

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: P1067223

Luminaire Tested: **NAV-SA1C-730-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067223
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-730-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5153.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 50.1
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

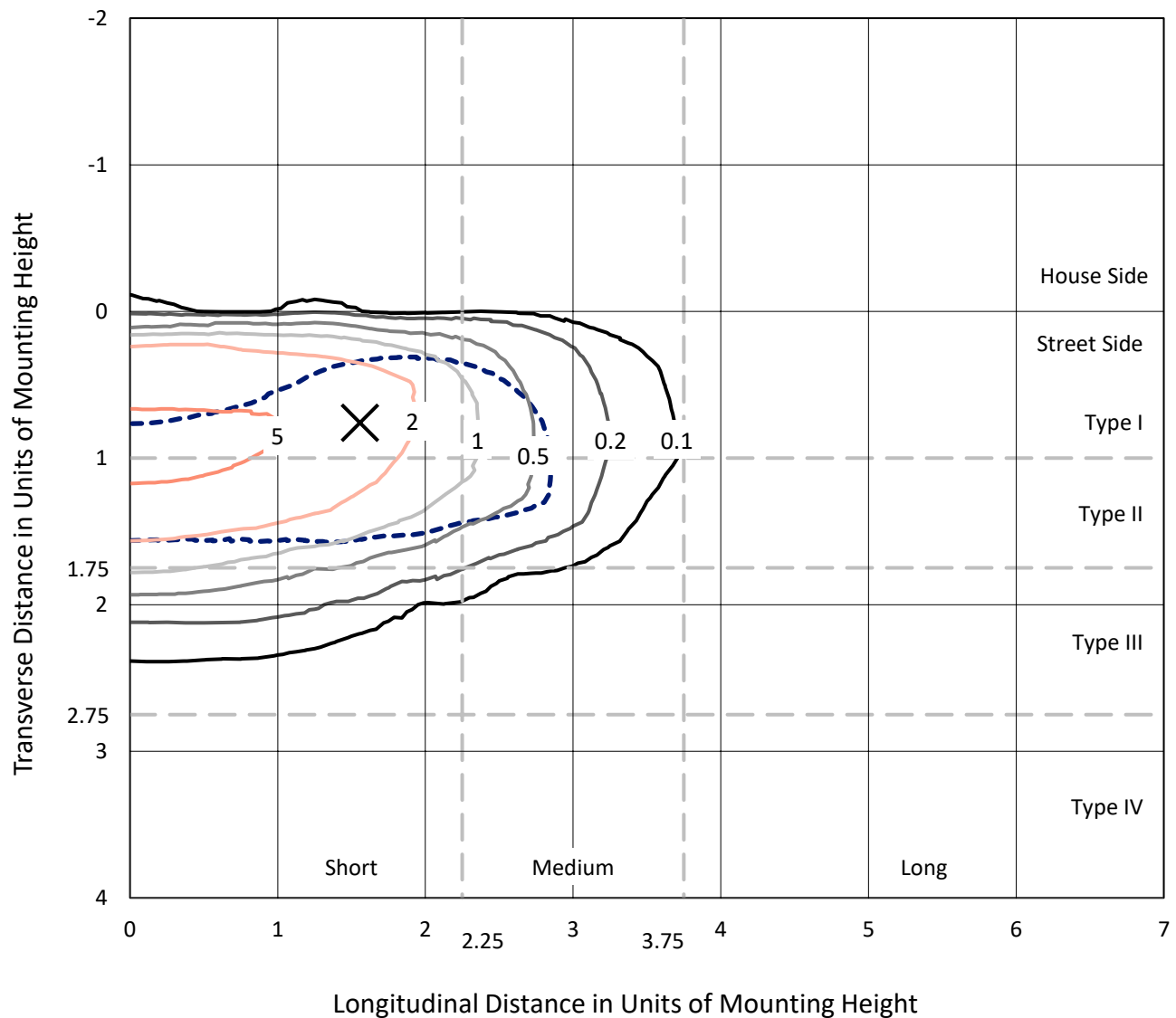


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

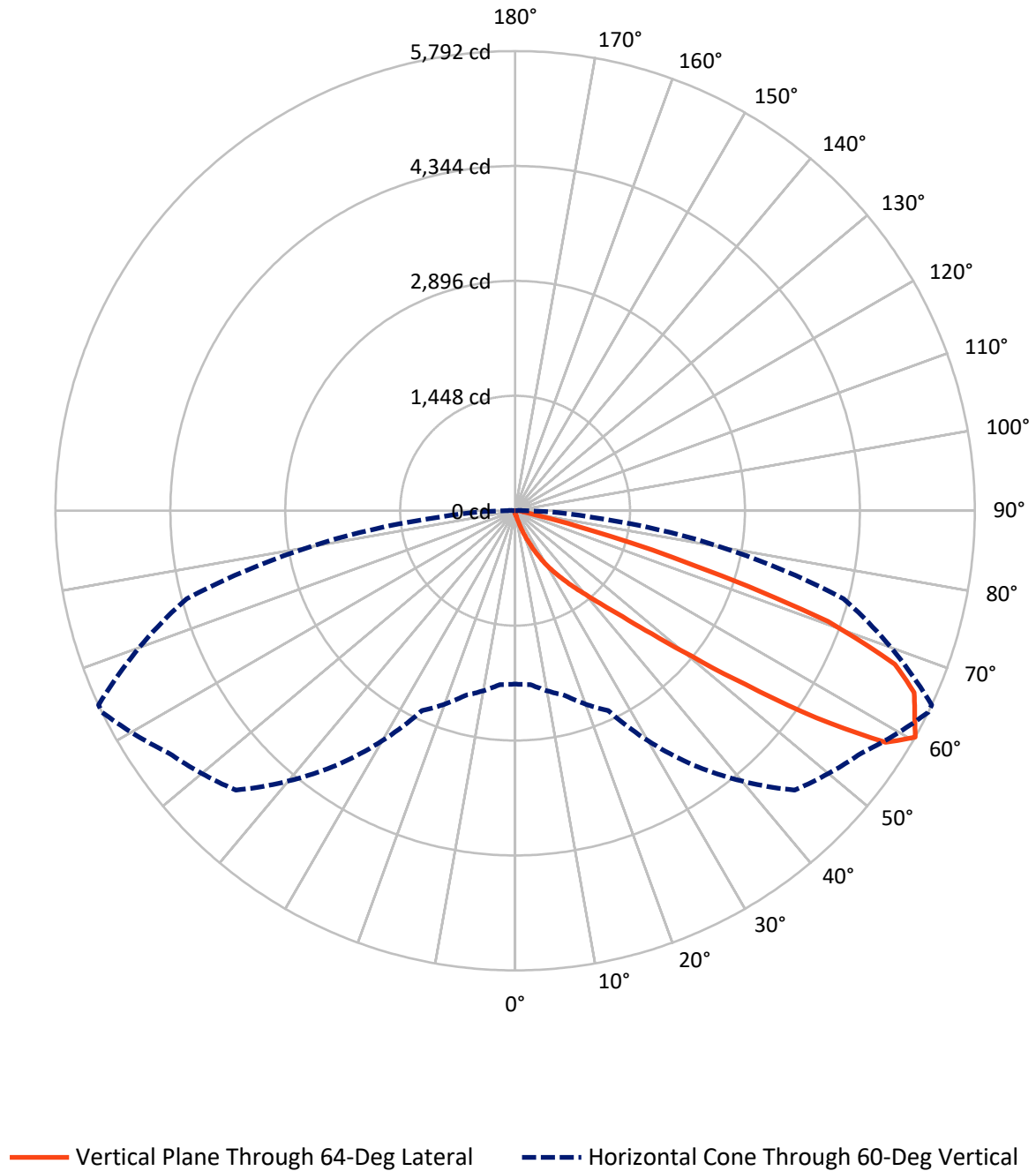


Based on 15 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20.9	0.0	20.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5132.5	0.0	5132.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	5153.4	0.0	5153.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	50.6	1.0
20°-30°	168.2	3.3
30°-40°	448.8	8.7
40°-50°	1140.7	22.1
50°-60°	1662.9	32.3
60°-70°	1284.4	24.9
70°-80°	352.7	6.8
80°-90°	39.8	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°	5153.4	100.0
0°-180°	5153.4	100.0



