

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: P324951

Luminaire Tested: **GLEON-SA7A-830-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA7A-830-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21442 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 226
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

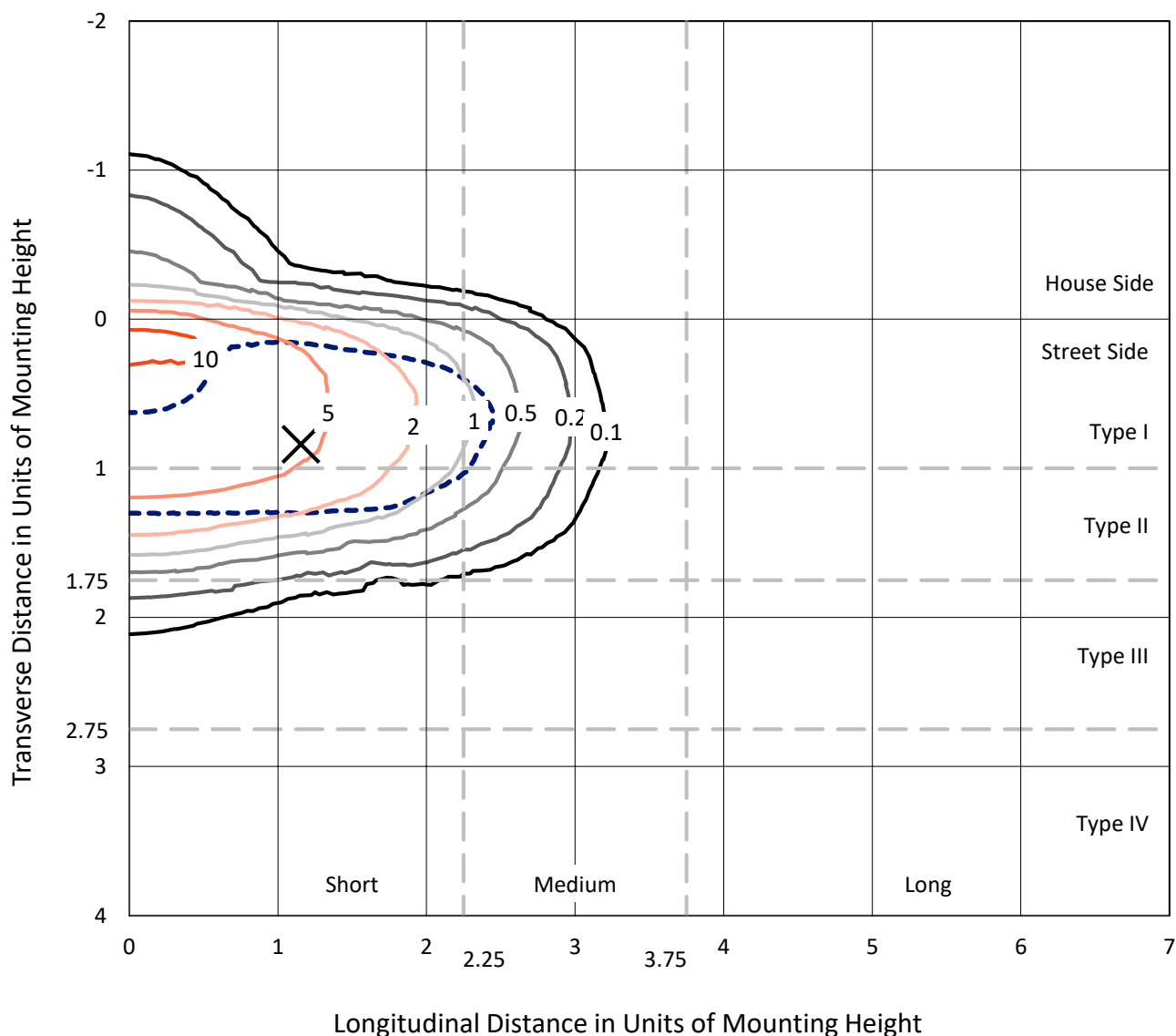


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

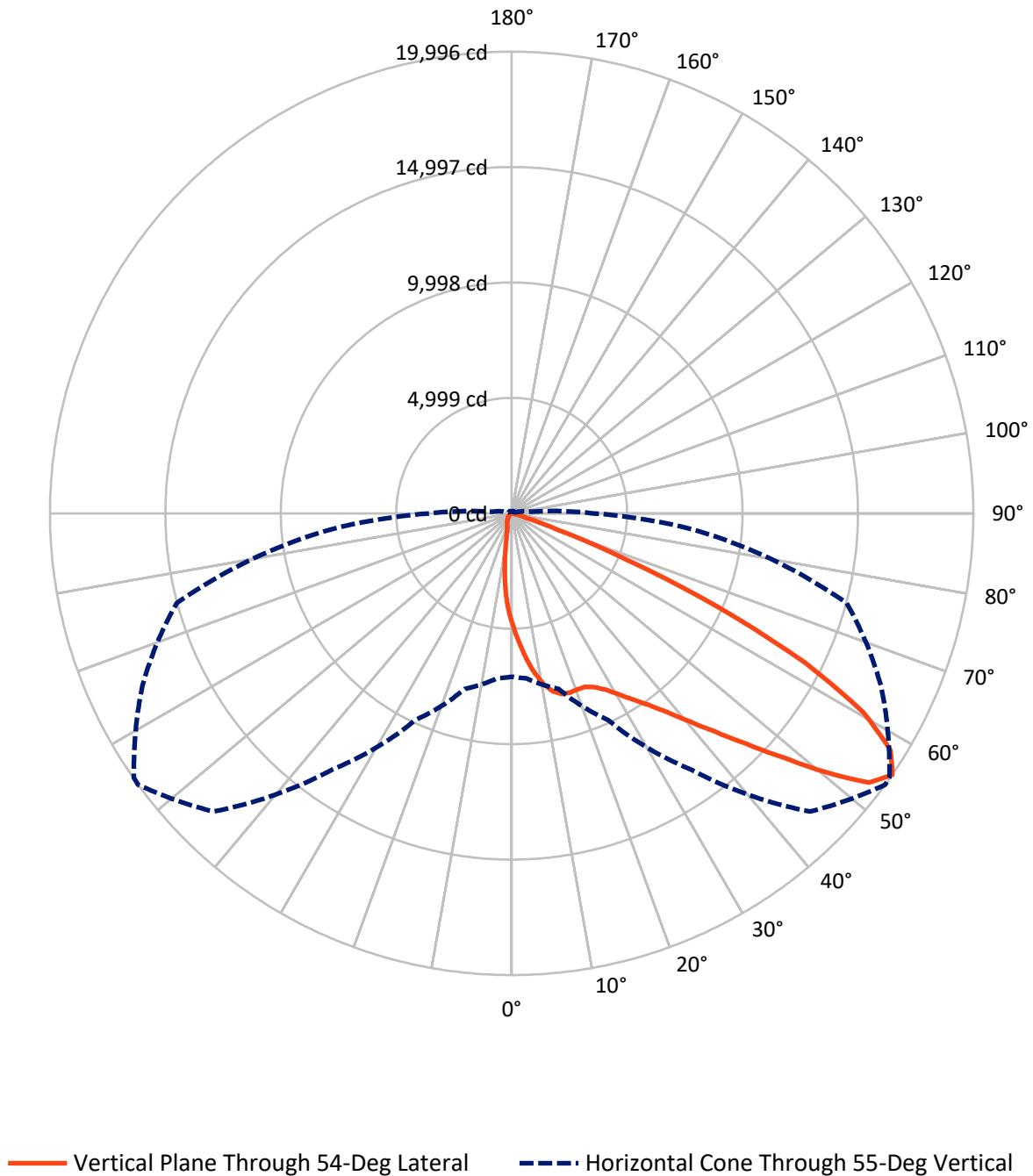
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.8	0.0	1069.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	20372.2	0.0	20372.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	21442.0	0.0	21442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.2	2.1
10°-20°	1212.8	5.7
20°-30°	2070.7	9.7
30°-40°	3323.1	15.5
40°-50°	5310.3	24.8
50°-60°	5690.1	26.5
60°-70°	2921.5	13.6
70°-80°	442.5	2.1
80°-90°	28.8	0.1
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°	21442.0	100.0
0°-180°	21442.0	100.0

Coefficient of Utilization



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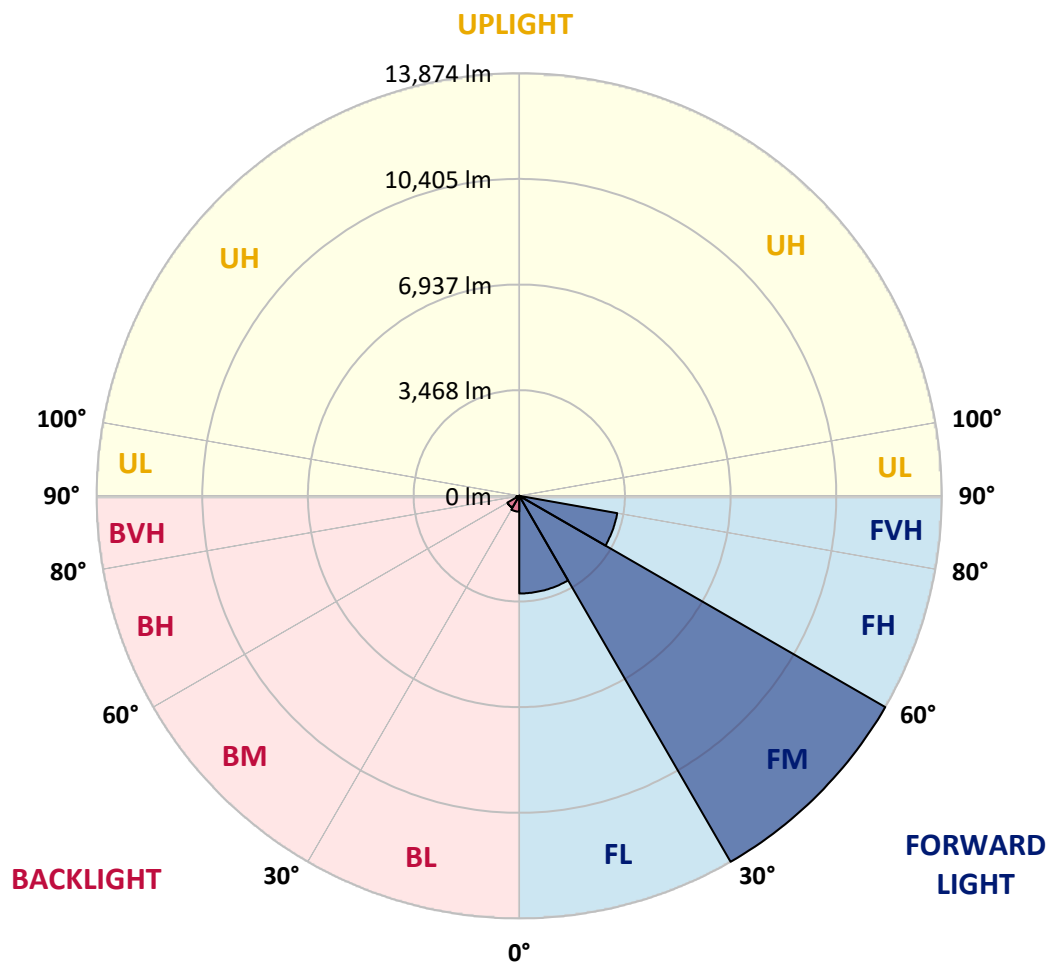
CATALOG NUMBER: GLEON-SA7A-830-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3205.2	14.9			
FM	(30°-60°)	13873.9	64.7			
FH	(60°-80°)	3265.4	15.2			G2/5000
FVH	(80°-90°)	27.7	0.1			G1/100
BL	(0°-30°)	520.5	2.4	B2/1000		
BM	(30°-60°)	449.6	2.1	B1/1000		
