

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: P534023

Luminaire Tested: **GALN-SA9C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30277 lumens
Efficiency: N/A
Efficacy: 62.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

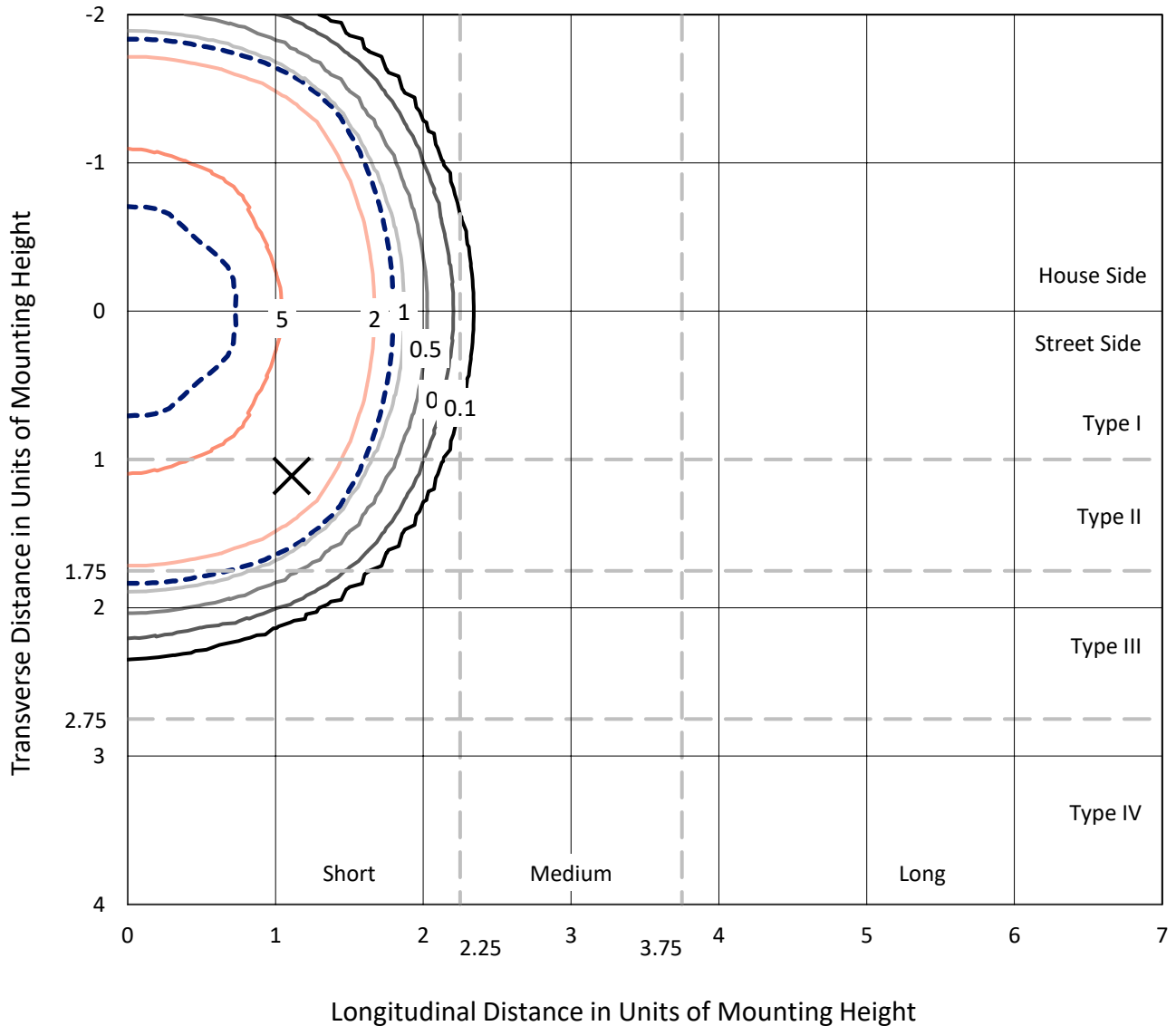
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534023
 CATALOG NUMBER: GALN-SA9C-730-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

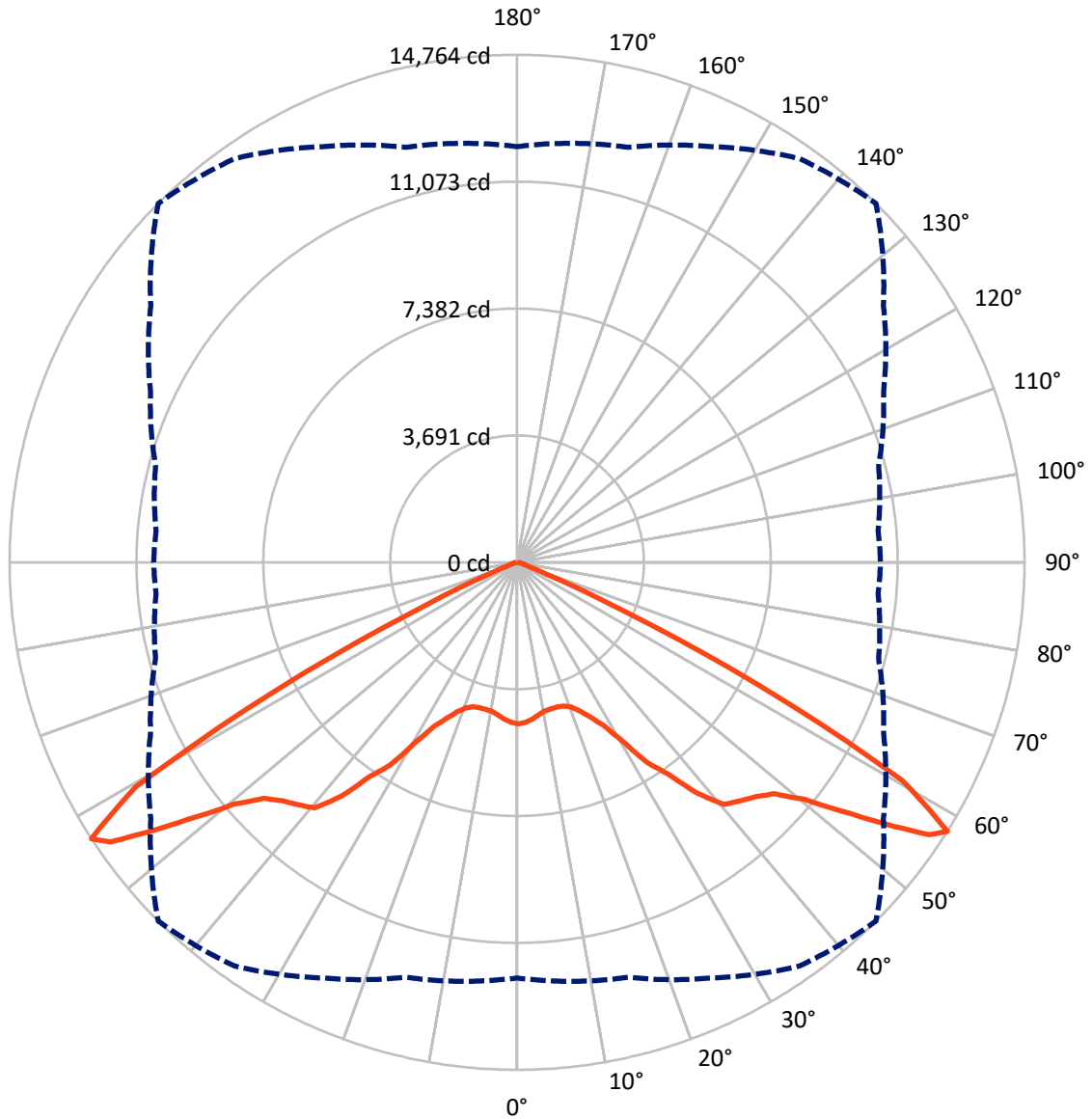
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P534023
CATALOG NUMBER: GALN-SA9C-730-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P534023
 CATALOG NUMBER: GALN-SA9C-730-U-5WQ-GRSBK

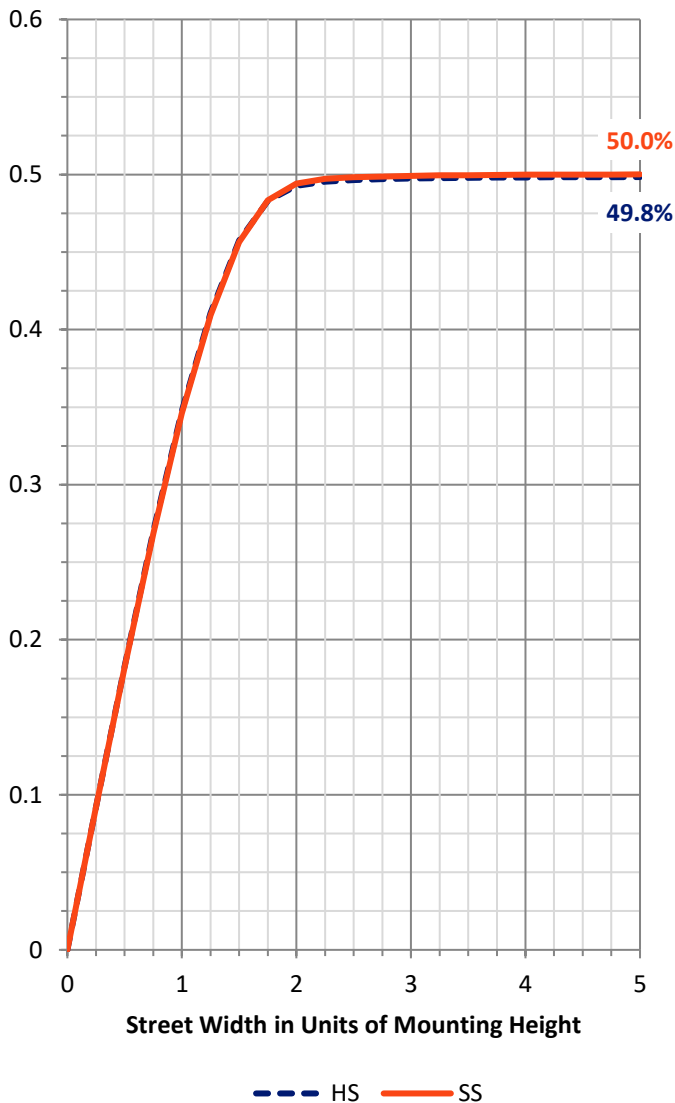
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15138.5	0.0	15138.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15138.5	0.0	15138.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30277.0	0.0	30277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.6	1.4
