

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: P533091

Luminaire Tested: **GALN-SA8C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533091
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-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 33412 lumens
Efficiency: N/A
Efficacy: 77.9 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

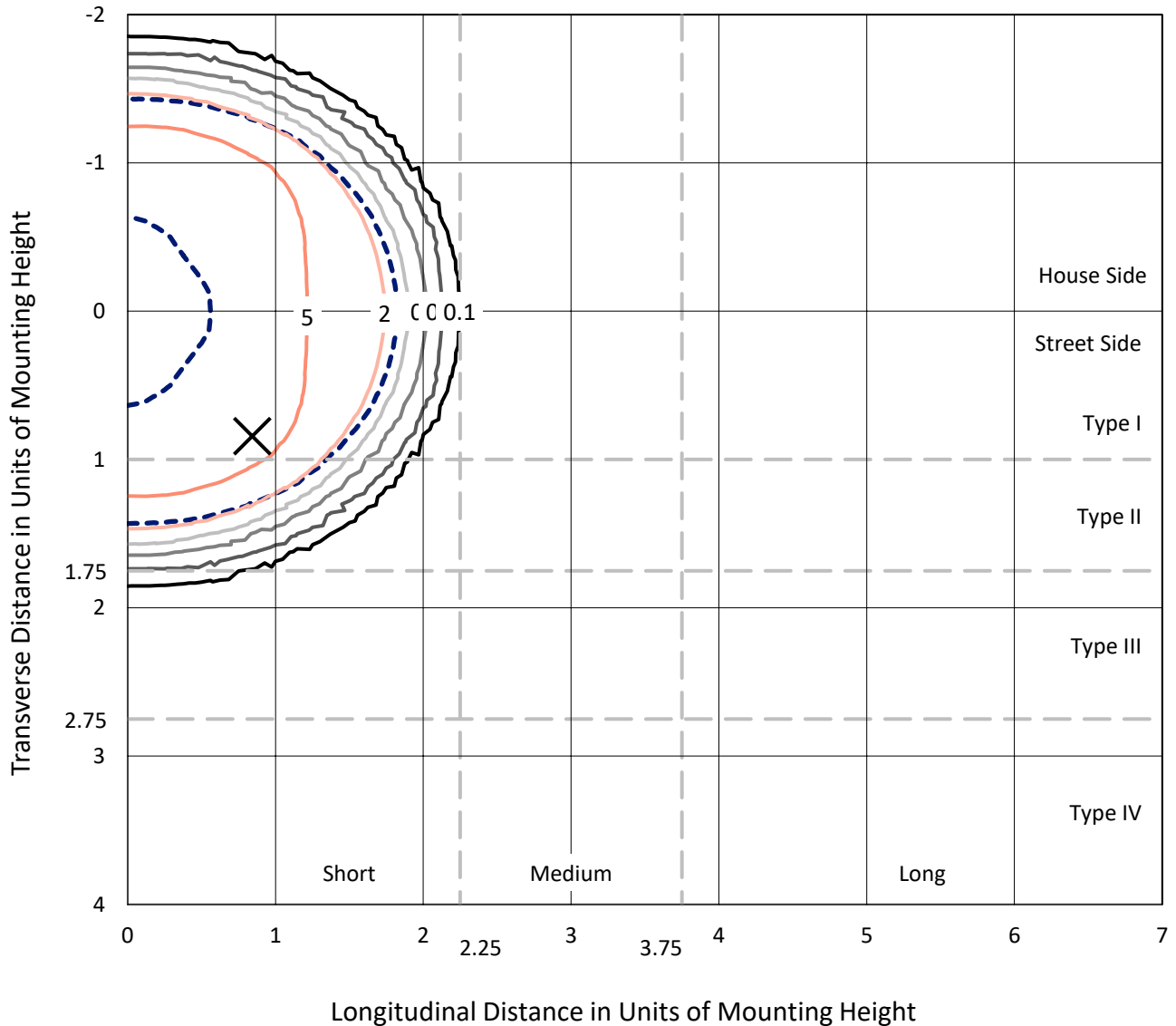
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

