

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: P323376

Luminaire Tested: **GLEON-SA2D-830-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA2D-830-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10449 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

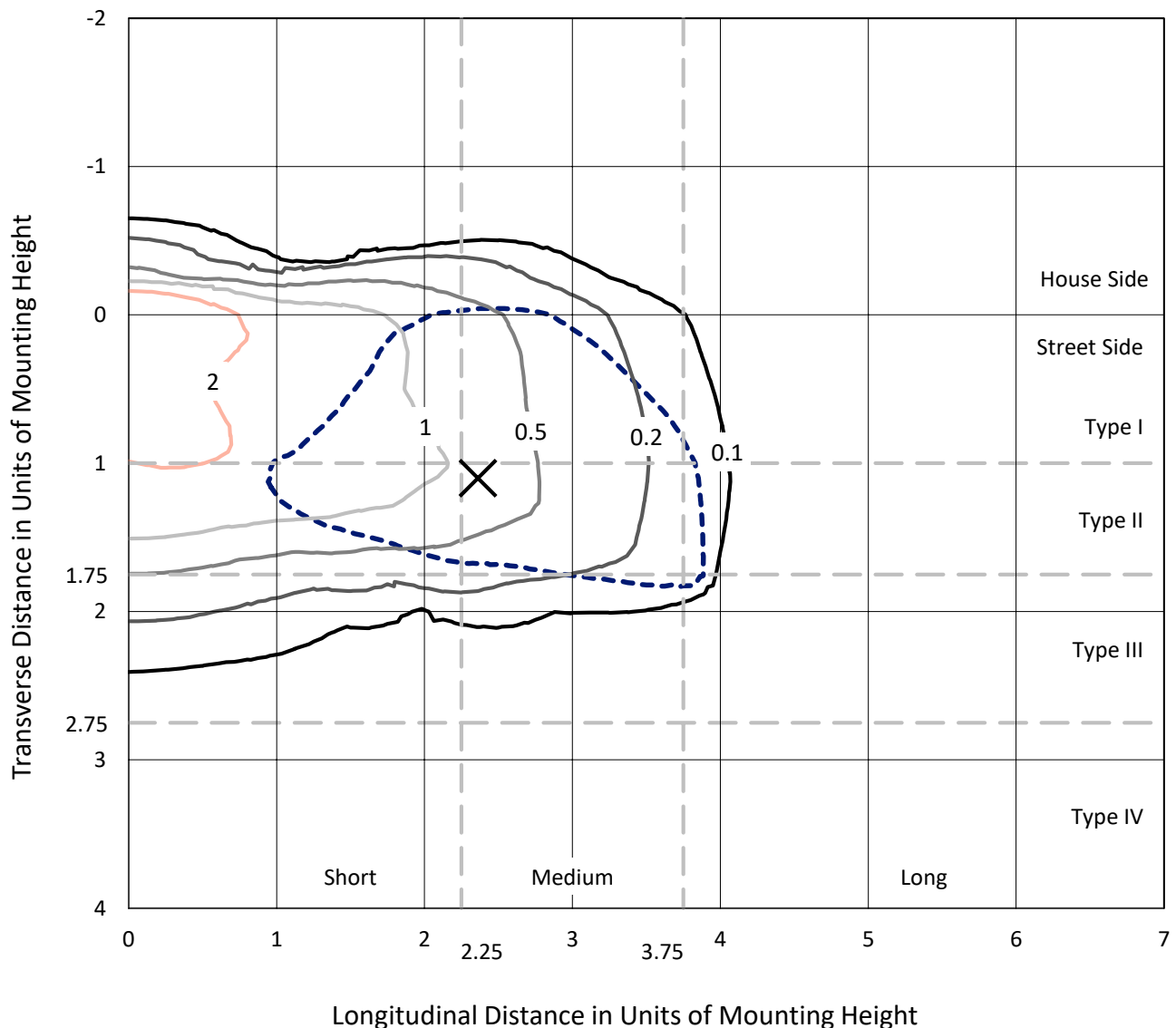
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

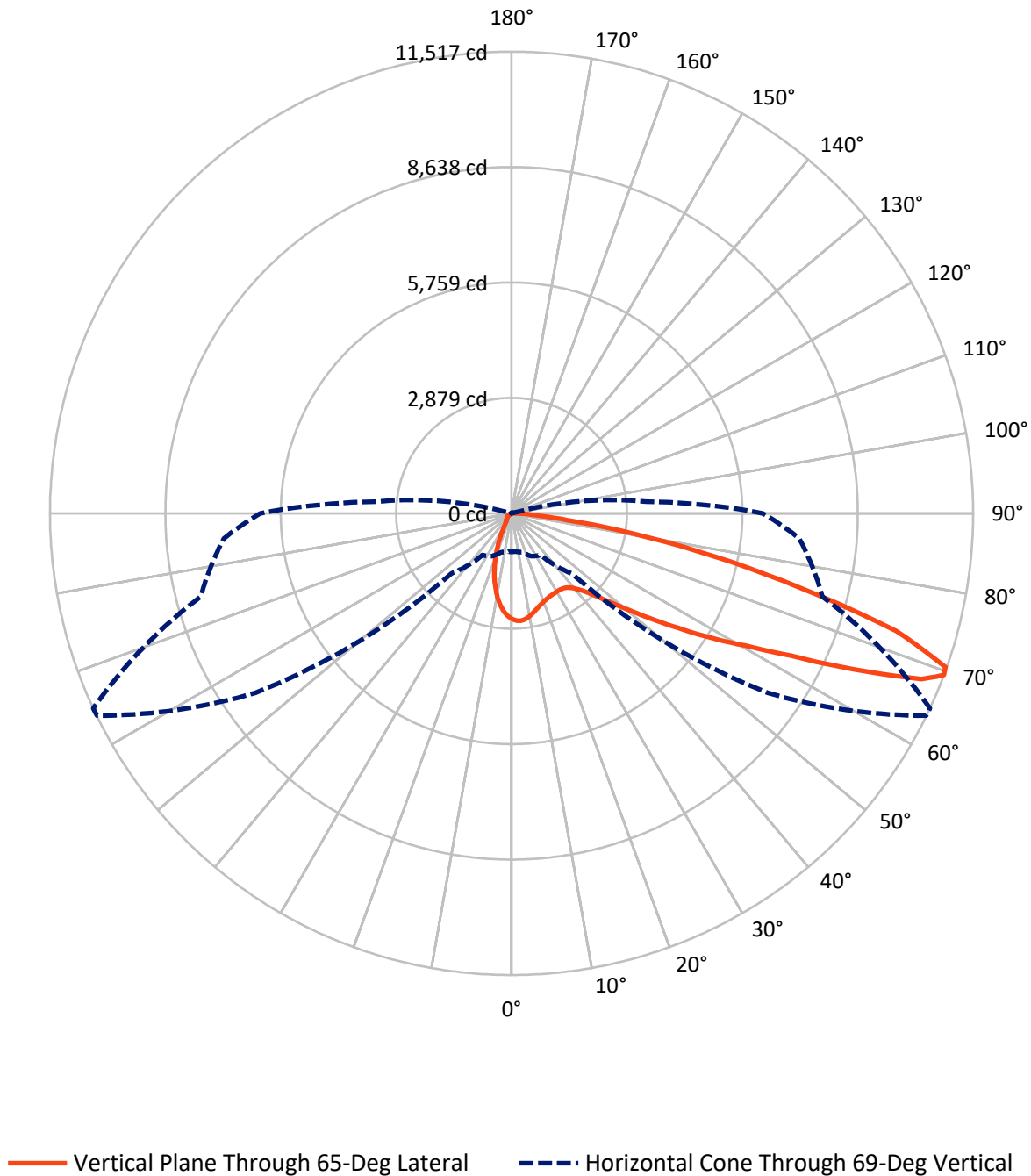
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1231.7	0.0	1231.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9217.3	0.0	9217.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	10449.0	0.0	10449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.8	2.1
10°-20°	483.3	4.6
20°-30°	669.4	6.4
30°-40°	933.4	8.9
40°-50°	1450.8	13.9
50°-60°	2329.2	22.3
60°-70°	2634.7	25.2
70°-80°	1547.4	14.8
80°-90°	180.0	1.7
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°	10449.0	100.0
0°-180°	10449.0	100.0

Coefficient of Utilization



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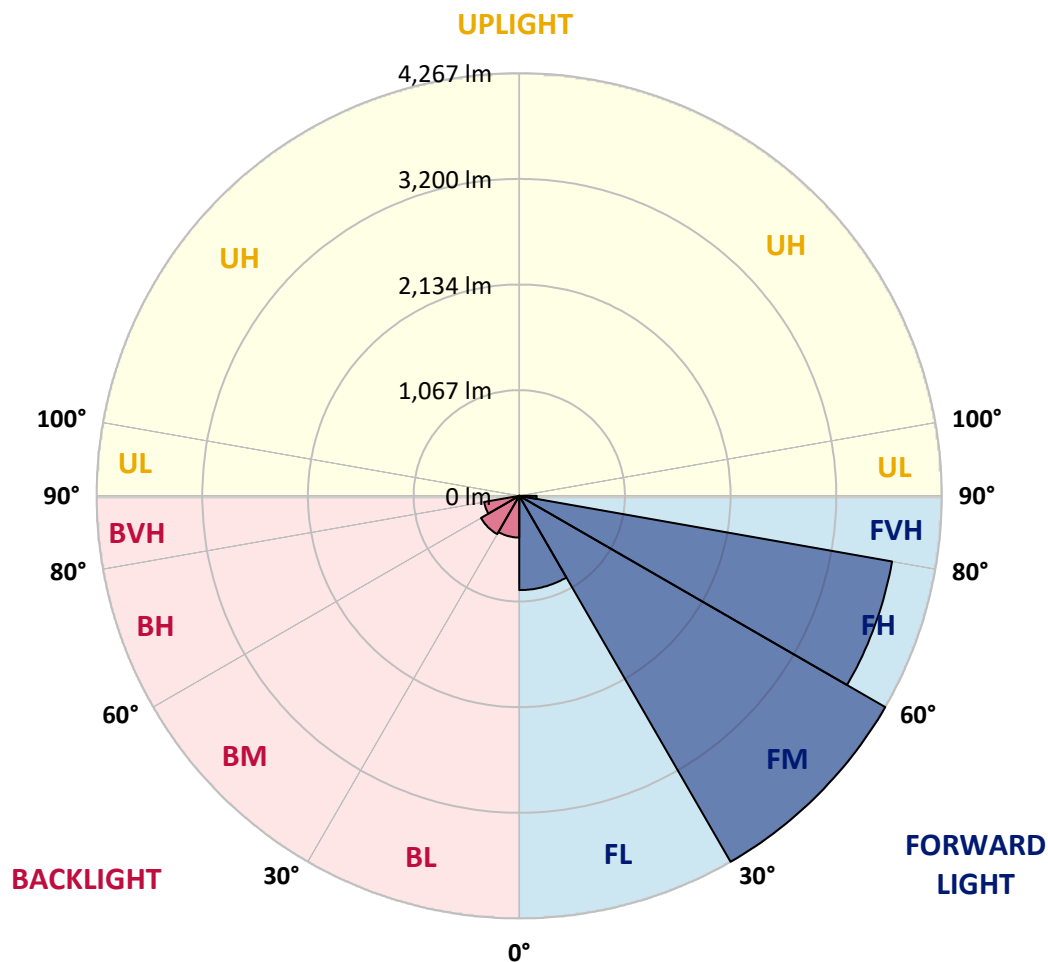
CATALOG NUMBER: GLEON-SA2D-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	952.1	9.1			
FM	(30°-60°)	4267.1	40.8			
FH	(60°-80°)	3822.1	36.6			G2/5000
