

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: P1066941

Luminaire Tested: **NAV-SA3A-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066941
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3A-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8232.8 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 82
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

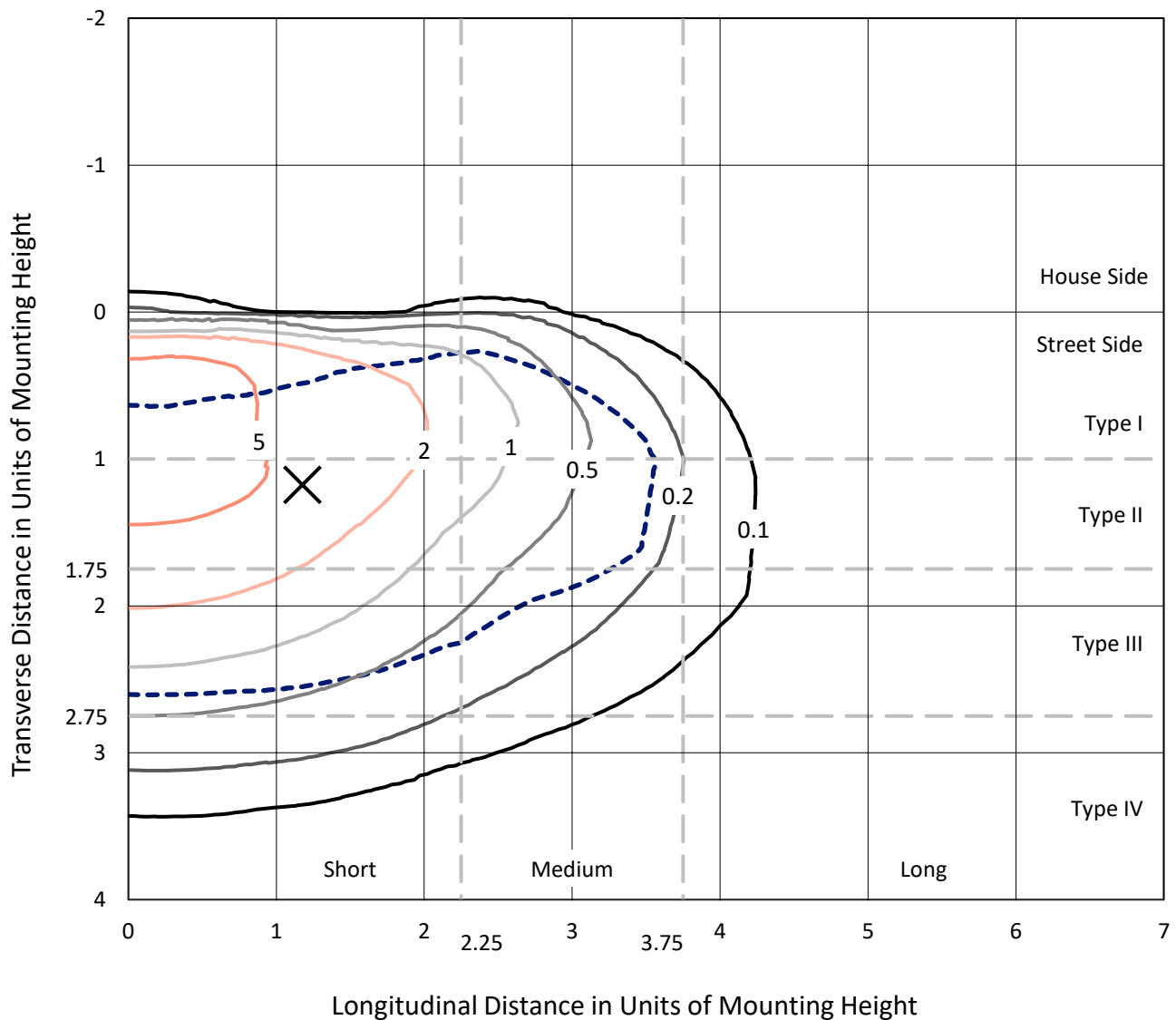


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

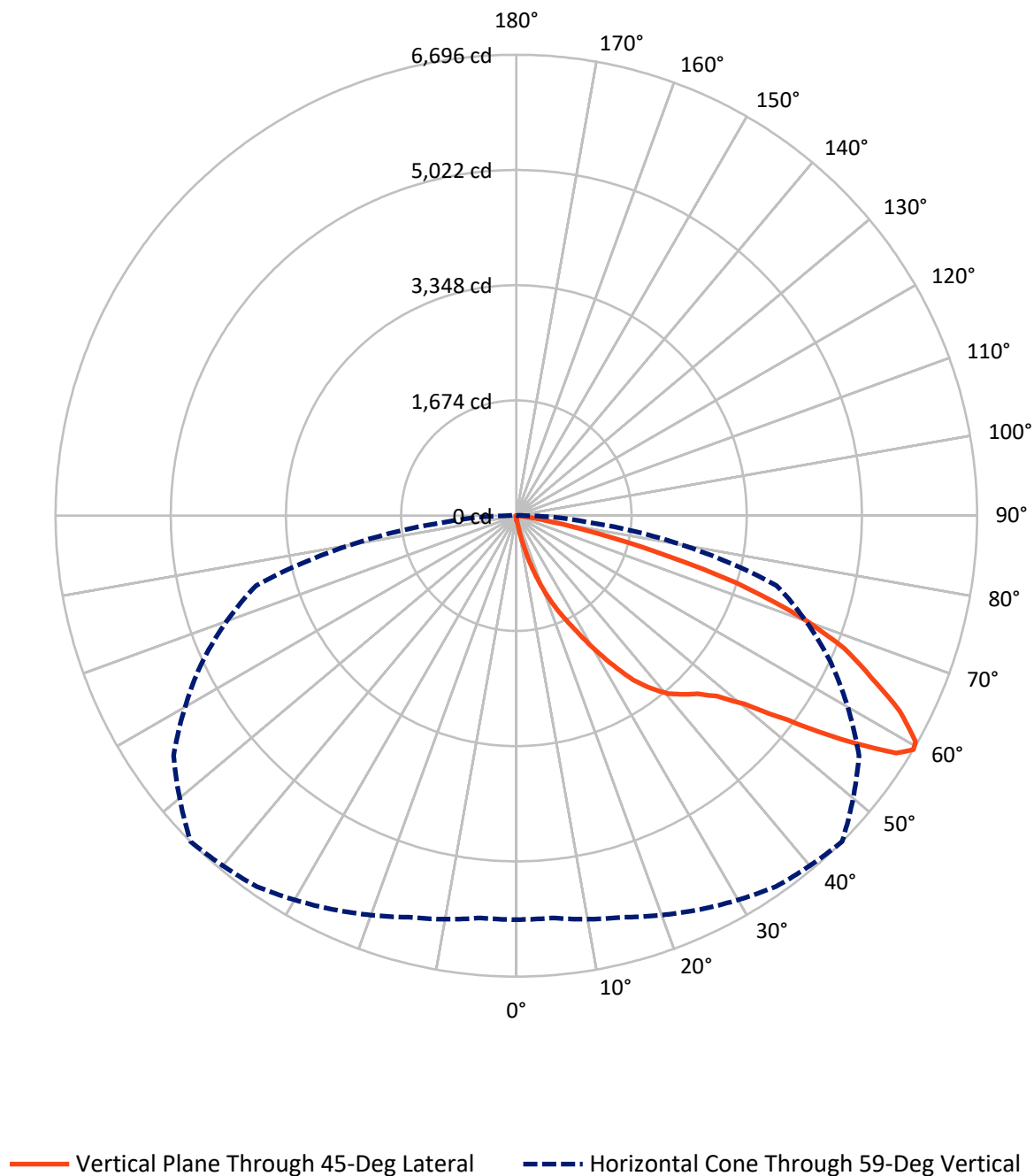


Based on 15 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.2	0.0	29.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8203.5	0.0	8203.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	8232.8	0.0	8232.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	91.0	1.1
20°-30°	327.0	4.0
30°-40°	759.8	9.2
40°-50°	1295.0	15.7
50°-60°	2133.8	25.9
60°-70°	2467.1	30.0
70°-80°	1060.0	12.9
80°-90°	91.6	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°	8232.8	100.0
0°-180°	8232.8	100.0



