

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: P321436

Luminaire Tested: **GLEON-SA2B-830-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA2B-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7499 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

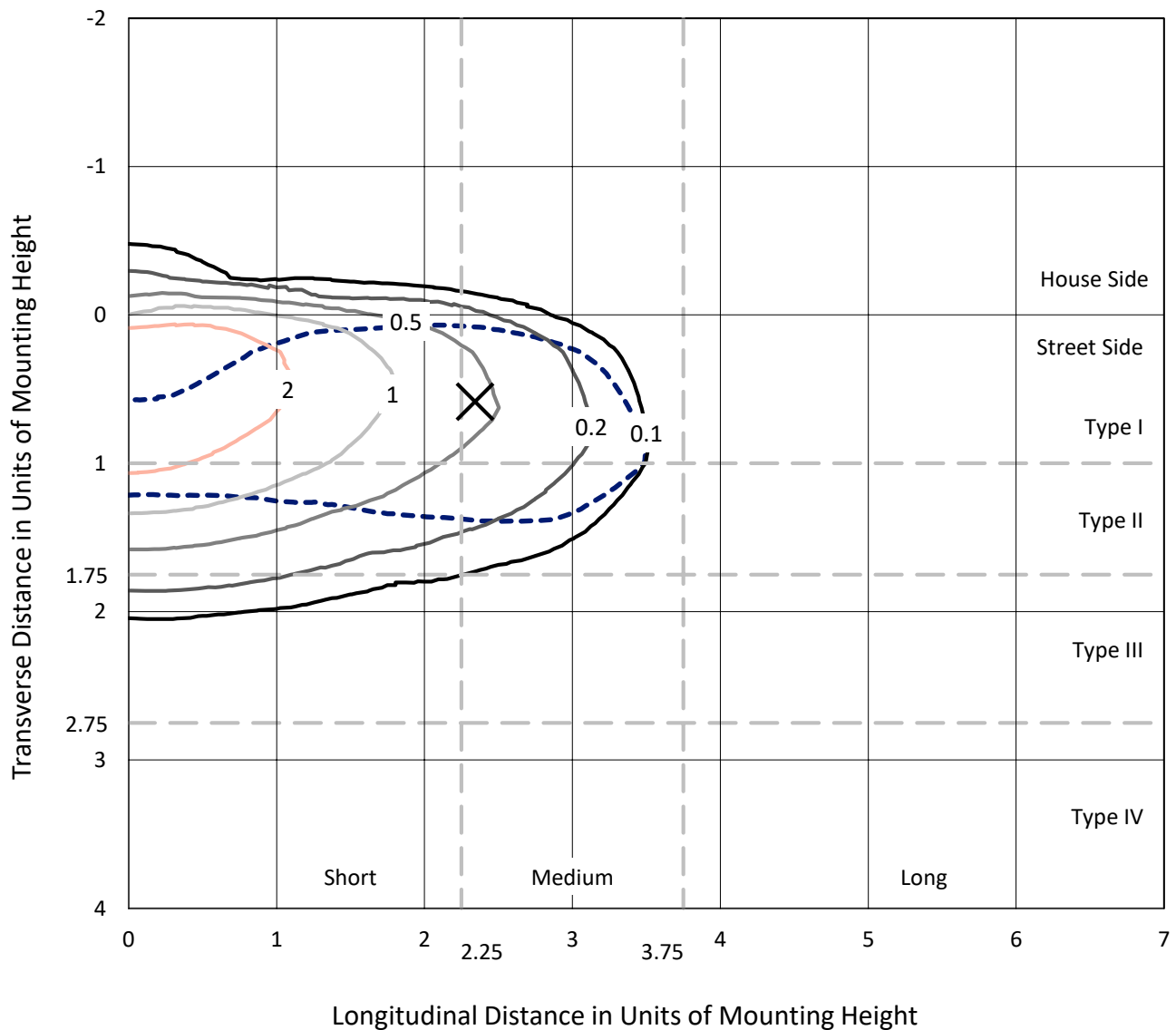
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

