

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: P531213

Luminaire Tested: **GALN-SA6C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26083 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

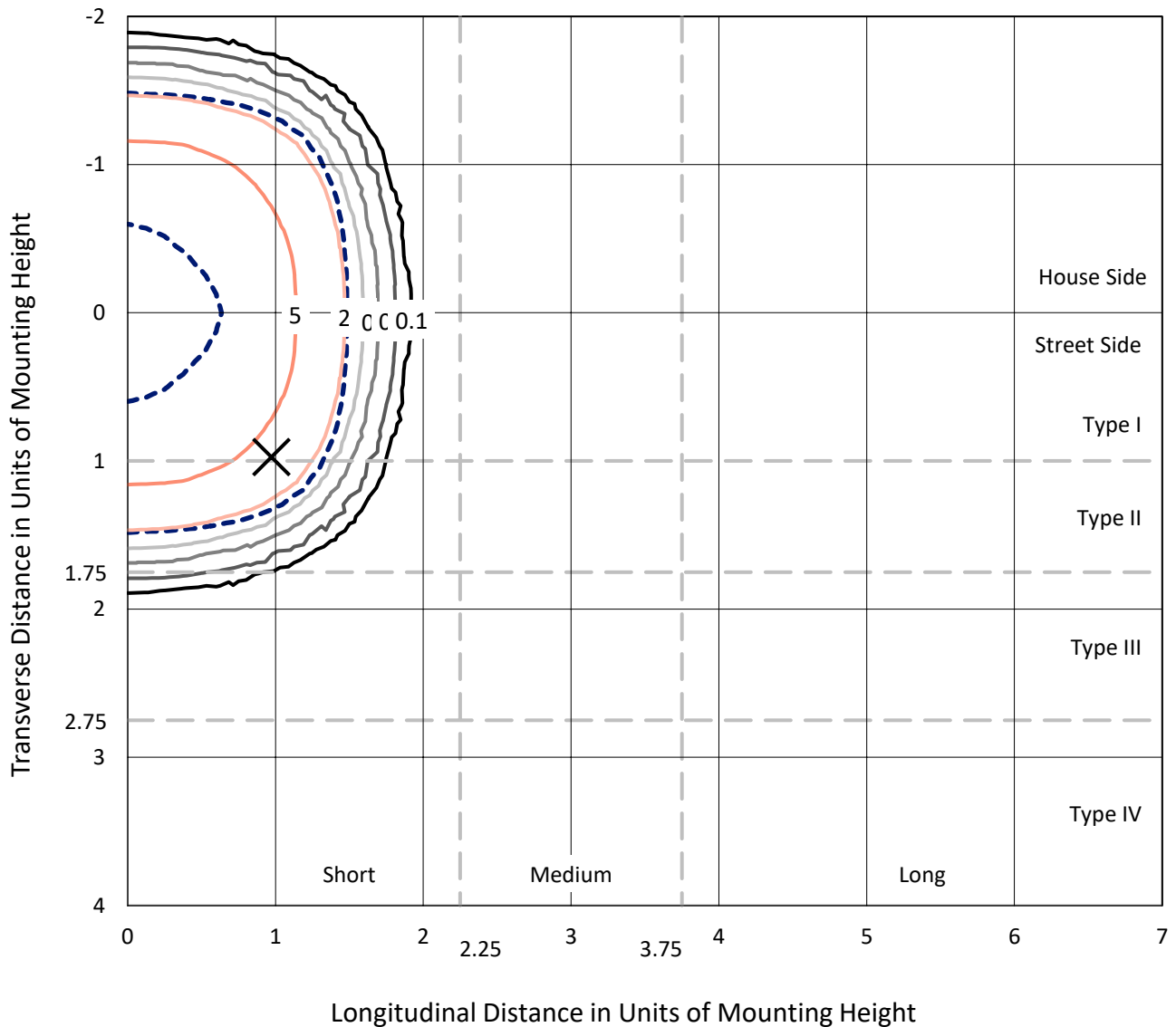
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

