

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: P322411

Luminaire Tested: **GLEON-SA7C-830-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA7C-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28970 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

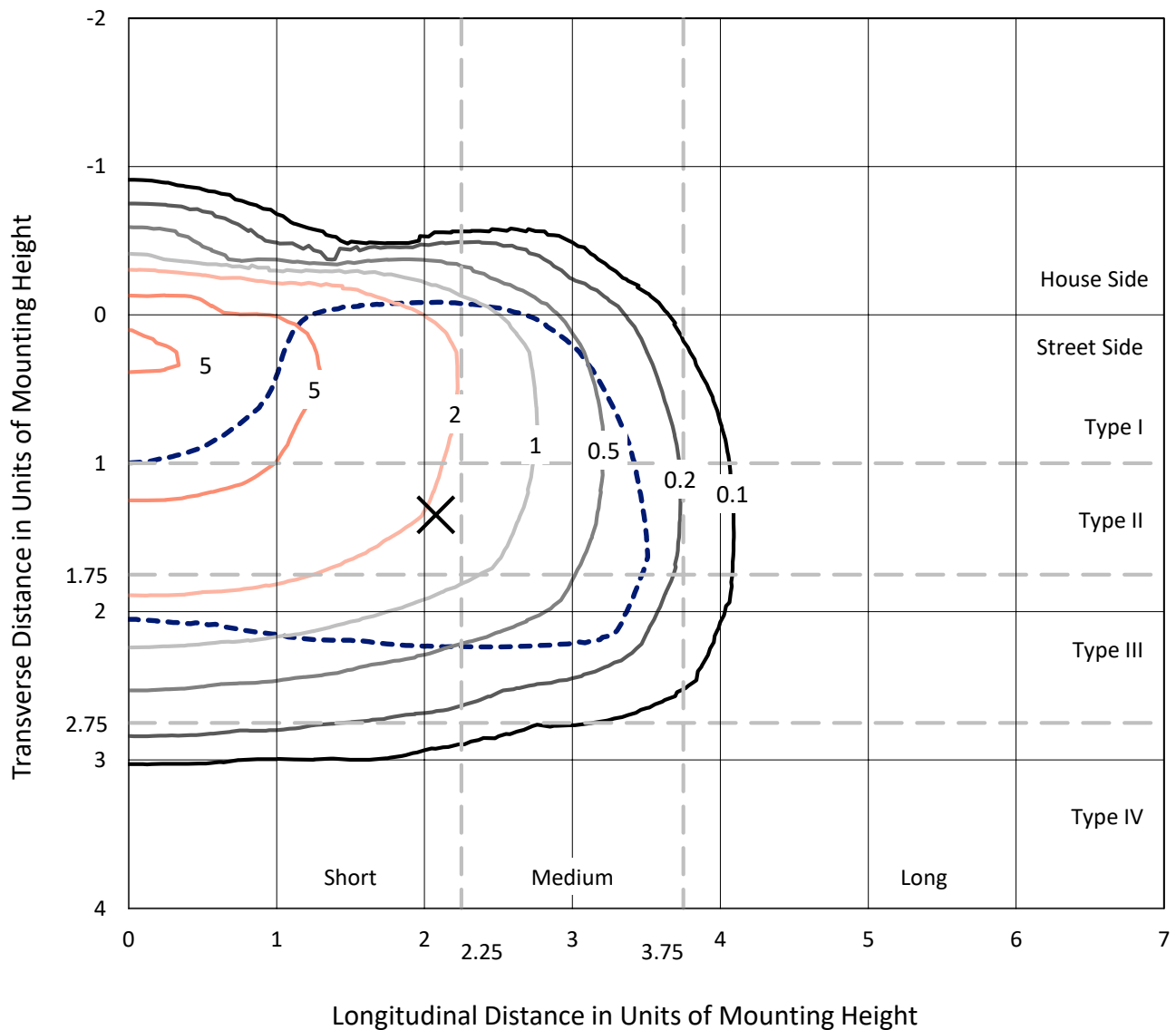
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

