

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: P319214

Luminaire Tested: **GLEON-SA0C-830-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA0C-830-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55244 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 558
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



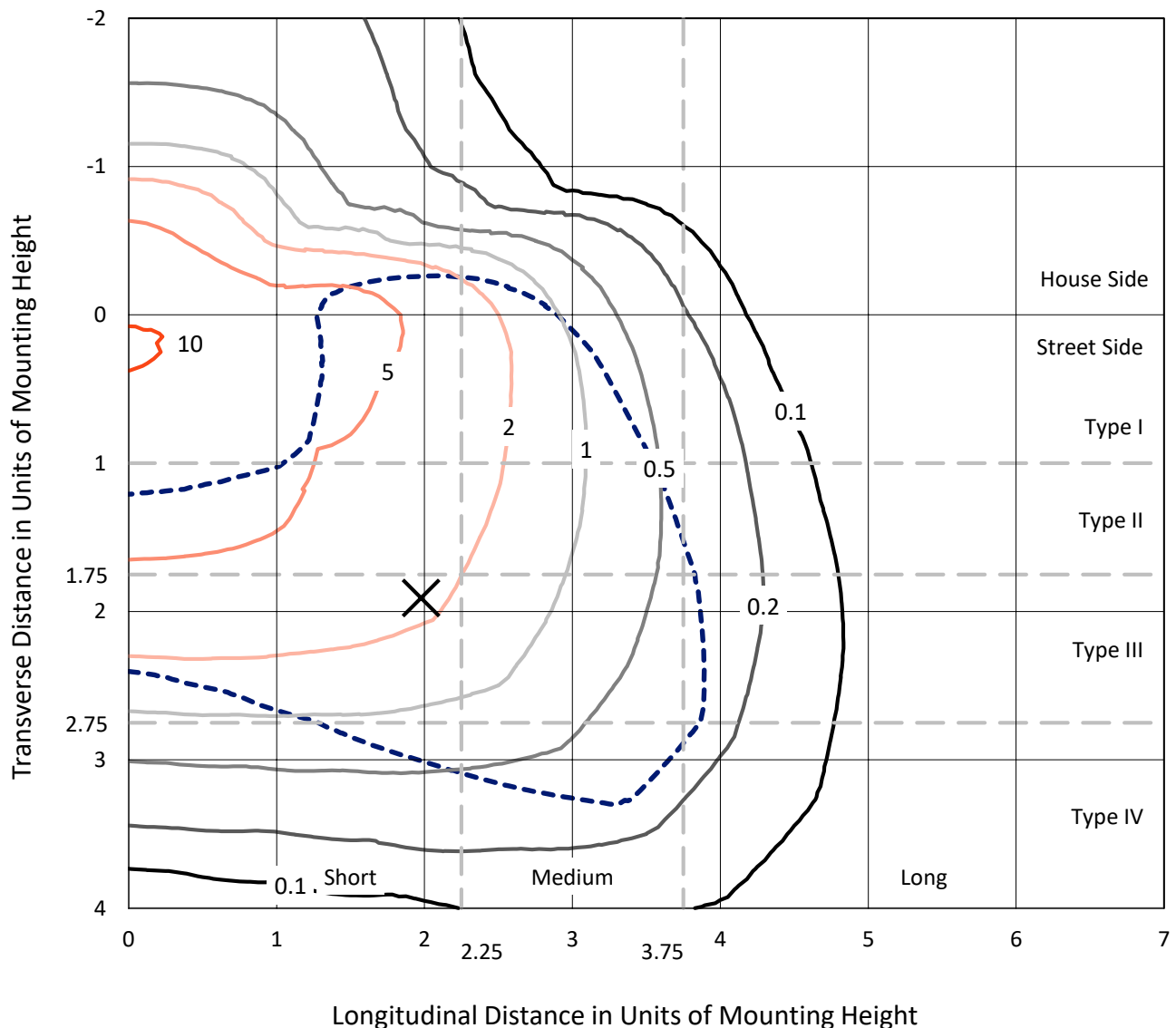
REPORT NUMBER: P319214

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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

