

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: P648195

Luminaire Tested: **GALN-SA1B-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3824.9 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

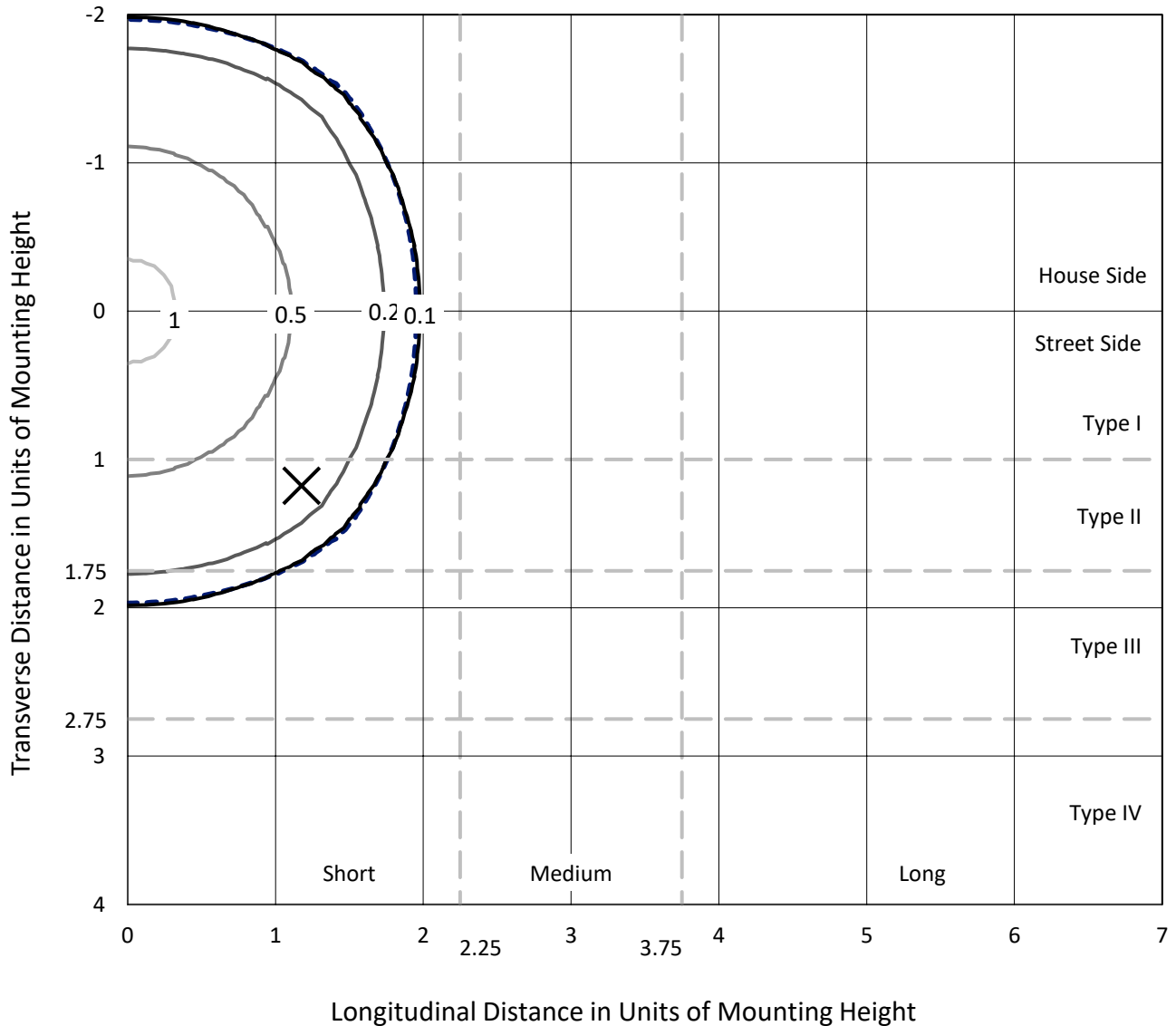
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648195
 CATALOG NUMBER: GALN-SA1B-835-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

