

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: P647697

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
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-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.5 lumens
Efficiency: N/A
Efficacy: 98.9 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

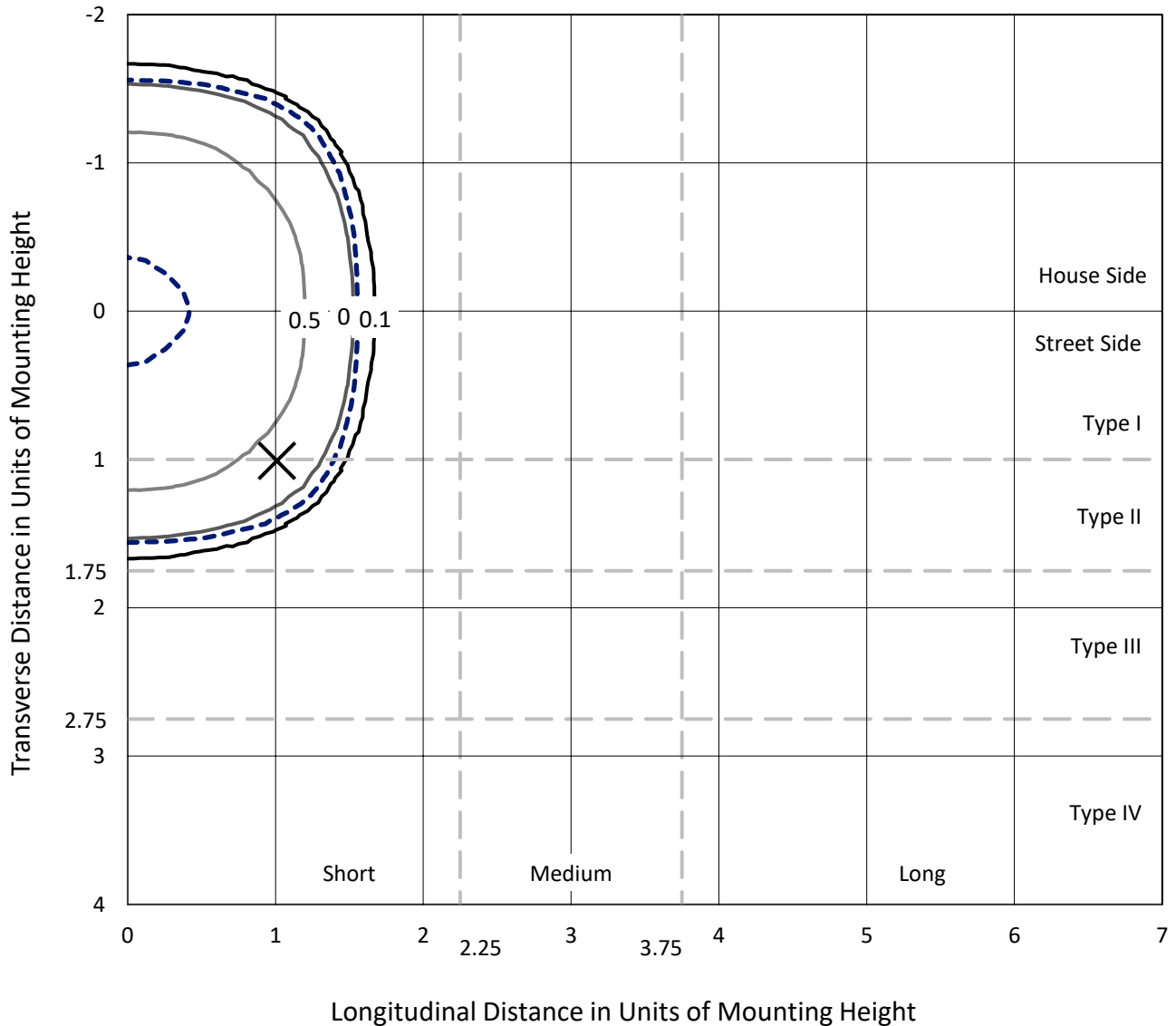
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647697
 CATALOG NUMBER: GALN-SA1A-835-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