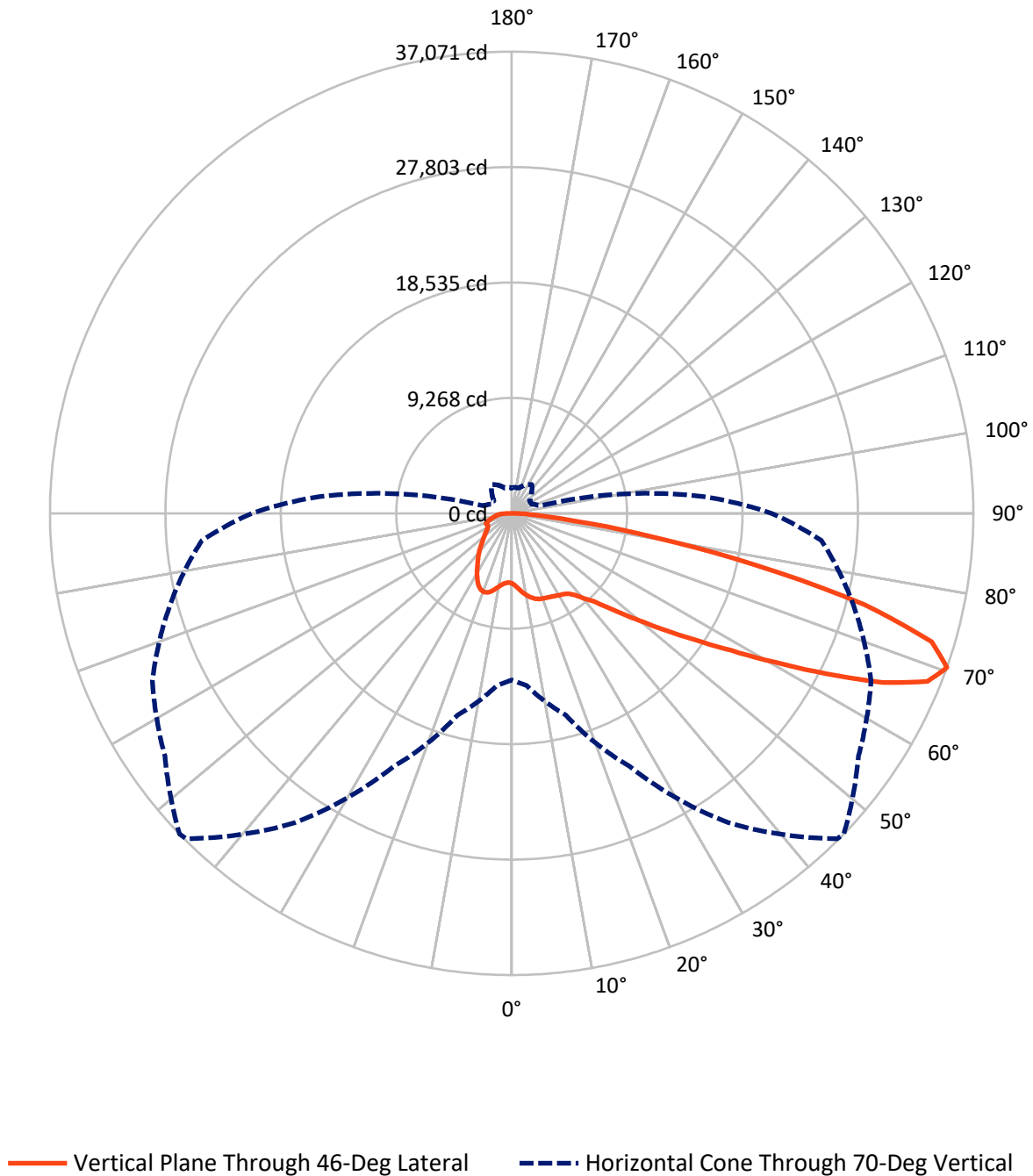


Based on 25 foot mounting height. Maximum calculated value = 11.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA0C-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12661.7	0.0	12661.7
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	42582.2	0.0	42582.2
	% Fixture	77.1	0.0	77.1
Total	Lumens	55244.0	0.0	55244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.8	1.0
10°-20°	1911.6	3.5
20°-30°	3187.4	5.8
30°-40°	4523.1	8.2
40°-50°	6653.2	12.0
50°-60°	11267.2	20.4
60°-70°	15993.6	29.0
70°-80°	9716.2	17.6
80°-90°	1418.0	2.6
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°	55244.0	100.0
0°-180°	55244.0	100.0

