

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: P318550

Luminaire Tested: **GLEON-SA6A-830-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6A-830-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22153 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

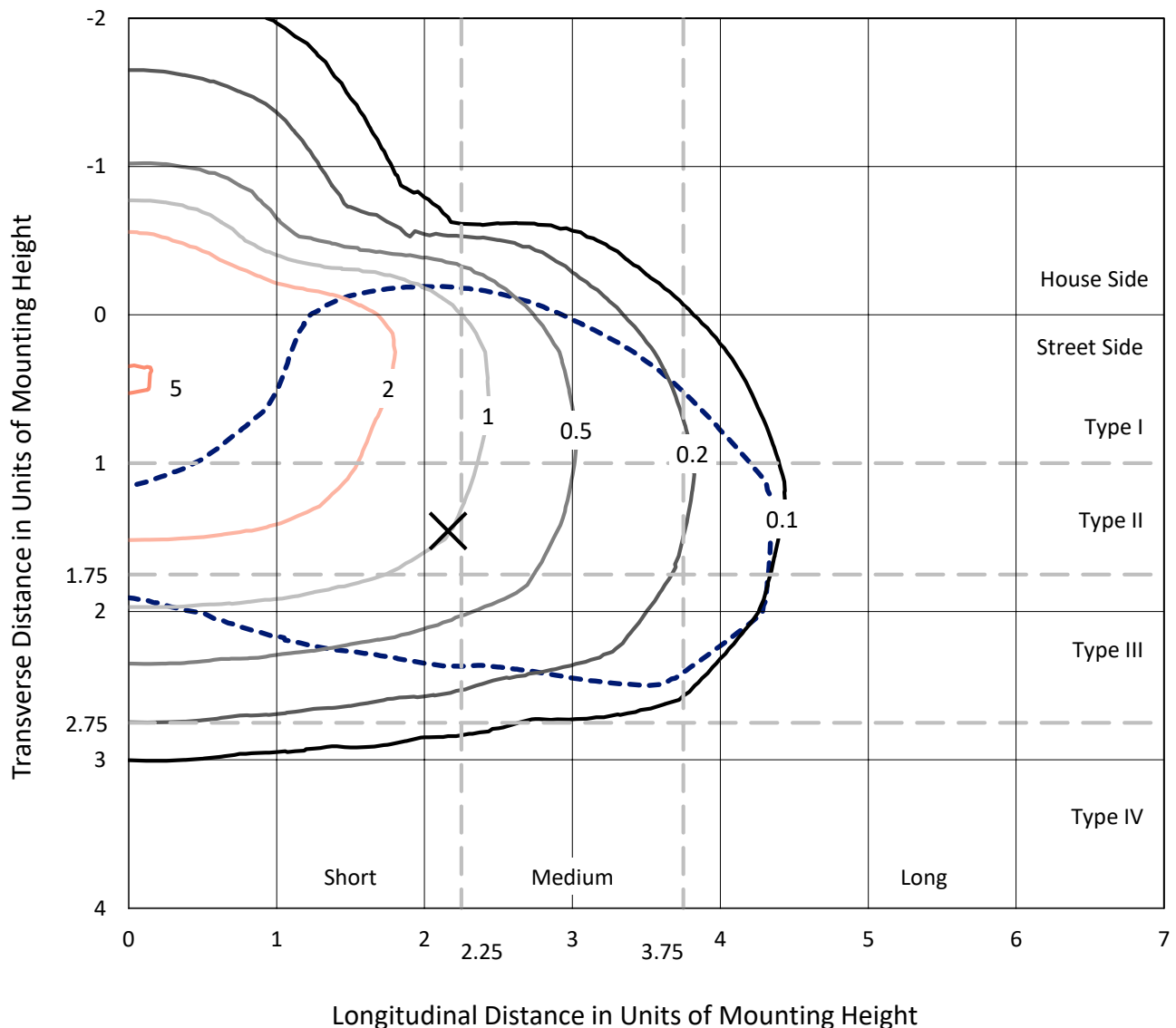
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

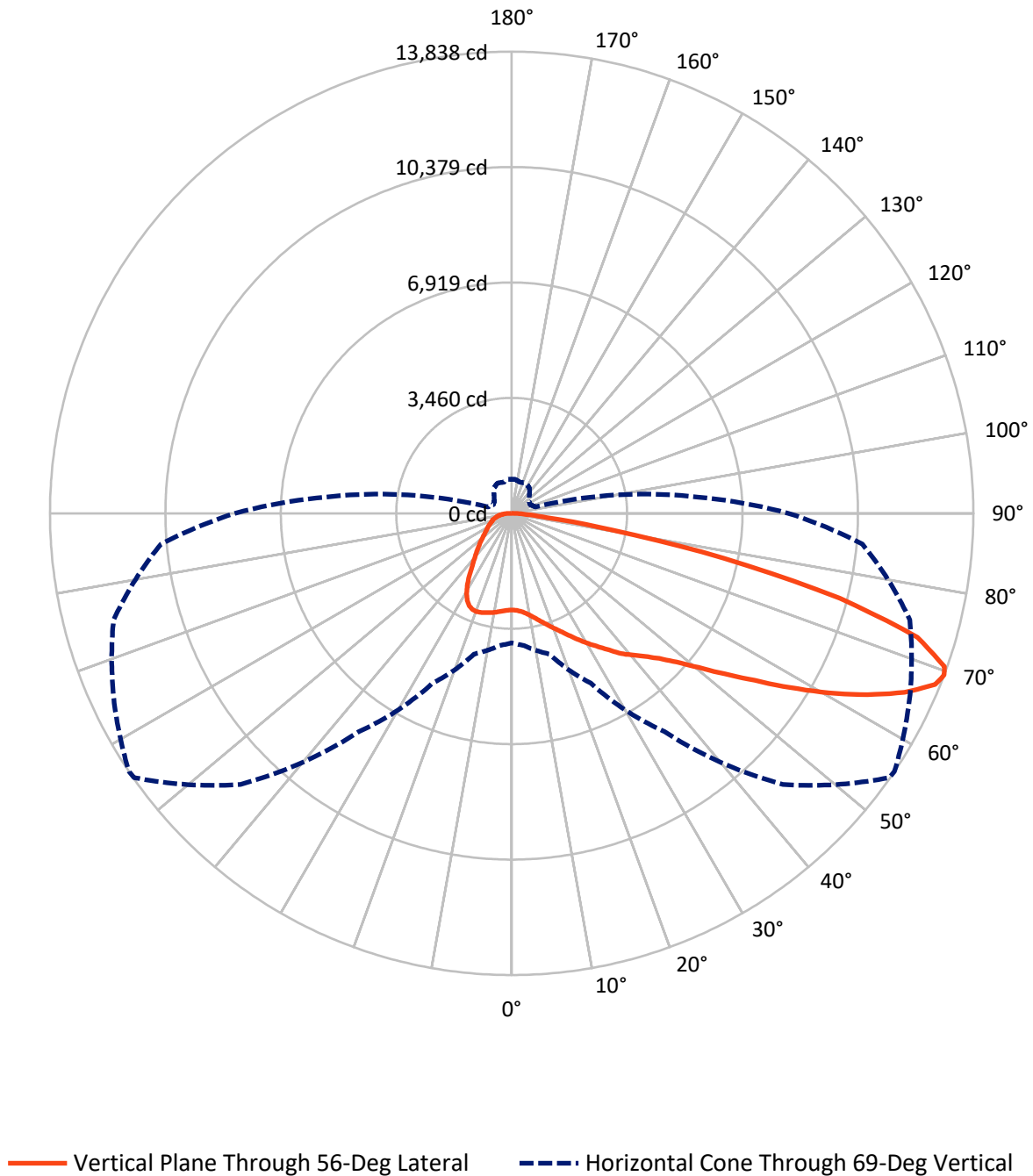
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA6A-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4933.4	0.0	4933.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	17219.6	0.0	17219.6
	% Fixture	77.7	0.0	77.7
Total	Lumens	22153.0	0.0	22153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	1.3
10°-20°	914.7	4.1
20°-30°	1596.7	7.2
30°-40°	2293.6	10.4
40°-50°	3174.2	14.3
50°-60°	4650.6	21.0
60°-70°	5670.0	25.6
70°-80°	3134.7	14.2
80°-90°	434.2	2.0
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°	22153.0	100.0
0°-180°	22153.0	100.0

Coefficient of Utilization



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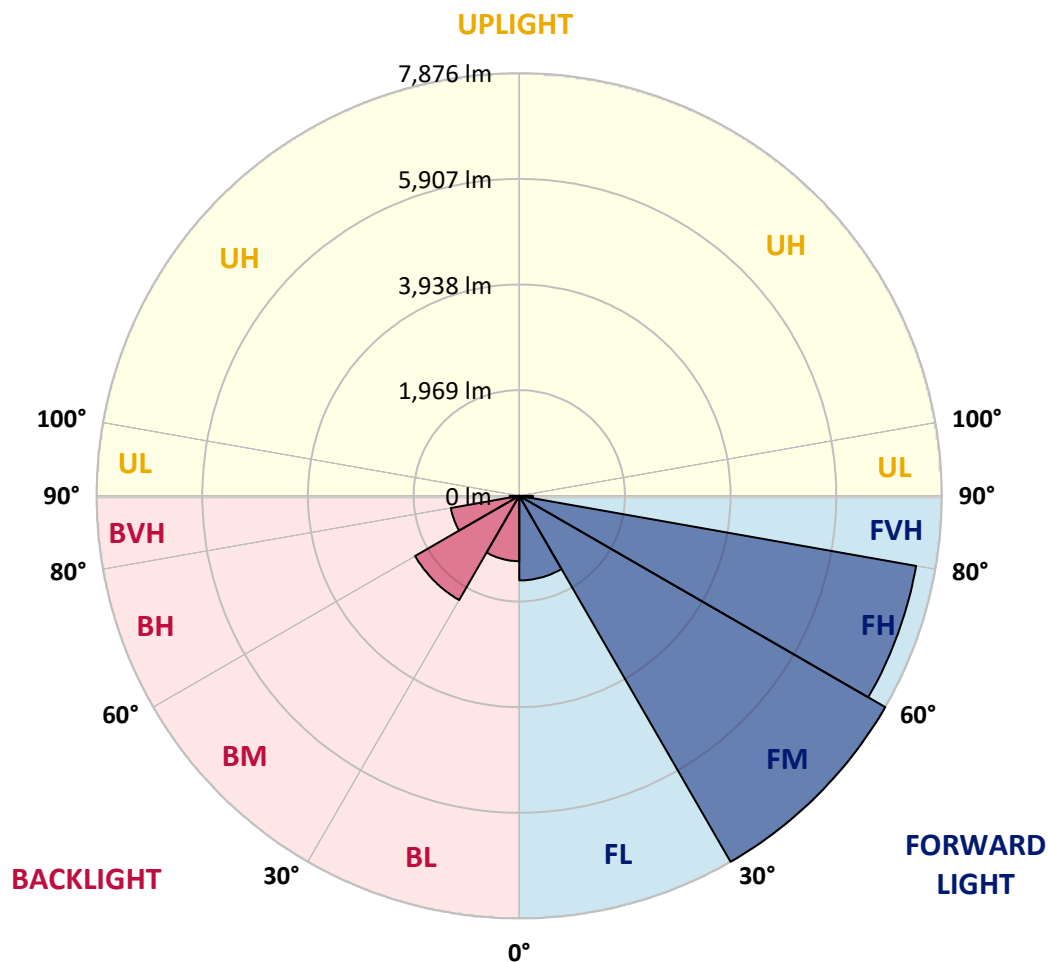
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1576.6	7.1			
FM	(30°-60°)	7876.2	35.6			
FH	(60°-80°)	7511.0	33.9			G4/12000
FVH	(80°-90°)	255.7	1.2			G3/500
BL	(0°-30°)	1219.2	5.5	B3/2500		
BM	(30°-60°)	2242.1	10.1	B2/2500		
BH	(60°-80°)	1293.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	178.4	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2
2.5°	2914.5	2917.5	2915.3	2921.4	2914.5	2919.1	2915.3	2915.3	2913.0	2906.1	2898.5
