

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: P1067119

Luminaire Tested: **NAV-SA5C-830-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067119
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-830-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22915.9 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 236
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

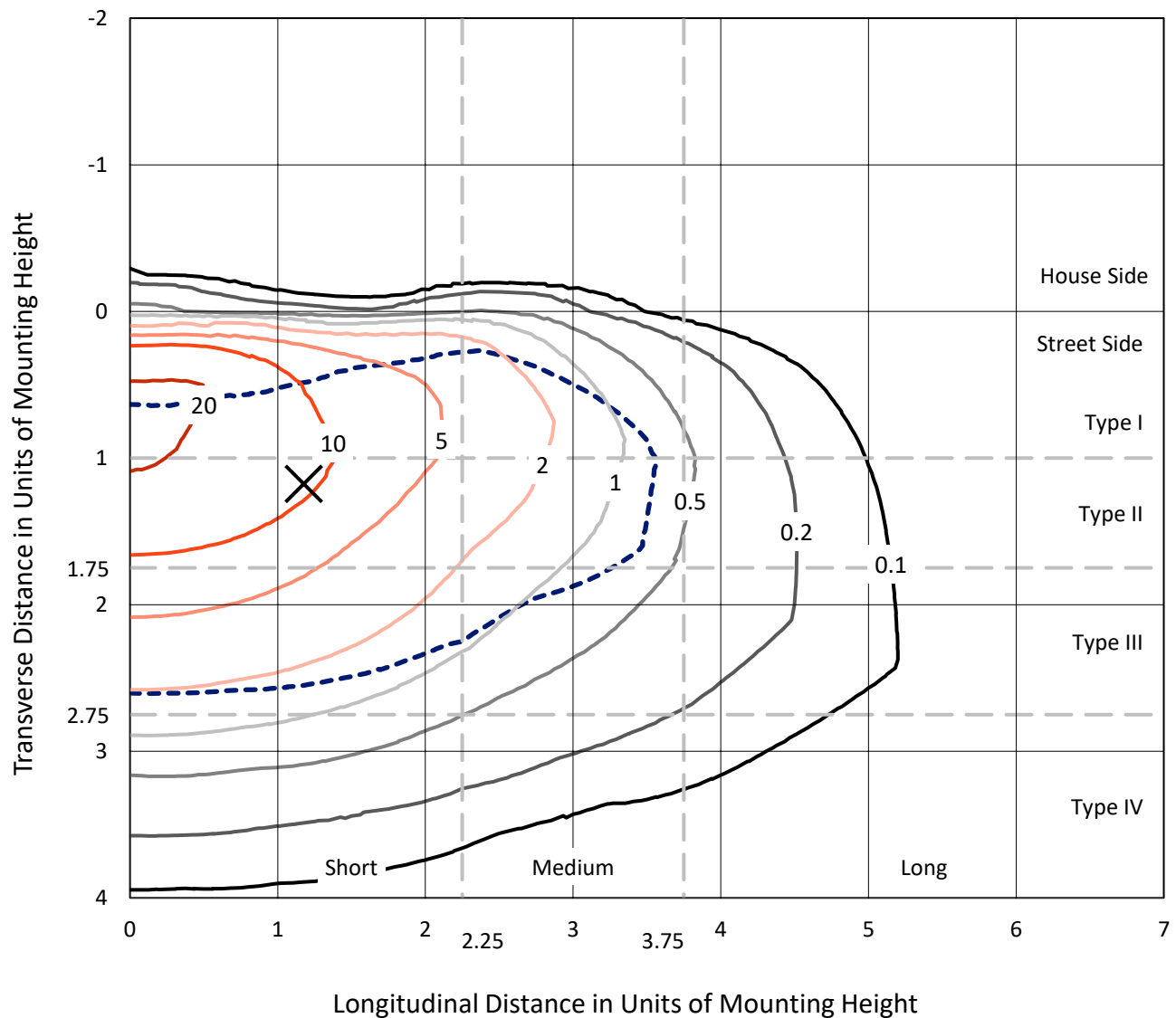


REPORT NUMBER: P1067119

CATALOG NUMBER: NAV-SA5C-830-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