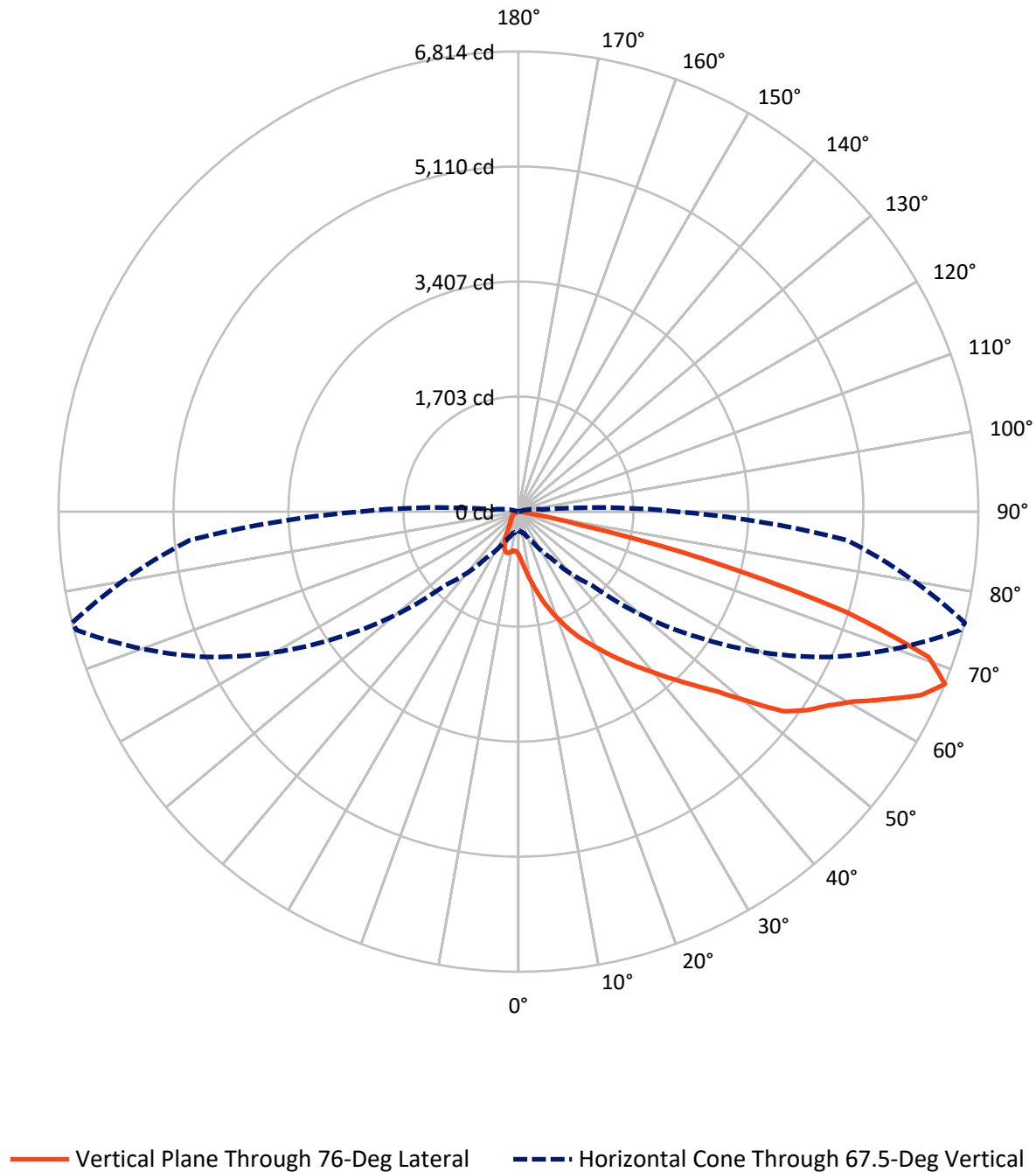
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	372.4	0.0	372.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	7126.6	0.0	7126.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	7499.0	0.0	7499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	1.1
10°-20°	313.6	4.2
20°-30°	638.0	8.5
30°-40°	1107.4	14.8
40°-50°	1564.6	20.9
50°-60°	1774.3	23.7
60°-70°	1471.6	19.6
70°-80°	533.1	7.1
80°-90°	17.3	0.2
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°	7499.0	100.0
0°-180°	7499.0	100.0

