

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: P1067476

Luminaire Tested: **NAV-SA4D-730-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067476
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4D-730-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22059.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 218.9
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

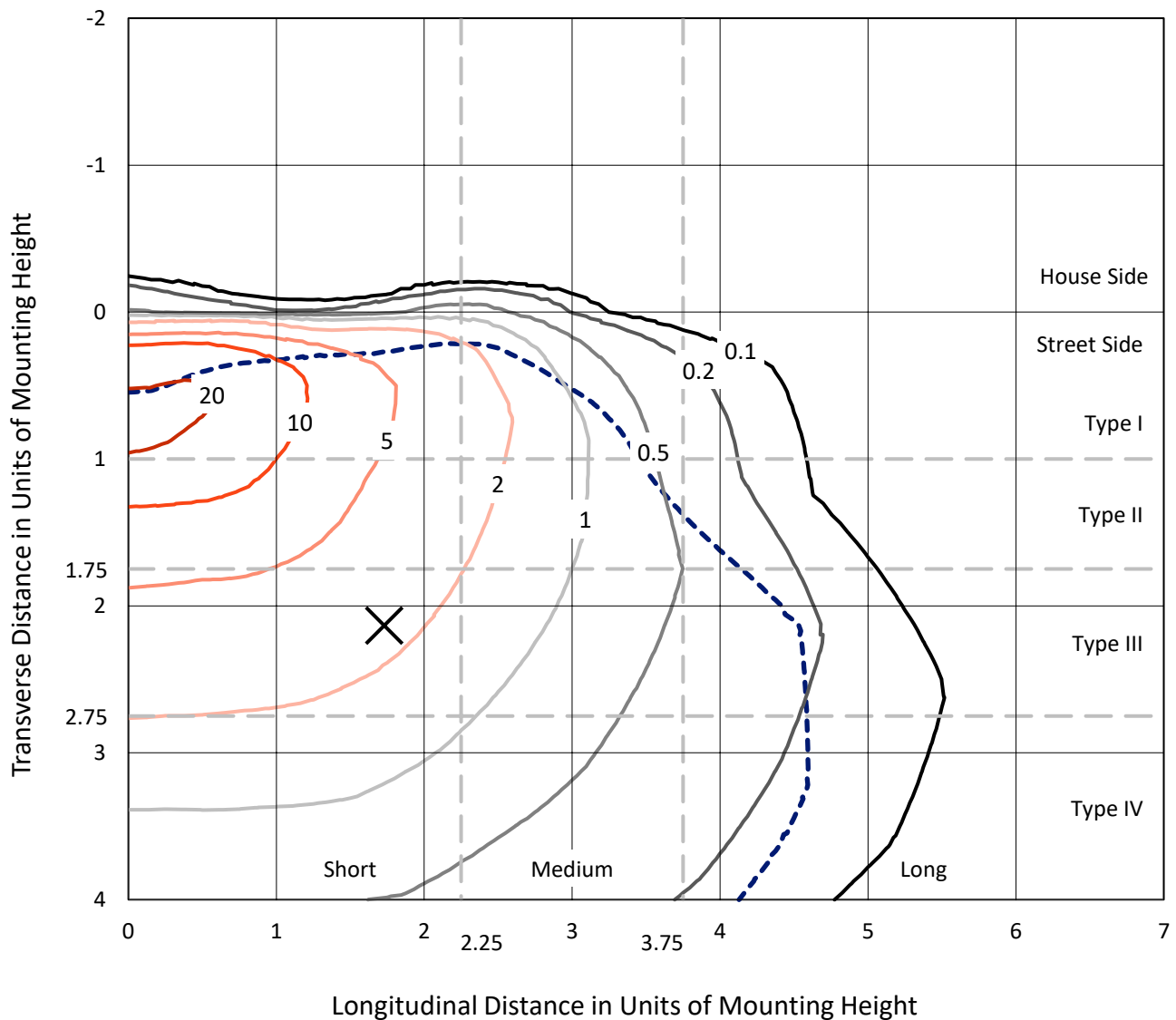


