

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: P1066947

Luminaire Tested: **NAV-SA4C-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066947
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16864.6 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
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

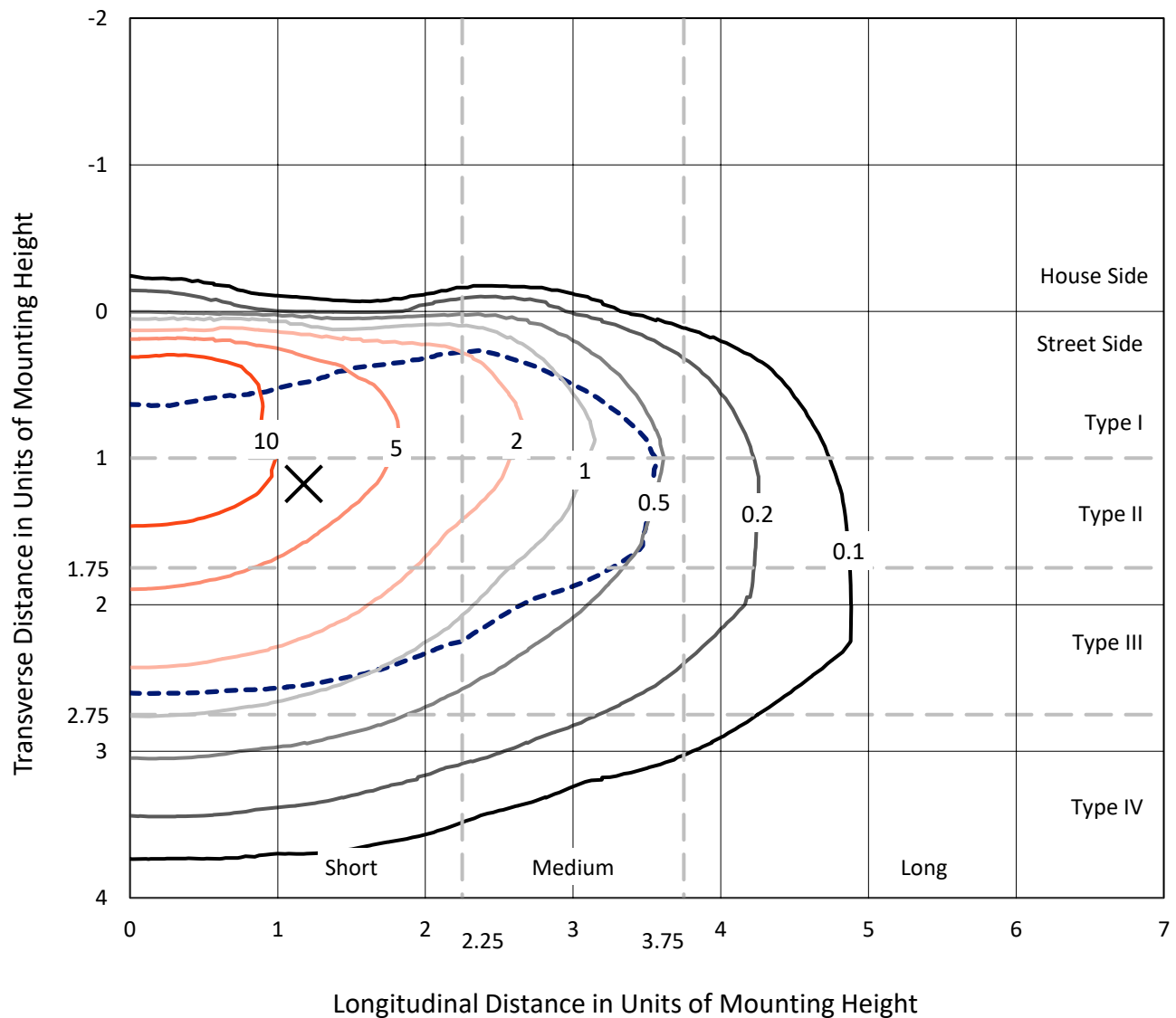


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

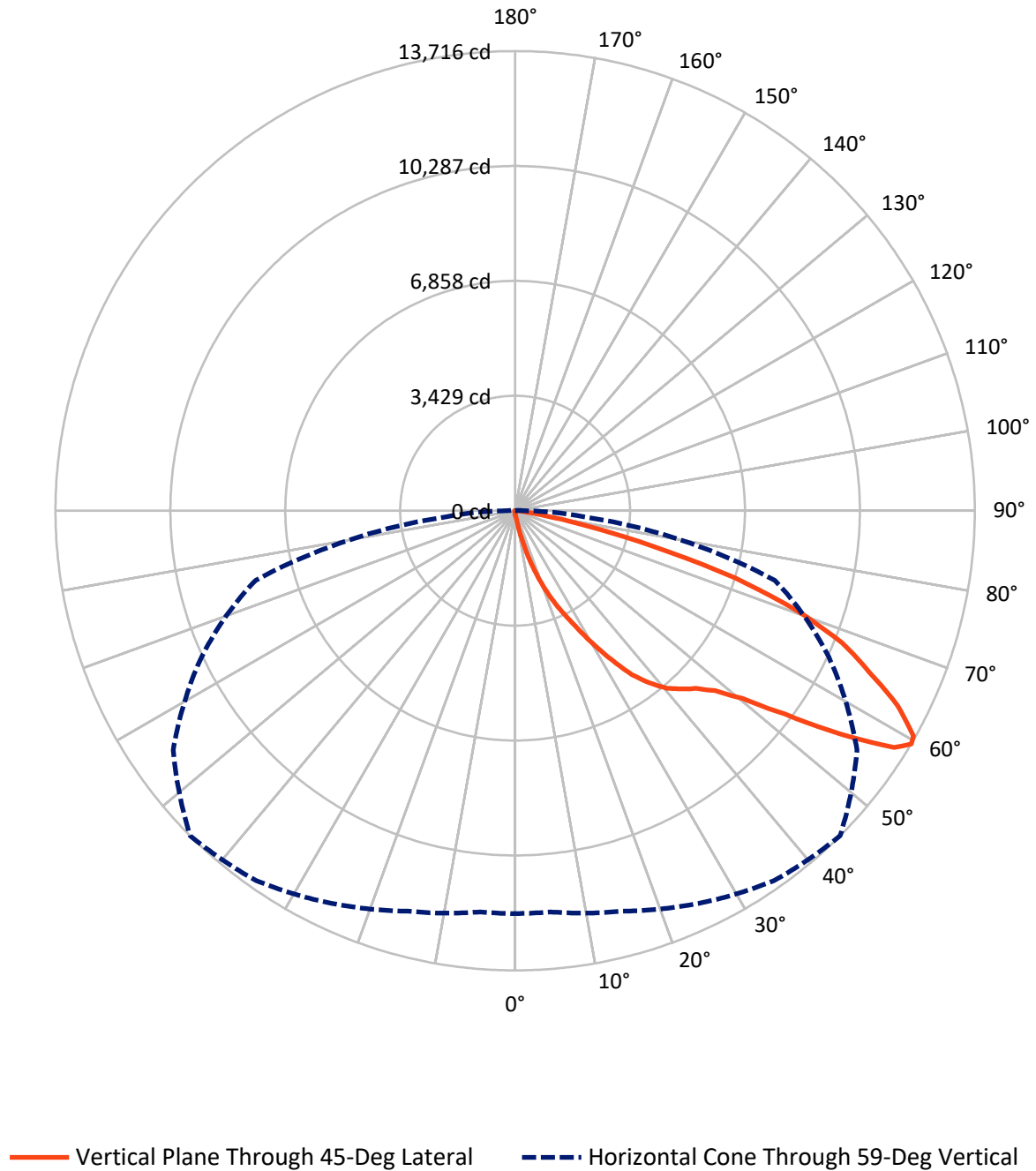


Based on 15 foot mounting height. Maximum calculated value = 18.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.9	0.0	59.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16804.7	0.0	16804.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	16864.6	0.0	16864.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.1
10°-20°	186.4	1.1
20°-30°	669.8	4.0
30°-40°	1556.4	9.2
40°-50°	2652.7	15.7
50°-60°	4371.0	25.9
60°-70°	5053.8	30.0
70°-80°	2171.3	12.9
80°-90°	187.6	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°	16864.6	100.0
0°-180°	16864.6	100.0



