

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: P651061

Luminaire Tested: **GALN-SA8C-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30854.6 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

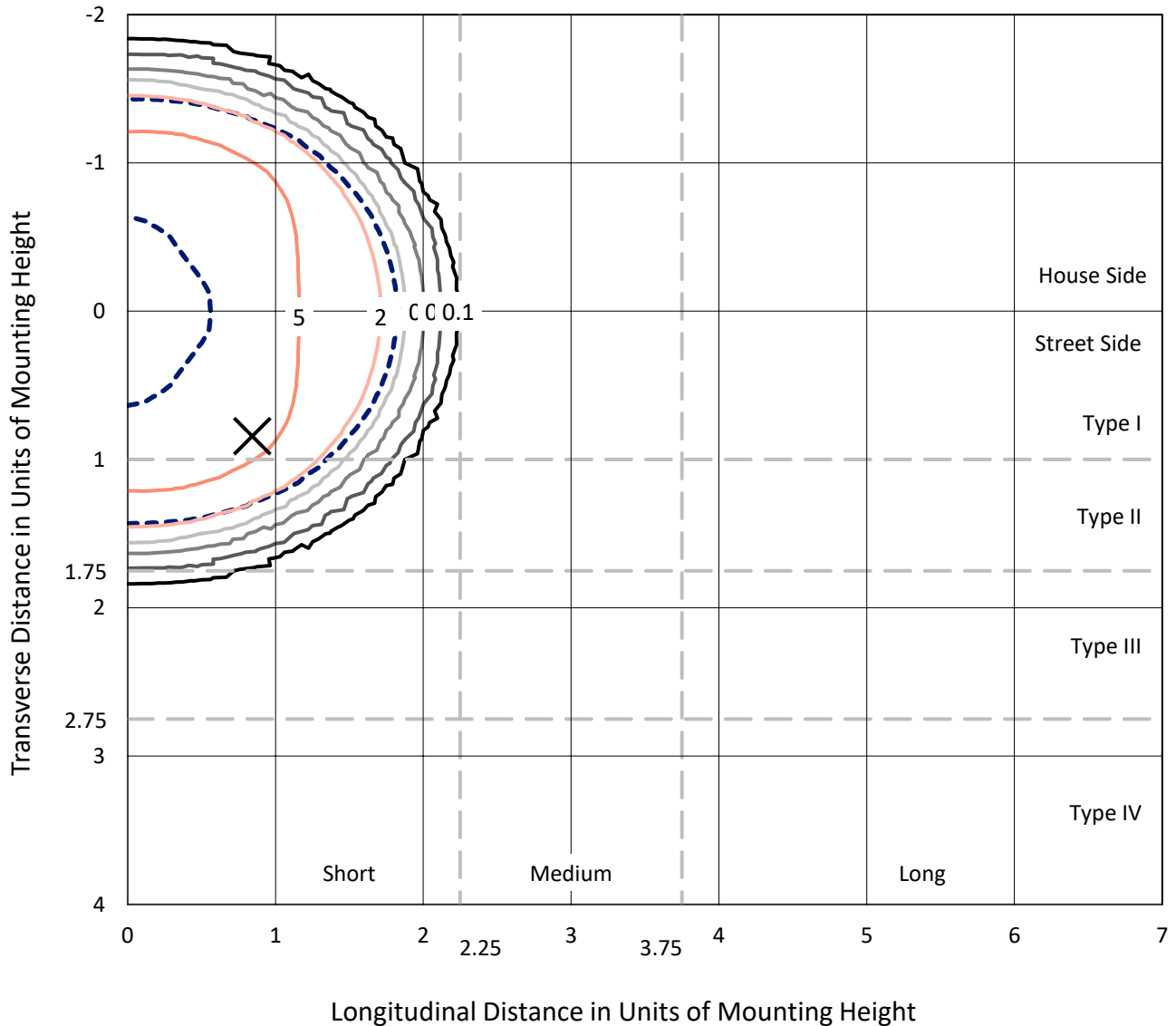
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

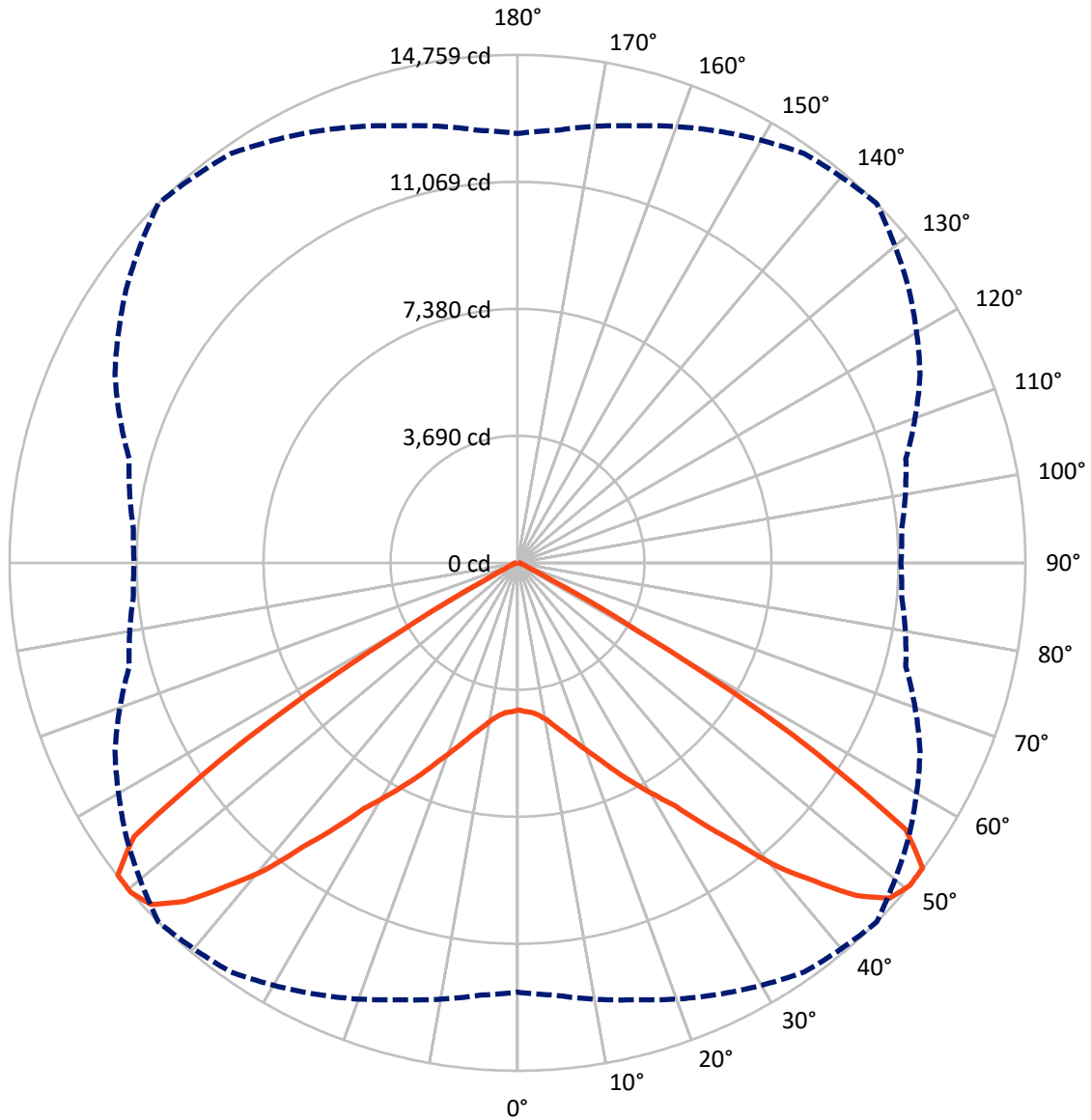
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P651061
CATALOG NUMBER: GALN-SA8C-840-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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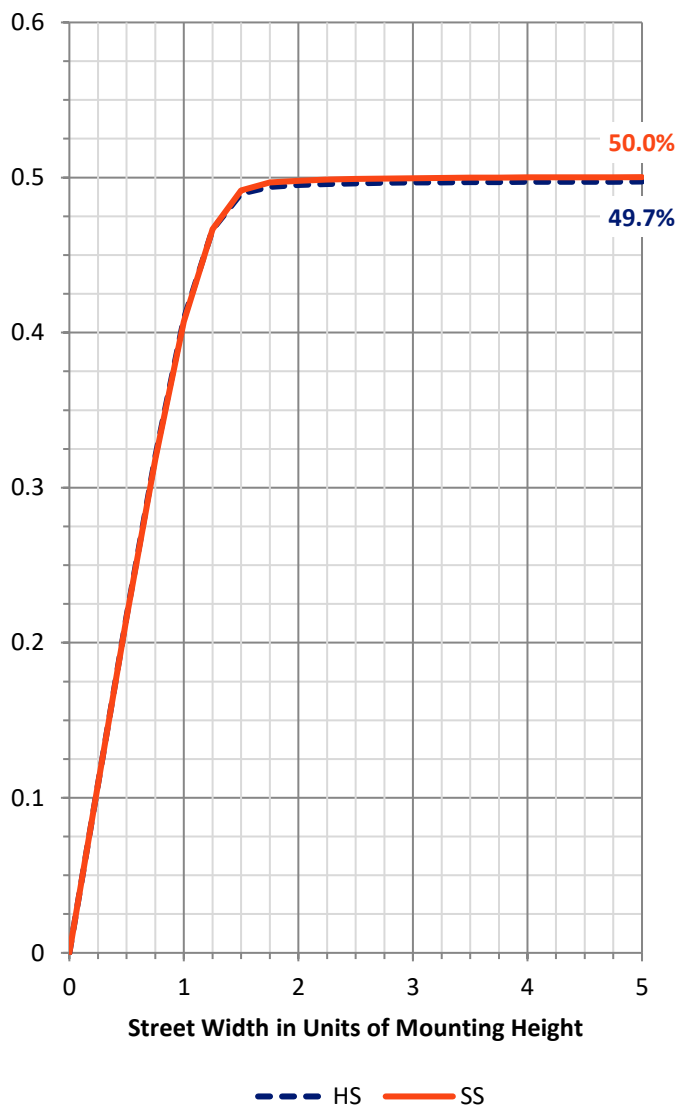
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15427.3	0.0	15427.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15427.3	0.0	15427.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	30854.6	0.0	30854.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.6	1.4
10°-20°	1466.7	4.8
