

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P639463

Luminaire Tested: GWS-SA5B-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-830-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8250 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

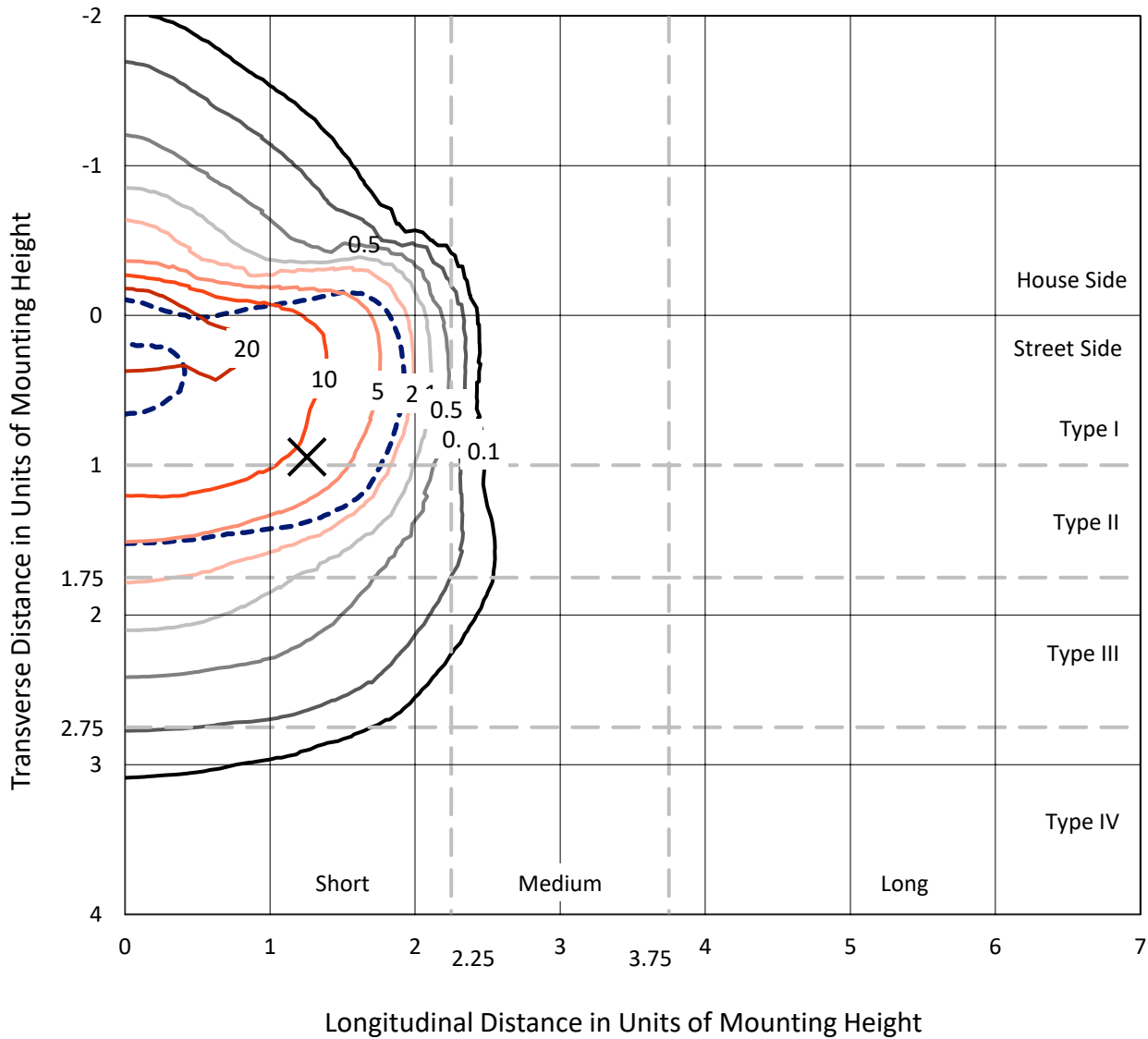
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

