

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: P321428

Luminaire Tested: **GLEON-SA4A-830-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321428
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-SA4A-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 615mA 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: 12058 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

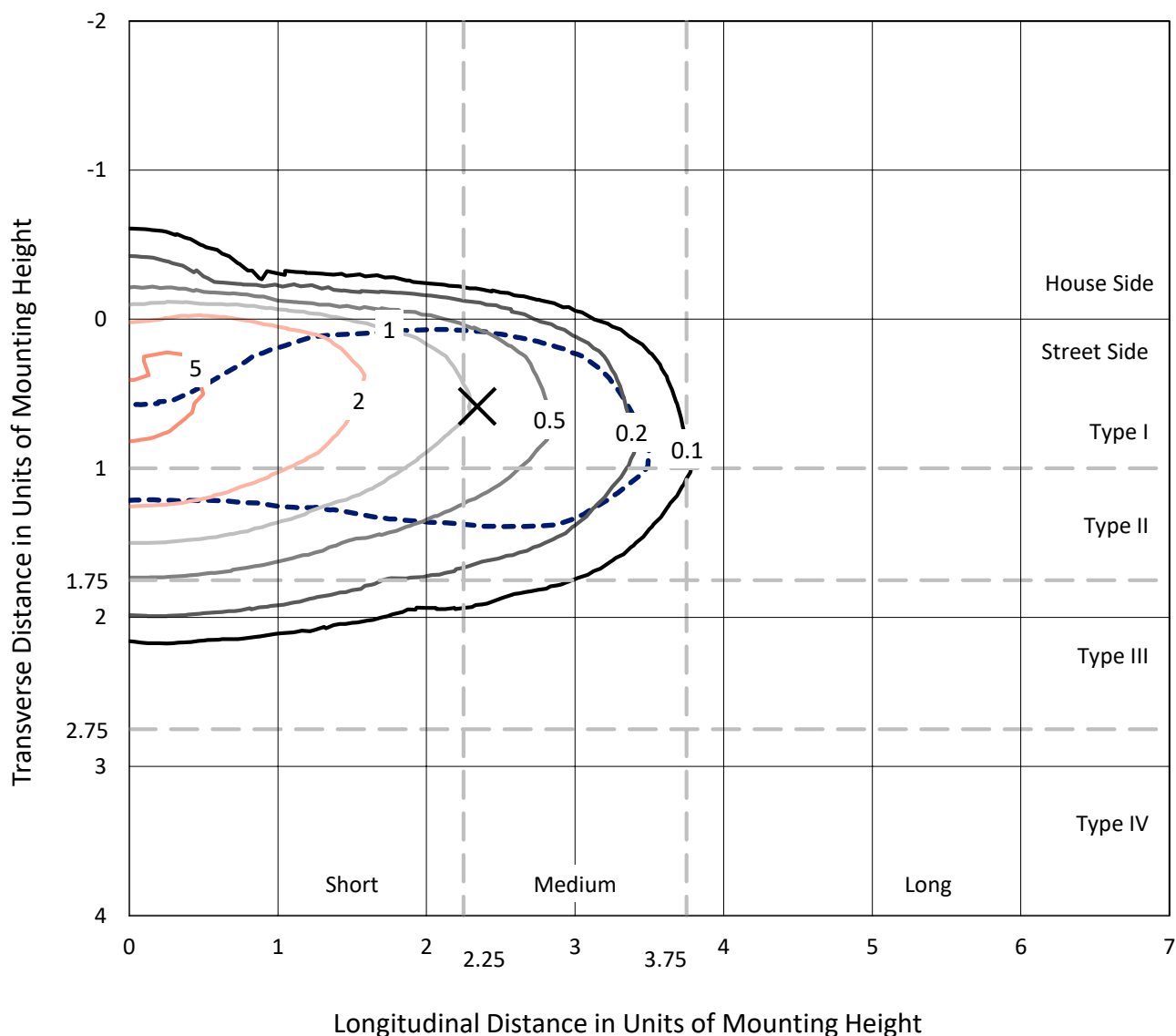
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

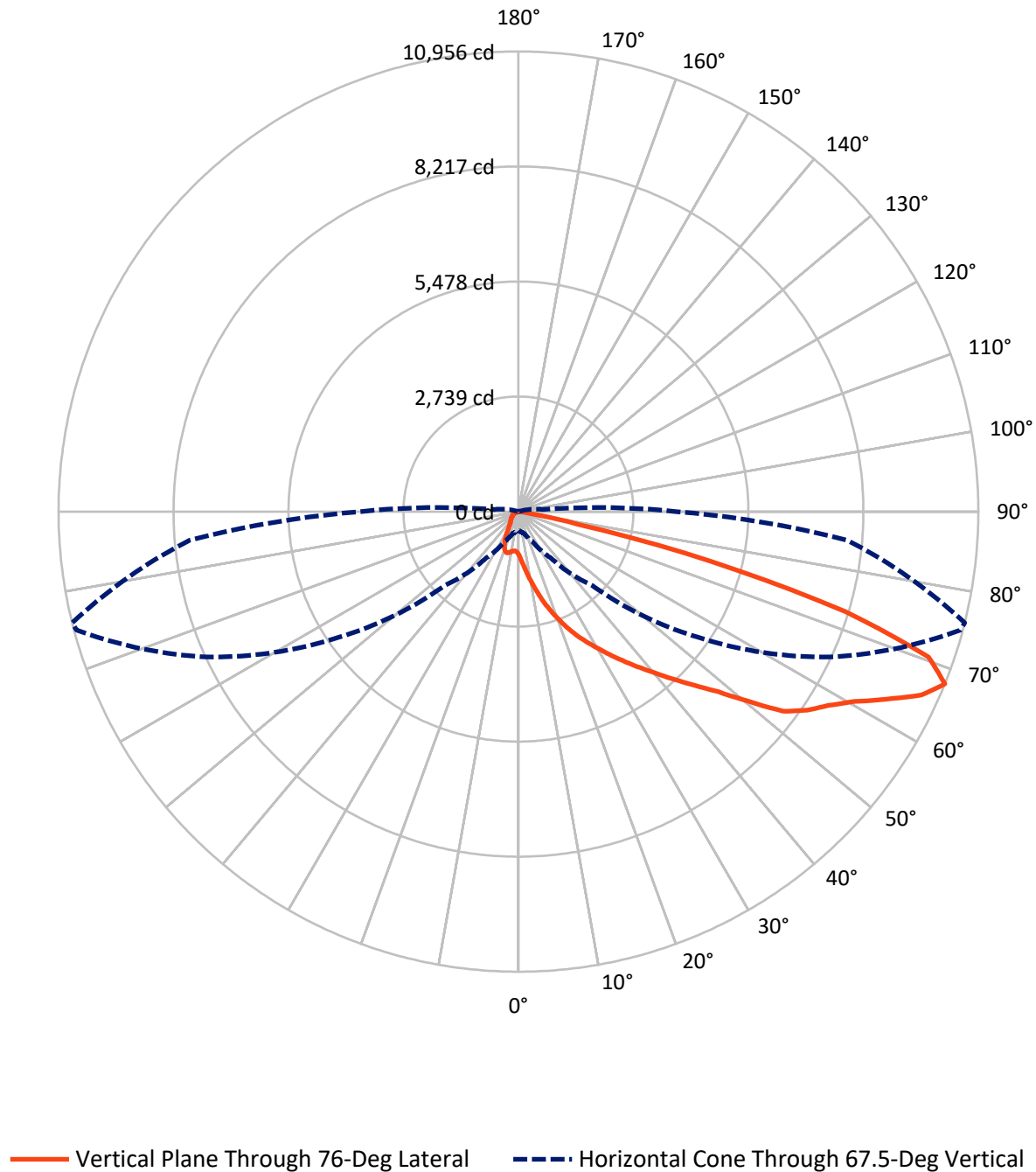
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	598.8	0.0	598.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	11459.2	0.0	11459.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	12058.0	0.0	12058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	1.1
10°-20°	504.2	4.2
20°-30°	1025.9	8.5
30°-40°	1780.6	14.8
40°-50°	2515.8	20.9
50°-60°	2853.0	23.7
60°-70°	2366.3	19.6
70°-80°	857.1	7.1
80°-90°	27.8	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°	12058.0	100.0
0°-180°	12058.0	100.0

Coefficient of Utilization



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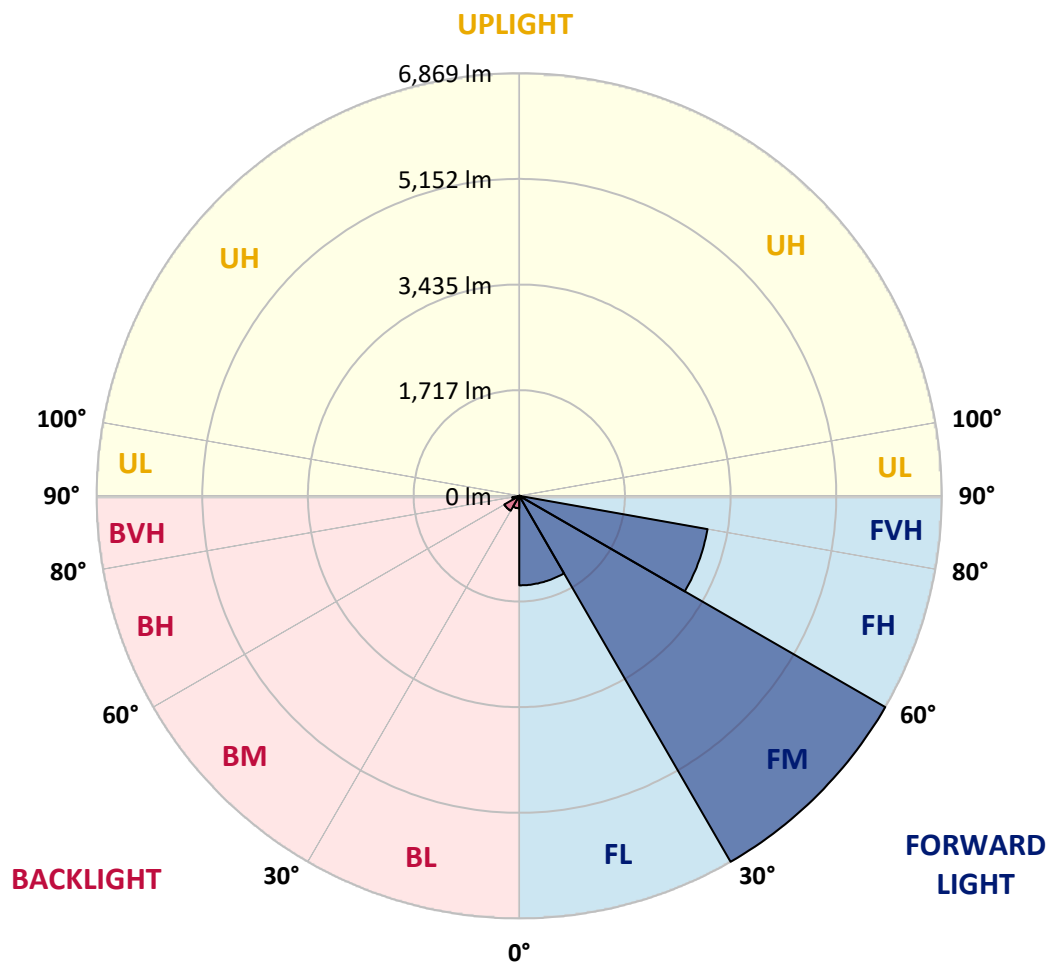
CATALOG NUMBER: GLEON-SA4A-830-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1455.4	12.1			
FM	(30°-60°)	6869.2	57.0			
FH	(60°-80°)	3107.8	25.8			G2/5000
FVH	(80°-90°)	26.9	0.2			G1/100
