

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: P635008

Luminaire Tested: GWS-SA3C-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635008
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-SA3C-830-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6481.4 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

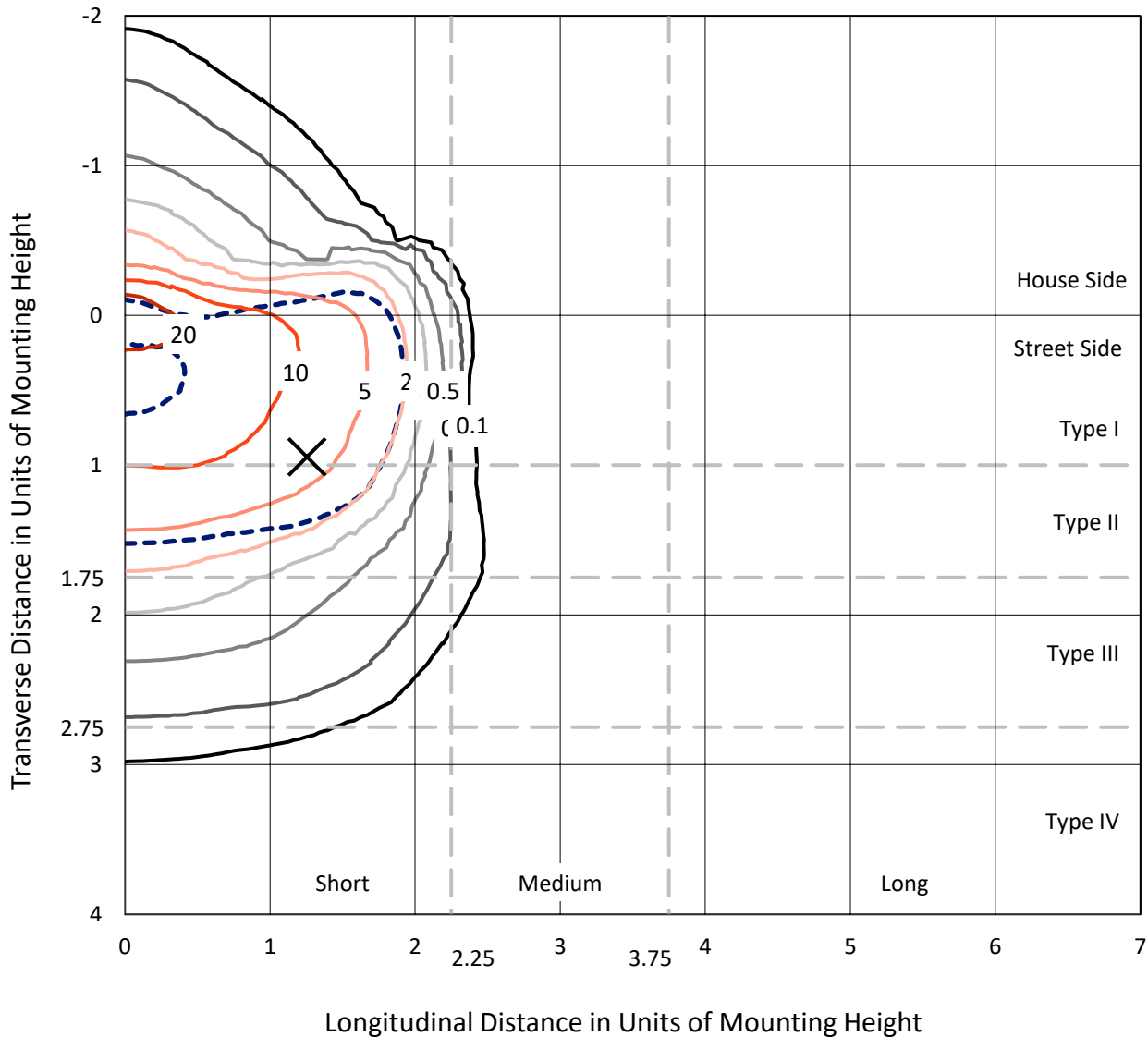
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

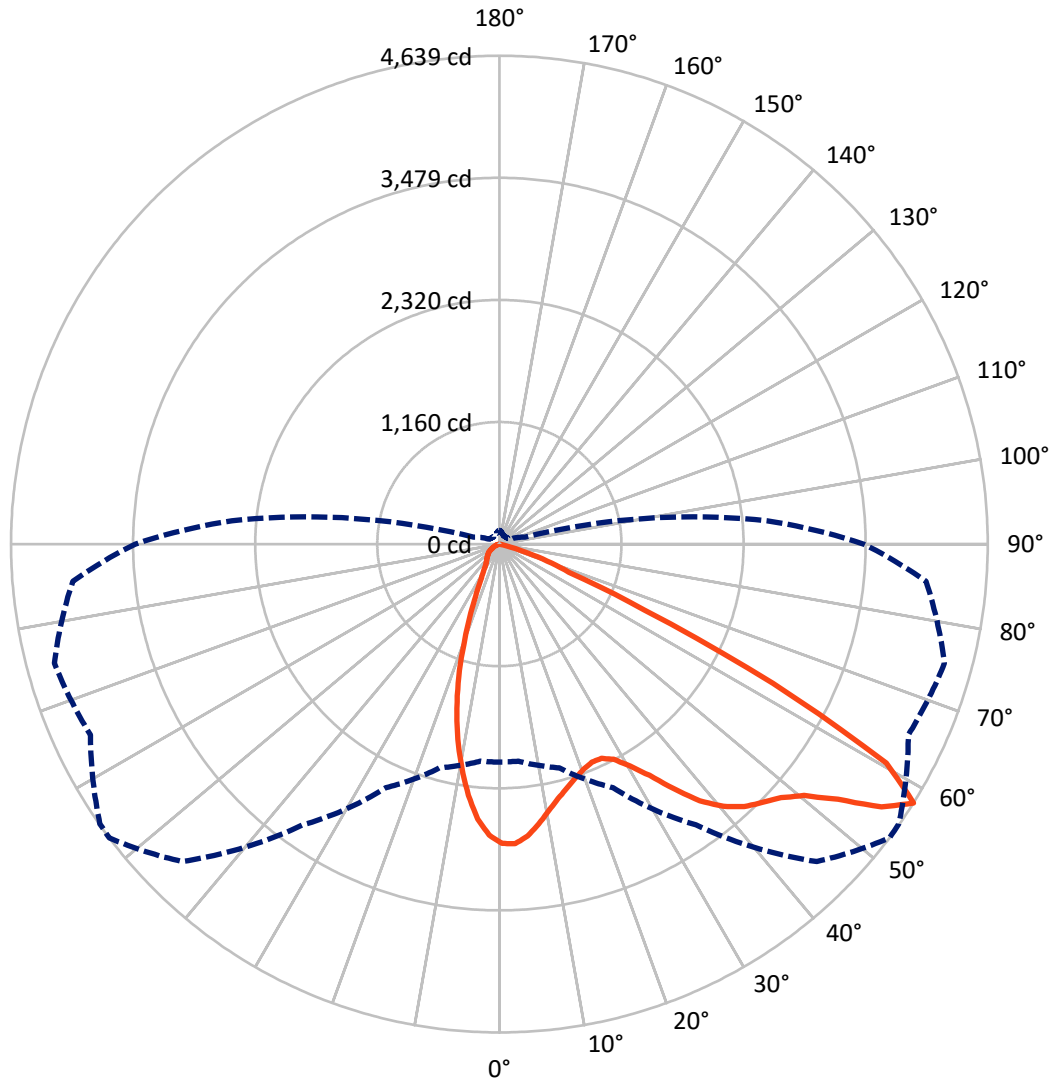
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.4 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	1070.6	0.0	1070.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5410.8	0.0	5410.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	6481.4	0.0	6481.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	3.8
10°-20°	534.0	8.2
20°-30°	695.7	10.7
30°-40°	1009.1	15.6
40°-50°	1456.1	22.5
50°-60°	1761.0	27.2
60°-70°	717.7	11.1
70°-80°	64.5	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°	6481.4	100.0
0°-180°	6481.4	100.0

Coefficient of Utilization



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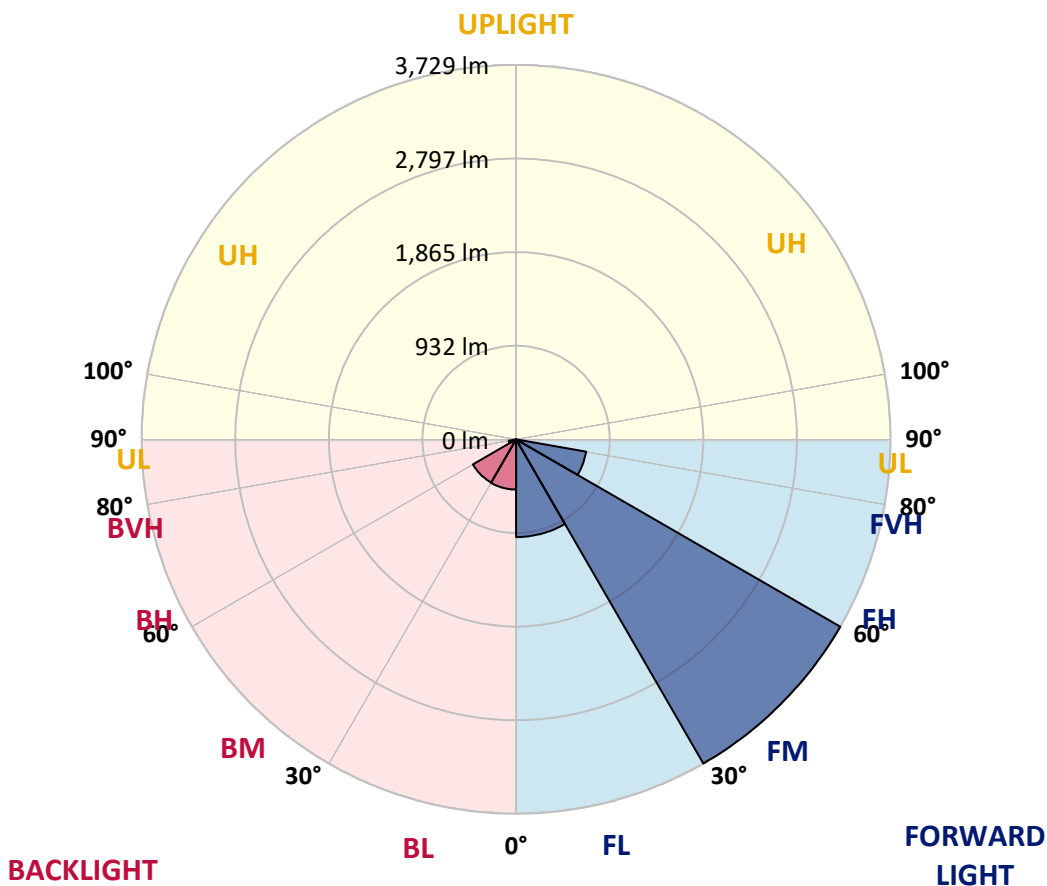
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	973.3	15.0			
FM (30°-60°)	3729.3	57.5			
FH (60°-80°)	708.2	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	499.7	7.7	B1/500		