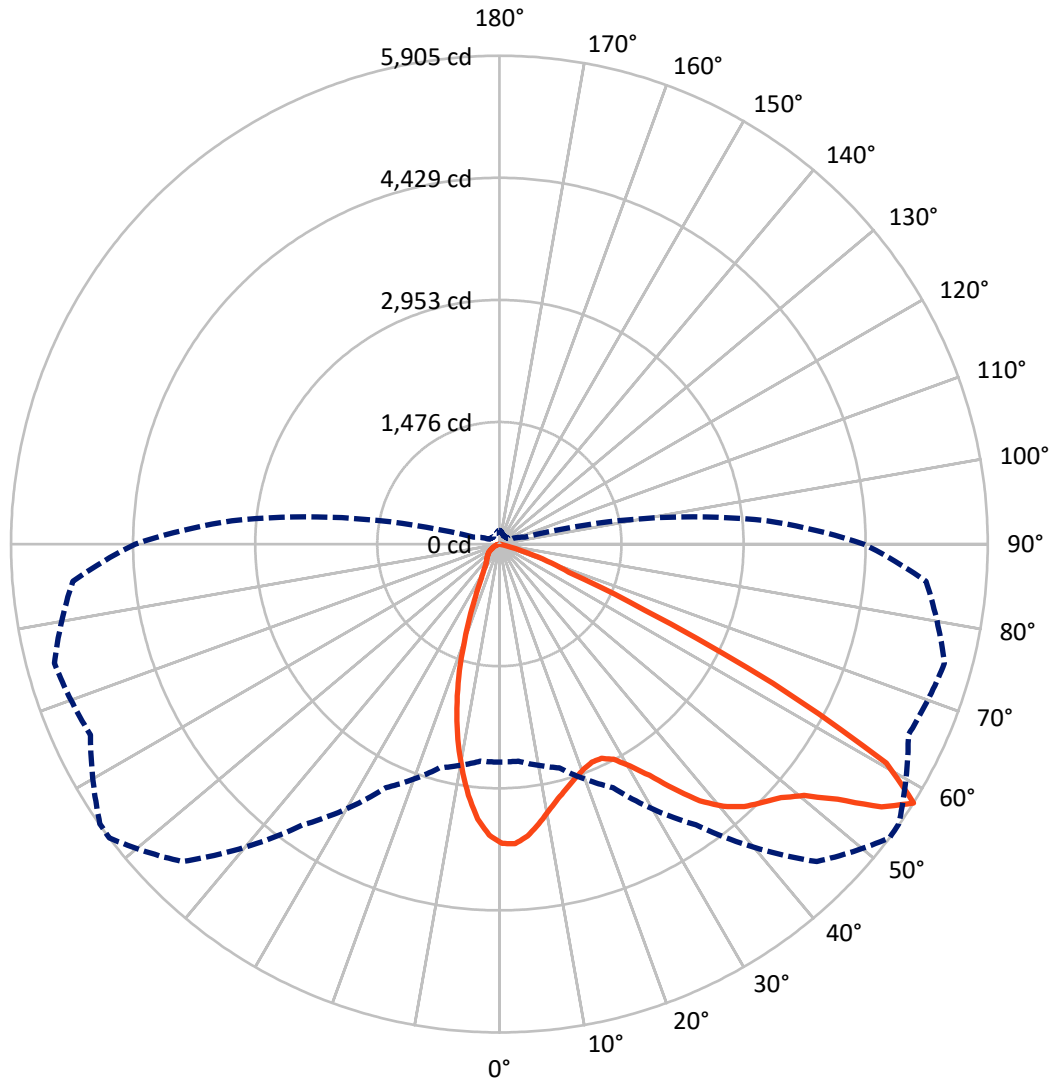
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 36.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1362.8	0.0	1362.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	6887.2	0.0	6887.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	8250.0	0.0	8250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.6	3.8
10°-20°	679.7	8.2
20°-30°	885.5	10.7
30°-40°	1284.5	15.6
40°-50°	1853.4	22.5
50°-60°	2241.5	27.2
60°-70°	913.6	11.1
70°-80°	82.1	1.0
80°-90°	0.0	0.0
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°	8250.0	100.0
0°-180°	8250.0	100.0

