

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: P321454

Luminaire Tested: **GLEON-SA0C-830-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321454
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-SA0C-830-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

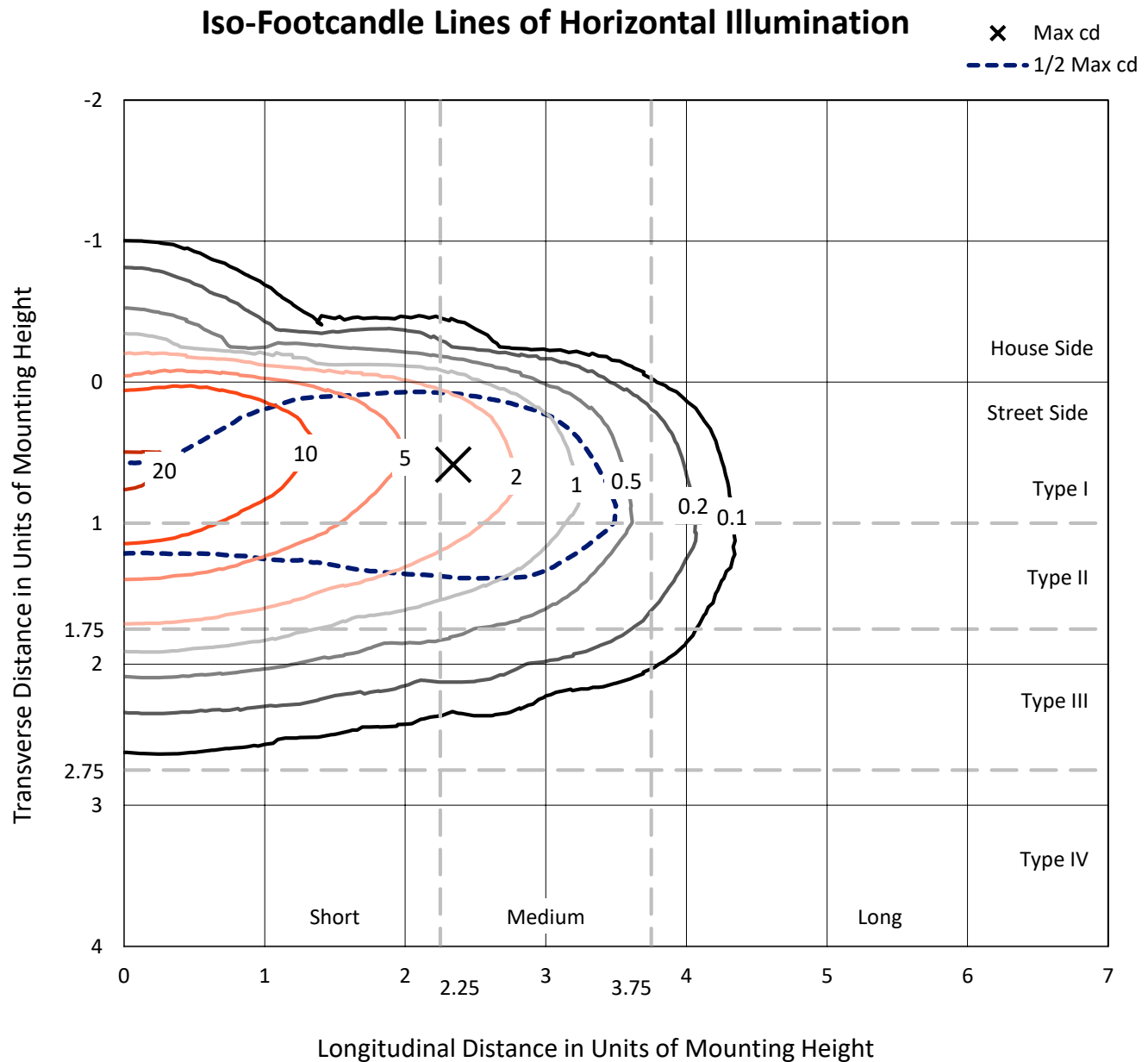
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44904 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

