

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 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: P319217

Luminaire Tested: **GLEON-SA3D-830-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319217
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-SA3D-830-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18692 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 191
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

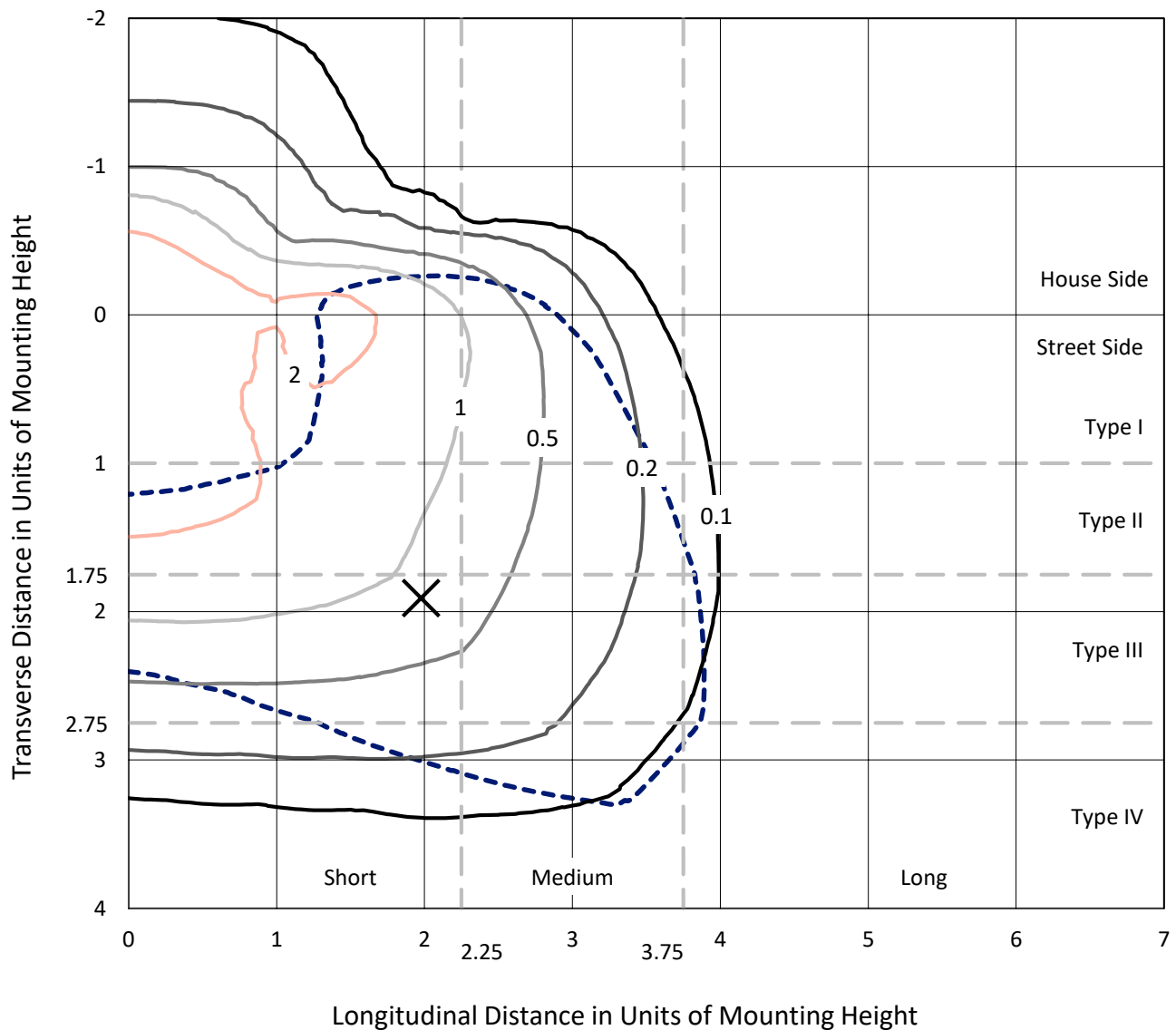


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Iso-Footcandle Lines of Horizontal Illumination

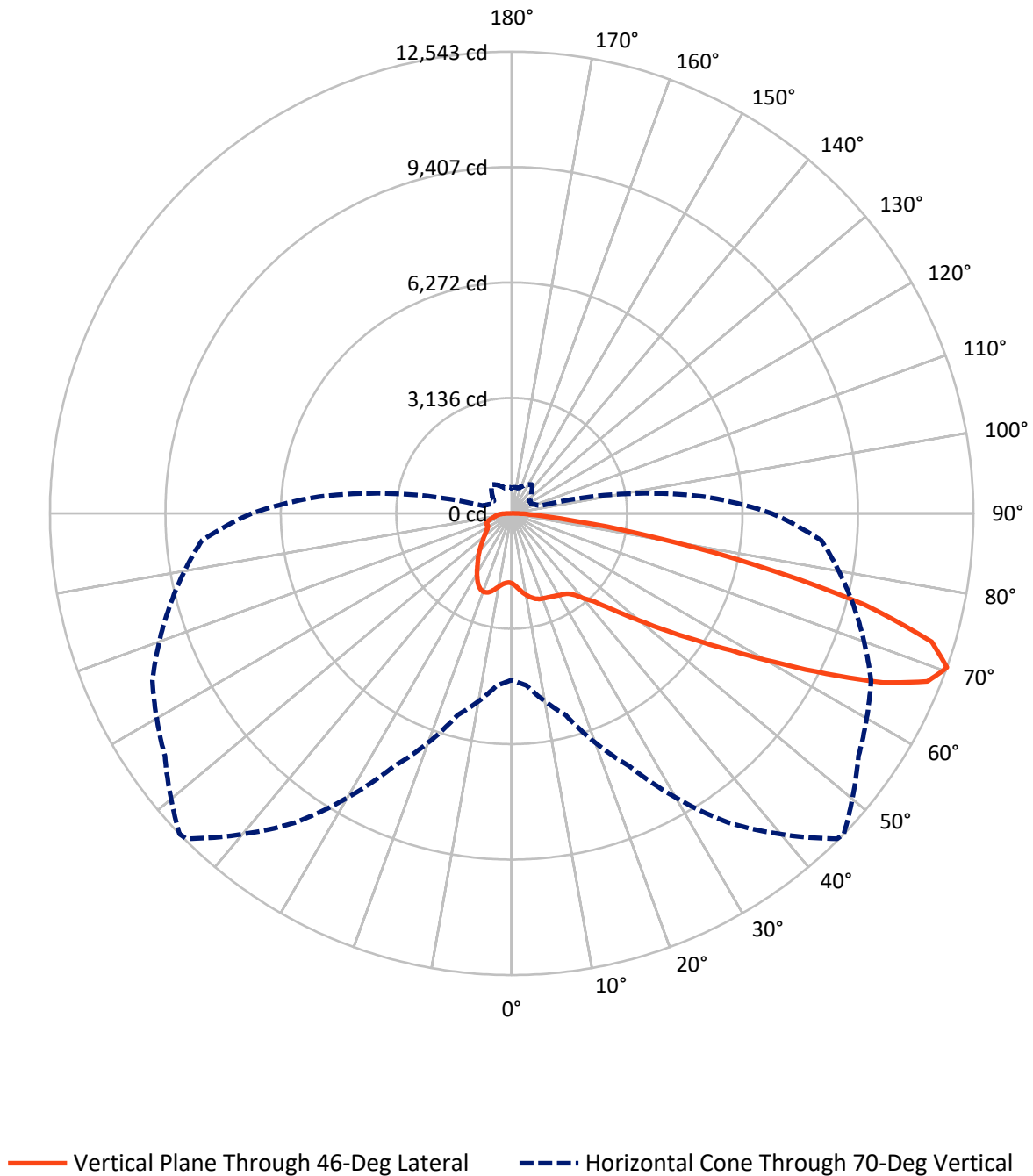
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA3D-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4284.1	0.0	4284.1
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	14407.8	0.0	14407.8
	% Fixture	77.1	0.0	77.1
Total	Lumens	18692.0	0.0	18692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	1.0
10°-20°	646.8	3.5
20°-30°	1078.5	5.8
30°-40°	1530.4	8.2
40°-50°	2251.1	12.0
50°-60°	3812.3	20.4
60°-70°	5411.5	29.0
70°-80°	3287.5	17.6
80°-90°	479.8	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°	18692.0	100.0
0°-180°	18692.0	100.0

Coefficient of Utilization



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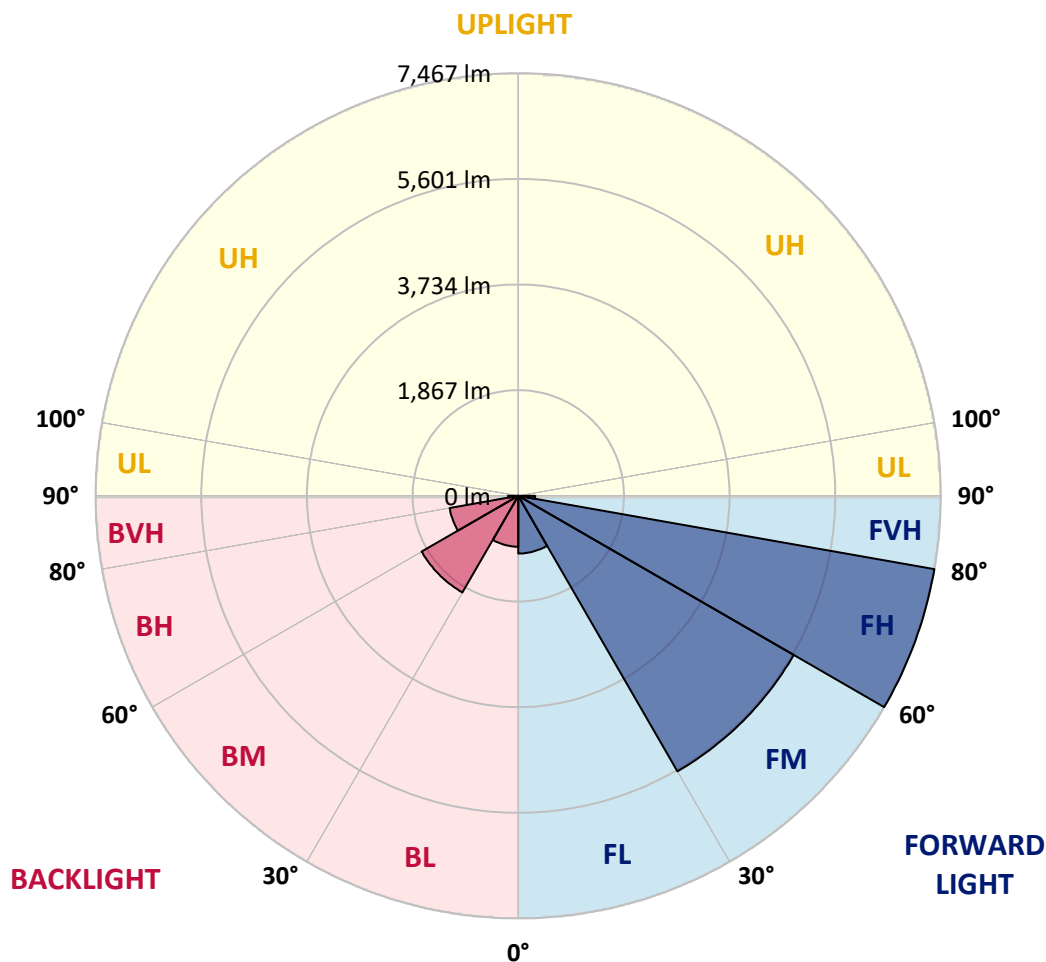
CATALOG NUMBER: GLEON-SA3D-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1019.9	5.5			
FM	(30°-60°)	5621.7	30.1			
FH	(60°-80°)	7467.3	39.9			G3/7500
FVH	(80°-90°)	298.9	1.6			G3/500