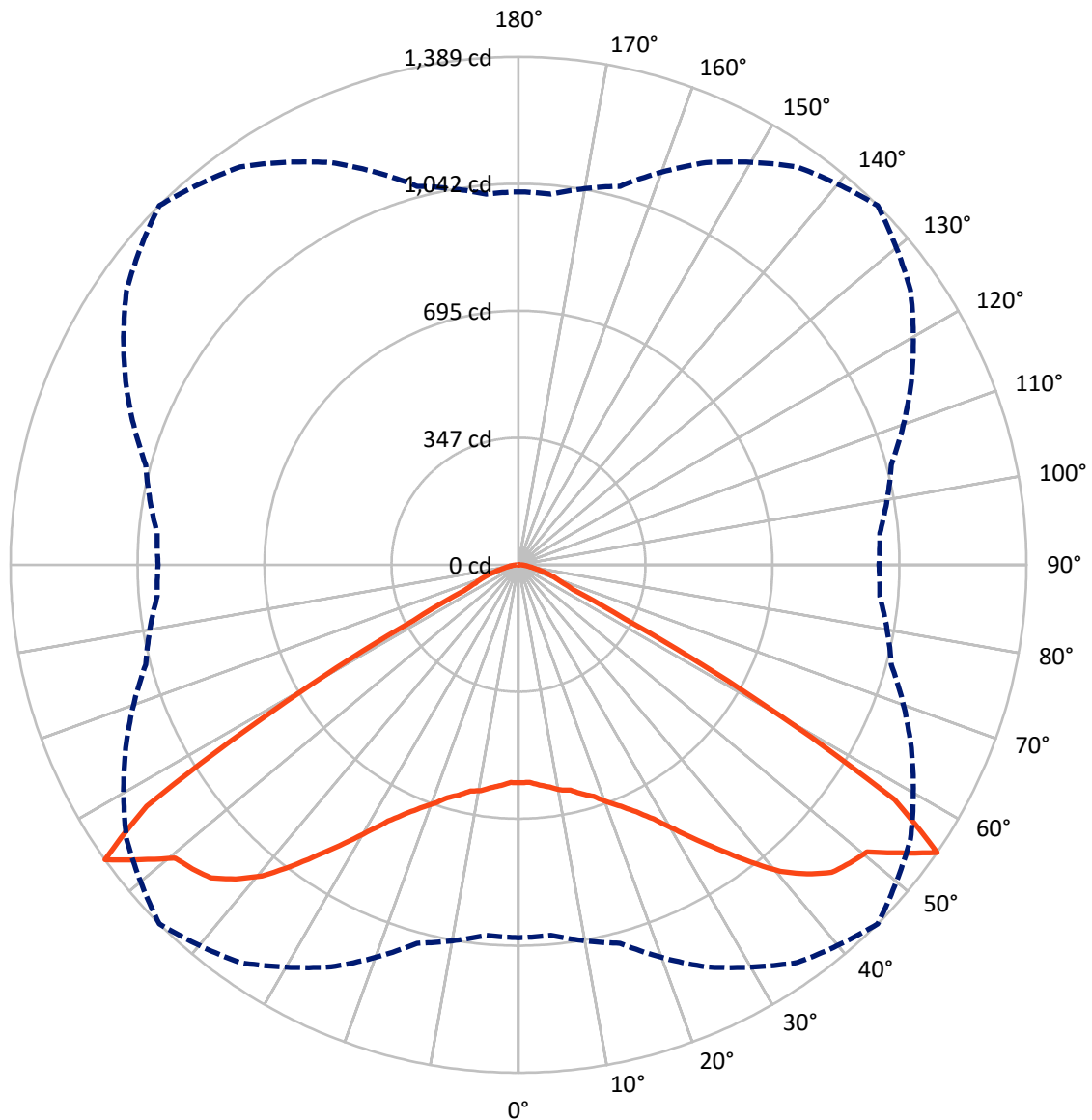
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P647697
CATALOG NUMBER: GALN-SA1A-835-U-5NQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P647697
 CATALOG NUMBER: GALN-SA1A-835-U-5NQ-GRSWH