5°	2960.3	2966.4	2962.6	2968.7	2960.3	2961.8	2954.9	2954.9	2948.1	2933.6	2918.3
7.5°	3032.0	3038.9	3035.8	3041.9	3030.5	3030.5	3021.3	3020.6	3006.8	2983.2	2965.6
10°	3117.5	3126.6	3123.6	3132.7	3123.6	3126.6	3117.5	3117.5	3099.2	3065.6	3043.5
12.5°	3241.9	3253.3	3244.9	3244.2	3240.4	3246.5	3238.8	3237.3	3220.5	3174.7	3144.2
15°	3408.2	3420.5	3402.9	3401.4	3380.0	3377.7	3377.7	3375.4	3364.7	3309.8	3259.4
17.5°	3599.8	3603.6	3588.4	3563.9	3536.5	3518.9	3516.6	3522.7	3522.7	3458.6	3378.5
20°	3787.5	3794.4	3782.2	3754.7	3719.6	3693.7	3675.4	3687.6	3686.8	3610.5	3496.8
22.5°	3992.1	4008.1	3989.8	3954.7	3913.5	3884.5	3852.4	3863.1	3863.9	3770.0	3612.8
25°	4256.9	4242.4	4230.9	4181.3	4122.6	4092.8	4063.0	4073.7	4070.7	3941.7	3732.6
27.5°	4491.2	4494.2	4479.0	4426.3	4358.4	4292.7	4291.2	4298.1	4286.6	4120.3	3845.5
30°	4763.6	4765.1	4743.8	4696.5	4622.4	4537.7	4517.9	4529.3	4504.9	4289.7	3964.6
32.5°	5034.5	5042.2	5018.5	4961.3	4901.7	4798.7	4759.0	4766.7	4705.6	4462.9	4087.5
35°	5271.9	5282.6	5274.9	5236.8	5171.9	5083.4	5036.1	5031.5	4955.9	4675.1	4250.0
37.5°	5513.8	5523.7	5515.3	5483.3	5457.3	5363.4	5338.3	5338.3	5207.0	4891.8	4456.8
40°	5762.6	5777.8	5767.9	5723.7	5701.5	5658.8	5598.5	5584.0	5442.1	5152.1	4794.1
42.5°	5993.8	6013.7	6053.3	6027.4	5982.4	5988.5	5867.1	5859.5	5755.7	5536.7	5217.7
45°	6322.0	6351.0	6418.1	6398.3	6389.1	6355.6	6211.3	6204.4	6164.8	6054.1	5743.5
47.5°	6679.9	6719.6	6840.9	6844.7	6943.2	6879.8	6683.7	6660.0	6669.2	6673.8	6385.3
50°	7009.6	7053.1	7252.3	7346.1	7578.1	7591.9	7278.2	7256.8	7292.7	7398.0	7133.2