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

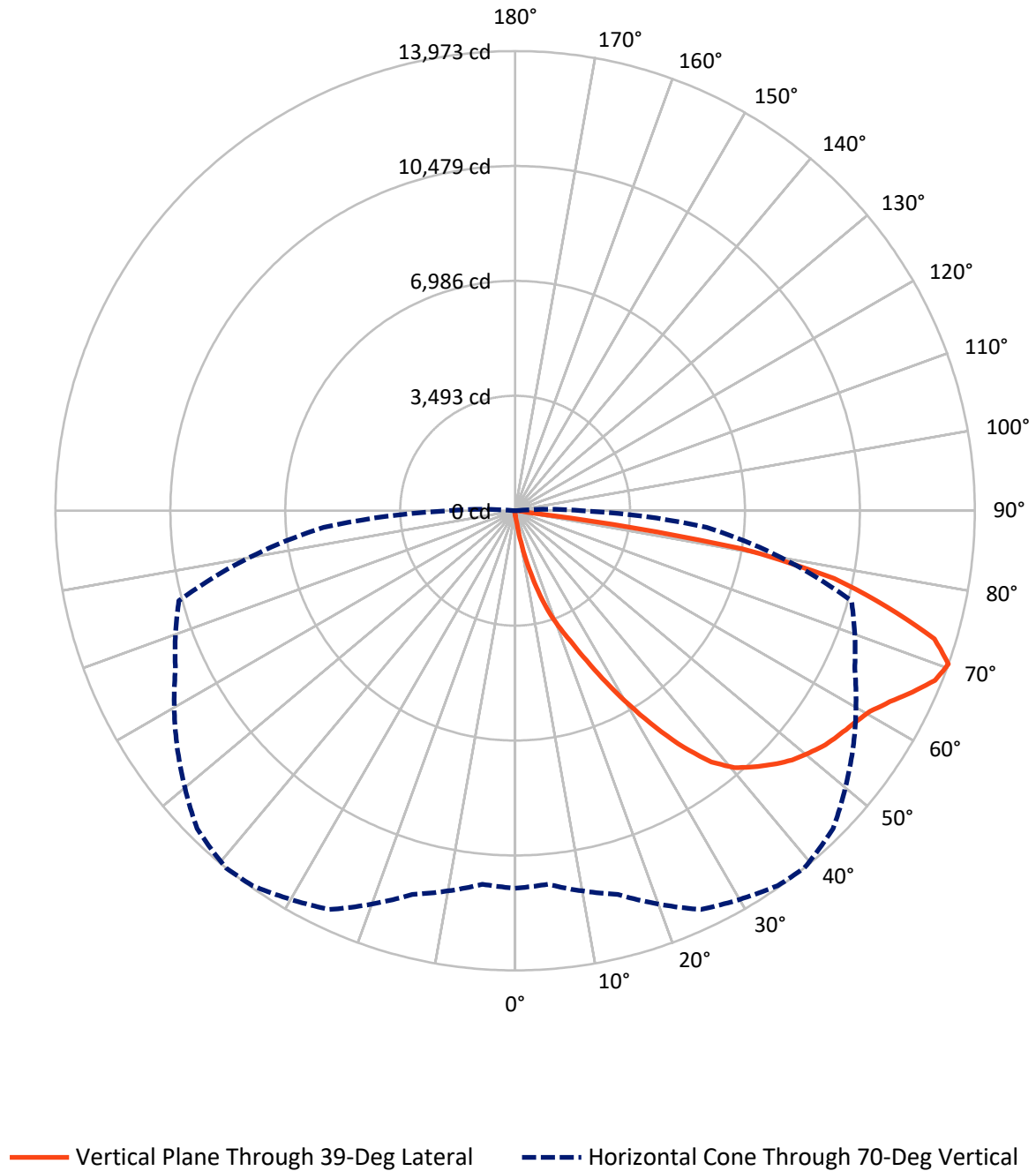


Based on 15 foot mounting height. Maximum calculated value = 24 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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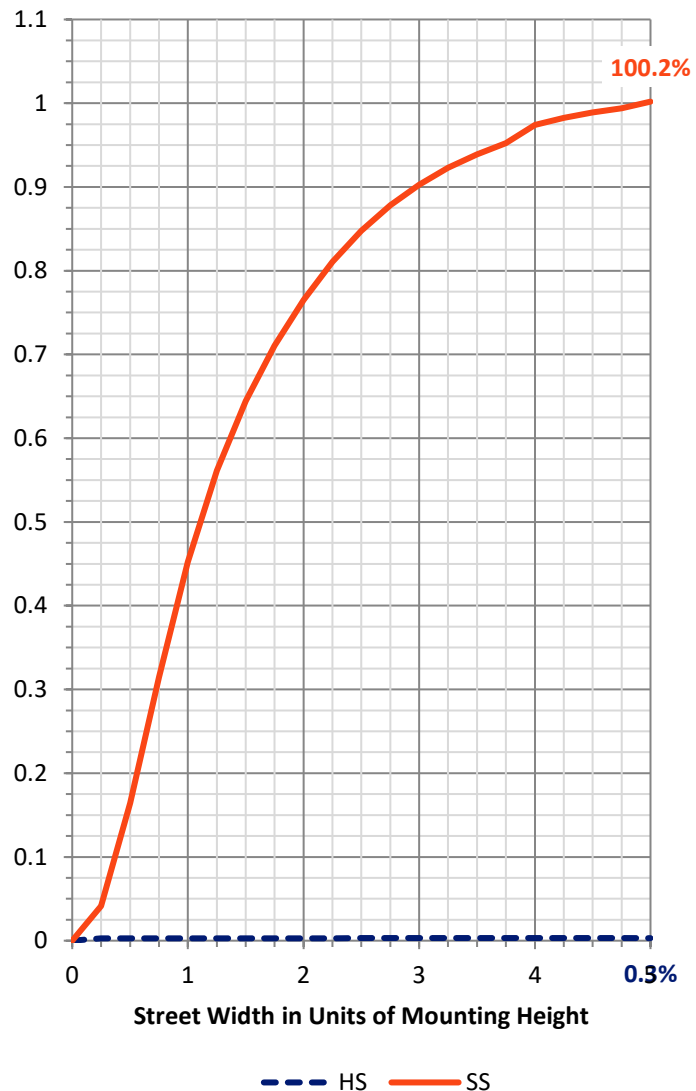
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.9	0.0	67.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	21991.5	0.0	21991.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	22059.4	0.0	22059.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.1
10°-20°	271.2	1.2
20°-30°	920.3	4.2
30°-40°	2162.8	9.8
40°-50°	3512.0	15.9
50°-60°	4450.4	20.2
60°-70°	5653.2	25.6
70°-80°	4593.2	20.8
80°-90°	473.0	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°	22059.4	100.0
0°-180°	22059.4	100.0



