

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: P1067235

Luminaire Tested: **NAV-SA4C-730-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067235
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-730-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19710.8 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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



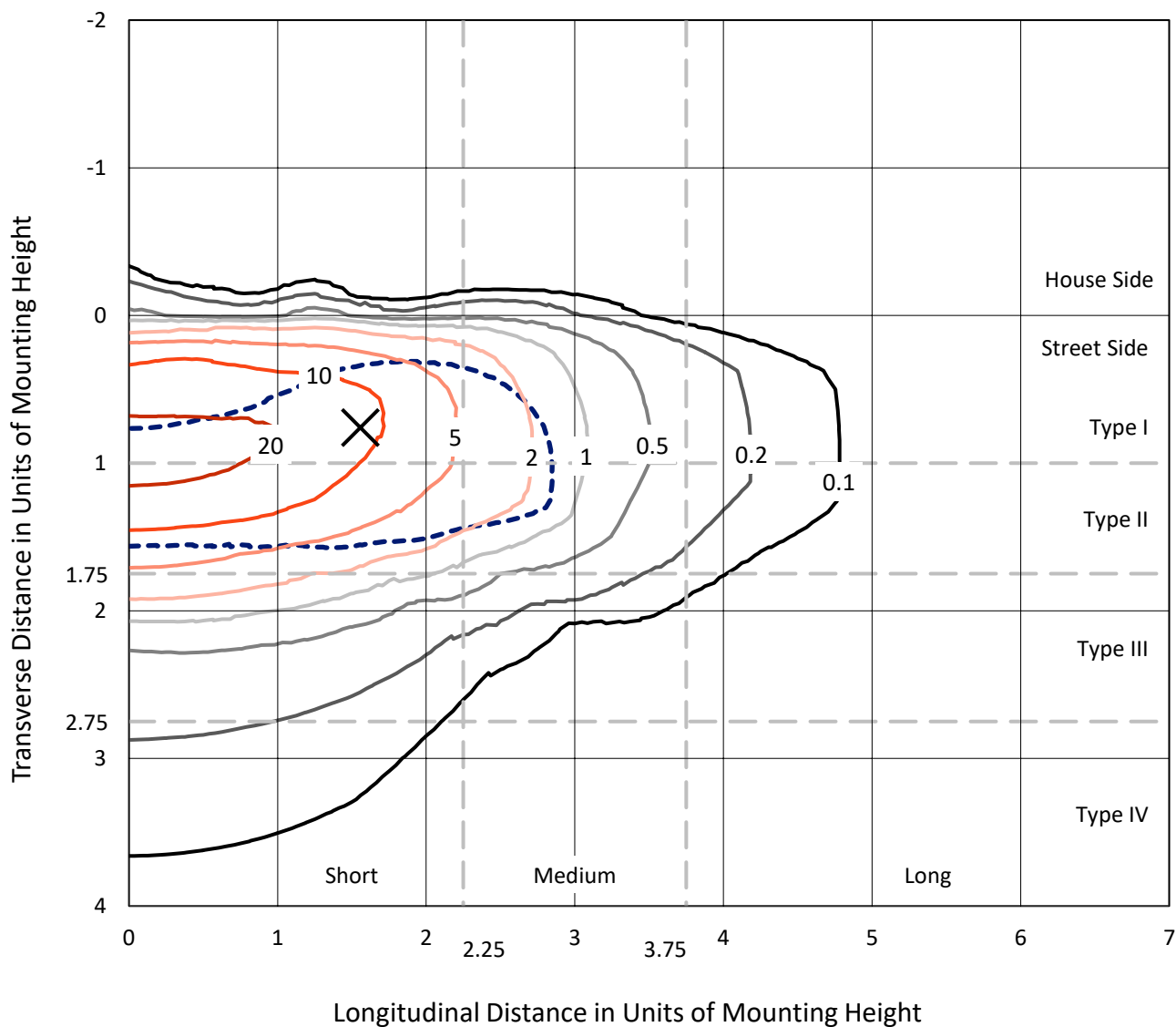
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