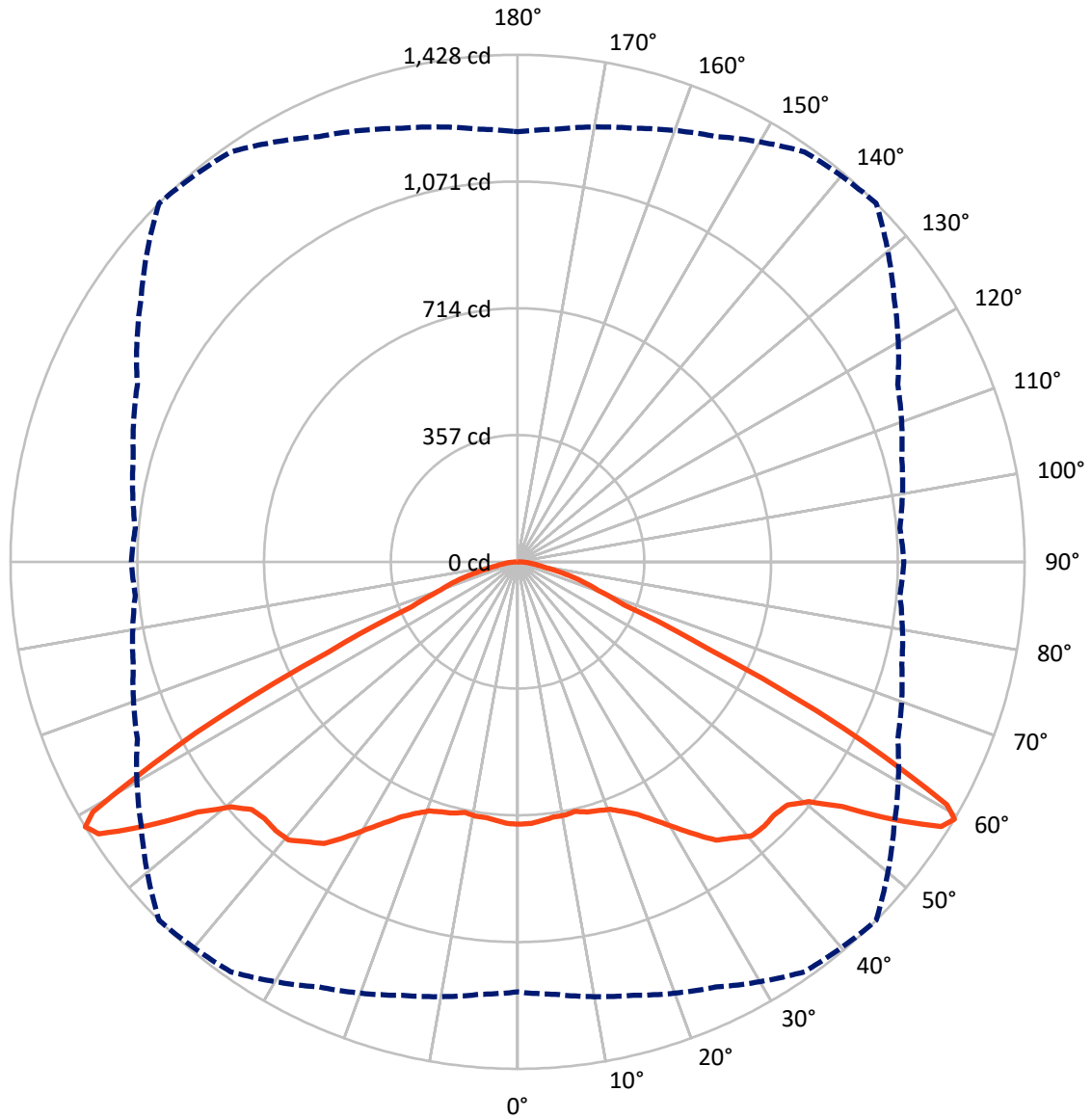
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P648195
CATALOG NUMBER: GALN-SA1B-835-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P648195
 CATALOG NUMBER: GALN-SA1B-835-U-5WQ-GRSWH