BL	(0°-30°)	899.5	4.8	B2/1000		
BM	(30°-60°)	1972.1	10.6	B2/2500		
BH	(60°-80°)	1231.7	6.6	B3/2500		G3/2500
BVH	(80°-90°)	180.9	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CATALOG NUMBER: GLEON-SA3D-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3
2.5°	1999.7	2000.9	2003.5	1997.1	1979.2	1974.1	1972.2	1953.6	1941.5	1923.5	1908.2
5°	2159.6	2160.9	2157.0	2139.1	2099.5	2070.0	2067.5	2025.2	1986.9	1945.9	1915.2
7.5°	2326.5	2328.5	2316.3	2282.4	2226.8	2175.6	2172.4	2114.8	2056.6	1994.5	1948.5
10°	2474.3	2466.6	2446.8	2399.5	2333.6	2270.9	2268.3	2208.2	2141.0	2066.2	2004.8
12.5°	2572.8	2566.4	2540.8	2483.3	2411.0	2353.4	2348.3	2292.6	2227.4	2145.5	2071.9
15°	2627.2	2631.7	2597.1	2531.9	2461.5	2412.9	2408.4	2368.8	2310.6	2228.0	2143.6
17.5°	2634.2	2638.1	2604.8	2540.2	2482.6	2449.4	2447.4	2421.2	2379.0	2299.7	2211.4
20°	2593.3	2595.9	2568.3	2515.3	2477.5	2467.3	2466.6	2455.1	2423.8	2353.4	2267.7
22.5°	2533.8	2535.7	2515.9	2477.5	2464.7	2480.7	2485.2	2480.7	2458.3	2392.4	2311.8
25°	2519.1	2517.8	2497.3	2458.3	2469.2	2503.1	2508.9	2510.8	2495.4	2437.8	2368.1
27.5°	2590.1	2585.6	2546.6	2483.9	2490.9	2531.9	2539.6	2558.1	2548.5	2498.0	2432.1
30°	2795.4	2787.8	2707.8	2581.1	2546.6	2567.7	2577.3	2606.7	2608.6	2566.4	2517.2
32.5°	3142.1	3132.5	2989.3	2762.8	2640.6	2604.2	2613.1	2657.3	2680.9	2648.3	2595.2
35°	3580.3	3569.5	3381.4	3071.8	2798.0	2673.9	2680.3	2715.5	2762.8	2716.8	2646.4
37.5°	4037.1	4010.8	3829.8	3435.1	3048.1	2822.9	2822.9	2827.4	2849.8	2753.9	2706.5
