

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: P651929

Luminaire Tested: **GALN-SA6A-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20130.2 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

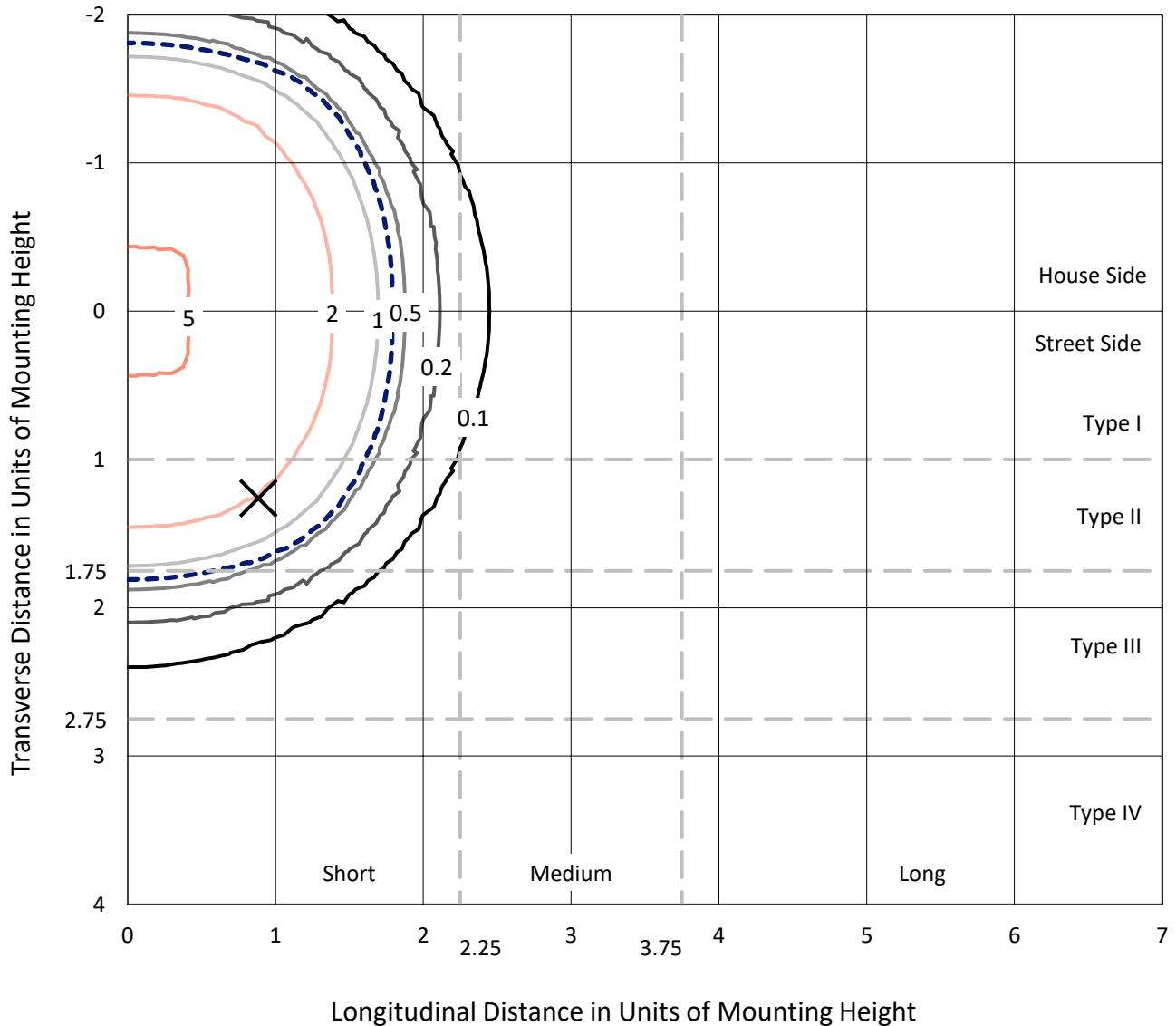
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P651929
 CATALOG NUMBER: GALN-SA6A-840-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

