

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: P319842

Luminaire Tested: **GLEON-SA8B-830-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA8B-830-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36398 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

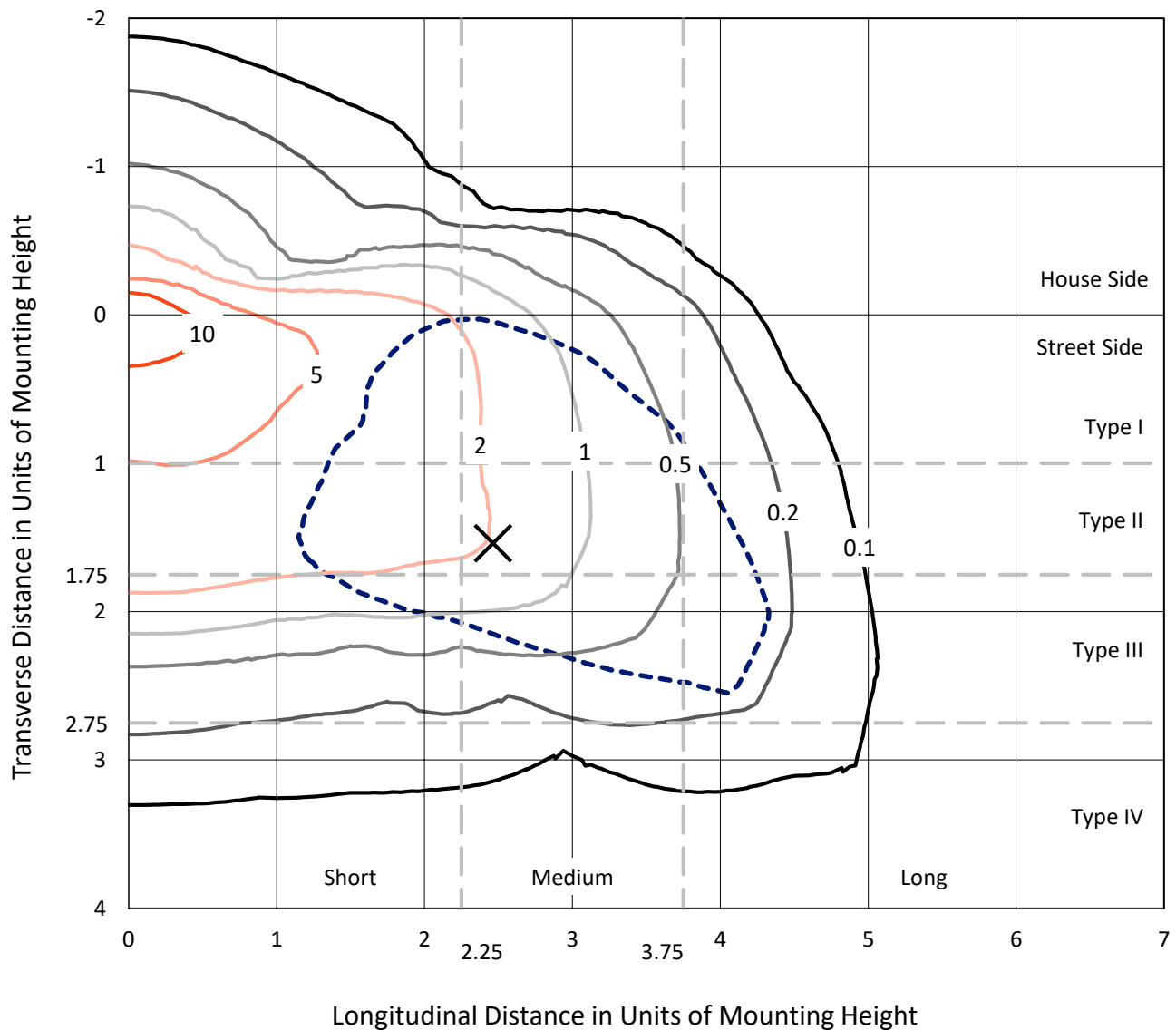
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319842
 CATALOG NUMBER: GLEON-SA8B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

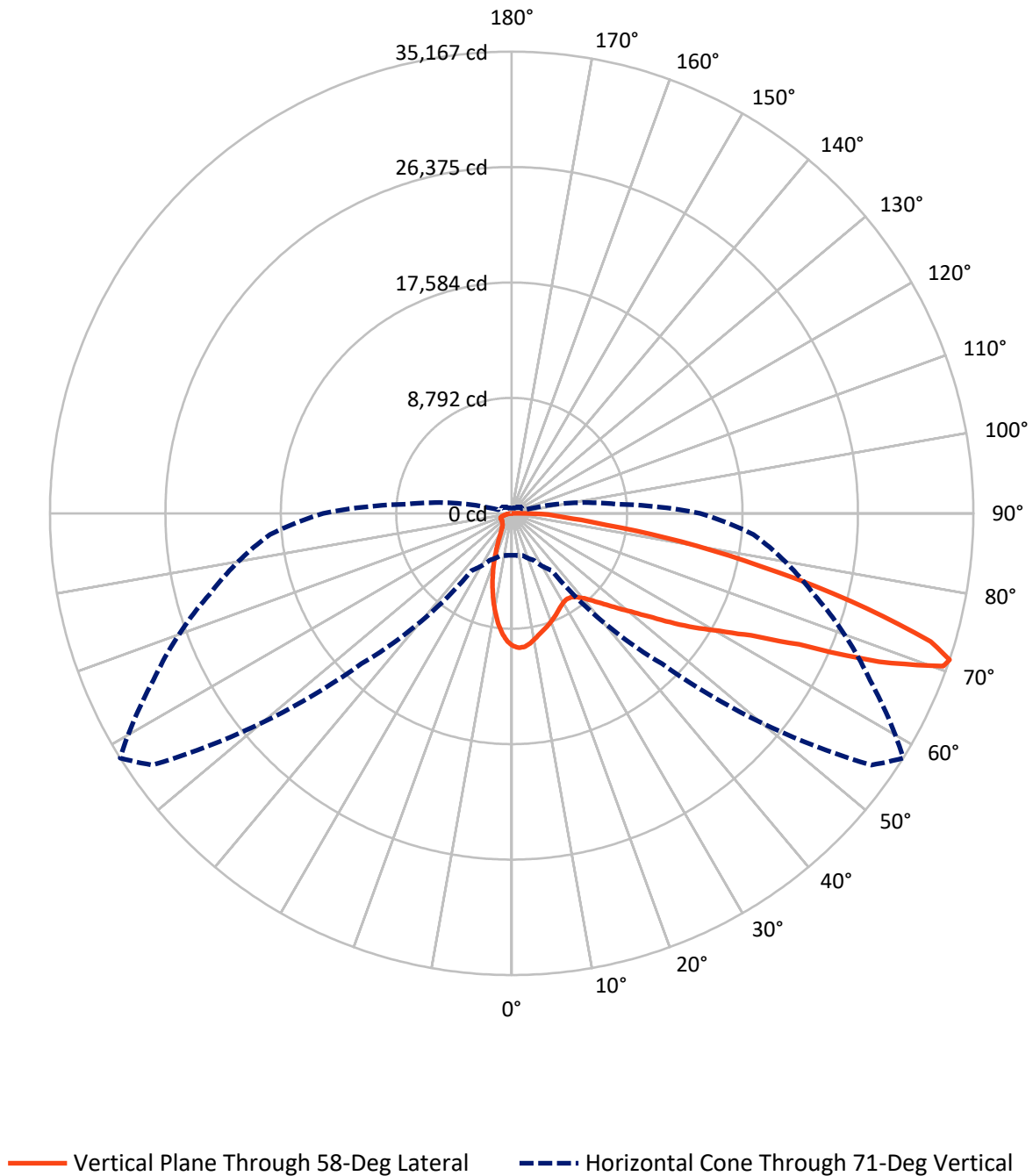
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA8B-830-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5441.8	0.0	5441.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	30956.2	0.0	30956.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	36398.0	0.0	36398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.0	2.4
10°-20°	1934.6	5.3
20°-30°	2458.6	6.8
30°-40°	3131.8	8.6
40°-50°	4441.0	12.2
50°-60°	6872.7	18.9
60°-70°	9356.3	25.7
70°-80°	6241.7	17.1
80°-90°	1091.3	3.0
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°	36398.0	100.0
0°-180°	36398.0	100.0

Coefficient of Utilization



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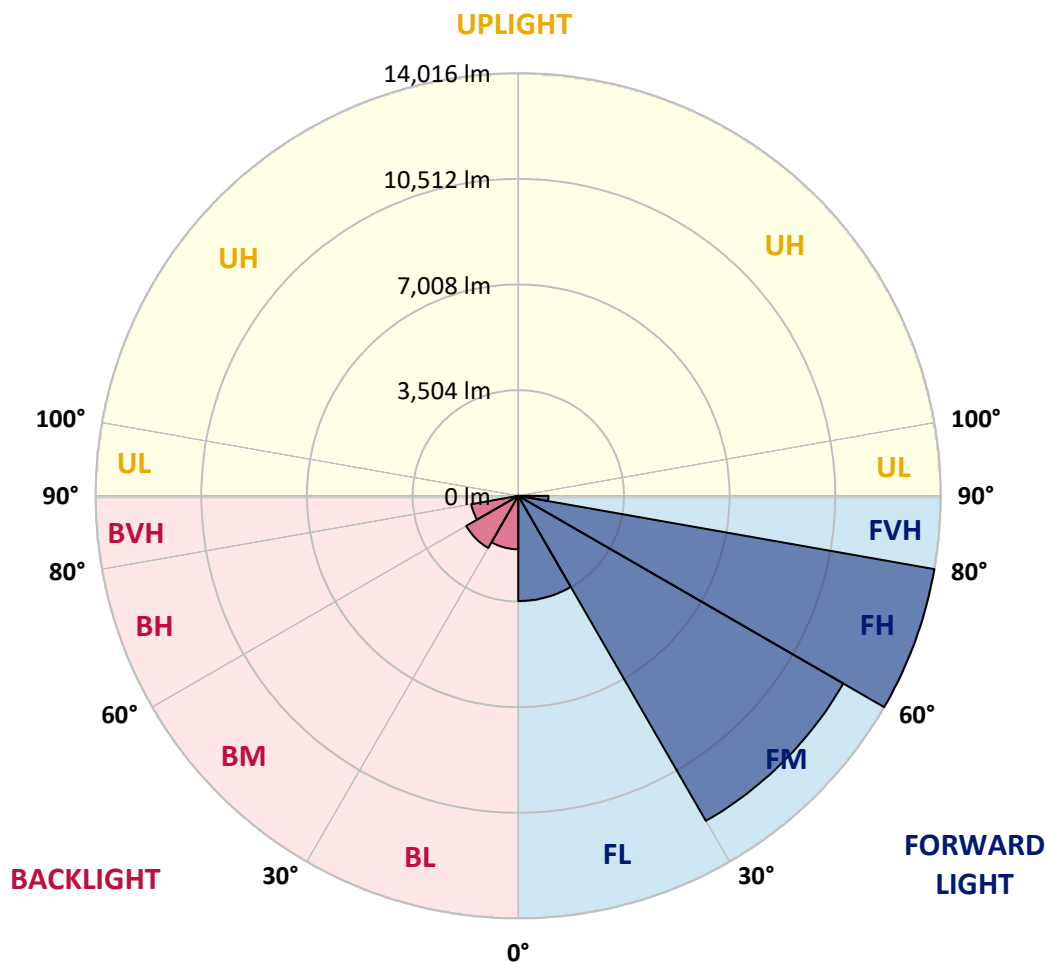
CATALOG NUMBER: GLEON-SA8B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3489.3	9.6			
FM	(30°-60°)	12449.9	34.2			
FH	(60°-80°)	14016.4	38.5			G5
FVH	(80°-90°)	1000.6	2.7			G5
BL	(0°-30°)	1773.8	4.9	B3/2500		
BM	(30°-60°)	1995.6	5.5	B2/2500		
BH	(60°-80°)	1581.6	4.3	B3/2500		G3/2500