40°	4491.2	4465.0	4301.3	3862.4	3371.8	3057.7	3043.0	2943.8	2925.9	2843.4	2827.4
42.5°	4913.4	4905.8	4809.2	4345.4	3751.8	3288.6	3268.2	3099.9	3103.8	3052.6	3053.2
45°	5362.5	5362.5	5283.8	4832.8	4194.4	3659.7	3639.2	3391.6	3430.0	3406.3	3463.3
47.5°	5729.0	5740.6	5729.7	5340.7	4709.4	4131.1	4094.0	3795.9	3903.4	3984.6	4150.3
50°	6103.3	6121.2	6123.1	5897.9	5331.8	4691.5	4649.2	4332.6	4572.5	4805.3	5130.9
52.5°	6646.4	6686.7	6526.1	6453.8	6094.3	5356.7	5315.2	5022.8	5423.3	5750.1	6311.2
55°	7149.8	7114.6	7000.1	7044.9	6910.5	6114.1	6082.8	5826.3	6371.3	6796.0	7524.6
57.5°	7422.3	7419.7	7534.9	7726.8	7790.8	7048.1	7021.8	6772.4	7440.2	7759.4	8663.9
60°	7742.1	7746.6	8031.9	8467.5	8731.1	8211.0	8199.5	8010.2	8478.4	8658.8	9557.6
62.5°	7786.9	7867.5	8358.8	9108.5	9611.3	9569.7	9595.3	9125.1	9407.2	9376.5	10224.8
65°	7272.0	7378.2	8267.3	9302.3	10486.4	11055.7	11079.4	10246.5	10139.7	9990.0	10463.4
67.5°	6216.5	6373.8	7339.8	8880.8	10774.9	12154.1	12187.3	11115.8	10747.4	10197.9	9888.9
70°	4523.9	4698.5	5670.8	7584.8	10260.6	12505.2	12543.0	11500.3	10770.4	9606.2	8442.0
72.5°	2732.7	2869.6	3671.2	5583.8	8660.1	11865.6	11932.7	11012.9	9833.3	8136.8	6233.8
75°	1200.1	1289.6	1775.1	3217.6	6199.8	9817.3	9901.1	9426.4	7989.7	5913.3	3684.6
77.5°	511.1	536.7	728.0	1397.7	3504.8	6708.4	6823.5	6887.5	5420.7	3217.6	1557.0
80°	318.6	328.8	412.0	632.7	1640.2	3767.8	3891.9	4052.4	2691.8	1182.8	543.7
82.5°	193.8	205.3	273.8	382.5	854.0	1708.0	1767.5	1880.7	1044.6	511.1	281.5
85°	116.4	124.7	167.6	241.8	486.2	671.7	671.0	742.0	491.9	328.8	148.4