BL	(0°-30°)	201.9	1.7	B1/500		
BM	(30°-60°)	280.2	2.3	B1/1000		
BH	(60°-80°)	115.7	1.0	B1/500		G1/500
BVH	(80°-90°)	0.9	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9
2.5°	1526.9	1492.6	1500.5	1478.3	1438.1	1355.7	1285.5	1218.9	1141.2	1138.6	1074.6
5°	2058.9	2029.9	2026.2	1981.3	1908.4	1768.4	1632.0	1476.7	1303.4	1290.7	1155.0
7.5°	2541.8	2518.6	2510.1	2456.8	2321.0	2184.7	2007.2	1778.9	1507.9	1484.6	1263.3
10°	2912.7	2901.6	2903.8	2865.7	2749.5	2622.7	2389.7	2098.6	1739.8	1703.9	1393.2
12.5°	3193.8	3196.5	3215.5	3192.2	3127.2	3033.2	2784.4	2439.3	1996.6	1947.5	1541.7
15°	3400.4	3413.6	3448.5	3477.5	3472.8	3391.4	3163.2	2785.4	2269.2	2214.8	1707.1
17.5°	3534.1	3548.9	3599.6	3664.0	3723.2	3704.2	3528.8	3119.3	2545.0	2482.1	1884.1
20°	3651.4	3668.8	3723.2	3808.3	3918.7	3942.5	3827.3	3443.2	2820.3	2743.7	2066.9
22.5°	3905.5	3905.0	3938.3	3987.9	4093.1	4154.3	4081.4	3743.8	3092.4	3012.6	2253.4
25°	4365.2	4347.7	4336.1	4297.0	4320.2	4358.3	4317.6	4024.9	3366.1	3285.2	2442.5
27.5°	4911.5	4922.0	4828.0	4722.8	4641.5	4602.4	4535.8	4285.4	3629.2	3540.4	2627.4
30°	5487.9	5491.0	5380.1	5245.9	5066.8	4918.3	4803.1	4534.2	3899.7	3803.0	2807.1
32.5°	6007.8	5987.2	5877.3	5694.5	5468.3	5301.4	5062.0	4812.1	4186.0	4092.5	3006.8
35°	6419.9	6395.6	6261.9	6095.5	5860.9	5692.9	5404.9	5089.5	4487.2	4395.8	3207.0
37.5°	6721.0	6692.5	6555.1	6383.9	6181.6	6083.8	5802.8	5391.2	4815.8	4717.6	3417.8