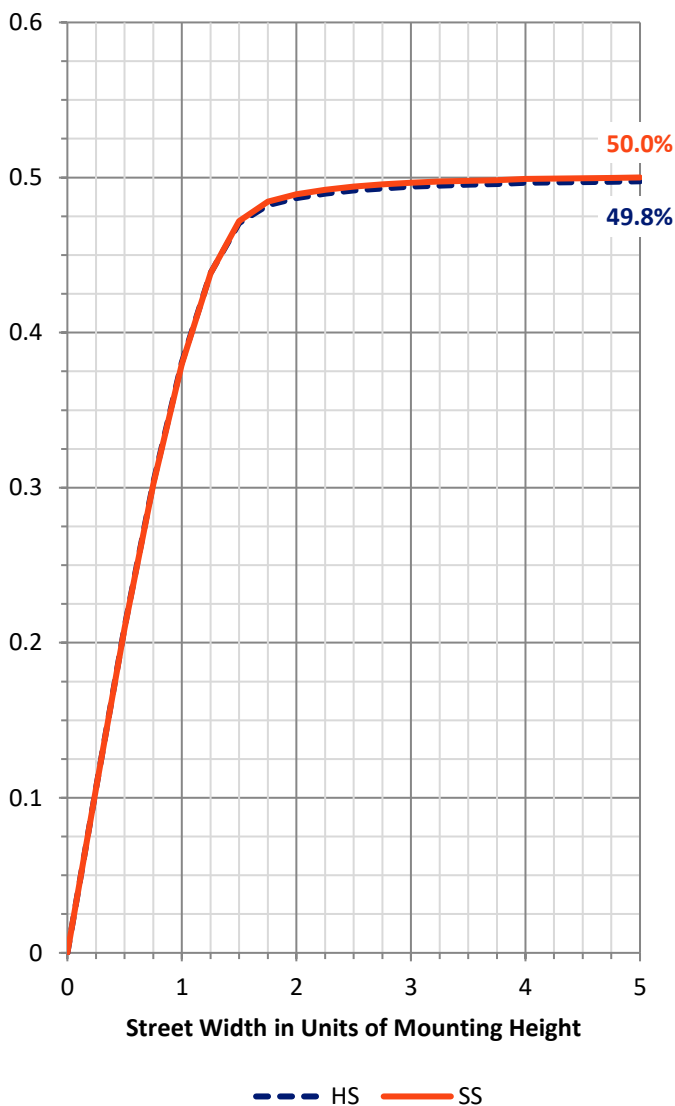
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.8	0.0	1631.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1631.8	0.0	1631.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3263.5	0.0	3263.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.8
10°-20°	184.4	5.7
20°-30°	343.9	10.5
30°-40°	575.8	17.6
40°-50°	896.1	27.5
50°-60°	930.4	28.5
60°-70°	197.3	6.0
70°-80°	65.0	2.0
80°-90°	12.4	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°	3263.5	100.0
0°-180°	3263.5	100.0