BVH	(80°-90°)	90.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7
2.5°	10352.2	10338.3	10343.3	10333.2	10309.1	10285.0	10249.5	10255.8	10206.4	10132.9	10041.6
5°	10156.9	10151.9	10189.9	10211.5	10229.2	10215.3	10205.1	10217.8	10145.5	10044.1	9885.6
7.5°	9747.4	9691.6	9739.8	9812.1	9880.6	9932.5	10001.0	10009.9	9964.2	9857.7	9649.8
10°	9165.5	9112.2	9183.2	9296.1	9433.0	9557.2	9695.4	9720.8	9729.7	9633.3	9381.0
12.5°	8562.0	8521.4	8592.4	8750.9	8977.8	9169.3	9389.9	9427.9	9506.5	9441.9	9132.5
15°	8021.8	8006.6	8092.8	8248.8	8510.0	8802.9	9121.1	9190.8	9324.0	9302.4	8938.5
17.5°	7555.3	7551.5	7617.4	7780.9	8070.0	8440.2	8853.6	8971.5	9169.3	9194.6	8778.8
20°	7207.9	7200.3	7245.9	7366.4	7664.3	8084.0	8564.5	8726.8	9012.1	9100.8	8613.9
22.5°	7021.5	7020.2	7021.5	7078.5	7322.0	7712.5	8283.0	8480.8	8858.6	9026.0	8431.4
25°	6989.8	6986.0	6958.1	6951.8	7090.0	7401.9	8004.1	8222.2	8712.8	8974.0	8257.7
27.5°	7072.2	7077.3	7040.5	6980.9	7008.8	7197.7	7761.9	7995.2	8596.2	8963.9	8137.2
30°	7243.4	7240.8	7209.1	7147.0	7092.5	7121.7	7589.5	7822.8	8517.6	9008.3	8054.8
32.5°	7432.3	7446.2	7439.9	7405.7	7324.5	7207.9	7537.5	7765.7	8494.8	9114.8	8019.3
35°	7659.2	7674.4	7720.1	7746.7	7651.6	7464.0	7649.1	7846.9	8560.7	9315.1	8076.4
37.5°	7874.8	7914.1	8042.1	8155.0	8073.8	7864.6	7945.8	8086.5	8764.8	9630.8	8229.8
40°	8123.3	8157.5	8366.7	8606.3	8593.7	8376.9	8423.8	8517.6	9124.9	10083.4	8507.4
42.5°	8368.0	8436.4	8739.5	9079.3	9176.9	8985.4	9060.2	9109.7	9632.0	10683.1	8991.8