40°	6825.6	6800.8	6714.7	6589.5	6426.7	6404.5	6224.9	5738.3	5173.5	5068.9	3656.6
42.5°	6763.3	6739.0	6708.3	6666.1	6598.4	6619.6	6623.3	6134.0	5570.8	5467.8	3920.3
45°	6516.0	6494.4	6526.1	6587.9	6671.9	6776.5	6986.8	6559.4	6014.6	5904.7	4225.1
47.5°	6152.0	6136.1	6223.9	6378.1	6623.8	6912.3	7319.1	7006.3	6512.9	6410.9	4605.5
50°	5634.2	5631.6	5807.0	6088.6	6466.4	6977.8	7662.5	7514.6	7205.0	7097.7	5134.4
52.5°	4828.0	4833.3	5178.3	5628.9	6190.0	6933.4	7883.4	8167.6	8010.2	7898.7	5592.5
55°	4060.3	4092.0	4336.6	4986.5	5766.3	6768.6	7959.5	8472.5	8454.5	8348.8	5847.1
57.5°	3308.5	3366.1	3601.7	4208.8	5147.6	6388.7	7917.7	8604.6	8785.2	8704.4	6183.2
60°	2493.8	2520.2	2791.8	3359.2	4353.5	5695.5	7615.0	8676.4	9237.5	9181.5	6670.8
62.5°	1586.6	1652.6	1893.6	2440.9	3389.8	4732.9	7104.6	8675.4	9803.4	9834.0	7300.1
65°	835.8	913.0	1040.8	1512.6	2329.5	3657.7	6336.9	8594.0	10497.6	10540.4	7792.0
67.5°	450.7	472.9	540.5	785.1	1351.0	2477.9	5208.9	8192.5	10899.7	10956.2	7860.7
70°	329.7	341.8	367.2	434.3	680.0	1439.2	3800.9	7282.1	10381.4	10360.2	6984.1
72.5°	253.1	272.1	291.1	318.1	391.0	768.2	2366.4	5702.4	8283.3	8143.8	5220.5
75°	199.7	202.9	229.8	254.1	293.2	437.5	1050.9	3321.1	5055.7	4725.5	2707.2
77.5°	159.6	161.7	177.5	198.7	235.6	287.4	325.5	1306.6	1614.1	1440.3	587.5
80°	94.6	99.9	132.1	153.2	195.5	181.2	118.9	283.7	252.0	228.2	98.8