BH	(60°-80°)	98.6	0.5	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CATALOG NUMBER: GLEON-SA7A-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1
2.5°	6026.3	5936.5	5939.3	5898.5	5749.4	5632.8	5511.5	5482.7	5293.8	5095.7	4904.9
5°	7068.0	7002.3	6986.5	6907.8	6700.4	6481.0	6245.8	6191.1	5821.7	5416.1	5017.0
7.5°	7603.2	7604.2	7591.2	7562.5	7432.9	7219.9	6932.8	6875.4	6372.6	5764.2	5133.6
10°	7447.7	7482.9	7555.1	7650.5	7749.6	7722.7	7506.9	7455.1	6908.8	6132.8	5263.3
12.5°	7084.7	7089.3	7169.9	7326.4	7611.6	7904.2	7907.9	7890.3	7420.8	6518.0	5405.9
15°	6904.1	6921.7	6951.4	7052.3	7322.7	7791.2	8126.4	8151.4	7890.3	6927.3	5557.7
17.5°	7022.7	7047.7	7022.7	7034.7	7191.2	7612.5	8164.4	8228.3	8300.5	7331.9	5701.3
20°	7344.0	7367.1	7322.7	7273.6	7304.2	7560.7	8137.5	8223.7	8621.8	7691.2	5821.7
22.5°	7777.3	7786.6	7719.0	7638.4	7616.2	7736.6	8159.8	8248.7	8879.3	8016.2	5897.6
25°	8254.2	8262.5	8178.3	8085.7	8032.9	8082.0	8342.2	8408.9	9106.1	8326.4	5941.1
27.5°	8773.7	8781.1	8675.5	8561.6	8500.5	8502.4	8643.1	8714.4	9347.8	8680.2	5976.3
30°	9322.8	9319.1	9221.9	9063.5	8985.7	8983.9	9076.5	9148.7	9697.8	9133.9	6024.4
32.5°	9939.5	9932.1	9794.1	9597.8	9509.8	9522.8	9605.2	9646.9	10132.1	9617.3	6110.6
35°	10751.6	10730.3	10521.9	10278.4	10116.4	10111.7	10181.2	10214.5	10685.8	10202.5	6254.1
37.5°	11805.4	11785.9	11503.5	11149.8	10922.0	10836.8	10919.2	10961.8	11475.7	10953.5	6484.7
40°	12844.3	12824.9	12657.3	12333.2	11982.2	11777.6	11842.4	11887.8	12461.9	11864.6	6775.4
