

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: P1067414

Luminaire Tested: **NAV-SA1B-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067414
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3396.9 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

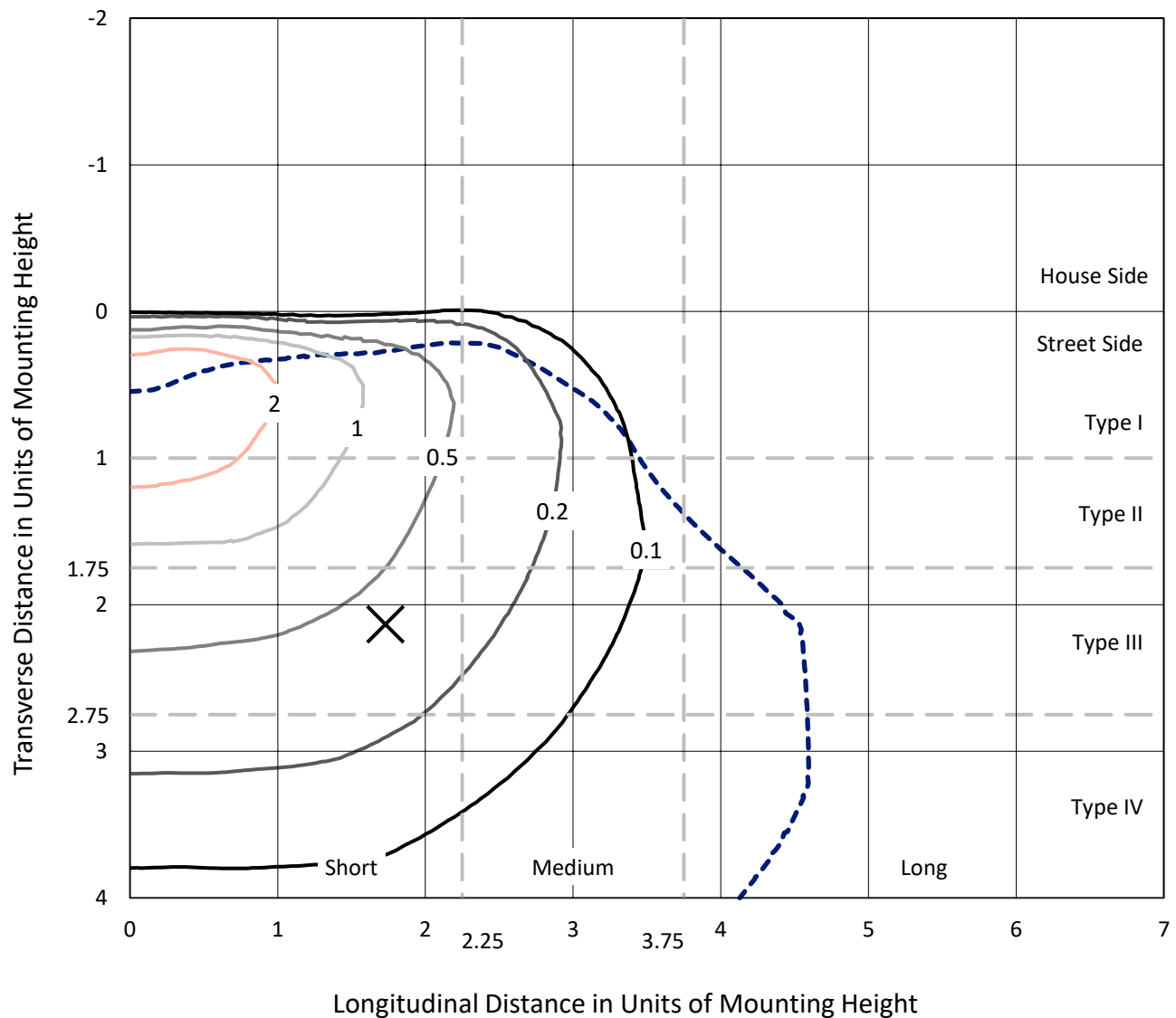


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

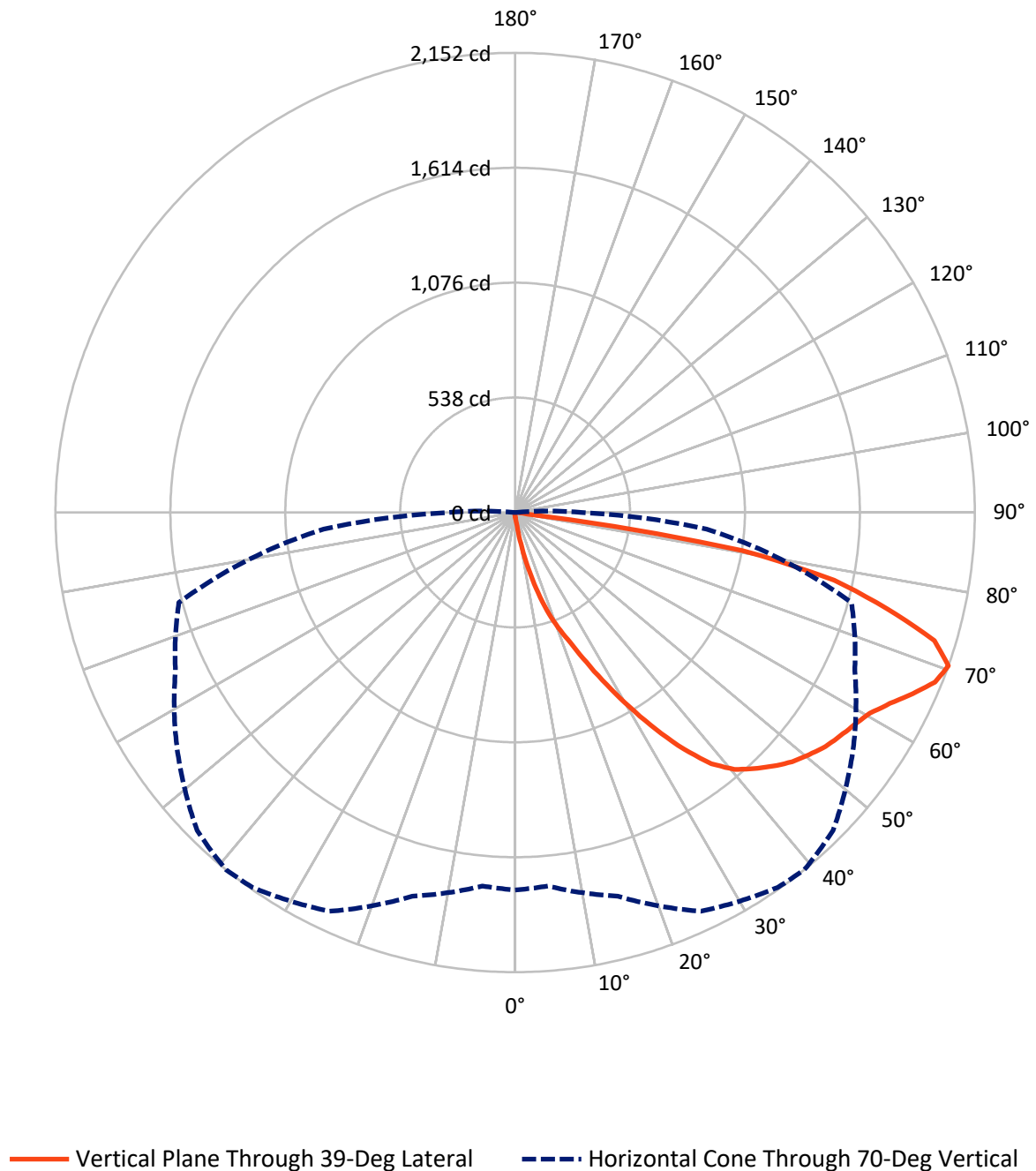


Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10.4	0.0	10.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3386.5	0.0	3386.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	3396.9	0.0	3396.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	41.8	1.2
20°-30°	141.7	4.2
30°-40°	333.1	9.8
40°-50°	540.8	15.9
50°-60°	685.3	20.2
60°-70°	870.5	25.6
70°-80°	707.3	20.8
80°-90°	72.8	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°	3396.9	100.0
0°-180°	3396.9	100.0



