

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: P458518

Luminaire Tested: **GALN-SA1A-735-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4447 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

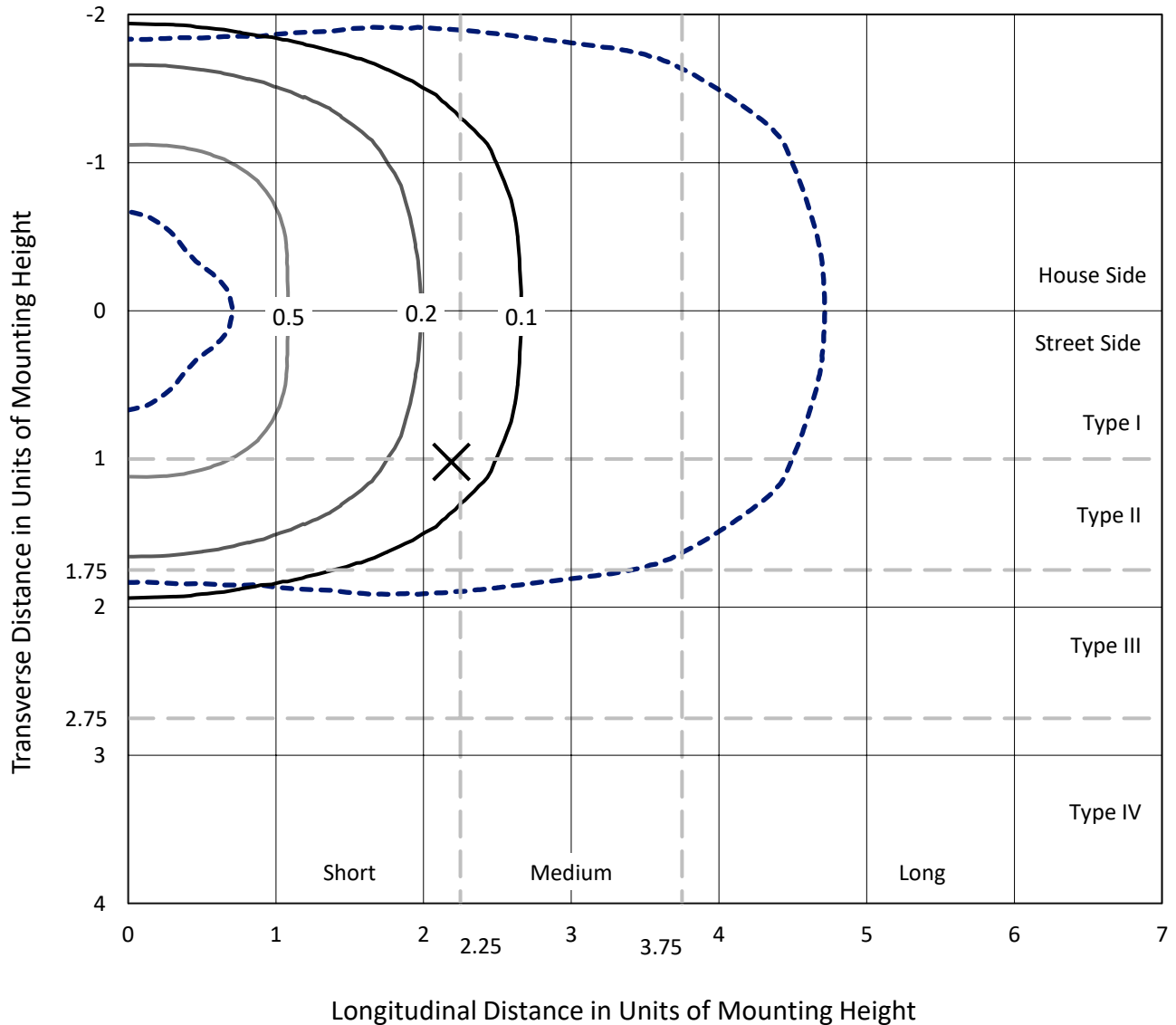
Input Watts (W): 33
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P458518
 CATALOG NUMBER: GALN-SA1A-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