52.5°	7272.9	7327.8	7576.6	7866.6	8264.2	8377.1	8010.1	7994.0	8020.8	8202.4	7978.8
55°	7465.9	7525.5	7796.4	8324.5	8959.4	9158.6	8852.6	8837.3	8854.1	9085.4	8898.4
57.5°	7511.0	7525.5	7918.5	8632.8	9546.3	10024.8	9883.6	9853.1	9770.7	9972.1	9913.4
60°	7299.6	7357.6	7817.8	8741.2	10000.4	10878.8	10961.2	10923.0	10691.8	10856.6	10809.3
62.5°	6870.7	6974.5	7441.5	8576.3	10178.2	11576.3	12018.2	11972.4	11574.0	11680.8	11453.4
65°	6170.1	6214.4	6705.1	8007.8	9952.3	12022.7	12960.7	12937.8	12436.4	12269.2	11572.5
67.5°	4917.0	5000.2	5416.9	6819.5	9028.1	11970.1	13689.5	13687.2	12999.6	12487.5	11150.5
69°	3884.5	3970.7	4367.5	5617.6	7988.7	11488.5	13811.6	13838.3	13158.3	12354.7	10547.6
70°	3096.9	3196.9	3469.3	4731.6	7066.0	10853.6	13710.1	13758.1	13127.8	12135.7	9991.2
72.5°	1318.0	1398.9	1592.7	2439.0	4306.5	8104.7	12535.6	12717.2	12420.3	11107.0	8257.3
75°	575.4	600.6	688.4	994.4	1911.7	4411.0	9820.3	10156.1	10620.1	9388.3	6151.0
77.5°	421.3	431.9	480.0	583.8	857.8	1666.0	6315.1	6510.5	7659.0	6831.8	3773.0
80°	325.9	333.5	370.9	428.9	560.2	673.9	2880.1	3048.0	4306.5	3509.0	1571.3
82.5°	259.5	264.8	290.8	315.9	386.9	408.3	956.2	1060.8	1589.7	969.2	415.9
85°	241.2	247.3	256.4	230.5	248.0	239.6	413.6	432.7	480.0	380.8	174.0
87.5°	109.1	129.0	254.1	179.3	132.0	105.3	169.4	177.1	199.2	199.9	77.1
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°	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2	2896.2
2.5°	2903.0	2900.8	2904.6	2895.4	2906.9	2906.1	2902.3	2903.8	2911.4	2910.7	2911.4
