

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: McGRAW-EDISON

Report Number: P319837

Luminaire Tested: **GLEON-SA3B-830-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA3B-830-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13864 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

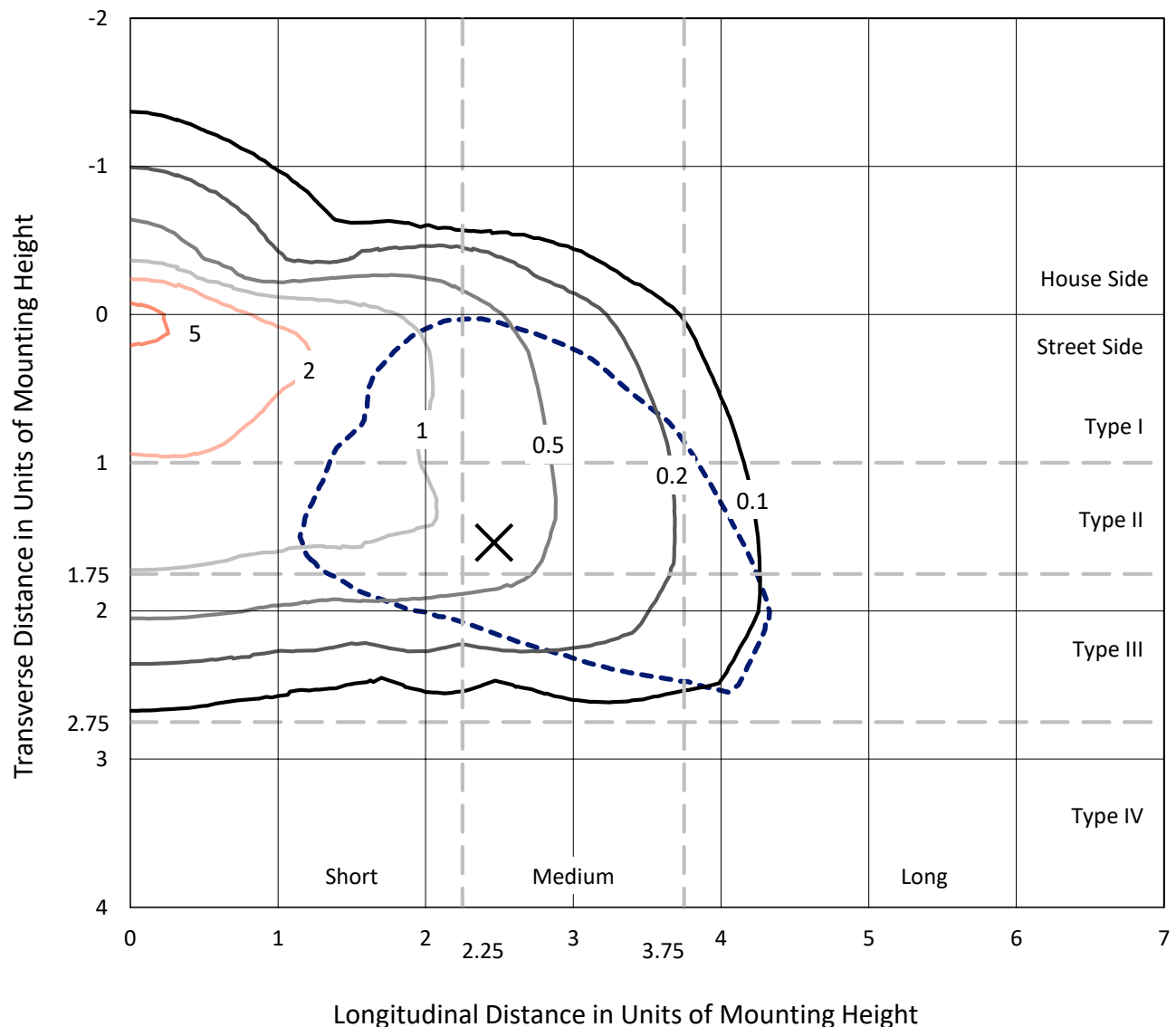
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

