

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: P323054

Luminaire Tested: **GLEON-SA0C-830-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA0C-830-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40323 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

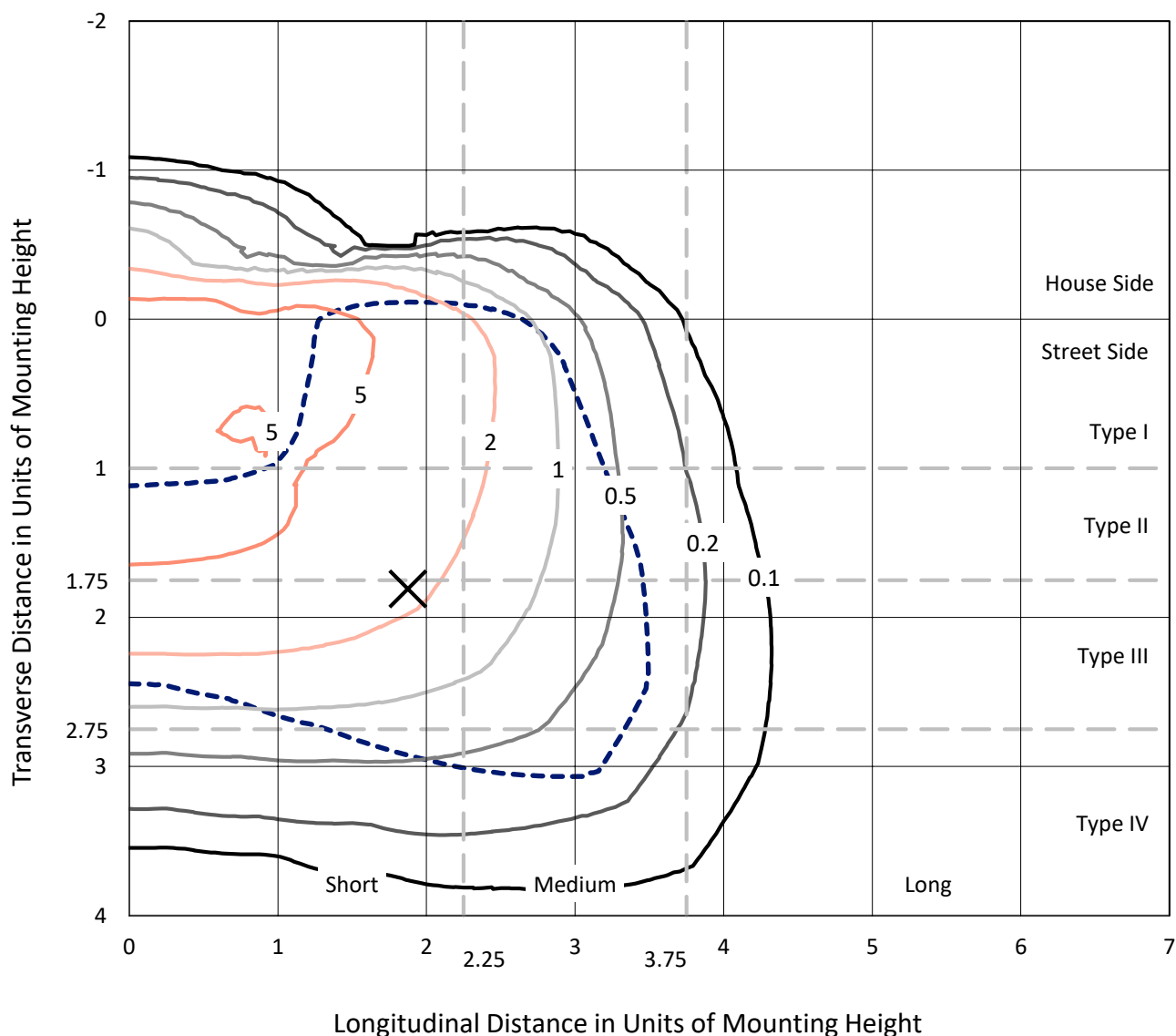
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

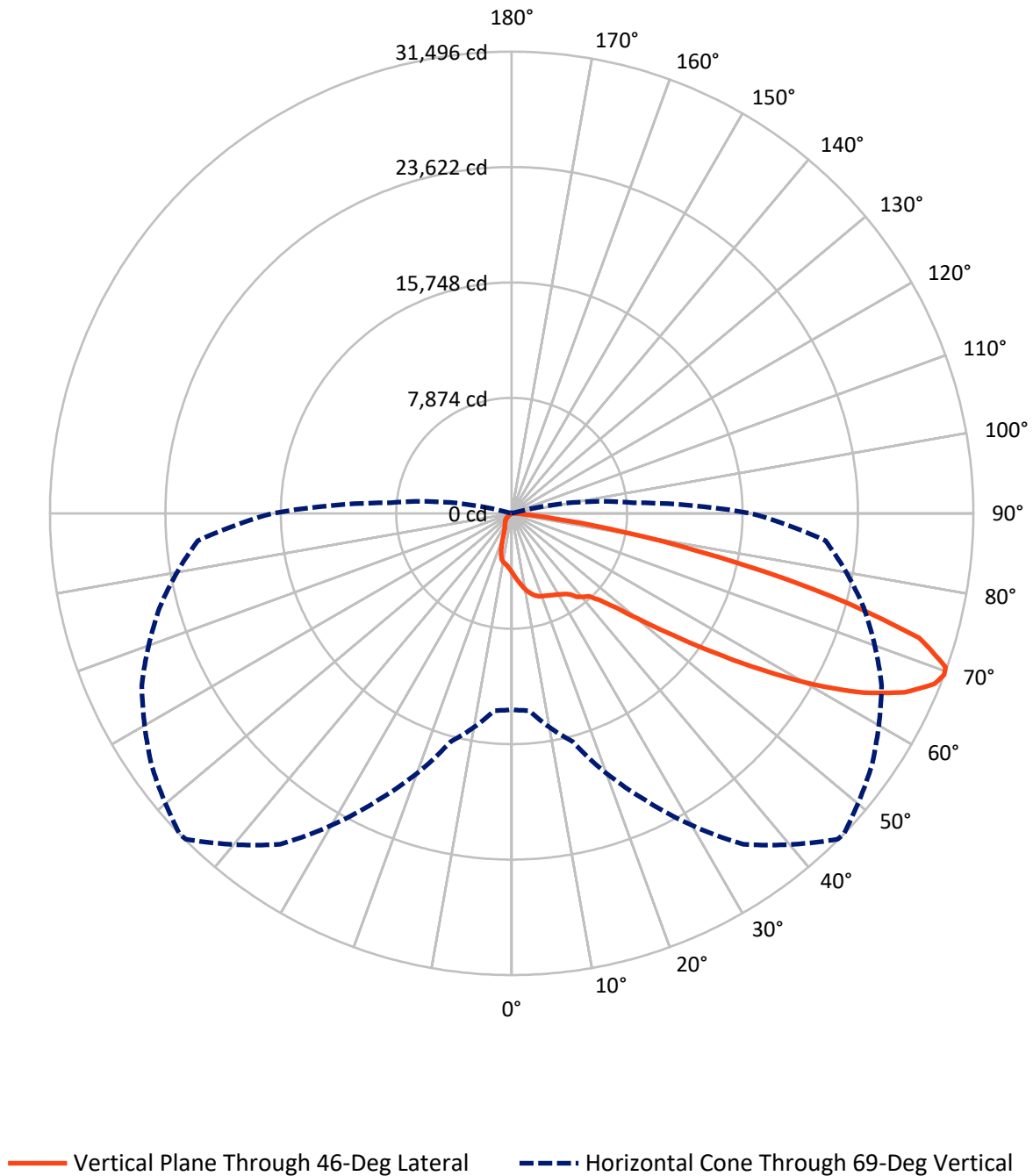
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4138.2	0.0	4138.2
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	36184.8	0.0	36184.8
	% Fixture	89.7	0.0	89.7
Total	Lumens	40323.0	0.0	40323.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.1	1.0
10°-20°	1220.0	3.0
20°-30°	1918.7	4.8
30°-40°	2751.4	6.8
40°-50°	4755.4	11.8
50°-60°	9394.7	23.3
60°-70°	13129.9	32.6
70°-80°	6343.2	15.7
80°-90°	407.7	1.0
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°	40323.0	100.0
0°-180°	40323.0	100.0

Coefficient of Utilization



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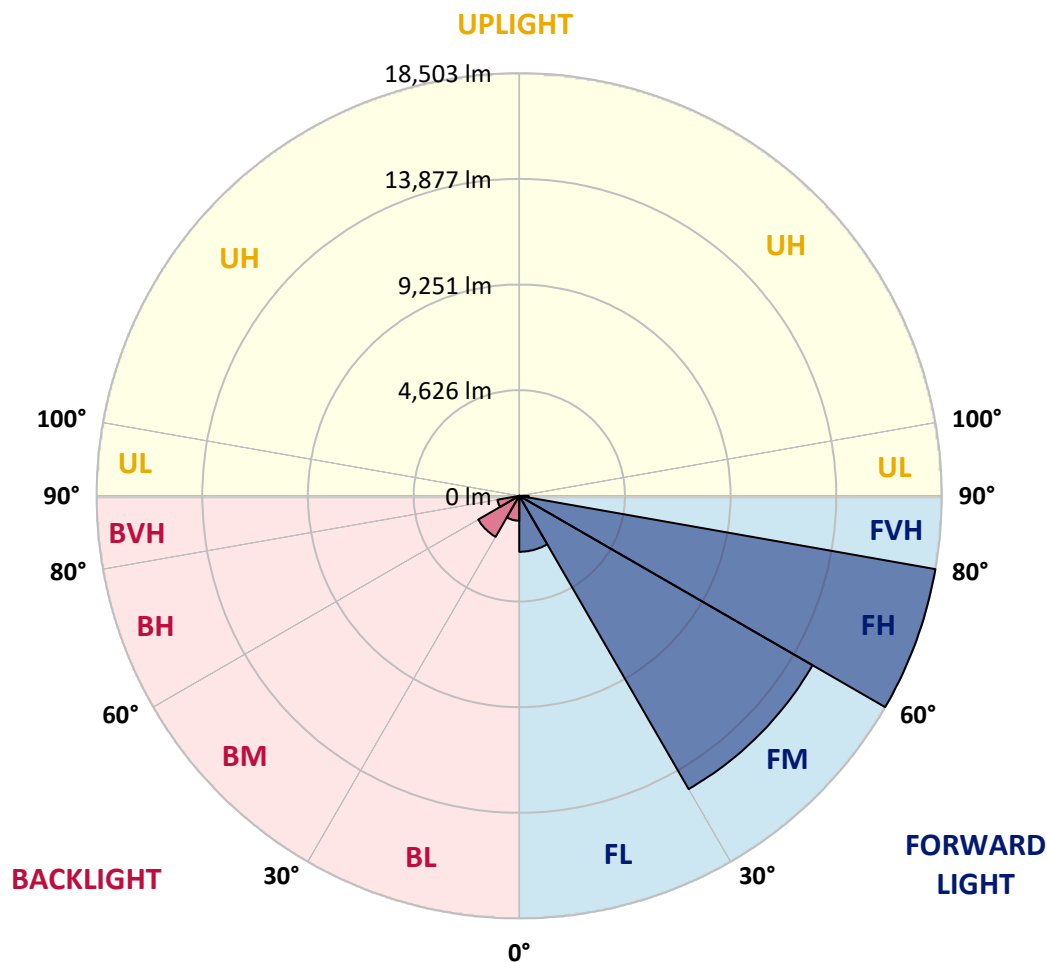
CATALOG NUMBER: GLEON-SA0C-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2450.1	6.1			
FM	(30°-60°)	14827.7	36.8			
FH	(60°-80°)	18502.7	45.9			G5
FVH	(80°-90°)	404.3	1.0			G3/500
BL	(0°-30°)	1090.7	2.7	B3/2500		
BM	(30°-60°)	2073.8	5.1	B2/2500		
BH	(60°-80°)	970.3	2.4	B2/1000		G2/1000
BVH	(80°-90°)	3.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2
