

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: P455328

Luminaire Tested: **GALN-SA6C-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455328
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-SA6C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39172 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

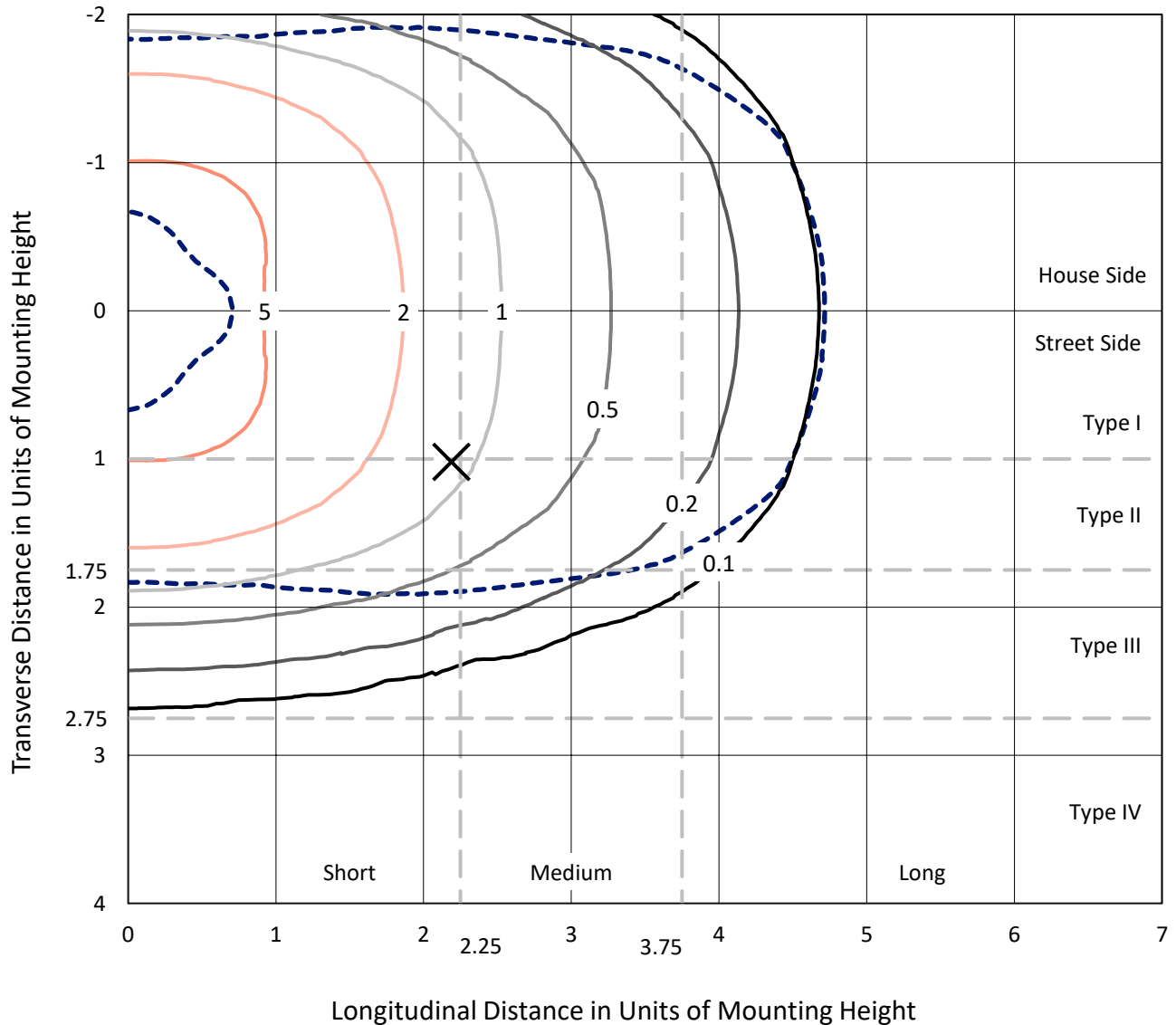
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455328
 CATALOG NUMBER: GALN-SA6C-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

