

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: P322073

Luminaire Tested: **GLEON-SA9A-830-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA9A-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23551 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G4

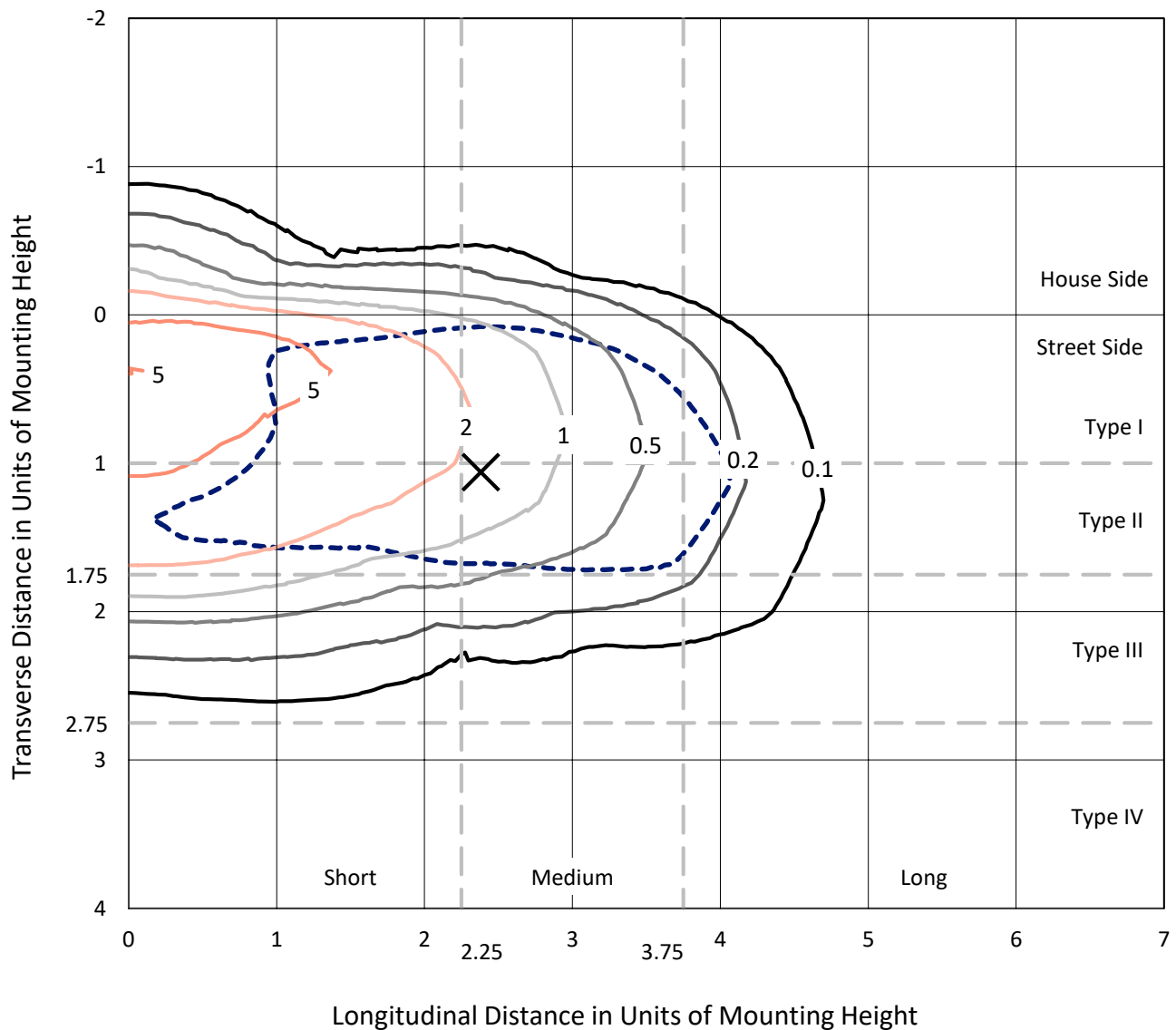
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

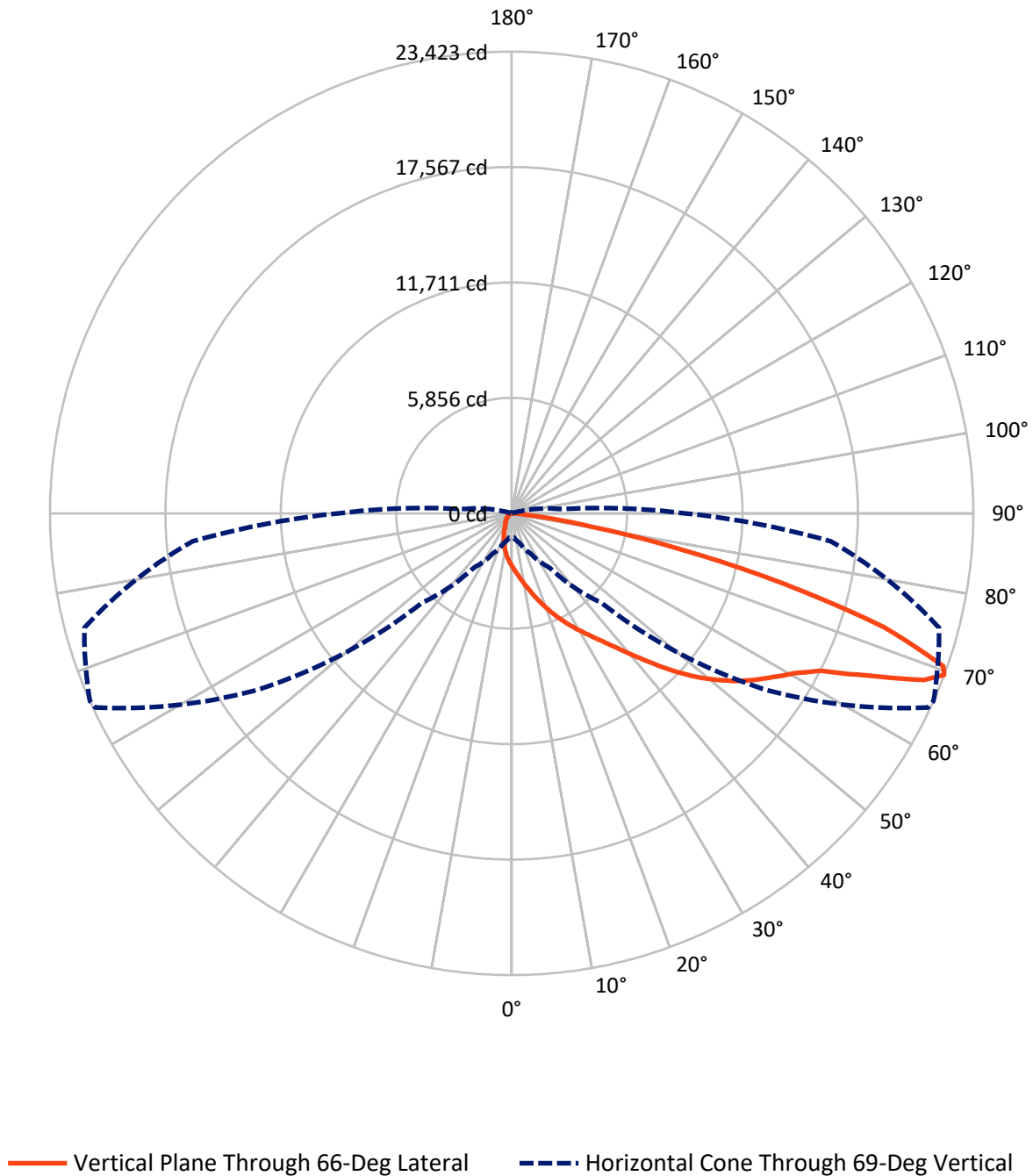
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA9A-830-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1412.7	0.0	1412.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	22138.3	0.0	22138.3
	% Fixture	94.0	0.0	94.0
Total	Lumens	23551.0	0.0	23551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	1.1
10°-20°	771.1	3.3
20°-30°	1342.7	5.7
30°-40°	2355.7	10.0
40°-50°	3943.1	16.7
50°-60°	5796.1	24.6
60°-70°	5951.1	25.3
70°-80°	2937.9	12.5
80°-90°	194.3	0.8
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°	23551.0	100.0
0°-180°	23551.0	100.0

Coefficient of Utilization



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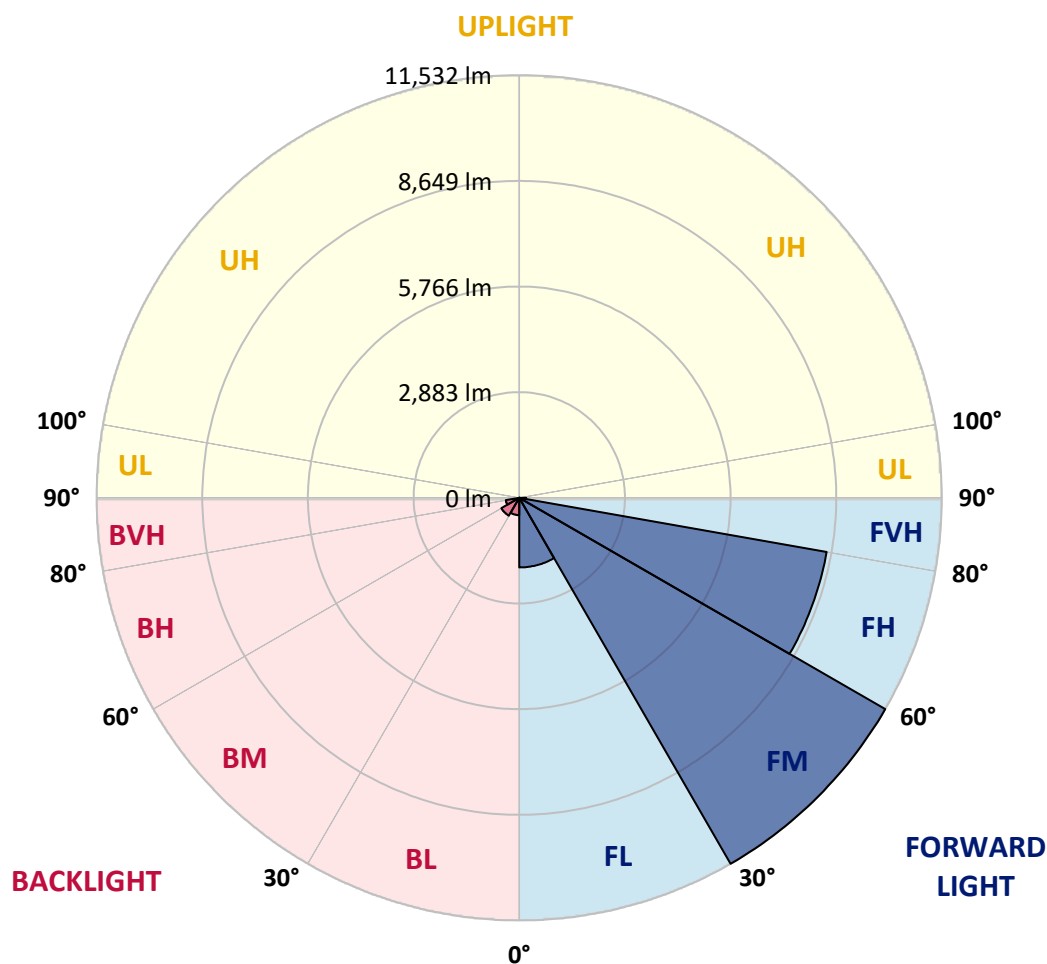
CATALOG NUMBER: GLEON-SA9A-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1900.3	8.1			
FM	(30°-60°)	11531.7	49.0			
FH	(60°-80°)	8516.7	36.2			G4/12000
FVH	(80°-90°)	189.6	0.8			G2/225
BL	(0°-30°)	472.5	2.0	B1/500		
BM	(30°-60°)	563.3	2.4	B1/1000		
BH	(60°-80°)	372.3	1.6	B1/500		G1/500
BVH	(80°-90°)	4.7	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-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2