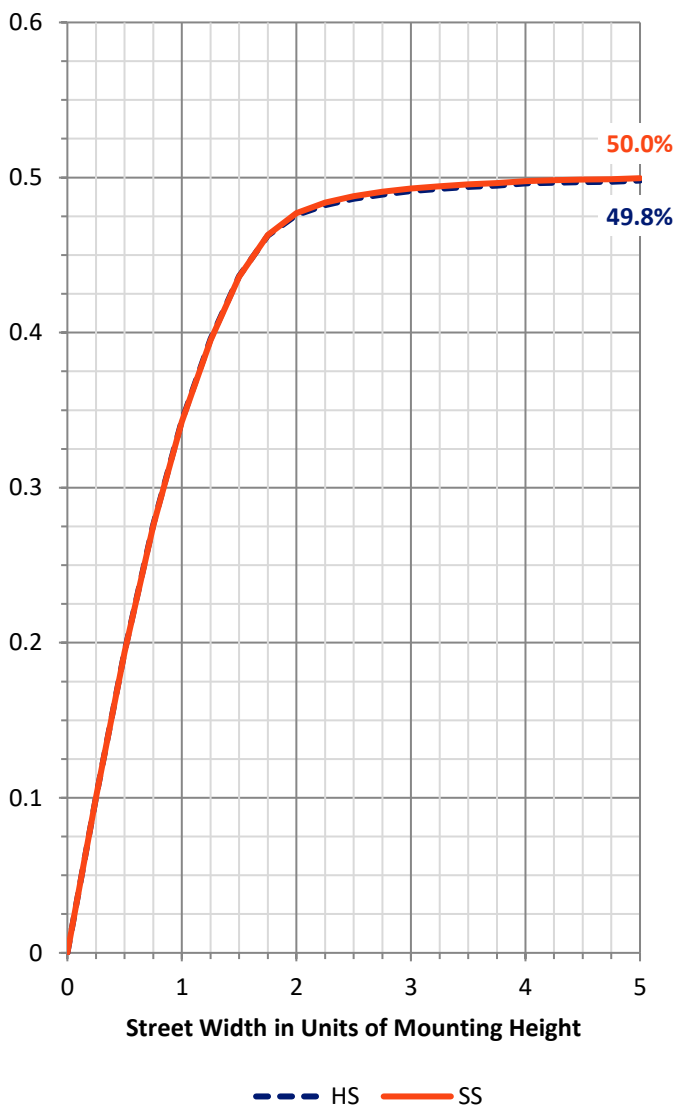
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1912.5	0.0	1912.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1912.5	0.0	1912.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3824.9	0.0	3824.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.8
10°-20°	207.1	5.4
20°-30°	361.6	9.5
30°-40°	577.6	15.1
40°-50°	786.8	20.6
50°-60°	1063.9	27.8
60°-70°	583.5	15.3
70°-80°	149.3	3.9
80°-90°	25.5	0.7
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°	3824.9	100.0
0°-180°	3824.9	100.0

