

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: P319514

Luminaire Tested: **GLEON-SA0A-830-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA0A-830-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35908 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

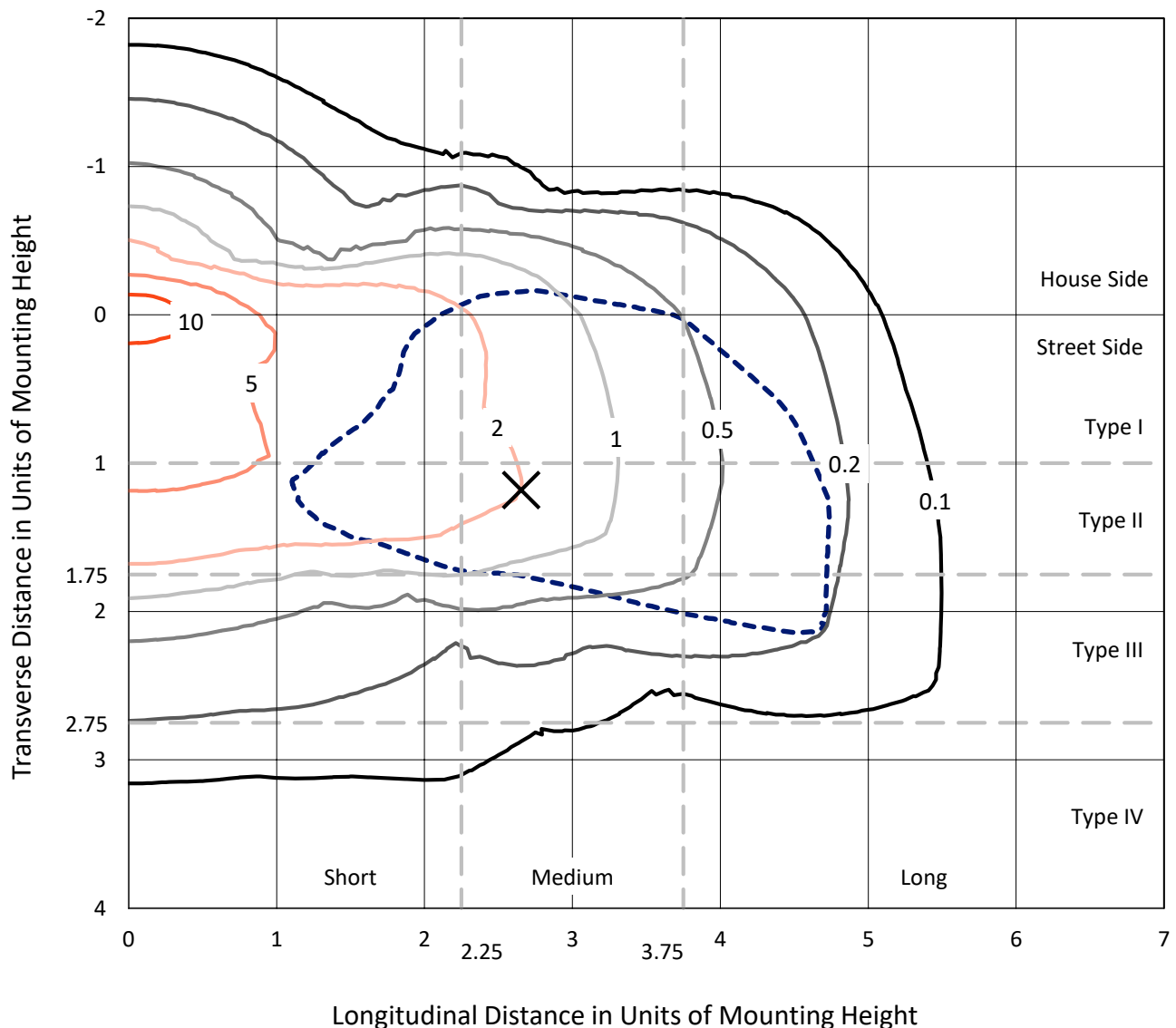
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

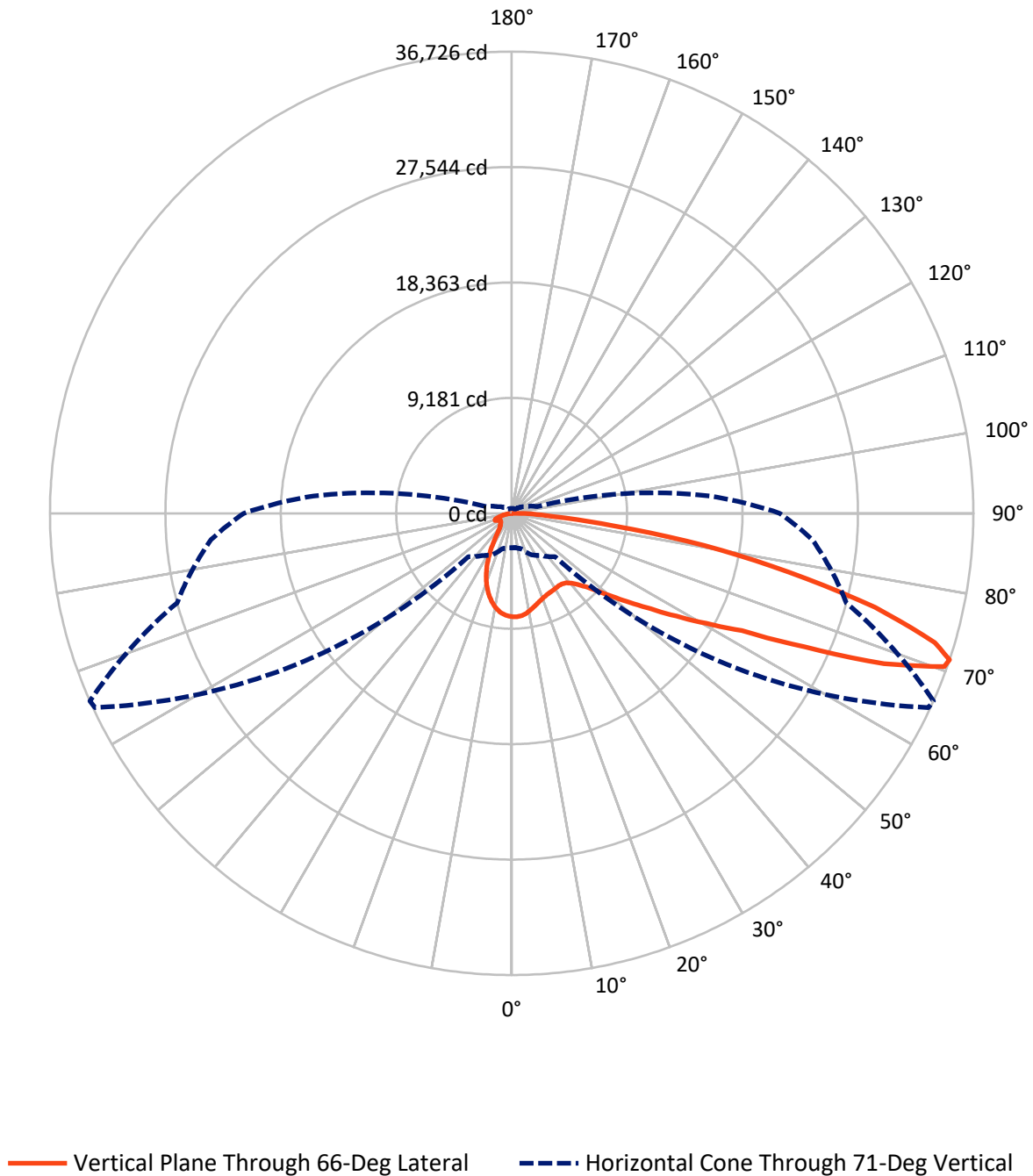
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA0A-830-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6654.7	0.0	6654.7
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	29253.3	0.0	29253.3
	% Fixture	81.5	0.0	81.5
Total	Lumens	35908.0	0.0	35908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.1	2.0
10°-20°	1736.6	4.8
20°-30°	2332.7	6.5
30°-40°	3068.7	8.5
40°-50°	4464.1	12.4
50°-60°	6973.4	19.4
60°-70°	8735.3	24.3
70°-80°	6663.1	18.6
80°-90°	1209.9	3.4
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°	35908.0	100.0
0°-180°	35908.0	100.0

Coefficient of Utilization



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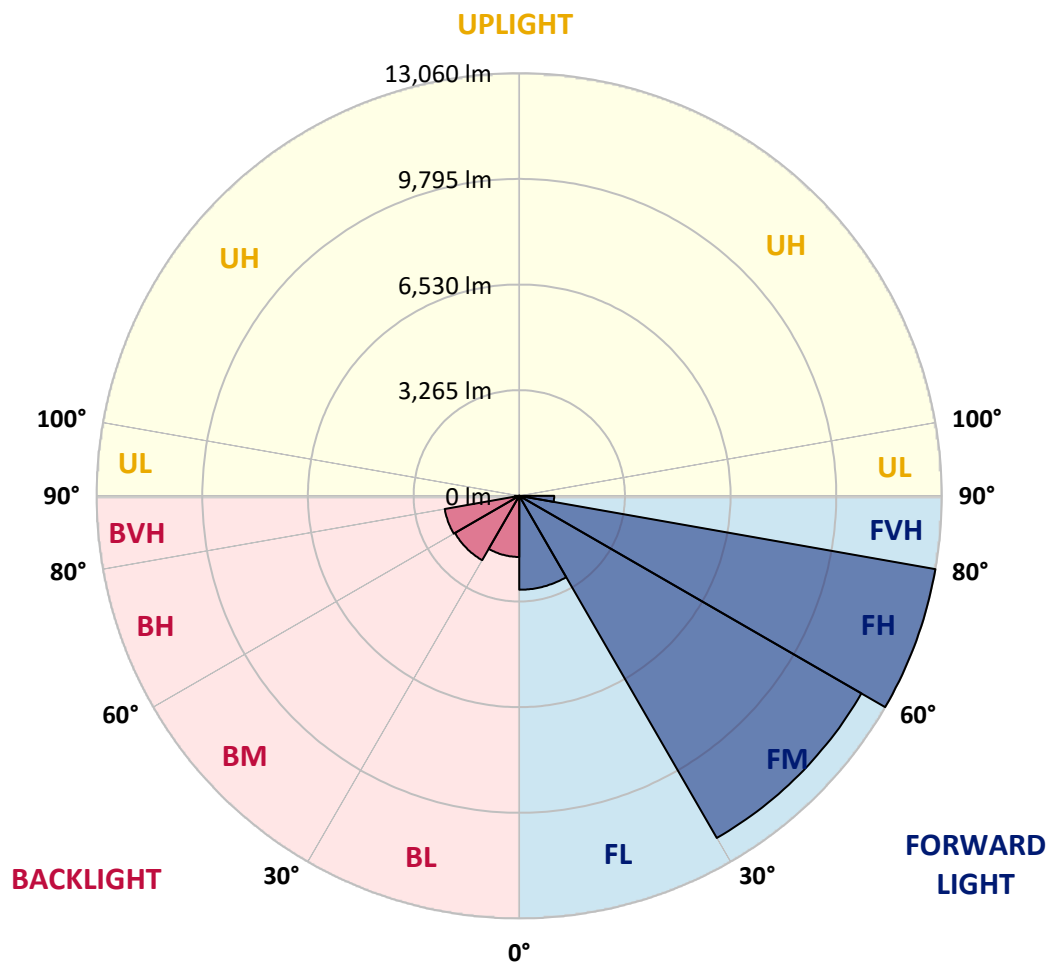
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2903.7	8.1			
FM	(30°-60°)	12210.5	34.0			
FH	(60°-80°)	13060.1	36.4			G5
FVH	(80°-90°)	1079.0	3.0			G5
BL	(0°-30°)	1889.8	5.3	B3/2500		
BM	(30°-60°)	2295.7	6.4	B2/2500		
BH	(60°-80°)	2338.3	6.5	B3/2500		G3/2500
BVH	(80°-90°)	131.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8
2.5°	8073.3	8060.9	8098.1	8136.6	8151.4	8176.2	8213.4	8234.5	8233.3	8237.0	8224.6