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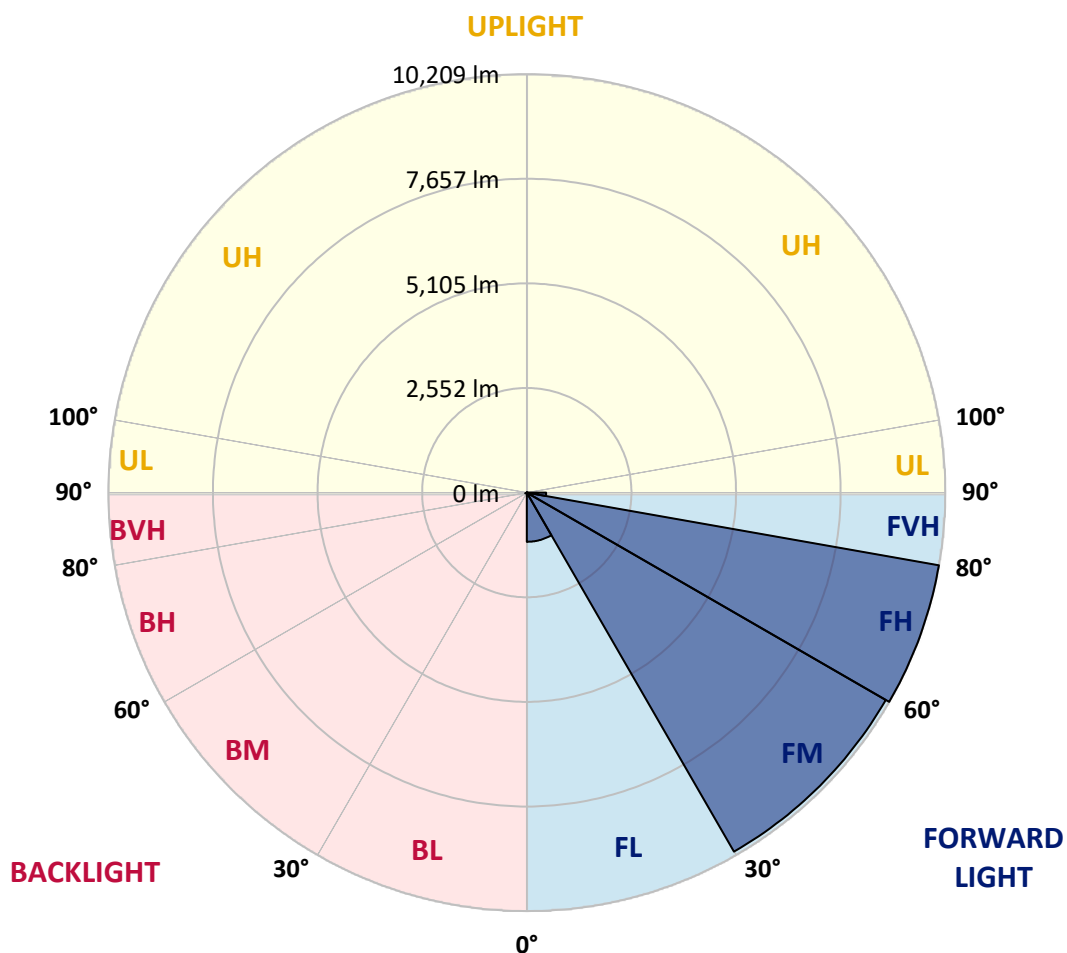
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1200.0	5.4			
FM	(30°-60°)	10112.2	45.8			
FH	(60°-80°)	10209.1	46.3			G4/12000
FVH	(80°-90°)	470.1	2.1			G3/500
BL	(0°-30°)	14.7	0.1	B0/110		
BM	(30°-60°)	13.1	0.1	B0/220		
BH	(60°-80°)	37.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8
2.5°	155.7	155.7	155.7	149.7	149.7	143.7	143.7	137.7	131.8	131.8	125.8
5°	293.5	299.5	281.5	245.6	221.6	209.6	197.6	167.7	149.7	137.7	125.8
7.5°	802.5	778.6	742.6	622.9	479.1	407.3	347.4	245.6	179.7	143.7	125.8
10°	1688.9	1623.0	1521.2	1359.5	1078.0	964.2	748.6	449.2	251.5	161.7	125.8
12.5°	2479.5	2491.4	2365.7	2210.0	1868.6	1676.9	1383.5	844.5	395.3	191.6	125.8
15°	3078.4	3066.4	3018.5	2892.7	2587.3	2401.6	2138.1	1419.4	664.8	239.6	131.8
17.5°	3551.5	3503.6	3485.6	3431.7	3234.1	3132.3	2844.8	2090.2	1054.1	323.4	137.7
20°	4024.6	4012.7	3994.7	3934.8	3803.0	3731.2	3509.6	2766.9	1569.1	461.2	149.7
22.5°	4713.4	4647.5	4659.5	4527.7	4419.9	4294.2	4114.5	3485.6	2162.0	658.8	167.7
25°	5521.9	5515.9	5420.1	5360.2	5180.5	5042.8	4803.2	4180.4	2820.8	952.3	185.7
27.5°	6474.2	6408.3	6366.4	6264.6	6078.9	5923.2	5593.8	4869.1	3533.5	1281.7	209.6
30°	7468.4	7468.4	7390.5	7234.8	7055.1	6863.5	6528.1	5593.8	4240.3	1700.9	239.6
32.5°	8630.2	8654.2	8462.5	8229.0	7995.4	7863.6	7426.4	6414.3	4917.0	2180.0	275.5
35°	9756.2	9726.2	9408.8	9151.3	8977.6	8833.9	8462.5	7312.6	5683.6	2737.0	323.4
37.5°	10834.2	10756.3	10229.3	9864.0	9786.1	9690.3	9319.0	8211.0	6444.2	3353.9	383.3
40°	11606.8	11487.0	10942.0	10438.9	10325.1	10271.2	9983.8	9025.5	7246.8	4042.6	461.2
42.5°	11942.2	11804.4	11427.1	11019.9	10768.3	10642.6	10391.0	9690.3	8049.3	4809.2	574.9
45°	12008.1	11900.3	11630.7	11534.9	11193.5	11001.9	10660.5	10163.4	8797.9	5569.8	730.7
47.5°	11768.5	11720.6	11558.9	11762.5	11588.8	11325.3	10912.1	10516.8	9462.7	6492.1	946.3
50°	11181.6	11145.6	11223.5	11756.5	11876.3	11576.8	11187.6	10792.3	10037.7	7444.4	1251.7
52.5°	10391.0	10385.0	10750.4	11600.8	12002.1	11816.4	11457.1	11067.8	10492.8	8366.7	1682.9
55°	9528.6	9630.4	10271.2	11457.1	12073.9	11990.1	11720.6	11313.3	10900.1	9223.1	2377.7
57.5°	9456.7	9414.8	10031.7	11397.2	12115.9	12163.8	11984.1	11570.9	11247.4	9923.9	3306.0
60°	10175.4	10079.6	10313.2	11522.9	12301.5	12385.4	12247.6	11768.5	11594.8	10474.9	4527.7
62.5°	11007.9	10918.0	11037.8	12008.1	12666.9	12786.6	12612.9	11972.1	11876.3	10858.2	5839.3
65°	11672.7	11600.8	11828.4	12732.7	13175.9	13277.7	13158.0	12349.4	12002.1	11169.6	6905.4
67.5°	11780.5	11690.6	12163.8	13217.8	13691.0	13762.8	13667.0	12714.8	11960.1	11193.5	7150.9
70°	11475.0	11397.2	12073.9	13373.6	13912.6	13972.5	13667.0	12541.1	11391.2	10582.7	5845.3
72.5°	10534.7	10594.6	11469.0	12996.2	13607.1	13331.6	12684.8	11666.7	10654.5	8971.6	4102.5