Coefficient of Utilization

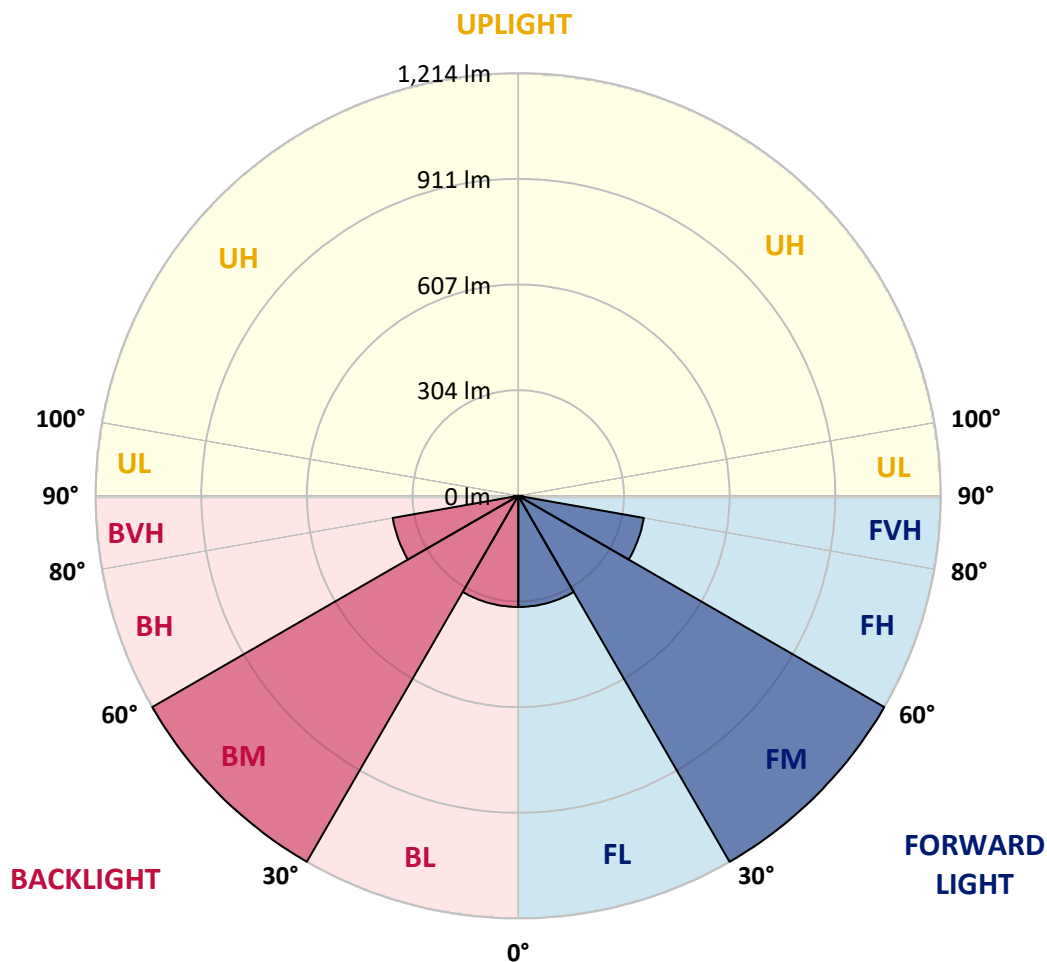


REPORT NUMBER: P648195
 CATALOG NUMBER: GALN-SA1B-835-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.2	8.3			
FM (30°-60°)	1214.2	31.7			
FH (60°-80°)	366.4	9.6			G0/660
FVH (80°-90°)	12.7	0.3			G1/100
BL (0°-30°)	319.2	8.3	B1/500		
BM (30°-60°)	1214.2	31.7	B2/2500		
BH (60°-80°)	366.4	9.6	B1/500		G0/660
BVH (80°-90°)	12.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