BM (30°-60°)	496.9	7.7	B1/1000		
BH (60°-80°)	74.0	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: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1
2.5°	2803.4	2809.7	2820.9	2835.2	2844.7	2849.5	2849.5	2863.0	2854.2	2847.1	2839.1
5°	2683.4	2689.8	2704.9	2727.9	2751.0	2767.6	2786.7	2801.0	2806.6	2806.6	2793.1
7.5°	2514.2	2523.0	2532.5	2564.3	2614.3	2651.7	2684.2	2704.9	2735.1	2744.6	2725.5
10°	2332.3	2341.1	2362.5	2406.2	2463.4	2519.0	2574.6	2600.8	2652.5	2679.5	2658.0
12.5°	2178.2	2182.2	2210.8	2263.2	2336.3	2412.6	2480.1	2507.1	2580.2	2620.7	2595.3
15°	2051.1	2053.5	2082.1	2140.1	2224.3	2318.0	2403.0	2430.8	2520.6	2581.8	2543.6
17.5°	1955.0	1955.8	1980.4	2043.2	2131.3	2235.4	2336.3	2370.5	2486.4	2560.3	2503.1
20°	1906.5	1904.1	1921.6	1976.4	2059.8	2163.9	2283.1	2325.2	2467.4	2557.1	2472.1
22.5°	1907.3	1901.8	1908.9	1947.8	2018.5	2116.2	2249.7	2297.4	2469.0	2570.6	2445.9
25°	1952.6	1944.7	1946.2	1966.9	2016.9	2105.9	2254.5	2305.3	2500.7	2615.9	2436.4
27.5°	2028.9	2020.1	2020.1	2030.5	2057.5	2138.5	2314.0	2372.0	2585.7	2704.1	2456.2
30°	2127.4	2118.6	2115.5	2125.8	2148.0	2222.7	2446.7	2507.1	2731.1	2848.7	2519.8
32.5°	2240.2	2229.8	2235.4	2249.7	2271.2	2374.4	2617.5	2697.7	2913.0	3043.3	2634.2