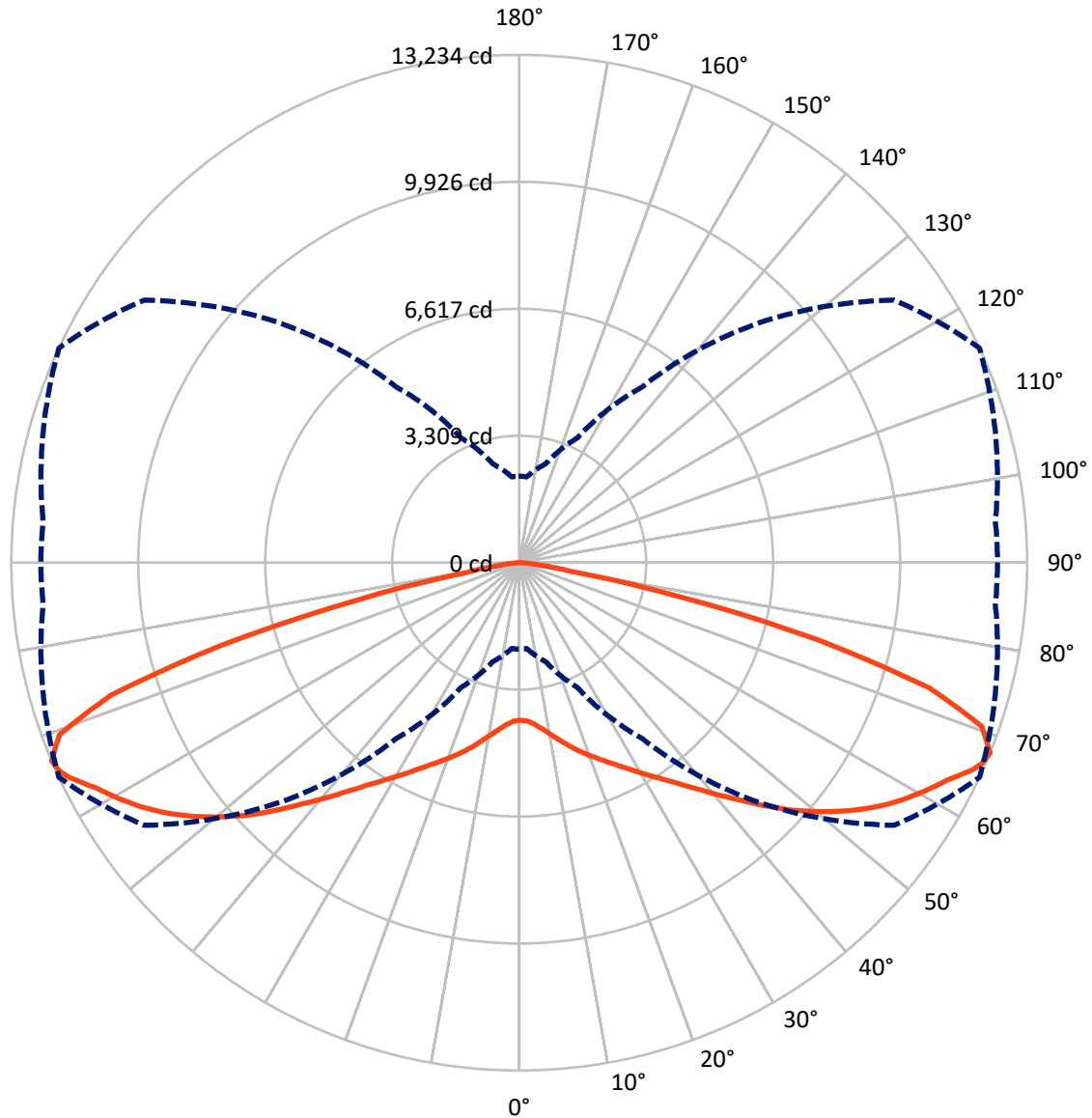
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

REPORT NUMBER: P455328
CATALOG NUMBER: GALN-SA6C-730-U-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P455328