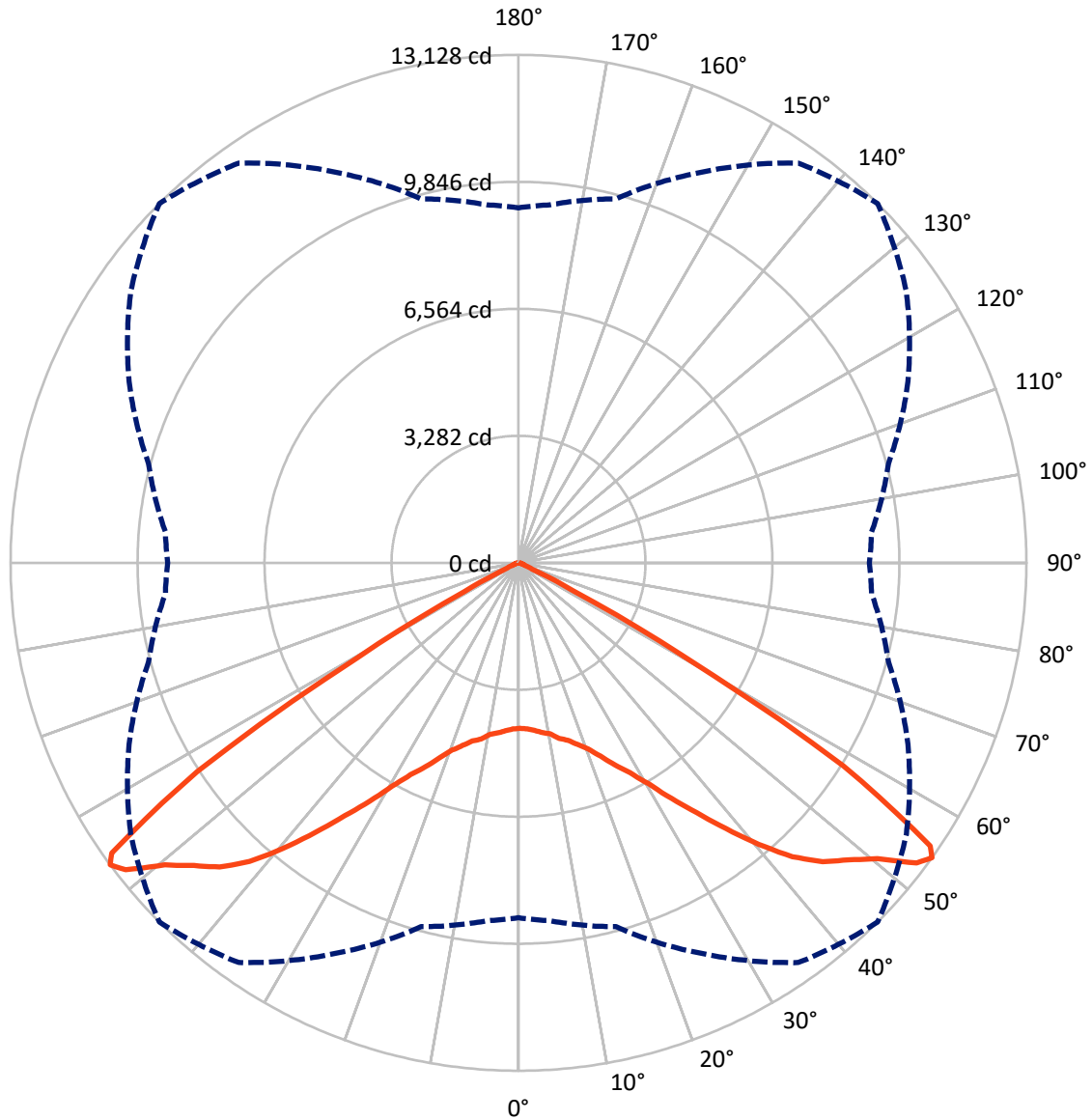
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13041.5	0.0	13041.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13041.5	0.0	13041.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26083.0	0.0	26083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.6	1.6
10°-20°	1355.6	5.2
20°-30°	2656.8	10.2
30°-40°	4777.6	18.3
40°-50°	8178.3	31.4
50°-60°	7913.3	30.3
60°-70°	677.4	2.6
70°-80°	80.3	0.3
80°-90°	25.2	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°	26083.0	100.0
0°-180°	26083.0	100.0

