

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: P318573

Luminaire Tested: **GLEON-SA9C-830-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA9C-830-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50258 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

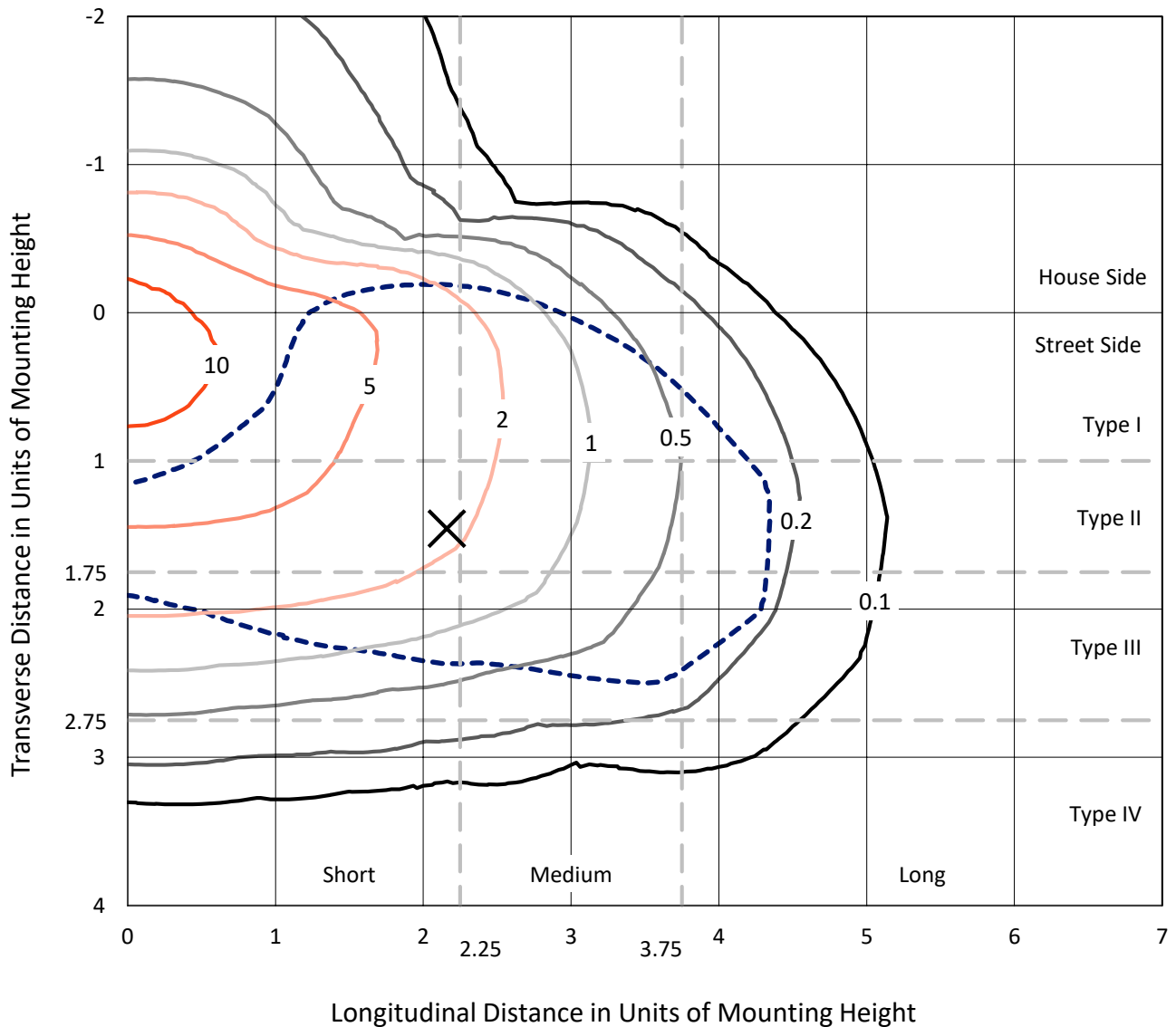
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318573
 CATALOG NUMBER: GLEON-SA9C-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