CATALOG NUMBER: GALN-SA6C-730-U-RW

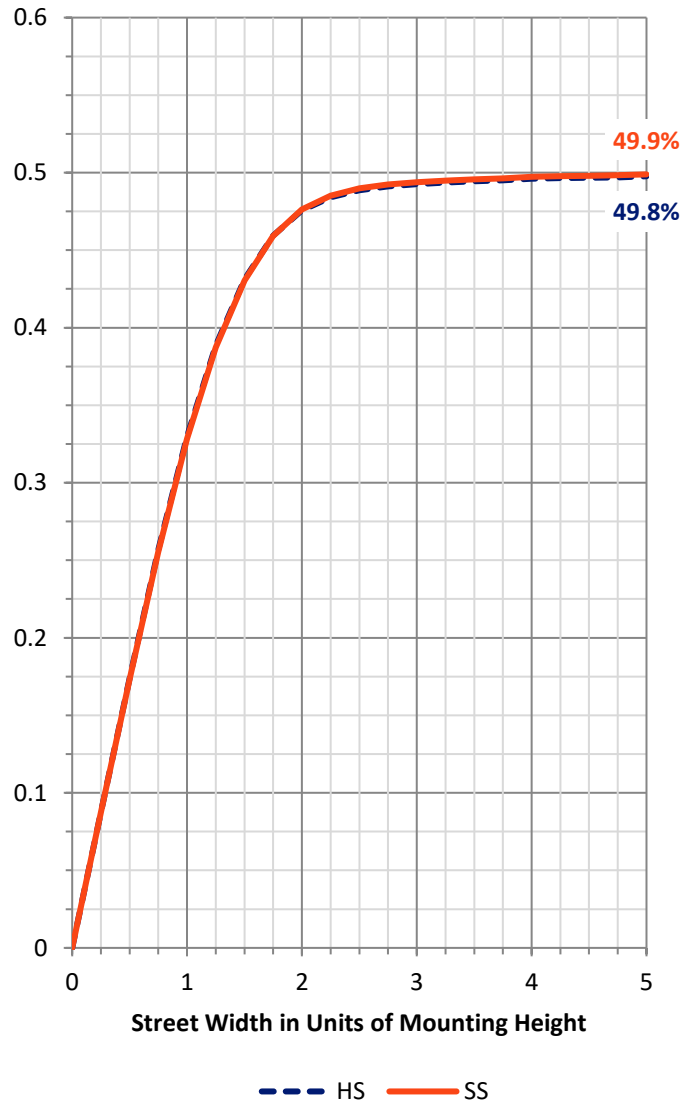
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19586.0	0.0	19586.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19586.0	0.0	19586.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39172.0	0.0	39172.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.7	1.0
10°-20°	1354.4	3.5
20°-30°	2649.2	6.8
30°-40°	4506.0	11.5
40°-50°	7131.6	18.2
50°-60°	9456.4	24.1
60°-70°	8920.3	22.8
70°-80°	4409.7	11.3
80°-90°	339.9	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°	39172.0	100.0
0°-180°	39172.0	100.0