Coefficient of Utilization



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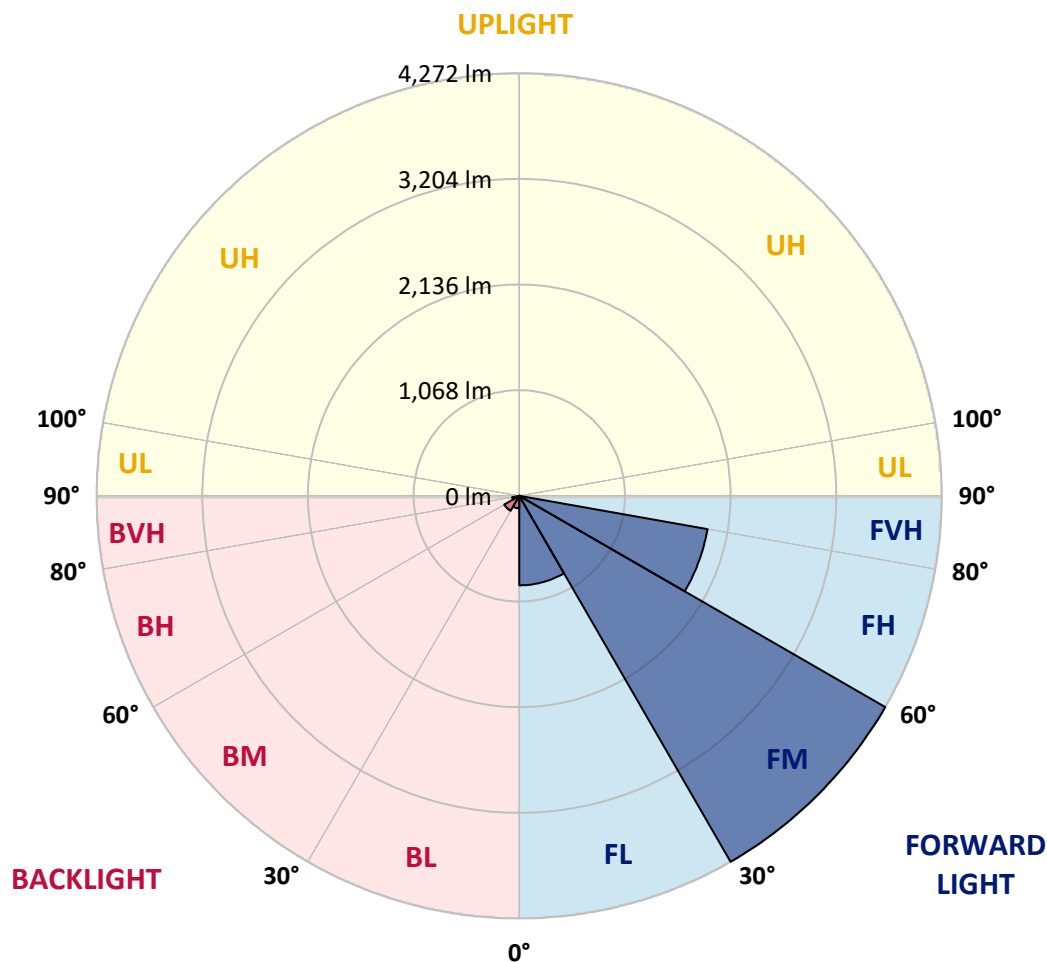
CATALOG NUMBER: GLEON-SA2B-830-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	905.1	12.1			
FM	(30°-60°)	4272.0	57.0			
FH	(60°-80°)	1932.7	25.8			G2/5000
FVH	(80°-90°)	16.7	0.2			G1/100
BL	(0°-30°)	125.6	1.7	B1/500		
BM	(30°-60°)	174.3	2.3	B0/220		
BH	(60°-80°)	72.0	1.0	B0/110		G0/110
BVH	(80°-90°)	0.5	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 II Medium