2.5°	3154.5	3141.0	3135.5	3110.8	3068.3	3035.9	2973.3	2900.5	2887.1	2816.6	2730.5
5°	3563.9	3552.7	3544.9	3510.2	3466.6	3384.9	3270.8	3135.5	3109.7	2975.5	2803.2
7.5°	3849.1	3869.3	3869.3	3846.9	3792.1	3730.6	3590.7	3406.2	3373.7	3167.9	2900.5
10°	4015.8	4040.4	4059.4	4078.4	4070.6	4046.0	3914.0	3705.9	3666.8	3393.8	3013.5
12.5°	4031.5	4056.1	4109.8	4189.2	4266.4	4322.3	4239.5	4038.2	3993.4	3655.6	3147.8
15°	3944.2	3969.9	4052.7	4207.1	4393.9	4557.2	4584.0	4406.2	4360.3	3967.7	3315.5
17.5°	3792.1	3808.9	3927.4	4141.1	4434.2	4733.9	4896.1	4801.1	4758.5	4324.5	3502.4
20°	3679.1	3691.4	3795.4	4024.7	4409.5	4844.7	5191.4	5220.5	5175.8	4707.1	3704.8
22.5°	3872.6	3895.0	3898.3	4006.8	4342.4	4899.5	5451.0	5633.3	5599.7	5113.1	3903.9
25°	4401.7	4427.4	4342.4	4275.3	4399.5	4924.1	5673.6	6056.1	6029.3	5550.5	4104.2
27.5°	5100.8	5127.7	5018.1	4817.8	4698.1	5016.9	5871.6	6485.7	6484.6	6013.6	4320.1
30°	5787.7	5814.5	5702.7	5502.4	5227.2	5279.8	6042.7	6935.4	6942.1	6491.3	4549.4
32.5°	6508.0	6541.6	6426.4	6169.1	5881.6	5734.0	6283.2	7387.3	7425.3	7045.0	4807.8
35°	7326.9	7331.3	7169.1	6899.6	6568.5	6341.4	6669.1	7894.0	7984.6	7730.7	5135.5
37.5°	8130.0	8162.5	8029.4	7604.3	7300.0	7042.7	7243.0	8527.1	8655.8	8568.5	5563.9
40°	8725.1	8793.4	8774.3	8315.7	8027.1	7843.7	7955.5	9280.0	9443.3	9543.9	6104.2
42.5°	9098.7	9150.2	9237.4	8961.2	8699.4	8729.6	8796.7	10156.9	10358.3	10655.8	6725.1