45°	8693.8	8767.4	9188.3	9597.8	9826.0	9718.3	9837.4	9856.5	10269.8	11499.6	9695.4
47.5°	9187.0	9270.7	9761.4	10191.2	10539.8	10551.3	10747.8	10740.2	11066.0	12434.1	10581.7
50°	9955.4	10075.8	10477.7	10879.6	11303.1	11538.9	11801.4	11764.6	12020.7	13429.3	11602.3
52.5°	10962.0	11017.8	11315.8	11612.5	12138.6	12667.3	13043.9	13010.9	13103.5	14452.5	12761.2
55°	12005.5	12047.3	12170.3	12332.6	13040.1	13902.3	14698.5	14646.5	14411.9	15515.0	13906.1
57.5°	12943.7	13028.7	13113.6	13180.8	13947.9	15192.9	16391.1	16394.9	15832.0	16661.1	15089.0
60°	13089.5	13164.3	13726.0	14256.0	15501.0	16914.7	18202.9	18164.8	17301.4	17904.9	16407.6
62.5°	11570.6	11739.3	12677.5	14087.4	16997.1	20064.1	20514.2	20467.3	19058.7	19437.8	17943.0
65°	8291.9	8483.4	9615.6	11734.2	16271.9	23534.3	24685.5	24054.1	21455.0	21323.1	19740.8
67.5°	4783.7	4829.3	5320.0	7021.5	12389.7	23715.6	31049.0	30165.3	25176.2	23462.0	20620.7
70°	3537.4	3536.1	3652.7	4320.9	6704.5	19355.4	34075.4	34867.8	29093.9	24165.7	19376.9
71°	3198.8	3202.7	3333.2	3932.9	5309.9	16200.9	33432.6	35167.1	30126.0	23818.3	18476.7
72.5°	2736.1	2748.8	2930.1	3527.2	4466.7	11172.5	30663.6	33371.7	30615.4	22961.2	17068.1
75°	2075.5	2104.7	2355.7	2973.2	4082.6	5666.1	22504.8	26648.2	27197.2	20260.6	12682.6
77.5°	1480.9	1513.8	1797.8	2500.2	3881.0	4270.2	15071.2	19437.8	20014.7	12984.3	5720.7
80°	935.7	975.0	1189.3	1989.3	3646.4	4054.7	9471.0	13065.5	10913.9	4154.8	1455.5
82.5°	549.0	579.4	737.9	1299.6	2978.2	3905.1	5572.3	7242.1	4247.4	1255.2	661.8