20°-30°	2995.6	9.7
30°-40°	5712.7	18.5
40°-50°	9626.7	31.2
50°-60°	9180.8	29.8
60°-70°	1281.6	4.2
70°-80°	122.6	0.4
80°-90°	42.3	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°	30854.6	100.0
0°-180°	30854.6	100.0

Coefficient of Utilization



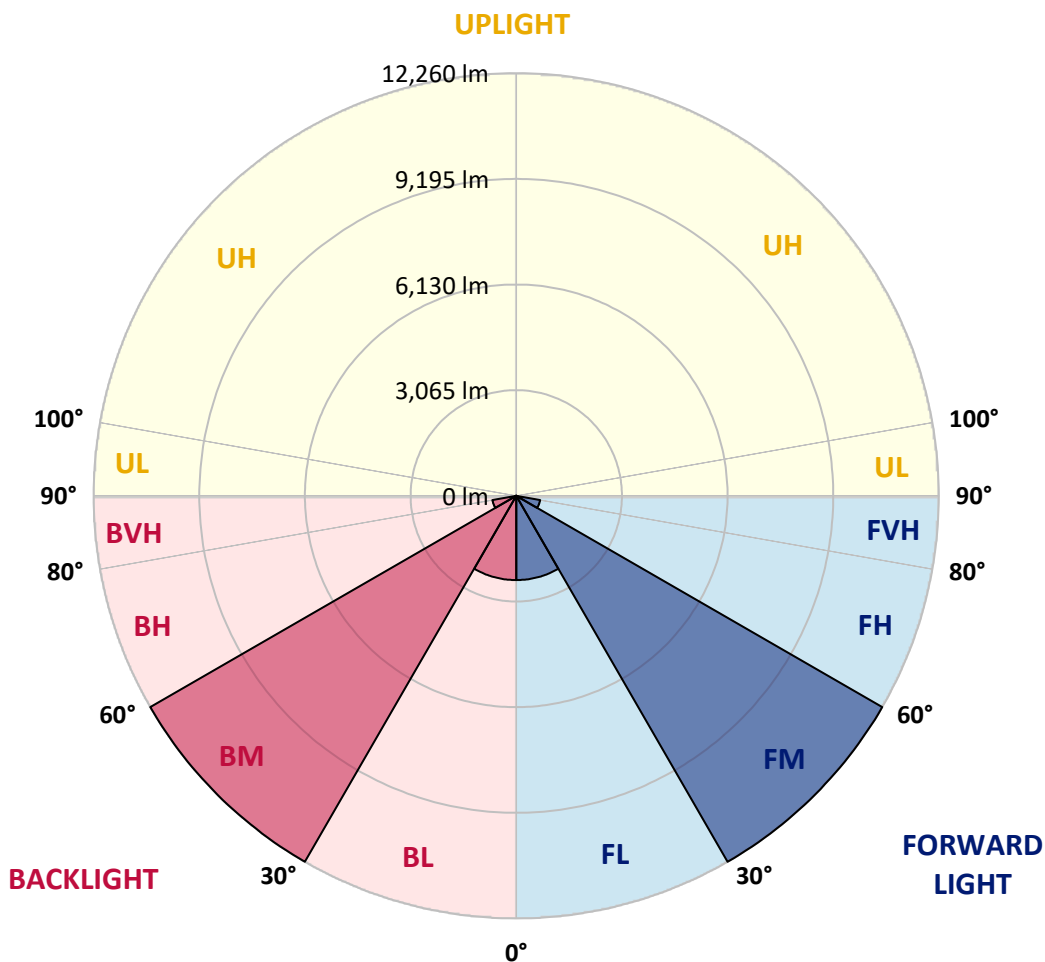
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2444.0	7.9			
FM (30°-60°)	12260.1	39.7			
FH (60°-80°)	702.1	2.3			G1/1800
FVH (80°-90°)	21.2	0.1			G1/100
BL (0°-30°)	2444.0	7.9	B3/2500		
BM (30°-60°)	12260.1	39.7	B5		
BH (60°-80°)	702.1	2.3	B2/1000		G1/1800
BVH (80°-90°)	21.2	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4277.7	4277.7	4277.7	4277.7	4277.7	4277.7	4277.7	4277.7	4277.7	4277.7	4277.7
2.5°	4262.1	4262.1	4256.9	4298.4	4277.7	4324.3	4319.2	4334.8	4350.3	4345.1	4386.7
5°	4225.8	4220.6	4220.6	4267.2	4314.0	4365.9	4412.6	4443.8	4495.6	4495.6	4547.6
