

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: P530746

Luminaire Tested: **GALN-SA6A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530746
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-SA6A-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22245 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

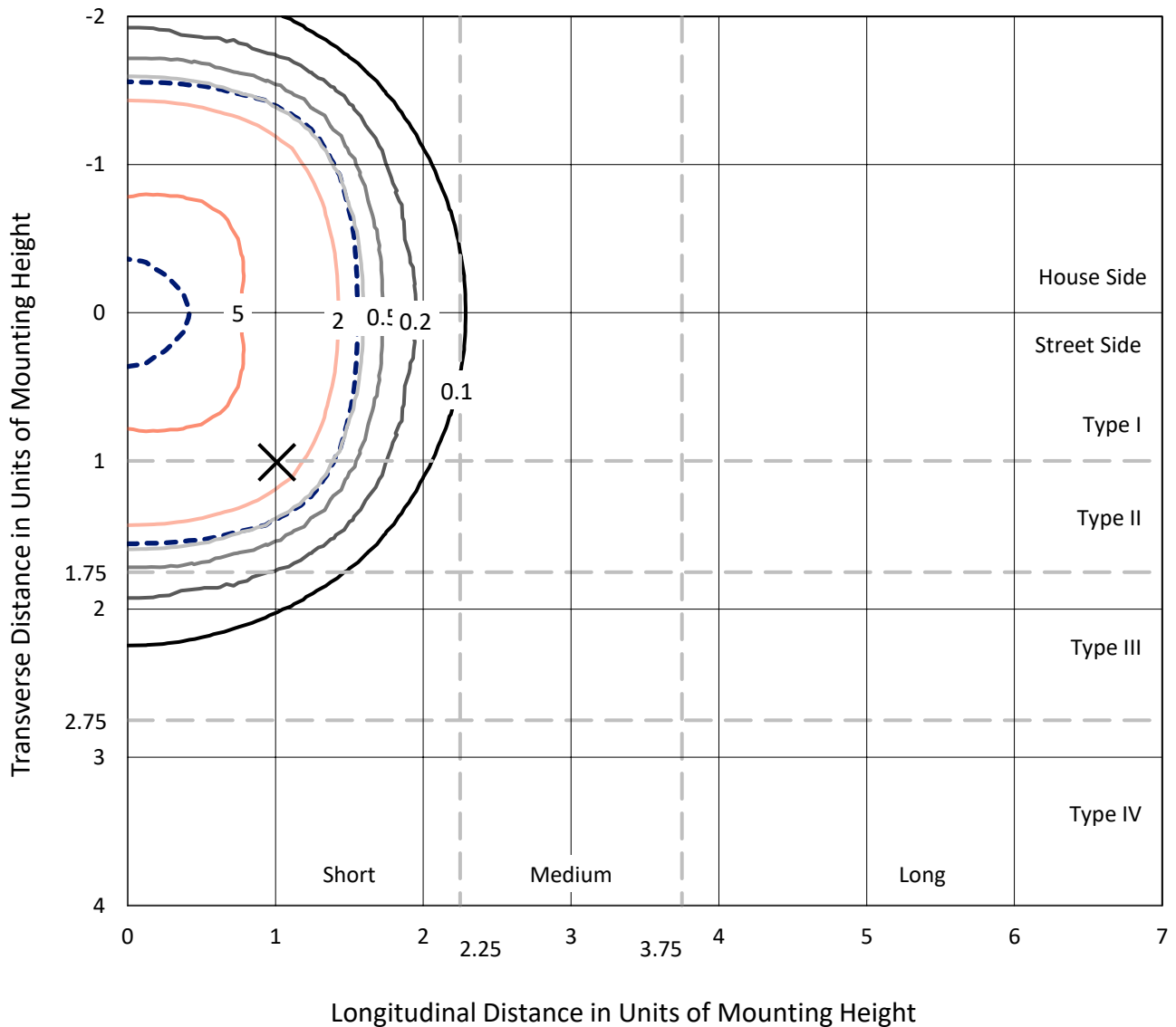
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

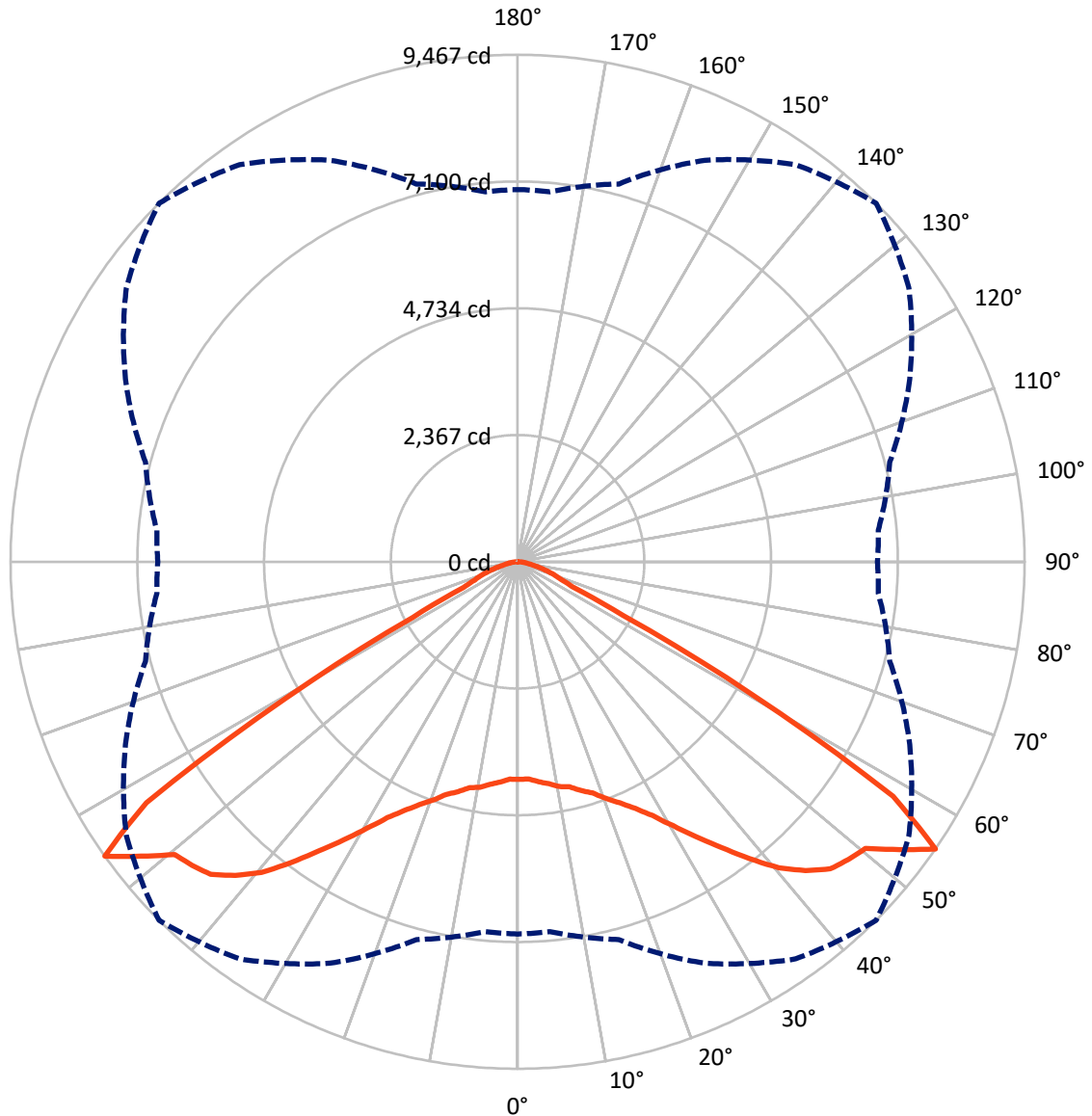
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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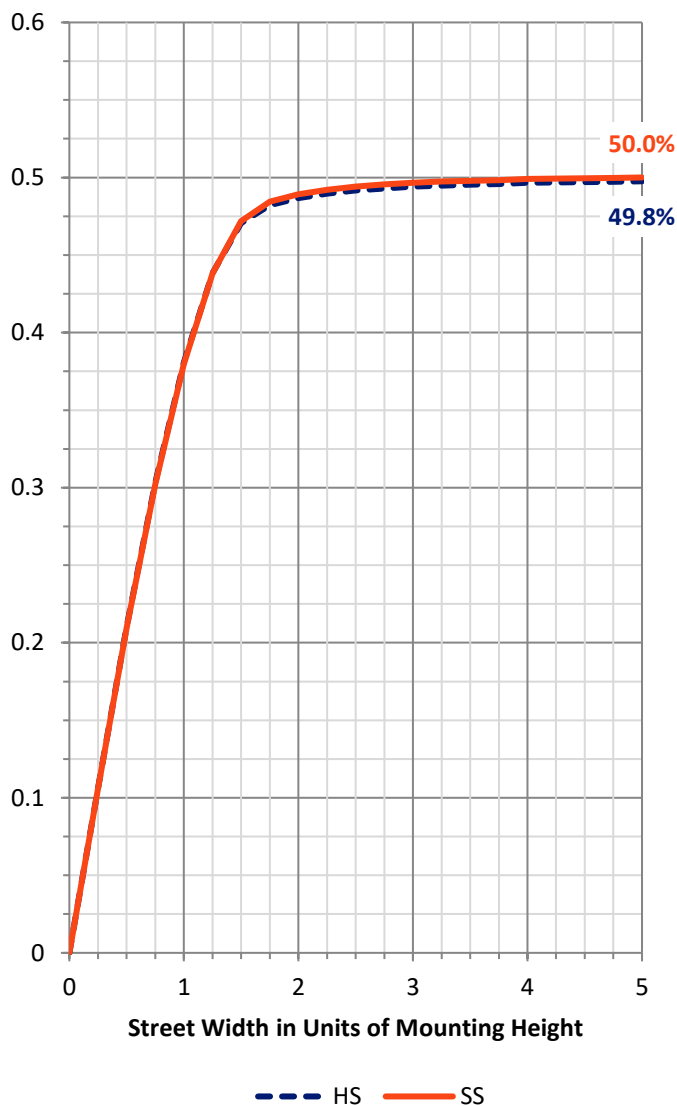
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11122.5	0.0	11122.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11122.5	0.0	11122.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22245.0	0.0	22245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.8	1.8