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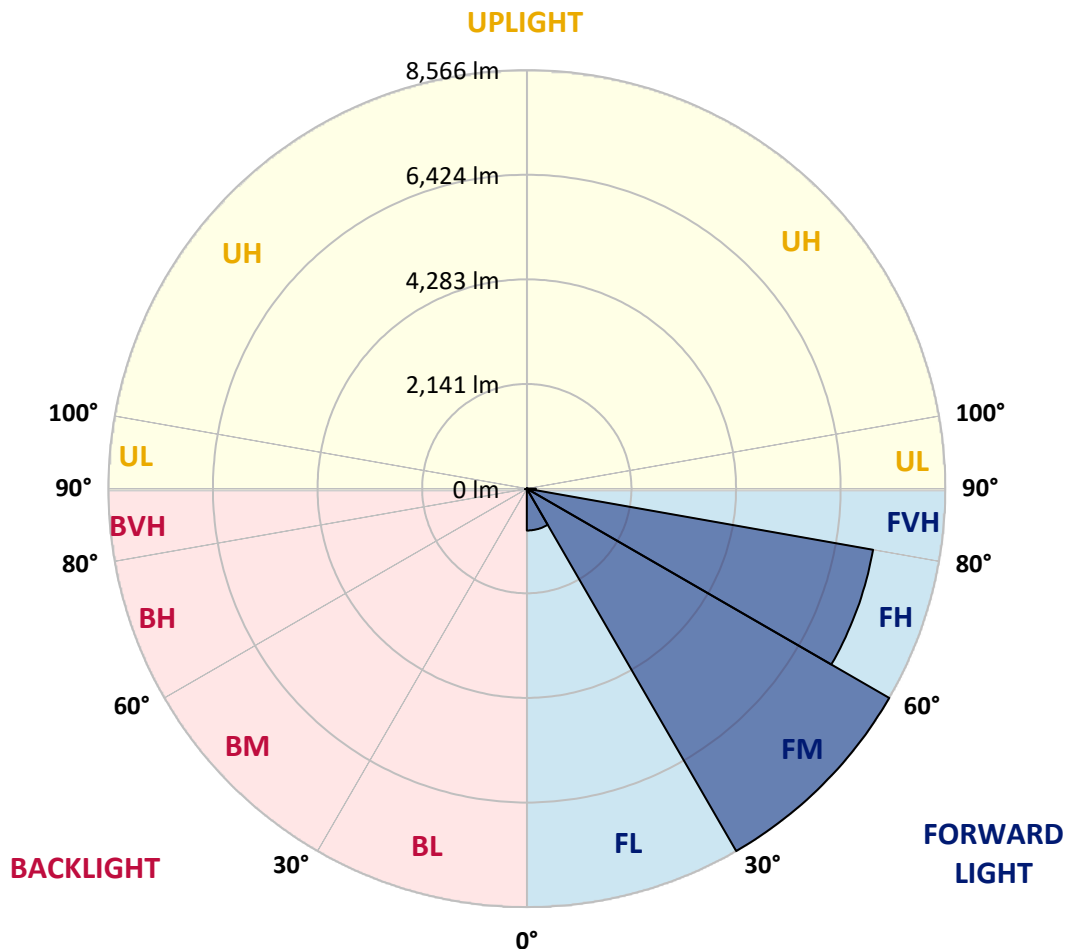
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	857.1	5.1			
FM	(30°-60°)	8565.6	50.8			
FH	(60°-80°)	7196.9	42.7			G3/7500
FVH	(80°-90°)	185.2	1.1			G2/225
BL	(0°-30°)	14.8	0.1	B0/110		
BM	(30°-60°)	14.5	0.1	B0/220		
BH	(60°-80°)	28.2	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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-G3

