

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: P1067355

Luminaire Tested: **NAV-SA4C-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067355
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17200.9 lumens
Efficiency: N/A
Efficacy: 90.3 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



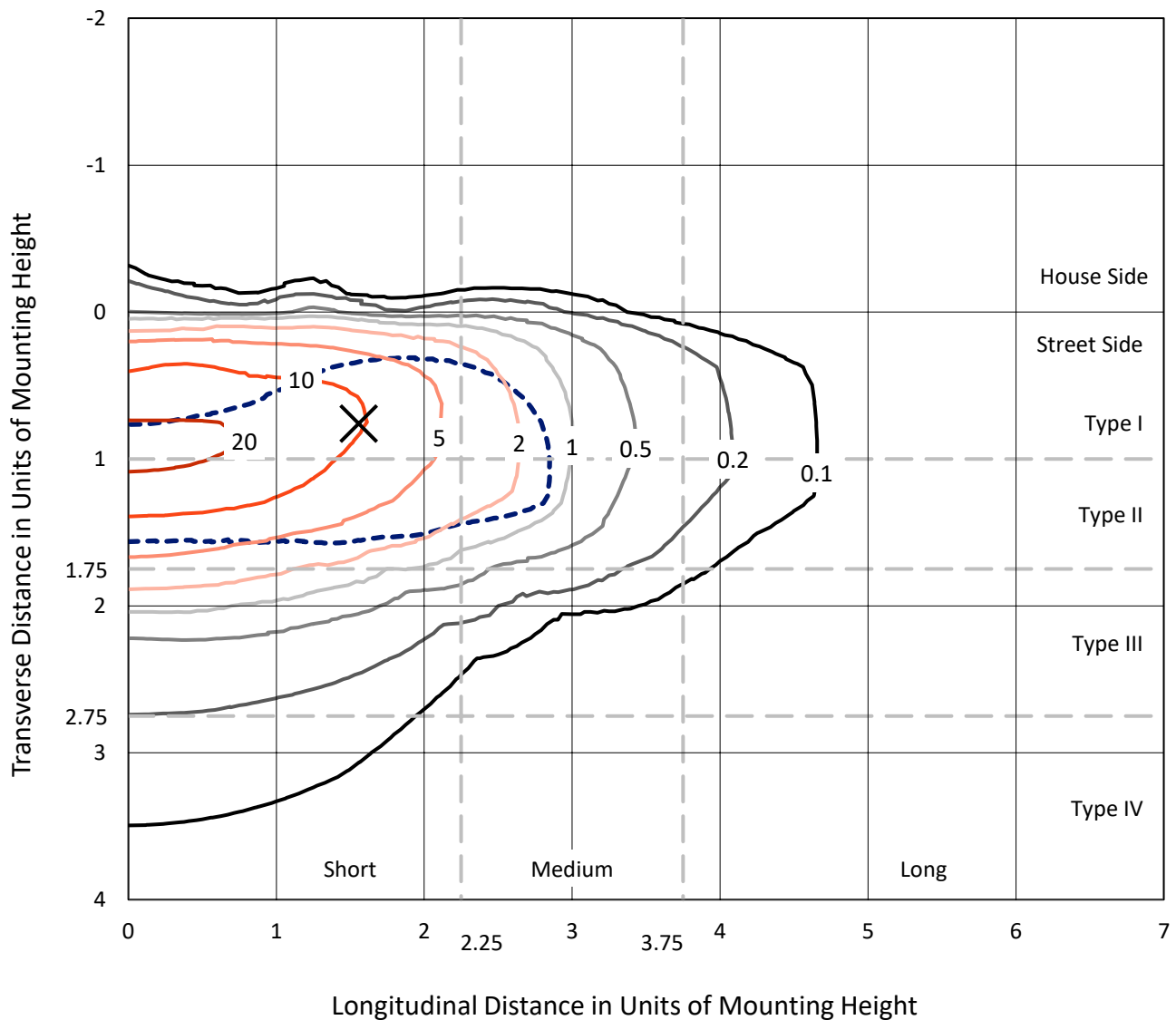
REPORT NUMBER: P1067355

CATALOG NUMBER: NAV-SA4C-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

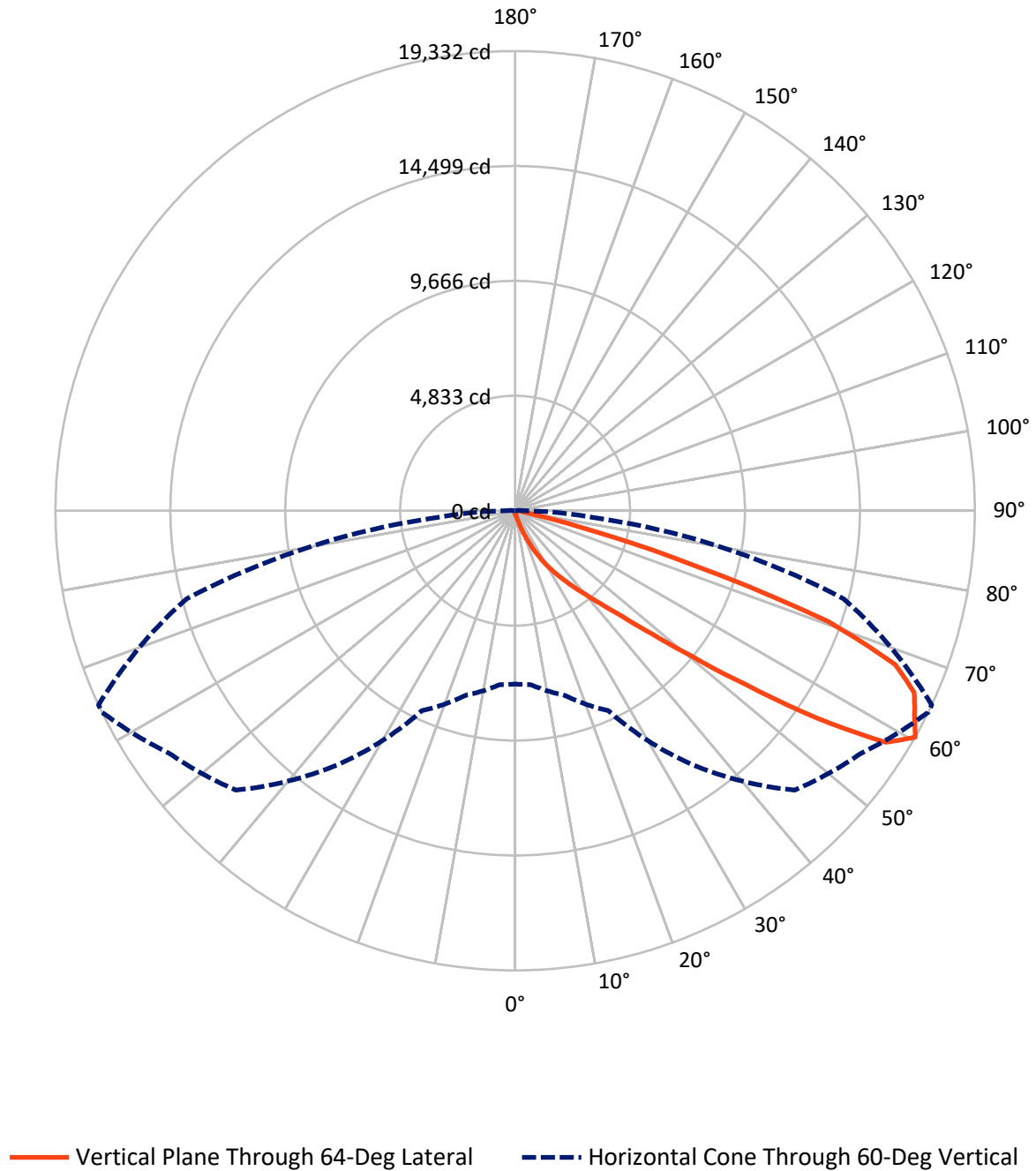


Based on 15 foot mounting height. Maximum calculated value = 24.7 fc
 Type II - Short - N/A