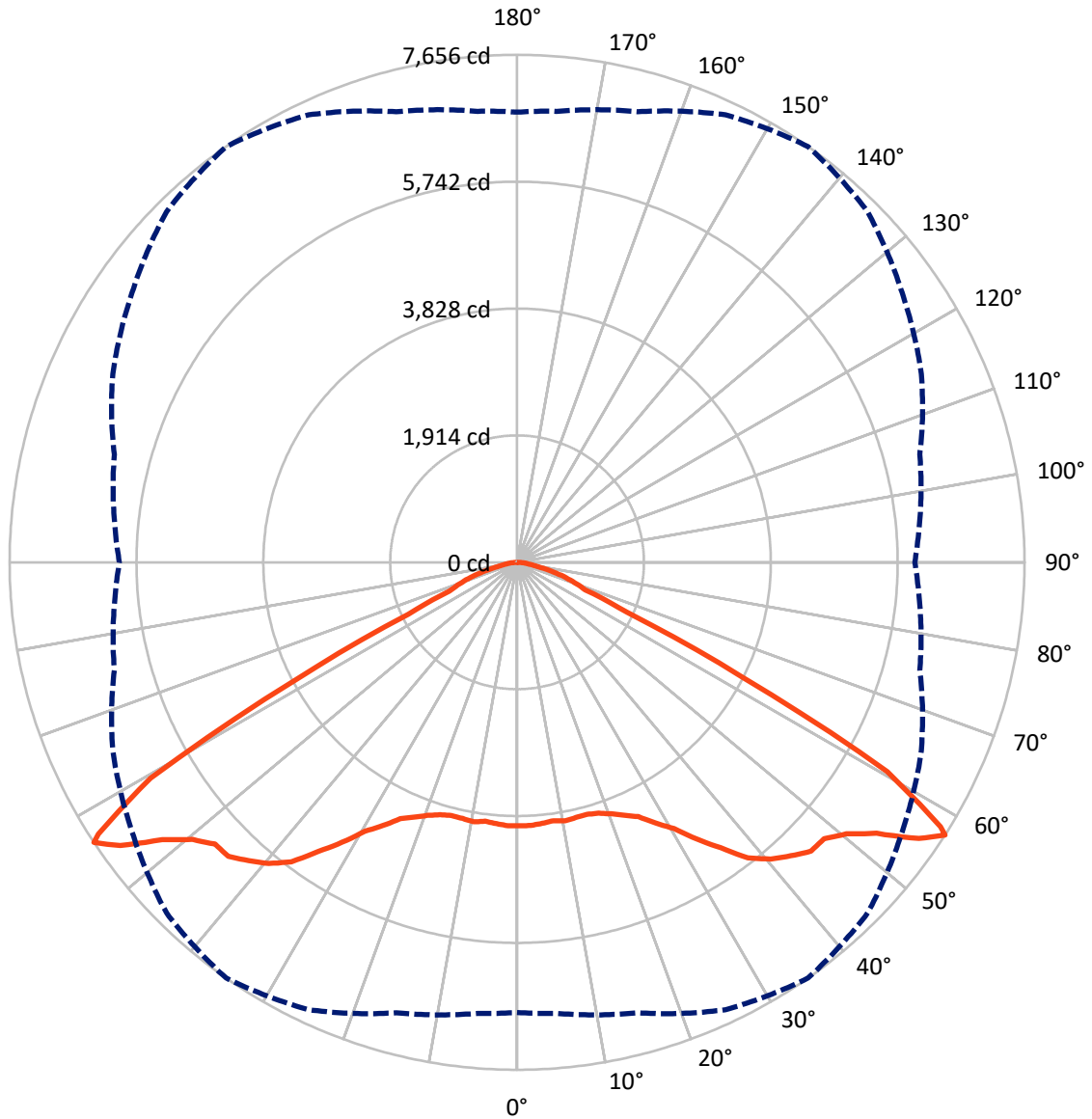
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

REPORT NUMBER: P651929
CATALOG NUMBER: GALN-SA6A-840-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P651929
 CATALOG NUMBER: GALN-SA6A-840-U-5MQ-GRSWH