FVH	(80°-90°)	175.9	1.7			G2/225
BL	(0°-30°)	421.4	4.0	B1/500		
BM	(30°-60°)	446.3	4.3	B1/1000		
BH	(60°-80°)	359.9	3.4	B1/500		G1/500
BVH	(80°-90°)	4.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CATALOG NUMBER: GLEON-SA2D-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5
2.5°	2663.9	2657.3	2662.6	2674.1	2679.8	2679.8	2684.3	2678.9	2680.7	2667.9	2649.3
5°	2497.2	2487.1	2501.6	2533.9	2573.7	2607.8	2658.2	2684.7	2687.3	2687.8	2666.1
7.5°	2317.7	2308.4	2330.1	2368.1	2419.4	2482.6	2570.6	2647.6	2652.0	2693.5	2677.6
10°	2171.8	2165.2	2190.4	2231.1	2291.2	2361.9	2469.8	2576.8	2589.6	2681.6	2675.9
12.5°	2056.0	2050.7	2074.5	2121.4	2182.9	2261.1	2373.9	2498.1	2515.4	2654.6	2667.0
15°	1971.5	1970.6	1990.5	2035.6	2103.7	2176.7	2292.1	2425.2	2445.1	2625.4	2665.7
17.5°	1927.3	1928.6	1943.2	1981.7	2040.0	2112.6	2223.1	2363.7	2385.4	2599.4	2672.3
20°	1922.9	1924.2	1932.2	1953.8	2001.1	2065.3	2166.9	2312.0	2334.5	2579.9	2682.9
22.5°	1961.8	1960.9	1963.1	1960.9	1987.4	2036.1	2129.8	2272.2	2298.3	2567.1	2691.3
25°	2036.5	2035.2	2034.3	2017.9	2000.3	2026.3	2114.3	2249.6	2274.4	2557.8	2696.2
27.5°	2140.4	2139.5	2138.2	2111.2	2058.2	2041.8	2116.1	2241.2	2262.0	2550.3	2695.3