REPORT NUMBER: P1067355

CATALOG NUMBER: NAV-SA4C-830-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067355

CATALOG NUMBER: NAV-SA4C-830-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.7	0.0	69.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17131.2	0.0	17131.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	17200.9	0.0	17200.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.1
10°-20°	169.0	1.0
20°-30°	561.4	3.3
30°-40°	1498.0	8.7
40°-50°	3807.5	22.1
50°-60°	5550.5	32.3
60°-70°	4287.2	24.9
70°-80°	1177.3	6.8
80°-90°	132.9	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°	17200.9	100.0
0°-180°	17200.9	100.0



REPORT NUMBER: P1067355

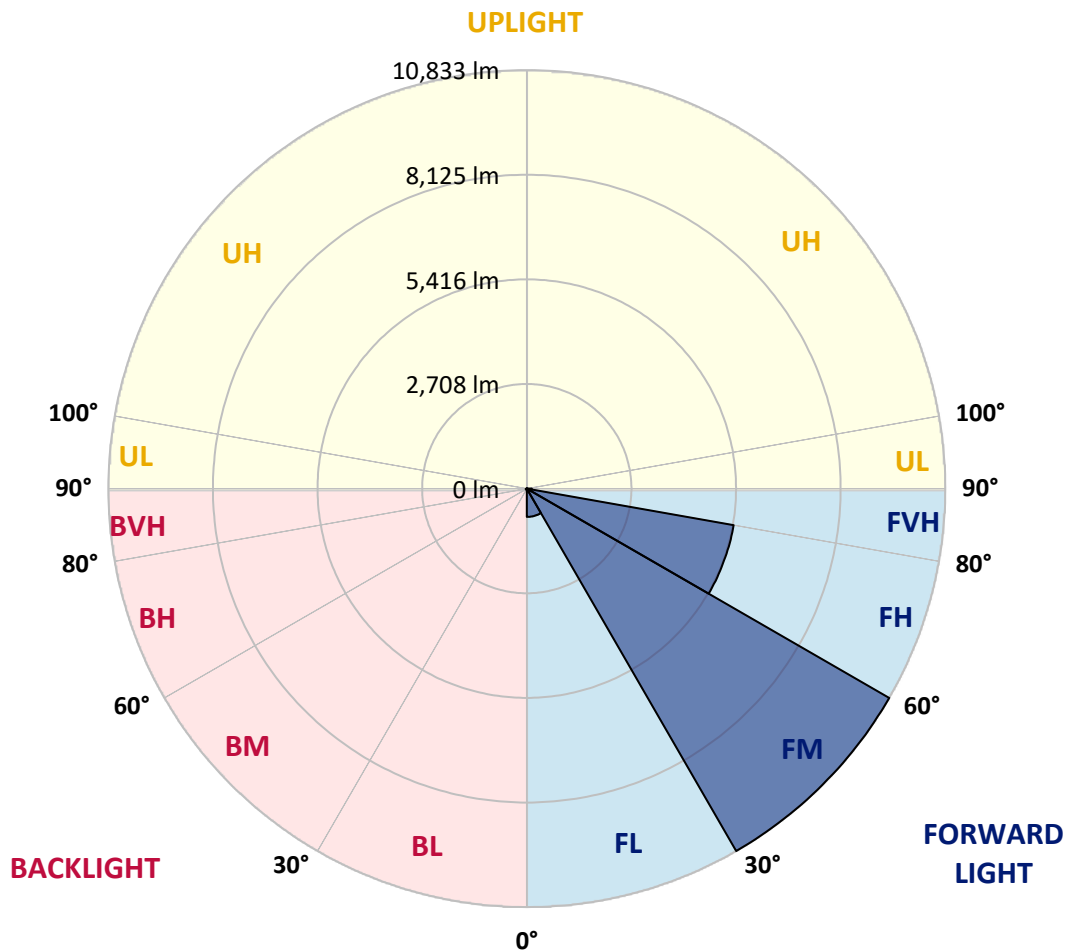
CATALOG NUMBER: NAV-SA4C-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	731.9	4.3			
FM	(30°-60°)	10832.8	63.0			
FH	(60°-80°)	5436.7	31.6			G3/7500
FVH	(80°-90°)	129.8	0.8			G2/225
BL	(0°-30°)	15.7	0.1	B0/110		
BM	(30°-60°)	23.1	0.1	B0/220		
BH	(60°-80°)	27.8	0.2	B0/110		G0/110
BVH	(80°-90°)	3.1	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: P1067355