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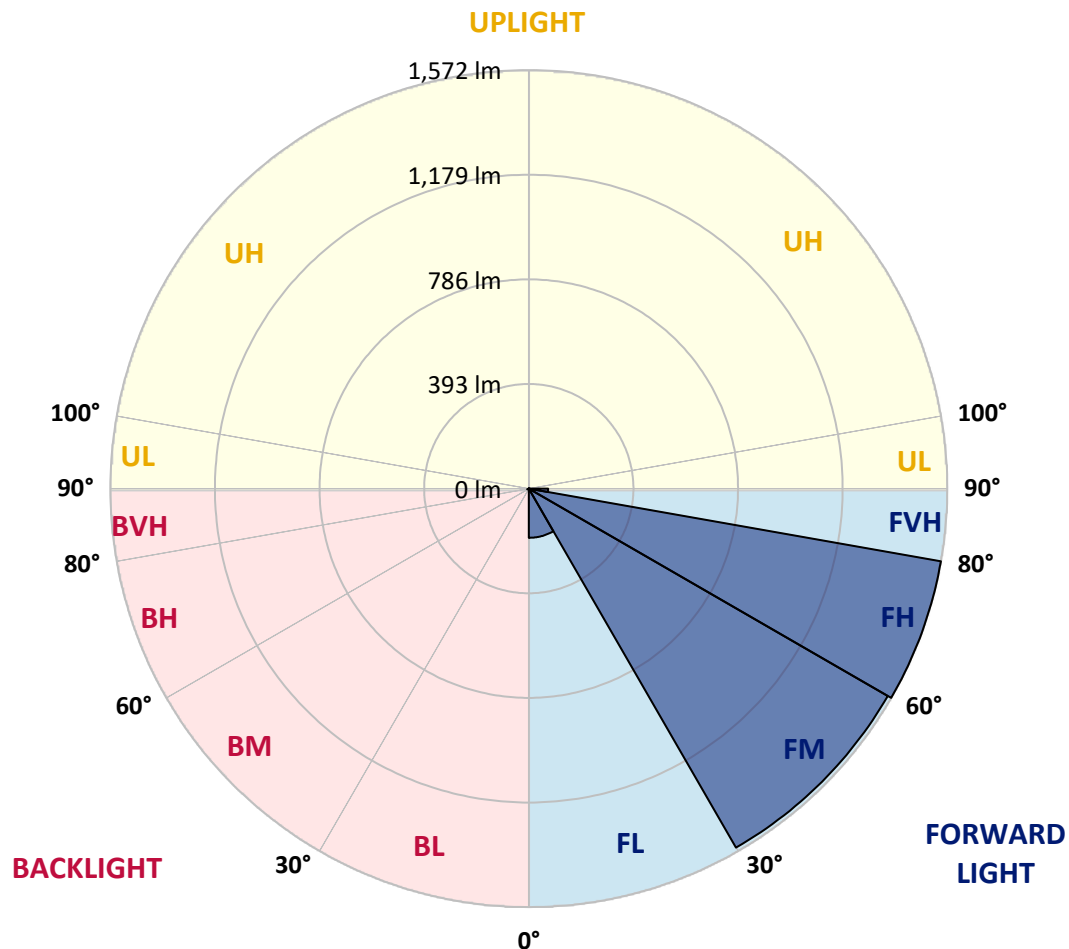
CATALOG NUMBER: NAV-SA1B-722-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.8	5.4			
FM	(30°-60°)	1557.2	45.8			
FH	(60°-80°)	1572.1	46.3			G1/1800
FVH	(80°-90°)	72.4	2.1			G1/100
BL	(0°-30°)	2.3	0.1	B0/110		
BM	(30°-60°)	2.0	0.1	B0/220		
BH	(60°-80°)	5.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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 IV Short