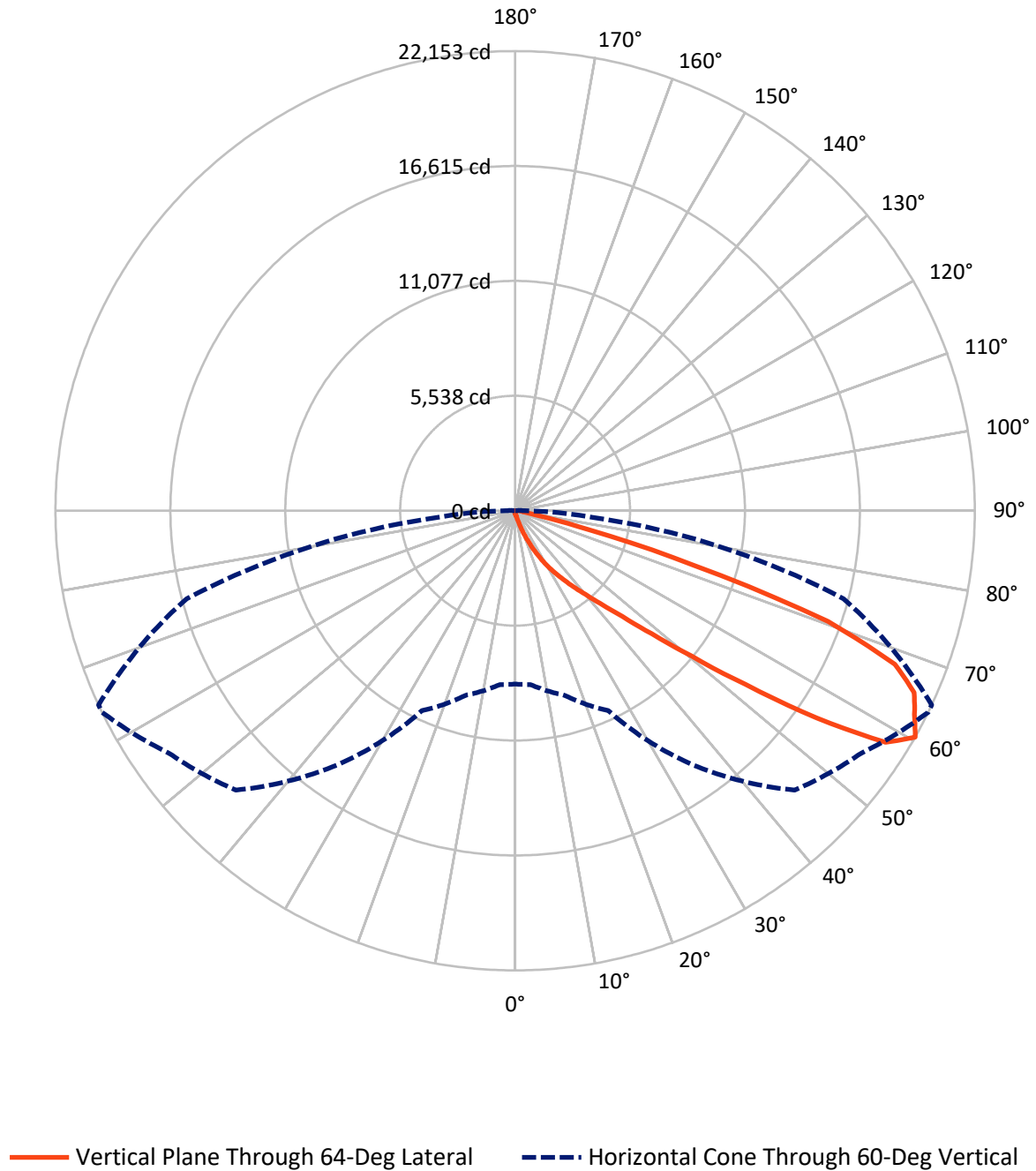


Based on 15 foot mounting height. Maximum calculated value = 28.3 fc
 Type II - Short - N/A

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CATALOG NUMBER: NAV-SA4C-730-U-T2BC

Luminous Intensity Polar Plot



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CATALOG NUMBER: NAV-SA4C-730-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	79.9	0.0	79.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19630.8	0.0	19630.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	19710.8	0.0	19710.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.1
10°-20°	193.7	1.0
20°-30°	643.3	3.3
30°-40°	1716.5	8.7
40°-50°	4363.0	22.1
50°-60°	6360.4	32.3
60°-70°	4912.8	24.9
70°-80°	1349.1	6.8
80°-90°	152.3	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°	19710.8	100.0
0°-180°	19710.8	100.0



