

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: P647694

Luminaire Tested: **GALN-SA1A-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3197.8 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

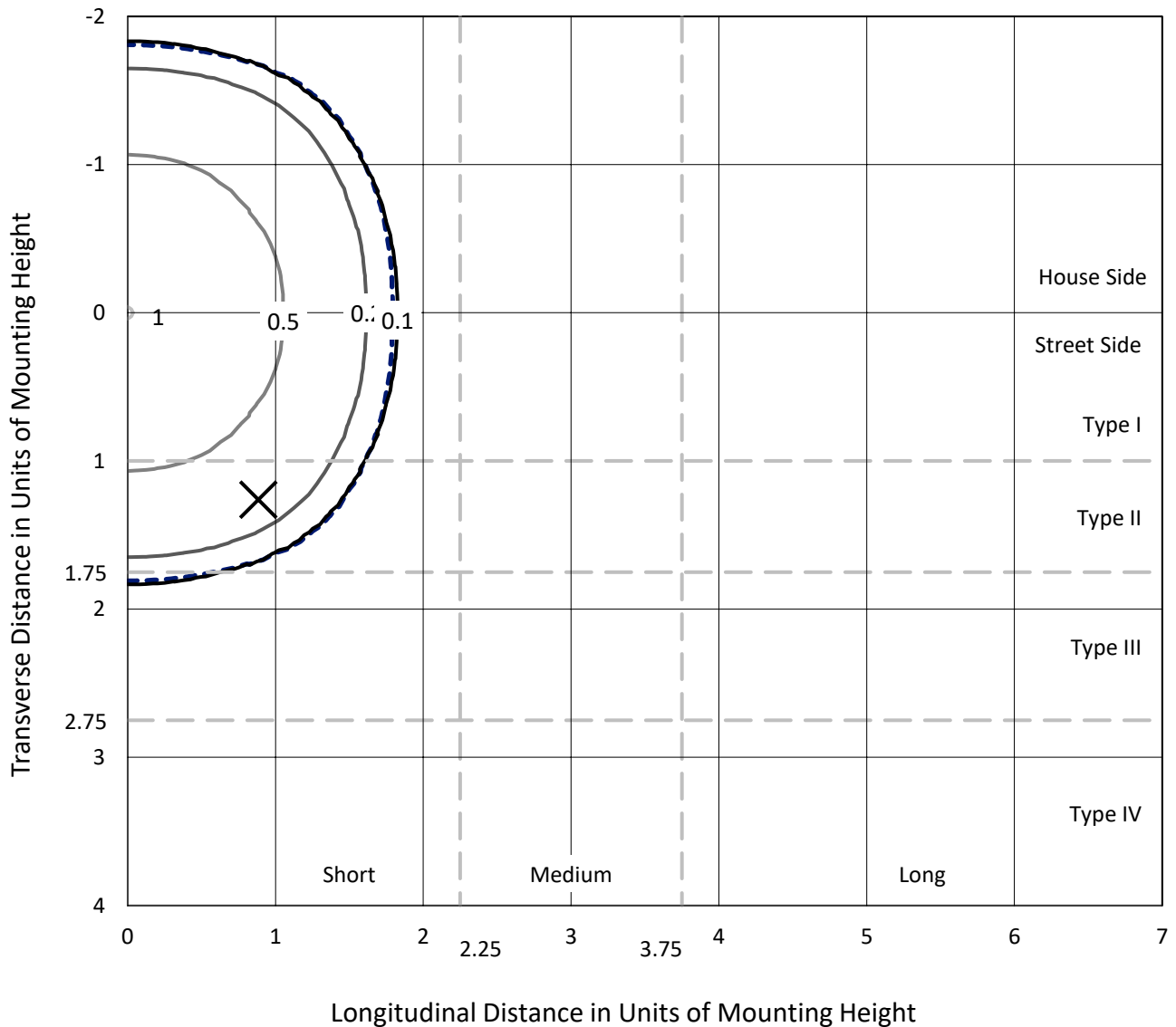
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

