

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: P324962

Luminaire Tested: **GLEON-SA8B-830-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
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-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29793 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

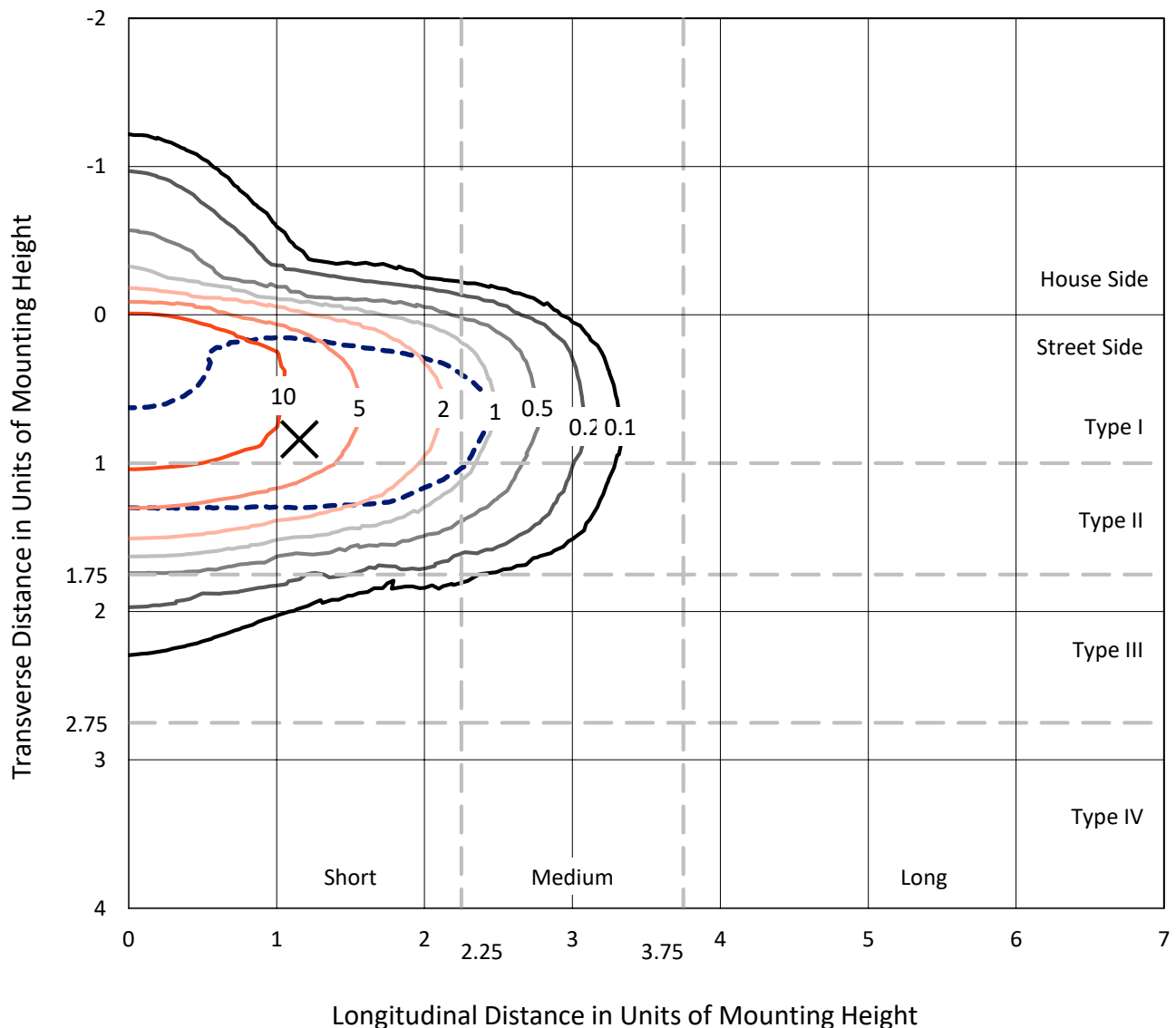
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324962
 CATALOG NUMBER: GLEON-SA8B-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