30°	2277.0	2283.2	2281.5	2243.9	2161.2	2089.1	2134.7	2236.8	2254.9	2535.7	2686.0
32.5°	2437.5	2449.9	2459.6	2419.4	2315.9	2182.9	2177.6	2241.7	2254.9	2524.6	2669.2
35°	2604.2	2620.1	2656.0	2641.8	2505.6	2323.9	2251.4	2270.8	2281.9	2530.8	2661.3
37.5°	2768.3	2787.3	2865.1	2906.2	2754.1	2510.5	2366.4	2342.9	2348.7	2568.4	2670.1
40°	2958.8	2987.6	3105.6	3171.9	3050.8	2760.3	2538.3	2466.7	2468.9	2651.1	2711.2
42.5°	3209.1	3238.7	3366.5	3470.4	3385.1	3076.0	2771.8	2656.0	2653.7	2805.8	2808.1
45°	3514.2	3545.1	3677.3	3792.7	3754.2	3450.0	3070.7	2932.3	2929.6	3049.9	2991.5
47.5°	3859.9	3890.4	4008.5	4127.4	4169.0	3886.9	3451.4	3309.4	3303.3	3389.0	3275.0
50°	4156.6	4176.5	4285.3	4445.3	4632.8	4423.6	3924.9	3788.3	3781.7	3839.6	3691.0
52.5°	4264.5	4276.0	4386.5	4610.7	5078.5	5150.5	4547.0	4371.0	4366.2	4391.4	4245.0
55°	4046.1	4066.8	4202.6	4535.1	5319.9	5972.0	5332.2	5092.6	5055.9	5001.5	4824.2
57.5°	3450.9	3484.1	3630.0	4072.1	5207.1	6623.8	6486.2	5908.8	5854.9	5522.4	5295.1
60°	2585.7	2626.3	2747.5	3224.6	4605.4	6855.9	7747.2	6818.3	6696.7	5937.1	5728.0
62.5°	1774.3	1794.7	1876.9	2187.7	3391.7	6475.6	8802.2	8036.4	7814.4	6388.1	6196.2
65°	1355.2	1362.2	1395.8	1502.8	2019.7	5260.2	9221.8	9643.6	9375.2	6927.5	6682.1
