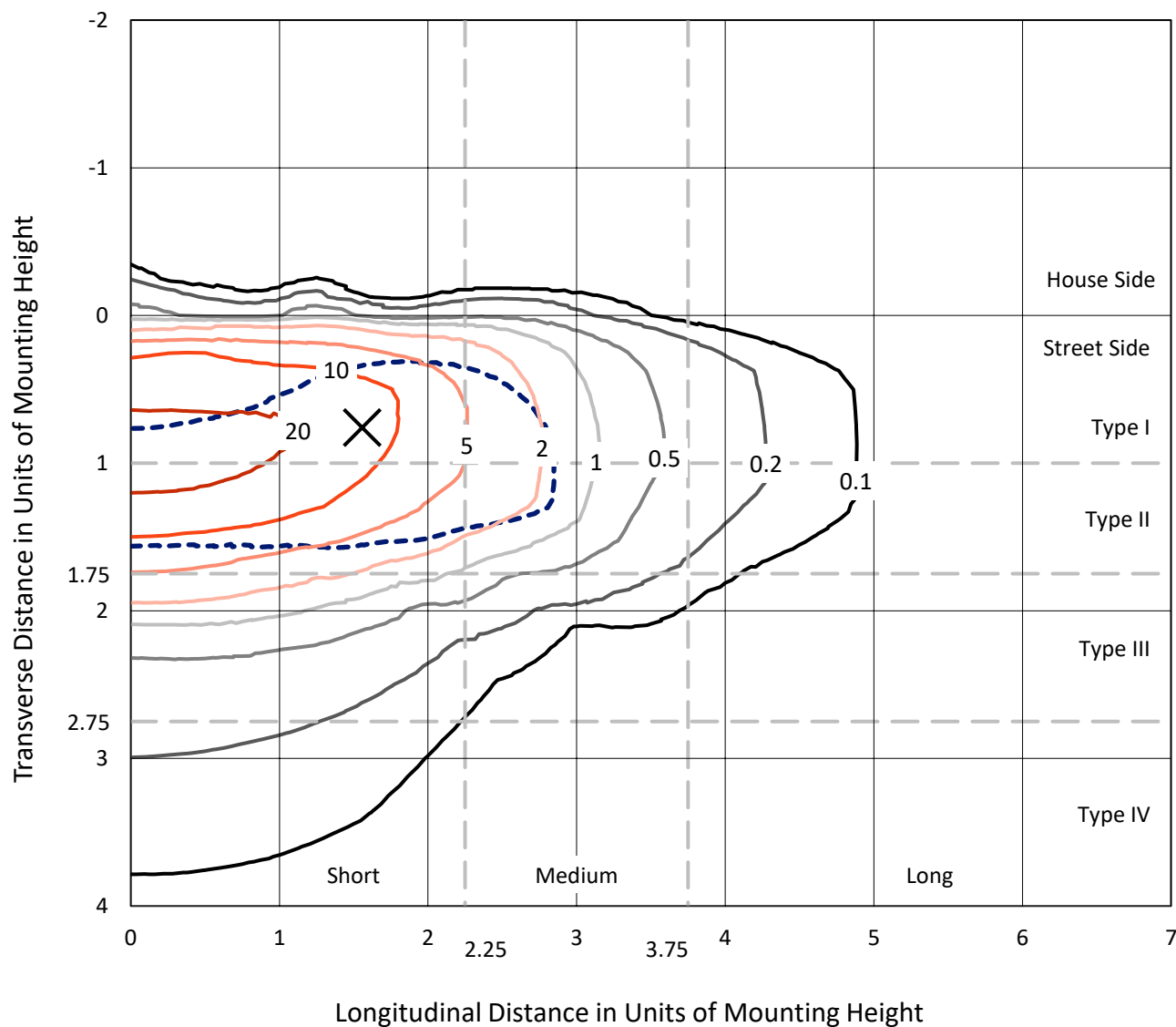
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

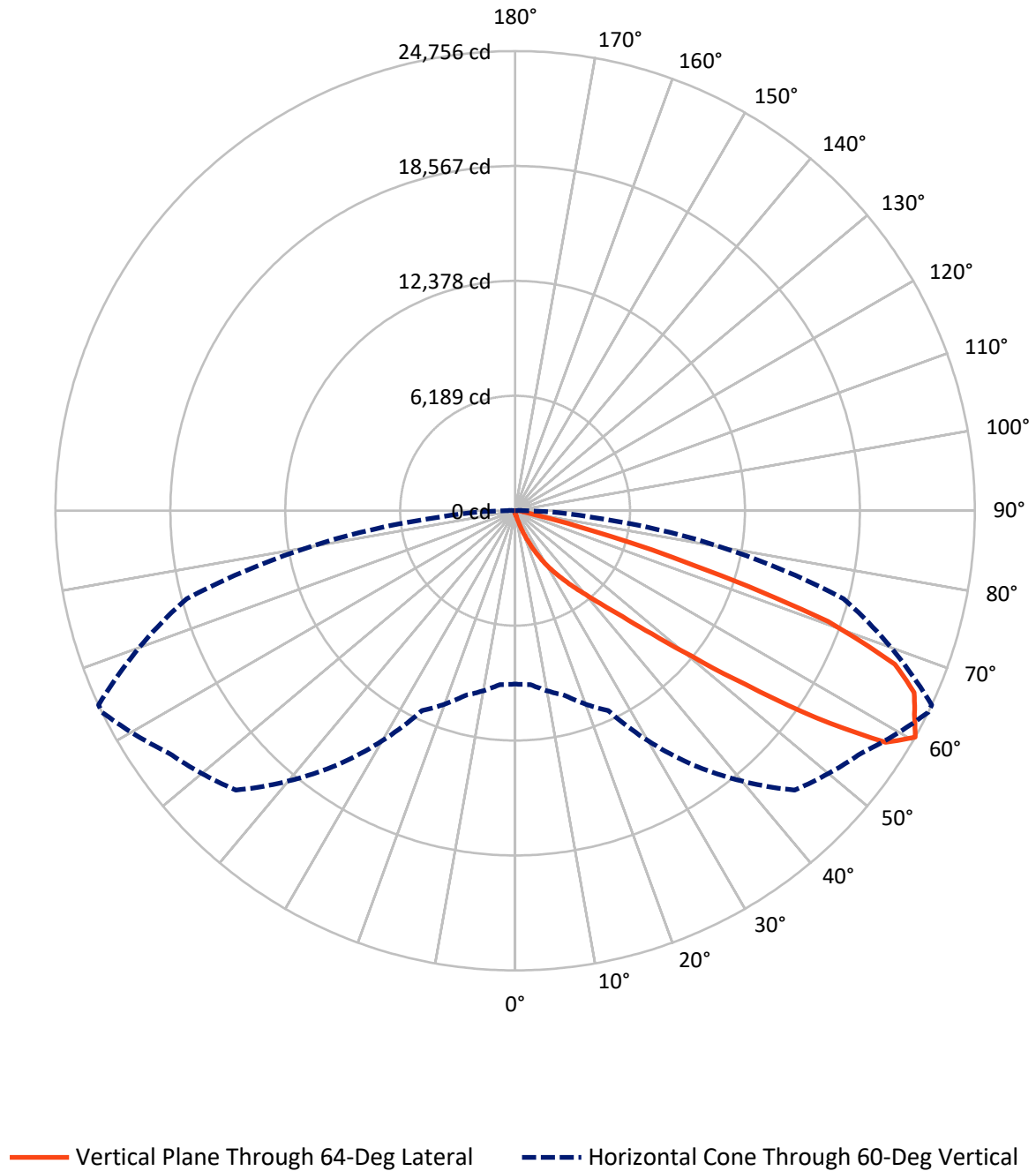


Based on 15 foot mounting height. Maximum calculated value = 31.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	89.3	0.0	89.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	21937.5	0.0	21937.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	22026.8	0.0	22026.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	0.1
10°-20°	216.5	1.0
20°-30°	718.9	3.3
30°-40°	1918.2	8.7
40°-50°	4875.7	22.1
50°-60°	7107.7	32.3
60°-70°	5490.0	24.9
70°-80°	1507.7	6.8
80°-90°	170.2	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°	22026.8	100.0
0°-180°	22026.8	100.0



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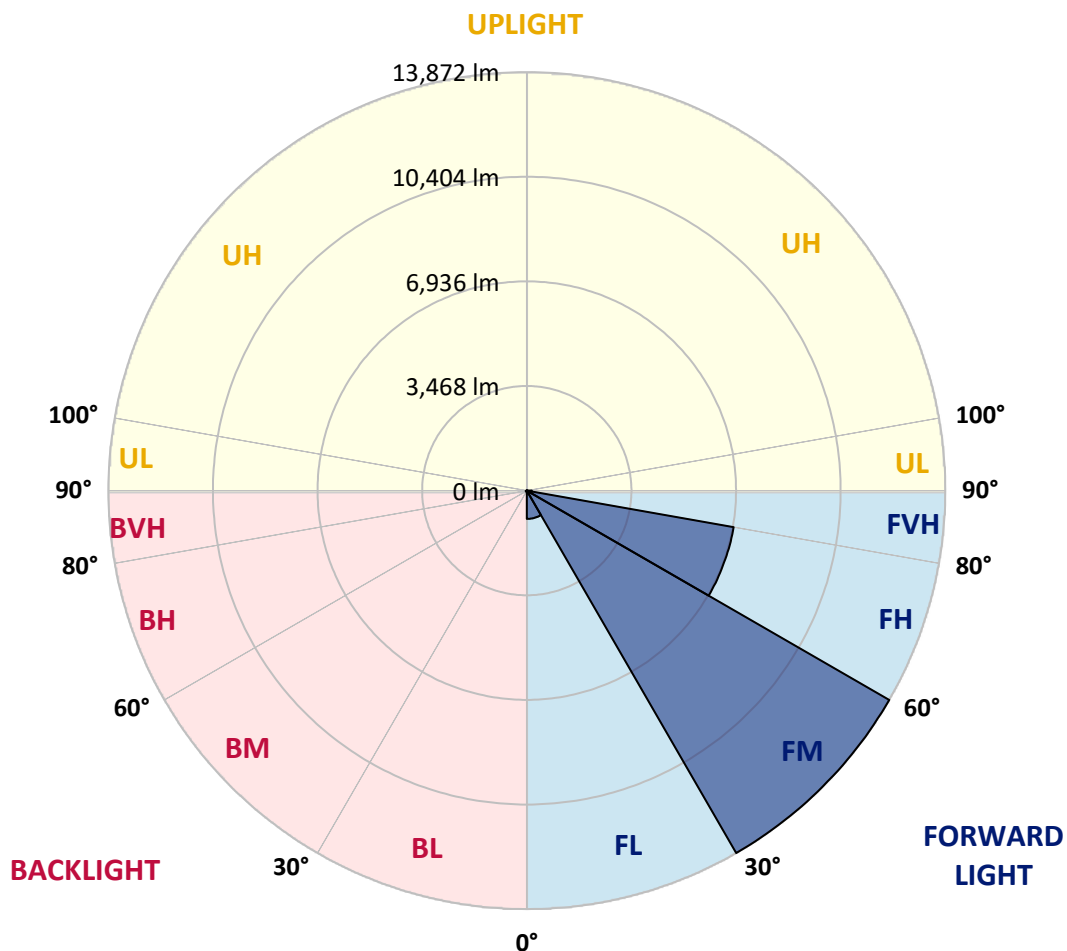
CATALOG NUMBER: NAV-SA5D-827-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	937.2	4.3			
FM	(30°-60°)	13872.1	63.0			
FH	(60°-80°)	6962.1	31.6			G3/7500
FVH	(80°-90°)	166.2	0.8			G2/225
BL	(0°-30°)	20.1	0.1	B0/110		
BM	(30°-60°)	29.6	0.1	B0/220		
BH	(60°-80°)	35.6	0.2	B0/110		G0/110
BVH	(80°-90°)	4.0	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



REPORT NUMBER: P1067336

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	194.0	194.0	194.0	188.0	181.9	181.9	175.8	169.8	169.8	157.6	151.6
5°	297.1	297.1	285.0	272.8	254.7	230.4	206.1	188.0	188.0	169.8	157.6