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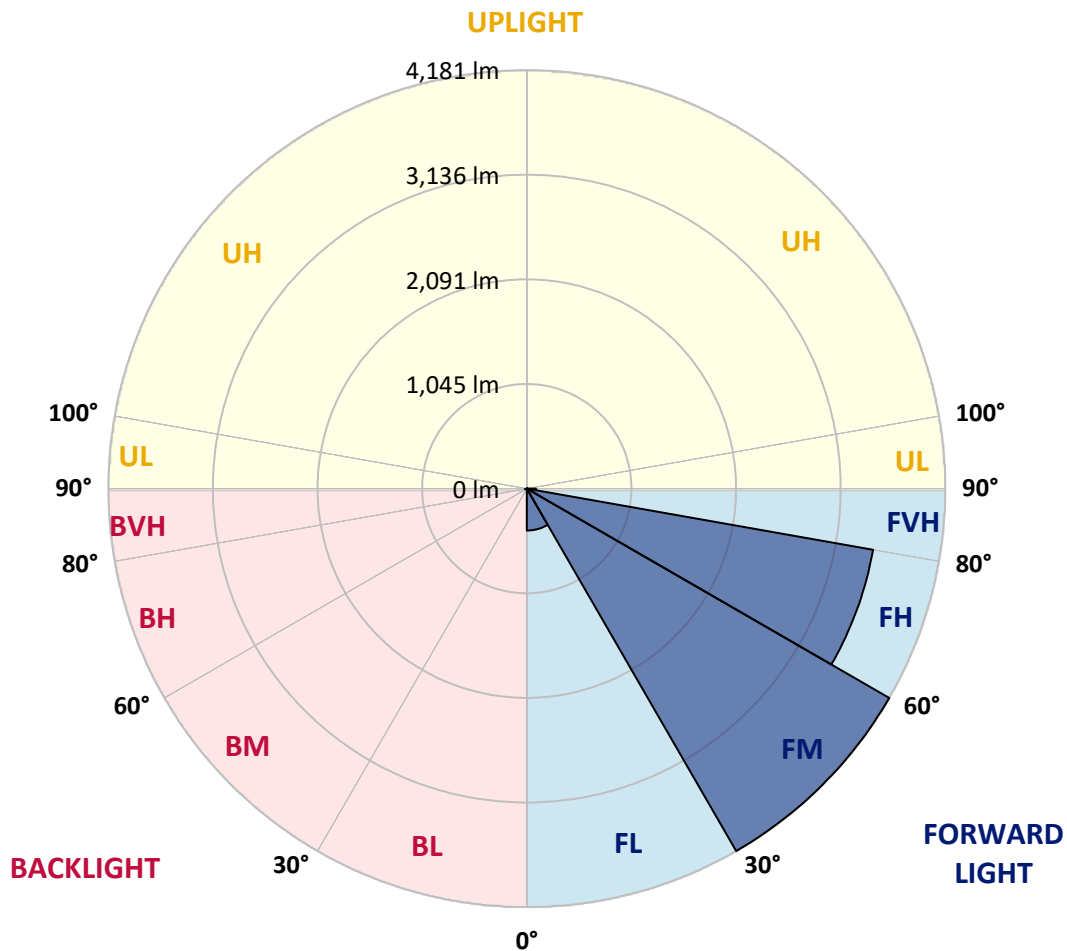
CATALOG NUMBER: NAV-SA3A-722-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.4	5.1			
FM	(30°-60°)	4181.4	50.8			
FH	(60°-80°)	3513.3	42.7			G2/5000
FVH	(80°-90°)	90.4	1.1			G1/100
BL	(0°-30°)	7.2	0.1	B0/110		
BM	(30°-60°)	7.1	0.1	B0/220		
BH	(60°-80°)	13.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.2	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-G2