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CATALOG NUMBER: GLEON-SA2B-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1
2.5°	949.6	928.2	933.2	919.4	894.4	843.1	799.4	758.0	709.7	708.1	668.3
5°	1280.5	1262.4	1260.1	1232.2	1186.8	1099.8	1015.0	918.4	810.6	802.7	718.3
7.5°	1580.8	1566.3	1561.1	1527.9	1443.5	1358.7	1248.3	1106.3	937.8	923.3	785.6
10°	1811.5	1804.6	1805.9	1782.2	1709.9	1631.1	1486.2	1305.1	1082.0	1059.7	866.5
12.5°	1986.3	1987.9	1999.7	1985.3	1944.9	1886.4	1731.6	1517.1	1241.7	1211.1	958.8
15°	2114.7	2123.0	2144.6	2162.7	2159.8	2109.2	1967.2	1732.3	1411.3	1377.4	1061.6
17.5°	2197.9	2207.1	2238.6	2278.7	2315.5	2303.7	2194.6	1939.9	1582.8	1543.7	1171.7
20°	2270.8	2281.7	2315.5	2368.4	2437.1	2451.9	2380.2	2141.4	1754.0	1706.3	1285.4
22.5°	2428.9	2428.5	2449.2	2480.1	2545.5	2583.6	2538.3	2328.3	1923.2	1873.6	1401.4
25°	2714.7	2703.9	2696.7	2672.3	2686.8	2710.5	2685.2	2503.1	2093.4	2043.1	1519.0
27.5°	3054.5	3061.1	3002.6	2937.2	2886.6	2862.3	2820.9	2665.1	2257.0	2201.8	1634.0
30°	3413.0	3414.9	3345.9	3262.5	3151.1	3058.8	2987.1	2819.9	2425.3	2365.1	1745.7
32.5°	3736.3	3723.5	3655.1	3541.4	3400.8	3297.0	3148.1	2992.7	2603.3	2545.2	1870.0
35°	3992.6	3977.5	3894.3	3790.8	3644.9	3540.5	3361.4	3165.2	2790.6	2733.8	1994.5
37.5°	4179.9	4162.1	4076.7	3970.2	3844.4	3783.6	3608.8	3352.8	2995.0	2933.9	2125.6
40°	4244.9	4229.5	4175.9	4098.1	3996.9	3983.1	3871.3	3568.7	3217.5	3152.4	2274.1
42.5°	4206.2	4191.0	4172.0	4145.7	4103.6	4116.8	4119.1	3814.8	3464.6	3400.5	2438.1
45°	4052.4	4038.9	4058.6	4097.1	4149.3	4214.4	4345.2	4079.3	3740.6	3672.2	2627.7
47.5°	3826.0	3816.1	3870.7	3966.6	4119.4	4298.8	4551.8	4357.3	4050.4	3987.0	2864.2
50°	3504.0	3502.3	3611.4	3786.6	4021.5	4339.6	4765.4	4673.4	4480.9	4414.2	3193.1
52.5°	3002.6	3005.9	3220.4	3500.7	3849.7	4312.0	4902.8	5079.5	4981.6	4912.3	3478.0
55°	2525.1	2544.9	2697.0	3101.1	3586.1	4209.4	4950.1	5269.1	5257.9	5192.2	3636.4
57.5°	2057.6	2093.4	2239.9	2617.5	3201.4	3973.2	4924.1	5351.3	5463.6	5413.4	3845.4
60°	1550.9	1567.3	1736.2	2089.1	2707.5	3542.1	4735.8	5396.0	5744.9	5710.1	4148.7
62.5°	986.7	1027.8	1177.6	1518.0	2108.2	2943.4	4418.4	5395.3	6096.8	6115.9	4540.0
65°	519.8	567.8	647.3	940.7	1448.7	2274.8	3941.0	5344.7	6528.6	6555.2	4845.9
67.5°	280.3	294.1	336.1	488.3	840.2	1541.0	3239.5	5095.0	6778.6	6813.8	4888.6
70°	205.0	212.6	228.4	270.1	422.9	895.1	2363.8	4528.8	6456.3	6443.1	4343.5
72.5°	157.4	169.2	181.0	197.8	243.1	477.8	1471.7	3546.4	5151.5	5064.7	3246.7
75°	124.2	126.2	142.9	158.0	182.4	272.1	653.5	2065.5	3144.2	2938.8	1683.6
77.5°	99.2	100.5	110.4	123.5	146.5	178.7	202.4	812.6	1003.8	895.7	365.4
80°	58.8	62.1	82.1	95.3	121.6	112.7	73.9	176.4	156.7	141.9	61.4
82.5°	32.9	35.5	46.3	75.2	84.8	53.9	36.8	47.6	36.8	35.8	17.4