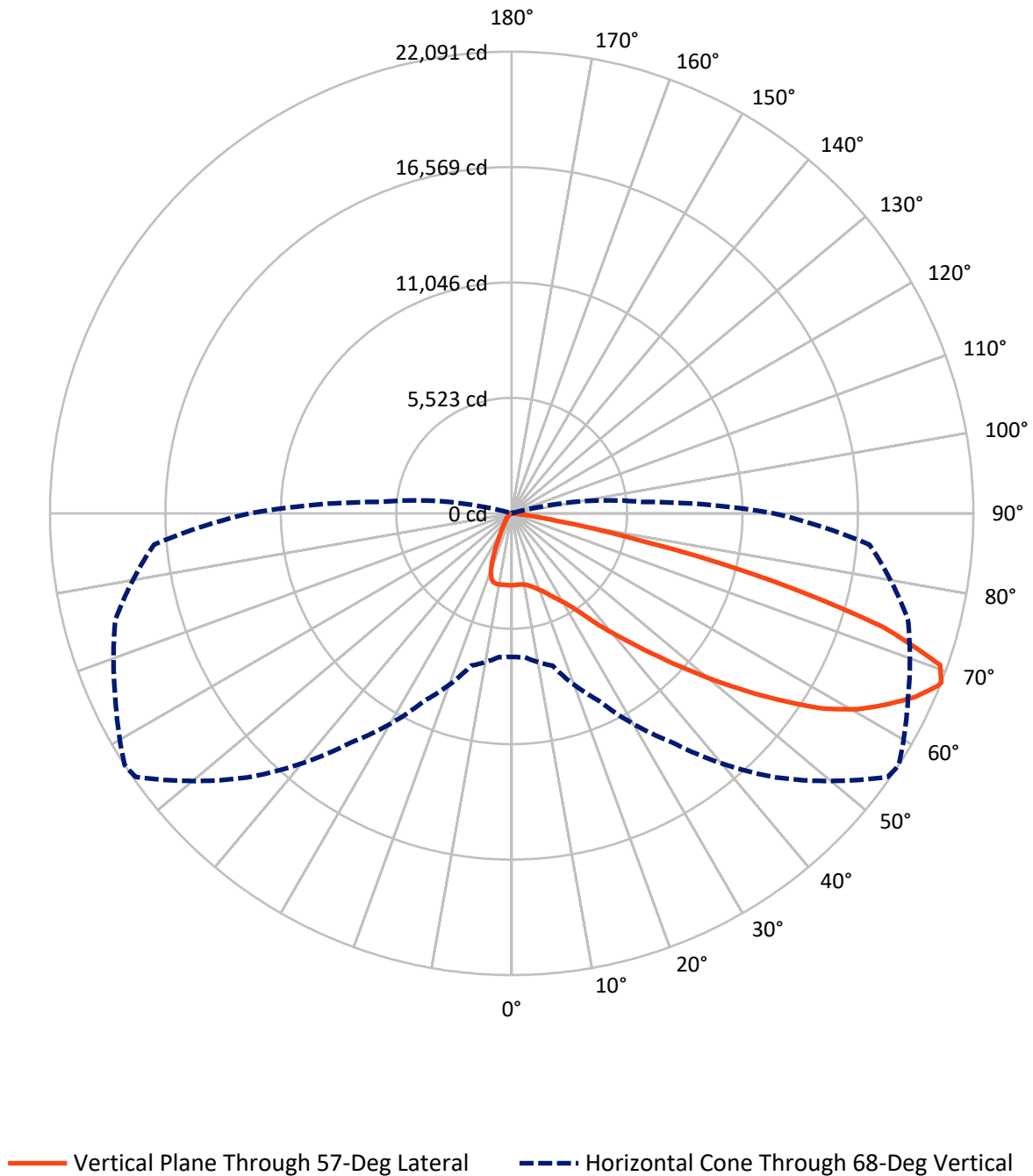
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3176.7	0.0	3176.7
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	25793.3	0.0	25793.3
	% Fixture	89.0	0.0	89.0
Total	Lumens	28970.0	0.0	28970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	1.1
10°-20°	892.7	3.1
20°-30°	1540.0	5.3
30°-40°	2658.0	9.2
40°-50°	4546.6	15.7
50°-60°	7274.1	25.1
60°-70°	8404.5	29.0
70°-80°	3211.5	11.1
80°-90°	120.4	0.4
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°	28970.0	100.0
0°-180°	28970.0	100.0