Coefficient of Utilization



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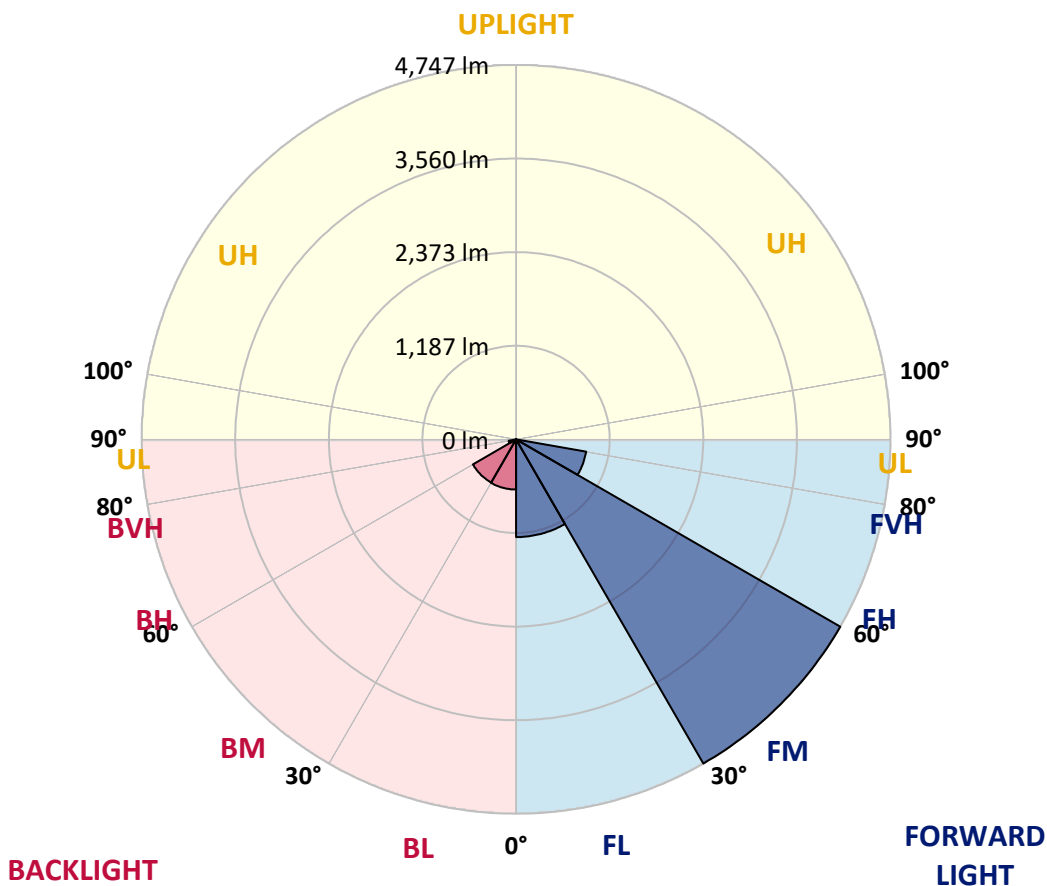
CATALOG NUMBER: GWS-SA5B-830-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1238.9	15.0			
FM (30°-60°)	4746.9	57.5			
FH (60°-80°)	901.4	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	636.0	7.7	B2/1000		
BM (30°-60°)	632.5	7.7	B1/1000		
BH (60°-80°)	94.2	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9
2.5°	3568.4	3576.5	3590.6	3608.8	3620.9	3627.0	3627.0	3644.2	3633.1	3624.0	3613.9
5°	3415.7	3423.8	3443.0	3472.3	3501.6	3522.9	3547.1	3565.3	3572.4	3572.4	3555.2
7.5°	3200.3	3211.4	3223.6	3264.0	3327.7	3375.2	3416.7	3443.0	3481.4	3493.5	3469.3
10°	2968.7	2979.9	3007.2	3062.8	3135.6	3206.4	3277.2	3310.5	3376.2	3410.6	3383.3
12.5°	2772.6	2777.6	2814.0	2880.8	2973.8	3070.9	3156.8	3191.2	3284.2	3335.8	3303.4
15°	2610.8	2613.8	2650.2	2724.0	2831.2	2950.5	3058.7	3094.1	3208.4	3286.3	3237.7
17.5°	2488.5	2489.5	2520.8	2600.7	2712.9	2845.4	2973.8	3017.3	3164.9	3258.9	3186.1
20°	2426.8	2423.7	2446.0	2515.8	2621.9	2754.4	2906.1	2959.6	3140.6	3254.9	3146.7
22.5°	2427.8	2420.7	2429.8	2479.3	2569.3	2693.7	2863.6	2924.3	3142.7	3272.1	3113.3
25°	2485.4	2475.3	2477.3	2503.6	2567.3	2680.6	2869.7	2934.4	3183.1	3329.7	3101.2
27.5°	2582.5	2571.4	2571.4	2584.5	2618.9	2722.0	2945.5	3019.3	3291.3	3442.0	3126.5
30°	2707.9	2696.7	2692.7	2705.8	2734.2	2829.2	3114.4	3191.2	3476.3	3626.0	3207.4
32.5°	2851.5	2838.3	2845.4	2863.6	2890.9	3022.3	3331.8	3433.9	3707.9	3873.7	3353.0
35°	3003.1	2992.0	3024.4	3063.8	3106.3	3290.3	3632.1	3721.0	3992.0	4182.1	3575.4
37.5°	3147.7	3142.7	3210.4	3293.3	3381.3	3611.8	3937.4	4006.2	4235.7	4517.8	3847.4
40°	3292.3	3291.3	3407.6	3553.2	3693.7	3932.4	4169.0	4225.6	4384.4	4778.7	4108.3
42.5°	3454.1	3454.1	3614.9	3809.0	3996.1	4203.4	4338.9	4364.1	4451.1	4929.4	4304.5
45°	3608.8	3617.9	3804.0	4029.4	4250.9	4414.7	4456.2	4458.2	4478.4	5018.4	4467.3
47.5°	3731.2	3739.2	3961.7	4221.6	4460.2	4575.5	4581.5	4572.4	4550.2	5103.3	4592.7
50°	3830.3	3842.4	4075.0	4350.0	4603.8	4730.2	4776.7	4767.6	4711.0	5194.3	4680.6
52.5°	3878.8	3896.0	4114.4	4413.7	4763.5	4995.1	5124.5	5145.8	4951.6	5244.9	4764.6
55°	3490.5	3515.8	3717.0	4126.5	4852.5	5404.6	5607.9	5603.8	5212.5	5395.5	4968.8