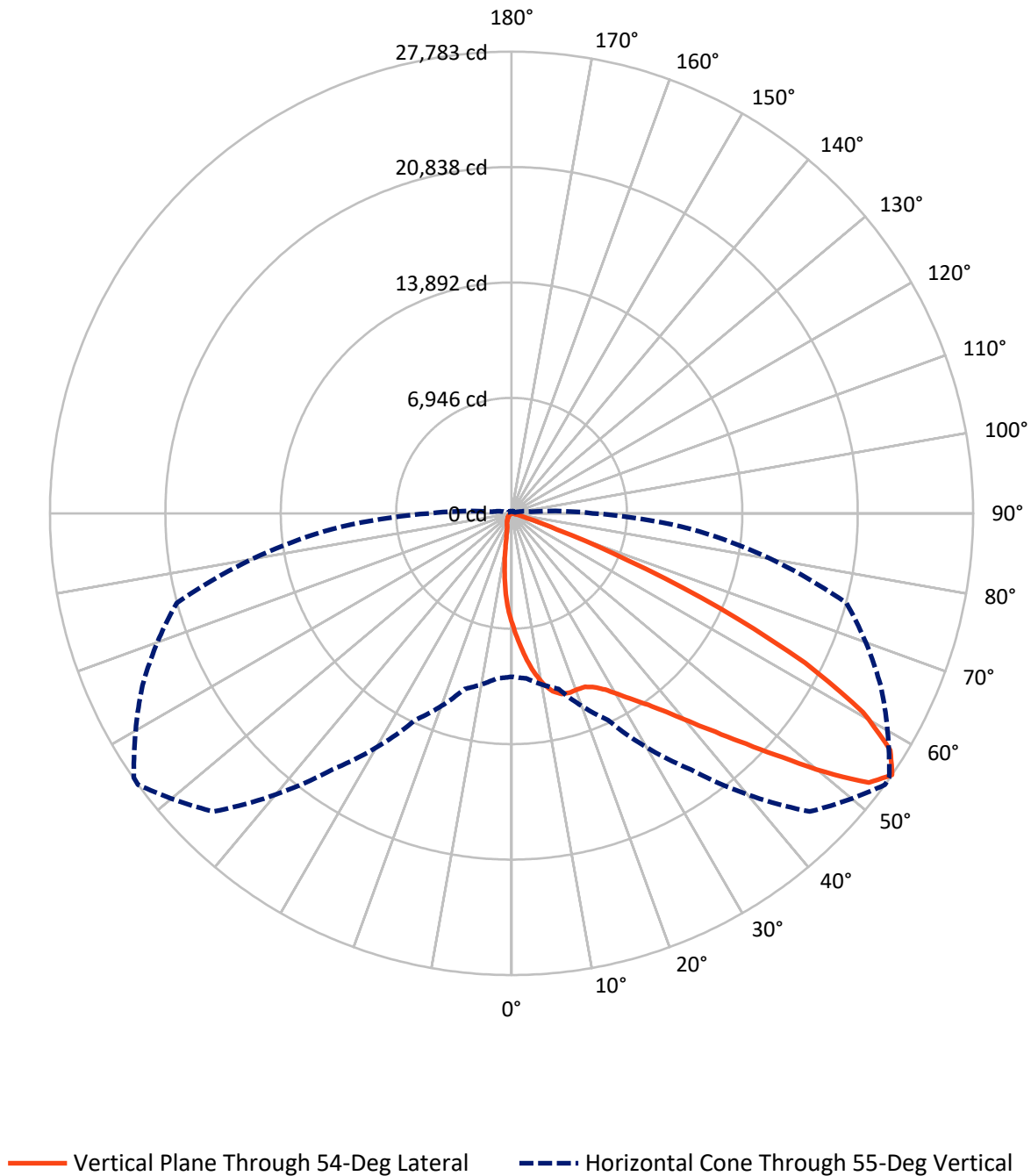
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

REPORT NUMBER: P324962
CATALOG NUMBER: GLEON-SA8B-830-U-AFL-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1486.5	0.0	1486.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	28306.5	0.0	28306.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	29793.0	0.0	29793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.5	2.1
10°-20°	1685.2	5.7
20°-30°	2877.1	9.7
30°-40°	4617.3	15.5
40°-50°	7378.5	24.8
50°-60°	7906.2	26.5
60°-70°	4059.3	13.6
70°-80°	614.9	2.1
80°-90°	40.0	0.1
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°	29793.0	100.0
0°-180°	29793.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324962