Coefficient of Utilization



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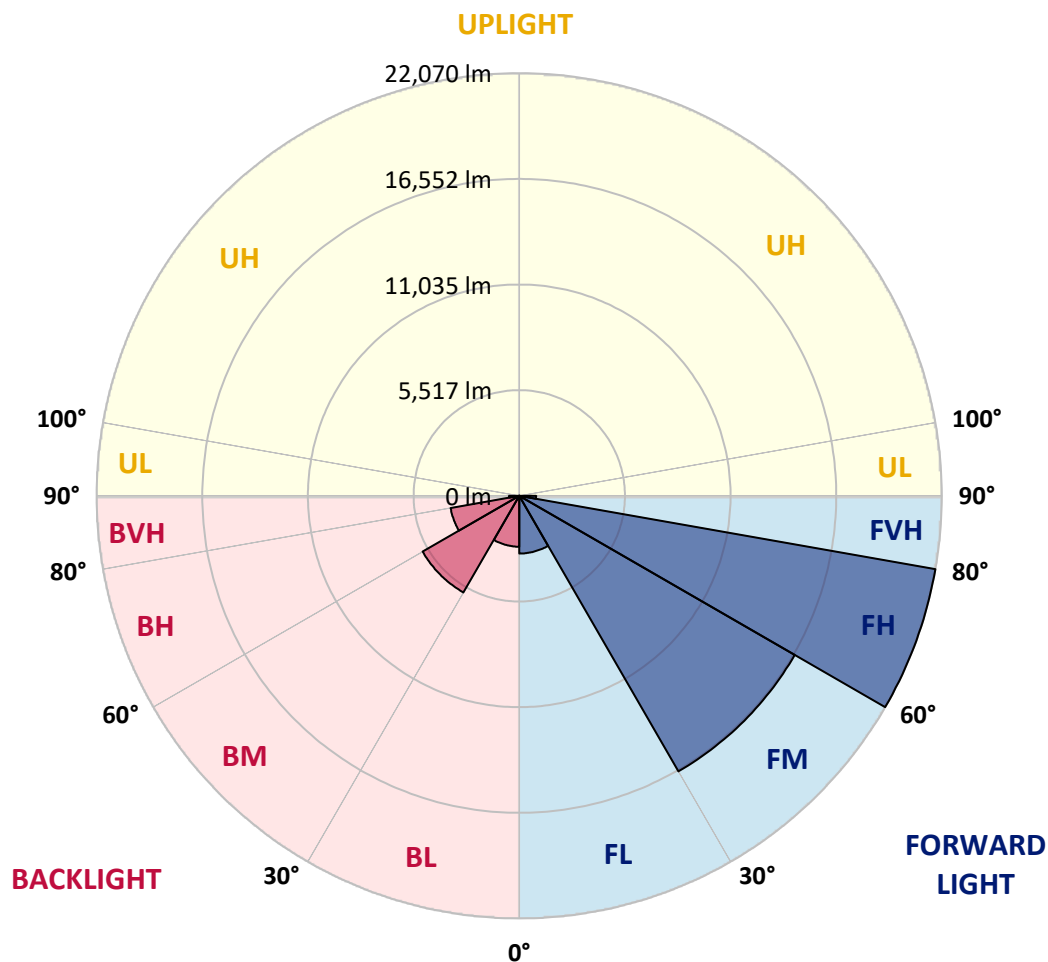
CATALOG NUMBER: GLEON-SA0C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3014.4	5.5			
FM	(30°-60°)	16614.9	30.1			
FH	(60°-80°)	22069.7	39.9			G5
FVH	(80°-90°)	883.3	1.6			G5
BL	(0°-30°)	2658.4	4.8	B4/5000		
BM	(30°-60°)	5828.5	10.6	B4/8500		
BH	(60°-80°)	3640.1	6.6	B4/5000		G4/5000
BVH	(80°-90°)	534.7	1.0			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3
2.5°	5910.0	5913.8	5921.3	5902.4	5849.5	5834.4	5828.7	5773.9	5737.9	5685.0	5639.6
5°	6382.6	6386.4	6375.1	6322.1	6204.9	6117.9	6110.4	5985.6	5872.2	5751.2	5660.4
7.5°	6876.1	6881.7	6845.8	6745.6	6581.1	6429.9	6420.4	6250.3	6078.2	5894.9	5758.7
10°	7312.8	7290.1	7231.5	7091.6	6896.9	6711.6	6704.0	6526.3	6327.8	6106.6	5925.1
12.5°	7603.9	7585.0	7509.4	7339.3	7125.6	6955.5	6940.4	6775.9	6583.0	6341.0	6123.6
15°	7764.6	7777.9	7675.8	7482.9	7275.0	7131.3	7118.1	7000.8	6828.8	6584.9	6335.4
17.5°	7785.4	7796.8	7698.5	7507.5	7337.4	7239.1	7233.4	7155.9	7031.1	6796.7	6535.8
20°	7664.4	7672.0	7590.7	7433.8	7322.2	7292.0	7290.1	7256.1	7163.4	6955.5	6702.1
22.5°	7488.6	7494.3	7435.7	7322.2	7284.4	7331.7	7344.9	7331.7	7265.5	7070.8	6832.6
25°	7445.1	7441.4	7380.9	7265.5	7297.7	7397.9	7414.9	7420.6	7375.2	7205.0	6999.0
27.5°	7655.0	7641.8	7526.4	7341.2	7362.0	7482.9	7505.6	7560.5	7532.1	7382.7	7188.0
30°	8261.9	8239.2	8002.9	7628.5	7526.4	7588.8	7617.2	7704.1	7709.8	7585.0	7439.5
32.5°	9286.6	9258.2	8834.7	8165.5	7804.3	7696.6	7723.1	7853.5	7923.5	7827.0	7670.1
35°	10581.6	10549.5	9993.7	9078.6	8269.4	7902.7	7921.6	8025.5	8165.5	8029.3	7821.4
37.5°	11931.5	11854.0	11319.0	10152.5	9008.7	8343.2	8343.2	8356.4	8422.6	8139.0	7999.1
40°	13273.8	13196.3	12712.3	11415.4	9965.3	9037.0	8993.5	8700.5	8647.6	8403.7	8356.4
42.5°	14521.6	14498.9	14213.4	12842.8	11088.3	9719.5	9659.0	9161.8	9173.1	9021.9	9023.8
45°	15848.8	15848.8	15616.3	14283.4	12396.6	10816.1	10755.6	10023.9	10137.3	10067.4	10235.6
47.5°	16932.1	16966.1	16934.0	15784.5	13918.5	12209.4	12099.8	11218.8	11536.4	11776.5	12266.1
50°	18038.1	18091.0	18096.7	17431.2	15758.1	13865.6	13740.8	12805.0	13513.9	14202.1	15164.4
52.5°	19643.2	19762.3	19287.8	19074.1	18011.6	15831.8	15708.9	14844.9	16028.4	16994.5	18652.5
55°	21131.1	21027.1	20688.7	20821.1	20424.0	18070.2	17977.6	17219.5	18830.3	20085.6	22239.0