CATALOG NUMBER: NAV-SA4C-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
2.5°	151.5	151.5	151.5	146.8	142.0	142.0	137.3	132.6	132.6	123.1	118.4
5°	232.0	232.0	222.5	213.1	198.9	179.9	161.0	146.8	146.8	132.6	123.1
7.5°	454.5	468.7	426.1	374.0	303.0	255.7	203.6	170.5	165.7	142.0	123.1
10°	984.8	975.4	909.1	781.2	615.5	445.1	284.1	208.3	198.9	151.5	123.1
12.5°	1482.0	1496.2	1425.2	1283.1	1084.3	790.7	487.7	269.9	260.4	165.7	123.1
15°	1908.1	1908.1	1860.8	1789.8	1572.0	1264.2	786.0	402.5	369.3	179.9	118.4
17.5°	2201.7	2196.9	2178.0	2159.1	2031.2	1714.0	1202.6	643.9	568.2	213.1	118.4
20°	2533.1	2518.9	2542.6	2504.7	2405.3	2154.3	1643.0	956.4	885.4	269.9	118.4
22.5°	2878.8	2893.0	2911.9	2874.0	2765.1	2547.3	2107.0	1358.9	1283.1	374.0	123.1
25°	3319.1	3309.6	3352.2	3319.1	3181.8	2926.1	2542.6	1799.2	1690.3	520.8	132.6
27.5°	3858.9	3839.9	3868.3	3783.1	3603.2	3342.8	2930.8	2249.0	2121.2	748.1	151.5
30°	4573.8	4588.0	4460.2	4360.7	4105.1	3759.4	3361.7	2732.0	2599.4	1018.0	170.5
32.5°	5700.7	5601.3	5402.4	4999.9	4663.8	4223.4	3792.6	3153.4	3035.0	1363.6	198.9
35°	7457.3	7476.2	7040.6	6046.3	5317.2	4805.8	4266.1	3617.4	3532.2	1756.6	236.7
37.5°	9597.4	9545.4	9161.8	7907.1	6273.6	5530.2	4805.8	4124.0	4000.9	2182.7	284.1
40°	12021.7	11803.9	11581.3	10729.1	8267.0	6439.3	5487.6	4711.1	4616.4	2675.2	359.8
42.5°	13962.9	13906.1	13944.0	13588.9	11590.8	7987.6	6392.0	5430.8	5317.2	3286.0	492.4
45°	14919.3	14838.9	15066.1	15331.3	14819.9	11283.0	7850.3	6349.4	6197.9	4005.6	696.0
47.5°	14663.7	14606.9	15094.5	15615.4	16297.2	15104.0	10231.9	7722.5	7462.0	4928.9	999.0
50°	13404.2	13408.9	14209.1	15179.8	16259.3	17040.5	13759.3	9602.2	9275.5	6155.2	1472.5
52.5°	12177.9	12215.8	13063.3	14479.0	15695.9	17267.8	16855.9	12135.3	11605.0	7599.4	2031.2
55°	10918.4	10937.4	11685.5	13678.8	15430.7	16590.7	18446.8	15397.6	14834.1	9398.6	2575.7
57.5°	9706.3	9706.3	9985.7	11756.5	15141.9	16529.2	18257.4	18380.5	17921.2	11453.5	2978.2
60°	7291.6	7338.9	8035.0	9275.5	13058.6	16619.1	17774.4	19332.2	19332.2	14303.8	3286.0
62.5°	3683.7	3754.7	4621.2	5828.5	8958.2	15378.6	17850.2	18854.0	18929.7	16818.0	3986.7
65°	1728.2	1808.7	2272.7	3125.0	4820.0	10823.7	17064.2	18446.8	18423.1	16339.8	5464.0
67.5°	1240.5	1264.2	1420.4	1822.9	2594.7	4744.3	13025.4	17229.9	17239.4	13882.4	6283.1
70°	1112.7	1112.7	1150.6	1268.9	1562.5	2121.2	6330.4	13953.5	14630.5	10719.6	5823.8
72.5°	1098.5	1089.0	1079.5	1084.3	1055.9	1065.3	2173.3	7878.7	8844.6	7499.9	4644.8
75°	1070.1	1070.1	1060.6	1027.5	842.8	686.5	748.1	3186.5	3683.7	5009.4	3446.9
77.5°	847.5	932.8	1032.2	970.6	771.8	516.1	435.6	923.3	1164.8	3072.9	2500.0
80°	393.0	397.7	393.0	411.9	492.4	369.3	322.0	449.8	454.5	1704.5	1548.3
82.5°	284.1	288.8	274.6	246.2	217.8	198.9	265.1	331.4	355.1	781.2	577.6
85°	85.2	80.5	94.7	127.8	151.5	175.2	222.5	279.4	293.6	288.8	85.2
87.5°	37.9	37.9	47.3	66.3	90.0	132.6	194.1	255.7	260.4	298.3	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067355