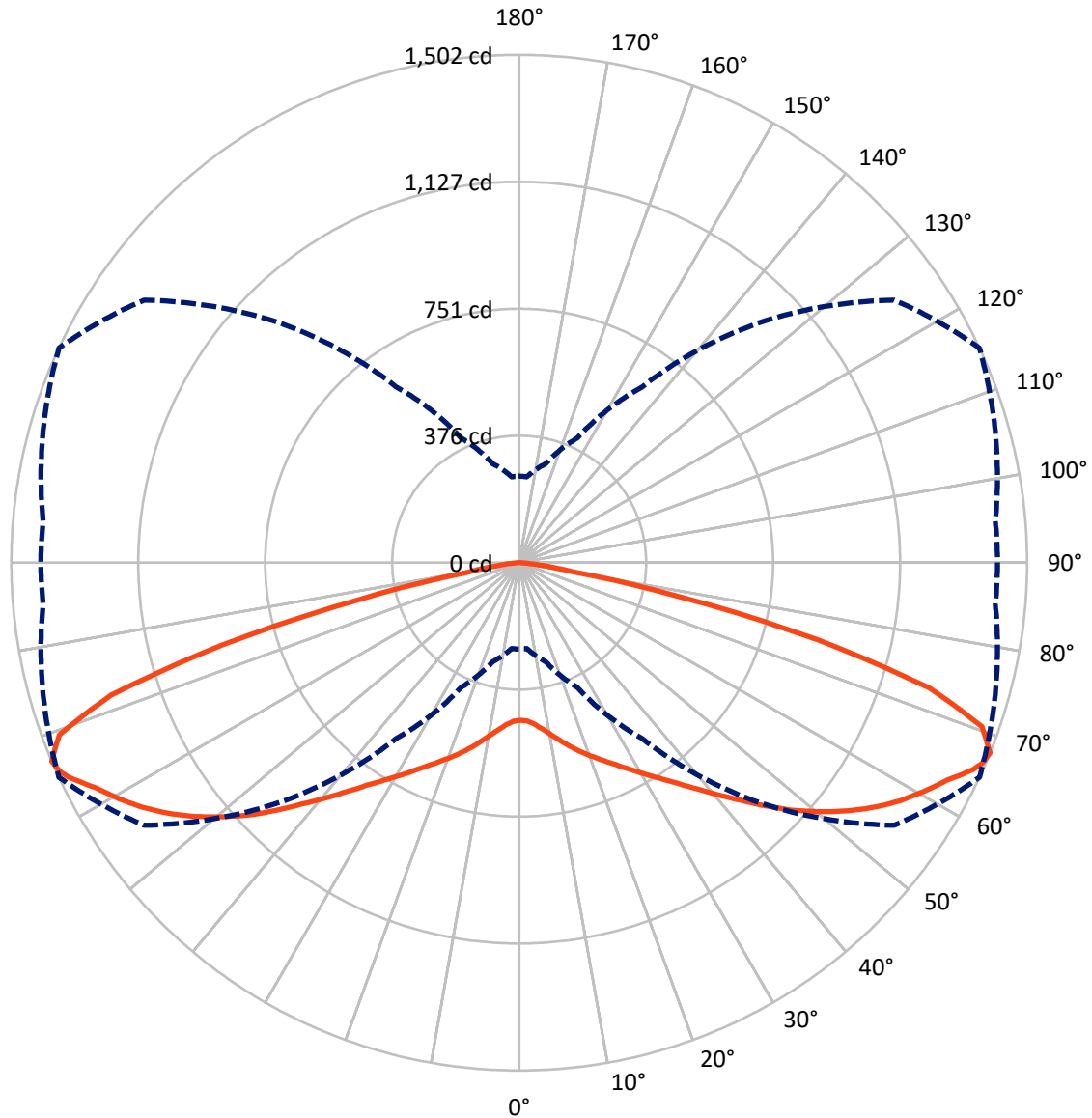
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

REPORT NUMBER: P458518
CATALOG NUMBER: GALN-SA1A-735-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P458518

CATALOG NUMBER: GALN-SA1A-735-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2223.5	0.0	2223.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2223.5	0.0	2223.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4447.0	0.0	4447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.0
10°-20°	153.8	3.5
20°-30°	300.8	6.8
30°-40°	511.5	11.5
40°-50°	809.6	18.2
50°-60°	1073.5	24.1
60°-70°	1012.7	22.8
70°-80°	500.6	11.3
80°-90°	38.6	0.9
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°	4447.0	100.0
0°-180°	4447.0	100.0