10°-20°	1257.2	5.7
20°-30°	2344.3	10.5
30°-40°	3925.1	17.6
40°-50°	6107.8	27.5
50°-60°	6341.8	28.5
60°-70°	1344.9	6.0
70°-80°	442.9	2.0
80°-90°	84.3	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°	22245.0	100.0
0°-180°	22245.0	100.0

Coefficient of Utilization

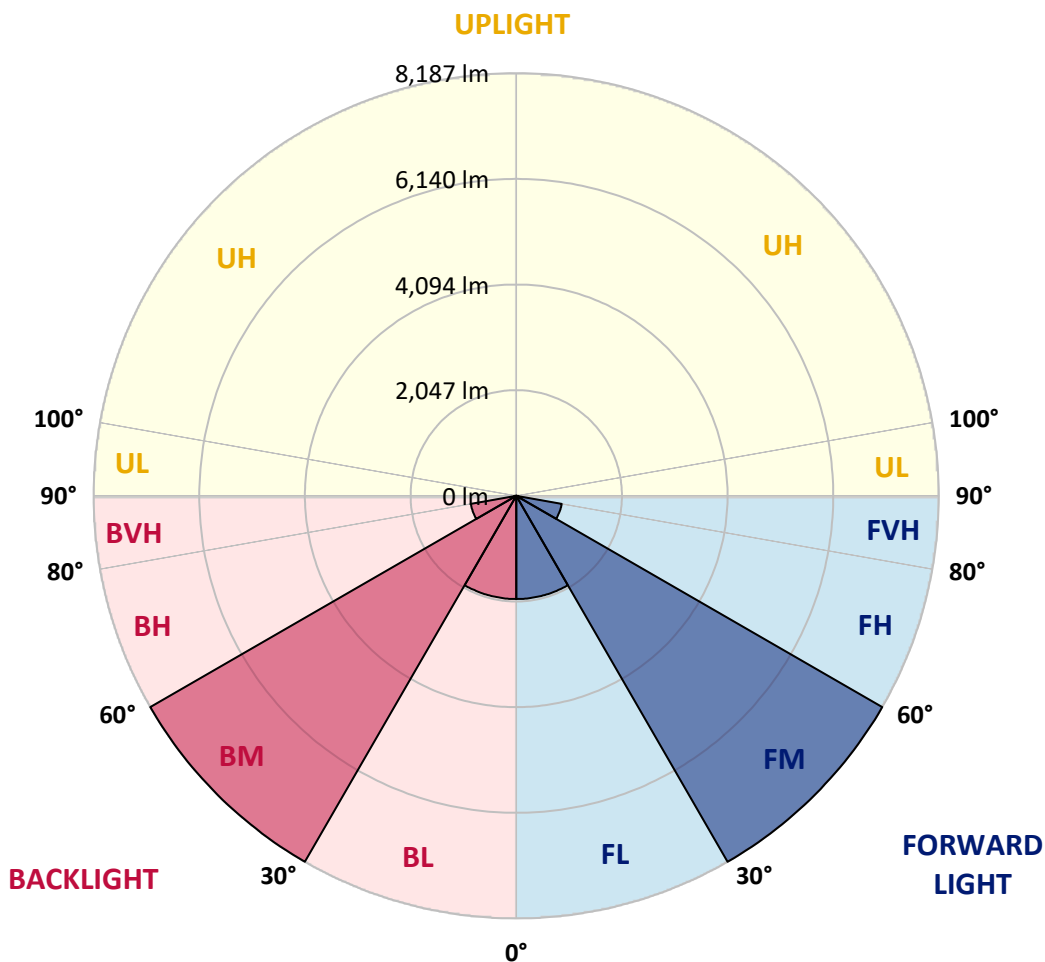


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1999.1	9.0			
FM (30°-60°)	8187.3	36.8			
FH (60°-80°)	893.9	4.0			G1/1800
FVH (80°-90°)	42.2	0.2			G1/100
BL (0°-30°)	1999.1	9.0	B3/2500		
BM (30°-60°)	8187.3	36.8	B4/8500		
BH (60°-80°)	893.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	42.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4061.6	4061.6	4061.6	4061.6	4061.6	4061.6	4061.6	4061.6	4061.6	4061.6	4061.6
2.5°	4110.0	4091.2	4058.9	4083.1	4101.9	4061.6	4077.7	4085.8	4080.4	4058.9	4067.0
5°	4169.1	4158.4	4131.5	4150.3	4126.1	4126.1	4110.0	4088.5	4120.7	4115.4	4128.8
