

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: P530985

Luminaire Tested: **GALN-SA6B-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530985
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-SA6B-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 19859 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

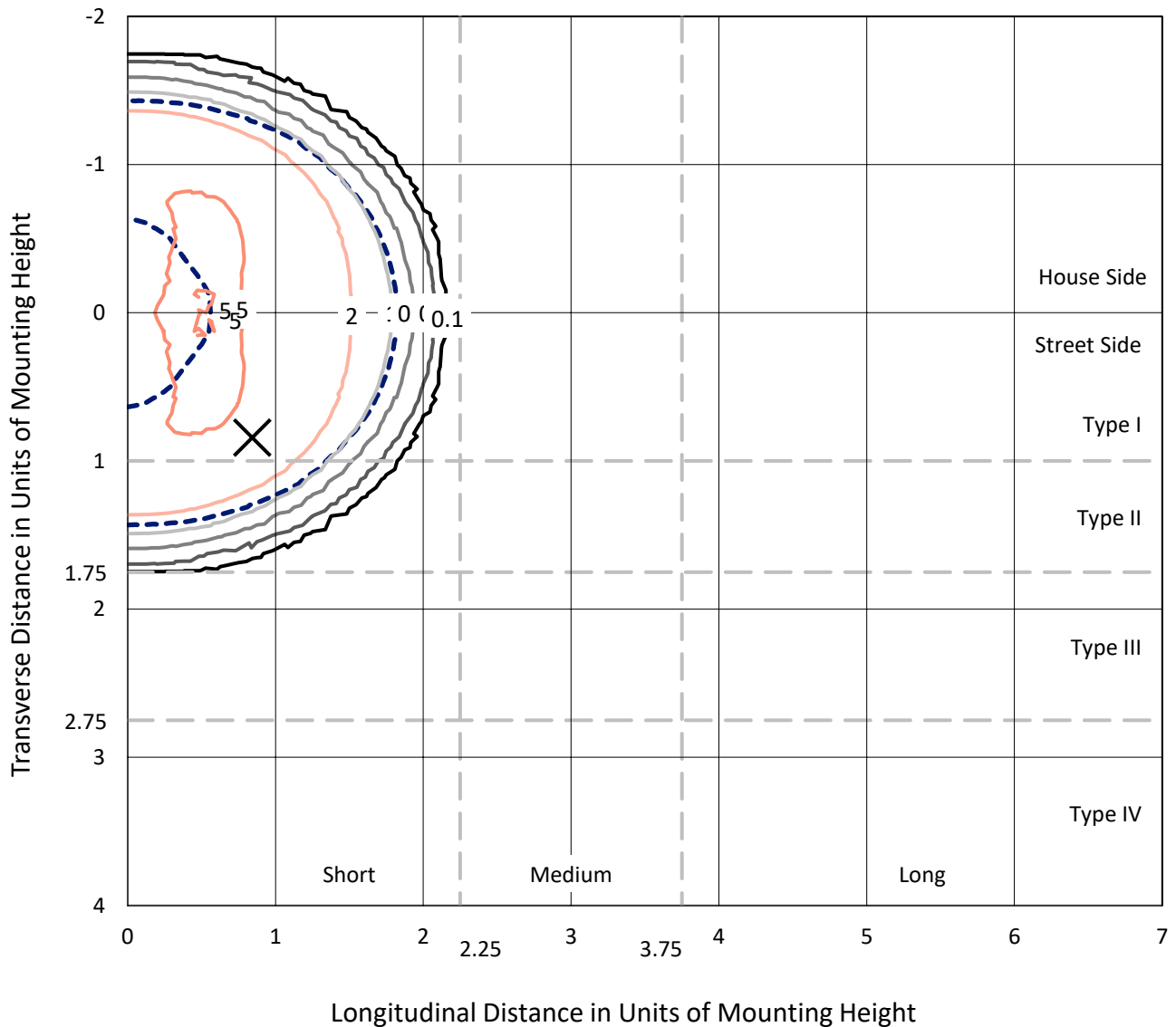
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

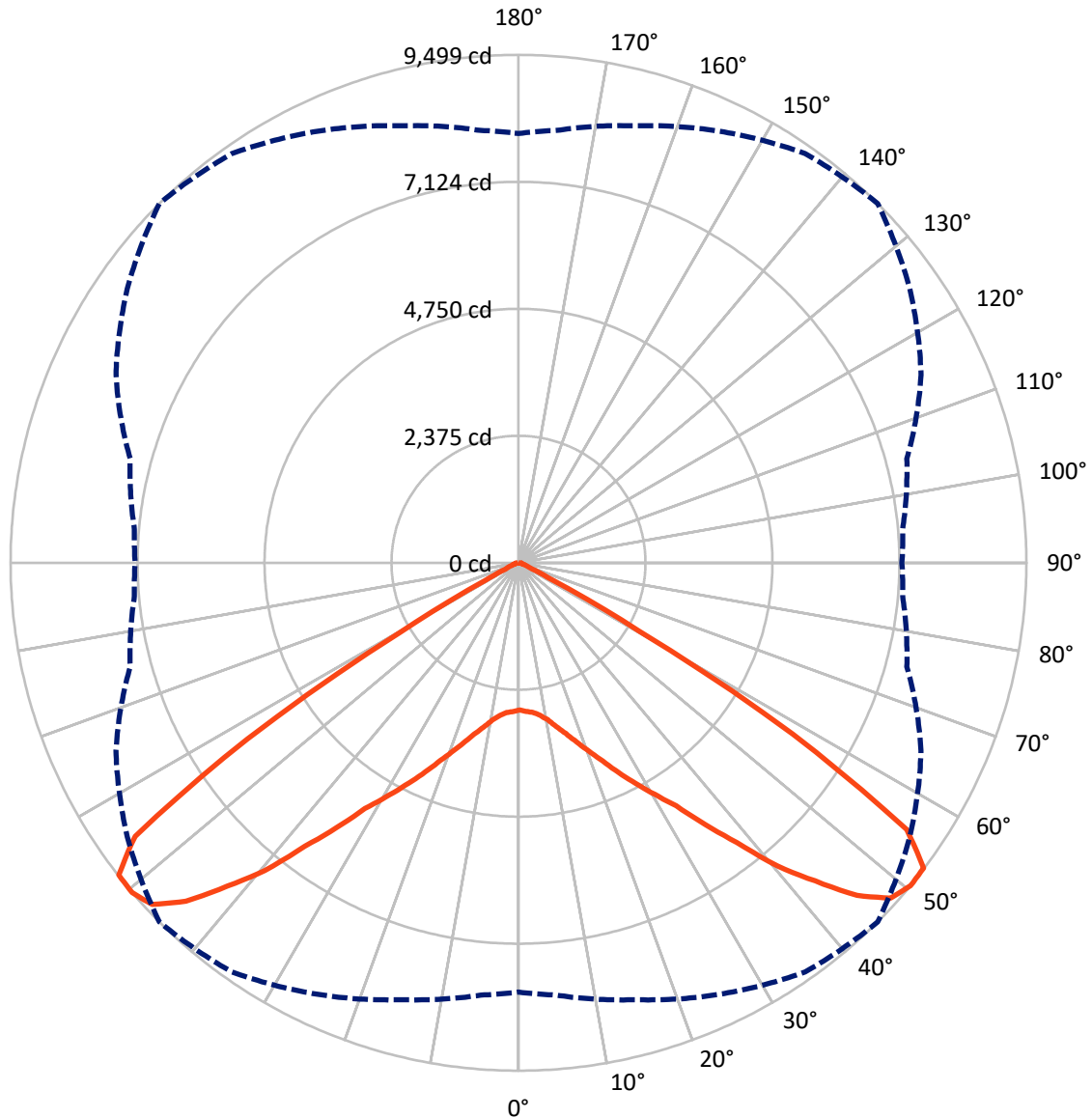
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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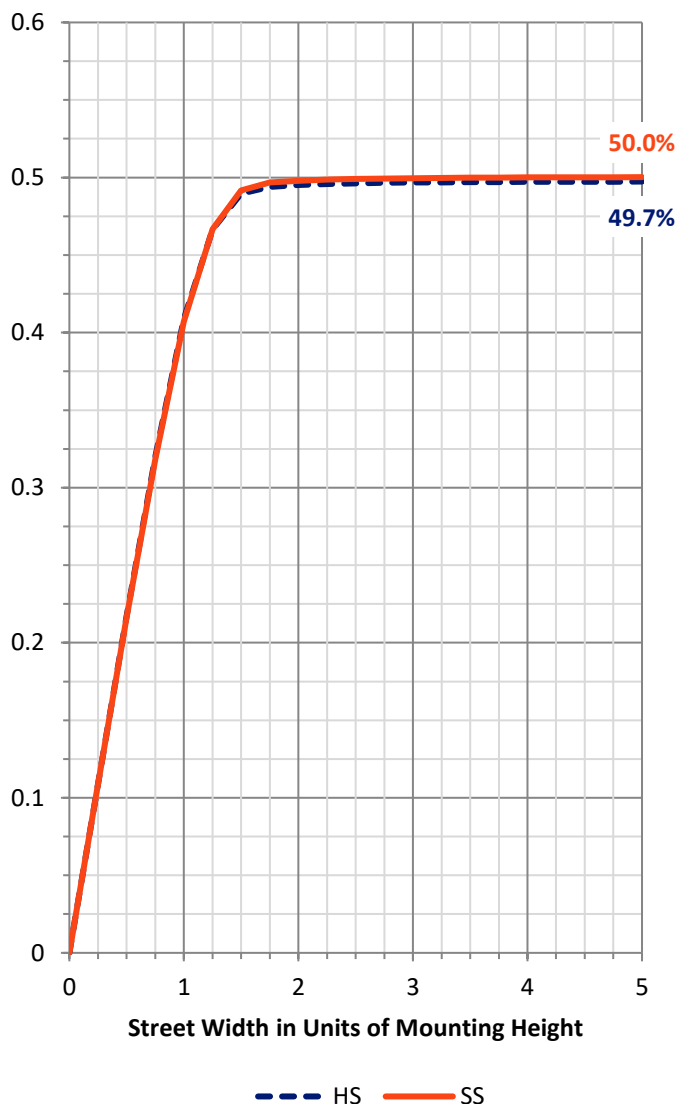