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



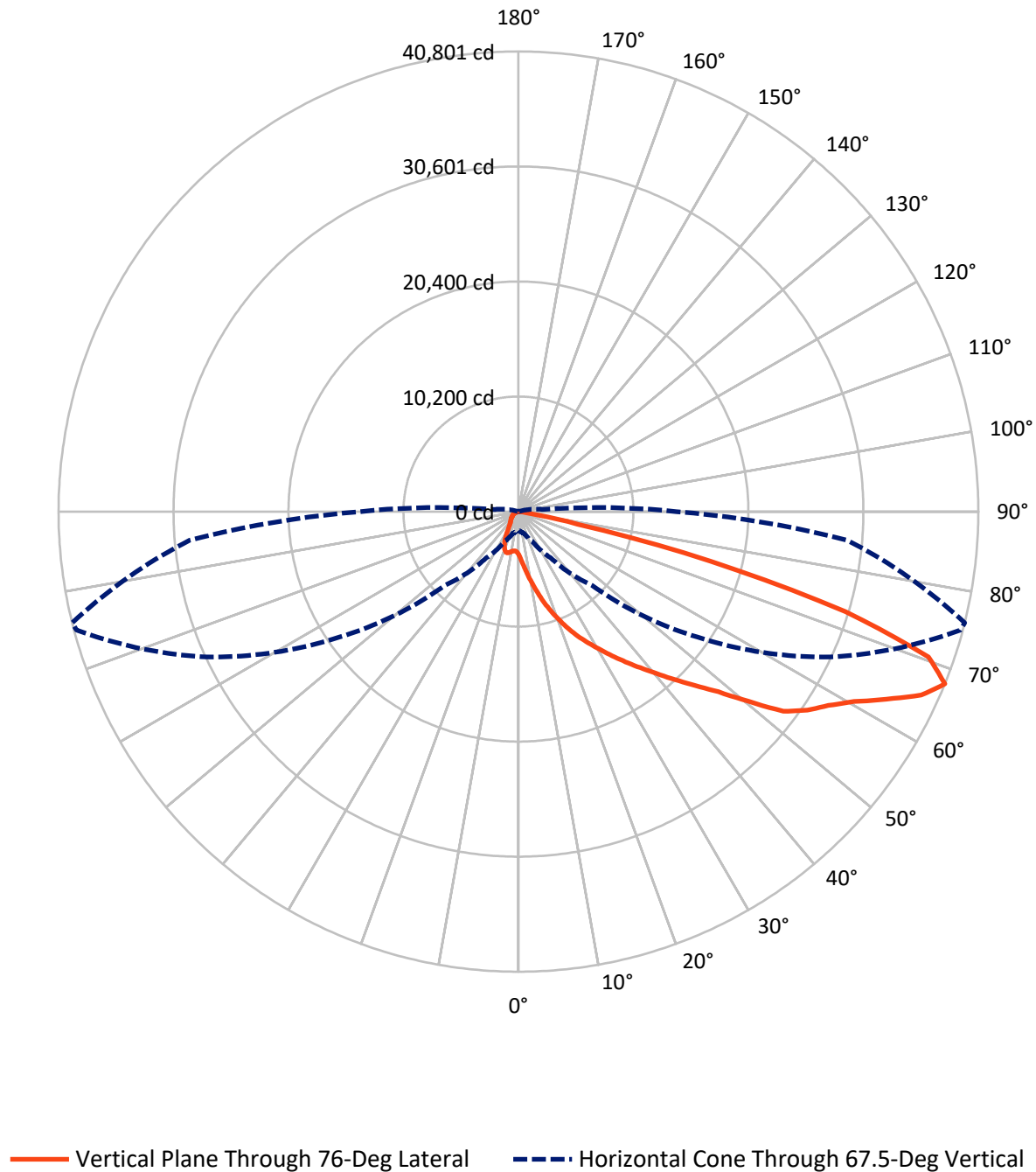
REPORT NUMBER: P321454
CATALOG NUMBER: GLEON-SA0C-830-U-T2R-HSS



Based on 25 foot mounting height. Maximum calculated value = 21.5 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	2229.8	0.0	2229.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	42674.2	0.0	42674.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	44904.0	0.0	44904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.7	1.1
10°-20°	1877.7	4.2
20°-30°	3820.4	8.5
30°-40°	6631.0	14.8
40°-50°	9368.8	20.9
50°-60°	10624.7	23.7
60°-70°	8812.2	19.6
70°-80°	3192.0	7.1
80°-90°	103.5	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°	44904.0	100.0
0°-180°	44904.0	100.0