Coefficient of Utilization



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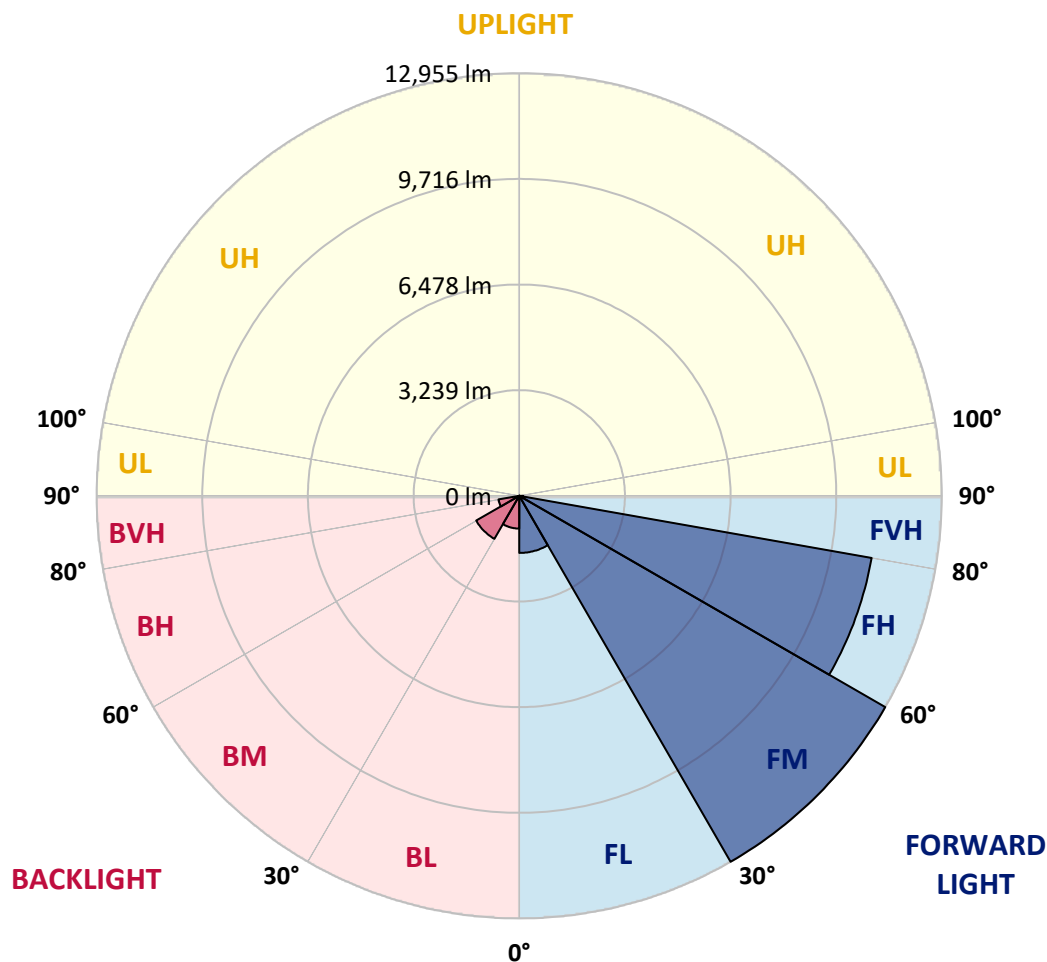
CATALOG NUMBER: GLEON-SA7C-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1751.0	6.0			
FM	(30°-60°)	12955.1	44.7			
FH	(60°-80°)	10969.0	37.9			G4/12000
FVH	(80°-90°)	118.2	0.4			G2/225
BL	(0°-30°)	1003.9	3.5	B3/2500		
BM	(30°-60°)	1523.6	5.3	B2/2500		
BH	(60°-80°)	647.0	2.2	B2/1000		G2/1000
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4
2.5°	3361.6	3376.6	3387.6	3394.5	3402.7	3420.5	3426.0	3434.2	3438.3	3438.3	3447.9
5°	3228.7	3245.1	3268.4	3287.6	3326.0	3375.3	3410.9	3424.6	3449.2	3471.2	3483.5
7.5°	3105.4	3124.6	3152.0	3197.2	3263.0	3342.4	3416.4	3435.6	3483.5	3530.1	3553.4
10°	3026.0	3041.0	3076.7	3141.0	3227.3	3338.3	3442.4	3465.7	3547.9	3626.0	3669.8
12.5°	2998.6	3012.3	3049.3	3121.9	3228.7	3358.8	3502.7	3536.9	3657.5	3771.2	3832.8
15°	3038.3	3041.0	3080.8	3149.3	3254.7	3409.5	3602.7	3643.8	3795.8	3943.8	4020.5
17.5°	3191.7	3179.4	3199.9	3230.1	3313.6	3476.6	3708.1	3769.8	3972.5	4146.5	4219.1
20°	3575.3	3575.3	3528.7	3446.5	3447.9	3580.8	3850.6	3920.5	4168.4	4369.8	4435.5
22.5°	4231.4	4219.1	4125.9	3924.6	3739.7	3760.2	4024.6	4115.0	4404.0	4619.1	4641.0
25°	5020.5	5005.4	4861.6	4578.0	4257.5	4050.6	4260.2	4364.3	4684.8	4875.2	4830.0
27.5°	5856.1	5843.7	5701.3	5349.2	4893.1	4513.6	4541.0	4639.6	4971.1	5158.8	5015.0
30°	6665.6	6669.7	6528.6	6167.0	5650.6	5104.0	4897.2	4954.7	5249.2	5439.6	5234.1
32.5°	7435.5	7441.0	7319.0	6914.9	6432.8	5790.3	5390.3	5375.2	5572.5	5760.2	5524.6
35°	8121.8	8135.5	8051.9	7738.2	7227.3	6554.7	6030.0	5994.4	6031.4	6243.7	5969.7
37.5°	8783.4	8791.6	8728.6	8464.2	8036.8	7394.4	6838.2	6787.5	6708.1	6871.1	6557.4
40°	9508.0	9487.5	9414.9	9175.2	8808.1	8321.8	7706.7	7619.0	7480.7	7625.9	7330.0
42.5°	10182.0	10158.7	10171.0	9899.8	9590.2	9275.2	8719.0	8568.3	8487.5	8654.6	8277.9
45°	11024.4	11012.1	11053.2	10817.6	10566.9	10338.2	9879.3	9714.9	9679.3	9875.2	9424.5
47.5°	11855.9	11886.1	12013.5	11913.5	11812.1	11610.7	11108.0	11034.0	11056.0	11292.9	10634.0