45°	9527.2	9551.8	9624.5	9502.6	9325.8	9630.1	9689.4	11144.7	11356.1	11851.6	7414.1
47.5°	10050.7	10108.8	10129.0	10017.1	9936.6	10426.5	10549.6	12042.9	12339.3	13132.4	8143.4
50°	10717.4	10733.0	10767.7	10695.0	10614.5	11111.1	11321.4	12985.9	13255.5	14417.7	8862.7
52.5°	11369.5	11425.4	11546.2	11500.4	11467.9	11693.9	12009.4	13836.0	14136.9	15489.3	9580.9
55°	11557.4	11605.5	12022.8	12308.0	12572.0	12412.0	12667.1	14597.8	14923.3	16446.9	10272.2
57.5°	10806.9	10904.2	11626.8	12369.5	13464.7	13528.4	13570.9	15379.7	15671.7	17180.7	10991.4
60°	8909.7	8928.7	10114.4	11388.5	13317.0	14502.7	14890.9	16219.8	16464.8	17864.1	11852.7
62.5°	5666.9	5860.4	7161.3	8960.0	11755.4	14361.8	16487.1	17490.5	17580.0	18684.1	13087.7
65°	2699.2	2824.5	3761.9	5536.0	8514.8	12557.5	17589.0	19789.3	19829.5	20309.4	14737.6
67.5°	1494.5	1554.9	2001.2	2980.0	4977.8	8880.6	17143.8	22511.9	22550.0	21969.4	16185.1
69°	1168.9	1220.4	1571.6	2246.2	3374.8	6382.8	15513.9	23309.5	23422.5	22444.8	16236.6
70°	992.2	1042.5	1353.5	1897.2	2713.7	4931.9	13809.2	23111.5	23231.2	22400.1	15852.9
72.5°	607.4	636.5	901.6	1335.6	1818.9	2481.1	8515.9	19545.4	19747.9	20547.7	13624.6
75°	409.4	425.1	563.8	921.7	1300.9	1277.4	4424.1	13776.7	14215.2	15983.8	10063.0
77.5°	293.1	307.6	378.1	596.2	911.7	843.4	2003.4	8561.8	8655.8	9586.5	5487.9
80°	166.7	180.1	267.3	354.6	618.6	562.7	796.4	4089.6	4136.6	4110.9	1832.3
82.5°	87.3	98.4	146.5	233.8	397.1	368.0	331.1	1369.2	1375.9	1144.3	401.6