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CATALOG NUMBER: NAV-SA1B-722-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
2.5°	24.0	24.0	24.0	23.1	23.1	22.1	22.1	21.2	20.3	20.3	19.4
5°	45.2	46.1	43.3	37.8	34.1	32.3	30.4	25.8	23.1	21.2	19.4
7.5°	123.6	119.9	114.4	95.9	73.8	62.7	53.5	37.8	27.7	22.1	19.4
10°	260.1	249.9	234.3	209.4	166.0	148.5	115.3	69.2	38.7	24.9	19.4
12.5°	381.8	383.7	364.3	340.3	287.7	258.2	213.0	130.0	60.9	29.5	19.4
15°	474.0	472.2	464.8	445.4	398.4	369.8	329.2	218.6	102.4	36.9	20.3
17.5°	546.9	539.5	536.8	528.5	498.0	482.3	438.1	321.9	162.3	49.8	21.2
20°	619.8	617.9	615.1	605.9	585.6	574.6	540.4	426.1	241.6	71.0	23.1
22.5°	725.8	715.7	717.5	697.2	680.6	661.3	633.6	536.8	332.9	101.4	25.8
25°	850.3	849.4	834.6	825.4	797.7	776.5	739.6	643.7	434.4	146.6	28.6
27.5°	997.0	986.8	980.4	964.7	936.1	912.1	861.4	749.8	544.1	197.4	32.3
30°	1150.0	1150.0	1138.1	1114.1	1086.4	1056.9	1005.3	861.4	653.0	261.9	36.9
32.5°	1329.0	1332.7	1303.1	1267.2	1231.2	1210.9	1143.6	987.7	757.2	335.7	42.4
35°	1502.4	1497.7	1448.9	1409.2	1382.5	1360.3	1303.1	1126.1	875.2	421.5	49.8
37.5°	1668.4	1656.4	1575.2	1519.0	1507.0	1492.2	1435.0	1264.4	992.3	516.5	59.0
40°	1787.3	1768.9	1685.0	1607.5	1590.0	1581.7	1537.4	1389.8	1115.9	622.5	71.0
42.5°	1839.0	1817.8	1759.7	1696.9	1658.2	1638.8	1600.1	1492.2	1239.5	740.6	88.5
45°	1849.1	1832.5	1791.0	1776.3	1723.7	1694.2	1641.6	1565.1	1354.8	857.7	112.5
47.5°	1812.2	1804.8	1779.9	1811.3	1784.6	1744.0	1680.3	1619.5	1457.2	999.7	145.7
50°	1721.8	1716.3	1728.3	1810.4	1828.8	1782.7	1722.8	1661.9	1545.7	1146.4	192.8
52.5°	1600.1	1599.2	1655.4	1786.4	1848.2	1819.6	1764.3	1704.3	1615.8	1288.4	259.2
55°	1467.3	1483.0	1581.7	1764.3	1859.3	1846.4	1804.8	1742.1	1678.5	1420.3	366.1
57.5°	1456.2	1449.8	1544.8	1755.0	1865.7	1873.1	1845.4	1781.8	1732.0	1528.2	509.1
60°	1566.9	1552.2	1588.1	1774.4	1894.3	1907.2	1886.0	1812.2	1785.5	1613.0	697.2
62.5°	1695.1	1681.3	1699.7	1849.1	1950.6	1969.0	1942.3	1843.6	1828.8	1672.0	899.2
65°	1797.5	1786.4	1821.5	1960.7	2029.0	2044.6	2026.2	1901.7	1848.2	1720.0	1063.4
67.5°	1814.1	1800.2	1873.1	2035.4	2108.3	2119.3	2104.6	1957.9	1841.7	1723.7	1101.2
70°	1767.0	1755.0	1859.3	2059.4	2142.4	2151.6	2104.6	1931.2	1754.1	1629.6	900.1
72.5°	1622.2	1631.5	1766.1	2001.3	2095.4	2052.9	1953.3	1796.5	1640.7	1381.5	631.7
75°	1397.2	1407.4	1586.3	1841.7	1849.1	1797.5	1744.0	1652.7	1468.2	910.3	438.1
77.5°	993.3	957.3	1224.8	1520.8	1494.1	1527.3	1531.9	1375.1	1229.4	474.0	293.3
80°	97.8	83.0	154.0	436.2	963.8	1077.2	1121.5	1059.7	906.6	212.1	154.0
82.5°	21.2	21.2	23.1	24.9	38.7	58.1	266.5	653.0	585.6	107.9	49.8
85°	12.0	12.0	14.8	17.5	23.1	25.8	30.4	40.6	157.7	38.7	9.2
87.5°	9.2	10.1	12.0	14.8	19.4	21.2	25.8	32.3	39.7	36.0	2.8
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-SA1B-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
2.5°	19.4	18.4	17.5	16.6	15.7	15.7	14.8	14.8	14.8	14.8	14.8
5°	18.4	17.5	16.6	14.8	13.8	12.9	12.0	12.0	12.0	12.0	12.0
7.5°	18.4	17.5	15.7	13.8	12.0	11.1	10.1	9.2	9.2	10.1	10.1
10°	18.4	16.6	13.8	12.0	10.1	9.2	8.3	7.4	7.4	7.4	7.4
12.5°	17.5	15.7	12.9	11.1	9.2	7.4	5.5	4.6	4.6	4.6	4.6
15°	16.6	14.8	12.0	9.2	6.5	4.6	3.7	2.8	2.8	2.8	2.8
17.5°	16.6	13.8	11.1	8.3	4.6	2.8	1.8	0.9	0.9	0.9	1.8
20°	16.6	13.8	10.1	6.5	2.8	1.8	1.8	0.9	0.0	0.9	0.9
22.5°	16.6	12.9	8.3	4.6	2.8	1.8	0.9	0.0	0.0	0.0	0.0
25°	17.5	12.9	7.4	3.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
27.5°	17.5	12.0	6.5	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	18.4	12.0	5.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	18.4	11.1	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	18.4	10.1	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	18.4	9.2	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	19.4	8.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	20.3	7.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	21.2	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	24.0	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	27.7	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	33.2	6.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	43.3	5.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	62.7	5.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	105.1	5.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	184.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	311.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	406.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	309.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	147.6	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	65.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	28.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.1	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.6	1.8	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
85°	2.8	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

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: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE\ R_a = 71.9$
 $R_g = -17.8$



Color Vector Graphics



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

CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)