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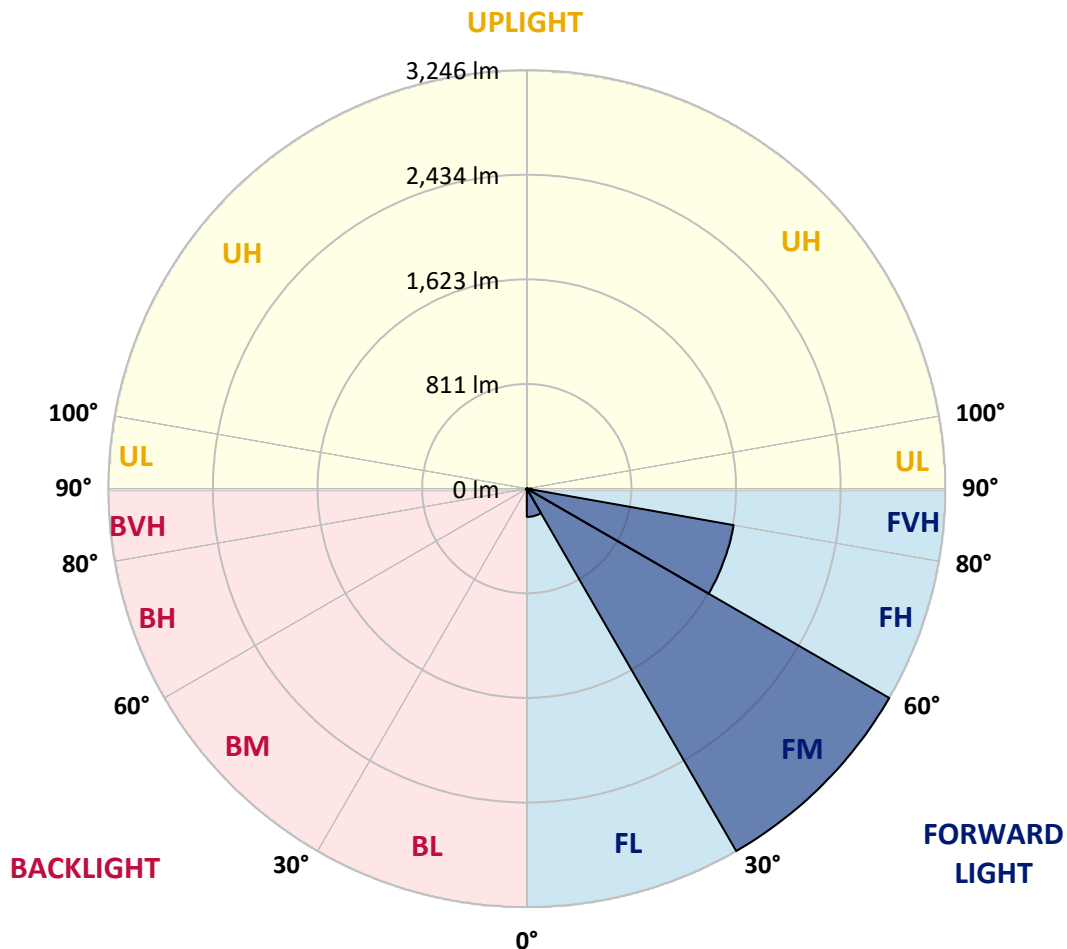
CATALOG NUMBER: NAV-SA1C-730-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.3	4.3			
FM	(30°-60°)	3245.5	63.0			
FH	(60°-80°)	1628.8	31.6			G1/1800
FVH	(80°-90°)	38.9	0.8			G1/100
BL	(0°-30°)	4.7	0.1	B0/110		
BM	(30°-60°)	6.9	0.1	B0/220		
BH	(60°-80°)	8.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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 II Short