REPORT NUMBER: P648195

CATALOG NUMBER: GALN-SA1B-835-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	738.8	738.8	738.8	738.8	738.8	738.8	738.8	738.8	738.8	738.8	738.8
2.5°	734.4	739.8	735.9	739.3	738.8	737.4	734.8	733.4	731.5	734.4	729.5
5°	731.5	735.9	740.2	734.4	734.4	731.5	730.0	727.0	727.0	726.5	726.1
7.5°	736.3	731.9	730.0	730.9	731.9	725.5	730.0	724.1	719.2	722.6	726.5
10°	731.9	733.9	726.5	730.0	724.6	725.5	722.6	726.5	721.1	721.1	721.1
12.5°	736.3	730.9	733.4	730.9	729.5	721.1	725.1	720.7	720.2	725.1	720.7
15°	745.2	736.3	734.4	729.5	730.9	730.9	727.0	727.5	722.2	725.1	726.1
17.5°	742.2	737.4	735.9	730.0	734.8	736.3	729.0	724.1	727.5	727.0	726.5
20°	744.7	746.7	745.2	746.1	748.1	744.2	737.4	730.5	726.1	732.4	731.9
22.5°	760.4	758.4	757.4	756.5	759.9	763.8	754.5	743.7	743.7	748.1	750.0
25°	773.1	772.7	772.1	776.6	788.3	788.3	776.6	762.8	759.4	762.3	759.9
27.5°	791.8	797.2	795.2	803.0	820.2	824.1	808.4	792.2	782.9	779.5	783.9
30°	834.4	828.0	829.5	837.8	853.0	865.8	841.7	824.6	811.8	811.3	813.3
32.5°	862.9	867.7	872.2	880.0	904.0	913.8	884.9	856.9	849.1	844.7	846.2
35°	919.7	915.2	914.3	922.1	946.2	962.4	926.1	901.5	891.3	901.1	901.1
37.5°	973.7	961.4	952.0	962.4	984.4	986.3	955.5	942.3	936.9	948.1	947.7
40°	999.1	998.2	976.6	982.4	1011.9	1014.8	985.9	970.2	969.2	983.9	998.6
42.5°	1025.6	1016.3	994.7	998.6	1016.8	1017.7	990.3	985.9	996.7	1010.9	1011.9
45°	1030.0	1022.1	1008.4	998.6	1011.9	1014.8	998.6	1001.5	1002.6	1019.7	1019.7
47.5°	1038.8	1037.9	1030.0	1022.7	1025.1	1022.7	1012.3	1016.8	1031.4	1039.8	1035.9
50°	1063.3	1053.1	1060.9	1054.5	1055.0	1061.9	1052.6	1057.0	1054.0	1046.6	1041.8
52.5°	1117.3	1112.3	1119.2	1123.6	1128.5	1144.2	1133.5	1109.9	1087.8	1068.2	1067.8
55°	1196.2	1199.6	1212.9	1235.4	1254.5	1279.5	1227.6	1171.2	1135.9	1105.0	1107.0
57.5°	1270.7	1268.2	1286.4	1337.9	1393.7	1406.5	1304.6	1224.1	1166.7	1147.2	1138.9
59°	1210.9	1222.7	1263.8	1321.2	1408.9	1427.6	1294.2	1181.0	1120.2	1080.5	1087.4
60°	1116.8	1121.2	1158.0	1237.8	1356.5	1388.3	1225.1	1114.3	1033.4	1010.4	1020.7
62.5°	789.3	785.9	812.4	877.5	983.9	1027.1	910.9	833.0	781.9	756.5	762.3
65°	419.7	435.3	446.2	486.8	543.2	588.8	540.7	506.9	478.5	457.4	456.9
67.5°	283.4	281.4	283.8	293.2	312.3	325.0	324.1	306.9	304.4	300.5	304.9
70°	238.7	237.8	233.3	233.3	237.2	240.2	243.7	245.6	249.5	254.5	253.9
72.5°	193.6	191.2	188.2	186.7	191.7	193.2	197.6	199.5	203.0	202.5	206.9
75°	127.9	127.9	131.4	135.3	136.8	139.7	140.2	146.1	146.1	147.0	143.1
77.5°	71.6	69.6	72.0	76.0	79.4	84.8	90.2	94.6	97.1	96.1	96.1
80°	41.7	41.7	44.1	48.5	52.9	57.9	61.8	65.2	67.7	66.7	64.7
82.5°	26.0	26.0	28.4	32.8	36.3	39.2	44.6	49.0	52.0	51.0	48.5
85°	13.2	13.2	16.2	19.1	23.6	25.5	25.0	23.0	22.6	20.1	20.1
87.5°	3.4	3.4	4.9	5.4	4.4	4.9	4.9	4.9	4.9	4.9	5.4
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)