Coefficient of Utilization



REPORT NUMBER: P458518

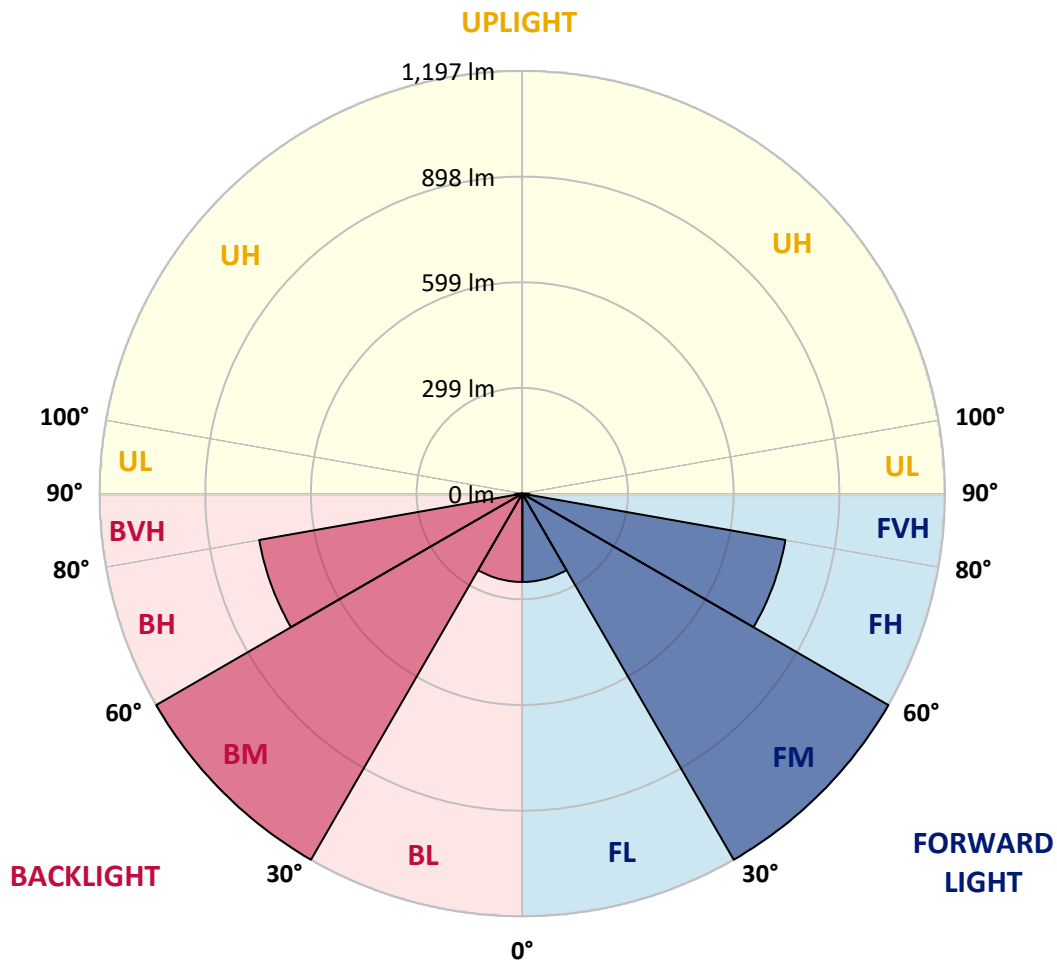
CATALOG NUMBER: GALN-SA1A-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.2	5.6			
FM	(30°-60°)	1197.3	26.9			
FH	(60°-80°)	756.6	17.0			G1/1800
FVH	(80°-90°)	19.3	0.4			G1/100
BL	(0°-30°)	250.2	5.6	B1/500		
BM	(30°-60°)	1197.3	26.9	B2/2500		
BH	(60°-80°)	756.6	17.0	B2/1000		G2/1000
BVH	(80°-90°)	19.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P458518
 CATALOG NUMBER: GALN-SA1A-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	463.4	463.9	464.4	465.1	466.0	467.5	468.4	469.1	471.0	471.3	471.0
5°	461.7	462.2	463.4	465.5	468.6	472.9	476.3	480.3	483.4	485.6	485.1
7.5°	461.5	462.4	464.4	468.9	474.8	482.2	489.8	496.8	502.7	507.5	506.8
10°	465.3	466.5	469.6	476.3	485.6	496.3	507.0	517.2	525.8	532.0	534.2
12.5°	471.7	472.7	478.4	488.4	501.8	515.1	527.3	539.9	551.8	562.3	562.3
15°	482.9	484.6	491.8	506.3	522.7	538.2	550.6	563.9	576.8	588.7	592.3
17.5°	498.4	500.8	511.5	530.1	551.1	565.4	577.0	588.0	599.2	610.6	612.3
20°	519.6	522.0	536.3	558.7	583.5	600.6	608.5	611.1	616.6	627.6	629.0
22.5°	548.5	550.8	566.8	592.1	619.7	638.3	641.6	635.4	634.0	642.6	643.5
25°	581.1	583.2	601.6	628.7	657.3	677.6	676.6	661.4	652.8	658.1	659.5
27.5°	617.8	620.9	639.5	667.6	698.6	716.4	713.6	691.4	673.1	672.1	672.6
30°	664.7	668.1	685.7	712.6	743.1	759.5	753.6	723.8	695.5	685.9	685.9
32.5°	714.3	722.6	740.5	768.6	792.4	804.3	795.3	759.5	721.9	708.6	707.8
35°	778.8	783.4	801.0	828.4	846.3	855.6	838.2	799.8	756.5	740.7	738.6
37.5°	842.0	845.8	866.3	892.5	914.2	913.7	890.1	847.7	799.3	781.7	780.3