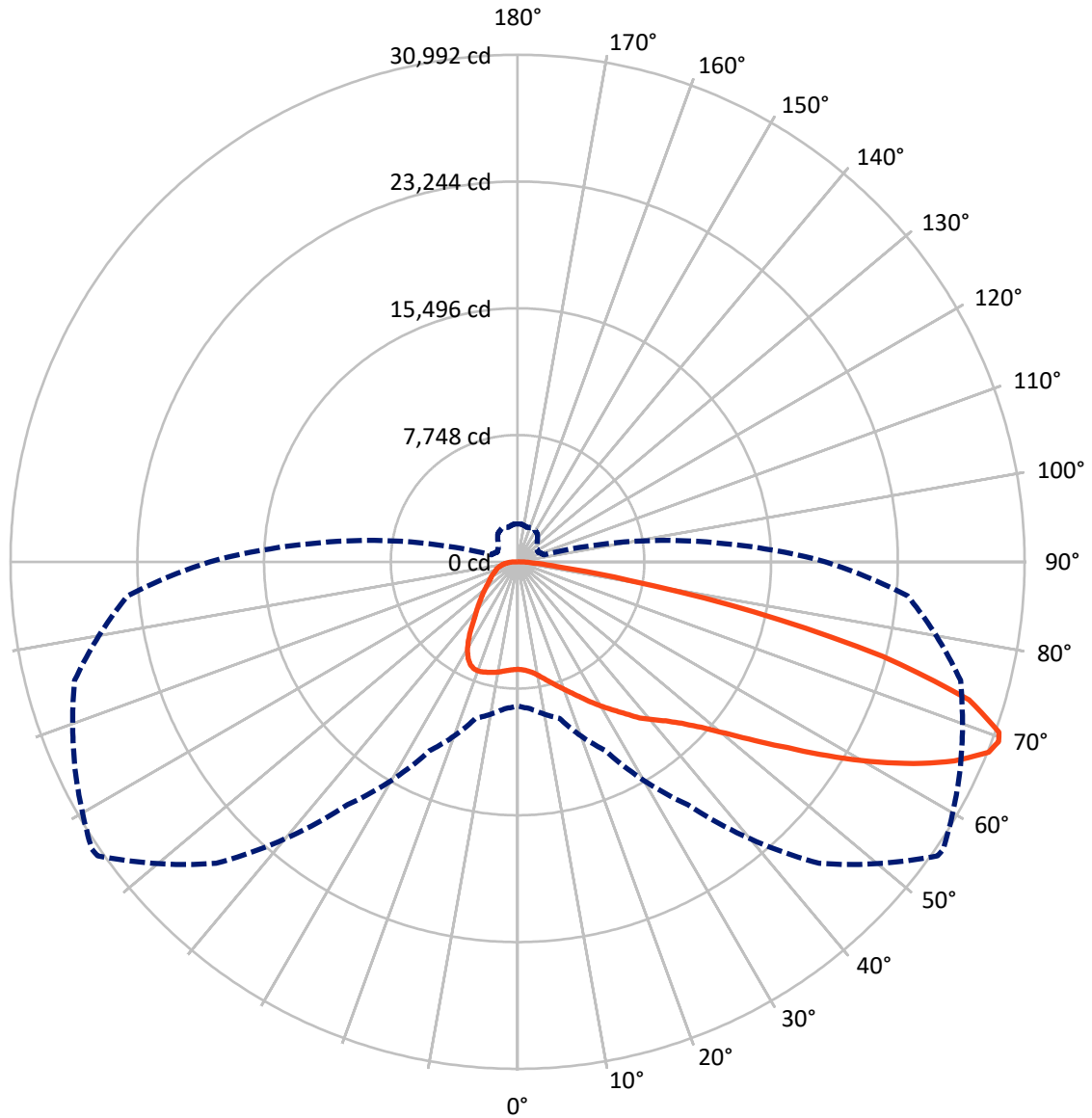
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Short - N/A