Type III Short



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CATALOG NUMBER: NAV-SA3A-722-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	67.5	67.5	65.9	63.7	63.1	61.4	61.4	59.8	57.6	55.9	53.7
5°	98.0	97.4	93.0	87.5	80.3	75.8	75.8	69.8	64.2	59.2	54.8
7.5°	214.2	209.3	193.2	166.6	131.8	108.5	106.8	86.9	73.6	63.7	55.4
10°	491.6	474.4	451.7	388.1	286.8	200.4	196.5	126.8	88.0	68.6	56.5
12.5°	805.4	819.3	773.9	673.7	555.2	413.0	385.3	213.7	116.3	75.3	57.6
15°	1091.1	1087.8	1062.3	980.4	843.6	654.3	637.2	371.4	166.6	85.8	58.7
17.5°	1304.8	1300.9	1276.5	1223.9	1118.8	929.4	914.5	592.3	261.3	100.8	59.8
20°	1530.1	1525.1	1490.8	1448.7	1356.8	1195.7	1178.0	839.2	409.1	125.1	59.8
22.5°	1800.2	1790.8	1754.3	1682.9	1586.0	1445.9	1429.9	1091.6	592.3	165.0	62.6
25°	2126.8	2110.8	2060.4	1996.2	1879.4	1693.4	1676.2	1372.9	813.2	225.3	65.3
27.5°	2499.4	2502.1	2434.1	2325.6	2168.9	1979.0	1946.9	1624.7	1041.8	311.7	68.6
30°	2941.7	2914.0	2818.2	2692.0	2539.8	2297.9	2266.9	1875.5	1298.7	439.0	74.2
32.5°	3355.8	3325.9	3196.9	3038.0	2874.7	2619.5	2594.0	2157.3	1532.3	589.6	84.1
35°	3711.2	3690.1	3509.7	3315.9	3170.9	2942.8	2935.0	2471.7	1806.9	751.8	95.2
37.5°	4023.9	3985.7	3753.8	3552.8	3405.6	3201.3	3184.7	2759.6	2071.5	940.0	111.8
40°	4290.7	4269.7	3986.8	3722.8	3603.2	3420.5	3399.5	3012.0	2344.9	1158.6	132.3
42.5°	4576.4	4548.7	4274.1	3978.0	3757.7	3562.2	3548.4	3220.1	2588.5	1398.9	162.8
45°	4899.1	4847.6	4606.8	4341.1	4006.2	3708.9	3693.4	3405.6	2838.2	1656.8	199.8
47.5°	5244.0	5199.2	5004.3	4817.7	4432.5	3950.8	3917.6	3563.3	3086.2	1954.7	246.9
50°	5595.0	5596.1	5449.9	5360.2	4953.4	4343.9	4296.8	3795.3	3346.9	2273.5	316.6
52.5°	6003.5	6014.0	6011.8	5945.4	5629.8	4986.6	4923.5	4147.4	3649.7	2645.5	413.0
55°	6174.6	6193.4	6315.7	6463.0	6377.2	5801.4	5733.9	4754.6	4051.0	3060.2	555.8
57.5°	6034.5	6055.5	6224.4	6482.3	6679.4	6515.0	6507.2	5545.1	4579.7	3562.8	789.4
59°	5867.9	5865.1	6038.4	6311.8	6577.6	6684.4	6695.5	6079.9	5040.3	3915.4	990.9
60°	5757.2	5759.4	5874.5	6155.2	6437.5	6622.9	6666.1	6394.9	5309.3	4169.0	1163.6
62.5°	5329.8	5355.3	5446.6	5707.3	5975.3	6182.3	6255.9	6675.5	6079.3	4767.9	1764.2
65°	4865.4	4867.0	4997.1	5220.2	5477.0	5622.6	5669.1	6238.8	6593.6	5378.0	2552.0
67.5°	4036.7	4070.4	4218.2	4579.7	4919.0	5103.4	5138.8	5430.5	6380.5	5775.4	2946.7
70°	2824.9	2869.2	3080.1	3549.0	4054.4	4357.2	4355.0	4514.4	5615.4	5598.3	2498.3
72.5°	1410.5	1486.9	1659.1	2161.1	2773.4	3248.9	3349.1	3631.4	4511.1	4650.0	1863.9
75°	623.3	627.8	725.7	978.7	1378.4	1982.3	2072.0	2882.5	3460.9	3231.8	1346.3
77.5°	362.6	365.9	383.6	439.5	558.6	971.5	1072.3	1890.5	2445.7	1878.3	878.0
80°	131.8	135.1	134.5	166.6	244.7	382.5	426.3	916.2	1631.4	989.2	460.0
82.5°	80.8	80.8	78.1	78.6	89.1	146.7	160.5	390.3	794.4	487.1	131.8