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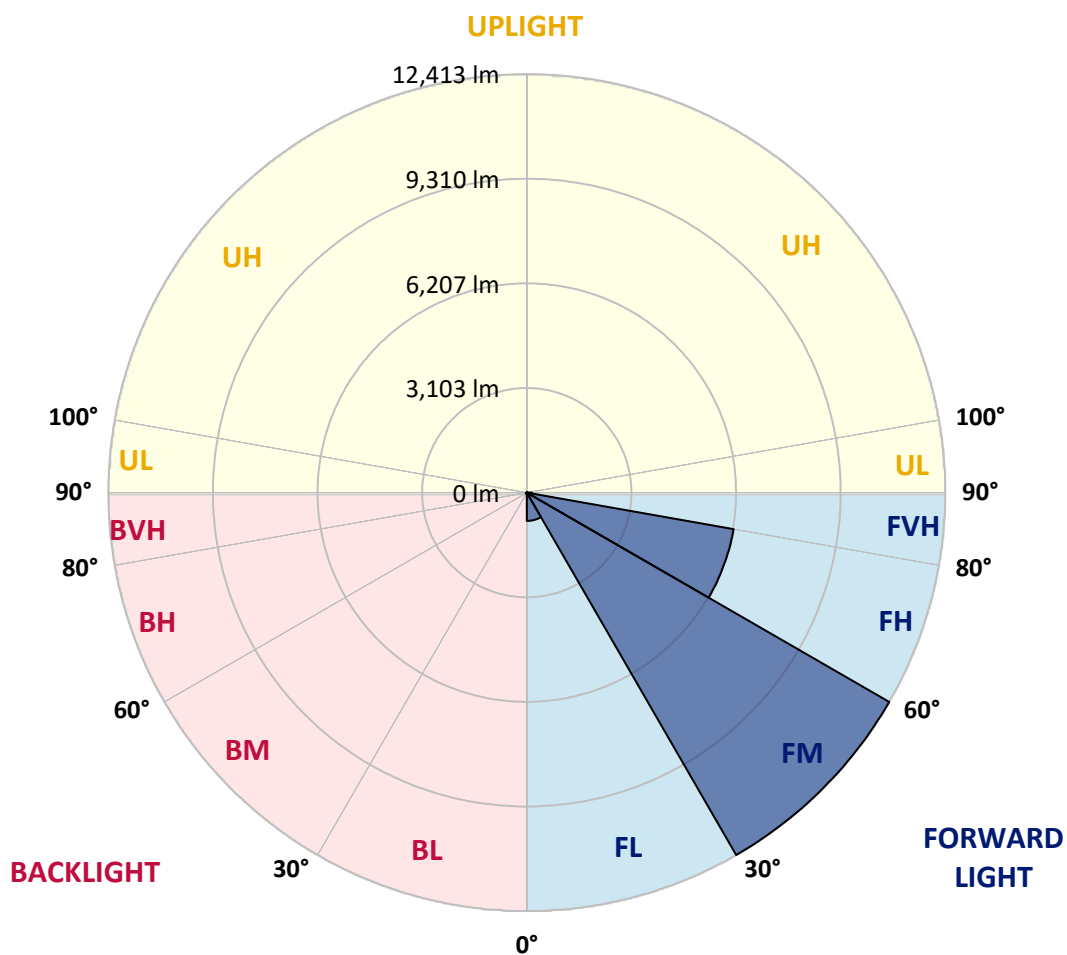
CATALOG NUMBER: NAV-SA4C-730-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	838.7	4.3			
FM	(30°-60°)	12413.5	63.0			
FH	(60°-80°)	6230.0	31.6			G3/7500
FVH	(80°-90°)	148.7	0.8			G2/225
BL	(0°-30°)	18.0	0.1	B0/110		
BM	(30°-60°)	26.5	0.1	B0/220		
BH	(60°-80°)	31.9	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	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: P1067235