35°	2359.3	2350.6	2376.0	2407.0	2440.4	2584.9	2853.4	2923.3	3136.2	3285.6	2809.0
37.5°	2472.9	2469.0	2522.2	2587.3	2656.4	2837.6	3093.3	3147.4	3327.7	3549.3	3022.6
40°	2586.5	2585.7	2677.1	2791.5	2901.9	3089.4	3275.3	3319.7	3444.5	3754.3	3227.6
42.5°	2713.6	2713.6	2839.9	2992.5	3139.4	3302.3	3408.7	3428.6	3496.9	3872.6	3381.7
45°	2835.2	2842.3	2988.5	3165.6	3339.6	3468.3	3500.9	3502.5	3518.3	3942.5	3509.6
47.5°	2931.3	2937.6	3112.4	3316.6	3504.0	3594.6	3599.4	3592.2	3574.7	4009.3	3608.1
50°	3009.1	3018.7	3201.4	3417.5	3616.8	3716.1	3752.7	3745.5	3701.0	4080.8	3677.2
52.5°	3047.3	3060.8	3232.4	3467.5	3742.4	3924.3	4026.0	4042.6	3890.1	4120.5	3743.2
55°	2742.2	2762.1	2920.2	3241.9	3812.3	4246.0	4405.7	4402.5	4095.1	4238.8	3903.6
57.5°	2071.0	2069.4	2200.5	2552.4	3256.2	4264.3	4639.2	4632.9	4286.5	4376.3	4068.1
60°	1410.0	1400.5	1435.5	1605.5	2276.7	3473.9	4222.2	4308.0	4150.7	4042.6	3454.0
62.5°	1160.6	1151.9	1140.7	1093.9	1307.6	2163.9	2917.0	3047.3	3026.6	2809.7	2166.3
65°	950.1	957.2	988.2	968.4	909.6	1109.8	1514.1	1591.2	1454.5	1224.2	757.1
67.5°	700.6	703.8	744.3	849.2	817.4	738.8	712.6	725.3	425.0	195.4	126.3
70°	413.9	416.3	453.6	594.2	663.3	567.2	481.4	474.2	168.4	52.4	57.2
72.5°	234.3	229.6	236.7	282.8	361.4	301.1	247.8	225.6	50.8	29.4	29.4