82.5°	52.8	57.1	74.5	121.0	136.3	86.6	59.2	76.6	59.2	57.6	28.0
85°	0.0	2.6	48.1	75.0	55.5	19.0	24.8	25.4	17.4	16.4	11.1
87.5°	0.0	0.0	14.8	14.3	2.1	3.2	5.8	8.5	6.9	6.9	5.8
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-SA4A-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9	1022.9
2.5°	1042.9	1014.4	960.5	907.7	863.3	826.9	794.1	780.9	770.3	768.7	760.3
5°	1089.4	1031.8	928.8	844.3	787.8	747.6	713.3	692.1	675.7	669.4	663.6
7.5°	1159.7	1072.5	924.6	827.4	759.8	692.1	628.7	560.0	517.2	500.9	491.4
10°	1245.3	1126.4	940.4	822.6	704.3	561.6	456.5	369.3	333.9	322.3	319.1
12.5°	1345.2	1193.5	967.9	793.0	585.9	398.9	314.9	285.3	277.4	273.7	273.7
15°	1459.8	1267.0	987.5	707.4	433.2	301.7	272.6	258.9	250.4	245.7	246.2
17.5°	1577.1	1338.8	978.0	583.3	319.6	268.4	246.7	231.9	220.3	215.6	214.5
20°	1695.4	1405.4	925.1	434.3	270.5	243.6	219.3	202.9	191.3	186.5	185.4
22.5°	1818.0	1461.9	832.1	318.6	243.0	216.1	192.3	175.9	164.8	160.6	158.5
25°	1937.4	1507.9	702.2	257.8	217.1	190.2	167.5	152.2	142.1	137.9	137.4
27.5°	2048.9	1536.9	551.6	227.7	194.4	167.0	146.4	132.6	124.2	121.0	120.5
30°	2149.3	1539.6	407.9	205.5	174.4	146.9	127.9	115.7	108.3	105.1	104.1
32.5°	2250.7	1517.4	296.9	185.4	155.9	129.4	111.0	101.4	96.2	93.5	93.5
35°	2346.4	1466.1	231.4	168.0	137.9	112.5	97.7	90.9	87.7	85.1	85.1
37.5°	2439.9	1392.7	196.5	152.7	121.0	98.3	86.1	81.9	79.3	76.6	76.6