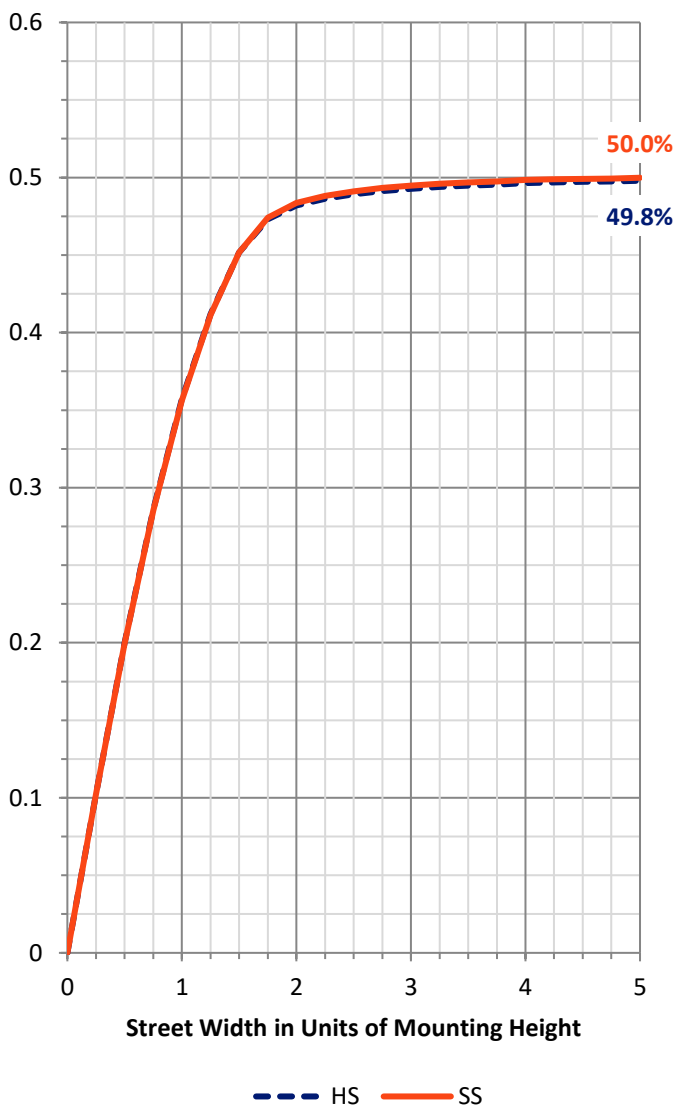
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10065.1	0.0	10065.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10065.1	0.0	10065.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	20130.2	0.0	20130.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.9	1.9
10°-20°	1116.3	5.5
20°-30°	1949.5	9.7
30°-40°	3194.4	15.9
40°-50°	4683.7	23.3
50°-60°	5899.5	29.3
60°-70°	2218.8	11.0
70°-80°	589.9	2.9
80°-90°	101.2	0.5
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°	20130.2	100.0
0°-180°	20130.2	100.0