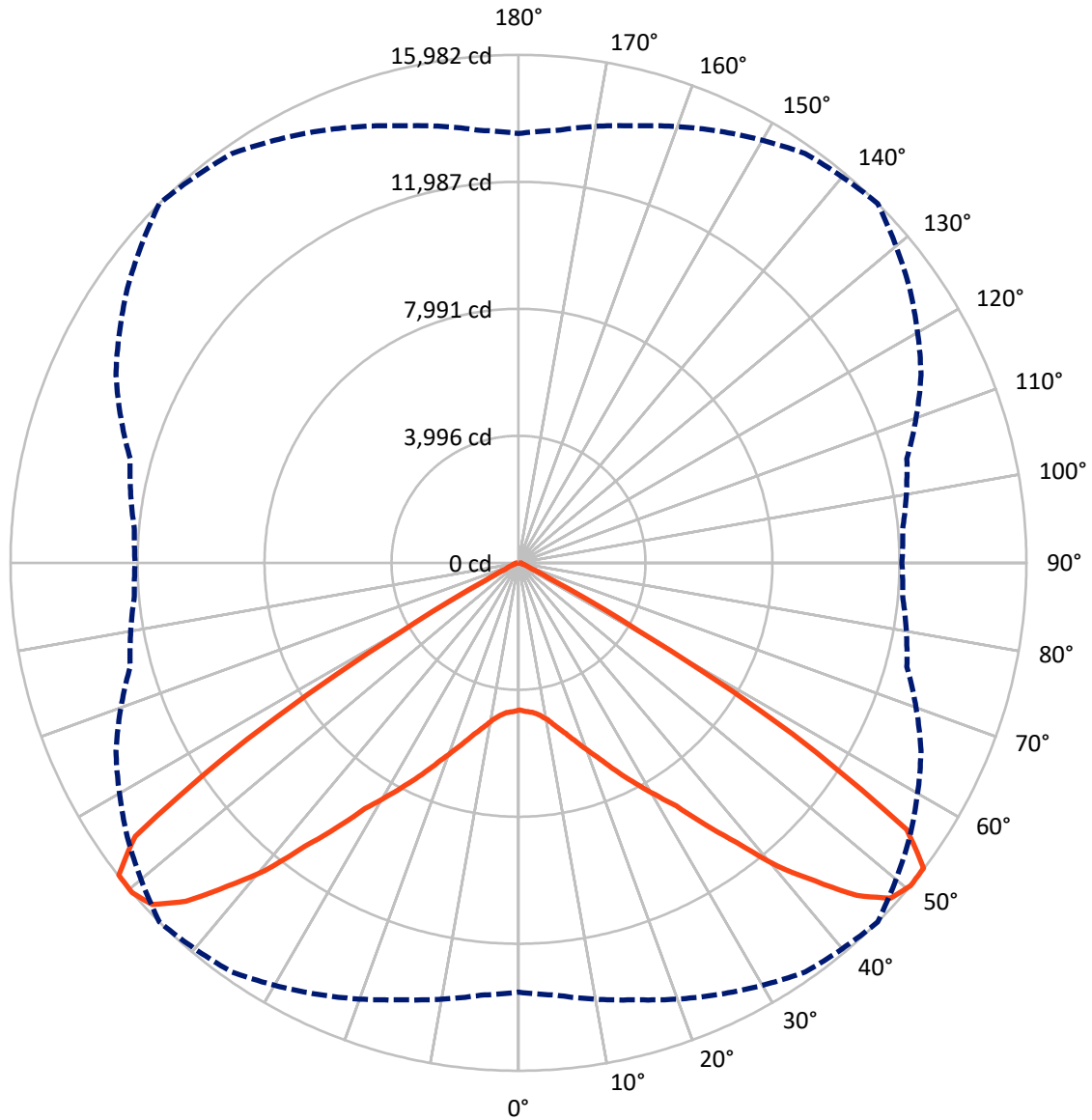
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type V - Short - N/A

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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	16706.0	0.0	16706.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16706.0	0.0	16706.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33412.0	0.0	33412.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.8	1.4
10°-20°	1588.3	4.8
20°-30°	3243.9	9.7
30°-40°	6186.2	18.5
40°-50°	10424.6	31.2
50°-60°	9941.7	29.8
60°-70°	1387.8	4.2
70°-80°	132.7	0.4
80°-90°	45.9	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°	33412.0	100.0
0°-180°	33412.0	100.0