Type III Short





REPORT NUMBER: P1066947

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
2.5°	138.3	138.3	134.9	130.4	129.3	125.9	125.9	122.5	117.9	114.5	110.0
5°	200.7	199.6	190.5	179.2	164.4	155.4	155.4	142.9	131.5	121.3	112.3
7.5°	438.9	428.6	395.8	341.3	269.9	222.3	218.9	178.0	150.8	130.4	113.4
10°	1007.0	971.8	925.3	794.9	587.4	410.5	402.6	259.7	180.3	140.6	115.7
12.5°	1649.9	1678.3	1585.3	1380.1	1137.4	846.0	789.3	437.7	238.1	154.2	117.9
15°	2235.1	2228.3	2176.1	2008.3	1728.2	1340.4	1305.2	760.9	341.3	175.8	120.2
17.5°	2672.8	2664.9	2615.0	2507.2	2291.8	1904.0	1873.3	1213.4	535.2	206.4	122.5
20°	3134.3	3124.1	3053.8	2967.6	2779.4	2449.4	2413.1	1719.1	838.0	256.3	122.5
22.5°	3687.7	3668.4	3593.6	3447.3	3248.9	2962.0	2929.1	2236.2	1213.4	337.9	128.1
25°	4356.8	4323.9	4220.7	4089.1	3849.9	3468.8	3433.7	2812.3	1665.8	461.5	133.8
27.5°	5119.9	5125.6	4986.1	4763.9	4442.9	4054.0	3988.2	3328.2	2134.2	638.4	140.6
30°	6026.0	5969.3	5773.1	5514.6	5202.7	4707.2	4643.7	3841.9	2660.3	899.2	152.0
32.5°	6874.2	6813.0	6548.7	6223.3	5888.8	5366.0	5313.8	4419.1	3138.9	1207.7	172.4
35°	7602.2	7559.1	7189.4	6792.6	6495.4	6028.2	6012.4	5063.2	3701.3	1539.9	195.0
37.5°	8242.9	8164.7	7689.5	7277.9	6976.3	6557.8	6523.8	5652.9	4243.4	1925.5	229.1
40°	8789.5	8746.4	8166.9	7626.0	7381.1	7006.9	6963.8	6170.0	4803.5	2373.4	271.0
42.5°	9374.6	9317.9	8755.5	8148.8	7697.5	7297.2	7268.8	6596.4	5302.5	2865.6	333.4
45°	10035.7	9930.3	9437.0	8892.7	8206.6	7597.7	7565.9	6976.3	5813.9	3394.0	409.4
47.5°	10742.2	10650.4	10251.2	9869.0	9079.8	8093.2	8025.2	7299.4	6321.9	4004.1	505.8
50°	11461.2	11463.4	11164.0	10980.3	10146.9	8898.4	8802.0	7774.6	6856.1	4657.3	648.6
52.5°	12298.0	12319.6	12315.0	12179.0	11532.6	10214.9	10085.6	8495.8	7476.3	5419.3	846.0
55°	12648.4	12687.0	12937.6	13239.2	13063.5	11884.1	11745.8	9739.8	8298.5	6268.7	1138.5
57.5°	12361.5	12404.6	12750.5	13278.9	13682.6	13345.8	13330.0	11359.1	9381.4	7298.3	1617.1
59°	12020.2	12014.5	12369.5	12929.7	13474.0	13692.8	13715.5	12454.5	10324.9	8020.7	2029.8
60°	11793.4	11797.9	12033.8	12608.7	13187.1	13567.0	13655.4	13099.8	10876.0	8540.0	2383.6
62.5°	10918.0	10970.1	11157.2	11691.4	12240.2	12664.3	12815.1	13674.7	12453.4	9767.0	3614.0
65°	9966.6	9970.0	10236.5	10693.4	11219.6	11517.9	11613.1	12780.0	13506.9	11016.6	5227.7
67.5°	8269.0	8338.2	8640.9	9381.4	10076.6	10454.2	10526.8	11124.4	13070.3	11830.8	6036.2
70°	5786.7	5877.4	6309.5	7270.0	8305.3	8925.6	8921.0	9247.6	11503.1	11468.0	5117.7
72.5°	2889.4	3045.9	3398.5	4427.1	5681.2	6655.3	6860.6	7438.9	9240.8	9525.4	3818.1
75°	1276.9	1285.9	1486.6	2004.9	2823.6	4060.8	4244.5	5904.6	7089.7	6620.2	2757.8
77.5°	742.8	749.6	785.8	900.4	1144.2	1990.1	2196.5	3872.5	5009.9	3847.6	1798.5
80°	269.9	276.7	275.6	341.3	501.2	783.6	873.2	1876.7	3341.8	2026.4	942.3
82.5°	165.6	165.6	159.9	161.0	182.6	300.5	328.9	799.5	1627.3	997.9	269.9
85°	81.6	86.2	91.9	103.2	122.5	148.6	157.6	229.1	547.7	241.5	64.6
87.5°	48.8	49.9	54.4	65.8	81.6	106.6	113.4	155.4	196.2	162.2	15.9
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°	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6	106.6
2.5°	107.7	106.6	100.9	96.4	91.9	87.3	83.9	80.5	80.5	81.6	80.5
5°	107.7	103.2	94.1	86.2	79.4	73.7	68.0	63.5	62.4	62.4	63.5
7.5°	106.6	100.9	88.5	78.2	69.2	61.2	55.6	49.9	48.8	49.9	48.8
10°	105.5	98.7	83.9	71.4	59.0	51.0	43.1	37.4	37.4	37.4	38.6
12.5°	105.5	95.3	79.4	64.6	51.0	42.0	34.0	28.3	27.2	27.2	27.2
15°	104.3	93.0	74.8	56.7	43.1	31.8	24.9	19.3	19.3	19.3	19.3
17.5°	102.1	89.6	69.2	49.9	34.0	23.8	17.0	11.3	11.3	13.6	13.6
20°	99.8	86.2	62.4	40.8	28.3	18.1	11.3	6.8	6.8	10.2	11.3
22.5°	100.9	86.2	57.8	36.3	22.7	13.6	9.1	5.7	4.5	7.9	10.2
25°	102.1	83.9	52.2	31.8	17.0	10.2	6.8	2.3	1.1	2.3	3.4
27.5°	102.1	81.6	45.4	24.9	12.5	7.9	3.4	0.0	0.0	0.0	0.0
30°	100.9	78.2	39.7	20.4	9.1	4.5	1.1	0.0	0.0	0.0	0.0
32.5°	99.8	74.8	36.3	15.9	7.9	2.3	0.0	0.0	0.0	0.0	0.0
35°	100.9	70.3	31.8	12.5	4.5	0.0	0.0	0.0	0.0	0.0	2.3
37.5°	104.3	65.8	27.2	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	108.9	62.4	22.7	7.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	117.9	62.4	20.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	129.3	62.4	17.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	144.0	63.5	14.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	162.2	65.8	13.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	175.8	63.5	12.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	199.6	61.2	11.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	231.3	57.8	11.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	263.1	53.3	11.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	299.4	51.0	10.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	494.4	45.4	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	954.8	43.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1543.3	43.1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1622.7	43.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1079.6	35.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	578.3	31.8	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	311.8	29.5	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	137.2	21.5	5.7	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.4	14.7	6.8	5.7	4.5	2.3	0.0	0.0	0.0	0.0	0.0
85°	26.1	11.3	9.1	7.9	5.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	11.3	10.2	9.1	7.9	5.7	1.1	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