75°	9073.4	9139.3	10301.2	11960.1	12008.1	11672.7	11325.3	10732.4	9534.6	5911.2	2844.8
77.5°	6450.2	6216.6	7953.5	9876.0	9702.3	9917.9	9947.8	8929.7	7983.4	3078.4	1904.5
80°	634.8	539.0	1000.2	2832.8	6258.6	6995.2	7282.7	6881.4	5887.2	1377.5	1000.2
82.5°	137.7	137.7	149.7	161.7	251.5	377.3	1730.8	4240.3	3803.0	700.7	323.4
85°	77.9	77.9	95.8	113.8	149.7	167.7	197.6	263.5	1024.1	251.5	59.9
87.5°	59.9	65.9	77.9	95.8	125.8	137.7	167.7	209.6	257.5	233.6	18.0
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-SA4D-730-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8	119.8
2.5°	125.8	119.8	113.8	107.8	101.8	101.8	95.8	95.8	95.8	95.8	95.8
5°	119.8	113.8	107.8	95.8	89.8	83.8	77.9	77.9	77.9	77.9	77.9
7.5°	119.8	113.8	101.8	89.8	77.9	71.9	65.9	59.9	59.9	65.9	65.9
10°	119.8	107.8	89.8	77.9	65.9	59.9	53.9	47.9	47.9	47.9	47.9
12.5°	113.8	101.8	83.8	71.9	59.9	47.9	35.9	29.9	29.9	29.9	29.9
15°	107.8	95.8	77.9	59.9	41.9	29.9	24.0	18.0	18.0	18.0	18.0
17.5°	107.8	89.8	71.9	53.9	29.9	18.0	12.0	6.0	6.0	6.0	12.0
20°	107.8	89.8	65.9	41.9	18.0	12.0	12.0	6.0	0.0	6.0	6.0
22.5°	107.8	83.8	53.9	29.9	18.0	12.0	6.0	0.0	0.0	0.0	0.0
25°	113.8	83.8	47.9	24.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0
27.5°	113.8	77.9	41.9	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	119.8	77.9	35.9	12.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	119.8	71.9	24.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	119.8	65.9	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	119.8	59.9	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	125.8	53.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	131.8	47.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	137.7	41.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	155.7	41.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	179.7	41.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	215.6	41.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	281.5	35.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	407.3	35.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	682.8	35.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1197.8	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2024.3	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2641.2	41.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2006.3	35.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	958.2	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	425.2	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	185.7	18.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	71.9	12.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.9	12.0	6.0	6.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0
85°	18.0	12.0	12.0	12.0	6.0	6.0	6.0	0.0	0.0	0.0	0.0
87.5°	12.0	12.0	12.0	12.0	12.0	6.0	6.0	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: SP1-2407-184-4