REPORT NUMBER: P318573
CATALOG NUMBER: GLEON-SA9C-830-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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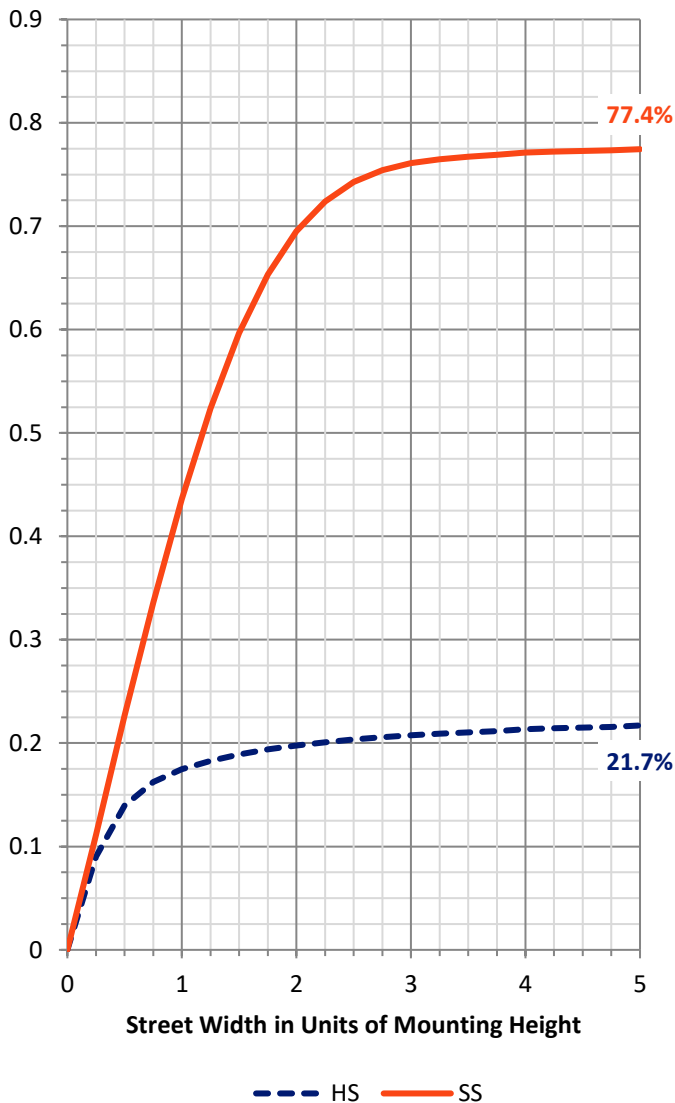
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11192.4	0.0	11192.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	39065.6	0.0	39065.6
	% Fixture	77.7	0.0	77.7
Total	Lumens	50258.0	0.0	50258.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.3	1.3
10°-20°	2075.1	4.1
20°-30°	3622.3	7.2
30°-40°	5203.4	10.4
40°-50°	7201.2	14.3
50°-60°	10550.7	21.0
60°-70°	12863.3	25.6
70°-80°	7111.7	14.2
80°-90°	985.0	2.0
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°	50258.0	100.0
0°-180°	50258.0	100.0