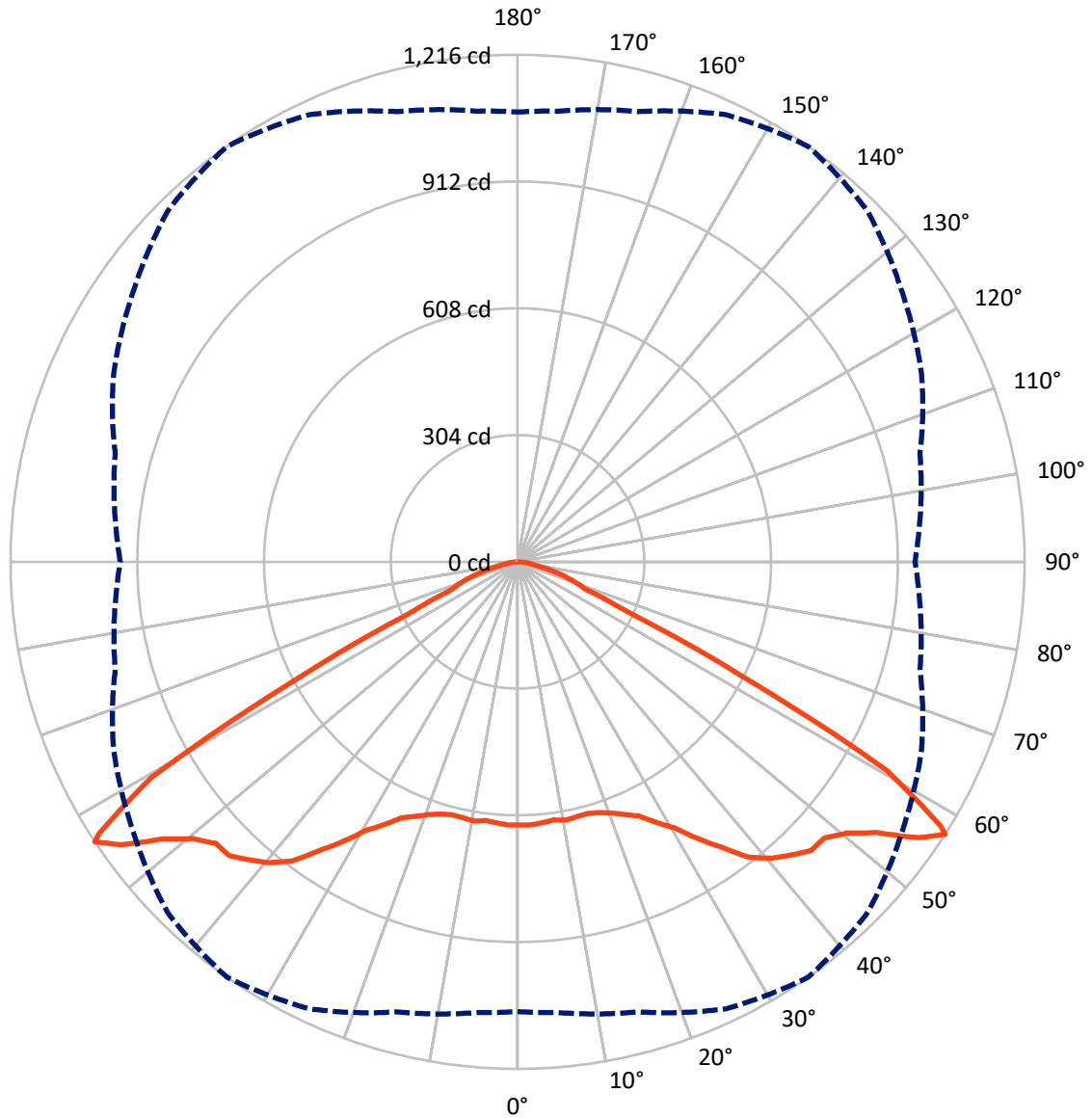
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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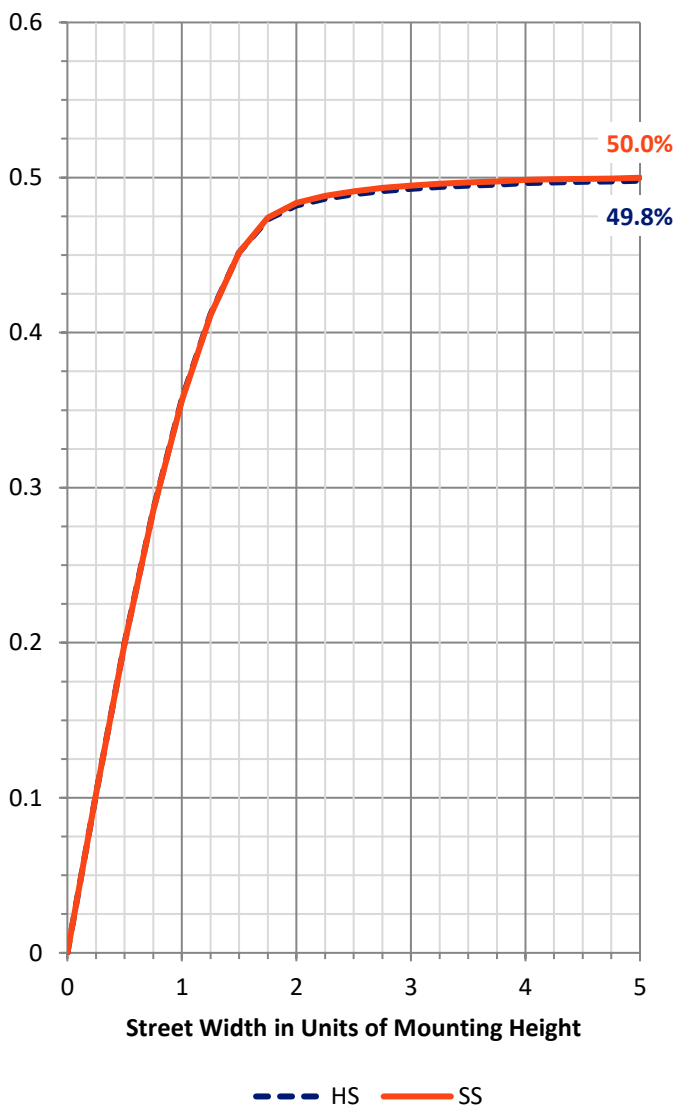
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1598.9	0.0	1598.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1598.9	0.0	1598.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3197.8	0.0	3197.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	1.9
10°-20°	177.3	5.5
20°-30°	309.7	9.7
30°-40°	507.4	15.9
40°-50°	744.0	23.3
50°-60°	937.2	29.3
60°-70°	352.5	11.0
70°-80°	93.7	2.9
80°-90°	16.1	0.5
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°	3197.8	100.0
0°-180°	3197.8	100.0