50°	12549.1	12584.7	12934.0	13049.1	13195.6	13077.8	12573.7	12528.5	12614.8	12828.5	11935.4
52.5°	13050.4	13123.0	13557.3	14087.4	14621.6	14701.1	14198.4	14157.3	14273.7	14306.6	12940.8
55°	13398.4	13462.8	13954.5	14924.4	16012.0	16354.5	16042.2	15883.3	15861.3	15536.7	13998.4
57.5°	13460.0	13453.2	14160.0	15465.5	17102.4	17986.0	17788.7	17632.5	17183.2	16673.7	15210.7
60°	13112.1	13151.8	13972.3	15653.1	17787.3	19220.2	19235.2	19032.5	18332.5	17779.1	16386.0
62.5°	12040.9	12202.5	13031.3	15161.4	17779.1	19717.4	20295.5	20140.7	19303.7	18684.6	17577.7
65°	10303.9	10361.4	11151.8	13476.5	16577.8	19509.2	21250.3	21192.7	20179.1	19564.0	18190.1
67.5°	7524.5	7399.9	8230.0	10612.1	14035.3	18295.5	21935.2	22007.8	20854.4	19744.8	17538.0
68°	6867.0	6904.0	7550.5	9903.9	13369.6	17866.8	21980.4	22091.4	20921.5	19627.0	17181.9
70°	4093.1	4164.3	4741.0	6819.0	10171.0	15440.8	21492.7	21746.2	20521.5	18412.0	14861.4
72.5°	1045.2	1130.1	1675.3	3052.0	5809.5	10879.2	18143.5	18572.2	17817.5	14936.7	10032.7
75°	430.1	452.0	598.6	1005.5	2164.3	4901.3	11958.7	12876.5	12351.8	8942.3	4534.2
77.5°	297.3	312.3	384.9	557.5	937.0	1661.6	5862.9	6525.9	5879.3	3052.0	989.0
80°	213.7	226.0	275.3	371.2	538.3	593.1	1910.9	2209.5	1754.8	669.9	245.2
82.5°	127.4	137.0	205.5	264.4	327.4	283.6	475.3	539.7	508.2	332.9	109.6
85°	63.0	74.0	138.4	189.0	176.7	119.2	145.2	161.6	200.0	202.7	58.9
87.5°	4.1	8.2	80.8	113.7	49.3	27.4	42.5	52.1	71.2	100.0	24.7
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-SA7C-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4	3442.4
2.5°	3452.0	3453.4	3443.8	3439.7	3442.4	3426.0	3419.1	3421.9	3421.9	3426.0	3419.1
5°	3486.2	3486.2	3469.8	3447.9	3435.6	3404.0	3383.5	3378.0	3373.9	3371.2	3365.7
7.5°	3560.2	3552.0	3523.2	3475.3	3434.2	3365.7	3313.6	3286.2	3272.5	3267.1	3263.0
10°	3679.4	3664.3	3616.4	3527.3	3432.8	3310.9	3197.2	3116.4	3049.3	3021.9	3005.4
12.5°	3839.7	3817.7	3736.9	3589.0	3423.2	3198.6	2952.0	2715.0	2494.5	2404.1	2358.9
15°	4024.6	3993.1	3865.7	3641.0	3367.1	2945.1	2409.5	1994.5	1689.0	1573.9	1524.6
