

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: P1067591

Luminaire Tested: **NAV-SA3C-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067591
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3C-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13158.5 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 140.4
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

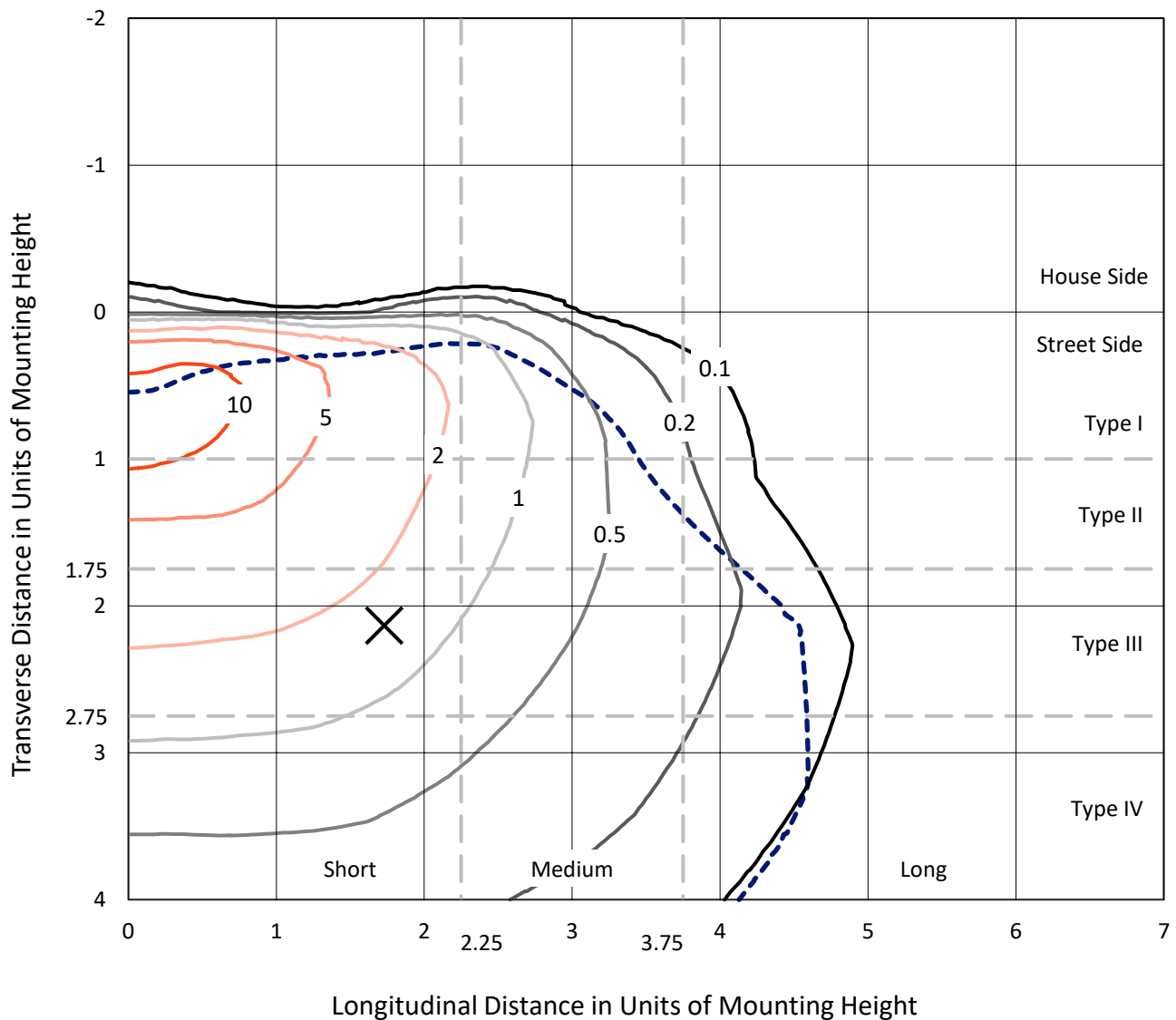


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

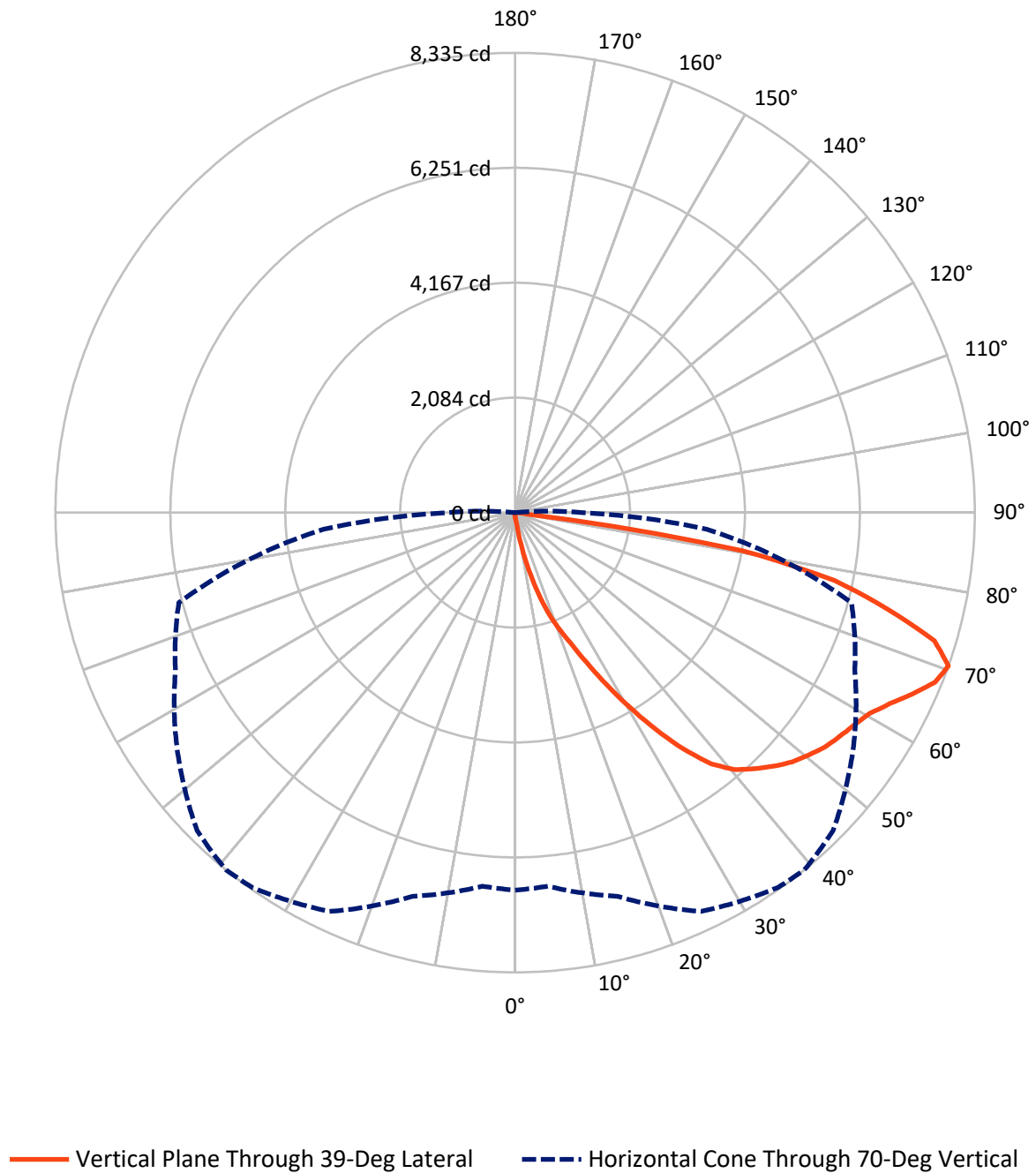


Based on 15 foot mounting height. Maximum calculated value = 14.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40.5	0.0	40.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	13118.0	0.0	13118.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	13158.5	0.0	13158.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.1
10°-20°	161.8	1.2
20°-30°	549.0	4.2
30°-40°	1290.1	9.8
40°-50°	2094.9	15.9
50°-60°	2654.7	20.2
60°-70°	3372.2	25.6
70°-80°	2739.9	20.8
80°-90°	282.1	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°	13158.5	100.0
0°-180°	13158.5	100.0