2.5°	4488.3	4482.6	4456.1	4444.8	4380.5	4342.7	4327.6	4280.3	4212.3	4144.2	4068.6
5°	4998.7	4996.9	4947.7	4900.4	4779.4	4666.0	4645.2	4535.6	4382.4	4238.7	4095.0
7.5°	5520.6	5496.0	5446.8	5356.1	5180.2	4998.7	4981.7	4826.7	4609.3	4401.3	4195.2
10°	5963.0	5947.8	5883.5	5745.5	5539.5	5333.4	5312.6	5121.6	4875.9	4620.6	4357.8
12.5°	6307.0	6295.7	6210.6	6038.6	5819.3	5605.6	5577.3	5407.1	5144.3	4858.8	4548.8
15°	6516.9	6511.2	6407.2	6223.9	6008.3	5823.1	5798.5	5649.1	5405.2	5106.5	4756.8
17.5°	6566.1	6567.9	6460.2	6274.9	6097.2	5964.8	5945.9	5832.5	5628.3	5331.5	4964.7
20°	6456.4	6479.1	6382.7	6222.0	6112.3	6042.4	6027.2	5959.2	5787.1	5507.3	5131.1
22.5°	6301.4	6312.7	6246.5	6138.8	6093.4	6106.6	6099.1	6061.3	5915.7	5658.6	5295.6
25°	6206.8	6206.8	6167.1	6076.4	6106.6	6187.9	6189.8	6182.3	6066.9	5843.8	5496.0
27.5°	6203.1	6191.7	6146.3	6078.3	6161.5	6286.2	6293.8	6344.9	6273.0	6068.8	5745.5
30°	6354.3	6341.1	6244.7	6155.8	6261.7	6395.9	6414.8	6526.4	6490.4	6312.7	6023.5
32.5°	6707.9	6660.6	6446.9	6301.4	6380.8	6541.5	6566.1	6743.8	6800.5	6613.3	6291.9
35°	7191.8	7042.5	6734.3	6577.4	6585.0	6753.2	6775.9	7036.8	7205.1	6889.3	6499.9
37.5°	7859.2	7785.5	7284.5	6864.8	6898.8	7154.0	7220.2	7503.8	7456.5	7040.6	6736.2
40°	9322.6	9207.2	8674.1	7670.2	7199.4	7479.2	7500.0	7651.3	7655.0	7382.8	7227.8
42.5°	11315.2	11268.0	10706.5	9131.6	7791.2	7696.6	7734.4	7989.7	8275.2	8105.0	8097.4
45°	13521.6	13497.0	12901.5	11071.4	8987.9	8409.4	8456.7	8798.9	9345.2	9383.1	9623.2