75°	111.2	108.0	92.9	87.4	79.4	50.8	31.8	27.0	12.7	11.9	11.9
77.5°	0.8	2.4	1.6	2.4	2.4	1.6	0.8	0.8	2.4	2.4	3.2
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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CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1	2843.1
2.5°	2824.8	2801.0	2795.4	2793.9	2771.6	2747.8	2723.2	2713.6	2699.3	2690.6	2697.7
5°	2771.6	2737.5	2707.3	2679.5	2630.2	2576.2	2529.3	2499.1	2470.5	2451.5	2456.2
7.5°	2696.1	2651.7	2582.6	2511.9	2421.3	2340.3	2249.7	2194.1	2142.5	2113.9	2127.4
10°	2615.9	2557.1	2446.7	2326.8	2184.6	2057.5	1928.0	1822.3	1761.2	1703.2	1709.5
12.5°	2537.3	2459.4	2294.2	2112.3	1932.7	1745.3	1549.8	1403.7	1303.6	1231.3	1220.2
15°	2464.2	2364.1	2145.6	1905.7	1661.1	1411.6	1162.2	953.3	837.3	765.8	761.0
17.5°	2399.0	2275.1	1991.5	1689.7	1383.0	1063.7	776.9	620.4	553.7	522.7	519.5
20°	2336.3	2185.4	1834.2	1470.4	1079.6	746.7	536.2	463.9	442.5	429.8	431.4
22.5°	2275.9	2087.6	1669.0	1227.3	809.5	524.3	415.5	387.7	385.3	386.9	387.7
25°	2225.1	1997.9	1499.0	993.0	577.5	399.6	347.1	339.2	346.4	356.7	358.3
27.5°	2198.9	1924.8	1333.0	757.1	417.8	324.9	301.1	304.3	317.0	328.1	329.7
30°	2206.0	1870.0	1161.4	548.9	321.7	274.1	266.1	272.5	285.2	295.5	297.1
32.5°	2256.9	1842.2	985.8	399.6	264.5	239.1	235.9	240.7	251.8	259.8	260.6