87.5°	55.7	62.0	89.6	125.4	245.0	252.0	236.0	267.4	298.7	215.6	74.8
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-SA3D-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3	1904.3
2.5°	1903.1	1900.5	1892.2	1885.8	1884.5	1880.7	1877.5	1879.4	1882.0	1882.6	1882.6
5°	1902.4	1895.4	1884.5	1880.0	1885.8	1893.5	1903.1	1915.9	1923.5	1929.3	1933.1
7.5°	1933.1	1919.7	1907.5	1905.0	1916.5	1937.0	1958.7	1985.6	2004.1	2016.9	2019.5
10°	1984.3	1967.7	1955.5	1958.1	1978.6	2008.0	2038.7	2073.2	2101.4	2118.6	2119.9
12.5°	2043.2	2027.2	2015.7	2026.5	2060.4	2096.3	2128.2	2158.3	2183.9	2201.2	2201.2
15°	2111.0	2099.5	2086.0	2111.0	2157.0	2189.0	2202.4	2217.2	2231.2	2244.0	2241.5
17.5°	2176.2	2165.3	2158.3	2187.7	2235.7	2250.4	2241.5	2230.6	2230.6	2237.6	2238.9
20°	2232.5	2222.9	2227.4	2256.2	2281.1	2265.8	2232.5	2198.0	2183.9	2187.7	2191.6
22.5°	2281.8	2277.3	2290.7	2304.2	2286.2	2232.5	2171.1	2124.4	2107.1	2105.9	2107.1
25°	2339.3	2338.7	2355.3	2331.0	2251.7	2152.5	2070.0	2024.6	2015.0	2022.7	2035.5
27.5°	2411.0	2418.0	2426.3	2337.4	2181.3	2031.6	1947.8	1916.5	1926.1	1944.6	1956.8
30°	2502.5	2521.6	2503.7	2321.4	2080.3	1893.5	1813.5	1804.6	1830.8	1857.0	1869.8
32.5°	2591.4	2621.4	2577.9	2279.8	1949.8	1747.0	1684.9	1682.4	1714.4	1739.9	1757.9
35°	2663.0	2722.5	2633.6	2197.3	1798.8	1612.0	1566.6	1549.3	1560.8	1590.9	1611.4
37.5°	2756.4	2855.6	2672.0	2071.3	1635.0	1500.7	1447.6	1408.0	1397.7	1409.9	1420.1
40°	2927.2	3058.3	2689.9	1895.4	1475.1	1389.4	1335.7	1277.5	1237.2	1207.7	1208.4