67.5°	1092.1	1086.3	1132.8	1285.8	1352.5	3209.1	8732.3	11164.1	11038.6	7648.6	7171.1
69°	963.0	955.0	1002.3	1180.1	1270.3	2121.4	7806.5	11509.4	11517.4	8029.3	7204.7
70°	866.6	871.9	918.8	1117.3	1242.4	1665.1	6922.2	11421.4	11484.2	8171.7	7003.1
72.5°	578.8	592.9	687.1	927.6	1194.7	1260.1	4179.6	9801.0	10042.4	7851.1	6008.3
75°	326.3	336.9	448.8	699.5	1125.7	1200.0	2207.6	7220.6	7454.1	6565.4	4633.2
77.5°	160.1	165.8	253.8	451.4	941.3	1143.4	1252.2	4904.7	5171.3	4285.3	2620.6
80°	67.6	70.7	126.9	278.6	672.9	1091.2	929.8	3018.5	3051.7	1678.8	698.1
82.5°	26.1	27.0	53.5	173.8	427.6	850.7	777.7	1431.2	1396.7	316.1	159.2
85°	3.1	3.5	19.5	104.3	237.9	437.7	631.8	616.8	570.8	62.8	81.8
87.5°	0.0	0.0	1.3	31.8	70.7	205.2	328.5	256.0	230.8	20.3	42.4
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-SA2D-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5	2640.5
2.5°	2633.8	2629.4	2605.6	2571.1	2538.3	2497.7	2458.8	2435.3	2416.8	2404.4	2419.0
5°	2640.9	2621.5	2549.0	2456.1	2365.0	2262.4	2166.9	2086.0	2054.2	2018.8	2034.7
7.5°	2638.7	2602.0	2471.6	2306.2	2139.1	1966.2	1802.6	1676.6	1611.2	1547.1	1563.4
10°	2627.7	2565.8	2368.1	2123.2	1872.9	1624.4	1392.3	1215.9	1117.3	1028.0	1040.8