5°	7537.8	7521.6	7596.0	7656.8	7773.3	7904.7	8064.7	8178.7	8181.2	8245.7	8263.0
7.5°	7030.7	7019.5	7105.1	7203.0	7338.2	7539.0	7798.1	8043.6	8058.5	8233.3	8294.0
10°	6624.1	6621.6	6704.6	6811.3	6968.7	7193.1	7490.6	7850.2	7872.5	8173.8	8299.0
12.5°	6306.7	6311.6	6383.5	6505.0	6671.2	6905.5	7227.8	7633.2	7669.2	8079.5	8270.5
15°	6072.4	6092.2	6150.5	6273.2	6436.8	6674.9	7005.9	7432.4	7486.9	7974.2	8254.3
17.5°	5938.5	5960.8	6001.7	6103.4	6257.1	6486.4	6800.1	7267.5	7317.1	7893.6	8255.6
20°	5898.8	5917.4	5940.9	6002.9	6133.1	6341.4	6637.7	7118.7	7172.0	7829.1	8268.0
22.5°	5976.9	5990.5	5993.0	5988.1	6067.4	6237.2	6519.9	7009.6	7066.6	7787.0	8276.7
25°	6144.3	6162.9	6149.2	6103.4	6077.3	6181.5	6459.2	6937.7	6994.7	7756.0	8259.3
27.5°	6395.9	6398.4	6387.3	6327.8	6205.0	6187.7	6440.6	6895.6	6950.1	7720.0	8223.3
30°	6738.1	6754.2	6734.4	6653.8	6453.0	6286.8	6462.9	6854.6	6904.2	7674.1	8165.1
32.5°	7138.6	7178.2	7177.0	7092.7	6805.1	6508.8	6554.6	6829.9	6868.3	7625.8	8094.4
35°	7553.9	7608.4	7710.1	7674.1	7318.3	6859.6	6730.7	6869.5	6895.6	7619.6	8044.8
37.5°	7985.3	8039.9	8249.4	8346.1	7929.5	7361.7	7008.4	7009.6	7022.0	7695.2	8041.1
40°	8436.6	8494.9	8809.8	9061.4	8721.7	7997.7	7455.9	7302.2	7288.6	7881.2	8114.2
42.5°	9068.9	9120.9	9499.1	9820.2	9600.7	8812.2	8074.6	7753.5	7725.0	8245.7	8348.6
45°	9868.5	9913.1	10314.8	10658.2	10545.4	9742.1	8851.9	8374.6	8369.6	8853.1	8823.4
47.5°	10819.4	10854.1	11214.9	11547.2	11588.1	10812.0	9828.8	9332.9	9252.4	9686.3	9558.6
50°	11810.0	11848.4	12093.9	12450.9	12754.7	12243.9	11086.0	10507.0	10399.1	10785.9	10600.0