10°-20°	1247.4	4.1
20°-30°	2302.6	7.6
30°-40°	4528.3	15.0
40°-50°	7375.3	24.4
50°-60°	10518.1	34.7
60°-70°	3641.6	12.0
70°-80°	195.4	0.6
80°-90°	36.7	0.1
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°	30277.0	100.0
0°-180°	30277.0	100.0

Coefficient of Utilization



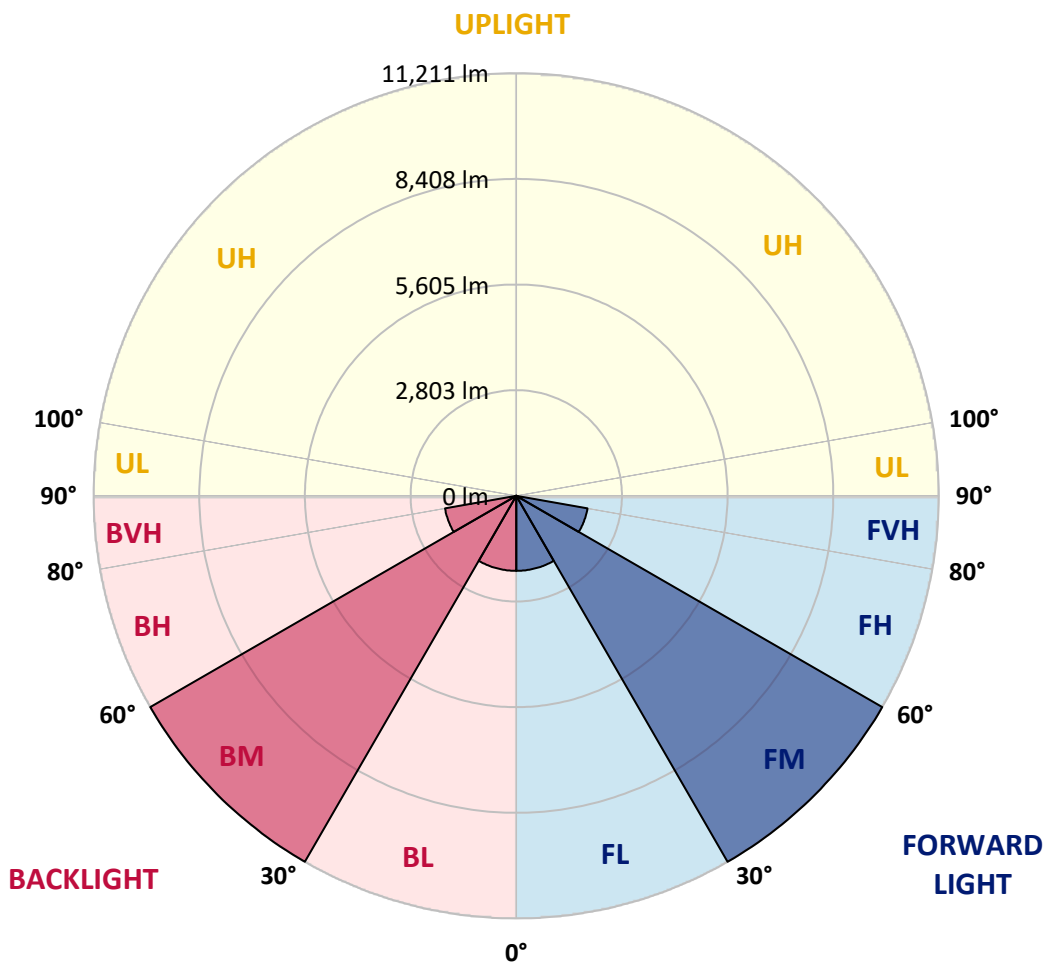
REPORT NUMBER: P534023
 CATALOG NUMBER: GALN-SA9C-730-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1990.8	6.6			
FM (30°-60°)	11210.9	37.0			
FH (60°-80°)	1918.5	6.3			G2/5000
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1990.8	6.6	B3/2500		
BM (30°-60°)	11210.9	37.0	B5		
BH (60°-80°)	1918.5	6.3	B3/2500		G2/5000
BVH (80°-90°)	18.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P534023

CATALOG NUMBER: GALN-SA9C-730-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4696.3	4696.3	4696.3	4696.3	4696.3	4696.3	4696.3	4696.3	4696.3	4696.3	4696.3