Coefficient of Utilization



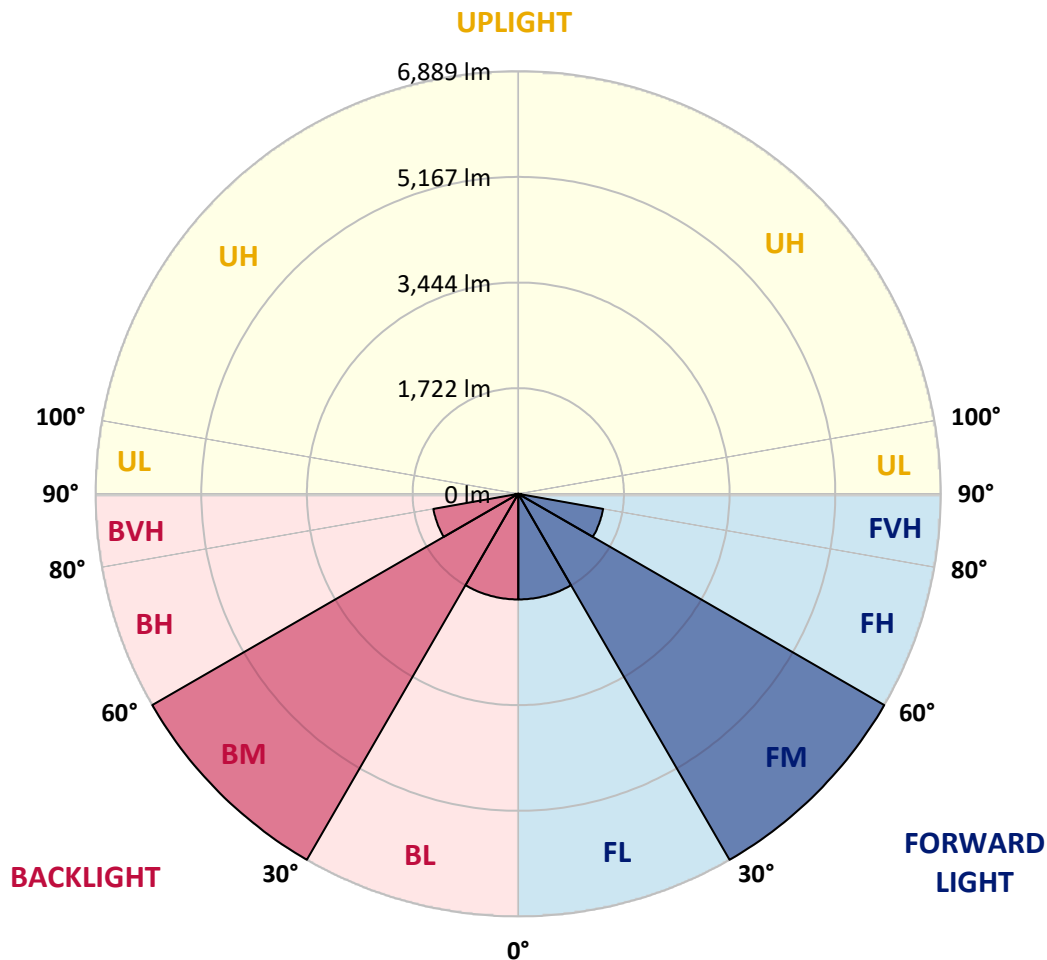
REPORT NUMBER: P651929
 CATALOG NUMBER: GALN-SA6A-840-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1721.3	8.6			
FM (30°-60°)	6888.8	34.2			
FH (60°-80°)	1404.4	7.0			G1/1800
FVH (80°-90°)	50.6	0.3			G1/100
BL (0°-30°)	1721.3	8.6	B3/2500		
BM (30°-60°)	6888.8	34.2	B4/8500		
BH (60°-80°)	1404.4	7.0	B3/2500		G1/1800
BVH (80°-90°)	50.6	0.3			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