7.5°	4169.1	4155.7	4209.4	4174.5	4185.3	4185.3	4158.4	4136.9	4153.0	4128.8	4115.4
10°	4252.5	4271.3	4247.1	4255.1	4249.8	4268.6	4228.3	4214.8	4201.4	4193.3	4177.2
12.5°	4351.9	4338.5	4346.5	4341.2	4360.0	4311.6	4287.4	4257.8	4282.0	4247.1	4271.3
15°	4432.6	4424.5	4432.6	4454.1	4435.2	4432.6	4389.5	4360.0	4322.3	4330.4	4292.8
17.5°	4542.8	4534.7	4537.4	4556.2	4553.5	4540.1	4507.8	4451.4	4437.9	4416.4	4392.2
20°	4706.7	4693.3	4687.9	4696.0	4709.4	4720.2	4655.7	4634.2	4588.5	4553.5	4513.2
22.5°	4846.5	4841.1	4862.6	4827.7	4857.3	4889.5	4827.7	4816.9	4704.0	4685.2	4642.2
25°	5040.0	5032.0	5018.5	5069.6	5104.6	5101.9	5042.7	4983.6	4897.6	4876.1	4876.1
27.5°	5244.3	5198.6	5268.5	5282.0	5343.8	5362.6	5311.5	5225.5	5144.9	5099.2	5109.9
30°	5499.7	5456.7	5472.8	5569.6	5650.2	5720.1	5591.1	5464.8	5351.9	5271.2	5257.8
32.5°	5755.1	5712.1	5760.4	5854.5	6015.8	6120.6	5994.3	5773.9	5642.2	5523.9	5548.1