5°	2920.6	2919.1	2923.6	2916.8	2930.5	2935.1	2935.9	2942.7	2951.1	2953.4	2953.4
7.5°	2964.9	2964.9	2967.1	2958.0	2967.1	2966.4	2962.6	2969.4	2977.8	2978.6	2977.8
10°	3041.2	3041.9	3038.1	3014.5	3006.8	2986.2	2967.1	2967.9	2978.6	2987.0	2989.3
12.5°	3137.3	3134.3	3117.5	3074.0	3041.9	3000.0	2980.1	2979.4	2990.0	2996.9	2999.2
15°	3247.2	3238.8	3195.3	3124.4	3067.9	3026.7	2994.6	2987.0	2980.9	2973.2	2974.0
17.5°	3351.0	3331.9	3259.4	3161.0	3101.5	3046.5	2984.7	2935.1	2900.8	2880.9	2874.8
20°	3456.3	3418.9	3314.4	3195.3	3119.8	3019.8	2900.8	2800.0	2737.4	2708.4	2703.1
22.5°	3552.5	3492.2	3365.5	3231.2	3105.3	2929.8	2742.8	2596.3	2509.3	2470.3	2473.4
25°	3646.4	3562.4	3418.9	3256.4	3032.0	2771.0	2523.0	2342.9	2242.1	2198.6	2197.1
27.5°	3728.8	3633.4	3476.9	3235.8	2895.4	2545.1	2262.8	2087.2	2003.3	1965.9	1959.8
30°	3823.4	3722.7	3554.0	3157.2	2695.5	2284.1	2008.6	1885.0	1825.5	1788.1	1781.2
32.5°	3938.6	3844.0	3617.4	3014.5	2439.8	2011.7	1810.2	1724.0	1669.8	1627.8	1620.2
35°	4106.5	4004.3	3633.4	2809.9	2159.0	1796.5	1664.4	1575.9	1502.7	1448.5	1443.1
37.5°	4317.2	4205.0	3596.7	2545.1	1886.5	1656.8	1543.1	1434.0	1338.6	1262.3	1250.0
40°	4620.9	4451.5	3495.2	2239.9	1685.8	1549.2	1424.8	1300.4	1182.1	1092.8	1075.3
42.5°	4985.7	4740.7	3339.6	1936.1	1538.5	1440.1	1307.3	1153.1	1040.2	976.8	967.7
45°	5449.7	5041.4	3123.6	1670.5	1393.5	1330.9	1180.6	1038.7	968.4	921.9	914.3
47.5°	5979.3	5378.7	2896.9	1454.6	1270.7	1228.7	1079.1	987.5	931.8	895.2	888.3
50°	6630.3	5759.5	2656.5	1277.5	1147.0	1105.8	1031.0	959.3	915.0	886.8	879.9