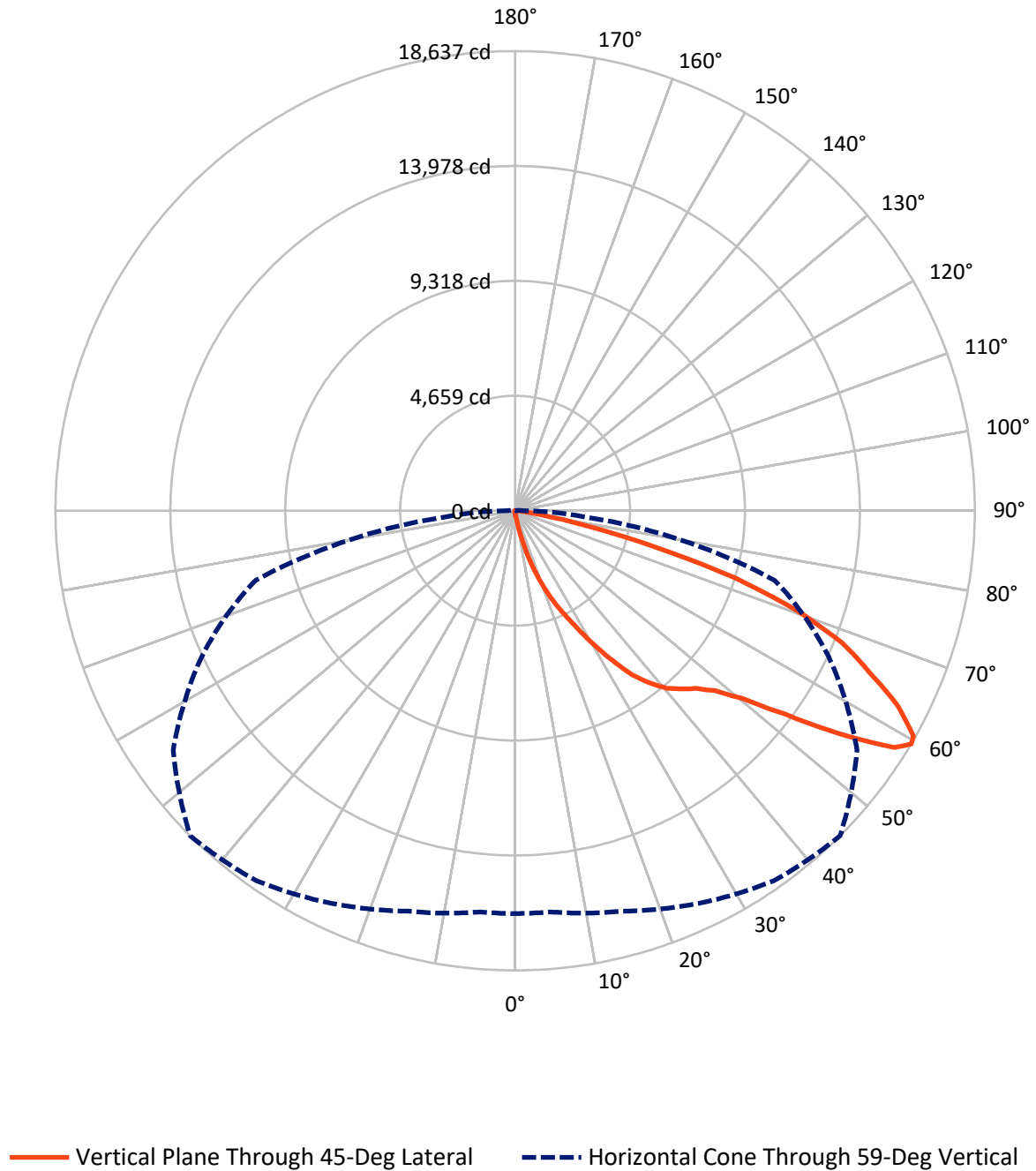


Based on 15 foot mounting height. Maximum calculated value = 25 fc
 Type III - Short - N/A