42.5°	3206.1	3322.5	2678.4	1681.7	1327.4	1280.7	1219.9	1152.7	1087.5	1020.9	1015.8
45°	3659.0	3715.3	2643.8	1455.3	1197.5	1166.8	1109.9	1042.7	955.7	880.2	873.2
47.5°	4383.8	4259.0	2590.1	1257.6	1083.0	1070.2	1017.7	940.3	848.2	787.5	782.3
50°	5372.1	5043.9	2563.9	1100.3	981.9	985.8	942.9	861.0	774.0	729.2	724.1
52.5°	6554.2	5958.0	2614.4	978.7	900.7	914.1	882.1	805.4	732.4	697.3	692.1
55°	7780.5	6904.8	2668.8	890.4	823.9	850.1	839.3	775.9	710.1	677.4	673.0
57.5°	8830.2	7611.6	2560.0	818.8	755.5	796.4	806.0	757.4	698.5	669.1	664.0
60°	9491.0	7896.3	2274.7	751.6	701.1	753.6	786.8	752.3	703.0	700.5	696.6
62.5°	9804.5	7871.4	1846.8	698.5	667.2	735.0	800.9	781.1	754.2	777.2	779.1
65°	9663.8	7495.2	1375.3	663.4	642.9	742.0	843.1	835.4	768.9	791.9	795.1
67.5°	8737.5	6597.7	1018.4	632.7	616.0	761.9	919.9	853.3	740.1	756.8	746.5
70°	7062.1	5230.7	785.5	598.1	588.5	759.3	954.4	842.5	708.8	712.6	685.1
72.5°	4869.9	3566.9	639.0	566.1	548.9	692.1	930.1	815.6	682.5	653.1	616.7
75°	2648.3	1914.6	543.1	532.9	479.1	607.7	885.3	796.4	658.9	619.9	599.4
77.5°	1042.1	794.5	471.4	487.4	419.0	536.7	835.4	759.9	626.3	575.1	564.8
80°	425.4	405.6	390.8	421.6	360.1	469.5	775.3	717.1	587.2	533.5	513.0
82.5°	241.2	252.0	303.9	332.6	292.3	432.4	746.5	682.5	540.5	477.8	453.5
85°	123.5	147.8	211.7	238.6	214.9	367.8	687.7	597.5	433.7	365.9	367.8
87.5°	59.5	82.5	133.7	149.7	139.5	266.1	513.7	433.1	337.8	267.4	259.1
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 $\text{W}^\wedge/\text{nm}$	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)