CATALOG NUMBER: NAV-SA4C-730-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	173.6	173.6	173.6	168.2	162.8	162.8	157.3	151.9	151.9	141.1	135.6
5°	265.9	265.9	255.0	244.2	227.9	206.2	184.5	168.2	168.2	151.9	141.1
7.5°	520.9	537.1	488.3	428.6	347.2	293.0	233.3	195.3	189.9	162.8	141.1
10°	1128.5	1117.7	1041.7	895.2	705.3	510.0	325.5	238.7	227.9	173.6	141.1
12.5°	1698.2	1714.5	1633.1	1470.4	1242.5	906.1	558.8	309.3	298.4	189.9	141.1
15°	2186.5	2186.5	2132.3	2050.9	1801.3	1448.7	900.7	461.2	423.2	206.2	135.6
17.5°	2522.9	2517.5	2495.8	2474.1	2327.6	1964.1	1378.1	737.9	651.1	244.2	135.6
20°	2902.7	2886.5	2913.6	2870.2	2756.2	2468.7	1882.7	1096.0	1014.6	309.3	135.6
22.5°	3298.8	3315.1	3336.8	3293.4	3168.6	2919.0	2414.4	1557.2	1470.4	428.6	141.1
25°	3803.4	3792.5	3841.4	3803.4	3646.0	3353.1	2913.6	2061.8	1937.0	596.8	151.9
27.5°	4421.9	4400.2	4432.8	4335.1	4128.9	3830.5	3358.5	2577.2	2430.7	857.3	173.6
30°	5241.2	5257.5	5111.0	4997.0	4704.0	4308.0	3852.2	3130.6	2978.7	1166.5	195.3
32.5°	6532.5	6418.6	6190.7	5729.5	5344.3	4839.7	4346.0	3613.5	3477.8	1562.6	227.9
35°	8545.4	8567.1	8068.0	6928.6	6093.0	5507.0	4888.5	4145.2	4047.5	2012.9	271.3
37.5°	10997.8	10938.1	10498.7	9060.9	7189.0	6337.2	5507.0	4725.8	4584.7	2501.2	325.5
40°	13775.8	13526.2	13271.2	12294.6	9473.2	7378.9	6288.3	5398.5	5290.0	3065.5	412.4
42.5°	16000.3	15935.2	15978.6	15571.6	13282.0	9153.1	7324.6	6223.2	6093.0	3765.4	564.3
45°	17096.3	17004.0	17264.5	17568.3	16982.3	12929.4	8995.7	7275.8	7102.2	4590.1	797.6
47.5°	16803.3	16738.2	17297.0	17893.8	18675.1	17307.9	11724.9	8849.3	8550.8	5648.1	1144.8
50°	15360.0	15365.5	16282.4	17394.7	18631.7	19527.0	15767.0	11003.2	10628.9	7053.4	1687.4
52.5°	13954.8	13998.2	14969.4	16591.7	17986.1	19787.4	19315.4	13906.0	13298.3	8708.2	2327.6
55°	12511.6	12533.3	13390.5	15674.7	17682.2	19011.5	21138.4	17644.3	16998.6	10769.9	2951.6
57.5°	11122.6	11122.6	11442.7	13471.9	17351.3	18941.0	20921.4	21062.4	20536.1	13124.7	3412.7
60°	8355.5	8409.8	9207.3	10628.9	14964.0	19044.1	20367.9	22153.0	22153.0	16390.9	3765.4
62.5°	4221.2	4302.5	5295.4	6679.0	10265.4	17622.6	20454.7	21605.0	21691.8	19272.0	4568.4
65°	1980.4	2072.6	2604.3	3580.9	5523.3	12403.1	19554.1	21138.4	21111.3	18724.0	6261.2
67.5°	1421.5	1448.7	1627.7	2088.9	2973.3	5436.5	14926.0	19744.0	19754.8	15908.0	7199.9
70°	1275.0	1275.0	1318.4	1454.1	1790.5	2430.7	7254.1	15989.4	16765.3	12283.7	6673.6
72.5°	1258.8	1247.9	1237.1	1242.5	1209.9	1220.8	2490.4	9028.3	10135.1	8594.2	5322.6
75°	1226.2	1226.2	1215.3	1177.4	965.8	786.7	857.3	3651.5	4221.2	5740.4	3949.9
77.5°	971.2	1068.9	1182.8	1112.3	884.4	591.4	499.2	1058.0	1334.7	3521.3	2864.7
80°	450.3	455.8	450.3	472.0	564.3	423.2	368.9	515.4	520.9	1953.2	1774.2
82.5°	325.5	331.0	314.7	282.1	249.6	227.9	303.8	379.8	406.9	895.2	661.9
85°	97.7	92.2	108.5	146.5	173.6	200.7	255.0	320.1	336.4	331.0	97.7
87.5°	43.4	43.4	54.3	76.0	103.1	151.9	222.5	293.0	298.4	341.8	27.1
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-SA4C-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2	130.2
2.5°	135.6	130.2	124.8	119.4	113.9	108.5	103.1	103.1	108.5	108.5	108.5
5°	130.2	124.8	113.9	103.1	97.7	92.2	86.8	86.8	92.2	92.2	92.2
7.5°	130.2	119.4	108.5	97.7	86.8	81.4	76.0	76.0	76.0	81.4	81.4
10°	130.2	119.4	103.1	86.8	76.0	70.5	65.1	59.7	65.1	65.1	65.1
12.5°	124.8	113.9	97.7	81.4	65.1	54.3	48.8	48.8	48.8	48.8	48.8
15°	119.4	108.5	92.2	70.5	54.3	43.4	32.6	32.6	32.6	38.0	38.0
17.5°	113.9	103.1	81.4	54.3	38.0	27.1	21.7	21.7	21.7	27.1	27.1
20°	113.9	97.7	70.5	43.4	27.1	16.3	10.9	10.9	10.9	16.3	21.7
22.5°	113.9	97.7	65.1	32.6	16.3	10.9	5.4	5.4	5.4	5.4	5.4
25°	113.9	92.2	59.7	27.1	10.9	5.4	0.0	0.0	5.4	10.9	16.3
27.5°	113.9	86.8	48.8	16.3	10.9	5.4	0.0	5.4	10.9	10.9	10.9
30°	113.9	86.8	43.4	16.3	5.4	0.0	0.0	5.4	10.9	10.9	16.3
32.5°	119.4	81.4	38.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	124.8	76.0	32.6	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	135.6	76.0	21.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	151.9	81.4	21.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	189.9	86.8	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	265.9	108.5	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	390.6	162.8	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	569.7	222.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	699.9	222.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	694.5	141.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	531.7	97.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	450.3	70.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	542.6	54.3	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	965.8	48.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1551.7	48.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1736.2	48.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1356.4	43.4	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	743.3	38.0	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	374.4	27.1	10.9	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	157.3	21.7	10.9	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.3	21.7	10.9	10.9	5.4	5.4	0.0	0.0	0.0	0.0	0.0
85°	27.1	16.3	16.3	10.9	10.9	5.4	5.4	0.0	0.0	0.0	0.0
87.5°	16.3	16.3	16.3	10.9	10.9	5.4	5.4	0.0	0.0	0.0	5.4
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