REPORT NUMBER: P1067119

CATALOG NUMBER: NAV-SA5C-830-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067119

CATALOG NUMBER: NAV-SA5C-830-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	81.4	0.0	81.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22834.6	0.0	22834.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	22915.9	0.0	22915.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.1
10°-20°	253.3	1.1
20°-30°	910.1	4.0
30°-40°	2114.8	9.2
40°-50°	3604.6	15.7
50°-60°	5939.3	25.9
60°-70°	6867.2	30.0
70°-80°	2950.4	12.9
80°-90°	255.0	1.1
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°	22915.9	100.0
0°-180°	22915.9	100.0



REPORT NUMBER: P1067119

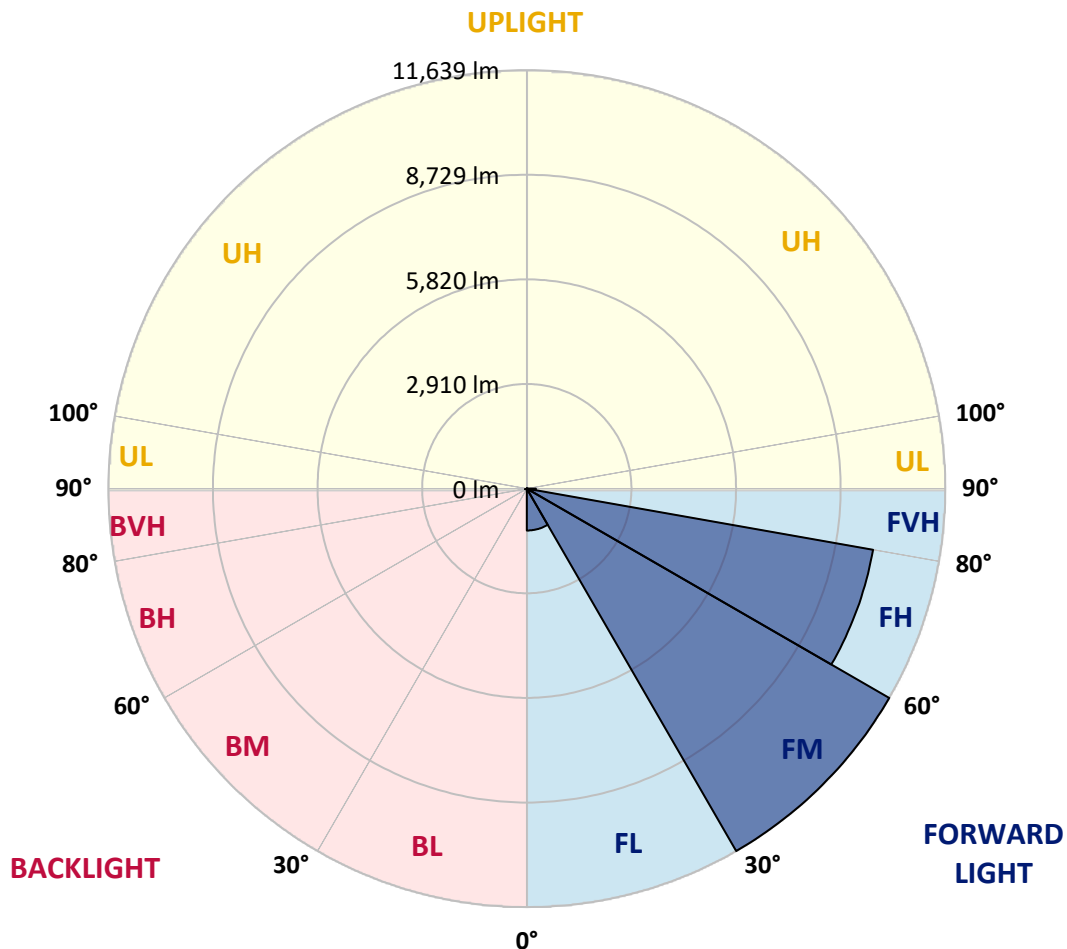
CATALOG NUMBER: NAV-SA5C-830-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1164.6	5.1			
FM	(30°-60°)	11639.0	50.8			
FH	(60°-80°)	9779.3	42.7			G4/12000
FVH	(80°-90°)	251.6	1.1			G3/500
BL	(0°-30°)	20.1	0.1	B0/110		
BM	(30°-60°)	19.7	0.1	B0/220		
BH	(60°-80°)	38.3	0.2	B0/110		G0/110
BVH	(80°-90°)	3.3	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 III Short