12.5°	2603.3	2517.1	2246.1	1913.6	1578.9	1251.3	979.3	753.4	632.3	578.8	585.4
15°	2588.7	2469.8	2117.0	1701.4	1265.0	871.5	598.7	445.2	390.0	372.3	374.5
17.5°	2581.7	2424.3	1983.5	1458.6	944.0	554.9	386.9	341.3	329.4	326.3	327.2
20°	2574.6	2378.3	1845.9	1218.5	650.4	373.2	317.9	304.6	300.2	296.2	297.1
22.5°	2562.7	2334.1	1698.3	975.4	438.6	302.9	286.5	273.7	264.4	259.5	260.4
25°	2548.1	2287.7	1547.5	726.4	320.1	270.1	254.7	236.5	225.5	216.7	217.1
27.5°	2524.6	2230.6	1391.9	528.8	268.8	241.9	221.1	201.2	182.6	172.4	172.4
30°	2491.9	2166.1	1219.0	378.5	241.0	214.0	188.8	164.0	144.1	134.9	134.0
32.5°	2455.7	2098.9	1044.3	287.0	218.9	187.9	159.2	133.1	115.4	107.9	107.4
35°	2424.7	2026.3	870.1	240.5	196.8	162.7	131.3	109.2	95.1	88.9	88.4
37.5°	2404.8	1953.8	700.4	214.9	176.9	139.3	110.1	90.2	80.0	75.2	74.7
40°	2401.7	1899.9	545.2	195.4	158.3	118.5	92.0	76.5	67.2	61.9	61.5
42.5°	2442.0	1868.9	418.3	179.1	139.3	100.4	78.3	65.4	55.7	50.4	50.0
45°	2547.6	1878.7	321.9	164.5	120.3	84.9	66.3	54.4	45.5	41.6	40.7
47.5°	2740.4	1945.9	256.0	149.9	102.1	72.1	56.6	45.1	37.6	33.6	33.2
50°	3083.5	2103.7	214.0	134.0	85.3	61.5	46.9	36.7	30.5	27.0	26.5
52.5°	3538.9	2384.9	191.0	118.5	70.7	52.2	38.5	29.2	23.9	21.2	20.8