57.5°	2636.1	2634.1	2800.9	3248.8	4144.7	5427.9	5905.1	5897.1	5456.2	5570.4	5178.1
60°	1794.8	1782.7	1827.2	2043.5	2898.0	4421.8	5374.3	5483.5	5283.3	5145.8	4396.5
62.5°	1477.3	1466.2	1452.0	1392.4	1664.4	2754.4	3713.0	3878.8	3852.5	3576.5	2757.4
65°	1209.3	1218.4	1257.9	1232.6	1157.8	1412.6	1927.3	2025.3	1851.4	1558.2	963.6
67.5°	891.8	895.9	947.5	1080.9	1040.5	940.4	907.0	923.2	541.0	248.7	160.8
70°	526.8	529.8	577.4	756.3	844.3	722.0	612.8	603.7	214.4	66.7	72.8
72.5°	298.3	292.2	301.3	360.0	460.1	383.2	315.5	287.2	64.7	37.4	37.4
75°	141.6	137.5	118.3	111.2	101.1	64.7	40.4	34.4	16.2	15.2	15.2
77.5°	1.0	3.0	2.0	3.0	3.0	2.0	1.0	1.0	3.0	3.0	4.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9	3618.9
2.5°	3595.7	3565.3	3558.3	3556.2	3527.9	3497.6	3466.2	3454.1	3435.9	3424.8	3433.9
5°	3527.9	3484.4	3446.0	3410.6	3347.9	3279.2	3219.5	3181.1	3144.7	3120.4	3126.5
7.5°	3431.9	3375.2	3287.3	3197.3	3082.0	2978.9	2863.6	2792.8	2727.1	2690.7	2707.9
10°	3329.7	3254.9	3114.4	2961.7	2780.7	2618.9	2454.1	2319.6	2241.7	2167.9	2176.0
12.5°	3229.6	3130.5	2920.2	2688.7	2460.1	2221.5	1972.8	1786.7	1659.3	1567.3	1553.1
15°	3136.6	3009.2	2731.1	2425.8	2114.3	1796.8	1479.3	1213.4	1065.8	974.8	968.7
17.5°	3053.7	2895.9	2535.0	2150.7	1760.4	1353.9	988.9	789.7	704.8	665.3	661.3
20°	2973.8	2781.7	2334.8	1871.6	1374.2	950.5	682.5	590.5	563.2	547.0	549.1
22.5°	2897.0	2657.3	2124.4	1562.2	1030.4	667.4	528.8	493.4	490.4	492.4	493.4
25°	2832.2	2543.1	1908.0	1263.9	735.1	508.6	441.9	431.8	440.9	454.0	456.0
27.5°	2798.9	2450.0	1696.7	963.6	531.9	413.6	383.2	387.3	403.5	417.6	419.6
30°	2808.0	2380.3	1478.3	698.7	409.5	348.8	338.7	346.8	363.0	376.1	378.2
32.5°	2872.7	2344.9	1254.8	508.6	336.7	304.4	300.3	306.4	320.5	330.6	331.7
35°	3001.1	2353.0	1042.5	389.3	289.2	271.0	270.0	274.0	281.1	288.2	289.2
37.5°	3190.2	2418.7	833.2	323.6	261.9	248.7	244.7	244.7	249.8	252.8	254.8
40°	3393.4	2517.8	667.4	286.2	242.7	228.5	220.4	217.4	221.4	225.5	226.5
42.5°	3561.3	2616.9	542.0	259.9	227.5	208.3	198.2	196.2	201.2	208.3	210.3
45°	3689.7	2693.7	452.0	238.6	210.3	189.1	178.0	178.0	187.1	199.2	201.2
47.5°	3807.0	2755.4	385.2	219.4	194.1	171.9	160.8	162.8	178.0	194.1	197.2
50°	3886.9	2804.9	335.7	202.2	181.0	157.7	147.6	151.7	169.9	189.1	192.1