Coefficient of Utilization

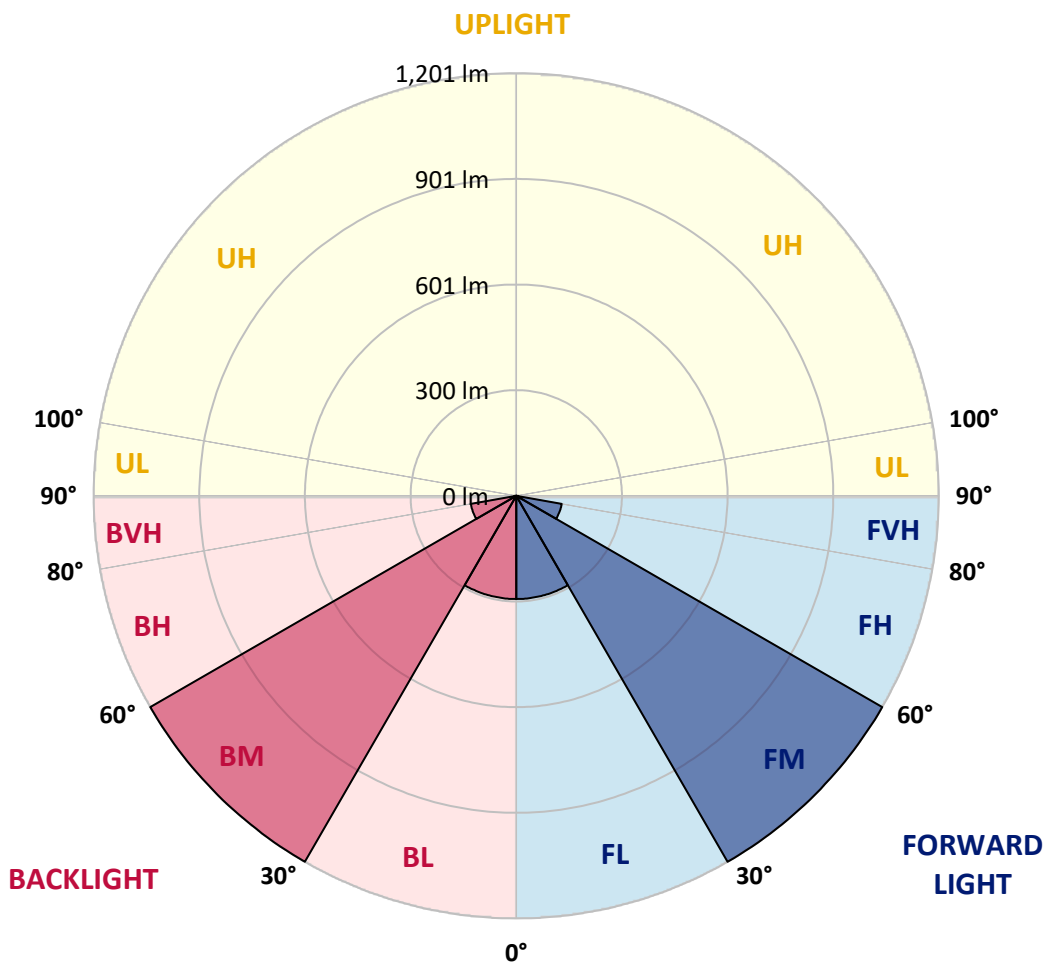


REPORT NUMBER: P647697
 CATALOG NUMBER: GALN-SA1A-835-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.3	9.0			
FM (30°-60°)	1201.2	36.8			
FH (60°-80°)	131.1	4.0			G0/660
FVH (80°-90°)	6.2	0.2			G0/10
BL (0°-30°)	293.3	9.0	B1/500		
BM (30°-60°)	1201.2	36.8	B2/2500		
BH (60°-80°)	131.1	4.0	B1/500		G0/660
BVH (80°-90°)	6.2	0.2			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