Coefficient of Utilization

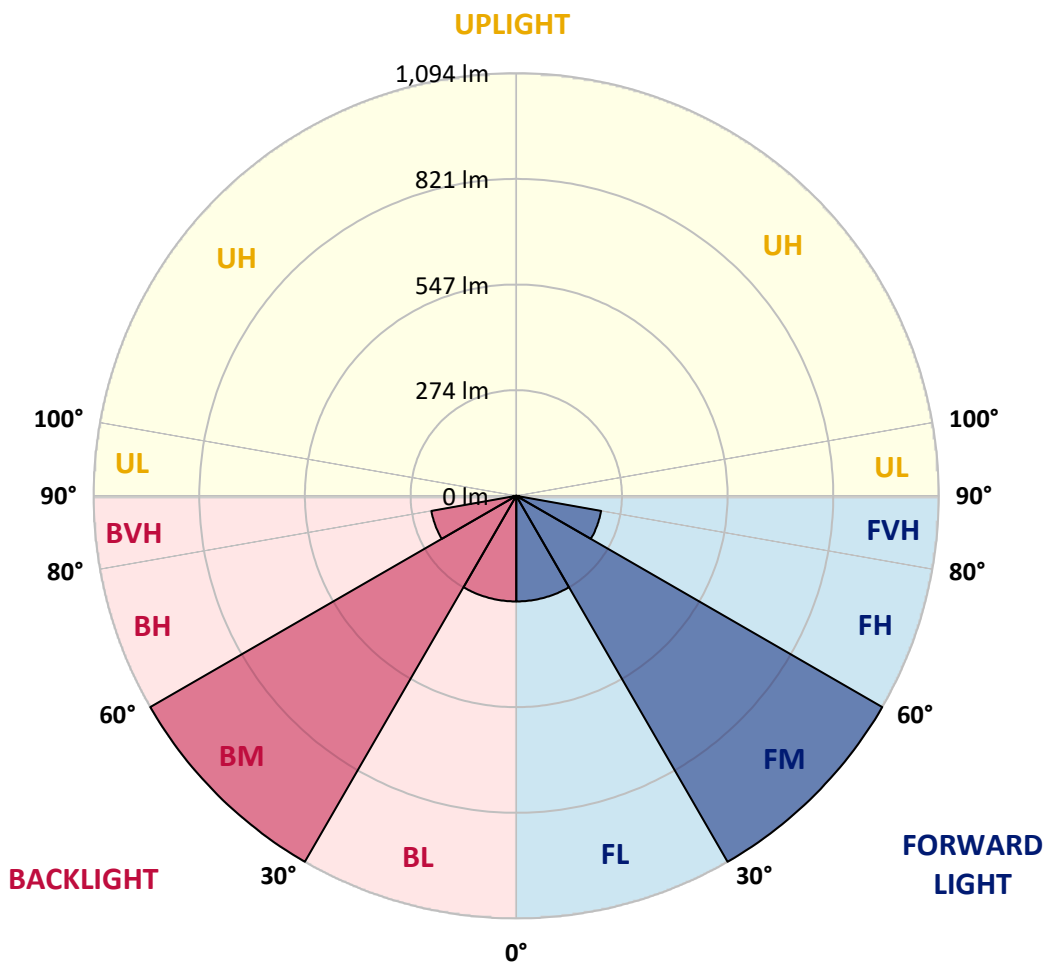


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.4	8.6			
FM (30°-60°)	1094.3	34.2			
FH (60°-80°)	223.1	7.0			G0/660
FVH (80°-90°)	8.0	0.3			G0/10
BL (0°-30°)	273.4	8.6	B1/500		
BM (30°-60°)	1094.3	34.2	B2/2500		
BH (60°-80°)	223.1	7.0	B1/500		G0/660
BVH (80°-90°)	8.0	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	631.6	631.6	631.6	631.6	631.6	631.6	631.6	631.6	631.6	631.6	631.6
2.5°	628.4	634.7	632.0	630.4	631.6	629.5	626.4	629.9	629.1	626.0	624.8
5°	626.8	631.6	628.4	631.6	628.4	633.9	632.4	626.4	633.5	626.8	629.1
7.5°	625.6	627.2	628.0	626.4	625.2	632.0	628.4	625.6	621.7	620.5	622.5
10°	622.9	626.8	620.9	628.7	630.4	625.6	625.6	620.5	617.3	615.4	622.1
12.5°	629.9	623.3	622.5	626.4	627.6	629.5	624.1	621.3	615.4	616.1	615.0
15°	621.7	624.4	624.8	625.6	626.8	631.6	626.4	620.5	618.2	609.9	610.7
17.5°	624.8	622.1	624.8	633.9	632.4	635.9	630.4	621.3	615.8	611.1	617.3
20°	630.4	629.1	630.4	641.4	643.4	646.5	641.7	633.5	622.9	617.3	620.5
22.5°	636.3	635.5	636.3	646.9	658.3	662.3	657.6	638.2	632.7	622.5	619.0
25°	646.9	647.7	656.0	667.8	675.3	682.8	674.1	660.3	642.5	636.3	628.7
27.5°	670.6	672.5	677.2	694.6	707.6	714.3	702.0	683.2	672.1	659.1	657.2
30°	699.7	699.7	708.0	722.9	740.6	750.9	735.9	713.5	700.1	693.0	688.6
32.5°	738.3	734.0	737.1	763.5	791.1	799.8	779.6	752.1	730.9	721.4	718.2
35°	771.4	774.2	781.3	809.6	840.3	860.4	828.9	793.1	771.4	762.7	761.2
37.5°	814.3	819.1	822.6	861.6	898.6	906.2	875.8	847.0	820.7	813.5	809.6