40°	906.6	910.6	934.0	958.0	979.7	977.8	949.2	901.8	850.3	830.5	834.4
42.5°	962.5	967.1	993.5	1027.8	1047.4	1046.9	1013.8	960.4	906.8	889.2	892.5
45°	1013.5	1017.6	1048.3	1087.6	1116.2	1119.8	1083.6	1027.1	972.1	949.4	950.4
47.5°	1049.5	1057.1	1089.3	1134.3	1173.2	1185.8	1150.3	1095.0	1031.6	1008.0	1009.5
50°	1076.9	1081.7	1116.7	1167.9	1217.0	1243.2	1214.6	1157.9	1091.2	1066.2	1069.5
52.5°	1080.2	1086.0	1124.1	1183.2	1246.1	1285.8	1271.8	1219.4	1152.0	1126.2	1133.4
55°	1053.1	1056.4	1101.9	1173.6	1257.5	1317.5	1321.1	1276.6	1209.8	1190.3	1195.1
57.5°	975.6	984.2	1041.9	1129.1	1241.8	1334.5	1358.0	1328.5	1268.5	1249.2	1256.8
60°	848.7	857.2	915.1	1025.7	1182.4	1326.6	1388.5	1374.5	1321.6	1306.1	1310.2
62.5°	665.0	664.2	736.0	871.5	1064.5	1288.0	1411.2	1418.8	1374.0	1354.5	1360.7
65°	431.0	433.1	502.5	648.5	886.5	1189.8	1416.2	1475.3	1425.5	1395.9	1400.4
66°	346.7	353.1	411.9	546.6	795.8	1125.5	1401.2	1491.9	1441.2	1405.5	1407.6
67.5°	255.9	254.7	303.1	406.9	635.4	1003.3	1354.2	1502.4	1459.1	1414.0	1415.0
70°	146.0	145.8	163.0	223.5	373.6	706.4	1141.5	1452.2	1495.3	1445.0	1442.4
72.5°	106.7	106.0	108.4	123.4	182.3	356.7	787.4	1269.2	1476.7	1440.0	1432.6
75°	89.6	89.1	88.6	90.5	102.2	161.5	417.9	913.0	1281.3	1351.6	1344.0
77.5°	73.1	73.1	73.4	72.9	73.4	85.1	173.2	489.4	780.3	871.1	892.3
80°	57.2	56.9	61.0	59.3	55.5	54.6	76.7	157.5	259.0	257.6	212.5
82.5°	42.2	39.3	46.5	45.3	41.0	34.8	44.8	67.2	86.5	56.2	41.7
85°	26.7	26.4	32.9	30.0	25.0	16.4	21.4	28.8	35.7	21.7	17.6
87.5°	4.8	4.5	10.5	7.6	7.6	4.8	6.0	7.9	11.7	8.1	6.0
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)