REPORT NUMBER: P647697

CATALOG NUMBER: GALN-SA1A-835-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	595.9	595.9	595.9	595.9	595.9	595.9	595.9	595.9	595.9	595.9	595.9
2.5°	603.0	600.2	595.5	599.0	601.8	595.9	598.2	599.4	598.6	595.5	596.6
5°	611.7	610.0	606.1	608.9	605.3	605.3	603.0	599.9	604.6	603.8	605.7
7.5°	611.7	609.6	617.6	612.5	614.0	614.0	610.0	606.9	609.3	605.7	603.8
10°	623.9	626.6	623.1	624.3	623.5	626.2	620.3	618.3	616.4	615.2	612.9
12.5°	638.5	636.5	637.7	636.9	639.6	632.6	629.0	624.7	628.2	623.1	626.6
15°	650.3	649.1	650.3	653.4	650.7	650.3	644.0	639.6	634.2	635.3	629.8
17.5°	666.5	665.3	665.7	668.4	668.1	666.1	661.3	653.0	651.1	647.9	644.4
20°	690.5	688.6	687.8	689.0	690.9	692.5	683.0	679.9	673.1	668.1	662.1
22.5°	711.0	710.3	713.4	708.3	712.6	717.3	708.3	706.7	690.1	687.4	681.1
25°	739.4	738.2	736.3	743.8	748.9	748.5	739.8	731.2	718.5	715.3	715.3
27.5°	769.4	762.7	773.0	774.9	784.0	786.8	779.2	766.6	754.8	748.1	749.6
30°	806.9	800.5	802.9	817.1	829.0	839.2	820.3	801.7	785.2	773.4	771.3
32.5°	844.3	838.0	845.1	858.9	882.6	897.9	879.4	847.0	827.8	810.4	813.9
35°	874.7	879.4	890.8	911.7	936.2	961.1	931.5	906.6	879.0	859.7	862.5
37.5°	923.5	938.2	947.3	971.3	1006.0	1031.6	1000.9	968.6	939.0	913.8	905.1
40°	987.4	997.3	1007.6	1036.0	1077.0	1102.6	1073.4	1031.2	1002.1	976.0	974.8
42.5°	1057.7	1067.2	1077.8	1112.5	1136.9	1156.3	1129.5	1106.9	1074.6	1054.2	1052.9
45°	1139.3	1132.6	1144.4	1167.3	1187.8	1200.4	1183.0	1172.0	1148.7	1129.9	1127.8
47.5°	1193.7	1187.8	1209.1	1229.6	1232.8	1219.0	1222.5	1232.8	1208.3	1177.2	1187.0
50°	1225.2	1225.2	1239.5	1258.4	1252.5	1234.7	1262.7	1263.5	1239.1	1211.5	1211.5
52.5°	1170.4	1182.6	1222.9	1284.8	1304.6	1309.6	1303.4	1276.5	1212.6	1156.3	1153.5
55°	1019.8	1017.0	1071.5	1213.4	1328.2	1389.0	1308.5	1185.1	1055.3	991.8	985.5
57.5°	663.3	666.5	747.7	892.5	1099.5	1212.6	1077.0	903.5	747.7	660.1	668.4
60°	298.6	309.2	358.5	466.5	644.4	736.6	646.0	490.2	376.2	326.5	330.9
62.5°	171.6	173.5	175.5	208.2	274.4	324.6	285.1	220.0	194.0	185.3	185.3
65°	144.7	143.5	143.9	146.7	153.8	164.0	159.7	153.8	154.6	153.8	152.6
67.5°	123.0	124.7	123.4	125.4	125.8	127.4	130.1	132.5	132.9	133.7	132.9
70°	100.9	101.3	102.1	103.7	104.1	105.3	109.2	111.2	112.4	112.4	114.0
72.5°	77.3	76.9	77.7	79.2	81.3	81.7	85.2	87.9	89.5	87.5	87.9
75°	50.9	51.3	52.5	53.6	56.4	59.1	60.4	63.1	63.5	64.3	62.3
77.5°	30.4	31.2	32.3	34.7	37.0	39.5	42.2	44.2	44.9	44.2	41.8
80°	19.7	19.7	21.3	23.3	26.0	28.0	29.6	31.2	32.3	31.2	30.4
82.5°	12.2	12.2	14.2	16.6	18.6	19.7	22.1	24.0	25.2	24.4	23.3
85°	6.3	6.7	8.3	10.3	11.8	12.6	12.2	11.0	9.9	9.5	8.7
87.5°	2.0	2.0	2.3	2.3	2.0	2.0	2.3	2.0	2.3	2.3	2.3
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)