47.5°	15296.9	15285.5	14943.3	13236.1	10819.9	9617.5	9632.6	9995.6	10956.0	11430.6	11814.4
50°	16915.2	16970.0	16699.7	15578.6	13315.5	11510.0	11474.1	11716.1	13258.8	14035.8	14512.3
52.5°	19165.0	19242.5	18484.4	17764.1	15934.0	13858.1	13829.7	14083.1	16026.6	16608.9	16694.0
55°	21152.0	21019.7	20420.4	20212.4	19127.2	16758.3	16750.7	16973.8	18703.7	18951.4	19108.3
57.5°	22029.3	21978.2	22267.5	22743.9	22471.7	20185.9	20168.9	19998.8	21099.1	21125.6	21607.7
60°	22583.2	22645.6	23532.3	25001.3	25680.0	23874.5	23764.9	22726.9	23386.7	23328.1	23844.3
62.5°	22167.3	22290.2	23885.9	26334.2	28081.1	27094.2	26939.2	25226.3	25341.6	25139.3	25619.5
65°	19959.1	20150.0	22764.7	26082.7	29272.2	29610.6	29453.7	27432.6	26893.8	26561.1	26294.5
67.5°	16206.2	16319.7	19049.7	23895.3	28735.2	31111.7	31079.6	29366.7	28066.0	26320.9	24252.6
69°	13393.0	13504.6	16132.5	21592.6	27553.6	31433.1	31495.5	29986.8	27842.9	24861.4	21488.6
70°	11343.6	11462.7	13911.0	19618.8	26182.9	31283.8	31395.3	29928.2	27203.9	23171.2	19062.9
72.5°	5949.7	6051.8	8564.4	13515.9	21344.9	28725.8	29064.2	27398.6	23059.7	16828.2	11271.8
75°	1869.8	1928.4	3344.5	7065.2	14614.3	22335.6	22413.1	21492.3	16374.5	9256.4	4694.4
77.5°	712.8	695.7	1113.6	2603.4	7388.5	14064.2	14538.7	13430.8	8592.8	3272.6	1083.3
80°	383.8	385.7	578.5	1077.6	3161.1	7227.8	7628.6	6509.3	3053.3	1020.9	249.6
82.5°	166.4	173.9	325.2	571.0	1452.0	2665.7	2866.2	2385.9	1166.5	686.3	92.6