7.5°	4262.1	4236.1	4272.4	4293.2	4381.4	4469.7	4547.6	4609.9	4729.3	4770.8	4755.3
10°	4272.4	4303.6	4329.6	4391.9	4500.9	4635.8	4703.4	4859.0	4994.0	5087.5	5108.2
12.5°	4340.0	4386.7	4459.3	4609.9	4708.5	4885.0	4978.5	5129.0	5315.9	5419.7	5492.4
15°	4469.7	4485.3	4578.7	4770.8	4983.7	5144.6	5290.0	5399.0	5580.7	5700.0	5705.3
17.5°	4635.8	4703.4	4833.1	5014.8	5238.1	5476.8	5591.1	5710.5	5777.9	5938.9	5975.2
20°	4968.1	4978.5	5103.1	5341.9	5622.2	5840.2	5923.3	5985.6	5959.7	6125.8	6156.9
22.5°	5279.5	5290.0	5445.7	5767.6	6068.7	6255.5	6291.9	6255.5	6177.6	6297.1	6307.5
25°	5596.3	5689.7	5803.9	6125.8	6499.5	6748.7	6753.9	6655.3	6494.4	6515.1	6567.0
27.5°	6089.4	6156.9	6276.3	6572.2	6982.3	7262.6	7215.9	7096.5	6888.9	6904.4	6888.9
30°	6665.7	6727.9	6826.6	7205.5	7506.7	7813.0	7880.4	7766.2	7454.7	7387.3	7465.1
32.5°	7361.3	7449.6	7631.2	7979.1	8233.5	8420.3	8467.0	8425.6	8134.8	8108.8	8160.7