85°	318.2	332.2	460.2	827.9	2163.0	3685.7	4094.0	4048.3	1843.5	613.7	313.2
87.5°	148.3	164.8	272.6	432.3	1200.7	2671.4	3235.6	2795.7	1146.2	287.8	147.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7	10084.7
2.5°	9997.2	9975.6	9885.6	9805.7	9722.1	9613.0	9492.6	9477.4	9403.8	9417.8	9392.4
5°	9799.4	9744.9	9528.1	9331.6	9099.5	8891.6	8665.9	8562.0	8412.4	8402.2	8364.2
7.5°	9516.7	9415.2	9079.3	8706.5	8333.7	7978.7	7627.5	7396.8	7161.0	7060.8	7051.9
10°	9198.4	9026.0	8531.5	7980.0	7442.4	6923.9	6421.8	6050.3	5715.6	5557.1	5550.8
12.5°	8896.7	8641.8	7963.5	7212.9	6477.6	5805.6	5117.1	4629.0	4209.3	4068.6	4009.0
15°	8640.6	8281.8	7410.7	6450.9	5558.4	4625.2	3841.7	3328.2	2940.2	2805.8	2780.5
17.5°	8392.1	7930.6	6844.0	5681.3	4602.4	3576.7	2791.9	2410.2	2203.6	2149.0	2147.8
20°	8144.8	7569.2	6251.9	4894.0	3678.1	2675.2	2146.5	1975.3	1905.6	1899.3	1889.1
22.5°	7864.6	7186.3	5629.4	4104.1	2870.5	2103.4	1824.5	1756.0	1747.1	1770.0	1770.0
25°	7602.2	6806.0	4998.0	3330.7	2232.7	1754.7	1629.2	1615.3	1639.4	1679.9	1683.7
27.5°	7357.5	6439.5	4381.8	2643.5	1789.0	1545.5	1493.6	1510.0	1553.1	1600.1	1601.3
30°	7155.9	6093.4	3783.3	2083.1	1511.3	1389.6	1380.7	1413.7	1460.6	1497.4	1506.2
32.5°	6999.9	5798.0	3205.2	1674.9	1330.0	1272.9	1280.6	1308.4	1337.6	1357.9	1371.8
35°	6927.7	5544.4	2671.4	1412.4	1214.6	1182.9	1193.1	1208.3	1221.0	1236.2	1247.6
37.5°	6940.3	5347.9	2194.7	1248.9	1137.3	1120.8	1120.8	1120.8	1120.8	1128.4	1129.7
40°	7058.3	5235.1	1806.7	1144.9	1085.3	1067.6	1053.6	1040.9	1030.8	1035.9	1033.3