85°	39.9	42.1	44.8	50.4	59.8	72.5	76.9	111.8	267.4	117.9	31.6
87.5°	23.8	24.4	26.6	32.1	39.9	52.0	55.4	75.8	95.8	79.2	7.8
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-SA3A-722-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
2.5°	52.6	52.0	49.3	47.1	44.8	42.6	41.0	39.3	39.3	39.9	39.3
5°	52.6	50.4	45.9	42.1	38.8	36.0	33.2	31.0	30.4	30.4	31.0
7.5°	52.0	49.3	43.2	38.2	33.8	29.9	27.1	24.4	23.8	24.4	23.8
10°	51.5	48.2	41.0	34.9	28.8	24.9	21.0	18.3	18.3	18.3	18.8
12.5°	51.5	46.5	38.8	31.6	24.9	20.5	16.6	13.8	13.3	13.3	13.3
15°	50.9	45.4	36.5	27.7	21.0	15.5	12.2	9.4	9.4	9.4	9.4
17.5°	49.8	43.7	33.8	24.4	16.6	11.6	8.3	5.5	5.5	6.6	6.6
20°	48.7	42.1	30.4	19.9	13.8	8.9	5.5	3.3	3.3	5.0	5.5
22.5°	49.3	42.1	28.2	17.7	11.1	6.6	4.4	2.8	2.2	3.9	5.0
25°	49.8	41.0	25.5	15.5	8.3	5.0	3.3	1.1	0.6	1.1	1.7
27.5°	49.8	39.9	22.1	12.2	6.1	3.9	1.7	0.0	0.0	0.0	0.0
30°	49.3	38.2	19.4	10.0	4.4	2.2	0.6	0.0	0.0	0.0	0.0
32.5°	48.7	36.5	17.7	7.8	3.9	1.1	0.0	0.0	0.0	0.0	0.0
35°	49.3	34.3	15.5	6.1	2.2	0.0	0.0	0.0	0.0	0.0	1.1
37.5°	50.9	32.1	13.3	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	53.1	30.4	11.1	3.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	57.6	30.4	10.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	63.1	30.4	8.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	70.3	31.0	7.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	79.2	32.1	6.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	85.8	31.0	6.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	97.4	29.9	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	112.9	28.2	5.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	128.4	26.0	5.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	146.1	24.9	5.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	241.4	22.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	466.1	21.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	753.4	21.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	792.2	21.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	527.0	17.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	282.3	15.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	152.2	14.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	67.0	10.5	2.8	1.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	26.6	7.2	3.3	2.8	2.2	1.1	0.0	0.0	0.0	0.0	0.0
85°	12.7	5.5	4.4	3.9	2.8	1.7	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	5.5	5.0	4.4	3.9	2.8	0.6	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

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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	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 ^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	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)