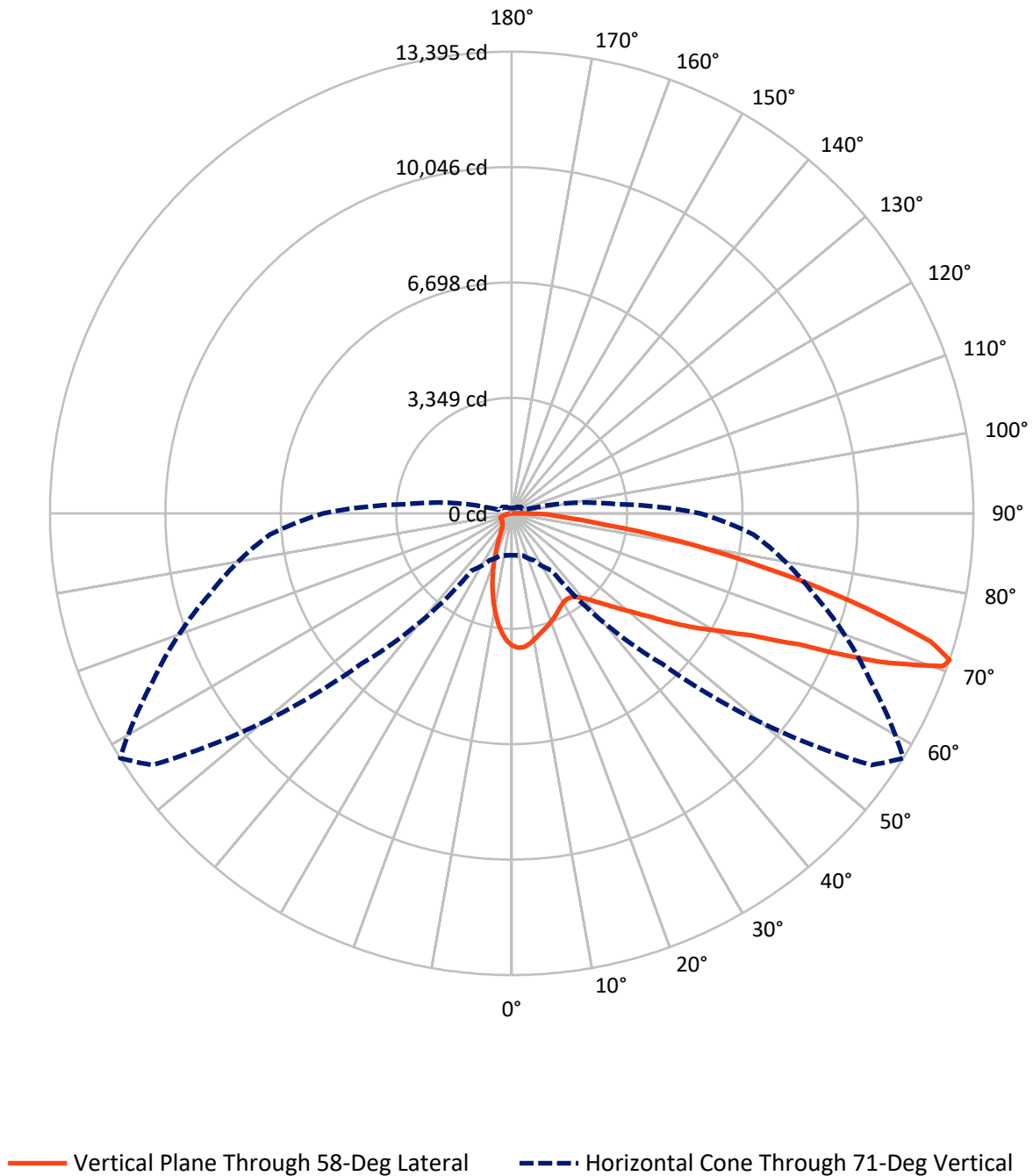
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA3B-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2072.8	0.0	2072.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	11791.2	0.0	11791.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	13864.0	0.0	13864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.4	2.4
10°-20°	736.9	5.3
20°-30°	936.5	6.8
30°-40°	1192.9	8.6
40°-50°	1691.6	12.2
50°-60°	2617.8	18.9
60°-70°	3563.8	25.7
70°-80°	2377.5	17.1
80°-90°	415.7	3.0
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°	13864.0	100.0
0°-180°	13864.0	100.0