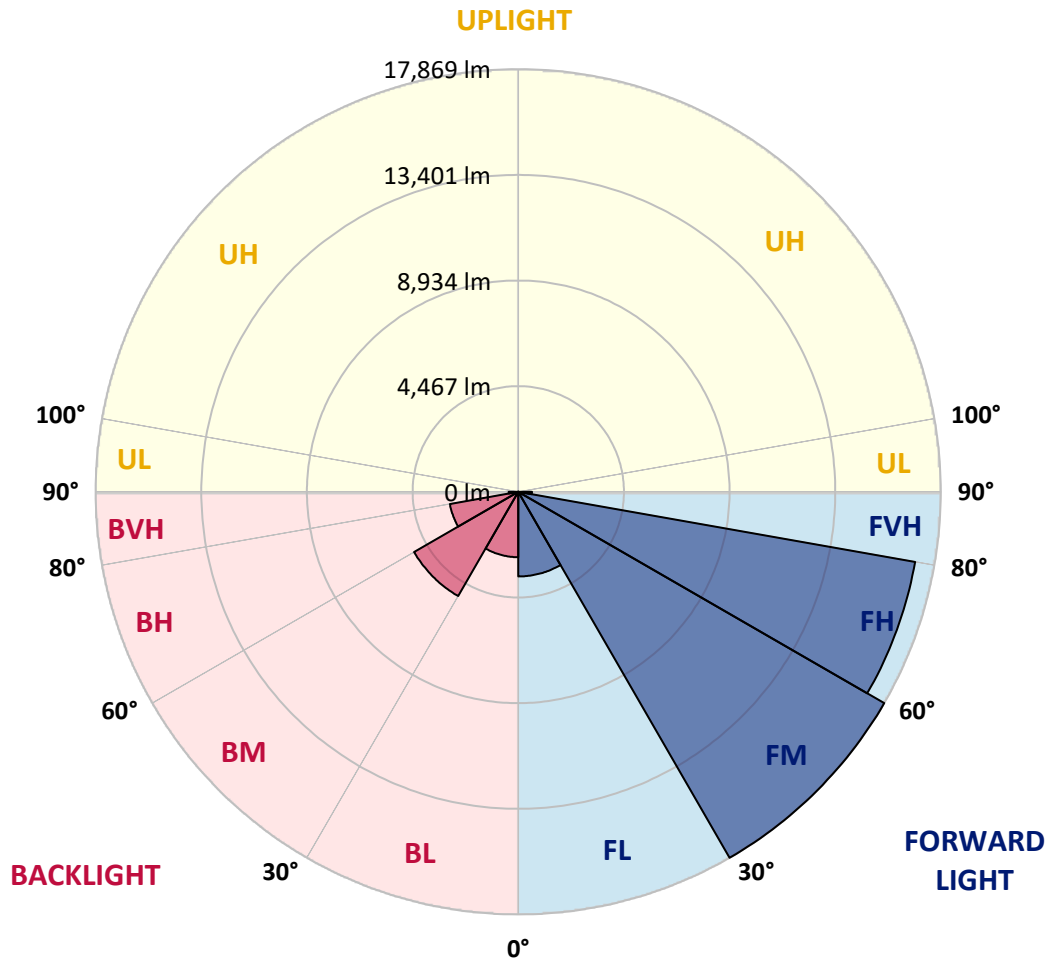
REPORT NUMBER: P318573
 CATALOG NUMBER: GLEON-SA9C-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3576.9	7.1			
FM (30°-60°)	17868.6	35.6			
FH (60°-80°)	17040.0	33.9			G5
FVH (80°-90°)	580.2	1.2			G4/750
BL (0°-30°)	2765.9	5.5	B4/5000		
BM (30°-60°)	5086.7	10.1	B4/8500		
BH (60°-80°)	2935.0	5.8	B4/5000		G4/5000
BVH (80°-90°)	404.8	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short