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: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

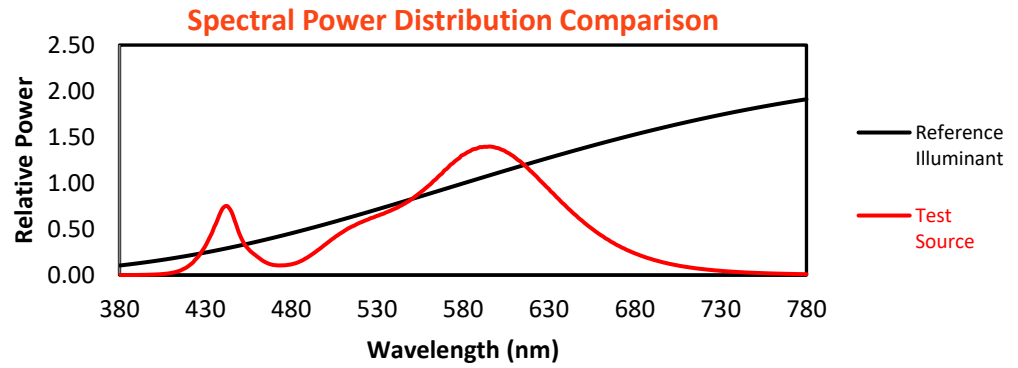
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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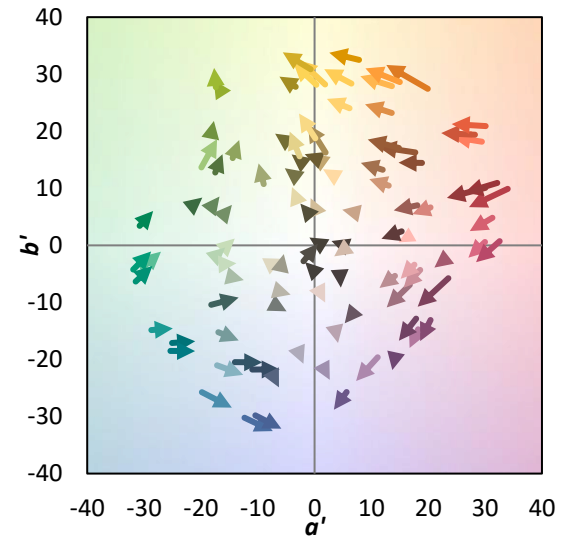
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$



Color Vector Graphics



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

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)