Coefficient of Utilization



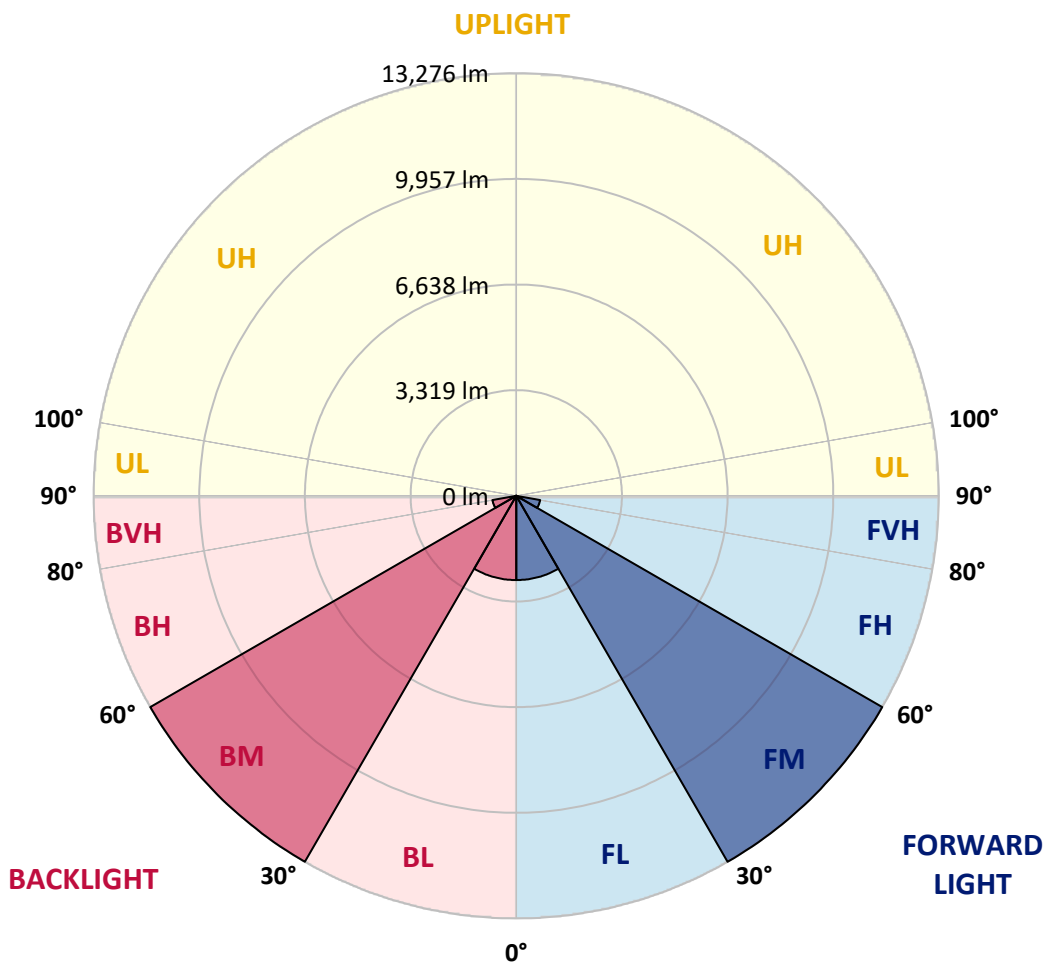
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.5	7.9			
FM (30°-60°)	13276.3	39.7			
FH (60°-80°)	760.3	2.3			G1/1800
FVH (80°-90°)	22.9	0.1			G1/100
BL (0°-30°)	2646.5	7.9	B4/5000		
BM (30°-60°)	13276.3	39.7	B5		
BH (60°-80°)	760.3	2.3	B2/1000		G1/1800
BVH (80°-90°)	22.9	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°	4632.2	4632.2	4632.2	4632.2	4632.2	4632.2	4632.2	4632.2	4632.2	4632.2	4632.2
2.5°	4615.3	4615.3	4609.7	4654.7	4632.2	4682.8	4677.2	4694.0	4710.9	4705.3	4750.3
5°	4576.0	4570.4	4570.4	4621.0	4671.6	4727.8	4778.4	4812.1	4868.3	4868.3	4924.5
7.5°	4615.3	4587.2	4626.6	4649.1	4744.6	4840.2	4924.5	4992.0	5121.3	5166.3	5149.4
10°	4626.6	4660.3	4688.4	4755.9	4873.9	5020.1	5093.2	5261.8	5408.0	5509.2	5531.7
12.5°	4699.7	4750.3	4829.0	4992.0	5098.8	5289.9	5391.1	5554.2	5756.5	5869.0	5947.7
15°	4840.2	4857.1	4958.3	5166.3	5396.7	5571.0	5728.4	5846.5	6043.2	6172.5	6178.1
17.5°	5020.1	5093.2	5233.7	5430.5	5672.2	5930.8	6054.5	6183.8	6256.9	6431.1	6470.5
20°	5379.9	5391.1	5526.0	5784.6	6088.2	6324.3	6414.3	6481.7	6453.6	6633.5	6667.2
22.5°	5717.2	5728.4	5897.1	6245.6	6571.7	6774.0	6813.4	6774.0	6689.7	6819.0	6830.3
25°	6060.1	6161.3	6285.0	6633.5	7038.3	7308.1	7313.7	7206.9	7032.6	7055.1	7111.3
27.5°	6594.1	6667.2	6796.5	7117.0	7561.1	7864.6	7814.0	7684.7	7459.9	7476.7	7459.9
30°	7218.1	7285.6	7392.4	7802.8	8128.8	8460.5	8533.6	8409.9	8072.6	7999.6	8083.9
32.5°	7971.4	8067.0	8263.8	8640.4	8915.9	9118.3	9168.8	9123.9	8809.1	8781.0	8837.2
35°	8887.8	9017.1	9197.0	9528.6	9753.5	10118.9	10118.9	9967.1	9680.4	9714.1	9708.5