REPORT NUMBER: P1067223

CATALOG NUMBER: NAV-SA1C-730-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
2.5°	45.4	45.4	45.4	44.0	42.6	42.6	41.1	39.7	39.7	36.9	35.5
5°	69.5	69.5	66.7	63.8	59.6	53.9	48.2	44.0	44.0	39.7	36.9
7.5°	136.2	140.4	127.7	112.1	90.8	76.6	61.0	51.1	49.6	42.6	36.9
10°	295.1	292.2	272.4	234.1	184.4	133.3	85.1	62.4	59.6	45.4	36.9
12.5°	444.0	448.3	427.0	384.4	324.8	236.9	146.1	80.9	78.0	49.6	36.9
15°	571.7	571.7	557.5	536.2	471.0	378.8	235.5	120.6	110.6	53.9	35.5
17.5°	659.6	658.2	652.5	646.9	608.6	513.5	360.3	192.9	170.2	63.8	35.5
20°	758.9	754.7	761.8	750.4	720.6	645.4	492.2	286.5	265.3	80.9	35.5
22.5°	862.5	866.7	872.4	861.1	828.4	763.2	631.3	407.1	384.4	112.1	36.9
25°	994.4	991.6	1004.3	994.4	953.3	876.7	761.8	539.0	506.4	156.0	39.7
27.5°	1156.1	1150.4	1159.0	1133.4	1079.5	1001.5	878.1	673.8	635.5	224.1	45.4
30°	1370.3	1374.6	1336.3	1306.5	1229.9	1126.3	1007.2	818.5	778.8	305.0	51.1
32.5°	1707.9	1678.1	1618.6	1498.0	1397.3	1265.3	1136.3	944.8	909.3	408.5	59.6
35°	2234.2	2239.9	2109.4	1811.5	1593.0	1439.8	1278.1	1083.8	1058.2	526.3	70.9
37.5°	2875.4	2859.8	2744.9	2369.0	1879.6	1656.9	1439.8	1235.6	1198.7	653.9	85.1
40°	3601.7	3536.4	3469.8	3214.4	2476.8	1929.2	1644.1	1411.5	1383.1	801.5	107.8
42.5°	4183.3	4166.3	4177.6	4071.2	3472.6	2393.1	1915.0	1627.1	1593.0	984.5	147.5
45°	4469.8	4445.7	4513.8	4593.3	4440.1	3380.4	2351.9	1902.3	1856.9	1200.1	208.5
47.5°	4393.2	4376.2	4522.3	4678.4	4882.6	4525.2	3065.5	2313.6	2235.6	1476.7	299.3
50°	4015.9	4017.3	4257.1	4547.9	4871.3	5105.3	4122.3	2876.8	2778.9	1844.1	441.2
52.5°	3648.5	3659.8	3913.8	4337.9	4702.5	5173.4	5050.0	3635.7	3476.9	2276.8	608.6
55°	3271.2	3276.8	3501.0	4098.2	4623.0	4970.6	5526.7	4613.1	4444.3	2815.8	771.7
57.5°	2908.0	2908.0	2991.7	3522.3	4536.5	4952.1	5469.9	5506.8	5369.2	3431.5	892.3
60°	2184.6	2198.7	2407.3	2778.9	3912.4	4979.1	5325.2	5791.9	5791.9	4285.4	984.5
62.5°	1103.6	1124.9	1384.5	1746.2	2683.9	4607.4	5347.9	5648.7	5671.3	5038.7	1194.4
65°	517.8	541.9	680.9	936.2	1444.1	3242.8	5112.4	5526.7	5519.6	4895.4	1637.0
67.5°	371.7	378.8	425.6	546.1	777.4	1421.4	3902.4	5162.1	5164.9	4159.2	1882.4
70°	333.4	333.4	344.7	380.2	468.1	635.5	1896.6	4180.5	4383.3	3211.6	1744.8
72.5°	329.1	326.3	323.4	324.8	316.3	319.2	651.1	2360.5	2649.8	2247.0	1391.6
75°	320.6	320.6	317.8	307.8	252.5	205.7	224.1	954.7	1103.6	1500.8	1032.7
77.5°	253.9	279.5	309.2	290.8	231.2	154.6	130.5	276.6	349.0	920.6	749.0
80°	117.7	119.2	117.7	123.4	147.5	110.6	96.5	134.8	136.2	510.7	463.9
82.5°	85.1	86.5	82.3	73.8	65.3	59.6	79.4	99.3	106.4	234.1	173.1
85°	25.5	24.1	28.4	38.3	45.4	52.5	66.7	83.7	87.9	86.5	25.5