35°	8207.5	8326.9	8493.0	8799.3	9006.9	9344.4	9344.4	9204.2	8939.5	8970.6	8965.4
37.5°	9100.4	9276.9	9536.4	9847.9	10128.2	10310.0	10252.9	10133.5	9868.7	9801.2	9868.7
40°	10221.7	10310.0	10637.1	11041.9	11384.6	11592.3	11348.2	11088.7	10455.3	10554.0	10735.7
42.5°	11244.4	11384.6	11633.7	12080.2	12469.6	12640.9	12350.2	11836.2	11073.1	10995.2	11130.2
45°	12116.5	12267.1	12594.1	13232.7	13642.8	13793.3	13149.6	12319.1	11446.9	11249.6	11306.7
47.5°	12698.0	12775.9	13232.7	13840.1	14213.8	14556.4	13632.4	12651.2	11623.4	11249.6	11228.9
50°	12474.7	12609.7	13144.4	13834.9	14515.0	14759.0	13876.4	12905.6	11680.5	11202.9	11140.6
52.5°	11078.3	11311.9	11908.9	12838.1	13866.1	14738.2	14213.8	12822.6	11659.7	11249.6	11343.1
55°	7709.1	7714.3	8441.1	9811.6	11628.6	13684.3	13720.7	12916.0	11794.7	11540.3	11545.5