17.5°	4212.2	4171.2	3978.0	3673.9	3198.6	2420.5	1690.4	1276.7	1072.6	1017.8	998.6
20°	4401.3	4341.0	4075.3	3649.2	2817.8	1745.2	1115.0	932.9	874.0	857.5	852.0
22.5°	4580.7	4487.6	4162.9	3553.4	2231.5	1171.2	882.2	824.6	805.5	795.9	793.1
25°	4736.9	4606.8	4239.6	3257.5	1579.4	884.9	794.5	775.3	750.7	732.9	734.2
27.5°	4883.5	4725.9	4286.2	2769.8	1053.4	756.1	735.6	709.6	664.4	638.3	638.3
30°	5060.2	4884.8	4320.5	2131.5	775.3	668.5	652.0	612.3	550.7	516.4	516.4
32.5°	5325.9	5125.9	4298.5	1495.9	642.5	587.7	549.3	494.5	427.4	394.5	393.1
35°	5732.8	5498.5	4142.4	980.8	567.1	510.9	449.3	382.2	323.3	295.9	294.5
37.5°	6280.7	5997.1	3791.7	701.4	508.2	439.7	365.7	291.8	247.9	230.1	228.8
40°	6991.6	6576.6	3290.3	568.5	453.4	371.2	282.2	226.0	195.9	182.2	183.6
42.5°	7845.1	7197.1	2689.0	490.4	400.0	305.5	220.5	178.1	158.9	149.3	146.6
45°	8793.0	7809.4	2058.9	437.0	346.6	246.6	172.6	141.1	126.0	120.5	120.5
47.5°	9835.4	8405.3	1506.8	390.4	289.0	190.4	138.4	115.1	102.7	98.6	97.3
50°	10782.0	8819.0	1086.3	341.1	237.0	150.7	112.3	95.9	87.7	82.2	82.2
52.5°	11571.0	8949.1	800.0	287.7	191.8	120.5	93.1	82.2	74.0	69.9	69.9
55°	12265.5	8895.7	594.5	237.0	154.8	98.6	79.5	69.9	63.0	58.9	58.9
57.5°	12931.3	8723.1	443.8	193.1	124.7	79.5	67.1	58.9	52.1	49.3	49.3
60°	13475.1	8435.5	330.1	156.2	100.0	64.4	56.2	47.9	42.5	38.4	38.4
62.5°	13916.2	8117.7	242.5	128.8	79.5	50.7	43.8	39.7	31.5	27.4	27.4
65°	13918.9	7590.3	182.2	106.8	61.6	39.7	32.9	31.5	20.5	16.4	15.1
67.5°	12912.1	6543.7	139.7	91.8	47.9	30.1	24.7	26.0	11.0	6.8	5.5
68°	12546.3	6278.0	131.5	90.4	45.2	28.8	23.3	26.0	9.6	5.5	4.1
70°	10577.9	4994.4	105.5	87.7	39.7	21.9	19.2	26.0	8.2	4.1	2.7
72.5°	6765.6	2898.6	78.1	69.9	30.1	16.4	12.3	23.3	8.2	2.7	1.4
75°	2879.4	898.6	53.4	49.3	17.8	12.3	8.2	15.1	5.5	1.4	0.0
77.5°	606.8	202.7	31.5	30.1	12.3	8.2	5.5	4.1	1.4	0.0	0.0
80°	156.2	58.9	16.4	15.1	6.8	4.1	2.7	0.0	0.0	0.0	0.0
82.5°	49.3	23.3	9.6	6.8	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.7	13.7	5.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	4.1	1.4	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