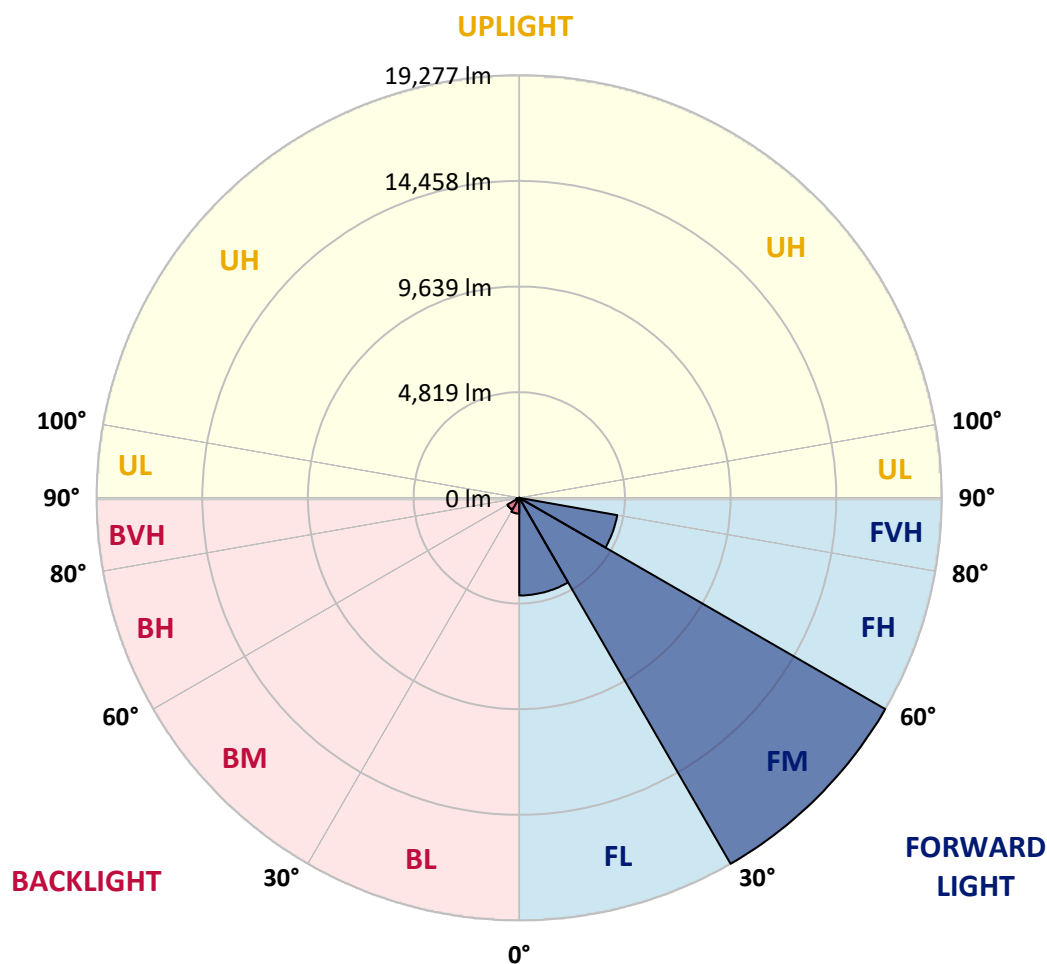
CATALOG NUMBER: GLEON-SA8B-830-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4453.5	14.9			
FM	(30°-60°)	19277.4	64.7			
FH	(60°-80°)	4537.2	15.2			G2/5000
FVH	(80°-90°)	38.4	0.1			G1/100
BL	(0°-30°)	723.2	2.4	B2/1000		
BM	(30°-60°)	624.6	2.1	B1/1000		
BH	(60°-80°)	137.0	0.5	B1/500		G1/500
BVH	(80°-90°)	1.6	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-G2