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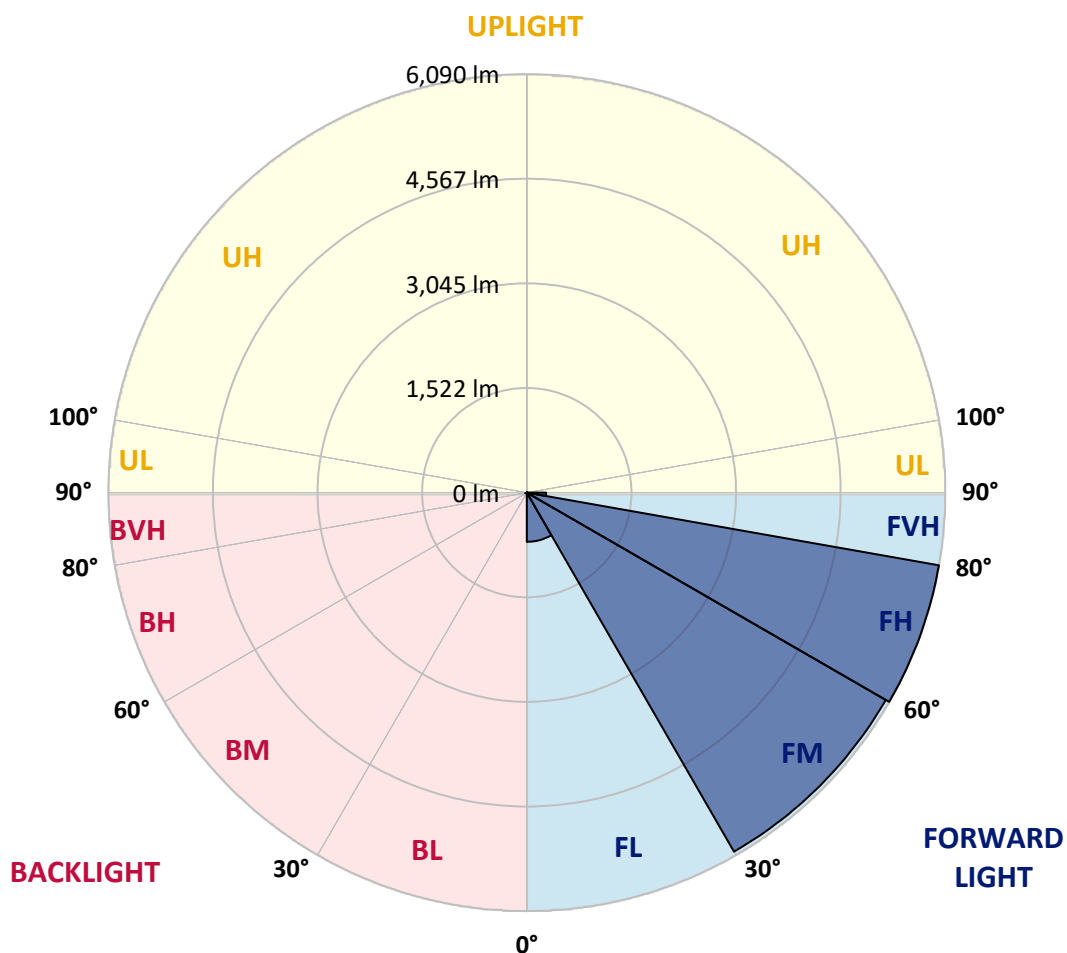
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	715.8	5.4			
FM	(30°-60°)	6032.0	45.8			
FH	(60°-80°)	6089.8	46.3			G3/7500
FVH	(80°-90°)	280.4	2.1			G3/500
BL	(0°-30°)	8.8	0.1	B0/110		
BM	(30°-60°)	7.8	0.1	B0/220		
BH	(60°-80°)	22.3	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
2.5°	92.9	92.9	92.9	89.3	89.3	85.7	85.7	82.2	78.6	78.6	75.0
5°	175.1	178.6	167.9	146.5	132.2	125.0	117.9	100.0	89.3	82.2	75.0
7.5°	478.7	464.4	443.0	371.5	285.8	242.9	207.2	146.5	107.2	85.7	75.0
10°	1007.4	968.1	907.4	811.0	643.0	575.2	446.6	267.9	150.0	96.5	75.0
12.5°	1479.0	1486.2	1411.1	1318.2	1114.6	1000.3	825.2	503.7	235.8	114.3	75.0
15°	1836.3	1829.1	1800.5	1725.5	1543.3	1432.6	1275.4	846.7	396.5	142.9	78.6
17.5°	2118.5	2089.9	2079.2	2047.0	1929.1	1868.4	1696.9	1246.8	628.8	192.9	82.2
20°	2400.7	2393.6	2382.8	2347.1	2268.5	2225.7	2093.5	1650.5	936.0	275.1	89.3
22.5°	2811.5	2772.2	2779.4	2700.8	2636.5	2561.5	2454.3	2079.2	1289.7	393.0	100.0
25°	3293.8	3290.3	3233.1	3197.4	3090.2	3008.0	2865.1	2493.6	1682.6	568.0	110.7
27.5°	3861.9	3822.6	3797.6	3736.8	3626.1	3533.2	3336.7	2904.4	2107.8	764.5	125.0
30°	4454.9	4454.9	4408.4	4315.6	4208.4	4094.1	3894.0	3336.7	2529.3	1014.6	142.9
32.5°	5148.0	5162.2	5047.9	4908.6	4769.3	4690.7	4429.9	3826.1	2933.0	1300.4	164.3
35°	5819.6	5801.7	5612.4	5458.8	5355.2	5269.4	5047.9	4362.0	3390.3	1632.6	192.9
37.5°	6462.6	6416.2	6101.8	5883.9	5837.4	5780.3	5558.8	4897.9	3844.0	2000.6	228.6
40°	6923.5	6852.0	6526.9	6226.8	6159.0	6126.8	5955.3	5383.7	4322.7	2411.4	275.1
42.5°	7123.5	7041.4	6816.3	6573.4	6423.3	6348.3	6198.3	5780.3	4801.4	2868.7	343.0
45°	7162.8	7098.5	6937.8	6880.6	6677.0	6562.7	6359.0	6062.5	5248.0	3322.4	435.8
47.5°	7019.9	6991.4	6894.9	7016.4	6912.8	6755.6	6509.1	6273.3	5644.5	3872.6	564.5
50°	6669.8	6648.4	6694.8	7012.8	7084.2	6905.6	6673.4	6437.6	5987.5	4440.6	746.6
52.5°	6198.3	6194.7	6412.6	6919.9	7159.3	7048.5	6834.2	6602.0	6259.0	4990.8	1003.9
55°	5683.8	5744.6	6126.8	6834.2	7202.1	7152.1	6991.4	6748.4	6501.9	5501.6	1418.3
57.5°	5641.0	5615.9	5983.9	6798.4	7227.1	7255.7	7148.5	6902.0	6709.1	5919.6	1972.0
60°	6069.7	6012.5	6151.8	6873.5	7337.9	7387.9	7305.7	7019.9	6916.3	6248.3	2700.8
62.5°	6566.2	6512.6	6584.1	7162.8	7555.8	7627.3	7523.7	7141.4	7084.2	6476.9	3483.2
65°	6962.8	6919.9	7055.7	7595.1	7859.5	7920.2	7848.8	7366.5	7159.3	6662.7	4119.1
67.5°	7027.1	6973.5	7255.7	7884.5	8166.7	8209.6	8152.4	7584.4	7134.3	6677.0	4265.5
70°	6844.9	6798.4	7202.1	7977.4	8298.9	8334.6	8152.4	7480.8	6794.9	6312.6	3486.7
72.5°	6284.0	6319.7	6841.3	7752.3	8116.7	7952.4	7566.5	6959.2	6355.5	5351.6	2447.2
75°	5412.3	5451.6	6144.7	7134.3	7162.8	6962.8	6755.6	6401.9	5687.4	3526.0	1696.9
77.5°	3847.6	3708.2	4744.3	5891.0	5787.4	5916.0	5933.9	5326.6	4762.1	1836.3	1136.1