REPORT NUMBER: P1067119

CATALOG NUMBER: NAV-SA5C-830-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	188.0	188.0	183.4	177.2	175.7	171.0	171.0	166.4	160.3	155.6	149.5
5°	272.7	271.2	258.9	243.5	223.4	211.1	211.1	194.2	178.7	164.9	152.5
7.5°	596.3	582.5	537.8	463.8	366.7	302.0	297.4	241.9	204.9	177.2	154.1
10°	1368.3	1320.5	1257.4	1080.2	798.2	557.8	547.0	352.9	245.0	191.1	157.2
12.5°	2242.0	2280.5	2154.1	1875.2	1545.5	1149.5	1072.4	594.8	323.6	209.6	160.3
15°	3037.1	3027.8	2956.9	2728.9	2348.3	1821.3	1773.5	1033.9	463.8	238.8	163.3
17.5°	3631.8	3621.1	3553.3	3406.9	3114.1	2587.1	2545.5	1648.7	727.3	280.4	166.4
20°	4259.0	4245.1	4149.6	4032.5	3776.7	3328.3	3279.0	2336.0	1138.7	348.2	166.4
22.5°	5010.9	4984.7	4883.0	4684.3	4414.6	4024.8	3980.1	3038.6	1648.7	459.2	174.1
25°	5920.0	5875.4	5735.1	5556.4	5231.3	4713.5	4665.8	3821.4	2263.5	627.1	181.8
27.5°	6957.0	6964.7	6775.2	6473.2	6037.1	5508.6	5419.3	4522.5	2899.9	867.5	191.1
30°	8188.2	8111.2	7844.6	7493.3	7069.5	6396.2	6309.9	5220.5	3614.9	1221.9	206.5
32.5°	9340.8	9257.6	8898.5	8456.3	8001.8	7291.4	7220.5	6004.8	4265.1	1641.0	234.2
35°	10330.0	10271.5	9769.1	9229.8	8826.1	8191.3	8169.7	6880.0	5029.4	2092.5	265.0
37.5°	11200.6	11094.3	10448.7	9889.3	9479.5	8910.9	8864.6	7681.3	5765.9	2616.4	311.3
40°	11943.3	11884.8	11097.4	10362.4	10029.5	9521.1	9462.5	8383.9	6527.1	3225.0	368.3
42.5°	12738.4	12661.4	11897.1	11072.7	10459.5	9915.5	9877.0	8963.3	7205.1	3893.8	453.0
45°	13636.7	13493.4	12823.2	12083.5	11151.3	10323.9	10280.7	9479.5	7900.1	4611.8	556.3
47.5°	14596.7	14471.9	13929.5	13410.2	12337.8	10997.2	10904.8	9918.6	8590.4	5440.8	687.2
50°	15573.6	15576.7	15169.9	14920.3	13787.7	12091.2	11960.3	10564.2	9316.1	6328.4	881.4
52.5°	16710.8	16740.1	16733.9	16549.0	15670.7	13880.2	13704.5	11544.2	10159.0	7363.8	1149.5
55°	17186.9	17239.3	17579.8	17989.7	17750.9	16148.4	15960.4	13234.6	11276.1	8518.0	1547.0
57.5°	16797.1	16855.6	17325.6	18043.6	18592.2	18134.5	18113.0	15434.9	12747.6	9917.1	2197.3
59°	16333.3	16325.6	16807.9	17569.0	18308.7	18606.1	18636.9	16923.4	14029.7	10898.6	2758.2
60°	16025.1	16031.3	16351.8	17133.0	17918.8	18435.0	18555.2	17800.2	14778.5	11604.3	3238.9
62.5°	14835.5	14906.4	15160.7	15886.4	16632.2	17208.5	17413.4	18581.4	16921.9	13271.5	4910.8
65°	13542.7	13547.4	13909.5	14530.4	15245.4	15650.7	15780.1	17365.6	18353.3	14969.6	7103.4
67.5°	11236.1	11330.0	11741.5	12747.6	13692.2	14205.3	14303.9	15116.0	17760.1	16075.9	8202.1
70°	7863.1	7986.3	8573.4	9878.5	11285.4	12128.2	12122.1	12565.8	15630.6	15582.9	6954.0
72.5°	3926.1	4138.8	4618.0	6015.6	7719.8	9043.4	9322.3	10108.1	12556.6	12943.3	5188.1
75°	1735.0	1747.4	2020.1	2724.3	3836.8	5517.9	5767.5	8023.3	9633.5	8995.6	3747.4
77.5°	1009.3	1018.5	1067.8	1223.5	1554.7	2704.2	2984.7	5262.1	6807.6	5228.2	2443.8
80°	366.7	376.0	374.4	463.8	681.1	1064.7	1186.5	2550.1	4541.0	2753.5	1280.5
82.5°	225.0	225.0	217.3	218.8	248.1	408.3	446.9	1086.3	2211.2	1356.0	366.7
85°	110.9	117.1	124.8	140.2	166.4	201.9	214.2	311.3	744.2	328.2	87.8
87.5°	66.3	67.8	74.0	89.4	110.9	144.8	154.1	211.1	266.6	220.3	21.6
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: P1067119