2.5°	4683.7	4708.9	4677.3	4664.7	4658.4	4658.4	4639.5	4639.5	4633.2	4639.5	4614.2
5°	4607.9	4633.2	4633.2	4626.8	4589.0	4582.7	4563.7	4551.1	4557.4	4532.2	4551.1
7.5°	4532.2	4551.1	4525.9	4519.5	4506.9	4481.7	4475.4	4418.5	4424.9	4424.9	4437.5
10°	4519.5	4513.2	4475.4	4443.8	4405.9	4399.6	4380.7	4368.0	4368.0	4361.7	4380.7
12.5°	4519.5	4488.0	4481.7	4412.2	4349.1	4374.4	4323.9	4292.3	4336.5	4349.1	4374.4
15°	4513.2	4544.8	4437.5	4405.9	4361.7	4368.0	4323.9	4292.3	4317.5	4330.2	4349.1
17.5°	4551.1	4532.2	4500.6	4437.5	4418.5	4393.3	4336.5	4311.2	4311.2	4342.8	4349.1
20°	4652.1	4601.6	4538.5	4506.9	4525.9	4494.3	4424.9	4330.2	4355.4	4380.7	4399.6
22.5°	4746.8	4708.9	4664.7	4645.8	4753.1	4702.6	4582.7	4475.4	4437.5	4481.7	4513.2
25°	4929.8	4929.8	4847.8	4873.0	4993.0	4999.3	4860.4	4671.0	4645.8	4664.7	4677.3
27.5°	5302.3	5321.2	5251.8	5277.0	5327.5	5371.7	5251.8	5093.9	5037.1	5030.8	5049.8
30°	5706.2	5744.1	5737.8	5845.1	5990.3	6015.5	5838.8	5580.0	5409.6	5378.0	5403.2