87.5°	11.3	11.3	14.2	19.9	27.0	39.7	58.2	76.6	78.0	89.4	7.1
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-SA1C-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
2.5°	35.5	34.0	32.6	31.2	29.8	28.4	27.0	27.0	28.4	28.4	28.4
5°	34.0	32.6	29.8	27.0	25.5	24.1	22.7	22.7	24.1	24.1	24.1
7.5°	34.0	31.2	28.4	25.5	22.7	21.3	19.9	19.9	19.9	21.3	21.3
10°	34.0	31.2	27.0	22.7	19.9	18.4	17.0	15.6	17.0	17.0	17.0
12.5°	32.6	29.8	25.5	21.3	17.0	14.2	12.8	12.8	12.8	12.8	12.8
15°	31.2	28.4	24.1	18.4	14.2	11.3	8.5	8.5	8.5	9.9	9.9
17.5°	29.8	27.0	21.3	14.2	9.9	7.1	5.7	5.7	5.7	7.1	7.1
20°	29.8	25.5	18.4	11.3	7.1	4.3	2.8	2.8	2.8	4.3	5.7
22.5°	29.8	25.5	17.0	8.5	4.3	2.8	1.4	1.4	1.4	1.4	1.4
25°	29.8	24.1	15.6	7.1	2.8	1.4	0.0	0.0	1.4	2.8	4.3
27.5°	29.8	22.7	12.8	4.3	2.8	1.4	0.0	1.4	2.8	2.8	2.8
30°	29.8	22.7	11.3	4.3	1.4	0.0	0.0	1.4	2.8	2.8	4.3
32.5°	31.2	21.3	9.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	32.6	19.9	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	35.5	19.9	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	39.7	21.3	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	49.6	22.7	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	69.5	28.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	102.1	42.6	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	148.9	58.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	183.0	58.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	181.6	36.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	139.0	25.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	117.7	18.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	141.9	14.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	252.5	12.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	405.7	12.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	453.9	12.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	354.6	11.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	194.3	9.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	97.9	7.1	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	41.1	5.7	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	5.7	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0	0.0
85°	7.1	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
87.5°	4.3	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0	0.0	1.4
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

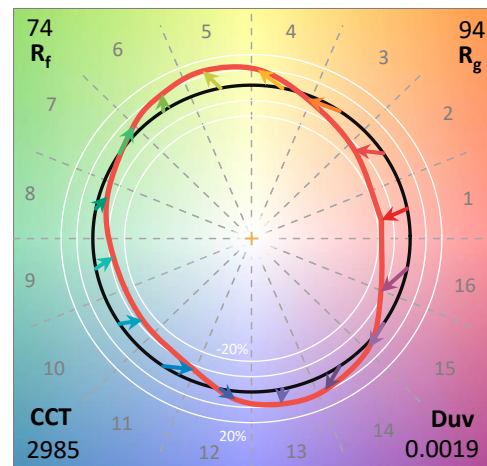
Test Information

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
 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			

REPORT NUMBER: SP1-2407-184-4

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)