Coefficient of Utilization



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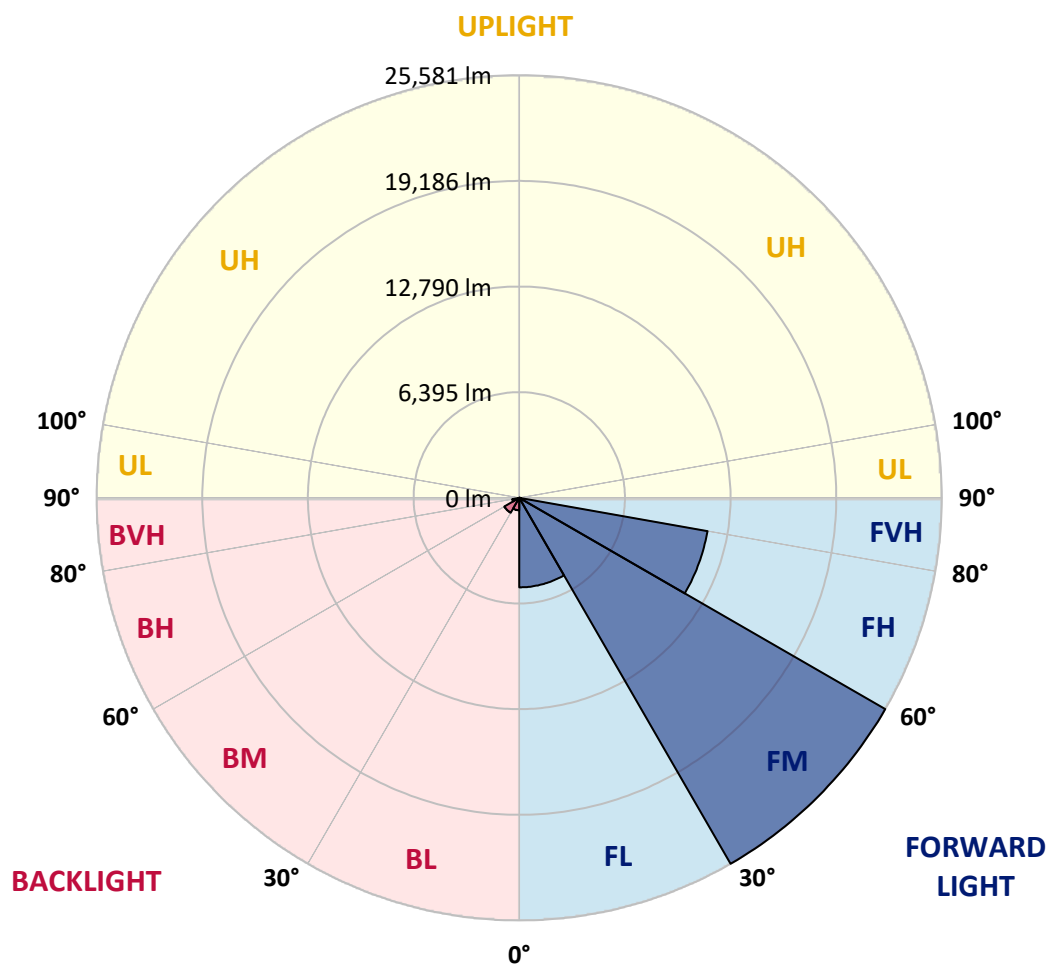
CATALOG NUMBER: GLEON-SA0C-830-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5419.8	12.1			
FM	(30°-60°)	25580.9	57.0			
FH	(60°-80°)	11573.3	25.8			G4/12000
FVH	(80°-90°)	100.3	0.2			G2/225
BL	(0°-30°)	752.0	1.7	B2/1000		
BM	(30°-60°)	1043.6	2.3	B2/2500		
BH	(60°-80°)	430.9	1.0	B1/500		G1/500
BVH	(80°-90°)	3.3	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-G4