Type II Short





REPORT NUMBER: P324962

CATALOG NUMBER: GLEON-SA8B-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4
2.5°	8373.4	8248.6	8252.4	8195.8	7988.7	7826.5	7658.0	7618.1	7355.6	7080.3	6815.3
5°	9820.8	9729.5	9707.6	9598.2	9310.0	9005.1	8678.3	8602.4	8089.0	7525.5	6970.9
7.5°	10564.5	10565.8	10547.8	10507.9	10327.7	10031.8	9633.0	9553.2	8854.6	8009.2	7133.0
10°	10348.3	10397.2	10497.6	10630.1	10767.8	10730.5	10430.7	10358.6	9599.5	8521.3	7313.2
12.5°	9844.0	9850.4	9962.3	10179.8	10576.1	10982.6	10987.8	10963.3	10311.0	9056.6	7511.3
15°	9593.1	9617.5	9658.7	9798.9	10174.6	10825.7	11291.4	11326.2	10963.3	9625.2	7722.3
17.5°	9757.8	9792.5	9757.8	9774.5	9991.9	10577.3	11344.2	11432.9	11533.3	10187.5	7921.7
20°	10204.2	10236.4	10174.6	10106.4	10148.9	10505.3	11306.9	11426.5	11979.8	10686.7	8089.0
22.5°	10806.4	10819.2	10725.3	10613.4	10582.5	10749.8	11337.7	11461.3	12337.4	11138.3	8194.5
25°	11469.0	11480.6	11363.5	11234.8	11161.5	11229.7	11591.2	11683.8	12652.7	11569.3	8255.0
27.5°	12190.8	12201.1	12054.4	11896.1	11811.2	11813.8	12009.4	12108.4	12988.5	12060.8	8303.9
30°	12953.7	12948.6	12813.5	12593.5	12485.4	12482.8	12611.5	12711.9	13474.8	12691.3	8370.8
32.5°	13810.6	13800.3	13608.6	13335.9	13213.6	13231.6	13346.2	13404.1	14078.2	13362.9	8490.4
35°	14939.0	14909.4	14619.9	14281.5	14056.4	14049.9	14146.4	14192.8	14847.7	14176.0	8689.9
37.5°	16403.2	16376.2	15983.7	15492.2	15175.7	15057.4	15171.9	15231.1	15945.1	15219.5	9010.2
40°	17846.8	17819.8	17586.9	17136.6	16648.9	16364.6	16454.6	16517.7	17315.4	16485.5	9414.2
42.5°	18842.6	18865.8	18946.8	18984.1	18527.4	17930.4	17971.6	18037.2	18755.1	17839.1	9876.1
45°	19105.1	19155.3	19613.3	20512.7	20683.8	20218.0	19787.0	19823.0	20218.0	19192.6	10338.0
47.5°	18316.4	18409.0	19292.9	20965.6	22414.3	22743.7	21927.9	21880.3	21621.7	20287.5	10666.1
50°	16524.1	16609.0	17754.1	20228.3	22939.2	25154.8	24493.5	24353.2	22853.0	20942.4	10781.9
52.5°	13930.3	14033.2	14963.4	17907.2	21949.8	26230.4	26922.6	26805.5	23756.2	20993.9	10801.2
55°	9837.5	9962.3	10946.6	13724.4	18814.3	25374.8	27783.4	27748.6	24506.3	20857.5	10842.4
57.5°	5528.6	5618.7	6680.2	8797.9	13779.8	22101.6	26884.0	27114.3	24959.2	20620.7	10904.1
60°	2454.9	2479.3	3028.7	4379.7	8067.1	16890.8	24309.5	24698.0	24570.7	20304.2	11008.4
62.5°	1361.2	1340.7	1340.7	1820.6	3506.1	10456.4	19823.0	20465.1	22912.2	19929.8	11013.5
65°	1066.6	1047.3	992.0	999.7	1335.5	4640.9	13727.0	14868.2	19762.6	18832.3	10643.0
67.5°	904.5	887.8	832.4	810.6	829.9	1531.1	7542.2	8727.2	14995.6	15979.9	9218.7
70°	764.3	752.7	724.4	697.4	648.5	756.5	2885.9	3691.3	9240.5	10630.1	6292.9
72.5°	615.0	609.9	620.2	597.0	537.8	504.4	986.8	1195.3	4150.7	4743.8	2592.5
75°	530.1	527.5	532.7	509.5	442.6	351.2	501.8	548.1	1170.8	1160.5	524.9
77.5°	344.8	348.7	441.3	431.0	380.8	234.2	259.9	280.5	355.1	266.3	159.5
80°	220.0	217.4	223.9	357.7	342.2	178.8	129.9	136.4	171.1	131.2	77.2
82.5°	133.8	131.2	146.7	167.3	172.4	124.8	79.8	81.1	106.8	84.9	41.2
85°	11.6	15.4	88.8	82.3	59.2	38.6	38.6	41.2	56.6	50.2	23.2
87.5°	0.0	0.0	15.4	23.2	12.9	14.2	14.2	15.4	21.9	21.9	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P324962