85°	16.8	20.1	72.7	160.0	204.7	160.0	135.4	321.0	327.8	289.7	99.6
87.5°	0.0	1.1	29.1	35.8	40.3	41.4	43.6	62.6	67.1	90.6	26.8
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-SA9A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2	2680.2
2.5°	2692.5	2652.2	2575.0	2485.5	2416.2	2348.0	2294.3	2238.3	2218.2	2208.1	2207.0
5°	2719.3	2634.3	2471.0	2303.2	2165.6	2035.9	1943.0	1854.6	1813.3	1794.2	1786.4
7.5°	2764.1	2627.6	2364.7	2108.6	1910.6	1748.4	1619.7	1523.5	1475.4	1455.3	1447.5
10°	2816.6	2618.7	2240.6	1902.7	1649.9	1482.2	1354.6	1259.6	1207.0	1184.6	1173.4
12.5°	2878.2	2603.0	2097.4	1694.7	1427.3	1259.6	1105.2	987.7	927.3	901.6	889.3
15°	2954.2	2587.3	1947.5	1498.9	1231.6	1026.9	858.0	778.5	766.2	761.8	762.9
17.5°	3029.2	2562.7	1784.2	1305.4	1025.8	802.0	715.9	711.4	713.7	713.7	713.7
20°	3096.3	2506.8	1606.3	1139.9	830.0	676.8	658.9	651.0	645.4	641.0	635.4
22.5°	3148.9	2431.8	1435.2	975.4	677.9	619.7	591.7	567.1	547.0	533.6	526.9
25°	3184.7	2332.3	1278.6	817.7	609.6	563.8	513.4	472.1	440.7	421.7	413.9
27.5°	3211.5	2224.9	1138.7	684.6	562.7	498.9	432.9	383.7	351.2	334.5	327.8
30°	3230.5	2103.0	1015.7	601.8	510.1	430.7	360.2	312.1	288.6	279.7	275.2
32.5°	3248.4	1967.6	899.4	562.7	460.9	368.0	302.0	265.1	250.6	239.4	236.0
35°	3293.2	1842.3	788.6	521.3	410.5	314.3	259.5	232.7	218.1	211.4	209.2
37.5°	3399.4	1749.5	682.3	478.8	360.2	271.8	227.1	208.1	194.6	187.9	185.7
40°	3570.6	1702.5	592.9	432.9	311.0	239.4	205.8	187.9	173.4	163.3	161.1