Coefficient of Utilization



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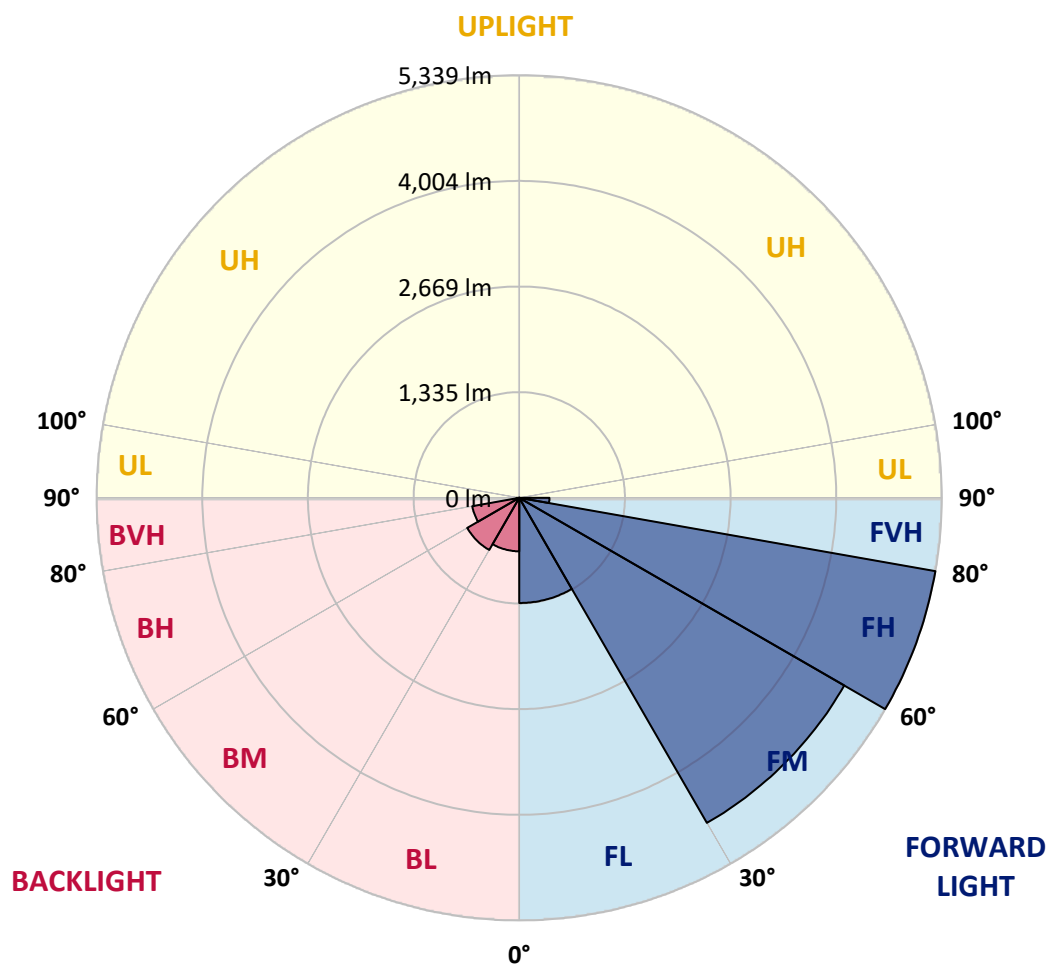
CATALOG NUMBER: GLEON-SA3B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1329.1	9.6			
FM	(30°-60°)	4742.2	34.2			
FH	(60°-80°)	5338.9	38.5			G3/7500
FVH	(80°-90°)	381.1	2.7			G3/500
BL	(0°-30°)	675.7	4.9	B2/1000		
BM	(30°-60°)	760.1	5.5	B1/1000		
BH	(60°-80°)	602.4	4.3	B2/1000		G2/1000
BVH	(80°-90°)	34.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3
2.5°	3943.2	3937.8	3939.8	3935.9	3926.7	3917.6	3904.0	3906.5	3887.6	3859.6	3824.8
5°	3868.8	3866.9	3881.3	3889.5	3896.3	3891.0	3887.1	3892.0	3864.4	3825.8	3765.4
7.5°	3712.8	3691.5	3709.9	3737.4	3763.5	3783.3	3809.4	3812.8	3795.4	3754.8	3675.6
10°	3491.1	3470.8	3497.9	3540.9	3593.0	3640.4	3693.0	3702.7	3706.0	3669.3	3573.2
12.5°	3261.3	3245.8	3272.8	3333.2	3419.7	3492.6	3576.6	3591.1	3621.0	3596.4	3478.6
15°	3055.5	3049.7	3082.6	3142.0	3241.5	3353.0	3474.2	3500.8	3551.5	3543.3	3404.7
17.5°	2877.8	2876.4	2901.5	2963.8	3073.9	3214.9	3372.3	3417.2	3492.6	3502.2	3343.8
20°	2745.5	2742.6	2760.0	2805.8	2919.3	3079.2	3262.2	3324.0	3432.7	3466.5	3281.1
22.5°	2674.5	2674.0	2674.5	2696.2	2788.9	2937.7	3155.0	3230.3	3374.3	3438.0	3211.5
25°	2662.4	2661.0	2650.3	2647.9	2700.6	2819.4	3048.8	3131.8	3318.7	3418.2	3145.3
27.5°	2693.8	2695.7	2681.7	2659.0	2669.7	2741.6	2956.5	3045.4	3274.3	3414.3	3099.5
30°	2759.0	2758.0	2746.0	2722.3	2701.5	2712.6	2890.8	2979.7	3244.3	3431.2	3068.1
32.5°	2831.0	2836.3	2833.9	2820.8	2789.9	2745.5	2871.0	2958.0	3235.7	3471.8	3054.6
35°	2917.4	2923.2	2940.6	2950.7	2914.5	2843.0	2913.5	2988.9	3260.8	3548.1	3076.3
37.5°	2999.5	3014.5	3063.2	3106.2	3075.3	2995.6	3026.5	3080.2	3338.5	3668.4	3134.7
40°	3094.2	3107.2	3186.9	3278.2	3273.3	3190.7	3208.6	3244.3	3475.7	3840.8	3240.5
42.5°	3187.4	3213.4	3328.9	3458.3	3495.5	3422.6	3451.0	3469.9	3668.8	4069.2	3425.0
45°	3311.5	3339.5	3499.8	3655.8	3742.7	3701.7	3747.1	3754.3	3911.8	4380.2	3693.0
47.5°	3499.3	3531.2	3718.1	3881.8	4014.6	4019.0	4093.8	4090.9	4215.0	4736.1	4030.6
50°	3792.0	3837.9	3991.0	4144.1	4305.4	4395.2	4495.1	4481.1	4578.7	5115.2	4419.3
52.5°	4175.4	4196.7	4310.2	4423.2	4623.6	4825.0	4968.4	4955.9	4991.1	5505.0	4860.7