52.5°	7364.4	6189.2	2483.3	1137.9	1044.8	1015.0	1005.8	944.0	908.2	886.8	879.9
55°	8155.1	6626.5	2296.3	1020.3	956.2	964.6	989.0	945.5	921.1	895.2	885.3
57.5°	8946.5	7078.3	2088.0	921.1	886.0	927.2	977.6	948.6	928.0	902.8	893.7
60°	9572.2	7364.4	1765.2	837.9	830.3	886.0	950.1	925.7	899.0	899.8	898.2
62.5°	9864.5	7349.2	1408.8	763.9	774.6	830.3	905.9	889.8	867.7	897.5	899.8
65°	9700.5	6982.9	1096.7	696.8	715.1	772.3	860.1	872.3	879.9	937.2	944.8
67.5°	9012.1	6270.1	849.4	638.0	660.9	732.6	864.7	950.1	960.0	1020.3	1019.6
69°	8300.1	5601.6	738.0	607.5	634.2	742.5	924.2	999.7	962.3	1026.4	1017.3
70°	7703.3	5072.7	678.4	586.9	622.0	760.1	963.9	999.0	950.9	1005.8	990.6
72.5°	5932.8	3649.4	575.4	548.7	580.8	727.3	975.3	976.8	924.2	934.9	908.9
75°	4069.1	2306.3	502.2	496.8	518.2	655.5	938.7	933.3	854.7	839.5	818.1
77.5°	2243.7	1171.4	426.6	447.2	461.7	580.8	853.2	845.6	780.7	748.7	741.0
80°	865.4	512.8	360.2	397.6	406.8	502.9	747.9	741.0	686.8	645.6	634.2
82.5°	326.6	268.6	297.6	344.2	341.1	415.2	633.4	629.6	576.9	516.7	498.3
85°	151.1	161.0	235.8	283.9	261.8	307.6	506.7	513.6	449.5	377.8	377.8
87.5°	64.1	90.1	167.1	214.4	176.3	207.6	371.7	354.9	325.9	225.9	212.2
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
 R_f: 81.5
 R_g: 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 $\text{W}^\wedge/\text{nm}$	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	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

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



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)