40°	875.0	871.9	873.0	901.8	935.3	940.0	910.1	889.6	868.0	863.6	863.6
42.5°	925.0	921.5	925.4	936.1	961.7	958.2	941.6	926.6	917.6	912.8	917.6
45°	955.4	954.6	961.7	969.6	987.7	975.9	962.9	965.2	956.6	948.7	948.3
47.5°	988.5	983.4	992.0	1003.8	990.0	984.5	983.8	988.9	986.1	972.3	968.0
50°	1004.6	1002.6	1016.4	1030.3	1022.8	1010.1	1012.9	1021.2	985.7	967.2	956.6
52.5°	1048.0	1048.4	1074.7	1082.3	1079.1	1060.6	1066.4	1044.1	1002.2	976.2	977.4
55°	1116.1	1113.3	1142.9	1164.9	1168.5	1144.9	1116.5	1085.0	1032.6	1006.2	998.3
57°	1078.7	1085.0	1117.7	1183.1	1216.2	1188.2	1126.3	1068.9	999.1	967.2	953.0
57.5°	1028.6	1038.9	1095.7	1161.4	1196.1	1193.8	1114.1	1038.9	976.6	927.0	928.2
60°	753.6	755.7	806.9	911.3	1019.6	1022.0	925.0	825.4	756.1	702.0	709.6
62.5°	397.5	406.6	427.0	511.0	604.7	627.6	568.9	517.6	457.8	416.8	420.8
65°	210.4	209.2	219.1	242.7	288.8	300.6	292.7	252.1	231.3	224.6	225.0
67.5°	171.0	173.0	171.8	173.0	176.1	181.3	180.0	181.7	182.8	184.8	184.4
70°	145.0	145.0	145.8	146.2	146.2	148.5	151.3	156.4	156.8	158.8	159.6
72.5°	114.2	113.5	114.6	117.4	117.8	119.8	123.7	126.8	128.0	128.0	125.7
75°	77.6	78.4	79.9	82.4	84.7	88.2	91.4	93.3	94.2	92.9	91.8
77.5°	43.8	44.6	45.7	49.3	52.0	55.1	58.7	60.7	62.6	63.0	60.7
80°	26.0	26.0	28.0	30.7	33.9	37.0	40.2	42.5	43.3	43.3	42.1
82.5°	15.7	16.1	17.7	20.5	23.3	25.2	28.0	29.9	31.6	31.1	30.3
85°	8.3	8.3	9.9	12.2	14.2	16.1	16.1	15.0	14.2	12.2	11.4
87.5°	2.7	2.3	3.1	3.1	2.7	3.1	3.1	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)