37.5°	9854.7	10045.8	10326.9	10664.2	10967.8	11164.5	11102.7	10973.4	10686.7	10613.6	10686.7
40°	11068.9	11164.5	11518.7	11957.2	12328.2	12553.1	12288.8	12007.8	11321.9	11428.7	11625.5
42.5°	12176.4	12328.2	12598.0	13081.5	13503.1	13688.6	13373.8	12817.3	11990.9	11906.6	12052.7
45°	13120.8	13283.9	13638.0	14329.5	14773.6	14936.6	14239.5	13340.1	12395.6	12182.0	12243.9
47.5°	13750.5	13834.8	14329.5	14987.2	15392.0	15763.0	14762.3	13699.9	12586.8	12182.0	12159.5
50°	13508.7	13654.9	14233.9	14981.6	15718.0	15982.2	15026.6	13975.3	12648.6	12131.4	12064.0
52.5°	11996.5	12249.5	12896.0	13902.2	15015.3	15959.7	15392.0	13885.4	12626.1	12182.0	12283.2
55°	8348.1	8353.7	9140.7	10624.8	12592.4	14818.6	14857.9	13986.6	12772.3	12496.8	12502.5
57.5°	3356.1	3524.7	4126.3	5616.0	7431.8	10175.1	12097.7	12974.7	12789.2	12721.7	12896.0
60°	848.9	854.5	1040.0	1585.3	2614.0	4362.4	6335.6	8573.0	9871.5	10315.7	10377.5
62.5°	432.9	438.5	483.5	562.2	713.9	1169.3	2080.0	3299.9	4694.0	5402.4	5587.9
65°	354.2	354.2	382.3	421.6	427.2	449.7	539.7	770.2	1118.7	1270.5	1287.3
67.5°	269.8	269.8	292.3	314.8	326.1	320.4	309.2	320.4	387.9	371.0	359.8
70°	168.6	174.3	185.5	208.0	219.2	224.9	230.5	241.7	275.5	286.7	275.5
72.5°	101.2	101.2	106.8	123.7	140.5	151.8	168.6	179.9	196.8	224.9	219.2
75°	45.0	45.0	56.2	73.1	89.9	106.8	123.7	140.5	151.8	168.6	174.3
77.5°	11.2	16.9	28.1	50.6	67.5	89.9	112.4	129.3	140.5	140.5	134.9
80°	5.6	5.6	22.5	39.4	73.1	95.6	123.7	134.9	151.8	140.5	123.7
82.5°	5.6	5.6	22.5	39.4	67.5	95.6	129.3	146.2	157.4	140.5	118.1
85°	0.0	5.6	16.9	33.7	56.2	67.5	56.2	39.4	22.5	22.5	16.9
87.5°	0.0	0.0	5.6	5.6	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)