42.5°	13561.0	13577.7	13636.0	13662.9	13334.2	12904.5	12934.1	12981.4	13498.1	12838.8	7107.8
45°	13749.9	13786.0	14115.7	14762.9	14886.1	14550.9	14240.7	14266.6	14550.9	13812.9	7440.3
47.5°	13182.3	13249.0	13885.1	15088.9	16131.5	16368.6	15781.5	15747.3	15561.1	14600.9	7676.4
50°	11892.4	11953.5	12777.6	14558.3	16509.3	18103.9	17627.9	17527.0	16447.3	15072.2	7759.7
52.5°	10025.6	10099.7	10769.2	12887.8	15797.3	18878.0	19376.2	19291.9	17097.3	15109.3	7773.6
55°	7080.1	7169.9	7878.3	9877.5	13540.6	18262.2	19995.7	19970.7	17637.2	15011.1	7803.3
57.5°	3978.9	4043.8	4807.7	6331.9	9917.3	15906.5	19348.4	19514.2	17963.1	14840.7	7847.7
60°	1766.8	1784.4	2179.8	3152.0	5805.9	12156.3	17495.5	17775.2	17683.5	14612.9	7922.7
62.5°	979.7	964.9	964.9	1310.3	2523.3	7525.5	14266.6	14728.7	16489.9	14343.5	7926.4
65°	767.6	753.8	713.9	719.5	961.2	3340.0	9879.3	10700.7	14223.1	13553.6	7659.7
67.5°	651.0	638.9	599.1	583.4	597.3	1101.9	5428.1	6280.9	10792.3	11500.7	6634.7
70°	550.0	541.7	521.3	501.9	466.7	544.5	2077.0	2656.6	6650.4	7650.5	4529.0
72.5°	442.6	438.9	446.3	429.7	387.1	363.0	710.2	860.2	2987.2	3414.1	1865.9
75°	381.5	379.7	383.4	366.7	318.5	252.8	361.1	394.5	842.6	835.2	377.8
77.5°	248.2	250.9	317.6	310.2	274.1	168.5	187.0	201.9	255.6	191.7	114.8
80°	158.3	156.5	161.1	257.4	246.3	128.7	93.5	98.2	123.2	94.5	55.6
82.5°	96.3	94.5	105.6	120.4	124.1	89.8	57.4	58.3	76.9	61.1	29.6
85°	8.3	11.1	63.9	59.3	42.6	27.8	27.8	29.6	40.7	36.1	16.7