REPORT NUMBER: P455328

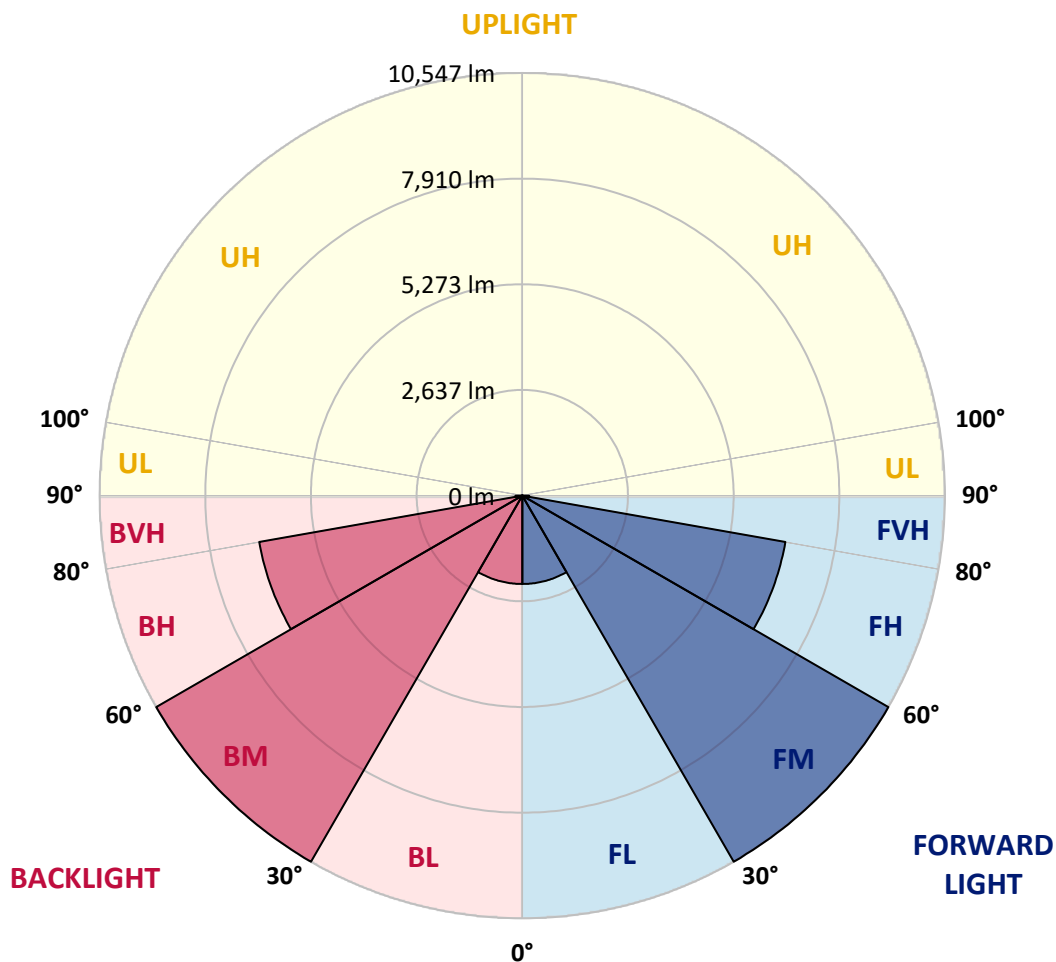
CATALOG NUMBER: GALN-SA6C-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2204.1	5.6			
FM	(30°-60°)	10547.0	26.9			
FH	(60°-80°)	6665.0	17.0			G3/7500
FVH	(80°-90°)	169.9	0.4			G2/225
BL	(0°-30°)	2204.1	5.6	B3/2500		
BM	(30°-60°)	10547.0	26.9	B5		
BH	(60°-80°)	6665.0	17.0	B5		G5
BVH	(80°-90°)	169.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