57.5°	21936.5	21928.9	22269.2	22836.4	23025.5	20830.5	20753.0	20015.7	21989.4	22932.8	25606.1
60°	22881.8	22895.0	23738.2	25025.7	25804.6	24267.6	24233.6	23674.0	25057.9	25591.0	28247.3
62.5°	23014.1	23252.3	24704.3	26920.1	28406.1	28283.2	28358.8	26969.2	27803.0	27712.2	30219.2
65°	21492.2	21806.0	24434.0	27492.9	30992.4	32675.0	32745.0	30283.4	29967.7	29525.3	30924.4
67.5°	18372.7	18837.8	21692.6	26247.0	31845.1	35921.2	36019.5	32852.8	31763.8	30139.8	29226.6
70°	13370.2	13886.4	16760.1	22416.7	30325.0	36959.1	37070.7	33989.0	31831.8	28391.0	24950.1
72.5°	8076.6	8481.2	10850.1	16502.9	25594.8	35068.5	35267.0	32548.4	29062.1	24048.3	18423.8
75°	3546.7	3811.4	5246.4	9509.7	18323.6	29014.9	29262.5	27859.7	23613.5	17476.6	10889.8
77.5°	1510.6	1586.2	2151.5	4130.9	10358.5	19826.6	20166.9	20356.0	16020.8	9509.7	4601.7
80°	941.5	971.8	1217.5	1869.8	4847.5	11135.6	11502.3	11976.9	7955.6	3495.7	1607.0
82.5°	572.8	606.9	809.2	1130.6	2523.9	5047.9	5223.7	5558.3	3087.3	1510.6	831.9
85°	344.1	368.7	495.3	714.6	1436.8	1985.1	1983.2	2193.1	1453.9	971.8	438.6
87.5°	164.5	183.4	264.7	370.6	724.1	744.9	697.6	790.3	882.9	637.1	221.2
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-SA0C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3	5628.3
2.5°	5624.5	5616.9	5592.4	5573.5	5569.7	5558.3	5548.9	5554.5	5562.1	5564.0	5564.0
5°	5622.6	5601.8	5569.7	5556.4	5573.5	5596.1	5624.5	5662.3	5685.0	5702.0	5713.4
7.5°	5713.4	5673.7	5637.7	5630.2	5664.2	5724.7	5789.0	5868.4	5923.2	5961.0	5968.6
10°	5864.6	5815.5	5779.5	5787.1	5847.6	5934.6	6025.3	6127.4	6210.6	6261.6	6265.4
12.5°	6038.5	5991.3	5957.2	5989.4	6089.6	6195.5	6290.0	6378.8	6454.5	6505.5	6505.5
15°	6238.9	6204.9	6165.2	6238.9	6375.1	6469.6	6509.3	6552.8	6594.4	6632.2	6624.6
17.5°	6431.8	6399.6	6378.8	6465.8	6607.6	6651.1	6624.6	6592.5	6592.5	6613.3	6617.1
20°	6598.2	6569.8	6583.0	6668.1	6741.8	6696.5	6598.2	6496.1	6454.5	6465.8	6477.2
22.5°	6743.7	6730.5	6770.2	6809.9	6757.0	6598.2	6416.7	6278.6	6227.6	6223.8	6227.6
25°	6913.9	6912.0	6961.1	6889.3	6654.9	6361.8	6117.9	5983.7	5955.4	5978.0	6015.9
27.5°	7125.6	7146.4	7171.0	6908.2	6446.9	6004.5	5756.8	5664.2	5692.6	5747.4	5783.3
30°	7396.0	7452.7	7399.8	6860.9	6148.2	5596.1	5359.8	5333.4	5410.9	5488.4	5526.2
32.5°	7658.8	7747.6	7619.1	6738.1	5762.5	5163.2	4979.8	4972.2	5066.8	5142.4	5195.3