87.5°	0.0	0.0	11.1	16.7	9.3	10.2	10.2	11.1	15.7	15.7	8.3
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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CATALOG NUMBER: GLEON-SA7A-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1	4802.1
2.5°	4805.9	4709.5	4515.1	4328.0	4169.7	4016.9	3842.8	3670.6	3590.0	3557.6	3524.3
5°	4814.2	4616.0	4215.1	3811.3	3392.8	3015.9	2694.6	2365.0	2200.1	2127.9	2094.6
7.5°	4825.3	4523.4	3875.2	3197.4	2523.3	2012.2	1565.8	1278.8	1154.7	1135.3	1087.1
10°	4827.1	4411.4	3480.8	2519.6	1691.8	1213.0	933.4	785.2	730.6	721.3	705.6
12.5°	4830.9	4279.0	3042.8	1865.9	1127.8	811.2	675.0	626.0	611.1	610.2	610.2
15°	4842.0	4140.1	2588.1	1344.5	810.2	642.6	592.6	573.2	567.6	570.4	569.5
17.5°	4842.0	3976.2	2141.8	1001.9	654.7	577.8	550.0	537.1	535.2	538.0	538.9
20°	4806.8	3777.1	1732.5	779.7	580.6	536.1	511.1	499.1	494.5	496.3	497.3
22.5°	4722.5	3532.6	1399.2	645.4	531.5	498.2	471.3	452.8	445.4	446.3	446.3
25°	4591.0	3242.8	1094.5	558.4	491.7	457.4	426.0	404.7	400.0	399.1	401.0
27.5°	4422.5	2922.4	871.3	491.7	444.5	412.1	380.6	363.0	359.3	360.2	361.1
30°	4256.7	2590.0	687.1	435.2	391.7	361.1	337.1	328.7	328.7	331.5	332.4
32.5°	4104.9	2270.5	543.6	386.1	344.5	316.7	302.8	301.9	306.5	308.4	309.3
35°	3974.3	1975.1	450.0	348.2	307.4	283.4	278.7	282.4	288.0	291.7	292.6
37.5°	3881.7	1711.2	393.5	316.7	278.7	259.3	258.3	265.8	273.2	281.5	283.4
40°	3842.8	1488.1	354.7	288.9	255.6	240.8	238.0	248.2	262.1	274.1	275.9