REPORT NUMBER: P455328
 CATALOG NUMBER: GALN-SA6C-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4102.9	4102.9	4102.9	4102.9	4102.9	4102.9	4102.9	4102.9	4102.9	4102.9	4102.9
2.5°	4081.9	4086.1	4090.3	4096.6	4105.0	4117.6	4126.0	4132.3	4149.1	4151.2	4149.1
5°	4067.2	4071.4	4081.9	4100.8	4128.1	4165.9	4195.3	4230.9	4258.2	4277.1	4272.9
7.5°	4065.1	4073.5	4090.3	4130.2	4182.7	4247.7	4314.9	4375.7	4428.2	4470.2	4463.9
10°	4098.7	4109.2	4136.5	4195.3	4277.1	4371.6	4466.0	4556.2	4631.8	4686.4	4705.2
12.5°	4155.4	4163.8	4214.2	4302.3	4419.8	4537.3	4644.4	4755.6	4860.5	4952.9	4952.9
15°	4254.0	4268.7	4331.7	4459.7	4604.5	4740.9	4850.1	4967.6	5080.9	5185.8	5217.3
17.5°	4390.4	4411.4	4505.9	4669.6	4854.2	4980.2	5083.0	5179.5	5278.2	5378.9	5393.6
20°	4577.2	4598.2	4724.1	4921.4	5139.7	5290.8	5360.0	5383.1	5431.4	5527.9	5540.5
22.5°	4831.2	4852.2	4992.8	5215.2	5458.7	5622.4	5651.7	5597.2	5584.6	5660.1	5668.5
25°	5118.7	5137.6	5299.2	5538.4	5790.3	5968.6	5960.3	5825.9	5750.4	5796.6	5809.1
27.5°	5441.9	5469.2	5632.9	5880.5	6153.3	6310.7	6285.5	6090.4	5928.8	5920.4	5924.6
30°	5855.3	5884.7	6040.0	6277.2	6545.8	6690.6	6638.1	6375.8	6126.0	6042.1	6042.1
32.5°	6291.8	6365.3	6522.7	6770.3	6980.2	7085.1	7005.4	6690.6	6359.0	6241.5	6235.2
35°	6860.6	6900.5	7055.8	7297.1	7454.5	7536.4	7383.2	7045.3	6663.3	6524.8	6505.9
37.5°	7416.7	7450.3	7630.8	7861.7	8052.6	8048.4	7840.7	7467.1	7041.1	6885.8	6873.2
40°	7985.5	8021.2	8226.8	8438.8	8629.8	8613.0	8361.1	7943.5	7490.2	7316.0	7349.6
42.5°	8478.7	8518.5	8751.5	9053.7	9225.8	9221.6	8929.9	8459.8	7987.6	7832.3	7861.7
45°	8927.8	8963.5	9234.2	9580.5	9832.3	9863.8	9544.8	9047.4	8562.6	8363.2	8371.6
47.5°	9244.7	9311.8	9595.2	9991.8	10333.9	10445.1	10132.4	9645.5	9087.3	8879.5	8892.1
50°	9486.0	9528.0	9836.5	10287.7	10720.1	10950.9	10699.1	10199.6	9612.0	9391.6	9421.0
52.5°	9515.4	9565.8	9901.6	10422.1	10976.1	11326.6	11202.8	10741.0	10147.1	9920.5	9983.4
55°	9276.2	9305.6	9706.4	10338.1	11076.8	11605.7	11637.2	11244.7	10657.1	10485.0	10527.0
57.5°	8594.1	8669.7	9177.5	9945.6	10938.3	11754.7	11962.5	11702.2	11173.4	11003.4	11070.5
60°	7475.5	7551.1	8061.0	9034.8	10415.8	11685.5	12231.1	12107.3	11641.4	11505.0	11540.6
62.5°	5857.4	5851.1	6482.8	7677.0	9376.9	11345.5	12430.5	12497.6	12103.1	11931.0	11985.6
65°	3796.5	3815.4	4426.1	5712.6	7809.2	10480.8	12474.6	12995.0	12556.4	12296.2	12336.0
66°	3053.6	3110.2	3628.6	4814.4	7009.6	9914.2	12342.3	13141.9	12694.9	12380.1	12399.0
67.5°	2254.0	2243.5	2669.5	3584.5	5597.2	8837.5	11928.9	13234.3	12852.3	12455.7	12464.1
70°	1286.5	1284.4	1435.5	1968.6	3290.7	6222.6	10054.8	12791.5	13171.3	12728.5	12705.4
72.5°	940.2	933.9	954.9	1087.1	1605.5	3141.7	6936.1	11179.7	13007.6	12684.4	12619.4
75°	789.1	784.9	780.7	797.5	900.3	1422.9	3681.1	8042.1	11286.7	11905.8	11838.7
77.5°	644.3	644.3	646.4	642.2	646.4	749.2	1525.7	4310.7	6873.2	7672.8	7859.6
80°	503.7	501.6	537.3	522.6	489.0	480.6	675.8	1387.2	2281.3	2268.7	1872.0
82.5°	371.5	346.3	409.2	398.7	361.0	306.4	394.6	591.8	761.8	495.3	367.3
85°	235.1	233.0	289.6	264.4	220.4	144.8	188.9	253.9	314.8	191.0	155.3
87.5°	42.0	39.9	92.3	67.2	67.2	42.0	52.5	69.3	102.8	71.4	52.5
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)