35°	7870.5	8046.3	7783.6	6494.2	5316.3	4764.3	4630.1	4579.0	4613.0	4701.9	4762.4
37.5°	8146.5	8439.6	7897.0	6121.7	4832.3	4435.3	4278.4	4161.2	4130.9	4166.9	4197.1
40°	8651.3	9038.9	7949.9	5601.8	4359.7	4106.4	3947.5	3775.5	3656.4	3569.4	3571.3
42.5°	9475.6	9819.7	7915.9	4970.4	3923.0	3785.0	3605.4	3406.8	3214.0	3017.4	3002.3
45°	10814.2	10980.5	7813.8	4301.1	3539.2	3448.4	3280.2	3081.7	2824.5	2601.4	2580.7
47.5°	12956.2	12587.5	7655.0	3716.9	3200.8	3163.0	3007.9	2779.2	2506.9	2327.3	2312.2
50°	15877.2	14907.3	7577.5	3251.8	2902.1	2913.4	2786.7	2544.7	2287.6	2155.3	2140.1
52.5°	19371.0	17608.9	7726.8	2892.6	2661.9	2701.7	2607.1	2380.3	2164.7	2060.7	2045.6
55°	22995.2	20407.0	7887.5	2631.7	2435.1	2512.6	2480.5	2293.3	2098.6	2002.1	1988.9
57.5°	26097.7	22496.1	7566.1	2420.0	2232.8	2353.8	2382.1	2238.5	2064.5	1977.6	1962.4
60°	28050.7	23337.4	6722.9	2221.4	2072.1	2227.1	2325.4	2223.3	2077.8	2070.2	2058.9
62.5°	28977.1	23263.7	5458.1	2064.5	1971.9	2172.3	2367.0	2308.4	2229.0	2297.1	2302.7
65°	28561.1	22152.0	4064.8	1960.5	1900.0	2193.1	2491.8	2469.1	2272.5	2340.5	2350.0
67.5°	25823.5	19499.5	3009.8	1869.8	1820.6	2251.7	2718.7	2522.0	2187.4	2236.6	2206.3
70°	20872.1	15459.3	2321.6	1767.7	1739.3	2244.1	2820.8	2489.9	2094.8	2106.1	2024.8
72.5°	14393.1	10541.9	1888.7	1673.2	1622.1	2045.6	2748.9	2410.5	2017.3	1930.3	1822.5
75°	7827.0	5658.5	1605.1	1574.9	1416.1	1796.1	2616.6	2353.8	1947.3	1832.0	1771.5
77.5°	3079.8	2348.1	1393.4	1440.6	1238.3	1586.2	2469.1	2246.0	1850.9	1699.6	1669.4
80°	1257.2	1198.6	1155.1	1245.9	1064.4	1387.7	2291.4	2119.3	1735.6	1576.8	1516.3
82.5°	712.8	744.9	898.0	983.1	864.0	1278.0	2206.3	2017.3	1597.5	1412.3	1340.4
85°	364.9	436.7	625.8	705.2	635.2	1087.1	2032.4	1765.8	1281.8	1081.4	1087.1
87.5°	175.8	243.9	395.1	442.4	412.1	786.5	1518.1	1279.9	998.2	790.3	765.7
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 $\text{W}^{\wedge}/\text{nm}$	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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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.27

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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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

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



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)