32.5°	6236.5	6255.4	6242.8	6369.0	6760.4	6943.4	6482.6	6116.5	5889.3	5946.1	5889.3
35°	7233.8	7214.8	7076.0	7101.2	7423.2	7555.7	7113.9	6880.3	6773.0	6886.6	6861.4
37.5°	8092.2	8022.8	7909.2	8073.3	8407.9	8527.8	8067.0	7656.7	7461.0	7650.4	7732.4
40°	8818.1	8641.4	8483.6	8647.7	9095.9	9260.0	8584.6	8250.1	8174.3	8313.2	8489.9
42.5°	9430.4	9316.8	9108.5	9121.1	9417.8	9493.6	8950.7	8755.0	8679.3	8900.2	8988.6
45°	9866.0	9758.7	9563.0	9550.4	9777.6	9727.1	9241.1	9108.5	9152.7	9297.9	9342.1
47.5°	10086.9	10143.7	10030.1	10061.7	10181.6	10061.7	9676.6	9676.6	9575.6	9664.0	9619.8
50°	10724.4	10547.7	10692.9	10692.9	10819.1	10831.7	10446.7	10307.8	10036.4	9884.9	9884.9
52.5°	11469.3	11481.9	11538.7	11747.0	11961.6	12144.7	11595.5	11002.2	10547.7	10352.0	10326.8
55°	12081.6	12207.8	12435.0	12826.4	13445.0	13697.5	12750.7	11690.2	11134.7	10831.7	10768.6
56°	12416.1	12296.2	12687.5	13224.1	14032.0	14360.3	12940.0	11829.1	11216.8	10875.9	10869.6