85°	0.0	1.6	29.9	46.7	34.5	11.8	15.4	15.8	10.8	10.2	6.9
87.5°	0.0	0.0	9.2	8.9	1.3	2.0	3.6	5.3	4.3	4.3	3.6
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-SA2B-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1	636.1
2.5°	648.6	630.9	597.4	564.5	536.9	514.2	493.9	485.6	479.1	478.1	472.8
5°	677.5	641.7	577.6	525.1	489.9	464.9	443.6	430.4	420.3	416.3	412.7
7.5°	721.2	667.0	575.0	514.6	472.5	430.4	391.0	348.3	321.7	311.5	305.6
10°	774.5	700.5	584.9	511.6	438.0	349.3	283.9	229.7	207.7	200.4	198.5
12.5°	836.6	742.3	602.0	493.2	364.4	248.1	195.8	177.4	172.5	170.2	170.2
15°	907.9	787.9	614.1	440.0	269.4	187.6	169.5	161.0	155.7	152.8	153.1
17.5°	980.8	832.6	608.2	362.8	198.8	166.9	153.4	144.2	137.0	134.1	133.4
20°	1054.4	874.0	575.3	270.1	168.2	151.5	136.4	126.2	118.9	116.0	115.3
22.5°	1130.6	909.2	517.5	198.1	151.1	134.4	119.6	109.4	102.5	99.9	98.6
25°	1204.9	937.8	436.7	160.3	135.0	118.3	104.2	94.6	88.4	85.8	85.4
27.5°	1274.2	955.8	343.0	141.6	120.9	103.8	91.0	82.5	77.2	75.2	74.9
30°	1336.7	957.5	253.7	127.8	108.4	91.3	79.5	72.0	67.4	65.4	64.7
32.5°	1399.8	943.7	184.7	115.3	96.9	80.5	69.0	63.1	59.8	58.2	58.2
35°	1459.2	911.8	143.9	104.5	85.8	70.0	60.8	56.5	54.5	52.9	52.9
37.5°	1517.4	866.1	122.2	95.0	75.2	61.1	53.6	50.9	49.3	47.6	47.6
40°	1576.5	808.6	111.1	86.1	66.7	54.2	47.6	45.3	43.7	42.4	42.1
42.5°	1649.1	742.3	103.8	77.9	59.1	48.0	42.1	39.4	38.1	36.8	36.1
45°	1733.3	685.1	97.9	69.7	52.9	42.7	36.5	33.8	31.9	30.2	29.9
47.5°	1854.5	643.7	90.0	60.8	47.0	37.1	31.5	28.6	25.6	24.0	23.7
50°	2009.3	609.5	79.8	52.9	41.1	31.5	26.3	22.7	20.0	18.4	18.4
52.5°	2086.2	564.8	70.6	46.0	34.5	26.6	21.4	17.1	15.8	14.1	14.1
55°	2117.0	530.7	61.4	39.1	28.6	22.0	16.8	13.1	12.2	11.2	10.8
57.5°	2203.8	520.8	53.6	33.2	23.7	17.4	12.8	9.9	9.2	7.9	7.9
60°	2343.4	525.7	46.3	28.3	19.1	13.5	9.5	7.6	6.9	5.6	5.6
62.5°	2494.3	519.5	39.1	24.3	14.8	9.9	6.6	5.6	5.6	3.3	3.0
65°	2523.2	462.6	33.5	20.0	11.5	7.2	4.3	3.6	4.9	0.7	0.0
67.5°	2341.8	358.8	28.9	15.4	8.5	5.6	3.3	1.6	4.3	0.0	0.0
70°	1872.6	228.0	23.3	11.2	6.6	4.6	2.6	0.7	3.3	0.0	0.0
72.5°	1324.2	132.4	18.4	7.9	5.6	3.6	2.0	0.0	2.0	0.0	0.0
75°	669.6	70.6	11.5	5.9	4.3	2.6	1.3	0.0	0.3	0.0	0.0
77.5°	144.9	32.9	7.2	4.3	3.0	1.6	0.7	0.0	0.0	0.0	0.0
80°	31.5	14.5	4.6	2.6	1.6	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.5	7.6	2.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.2	3.9	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	1.3	0.3	0.3	0.0	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
 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 $\text{W}^\wedge/\text{nm}$	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

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



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)