55°	4041.2	2725.4	176.0	101.7	57.9	43.3	30.5	23.0	18.6	16.4	15.5
57.5°	4531.5	3020.3	161.8	85.3	48.2	35.4	24.3	18.1	14.6	12.4	11.9
60°	4982.1	3291.3	145.5	68.5	39.4	27.9	19.0	14.1	11.5	9.3	9.3
62.5°	5464.5	3500.9	122.9	53.5	32.3	21.2	15.5	12.8	9.3	8.0	7.5
65°	5975.6	3656.5	96.4	41.6	25.2	15.9	12.8	13.3	7.5	5.7	5.3
67.5°	6353.2	3625.6	71.2	32.7	19.5	12.4	12.4	14.1	6.6	4.4	4.0
69°	6270.0	3374.0	59.7	28.3	16.8	10.6	11.5	14.1	6.2	4.0	3.5
70°	6029.1	3095.4	52.6	25.2	15.0	9.7	11.1	13.7	5.7	4.0	3.5
72.5°	5021.0	2331.4	41.1	19.0	11.9	8.0	9.3	11.9	5.7	4.0	3.1
75°	3776.8	1492.2	31.4	13.7	8.8	6.2	7.1	8.8	5.7	3.5	3.1
77.5°	2055.1	538.1	22.5	9.3	6.2	4.9	4.9	6.6	5.3	2.7	1.8
80°	528.4	135.3	14.1	6.2	4.9	3.5	3.1	4.4	3.1	0.4	0.0
82.5°	130.4	30.5	7.5	4.4	3.5	1.3	1.3	2.2	1.3	0.0	0.0
85°	71.6	15.0	4.9	3.1	1.8	0.0	0.0	0.4	0.0	0.0	0.0
87.5°	36.7	4.4	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
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 $\text{W}^{\wedge}/\text{nm}$	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 ($R_{f,i}$)

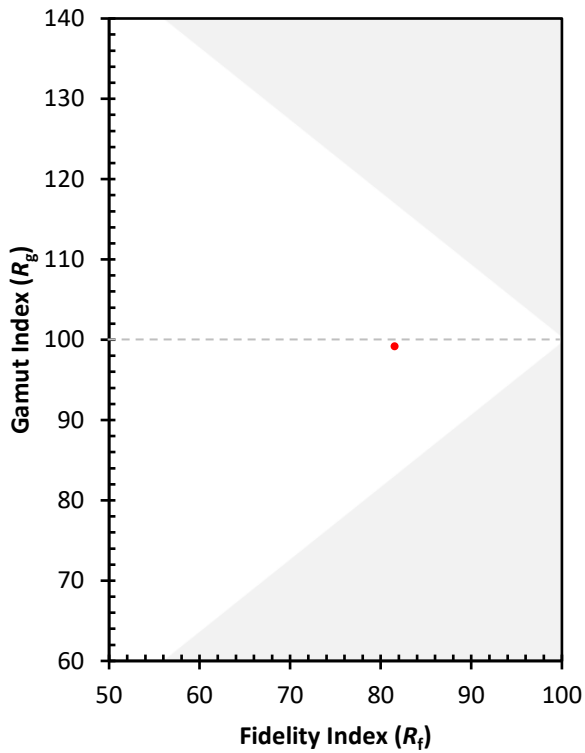
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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)