52.5°	3972.8	2865.6	303.3	187.1	168.9	146.6	137.5	140.6	160.8	182.0	186.1
55°	4210.4	3068.9	302.3	166.8	147.6	131.5	127.4	128.4	148.6	172.9	178.0
57.5°	4404.6	3247.8	322.6	140.6	123.4	115.3	113.2	114.3	132.5	159.8	165.8
60°	3644.2	2523.8	266.9	116.3	103.1	101.1	98.1	100.1	117.3	141.6	146.6
62.5°	2156.8	1442.9	127.4	89.0	88.0	85.9	82.9	87.0	103.1	124.4	127.4
65°	737.1	427.7	80.9	72.8	74.8	71.8	68.8	72.8	87.0	99.1	100.1
67.5°	141.6	113.2	64.7	60.7	61.7	55.6	54.6	58.6	66.7	68.8	67.7
70°	73.8	65.7	49.5	49.5	47.5	39.4	39.4	43.5	43.5	40.4	39.4
72.5°	38.4	36.4	32.4	36.4	30.3	24.3	24.3	26.3	24.3	20.2	20.2
75°	15.2	15.2	14.2	18.2	13.1	11.1	10.1	12.1	9.1	7.1	7.1
77.5°	4.0	4.0	4.0	5.1	3.0	3.0	2.0	2.0	1.0	0.0	0.0
80°	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

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

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

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2408-195-9
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/07/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: MCGRAW EDISON
 Catalog Number: **GALN-SB1A-830-U-5WQ**
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K): 3050
 CIE u': 0.2476
 CIE v': 0.5251
 Duv: 0.0034
 CIE x: 0.4383
 CIE y: 0.4131
 CIE z: 0.1487
 Peak Wavelength (nm): 603
 Dominant Wavelength (nm): 581
 Purity: 55.55201
 Rf: 81.5
 Rg: 99.2

CRI (Ra):	81.0		
R1:	79.6	R9:	7.1
R2:	85.6	R10:	67.0
R3:	92.0	R11:	82.7
R4:	82.6	R12:	63.2
R5:	78.9	R13:	80.3
R6:	81.7	R14:	95.0
R7:	85.2	R15:	71.7
R8:	62.0		



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 24.2

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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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.27

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.32

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 81.0$
 $R_9 = 7.1$



Color Vector Graphics



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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	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 = 94
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 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	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)