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
 CIE u' : 0.2504
 CIE v' : 0.5243
 Duv: 0.0019
 CIE x: 0.4408
 CIE y: 0.4101
 CIE z: 0.1491
 Peak Wavelength (nm): 595
 Dominant Wavelength (nm): 582
 Purity: 55.41818
 R_f: 73.8
 R_g: 94.4

CRI (Ra): 70.8
 R1: 66.3
 R2: 80.6
 R3: 94.5
 R4: 68.2
 R5: 66.5
 R6: 74.7
 R7: 76.2
 R8: 39.6
 R9: -43.2
 R10: 57.6
 R11: 64.8
 R12: 53.5
 R13: 68.7
 R14: 97.0
 R15: 56.4



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

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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

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

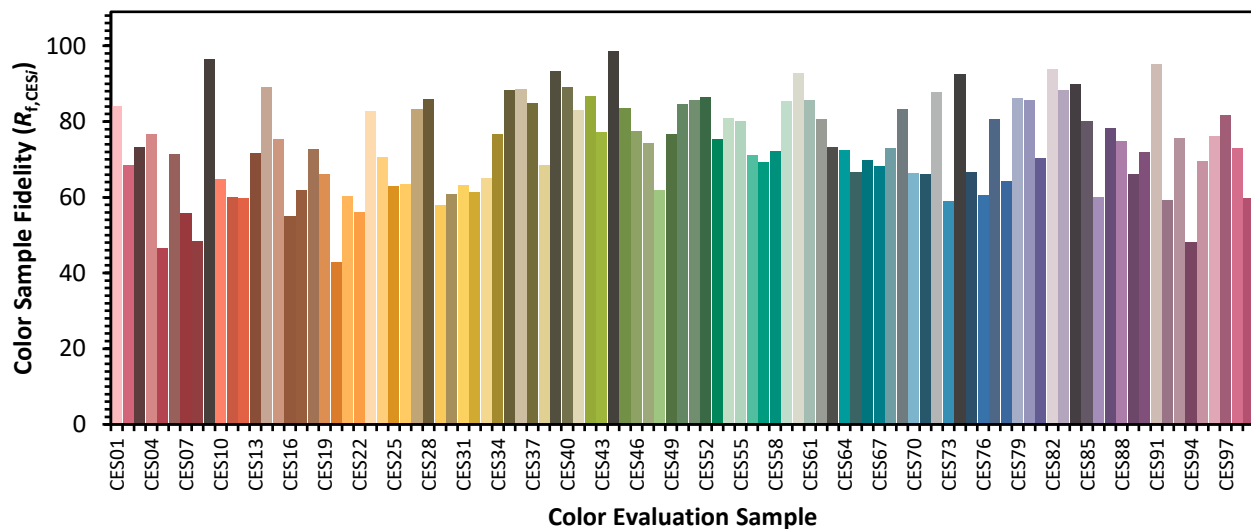


Color Vector Graphics



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)