REPORT NUMBER: P651929

CATALOG NUMBER: GALN-SA6A-840-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3975.6	3975.6	3975.6	3975.6	3975.6	3975.6	3975.6	3975.6	3975.6	3975.6	3975.6
2.5°	3955.7	3995.4	3978.0	3968.1	3975.6	3963.1	3943.3	3965.7	3960.7	3940.8	3933.4
5°	3945.8	3975.6	3955.7	3975.6	3955.7	3990.5	3980.5	3943.3	3987.9	3945.8	3960.7
7.5°	3938.3	3948.2	3953.2	3943.3	3935.9	3978.0	3955.7	3938.3	3913.6	3906.1	3918.6
10°	3921.0	3945.8	3908.6	3958.2	3968.1	3938.3	3938.3	3906.1	3886.3	3873.9	3916.0
12.5°	3965.7	3923.5	3918.6	3943.3	3950.8	3963.1	3928.5	3911.1	3873.9	3878.9	3871.4
15°	3913.6	3930.9	3933.4	3938.3	3945.8	3975.6	3943.3	3906.1	3891.2	3839.2	3844.1
17.5°	3933.4	3916.0	3933.4	3990.5	3980.5	4002.8	3968.1	3911.1	3876.3	3846.6	3886.3
20°	3968.1	3960.7	3968.1	4037.6	4050.0	4069.8	4040.1	3987.9	3921.0	3886.3	3906.1
22.5°	4005.3	4000.4	4005.3	4072.3	4144.2	4169.0	4139.2	4017.7	3983.0	3918.6	3896.2
25°	4072.3	4077.3	4129.3	4203.7	4250.8	4297.9	4243.4	4156.6	4045.0	4005.3	3958.2
27.5°	4221.1	4233.5	4263.3	4372.4	4454.2	4496.4	4419.5	4300.5	4231.0	4149.2	4136.8
30°	4404.7	4404.7	4456.7	4550.9	4662.5	4727.0	4632.8	4491.4	4407.1	4362.4	4335.2
32.5°	4647.7	4620.4	4640.2	4806.4	4980.0	5034.6	4908.1	4734.5	4600.5	4541.0	4521.2
35°	4856.0	4873.3	4918.0	5096.5	5290.0	5416.5	5218.1	4992.4	4856.0	4801.4	4791.5
37.5°	5126.3	5156.1	5178.4	5423.9	5657.1	5704.2	5513.2	5332.2	5166.0	5121.4	5096.5
40°	5508.2	5488.4	5495.9	5676.9	5887.7	5917.4	5729.0	5600.1	5463.6	5436.3	5436.3
42.5°	5823.3	5800.9	5825.7	5892.6	6053.9	6031.6	5927.4	5833.2	5776.1	5746.3	5776.1
45°	6014.2	6009.2	6053.9	6103.5	6217.5	6143.2	6061.3	6076.2	6021.6	5972.0	5969.5
47.5°	6222.5	6190.3	6244.8	6319.3	6232.4	6197.7	6192.8	6225.0	6207.6	6120.8	6093.5
50°	6324.2	6311.8	6398.6	6485.4	6438.3	6358.9	6376.3	6428.4	6205.2	6088.6	6021.6
52.5°	6597.0	6599.5	6765.7	6812.8	6792.9	6676.4	6713.5	6572.2	6309.4	6145.6	6153.1
55°	7026.1	7008.7	7194.7	7333.6	7355.9	7207.1	7028.6	6830.1	6500.3	6334.1	6284.5
57°	6790.5	6830.1	7036.0	7447.6	7656.0	7479.9	7090.6	6728.4	6289.5	6088.6	5999.3
57.5°	6475.4	6540.0	6897.1	7311.2	7529.5	7514.7	7013.7	6540.0	6148.1	5835.6	5843.1
60°	4744.4	4756.8	5079.2	5736.4	6418.4	6433.3	5823.3	5195.8	4759.3	4419.5	4466.6
62.5°	2502.4	2559.4	2688.4	3216.7	3807.0	3950.8	3581.2	3258.8	2881.9	2623.9	2648.7
65°	1324.3	1316.9	1378.9	1527.8	1817.9	1892.3	1842.7	1587.2	1455.8	1413.6	1416.2
67.5°	1076.3	1088.8	1081.3	1088.8	1108.6	1140.8	1133.4	1143.3	1150.7	1163.2	1160.7
70°	912.7	912.7	917.6	920.1	920.1	935.0	952.3	984.6	987.1	999.4	1004.4
72.5°	719.2	714.3	721.7	739.1	741.5	754.0	778.8	798.6	806.0	806.0	791.1
75°	488.5	493.5	503.4	518.3	533.2	555.6	575.4	587.8	592.7	585.3	577.9
77.5°	275.3	280.2	287.7	310.0	327.4	347.2	369.5	381.9	394.3	396.8	381.9
80°	163.7	163.7	176.1	193.4	213.3	233.1	253.0	267.9	272.8	272.8	265.3
82.5°	99.2	101.7	111.6	128.9	146.3	158.7	176.1	188.5	198.4	196.0	191.0
85°	52.1	52.1	62.0	76.9	89.3	101.7	101.7	94.3	89.3	76.9	71.9
87.5°	17.3	14.9	19.8	19.8	17.3	19.8	19.8	22.3	22.3	22.3	22.3
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)