7.5°	582.1	600.3	545.7	479.0	388.0	327.4	260.7	218.3	212.2	181.9	157.6
10°	1261.1	1249.0	1164.1	1000.4	788.2	569.9	363.8	266.8	254.7	194.0	157.6
12.5°	1897.8	1916.0	1825.0	1643.1	1388.5	1012.6	624.5	345.6	333.5	212.2	157.6
15°	2443.5	2443.5	2382.8	2291.9	2013.0	1618.9	1006.5	515.4	472.9	230.4	151.6
17.5°	2819.4	2813.3	2789.1	2764.8	2601.1	2194.9	1540.1	824.6	727.6	272.8	151.6
20°	3243.8	3225.6	3255.9	3207.4	3080.1	2758.8	2103.9	1224.8	1133.8	345.6	151.6
22.5°	3686.4	3704.6	3728.9	3680.4	3540.9	3262.0	2698.1	1740.1	1643.1	479.0	157.6
25°	4250.3	4238.2	4292.7	4250.3	4074.5	3747.1	3255.9	2304.0	2164.6	667.0	169.8
27.5°	4941.5	4917.2	4953.6	4844.5	4614.1	4280.6	3753.1	2880.0	2716.3	958.0	194.0
30°	5857.0	5875.2	5711.5	5584.2	5256.8	4814.2	4304.9	3498.5	3328.7	1303.6	218.3
32.5°	7300.1	7172.8	6918.1	6402.7	5972.2	5408.4	4856.6	4038.1	3886.5	1746.2	254.7
35°	9549.5	9573.8	9016.0	7742.7	6809.0	6154.1	5462.9	4632.3	4523.1	2249.4	303.2
37.5°	12290.1	12223.4	11732.3	10125.5	8033.7	7081.8	6154.1	5281.0	5123.4	2795.1	363.8
40°	15394.4	15115.5	14830.6	13739.2	10586.3	8245.9	7027.2	6032.9	5911.6	3425.7	460.8
42.5°	17880.3	17807.6	17856.1	17401.4	14842.7	10228.6	8185.3	6954.5	6809.0	4207.9	630.6
45°	19105.1	19002.0	19293.1	19632.6	18977.8	14448.6	10052.8	8130.7	7936.7	5129.5	891.3