40°	2535.0	1300.2	178.6	138.4	107.3	87.2	76.6	72.9	70.3	68.2	67.6
42.5°	2651.7	1193.5	167.0	125.2	95.1	77.1	67.6	63.4	61.3	59.2	58.1
45°	2787.0	1101.6	157.4	112.0	85.1	68.7	58.6	54.4	51.2	48.6	48.1
47.5°	2982.0	1035.0	144.8	97.7	75.6	59.7	50.7	46.0	41.2	38.6	38.0
50°	3230.8	980.1	128.4	85.1	66.0	50.7	42.3	36.5	32.2	29.6	29.6
52.5°	3354.4	908.2	113.6	74.0	55.5	42.8	34.3	27.5	25.4	22.7	22.7
55°	3404.1	853.3	98.8	62.9	46.0	35.4	26.9	21.1	19.5	18.0	17.4
57.5°	3543.6	837.4	86.1	53.4	38.0	28.0	20.6	15.9	14.8	12.7	12.7
60°	3768.1	845.3	74.5	45.4	30.6	21.7	15.3	12.2	11.1	9.0	9.0
62.5°	4010.6	835.3	62.9	39.1	23.8	15.9	10.6	9.0	9.0	5.3	4.8
65°	4057.1	743.9	53.9	32.2	18.5	11.6	6.9	5.8	7.9	1.1	0.0
67.5°	3765.5	576.9	46.5	24.8	13.7	9.0	5.3	2.6	6.9	0.0	0.0
70°	3011.0	366.7	37.5	18.0	10.6	7.4	4.2	1.1	5.3	0.0	0.0
72.5°	2129.2	212.9	29.6	12.7	9.0	5.8	3.2	0.0	3.2	0.0	0.0
75°	1076.8	113.6	18.5	9.5	6.9	4.2	2.1	0.0	0.5	0.0	0.0
77.5°	233.0	52.8	11.6	6.9	4.8	2.6	1.1	0.0	0.0	0.0	0.0
80°	50.7	23.2	7.4	4.2	2.6	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	18.5	12.2	3.7	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.0	6.3	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	2.1	0.5	0.5	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

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 81.0$
 $R_9 = 7.1$



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)