35°	5962.0	5994.3	6072.2	6214.7	6381.4	6550.7	6349.1	6179.8	5991.6	5859.9	5878.7
37.5°	6295.4	6394.8	6456.6	6620.6	6857.2	7031.9	6822.2	6601.8	6400.2	6228.2	6169.0
40°	6730.8	6798.0	6867.9	7061.4	7341.0	7515.7	7316.8	7029.2	6830.3	6652.9	6644.8
42.5°	7209.3	7273.8	7346.4	7582.9	7749.6	7881.3	7698.5	7545.3	7324.9	7185.1	7177.0
45°	7765.7	7720.0	7800.6	7956.6	8096.3	8182.3	8064.1	7988.8	7830.2	7701.2	7687.8
47.5°	8136.7	8096.3	8241.5	8381.3	8402.8	8308.7	8332.9	8402.8	8236.1	8023.8	8091.0
50°	8351.7	8351.7	8448.5	8577.5	8537.2	8416.2	8607.1	8612.4	8445.8	8257.6	8257.6
52.5°	7978.1	8061.4	8335.6	8757.6	8892.0	8926.9	8883.9	8701.1	8265.7	7881.3	7862.5
55°	6951.2	6932.4	7303.4	8271.1	9053.3	9467.2	8918.9	8077.5	7193.2	6760.4	6717.4
57.5°	4521.3	4542.8	5096.5	6083.0	7494.2	8265.7	7341.0	6158.3	5096.5	4499.8	4556.2