52.5°	12465.8	12516.6	12729.9	13182.4	14066.4	13813.4	12572.4	11930.2	11766.6	12118.7	11976.1
55°	12173.2	12287.3	12613.3	13338.6	15115.2	16211.1	14406.0	13590.3	13405.6	13698.1	13613.8
57.5°	10843.0	10999.2	11444.3	12563.8	15262.7	18323.7	17178.2	15545.4	15415.2	15330.9	15369.3
60°	8411.8	8561.8	9113.5	10572.7	14235.0	19866.0	21350.0	17955.5	17767.0	16969.9	17004.6
62.5°	5953.3	5877.7	6255.8	7323.3	11567.0	20047.0	26097.0	21178.9	20559.0	18700.6	18548.1
65°	4540.0	4522.7	4692.5	5032.2	7005.9	17881.1	28924.9	26596.6	25628.4	20736.3	20376.7
67.5°	3730.4	3699.5	3866.8	4361.5	4511.5	11536.0	28986.9	32882.2	31931.3	23270.4	22491.8
70°	3067.2	3032.5	3188.7	3827.1	4169.3	5850.4	24396.1	36563.1	36512.3	26478.9	24088.6
71°	2749.8	2725.0	2912.2	3621.3	4096.2	4876.0	21063.6	36573.0	36725.5	27564.9	23994.4
72.5°	2239.0	2247.7	2446.1	3223.4	4041.6	4305.7	15480.9	34868.3	35190.7	28600.1	23137.7
75°	1487.7	1495.2	1755.5	2479.5	3918.9	4212.7	8508.5	29258.4	29851.0	27980.2	21113.2
77.5°	999.2	996.8	1174.1	1701.0	3414.3	4212.7	4988.8	21883.1	22533.9	22263.7	16276.8
80°	688.1	683.1	808.3	1174.1	2584.9	4263.5	3856.9	15335.9	15533.0	12023.2	6615.4
82.5°	421.5	425.2	528.1	829.4	1759.2	3837.1	3641.2	8362.2	8147.7	3372.2	1652.6
85°	241.8	240.5	337.2	561.6	1129.4	3238.3	3550.7	3599.0	3301.5	1015.4	597.6
87.5°	86.8	93.0	181.0	311.2	647.2	2255.1	3012.6	1872.0	1687.3	458.7	270.3
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°	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8	8225.8