Coefficient of Utilization

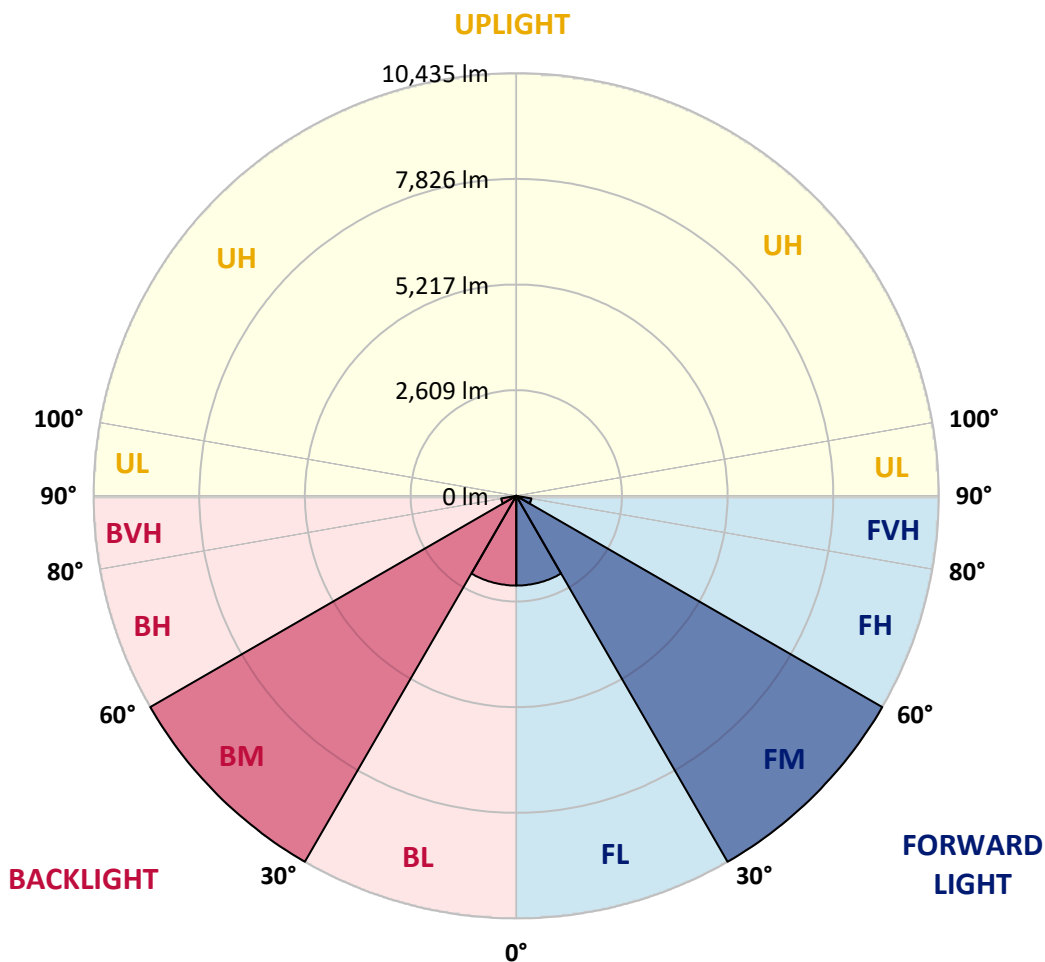


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2215.5	8.5			
FM (30°-60°)	10434.6	40.0			
FH (60°-80°)	378.8	1.5			G0/660
FVH (80°-90°)	12.6	0.0			G1/100
BL (0°-30°)	2215.5	8.5	B3/2500		
BM (30°-60°)	10434.6	40.0	B5		
BH (60°-80°)	378.8	1.5	B1/500		G0/660
BVH (80°-90°)	12.6	0.0			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°	4276.8	4276.8	4276.8	4276.8	4276.8	4276.8	4276.8	4276.8	4276.8	4276.8	4276.8
2.5°	4297.5	4322.3	4305.7	4318.1	4318.1	4297.5	4309.9	4260.3	4293.3	4268.5	4272.7
5°	4363.6	4359.4	4359.4	4363.6	4347.0	4355.3	4338.8	4322.3	4309.9	4293.3	4342.9
7.5°	4446.2	4446.2	4417.3	4425.6	4417.3	4429.7	4396.6	4363.6	4351.2	4338.8	4330.5
10°	4524.7	4516.5	4504.1	4541.3	4512.3	4495.8	4479.3	4458.6	4413.2	4396.6	4380.1
12.5°	4640.4	4636.3	4619.8	4657.0	4640.4	4657.0	4595.0	4541.3	4533.0	4479.3	4508.2
15°	4776.8	4814.0	4785.1	4785.1	4776.8	4756.1	4731.3	4706.5	4632.2	4611.5	4615.6
17.5°	4954.5	4942.1	4946.2	4946.2	4987.5	4933.8	4884.2	4822.2	4785.1	4772.7	4731.3
20°	5123.9	5140.4	5136.3	5165.2	5190.0	5132.2	5078.4	5070.2	4966.9	4983.4	4925.6
22.5°	5421.4	5409.0	5429.7	5450.3	5433.8	5425.5	5376.0	5314.0	5223.1	5181.7	5173.5
25°	5735.5	5714.8	5677.6	5727.2	5752.0	5789.2	5694.1	5661.1	5520.6	5458.6	5462.7
27.5°	6004.0	6033.0	6074.3	6095.0	6156.9	6144.5	6078.4	5971.0	5863.6	5793.3	5747.9
30°	6371.8	6388.3	6458.6	6487.5	6594.9	6623.9	6520.6	6396.6	6206.5	6115.6	6061.9
32.5°	6710.6	6826.4	6822.2	6966.8	7140.4	7260.2	7074.3	6884.2	6694.1	6586.7	6491.6
35°	7260.2	7239.6	7359.4	7512.3	7793.3	7929.6	7727.2	7508.2	7218.9	7045.4	6971.0