Type II Medium



REPORT NUMBER: P321454

CATALOG NUMBER: GLEON-SA0C-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2
2.5°	5686.2	5558.3	5587.8	5505.2	5355.6	5048.7	4787.0	4539.1	4249.9	4240.1	4002.0
5°	7667.5	7559.3	7545.5	7378.3	7106.8	6585.4	6077.7	5499.3	4853.9	4806.7	4301.0
7.5°	9465.8	9379.3	9347.8	9149.1	8643.4	8135.8	7474.7	6624.7	5615.4	5528.8	4704.4
10°	10847.1	10805.7	10813.6	10671.9	10239.1	9766.9	8899.2	7815.1	6479.1	6345.3	5188.4
12.5°	11893.8	11903.6	11974.5	11887.9	11645.9	11295.7	10368.9	9084.1	7435.3	7252.4	5741.3
15°	12663.1	12712.3	12842.1	12950.4	12932.6	12629.6	11779.7	10372.9	8450.6	8247.9	6357.1
17.5°	13160.9	13216.0	13404.9	13644.9	13865.3	13794.4	13141.2	11616.4	9477.6	9243.5	7016.3
20°	13597.7	13662.6	13865.3	14182.0	14593.3	14681.8	14252.9	12822.5	10502.7	10217.4	7697.0
22.5°	14544.1	14542.1	14666.1	14851.0	15242.5	15470.8	15199.3	13942.0	11516.0	11218.9	8391.6
25°	16255.8	16190.9	16147.6	16002.0	16088.6	16230.2	16078.7	14988.7	12535.2	12234.2	9095.9
27.5°	18290.3	18329.6	17979.4	17587.9	17284.8	17139.3	16891.3	15958.7	13515.0	13184.5	9784.6
30°	20436.9	20448.7	20035.5	19535.7	18868.7	18315.8	17886.9	16885.4	14522.4	14162.4	10453.5
32.5°	22372.9	22296.2	21886.9	21206.2	20364.1	19742.3	18851.0	17920.4	15588.8	15240.6	11197.3
35°	23907.6	23817.1	23319.3	22699.5	21825.9	21200.3	20127.9	18953.3	16710.3	16369.9	11943.0
37.5°	25029.1	24922.8	24411.3	23773.8	23020.2	22656.2	21609.5	20076.8	17934.1	17568.2	12728.0
40°	25418.7	25326.2	25005.5	24539.2	23933.2	23850.5	23181.6	21369.5	19266.2	18876.6	13617.4
42.5°	25186.5	25096.0	24981.9	24824.5	24572.6	24651.3	24665.1	22843.2	20745.8	20362.1	14599.2
45°	24265.7	24185.0	24303.1	24533.3	24846.1	25235.7	26018.8	24427.0	22398.5	21989.2	15734.4
47.5°	22910.0	22851.0	23177.6	23752.2	24667.1	25741.3	27256.3	26091.6	24253.9	23874.1	17151.1
50°	20981.9	20972.0	21625.2	22673.9	24080.7	25985.3	28535.2	27984.3	26831.4	26431.9	19120.6
52.5°	17979.4	17999.1	19283.9	20962.2	23051.7	25820.0	29357.7	30416.2	29829.9	29414.7	20826.4
55°	15120.6	15238.6	16149.6	18569.7	21473.7	25206.2	29641.0	31551.5	31484.6	31091.1	21774.8
57.5°	12320.7	12535.2	13412.7	15673.4	19169.8	23791.5	29485.6	32043.4	32716.3	32415.2	23026.1
60°	9286.8	9385.2	10396.5	12509.6	16212.5	21210.1	28358.2	32311.0	34400.5	34191.9	24842.2
62.5°	5908.5	6154.5	7051.7	9090.0	12623.7	17625.2	26457.5	32307.0	36507.7	36621.8	27185.5
65°	3112.7	3399.9	3876.1	5633.1	8674.9	13621.3	23598.7	32004.0	39093.1	39252.4	29017.3
67.5°	1678.3	1760.9	2012.8	2923.8	5031.0	9227.8	19398.0	30508.7	40590.4	40800.9	29273.1
70°	1227.7	1273.0	1367.4	1617.3	2532.2	5359.6	14154.5	27118.6	38660.2	38581.5	26008.9
72.5°	942.5	1013.3	1084.1	1184.5	1456.0	2860.8	8812.6	21235.7	30847.1	30327.7	19441.3
75°	743.7	755.5	855.9	946.4	1092.0	1629.1	3913.4	12368.0	18827.4	17597.7	10081.7
77.5°	594.2	602.1	661.1	739.8	877.5	1070.3	1212.0	4865.7	6010.8	5363.5	2187.9
80°	352.2	371.9	491.9	570.6	728.0	674.9	442.7	1056.6	938.5	850.0	367.9