57.5°	12094.2	12226.7	12498.2	13344.0	14335.0	14764.2	13009.5	11765.9	10888.6	10541.4	10572.9
60°	9550.4	9676.6	10042.7	10989.5	12542.3	12876.9	11008.5	9701.9	8919.1	8420.5	8426.8
62.5°	5403.2	5497.9	5782.0	6659.4	7625.1	7947.1	6861.4	5990.3	5447.4	5169.7	5081.3
65°	1988.3	1950.5	1994.7	2442.8	3036.2	3307.6	2853.1	2411.3	2127.2	2026.2	1988.3
67.5°	744.8	688.0	643.8	688.0	864.8	915.3	839.5	700.7	656.5	675.4	688.0
70°	460.8	435.5	347.2	328.2	321.9	315.6	334.5	353.5	404.0	473.4	486.0
72.5°	321.9	303.0	246.2	233.6	220.9	214.6	246.2	271.4	315.6	366.1	372.4
75°	126.2	132.6	126.2	138.9	145.2	151.5	176.7	195.7	214.6	214.6	208.3
77.5°	25.2	25.2	37.9	50.5	63.1	82.1	119.9	138.9	145.2	138.9	119.9
80°	0.0	0.0	12.6	25.2	50.5	69.4	107.3	119.9	132.6	119.9	94.7
82.5°	0.0	0.0	12.6	31.6	50.5	63.1	101.0	126.2	145.2	132.6	101.0
85°	0.0	0.0	12.6	25.2	37.9	44.2	44.2	31.6	31.6	18.9	12.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)