CATALOG NUMBER: NAV-SA5C-830-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	146.4	144.8	137.1	131.0	124.8	118.6	114.0	109.4	109.4	110.9	109.4
5°	146.4	140.2	127.9	117.1	107.9	100.2	92.5	86.3	84.7	84.7	86.3
7.5°	144.8	137.1	120.2	106.3	94.0	83.2	75.5	67.8	66.3	67.8	66.3
10°	143.3	134.1	114.0	97.1	80.1	69.3	58.6	50.8	50.8	50.8	52.4
12.5°	143.3	129.4	107.9	87.8	69.3	57.0	46.2	38.5	37.0	37.0	37.0
15°	141.8	126.4	101.7	77.0	58.6	43.1	33.9	26.2	26.2	26.2	26.2
17.5°	138.7	121.7	94.0	67.8	46.2	32.4	23.1	15.4	15.4	18.5	18.5
20°	135.6	117.1	84.7	55.5	38.5	24.7	15.4	9.2	9.2	13.9	15.4
22.5°	137.1	117.1	78.6	49.3	30.8	18.5	12.3	7.7	6.2	10.8	13.9
25°	138.7	114.0	70.9	43.1	23.1	13.9	9.2	3.1	1.5	3.1	4.6
27.5°	138.7	110.9	61.6	33.9	16.9	10.8	4.6	0.0	0.0	0.0	0.0
30°	137.1	106.3	53.9	27.7	12.3	6.2	1.5	0.0	0.0	0.0	0.0
32.5°	135.6	101.7	49.3	21.6	10.8	3.1	0.0	0.0	0.0	0.0	0.0
35°	137.1	95.5	43.1	16.9	6.2	0.0	0.0	0.0	0.0	0.0	3.1
37.5°	141.8	89.4	37.0	13.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	147.9	84.7	30.8	10.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	160.3	84.7	27.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	175.7	84.7	23.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	195.7	86.3	20.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	220.3	89.4	18.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	238.8	86.3	16.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	271.2	83.2	15.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	314.3	78.6	15.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	357.5	72.4	15.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	406.8	69.3	13.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	671.8	61.6	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1297.4	58.6	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2097.1	58.6	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2205.0	58.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1466.9	47.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	785.8	43.1	4.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	423.7	40.1	6.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	186.4	29.3	7.7	4.6	3.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	74.0	20.0	9.2	7.7	6.2	3.1	0.0	0.0	0.0	0.0	0.0
85°	35.4	15.4	12.3	10.8	7.7	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	15.4	13.9	12.3	10.8	7.7	1.5	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

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/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

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

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



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)