CATALOG NUMBER: NAV-SA4C-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6
2.5°	118.4	113.6	108.9	104.2	99.4	94.7	90.0	90.0	94.7	94.7	94.7
5°	113.6	108.9	99.4	90.0	85.2	80.5	75.8	75.8	80.5	80.5	80.5
7.5°	113.6	104.2	94.7	85.2	75.8	71.0	66.3	66.3	66.3	71.0	71.0
10°	113.6	104.2	90.0	75.8	66.3	61.6	56.8	52.1	56.8	56.8	56.8
12.5°	108.9	99.4	85.2	71.0	56.8	47.3	42.6	42.6	42.6	42.6	42.6
15°	104.2	94.7	80.5	61.6	47.3	37.9	28.4	28.4	28.4	33.1	33.1
17.5°	99.4	90.0	71.0	47.3	33.1	23.7	18.9	18.9	18.9	23.7	23.7
20°	99.4	85.2	61.6	37.9	23.7	14.2	9.5	9.5	9.5	14.2	18.9
22.5°	99.4	85.2	56.8	28.4	14.2	9.5	4.7	4.7	4.7	4.7	4.7
25°	99.4	80.5	52.1	23.7	9.5	4.7	0.0	0.0	4.7	9.5	14.2
27.5°	99.4	75.8	42.6	14.2	9.5	4.7	0.0	4.7	9.5	9.5	9.5
30°	99.4	75.8	37.9	14.2	4.7	0.0	0.0	4.7	9.5	9.5	14.2
32.5°	104.2	71.0	33.1	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	108.9	66.3	28.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	118.4	66.3	18.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	132.6	71.0	18.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	165.7	75.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	232.0	94.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	340.9	142.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	497.2	194.1	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	610.8	194.1	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	606.1	123.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	464.0	85.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	393.0	61.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	473.5	47.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	842.8	42.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1354.2	42.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1515.1	42.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1183.7	37.9	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	648.7	33.1	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	326.7	23.7	9.5	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	137.3	18.9	9.5	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0
82.5°	47.3	18.9	9.5	9.5	4.7	4.7	0.0	0.0	0.0	0.0	0.0
85°	23.7	14.2	14.2	9.5	9.5	4.7	4.7	0.0	0.0	0.0	0.0
87.5°	14.2	14.2	14.2	9.5	9.5	4.7	4.7	0.0	0.0	0.0	4.7
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

REPORT NUMBER: SP1-2407-184-9

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

REPORT NUMBER: SP1-2407-184-9

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			

REPORT NUMBER: SP1-2407-184-9

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			

REPORT NUMBER: SP1-2407-184-9

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			

REPORT NUMBER: SP1-2407-184-9

TM-30-18

Summary

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



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)