2.5°	8215.9	8223.3	8214.7	8165.1	8122.9	8054.7	8016.3	7963.0	7946.9	7939.4	7959.3
5°	8246.9	8249.4	8176.2	8046.1	7899.8	7727.4	7603.5	7451.0	7379.1	7348.1	7367.9
7.5°	8275.4	8264.3	8104.3	7855.1	7584.9	7284.8	7018.3	6774.1	6631.5	6573.2	6578.2
10°	8279.1	8232.0	7975.4	7589.8	7170.8	6730.7	6321.6	5944.7	5706.6	5551.7	5598.8
12.5°	8240.7	8161.4	7785.7	7246.4	6665.0	6064.9	5512.0	4946.7	4607.0	4449.5	4454.5
15°	8211.0	8067.1	7552.6	6842.3	6061.2	5266.5	4511.5	3847.0	3485.0	3323.8	3248.2
17.5°	8186.2	7965.5	7282.4	6387.3	5348.3	4340.4	3432.9	2840.3	2641.9	2594.8	2575.0
20°	8151.4	7857.6	6981.1	5860.4	4536.3	3304.0	2506.8	2214.2	2215.5	2270.0	2277.4
22.5°	8103.1	7734.9	6660.0	5269.0	3664.7	2406.4	1965.0	1880.7	1966.3	2070.4	2089.0
25°	8031.2	7589.8	6303.0	4615.6	2794.4	1849.7	1678.6	1674.9	1779.1	1888.2	1904.3
27.5°	7929.5	7400.1	5906.2	3913.9	2059.2	1572.0	1503.8	1529.9	1606.7	1686.1	1692.3
30°	7793.2	7179.5	5468.6	3173.8	1614.2	1399.7	1392.3	1415.8	1462.9	1518.7	1523.7
32.5°	7643.1	6955.1	5001.2	2457.2	1382.3	1306.7	1314.1	1325.3	1347.6	1369.9	1374.9
35°	7506.8	6725.7	4522.7	1867.1	1272.0	1246.0	1241.0	1238.5	1241.0	1233.6	1234.8
37.5°	7418.7	6536.0	4024.3	1486.5	1208.8	1192.7	1177.8	1159.2	1138.1	1125.7	1128.2
40°	7386.5	6394.7	3519.7	1284.4	1156.7	1145.5	1117.0	1077.4	1052.6	1045.1	1045.1
42.5°	7473.3	6321.6	3032.5	1182.7	1113.3	1094.7	1047.6	1001.7	983.1	981.9	980.7
45°	7738.6	6351.3	2568.8	1126.9	1073.6	1037.7	975.7	937.3	924.9	927.3	926.1
47.5°	8214.7	6538.5	2172.1	1089.8	1034.0	986.9	917.4	886.4	871.6	871.6	872.8