82.5°	196.8	212.5	277.4	450.6	507.6	322.7	220.4	285.3	220.4	214.5	104.3
85°	0.0	9.8	179.0	279.4	206.6	70.8	92.5	94.4	64.9	61.0	41.3
87.5°	0.0	0.0	55.1	53.1	7.9	11.8	21.6	31.5	25.6	25.6	21.6
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-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2	3809.2
2.5°	3883.9	3777.7	3577.0	3380.2	3215.0	3079.2	2957.2	2908.0	2868.7	2862.8	2831.3
5°	4057.1	3842.6	3458.9	3144.1	2933.6	2784.1	2656.2	2577.5	2516.5	2492.9	2471.2
7.5°	4318.8	3994.1	3443.2	3081.2	2829.3	2577.5	2341.4	2085.6	1926.2	1865.2	1829.8
10°	4637.5	4194.8	3502.2	3063.5	2622.7	2091.5	1700.0	1375.3	1243.5	1200.2	1188.4
12.5°	5009.4	4444.7	3604.5	2953.3	2182.0	1485.5	1172.7	1062.5	1033.0	1019.2	1019.2
15°	5436.3	4718.2	3677.3	2634.5	1613.4	1123.5	1015.3	964.1	932.6	914.9	916.9
17.5°	5873.1	4985.7	3641.9	2172.2	1190.4	999.5	918.8	863.8	820.5	802.8	798.8
20°	6313.8	5233.7	3445.2	1617.3	1007.4	907.0	816.5	755.5	712.2	694.5	690.6
22.5°	6770.3	5444.2	3098.9	1186.4	905.1	804.7	716.2	655.2	613.9	598.1	590.3
25°	7215.0	5615.4	2614.9	960.2	808.7	708.3	623.7	566.7	529.3	513.5	511.6
27.5°	7630.1	5723.6	2054.1	848.0	724.1	621.7	545.0	493.9	462.4	450.6	448.6
30°	8004.0	5733.4	1518.9	765.4	649.3	547.0	476.1	430.9	403.3	391.5	387.6
32.5°	8381.7	5650.8	1105.8	690.6	580.4	482.0	413.2	377.8	358.1	348.3	348.3
35°	8737.9	5459.9	861.8	625.7	513.5	419.1	364.0	338.4	326.6	316.8	316.8
37.5°	9086.1	5186.4	731.9	568.6	450.6	366.0	320.7	305.0	295.1	285.3	285.3
40°	9440.3	4842.1	665.0	515.5	399.4	324.6	285.3	271.5	261.7	253.8	251.8
42.5°	9875.1	4444.7	621.7	466.3	354.2	287.3	251.8	236.1	228.2	220.4	216.4
45°	10378.8	4102.3	586.3	417.1	316.8	255.8	218.4	202.7	190.9	181.0	179.0
47.5°	11104.8	3854.4	539.1	364.0	281.4	222.3	188.9	171.2	153.5	143.6	141.7
50°	12031.5	3649.8	478.1	316.8	245.9	188.9	157.4	135.8	120.0	110.2	110.2
52.5°	12491.9	3382.2	423.0	275.5	206.6	159.4	127.9	102.3	94.4	84.6	84.6
55°	12676.9	3177.6	367.9	234.1	171.2	131.8	100.3	78.7	72.8	66.9	64.9
57.5°	13196.3	3118.6	320.7	198.7	141.7	104.3	76.7	59.0	55.1	47.2	47.2
60°	14032.5	3148.1	277.4	169.2	114.1	80.7	57.1	45.3	41.3	33.4	33.4
62.5°	14935.6	3110.7	234.1	145.6	88.5	59.0	39.4	33.4	33.4	19.7	17.7
65°	15108.7	2770.3	200.7	120.0	68.9	43.3	25.6	21.6	29.5	3.9	0.0
67.5°	14022.7	2148.6	173.1	92.5	51.2	33.4	19.7	9.8	25.6	0.0	0.0
70°	11213.0	1365.5	139.7	66.9	39.4	27.5	15.7	3.9	19.7	0.0	0.0
72.5°	7929.2	792.9	110.2	47.2	33.4	21.6	11.8	0.0	11.8	0.0	0.0
75°	4009.8	423.0	68.9	35.4	25.6	15.7	7.9	0.0	2.0	0.0	0.0
77.5°	867.7	196.8	43.3	25.6	17.7	9.8	3.9	0.0	0.0	0.0	0.0
80°	188.9	86.6	27.5	15.7	9.8	5.9	0.0	0.0	0.0	0.0	0.0
82.5°	68.9	45.3	13.8	7.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	37.4	23.6	7.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.7	7.9	2.0	2.0	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 [^] /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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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)