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CATALOG NUMBER: GLEON-SA9C-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5
2.5°	6612.0	6619.0	6613.8	6627.6	6612.0	6622.4	6613.8	6613.8	6608.6	6593.0	6575.7
5°	6715.9	6729.8	6721.1	6735.0	6715.9	6719.4	6703.8	6703.8	6688.2	6655.3	6620.7
7.5°	6878.7	6894.2	6887.3	6901.2	6875.2	6875.2	6854.4	6852.7	6821.5	6767.9	6728.0
10°	7072.6	7093.3	7086.4	7107.2	7086.4	7093.3	7072.6	7072.6	7031.0	6954.8	6904.6
12.5°	7354.8	7380.7	7361.7	7360.0	7351.3	7365.2	7347.9	7344.4	7306.3	7202.4	7133.2
15°	7732.2	7759.9	7720.1	7716.6	7668.2	7663.0	7663.0	7657.8	7633.5	7508.9	7394.6
17.5°	8166.8	8175.4	8140.8	8085.4	8023.1	7983.3	7978.1	7991.9	7991.9	7846.5	7664.7
20°	8592.7	8608.3	8580.6	8518.2	8438.6	8379.7	8338.2	8365.9	8364.2	8191.0	7933.1
22.5°	9056.7	9093.1	9051.5	8971.9	8878.4	8812.6	8739.9	8764.1	8765.8	8552.9	8196.2
25°	9657.5	9624.6	9598.6	9486.1	9352.8	9285.2	9217.7	9242.0	9235.0	8942.4	8468.0
27.5°	10189.0	10195.9	10161.3	10041.8	9887.7	9738.8	9735.4	9751.0	9725.0	9347.6	8724.3
30°	10807.1	10810.6	10762.1	10654.7	10486.8	10294.6	10249.6	10275.6	10220.2	9731.9	8994.4
32.5°	11421.7	11439.0	11385.4	11255.5	11120.5	10886.7	10796.7	10814.0	10675.5	10124.9	9273.1
35°	11960.2	11984.4	11967.1	11880.5	11733.4	11532.5	11425.2	11414.8	11243.4	10606.3	9641.9
37.5°	12509.0	12531.5	12512.5	12439.8	12380.9	12167.9	12110.8	12110.8	11813.0	11098.0	10111.1
40°	13073.4	13108.1	13085.6	12985.1	12934.9	12838.0	12701.2	12668.3	12346.3	11688.4	10876.3
42.5°	13598.0	13643.0	13733.1	13674.2	13572.1	13585.9	13310.6	13293.3	13057.8	12561.0	11837.2
45°	14342.5	14408.3	14560.7	14515.6	14494.9	14418.7	14091.5	14075.9	13985.9	13734.8	13030.1
47.5°	15154.5	15244.5	15519.8	15528.5	15751.8	15608.1	15163.2	15109.5	15130.3	15140.7	14486.2
50°	15902.5	16001.1	16453.0	16666.0	17192.3	17223.5	16511.9	16463.4	16544.8	16783.7	16182.9
52.5°	16499.8	16624.4	17188.9	17846.8	18748.8	19005.0	18172.3	18135.9	18196.5	18608.6	18101.3
55°	16937.8	17072.9	17687.5	18885.6	20326.1	20777.9	20083.7	20049.0	20087.1	20611.7	20187.6
57.5°	17040.0	17072.9	17964.5	19585.0	21657.5	22743.0	22422.7	22353.5	22166.5	22623.6	22490.2
60°	16560.4	16692.0	17736.0	19830.9	22687.6	24680.4	24867.4	24780.8	24256.2	24630.2	24522.9
62.5°	15587.4	15822.8	16882.4	19456.9	23091.0	26262.9	27265.3	27161.4	26257.7	26500.1	25984.1
65°	13998.0	14098.4	15211.6	18167.1	22578.5	27275.7	29403.5	29351.6	28214.1	27834.9	26254.2
67.5°	11155.1	11343.8	12289.1	15471.4	20481.9	27156.2	31057.0	31051.8	29491.8	28330.1	25296.8
69°	8812.6	9008.2	9908.5	12744.5	18123.8	26063.8	31334.0	31394.6	29852.0	28028.8	23929.0
70°	7025.8	7252.6	7870.7	10734.4	16030.6	24623.3	31103.7	31212.8	29782.7	27531.9	22666.8
72.5°	2990.0	3173.6	3613.3	5533.4	9770.0	18386.9	28439.2	28851.2	28177.7	25198.1	18733.2
75°	1305.4	1362.6	1561.7	2256.0	4337.0	10007.2	22279.0	23040.8	24093.5	21299.1	13954.7
77.5°	955.7	979.9	1089.0	1324.5	1946.0	3779.5	14326.9	14770.2	17375.8	15499.1	8559.8
80°	739.3	756.6	841.4	973.0	1270.8	1528.8	6534.1	6915.0	9770.0	7960.8	3564.9
82.5°	588.7	600.8	659.6	716.8	877.8	926.3	2169.4	2406.6	3606.4	2198.8	943.6
85°	547.1	561.0	581.7	522.9	562.7	543.6	938.4	981.7	1089.0	863.9	394.7
87.5°	247.6	292.6	576.5	406.9	299.5	238.9	384.4	401.7	451.9	453.6	174.9
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: P318573
 CATALOG NUMBER: GLEON-SA9C-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5	6570.5
2.5°	6586.1	6580.9	6589.5	6568.7	6594.7	6593.0	6584.3	6587.8	6605.1	6603.4	6605.1