42.5°	3822.3	1709.2	530.2	387.0	271.8	213.7	185.7	164.4	148.8	139.8	137.6
45°	4127.7	1758.4	486.6	342.3	239.4	193.5	163.3	140.9	126.4	118.6	116.3
47.5°	4458.8	1837.9	450.8	302.0	213.7	174.5	140.9	117.5	105.1	98.4	97.3
50°	4807.8	1915.1	413.9	262.9	191.3	155.5	118.6	97.3	87.3	81.7	79.4
52.5°	5161.2	2004.5	380.3	227.1	172.3	133.1	98.4	79.4	71.6	67.1	64.9
55°	5541.6	2071.7	347.9	199.1	153.2	113.0	81.7	66.0	59.3	53.7	52.6
57.5°	5989.0	2175.7	314.3	172.3	130.9	94.0	67.1	52.6	47.0	41.4	40.3
60°	6593.1	2297.6	278.5	152.1	107.4	77.2	54.8	42.5	35.8	31.3	30.2
62.5°	7389.5	2433.0	233.8	133.1	87.3	62.6	43.6	33.6	25.7	20.1	20.1
65°	8399.6	2653.3	191.3	111.9	71.6	51.5	33.6	24.6	14.5	8.9	8.9
67.5°	8989.1	2691.4	154.4	91.7	58.2	43.6	28.0	16.8	4.5	1.1	0.0
69°	8800.1	2471.0	130.9	78.3	50.3	41.4	25.7	12.3	2.2	0.0	0.0
70°	8444.4	2259.6	115.2	69.4	45.9	39.2	24.6	8.9	2.2	0.0	0.0
72.5°	6977.9	1608.6	87.3	51.5	33.6	34.7	22.4	5.6	2.2	0.0	0.0
75°	5082.9	977.7	62.6	35.8	21.3	25.7	15.7	2.2	1.1	0.0	0.0
77.5°	2827.8	460.9	39.2	20.1	13.4	15.7	7.8	0.0	0.0	0.0	0.0
80°	918.4	125.3	17.9	11.2	7.8	8.9	3.4	0.0	0.0	0.0	0.0
82.5°	170.0	35.8	10.1	5.6	2.2	2.2	0.0	0.0	0.0	0.0	0.0
85°	36.9	14.5	5.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.3	4.5	1.1	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 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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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)