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



Color Vector Graphics

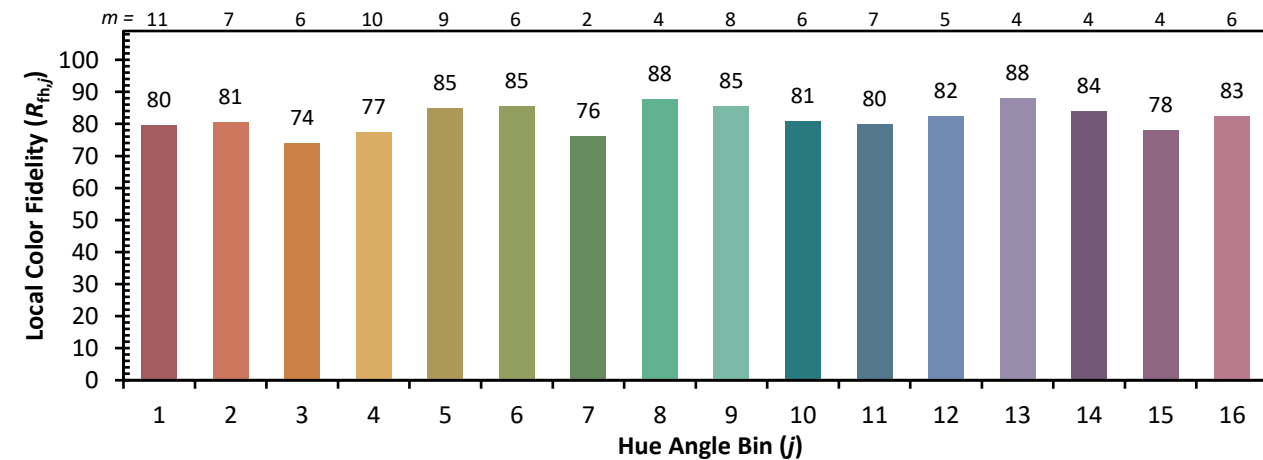


Individual Sample Fidelity Index ($R_{f,i}$)

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)