37.5°	7772.6	7780.9	7942.0	8185.8	8508.1	8718.9	8541.2	8181.7	7884.2	7661.0	7557.7
40°	8516.4	8532.9	8698.2	8975.1	9338.7	9566.0	9359.4	8995.7	8599.1	8425.5	8425.5
42.5°	9388.3	9458.5	9566.0	9805.6	10132.1	10384.2	10198.2	9913.1	9512.3	9289.1	9322.2
45°	10285.0	10318.0	10388.3	10743.7	10896.5	11020.5	10847.0	10714.7	10446.1	10173.4	10128.0
47.5°	11123.8	11136.2	11342.8	11454.4	11574.2	11470.9	11582.5	11408.9	11107.3	10842.8	10789.1
50°	11495.7	11475.0	11768.4	12107.3	12198.2	12016.4	11921.3	11805.6	11346.9	11028.8	10888.3
52.5°	10413.1	10532.9	11078.4	12020.5	12731.2	12884.1	12330.4	11797.4	10942.0	10322.2	10227.1
54°	9173.4	9285.0	9735.4	11132.1	12611.4	13127.9	12235.4	11103.1	9896.6	9161.0	9066.0
55°	7946.2	7822.2	8640.4	10066.0	12049.4	12913.0	11859.3	10206.5	8826.3	8152.8	8020.5
57.5°	4301.6	4322.3	5012.3	6359.4	8466.8	9900.7	8743.7	6904.9	5214.8	4458.6	4392.5
60°	1363.6	1396.7	1698.3	2570.2	4045.4	4830.5	4140.4	2772.7	1917.3	1537.2	1475.2
62.5°	425.6	442.1	483.5	719.0	1107.4	1582.6	1239.7	743.8	553.7	508.3	516.5
65°	260.3	260.3	264.5	281.0	330.6	384.3	371.9	326.4	314.0	305.8	301.6
67.5°	169.4	165.3	173.6	185.9	194.2	198.3	210.7	223.1	219.0	210.7	210.7
70°	103.3	99.2	107.4	124.0	128.1	136.4	148.8	165.3	161.2	152.9	157.0
72.5°	57.9	57.9	62.0	74.4	86.8	95.0	107.4	119.8	124.0	119.8	119.8
75°	20.7	24.8	33.1	45.5	53.7	66.1	78.5	90.9	103.3	95.0	90.9
77.5°	8.3	8.3	16.5	28.9	41.3	53.7	74.4	86.8	95.0	86.8	78.5
80°	4.1	4.1	12.4	24.8	37.2	49.6	62.0	74.4	78.5	70.2	62.0
82.5°	4.1	4.1	12.4	24.8	37.2	45.5	66.1	74.4	82.6	74.4	62.0
85°	0.0	4.1	12.4	24.8	33.1	37.2	37.2	24.8	20.7	12.4	12.4
87.5°	0.0	0.0	4.1	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)