35°	2357.7	1848.5	819.0	305.8	227.2	212.9	212.1	215.3	220.8	226.4	227.2
37.5°	2506.3	1900.2	654.6	254.2	205.7	195.4	192.2	192.2	196.2	198.6	200.2
40°	2666.0	1978.0	524.3	224.8	190.7	179.5	173.2	170.8	174.0	177.1	177.9
42.5°	2797.8	2055.9	425.8	204.2	178.7	163.6	155.7	154.1	158.1	163.6	165.2
45°	2898.7	2116.2	355.1	187.5	165.2	148.6	139.8	139.8	147.0	156.5	158.1
47.5°	2990.9	2164.7	302.7	172.4	152.5	135.0	126.3	127.9	139.8	152.5	154.9
50°	3053.6	2203.6	263.7	158.9	142.2	123.9	116.0	119.2	133.5	148.6	150.9
52.5°	3121.1	2251.3	238.3	147.0	132.7	115.2	108.0	110.4	126.3	143.0	146.2
55°	3307.8	2411.0	237.5	131.1	116.0	103.3	100.1	100.9	116.8	135.8	139.8
57.5°	3460.4	2551.6	253.4	110.4	96.9	90.6	89.0	89.8	104.1	125.5	130.3
60°	2863.0	1982.8	209.7	91.4	81.0	79.4	77.1	78.6	92.1	111.2	115.2
62.5°	1694.4	1133.6	100.1	69.9	69.1	67.5	65.1	68.3	81.0	97.7	100.1
65°	579.1	336.0	63.6	57.2	58.8	56.4	54.0	57.2	68.3	77.8	78.6
67.5°	111.2	89.0	50.8	47.7	48.5	43.7	42.9	46.1	52.4	54.0	53.2
70°	58.0	51.6	38.9	38.9	37.3	31.0	31.0	34.2	34.2	31.8	31.0
72.5°	30.2	28.6	25.4	28.6	23.8	19.1	19.1	20.7	19.1	15.9	15.9
75°	11.9	11.9	11.1	14.3	10.3	8.7	7.9	9.5	7.1	5.6	5.6
77.5°	3.2	3.2	3.2	4.0	2.4	2.4	1.6	1.6	0.8	0.0	0.0
80°	0.0	0.8	0.0	0.8	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)