55°	4572.9	4588.8	4635.7	4697.5	4967.0	5295.4	5598.7	5578.9	5489.5	5909.7	5296.8
57.5°	4930.3	4962.6	4995.0	5020.6	5312.8	5787.0	6243.4	6244.8	6030.4	6346.2	5747.4
60°	4985.8	5014.3	5228.2	5430.1	5904.3	6442.8	6933.5	6919.0	6590.1	6820.0	6249.6
62.5°	4407.3	4471.5	4828.9	5365.9	6474.2	7642.4	7813.9	7796.0	7259.5	7403.9	6834.5
65°	3158.4	3231.3	3662.6	4469.6	6198.0	8964.2	9402.7	9162.2	8172.2	8122.0	7519.3
67.5°	1822.1	1839.5	2026.4	2674.5	4719.2	9033.3	11826.6	11490.0	9589.6	8936.7	7854.4
70°	1347.4	1346.9	1391.3	1645.8	2553.8	7372.5	12979.3	13281.2	11081.9	9204.7	7380.7
71°	1218.4	1219.9	1269.6	1498.1	2022.5	6170.9	12734.5	13395.1	11475.0	9072.4	7037.8
72.5°	1042.2	1047.0	1116.1	1343.5	1701.4	4255.6	11679.8	12711.3	11661.4	8745.9	6501.3
75°	790.6	801.7	897.3	1132.5	1555.0	2158.2	8572.1	10150.3	10359.4	7717.3	4830.8
77.5°	564.1	576.6	684.8	952.3	1478.3	1626.5	5740.6	7403.9	7623.6	4945.7	2179.0
80°	356.4	371.4	453.0	757.7	1388.9	1544.4	3607.5	4976.6	4157.1	1582.6	554.4
82.5°	209.1	220.7	281.1	495.0	1134.4	1487.4	2122.5	2758.5	1617.8	478.1	252.1
85°	121.2	126.5	175.3	315.4	823.9	1403.9	1559.4	1542.0	702.2	233.7	119.3
87.5°	56.5	62.8	103.8	164.7	457.3	1017.5	1232.4	1064.9	436.6	109.6	56.0
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: GLEON-SA3B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3	3841.3
2.5°	3807.9	3799.7	3765.4	3735.0	3703.1	3661.6	3615.7	3609.9	3581.9	3587.2	3577.6
5°	3732.6	3711.8	3629.2	3554.4	3466.0	3386.8	3300.9	3261.3	3204.3	3200.4	3185.9
7.5°	3624.9	3586.3	3458.3	3316.3	3174.3	3039.1	2905.3	2817.4	2727.6	2689.5	2686.1
10°	3503.7	3438.0	3249.7	3039.6	2834.8	2637.3	2446.1	2304.6	2177.1	2116.7	2114.3
12.5°	3388.7	3291.7	3033.3	2747.4	2467.3	2211.4	1949.1	1763.2	1603.3	1549.7	1527.0
15°	3291.2	3154.5	2822.7	2457.2	2117.2	1761.7	1463.3	1267.7	1119.9	1068.7	1059.1
17.5°	3196.5	3020.8	2606.9	2164.0	1753.0	1362.4	1063.4	918.1	839.3	818.6	818.1
20°	3102.4	2883.1	2381.3	1864.1	1401.0	1019.0	817.6	752.4	725.8	723.4	719.6
22.5°	2995.6	2737.3	2144.2	1563.3	1093.4	801.2	694.9	668.9	665.5	674.2	674.2
25°	2895.7	2592.4	1903.7	1268.7	850.4	668.4	620.6	615.3	624.4	639.9	641.3
27.5°	2802.5	2452.8	1669.0	1006.9	681.4	588.7	568.9	575.2	591.6	609.5	609.9