50°	9024.2	6976.1	1855.9	1058.8	1000.5	939.7	875.3	836.8	817.0	815.8	815.8
52.5°	10203.2	7759.7	1658.8	1032.7	963.3	897.6	833.1	784.8	761.2	756.3	753.8
55°	11681.0	8882.9	1604.3	1015.4	913.7	851.7	782.3	733.9	707.9	696.7	695.5
57.5°	13333.7	10249.1	1712.1	994.3	862.9	797.2	726.5	680.6	653.4	639.7	638.5
60°	15006.1	11740.6	2152.2	964.5	820.7	737.7	669.5	627.3	600.0	585.2	582.7
62.5°	16681.0	13312.6	3051.1	962.1	791.0	680.6	611.2	575.3	549.2	533.1	529.4
65°	18570.4	15033.4	4072.6	1027.8	781.1	628.6	551.7	523.2	500.9	486.0	484.7
67.5°	20740.0	16976.1	3974.7	1162.9	814.5	581.4	495.9	473.6	457.5	445.1	443.8
70°	21757.8	16672.3	2470.8	1258.4	861.6	535.6	442.6	426.5	414.1	405.4	401.7
71°	21331.4	15830.5	2071.6	1247.2	856.7	515.7	421.5	409.1	396.7	389.3	385.6
72.5°	20168.5	14437.0	1728.2	1160.4	800.9	479.8	394.2	381.8	370.7	362.0	359.5
75°	18098.1	12893.5	1383.6	927.3	638.5	405.4	345.9	332.3	323.6	318.6	313.7
77.5°	13303.9	9201.5	1069.9	732.7	469.9	331.0	295.1	285.1	276.5	269.0	265.3
80°	5096.7	3564.3	720.3	546.7	344.7	261.6	238.0	233.1	224.4	219.4	219.4
82.5°	1372.4	1065.0	384.3	331.0	230.6	190.9	182.2	179.8	172.3	162.4	163.6
85°	555.4	469.9	215.7	182.2	141.3	112.8	122.7	124.0	115.3	102.9	104.1
87.5°	244.2	199.6	120.3	80.6	62.0	43.4	55.8	55.8	50.8	42.2	38.4
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 $\text{W}^{\wedge}/\text{nm}$	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 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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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)