80°	378.7	321.5	596.6	1689.8	3733.2	4172.7	4344.1	4104.8	3511.8	821.7	596.6
82.5°	82.2	82.2	89.3	96.5	150.0	225.1	1032.4	2529.3	2268.5	418.0	192.9
85°	46.4	46.4	57.2	67.9	89.3	100.0	117.9	157.2	610.9	150.0	35.7
87.5°	35.7	39.3	46.4	57.2	75.0	82.2	100.0	125.0	153.6	139.3	10.7
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°	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
2.5°	75.0	71.4	67.9	64.3	60.7	60.7	57.2	57.2	57.2	57.2	57.2
5°	71.4	67.9	64.3	57.2	53.6	50.0	46.4	46.4	46.4	46.4	46.4
7.5°	71.4	67.9	60.7	53.6	46.4	42.9	39.3	35.7	35.7	39.3	39.3
10°	71.4	64.3	53.6	46.4	39.3	35.7	32.2	28.6	28.6	28.6	28.6
12.5°	67.9	60.7	50.0	42.9	35.7	28.6	21.4	17.9	17.9	17.9	17.9
15°	64.3	57.2	46.4	35.7	25.0	17.9	14.3	10.7	10.7	10.7	10.7
17.5°	64.3	53.6	42.9	32.2	17.9	10.7	7.1	3.6	3.6	3.6	7.1
20°	64.3	53.6	39.3	25.0	10.7	7.1	7.1	3.6	0.0	3.6	3.6
22.5°	64.3	50.0	32.2	17.9	10.7	7.1	3.6	0.0	0.0	0.0	0.0
25°	67.9	50.0	28.6	14.3	7.1	3.6	0.0	0.0	0.0	0.0	0.0
27.5°	67.9	46.4	25.0	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	71.4	46.4	21.4	7.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	71.4	42.9	14.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	71.4	39.3	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	71.4	35.7	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	75.0	32.2	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	78.6	28.6	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	82.2	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	92.9	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	107.2	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	128.6	25.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	167.9	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	242.9	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	407.3	21.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	714.5	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1207.5	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1575.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1196.8	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	571.6	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	253.6	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	110.7	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.9	7.1	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	17.9	7.1	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0
85°	10.7	7.1	7.1	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	7.1	7.1	7.1	7.1	7.1	3.6	3.6	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

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 ^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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$



Color Vector Graphics



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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)