60°	2034.8	2107.4	2443.4	3179.9	4392.2	5021.2	4403.0	3341.2	2564.4	2225.7	2255.3
62.5°	1169.3	1182.7	1196.2	1419.3	1870.9	2212.2	1943.4	1499.9	1322.5	1263.4	1263.4
65°	986.5	978.4	981.1	999.9	1048.3	1118.2	1088.6	1048.3	1053.7	1048.3	1040.3
67.5°	838.7	849.4	841.4	854.8	857.5	868.2	887.0	903.2	905.9	911.2	905.9
70°	688.1	690.8	696.2	707.0	709.6	717.7	744.6	758.0	766.1	766.1	776.8
72.5°	526.9	524.2	529.5	540.3	553.7	556.4	580.6	599.4	610.2	596.7	599.4
75°	346.8	349.4	357.5	365.6	384.4	403.2	411.3	430.1	432.8	438.1	424.7
77.5°	207.0	212.4	220.4	236.5	252.7	268.8	287.6	301.1	306.4	301.1	284.9
80°	134.4	134.4	145.2	158.6	177.4	190.8	201.6	212.4	220.4	212.4	207.0
82.5°	83.3	83.3	96.8	112.9	126.3	134.4	150.5	164.0	172.0	166.7	158.6
85°	43.0	45.7	56.4	69.9	80.6	86.0	83.3	75.3	67.2	64.5	59.1
87.5°	13.4	13.4	16.1	16.1	13.4	13.4	16.1	13.4	16.1	16.1	16.1
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)