30°	2725.7	2321.0	1441.1	793.5	575.7	529.3	525.9	538.5	556.3	570.3	573.7
32.5°	2666.3	2208.5	1220.9	638.0	506.6	484.9	487.8	498.4	509.5	517.2	522.5
35°	2638.7	2111.9	1017.5	538.0	462.7	450.6	454.4	460.2	465.1	470.9	475.2
37.5°	2643.6	2037.0	836.0	475.7	433.2	426.9	426.9	426.9	426.9	429.8	430.3
40°	2688.5	1994.0	688.2	436.1	413.4	406.6	401.3	396.5	392.6	394.6	393.6
42.5°	2803.4	1990.2	580.0	411.0	397.5	386.3	375.7	369.0	364.1	366.1	367.0
45°	2998.5	2038.5	507.1	393.1	382.5	365.6	352.1	344.8	341.4	347.7	348.7
47.5°	3251.1	2143.7	462.7	380.1	368.5	346.3	331.8	325.0	326.0	335.2	337.6
50°	3576.6	2314.7	441.4	371.9	358.8	329.8	314.9	309.1	312.0	325.0	327.9
52.5°	3934.0	2561.0	443.8	369.4	352.5	317.8	301.8	295.1	299.9	312.0	314.4
55°	4346.4	2857.0	483.9	372.8	343.4	310.0	291.2	279.6	283.5	294.6	296.5
57.5°	4804.7	3196.1	564.5	371.9	331.8	302.8	280.1	262.7	265.6	272.4	274.3
60°	5281.8	3605.6	689.6	374.8	326.5	294.1	265.1	243.4	242.4	248.2	249.2
62.5°	5854.6	4079.3	832.6	376.7	329.8	283.0	245.3	224.1	221.2	222.6	223.6
65°	6444.8	4422.2	779.0	369.0	340.5	273.8	227.9	205.2	199.9	199.0	199.5
67.5°	6463.1	4054.7	546.2	353.5	344.8	269.0	214.9	189.3	180.6	177.2	176.8
70°	5796.2	3294.1	425.5	337.1	327.4	261.3	202.8	176.3	163.2	157.9	157.4
71°	5470.7	3032.3	403.2	328.9	314.4	253.5	197.5	170.5	157.0	151.2	150.2
72.5°	4960.2	2718.4	376.2	315.8	289.3	233.7	187.4	162.3	148.3	141.5	140.1
75°	3559.7	1777.7	323.1	281.6	239.5	186.4	164.2	145.8	133.8	125.6	124.6
77.5°	1371.5	707.5	244.4	234.2	183.5	145.8	135.2	126.0	117.4	109.1	108.7
80°	424.0	316.3	178.2	176.3	132.8	108.7	105.3	102.9	99.5	90.8	88.9
82.5°	226.5	181.6	122.7	114.0	86.9	72.4	76.3	77.3	77.8	68.6	67.6
85°	108.2	96.1	69.1	64.7	50.7	40.6	46.8	50.7	51.2	42.0	39.1
87.5°	51.7	50.2	32.4	24.6	18.8	13.5	16.4	20.3	22.2	15.9	14.0
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: SP1-2408-195-9

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



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 ^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	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			

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TM-30-18

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)