42.5°	3810.4	1305.6	321.3	262.1	237.1	215.8	214.8	227.8	244.5	256.5	259.3
45°	3782.6	1159.3	290.8	233.3	213.0	185.2	188.0	204.6	217.6	230.6	233.3
47.5°	3725.2	1039.0	257.4	202.8	175.9	158.3	163.9	178.7	188.9	208.3	211.1
50°	3622.4	940.8	223.2	165.8	143.5	137.0	145.4	155.6	168.5	185.2	187.0
52.5°	3553.0	866.7	193.5	138.9	118.5	120.4	128.7	132.4	139.8	146.3	144.5
55°	3513.2	826.0	169.5	120.4	100.9	106.5	108.3	103.7	100.0	93.5	90.7
57.5°	3508.5	788.9	150.9	104.6	88.9	91.7	85.2	69.4	56.5	49.1	47.2
60°	3501.1	743.6	136.1	88.0	78.7	75.0	61.1	38.0	26.9	25.0	25.0
62.5°	3420.6	673.2	125.0	74.1	66.7	56.5	35.2	17.6	14.8	15.7	15.7
65°	3164.1	575.0	113.9	60.2	52.8	40.7	17.6	10.2	5.6	6.5	6.5
67.5°	2690.0	458.4	101.9	46.3	39.8	25.9	10.2	4.6	0.0	0.0	0.0
70°	1801.0	284.3	86.1	32.4	25.9	15.7	7.4	0.9	0.0	0.0	0.0
72.5°	690.8	153.7	69.4	19.4	16.7	11.1	4.6	0.0	0.0	0.0	0.0
75°	155.6	100.9	48.2	13.9	12.0	7.4	1.9	0.0	0.0	0.0	0.0
77.5°	59.3	73.2	27.8	9.3	8.3	4.6	0.0	0.0	0.0	0.0	0.0
80°	28.7	43.5	13.0	5.6	4.6	1.9	0.0	0.0	0.0	0.0	0.0
82.5°	14.8	16.7	5.6	2.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.3	8.3	2.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	2.8	0.9	0.9	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
 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 [^] /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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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)