47.5°	18777.7	18704.9	19329.5	19996.4	20869.5	19341.6	13102.6	9889.1	9555.6	6311.8	1279.3
50°	17164.9	17171.0	18195.6	19438.6	20821.0	21821.4	17619.6	12296.1	11877.8	7882.1	1885.7
52.5°	15594.5	15643.0	16728.3	18541.2	20099.5	22112.5	21585.0	15540.0	14860.9	9731.4	2601.1
55°	13981.7	14006.0	14964.0	17516.6	19759.9	21245.4	23622.2	19717.5	18996.0	12035.4	3298.4
57.5°	12429.5	12429.5	12787.3	15054.9	19390.1	21166.6	23379.7	23537.3	22949.2	14666.9	3813.7
60°	9337.3	9397.9	10289.2	11877.8	16722.3	21281.8	22761.2	24756.0	24756.0	18316.9	4207.9
62.5°	4717.2	4808.1	5917.7	7463.8	11471.6	19693.2	22858.2	24143.6	24240.6	21536.5	5105.2
65°	2213.1	2316.1	2910.3	4001.7	6172.3	13860.5	21851.7	23622.2	23591.9	20924.1	6996.9
67.5°	1588.6	1618.9	1819.0	2334.3	3322.6	6075.3	16679.8	22063.9	22076.1	17777.3	8045.9
70°	1424.8	1424.8	1473.4	1624.9	2000.9	2716.3	8106.5	17868.2	18735.3	13727.1	7457.7
72.5°	1406.7	1394.5	1382.4	1388.5	1352.1	1364.2	2783.0	10089.1	11326.0	9604.1	5948.0
75°	1370.3	1370.3	1358.2	1315.7	1079.2	879.2	958.0	4080.5	4717.2	6414.9	4414.0
77.5°	1085.3	1194.4	1321.8	1243.0	988.3	660.9	557.8	1182.3	1491.5	3935.0	3201.4
80°	503.2	509.3	503.2	527.5	630.6	472.9	412.3	576.0	582.1	2182.7	1982.7
82.5°	363.8	369.9	351.7	315.3	278.9	254.7	339.5	424.4	454.7	1000.4	739.7
85°	109.1	103.1	121.3	163.7	194.0	224.3	285.0	357.7	375.9	369.9	109.1
87.5°	48.5	48.5	60.6	84.9	115.2	169.8	248.6	327.4	333.5	382.0	30.3