CATALOG NUMBER: GLEON-SA8B-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4	6672.4
2.5°	6677.6	6543.8	6273.6	6013.7	5793.7	5581.4	5339.5	5100.2	4988.2	4943.2	4896.9
5°	6689.2	6413.8	5856.7	5295.7	4714.2	4190.5	3744.1	3286.0	3057.0	2956.7	2910.3
7.5°	6704.6	6285.2	5384.5	4442.7	3506.1	2795.8	2175.7	1776.8	1604.4	1577.4	1510.5
10°	6707.2	6129.5	4836.4	3500.9	2350.7	1685.5	1296.9	1091.1	1015.1	1002.3	980.4
12.5°	6712.3	5945.5	4227.8	2592.5	1567.1	1127.1	937.9	869.8	849.2	847.9	847.9
15°	6727.8	5752.5	3596.1	1868.2	1125.8	892.9	823.4	796.4	788.7	792.6	791.3
17.5°	6727.8	5524.8	2976.0	1392.1	909.6	802.9	764.3	746.2	743.7	747.5	748.8
20°	6678.9	5248.1	2407.3	1083.3	806.7	745.0	710.2	693.5	687.1	689.6	690.9
22.5°	6561.8	4908.5	1944.1	896.8	738.5	692.2	654.9	629.2	618.9	620.2	620.2
25°	6379.1	4505.8	1520.8	775.8	683.2	635.6	591.8	562.3	555.8	554.5	557.1
27.5°	6144.9	4060.6	1210.7	683.2	617.6	572.5	528.8	504.4	499.2	500.5	501.8
30°	5914.6	3598.7	954.7	604.7	544.2	501.8	468.3	456.8	456.8	460.6	461.9
32.5°	5703.6	3154.8	755.2	536.5	478.6	440.0	420.7	419.4	425.9	428.4	429.7
35°	5522.2	2744.4	625.3	483.8	427.2	393.7	387.3	392.4	400.1	405.3	406.6
37.5°	5393.5	2377.7	546.8	440.0	387.3	360.3	359.0	369.3	379.6	391.1	393.7
40°	5339.5	2067.6	492.8	401.4	355.1	334.5	330.7	344.8	364.1	380.8	383.4
42.5°	5294.5	1814.1	446.5	364.1	329.4	299.8	298.5	316.5	339.7	356.4	360.3
45°	5255.9	1610.9	404.0	324.2	295.9	257.3	261.2	284.3	302.4	320.4	324.2
47.5°	5176.1	1443.6	357.7	281.8	244.5	220.0	227.7	248.3	262.5	289.5	293.4
50°	5033.3	1307.2	310.1	230.3	199.4	190.4	202.0	216.2	234.2	257.3	259.9
52.5°	4936.8	1204.3	268.9	193.0	164.7	167.3	178.8	184.0	194.3	203.3	200.7
55°	4881.5	1147.7	235.5	167.3	140.2	148.0	150.5	144.1	139.0	129.9	126.1
57.5°	4875.0	1096.2	209.7	145.4	123.5	127.4	118.4	96.5	78.5	68.2	65.6
60°	4864.7	1033.2	189.1	122.2	109.4	104.2	84.9	52.8	37.3	34.7	34.7
62.5°	4752.8	935.4	173.7	102.9	92.6	78.5	48.9	24.4	20.6	21.9	21.9
65°	4396.4	799.0	158.3	83.6	73.3	56.6	24.4	14.2	7.7	9.0	9.0
67.5°	3737.6	636.9	141.5	64.3	55.3	36.0	14.2	6.4	0.0	0.0	0.0
70°	2502.5	395.0	119.7	45.0	36.0	21.9	10.3	1.3	0.0	0.0	0.0
72.5°	959.8	213.6	96.5	27.0	23.2	15.4	6.4	0.0	0.0	0.0	0.0
75°	216.2	140.2	66.9	19.3	16.7	10.3	2.6	0.0	0.0	0.0	0.0
77.5°	82.3	101.6	38.6	12.9	11.6	6.4	0.0	0.0	0.0	0.0	0.0
80°	39.9	60.5	18.0	7.7	6.4	2.6	0.0	0.0	0.0	0.0	0.0
82.5°	20.6	23.2	7.7	3.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.6	11.6	3.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	3.9	1.3	1.3	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
 Rf: 81.5
 Rg: 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

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

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

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

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)