85°	35.9	39.7	156.9	310.1	591.8	748.7	784.6	773.3	743.0	533.1	35.9
87.5°	0.0	0.0	70.0	111.5	149.4	170.2	149.4	194.7	410.3	359.2	18.9
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-SA0C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2	4040.2
2.5°	4044.0	4010.0	3951.4	3887.1	3841.7	3794.4	3756.6	3739.6	3720.7	3707.5	3724.5
5°	4036.4	3970.3	3856.8	3747.2	3667.8	3603.5	3550.5	3529.8	3509.0	3493.8	3491.9
7.5°	4102.6	4010.0	3836.0	3675.3	3552.4	3465.5	3393.6	3363.4	3338.8	3327.5	3318.0
10°	4229.3	4110.2	3877.6	3667.8	3509.0	3361.5	3206.5	3087.4	3009.8	2973.9	2960.7
12.5°	4393.8	4244.4	3957.0	3707.5	3476.8	3193.2	2864.3	2580.7	2397.3	2336.8	2300.9
15°	4586.6	4401.3	4061.0	3758.5	3359.6	2841.6	2283.8	1913.3	1743.1	1709.1	1671.3
17.5°	4771.9	4567.7	4185.8	3768.0	3102.5	2270.6	1673.2	1421.7	1355.6	1378.2	1383.9
20°	4934.5	4732.2	4308.7	3684.8	2635.5	1703.4	1295.1	1232.7	1257.2	1300.7	1308.3
22.5°	5099.0	4891.0	4422.1	3465.5	2038.1	1293.2	1166.5	1181.6	1206.2	1249.7	1257.2
25°	5299.4	5083.8	4528.0	3062.8	1529.5	1100.3	1107.9	1130.6	1155.2	1194.9	1198.6
27.5°	5530.0	5327.7	4597.9	2539.1	1134.4	1011.5	1036.0	1070.1	1094.7	1132.5	1140.0
30°	5836.3	5649.1	4620.6	1996.5	951.0	932.1	943.4	985.0	1020.9	1055.0	1060.6
32.5°	6123.7	5966.7	4545.0	1506.8	881.0	858.3	858.3	882.9	924.5	956.6	964.2
35°	6388.3	6286.2	4303.0	1102.2	828.1	790.3	771.4	771.4	797.8	824.3	831.9
37.5°	6738.1	6734.3	3911.7	879.1	777.0	733.6	693.9	663.6	654.1	659.8	663.6