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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CATALOG NUMBER: NAV-SA5D-827-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5	145.5
2.5°	151.6	145.5	139.5	133.4	127.3	121.3	115.2	115.2	121.3	121.3	121.3
5°	145.5	139.5	127.3	115.2	109.1	103.1	97.0	97.0	103.1	103.1	103.1
7.5°	145.5	133.4	121.3	109.1	97.0	90.9	84.9	84.9	84.9	90.9	90.9
10°	145.5	133.4	115.2	97.0	84.9	78.8	72.8	66.7	72.8	72.8	72.8
12.5°	139.5	127.3	109.1	90.9	72.8	60.6	54.6	54.6	54.6	54.6	54.6
15°	133.4	121.3	103.1	78.8	60.6	48.5	36.4	36.4	36.4	42.4	42.4
17.5°	127.3	115.2	90.9	60.6	42.4	30.3	24.3	24.3	24.3	30.3	30.3
20°	127.3	109.1	78.8	48.5	30.3	18.2	12.1	12.1	12.1	18.2	24.3
22.5°	127.3	109.1	72.8	36.4	18.2	12.1	6.1	6.1	6.1	6.1	6.1
25°	127.3	103.1	66.7	30.3	12.1	6.1	0.0	0.0	6.1	12.1	18.2
27.5°	127.3	97.0	54.6	18.2	12.1	6.1	0.0	6.1	12.1	12.1	12.1
30°	127.3	97.0	48.5	18.2	6.1	0.0	0.0	6.1	12.1	12.1	18.2
32.5°	133.4	90.9	42.4	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	139.5	84.9	36.4	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	151.6	84.9	24.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	169.8	90.9	24.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	212.2	97.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	297.1	121.3	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	436.5	181.9	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	636.6	248.6	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	782.2	248.6	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	776.1	157.6	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	594.2	109.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	503.2	78.8	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	606.3	60.6	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1079.2	54.6	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1734.1	54.6	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1940.2	54.6	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1515.8	48.5	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	830.7	42.4	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	418.4	30.3	12.1	6.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	175.8	24.3	12.1	6.1	6.1	6.1	0.0	0.0	0.0	0.0	0.0
82.5°	60.6	24.3	12.1	12.1	6.1	6.1	0.0	0.0	0.0	0.0	0.0
85°	30.3	18.2	18.2	12.1	12.1	6.1	6.1	0.0	0.0	0.0	0.0
87.5°	18.2	18.2	18.2	12.1	12.1	6.1	6.1	0.0	0.0	0.0	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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



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Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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)