57.5°	3099.3	3254.9	3810.4	5186.1	6862.9	9396.3	11171.8	11981.6	11810.2	11747.9	11908.9
60°	783.9	789.1	960.4	1463.9	2414.0	4028.5	5850.6	7916.8	9115.9	9526.1	9583.2
62.5°	399.7	404.9	446.5	519.1	659.3	1079.8	1920.8	3047.3	4334.8	4988.9	5160.2
65°	327.1	327.1	353.1	389.4	394.5	415.3	498.4	711.2	1033.1	1173.3	1188.8
67.5°	249.2	249.2	270.0	290.7	301.1	295.9	285.5	295.9	358.2	342.6	332.3
70°	155.8	161.0	171.3	192.1	202.4	207.6	212.9	223.2	254.4	264.7	254.4
72.5°	93.4	93.4	98.6	114.2	129.8	140.2	155.8	166.1	181.7	207.6	202.4
75°	41.5	41.5	51.9	67.4	83.1	98.6	114.2	129.8	140.2	155.8	161.0
77.5°	10.3	15.6	26.0	46.8	62.3	83.1	103.9	119.4	129.8	129.8	124.6
80°	5.2	5.2	20.8	36.3	67.4	88.2	114.2	124.6	140.2	129.8	114.2
82.5°	5.2	5.2	20.8	36.3	62.3	88.2	119.4	135.0	145.3	129.8	109.0
85°	0.0	5.2	15.6	31.1	51.9	62.3	51.9	36.3	20.8	20.8	15.6
87.5°	0.0	0.0	5.2	5.2	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)