40°	7337.4	7343.1	3401.2	788.4	733.6	674.9	614.4	559.6	508.6	491.6	489.7
42.5°	8273.3	8188.2	2866.2	744.9	695.7	614.4	523.7	450.0	370.6	346.0	344.1
45°	9759.3	9254.5	2299.0	705.2	656.0	546.4	432.9	332.7	268.5	249.6	249.6
47.5°	11924.0	10655.4	1780.9	661.7	603.1	468.9	327.1	240.1	196.6	187.2	189.1
50°	14162.5	12028.0	1365.0	606.9	538.8	387.6	242.0	173.9	149.4	149.4	151.2
52.5°	16147.6	13033.8	1064.4	548.3	459.4	304.4	183.4	136.1	124.8	122.9	124.8
55°	18006.1	13682.3	814.8	480.2	364.9	226.9	139.9	111.5	104.0	100.2	98.3
57.5°	19798.4	14003.7	610.7	387.6	264.7	164.5	111.5	94.5	87.0	81.3	79.4
60°	20991.3	13742.8	419.7	285.5	183.4	119.1	92.6	81.3	71.8	66.2	64.3
62.5°	21664.4	13030.0	270.4	206.1	130.5	88.9	73.7	68.1	54.8	49.2	49.2
65°	21392.1	11854.1	189.1	147.5	94.5	66.2	54.8	54.8	39.7	32.1	30.2
67.5°	18957.1	10014.5	143.7	109.7	68.1	49.2	41.6	47.3	24.6	15.1	15.1
69°	16310.2	8299.7	122.9	90.7	56.7	39.7	35.9	43.5	17.0	11.3	9.5
70°	14175.7	7159.7	111.5	79.4	47.3	34.0	32.1	41.6	17.0	9.5	7.6
72.5°	8481.2	3992.9	85.1	56.7	30.2	26.5	26.5	47.3	17.0	9.5	7.6
75°	3427.7	1406.6	62.4	39.7	22.7	22.7	32.1	60.5	15.1	7.6	5.7
77.5°	777.0	308.2	35.9	24.6	15.1	22.7	37.8	47.3	9.5	3.8	0.0
80°	189.1	75.6	22.7	15.1	9.5	17.0	28.4	26.5	1.9	0.0	0.0
82.5°	62.4	26.5	9.5	7.6	1.9	5.7	13.2	7.6	0.0	0.0	0.0
85°	26.5	15.1	3.8	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0
87.5°	17.0	5.7	0.0	0.0	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)