42.5°	7360.0	5224.9	1522.7	1079.0	1043.5	1014.3	986.4	968.7	956.0	961.0	963.6
45°	7872.2	5351.7	1331.3	1032.1	1004.2	959.8	924.3	905.3	896.4	912.9	915.4
47.5°	8535.3	5628.1	1214.6	997.8	967.4	909.1	871.0	853.3	855.8	879.9	886.2
50°	9389.9	6076.9	1158.8	976.3	942.0	866.0	826.7	811.4	819.0	853.3	860.9
52.5°	10328.1	6723.5	1165.2	969.9	925.5	834.3	792.4	774.7	787.4	819.0	825.4
55°	11410.9	7500.7	1270.4	978.8	901.5	814.0	764.5	734.1	744.2	773.4	778.5
57.5°	12614.1	8390.8	1482.1	976.3	871.0	795.0	735.4	689.7	697.3	715.1	720.2
60°	13866.8	9466.0	1810.5	983.9	857.1	772.1	696.1	639.0	636.5	651.7	654.2
62.5°	15370.5	10709.7	2185.8	988.9	866.0	743.0	644.1	588.3	580.7	584.5	587.0
65°	16919.8	11609.9	2045.1	968.7	893.9	718.9	598.4	538.8	524.9	522.4	523.6
67.5°	16968.0	10645.1	1434.0	928.1	905.3	706.2	564.2	497.0	474.2	465.3	464.0
70°	15217.0	8648.2	1117.0	885.0	859.6	685.9	532.5	462.8	428.5	414.6	413.3
71°	14362.5	7961.0	1058.7	863.4	825.4	665.6	518.6	447.6	412.1	396.8	394.3
72.5°	13022.3	7136.9	987.7	829.2	759.5	613.7	491.9	426.0	389.2	371.5	367.7
75°	9345.5	4667.0	848.2	739.2	628.9	489.4	431.1	382.9	351.2	329.6	327.1
77.5°	3600.8	1857.4	641.5	614.9	481.8	382.9	355.0	330.9	308.1	286.5	285.3
80°	1113.2	830.5	467.8	462.8	348.7	285.3	276.4	270.1	261.2	238.4	233.3
82.5°	594.6	476.7	322.0	299.2	228.2	190.2	200.3	202.9	204.1	180.0	177.5
85°	284.0	252.3	181.3	169.9	133.1	106.5	123.0	133.1	134.4	110.3	102.7
87.5°	135.7	131.9	84.9	64.7	49.4	35.5	43.1	53.3	58.3	41.8	36.8
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)