5°	6625.9	6622.4	6632.8	6617.2	6648.4	6658.8	6660.5	6676.1	6695.1	6700.3	6700.3
7.5°	6726.3	6726.3	6731.5	6710.7	6731.5	6729.8	6721.1	6736.7	6755.7	6757.5	6755.7
10°	6899.4	6901.2	6892.5	6838.8	6821.5	6774.8	6731.5	6733.2	6757.5	6776.5	6781.7
12.5°	7117.6	7110.7	7072.6	6973.9	6901.2	6805.9	6760.9	6759.2	6783.4	6799.0	6804.2
15°	7366.9	7347.9	7249.2	7088.2	6960.0	6866.5	6793.8	6776.5	6762.7	6745.3	6747.1
17.5°	7602.4	7559.1	7394.6	7171.3	7036.2	6911.6	6771.3	6658.8	6580.9	6535.8	6522.0
20°	7841.3	7756.5	7519.3	7249.2	7077.8	6851.0	6580.9	6352.3	6210.4	6144.6	6132.4
22.5°	8059.4	7922.7	7635.3	7330.5	7044.9	6646.7	6222.5	5890.1	5692.7	5604.4	5611.3
25°	8272.4	8081.9	7756.5	7387.7	6878.7	6286.5	5723.8	5315.2	5086.7	4988.0	4984.6
27.5°	8459.4	8243.0	7888.0	7340.9	6568.7	5774.1	5133.5	4735.2	4544.8	4460.0	4446.1
30°	8674.1	8445.5	8062.9	7162.6	6115.1	5181.9	4556.9	4276.4	4141.4	4056.6	4041.0
32.5°	8935.5	8720.8	8206.6	6838.8	5535.1	4563.8	4106.8	3911.1	3788.2	3693.0	3675.7
35°	9316.4	9084.4	8243.0	6374.8	4898.0	4075.6	3776.1	3575.2	3409.0	3286.1	3274.0
37.5°	9794.3	9539.7	8159.9	5774.1	4279.9	3758.8	3500.8	3253.2	3036.8	2863.7	2836.0
40°	10483.3	10099.0	7929.6	5081.5	3824.6	3514.6	3232.4	2950.2	2681.9	2479.3	2439.5
42.5°	11310.9	10755.2	7576.4	4392.4	3490.4	3267.1	2965.8	2616.1	2359.8	2216.1	2195.4
45°	12363.6	11437.3	7086.4	3789.9	3161.4	3019.5	2678.4	2356.4	2197.1	2091.5	2074.2
47.5°	13565.1	12202.6	6572.2	3300.0	2882.7	2787.5	2448.1	2240.4	2114.0	2030.9	2015.3
50°	15042.0	13066.5	6026.8	2898.3	2602.2	2508.7	2339.1	2176.3	2075.9	2011.8	1996.2
52.5°	16707.5	14041.3	5633.8	2581.4	2370.2	2302.7	2281.9	2141.7	2060.3	2011.8	1996.2
55°	18501.2	15033.3	5209.6	2314.8	2169.4	2188.4	2243.8	2145.1	2089.7	2030.9	2008.4
57.5°	20296.6	16058.3	4737.0	2089.7	2010.1	2103.6	2217.9	2152.1	2105.3	2048.2	2027.4
60°	21716.3	16707.5	4004.6	1901.0	1883.7	2010.1	2155.5	2100.1	2039.5	2041.3	2037.8
62.5°	22379.4	16672.9	3196.1	1733.1	1757.3	1883.7	2055.1	2018.8	1968.5	2036.1	2041.3
65°	22007.2	15841.9	2488.0	1580.7	1622.3	1752.1	1951.2	1978.9	1996.2	2126.1	2143.4
67.5°	20445.5	14224.8	1927.0	1447.4	1499.3	1662.1	1961.6	2155.5	2178.0	2314.8	2313.1
69°	18830.2	12708.1	1674.2	1378.2	1438.8	1684.6	2096.7	2268.1	2183.2	2328.7	2307.9
70°	17476.3	11508.3	1539.2	1331.4	1411.1	1724.4	2186.7	2266.3	2157.3	2281.9	2247.3
72.5°	13459.5	8279.3	1305.4	1244.8	1317.6	1650.0	2212.7	2216.1	2096.7	2120.9	2062.0
75°	9231.6	5232.1	1139.2	1127.1	1175.6	1487.2	2129.6	2117.4	1939.1	1904.5	1856.0
77.5°	5090.2	2657.6	967.8	1014.6	1047.5	1317.6	1935.7	1918.3	1771.2	1698.5	1681.1
80°	1963.4	1163.5	817.2	902.0	922.8	1141.0	1696.7	1681.1	1558.2	1464.7	1438.8
82.5°	741.0	609.4	675.2	780.8	773.9	941.9	1437.0	1428.4	1308.9	1172.1	1130.6
85°	342.8	365.3	535.0	644.1	593.9	697.7	1149.6	1165.2	1019.8	857.0	857.0
87.5°	145.4	204.3	379.2	486.5	399.9	470.9	843.2	805.1	739.3	512.5	481.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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	R9:	7.1
R2:	85.6	R10:	67.0
R3:	92.0	R11:	82.7
R4:	82.6	R12:	63.2
R5:	78.9	R13:	80.3
R6:	81.7	R14:	95.0
R7:	85.2	R15:	71.7
R8:	62.0		



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 [^] /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			

REPORT NUMBER: SP1-2408-195-9

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			

REPORT NUMBER: SP1-2408-195-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.32

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			

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)