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: SP1-2407-184-2

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

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

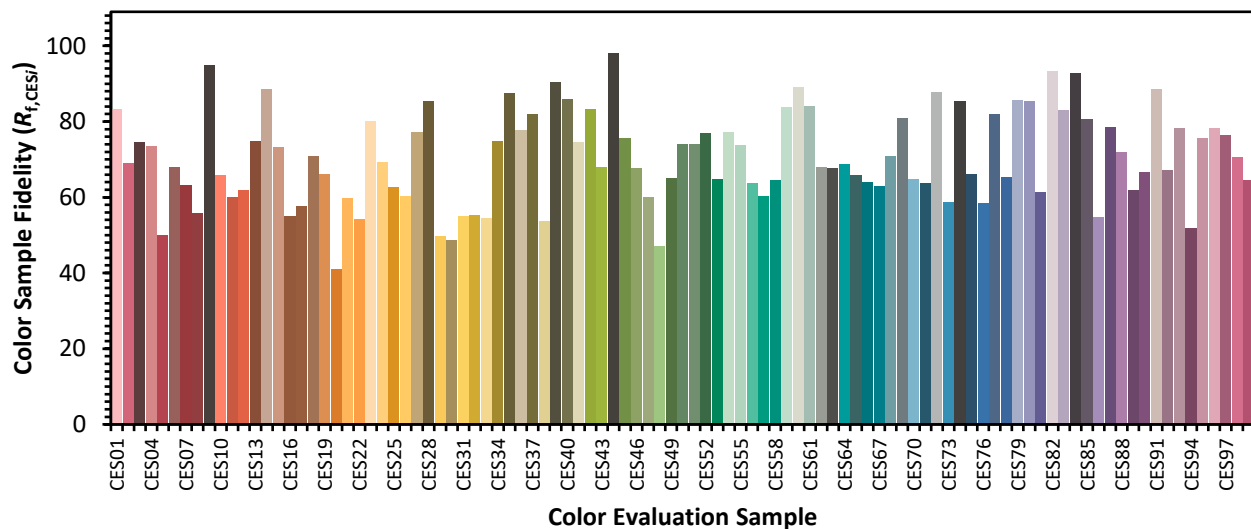


Color Vector Graphics



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)