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9929.5	0.0	9929.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9929.5	0.0	9929.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19859.0	0.0	19859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	1.4
10°-20°	944.0	4.8
20°-30°	1928.1	9.7
30°-40°	3676.9	18.5
40°-50°	6196.1	31.2
50°-60°	5909.0	29.8
60°-70°	824.9	4.2
70°-80°	78.9	0.4
80°-90°	27.3	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°	19859.0	100.0
0°-180°	19859.0	100.0

Coefficient of Utilization



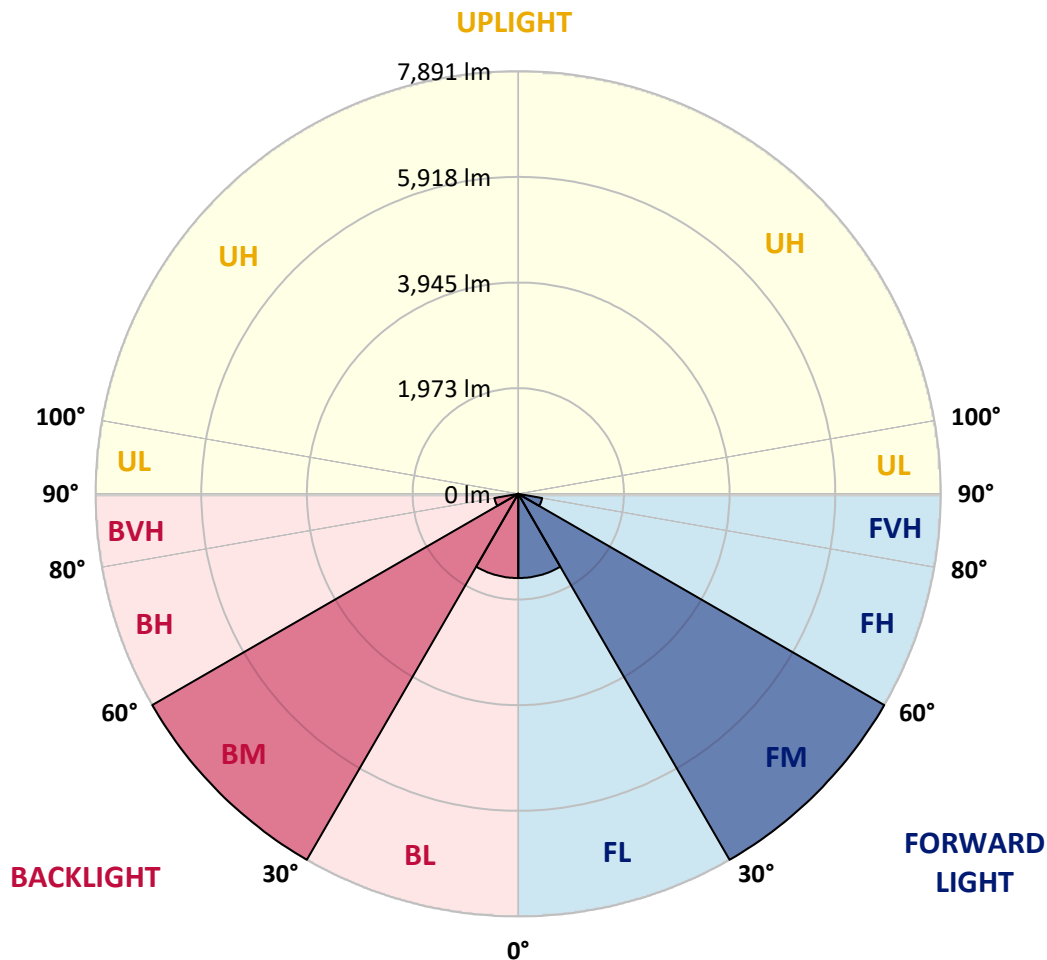
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1573.0	7.9			
FM (30°-60°)	7891.0	39.7			
FH (60°-80°)	451.9	2.3			G0/660
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	1573.0	7.9	B3/2500		
BM (30°-60°)	7891.0	39.7	B4/8500		
BH (60°-80°)	451.9	2.3	B1/500		G0/660
BVH (80°-90°)	13.6	0.1			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°	2753.2	2753.2	2753.2	2753.2	2753.2	2753.2	2753.2	2753.2	2753.2	2753.2	2753.2
2.5°	2743.2	2743.2	2739.9	2766.6	2753.2	2783.3	2780.0	2790.0	2800.0	2796.7	2823.4
5°	2719.8	2716.5	2716.5	2746.5	2776.6	2810.0	2840.1	2860.2	2893.6	2893.6	2927.0
7.5°	2743.2	2726.5	2749.9	2763.3	2820.1	2876.9	2927.0	2967.1	3043.9	3070.7	3060.6
10°	2749.9	2769.9	2786.6	2826.7	2896.9	2983.8	3027.2	3127.5	3214.3	3274.5	3287.8
12.5°	2793.3	2823.4	2870.2	2967.1	3030.6	3144.2	3204.3	3301.2	3421.5	3488.3	3535.1
15°	2876.9	2886.9	2947.0	3070.7	3207.6	3311.2	3404.8	3475.0	3591.9	3668.7	3672.1
17.5°	2983.8	3027.2	3110.8	3227.7	3371.4	3525.1	3598.6	3675.4	3718.9	3822.4	3845.8
20°	3197.6	3204.3	3284.5	3438.2	3618.6	3759.0	3812.4	3852.5	3835.8	3942.7	3962.8
22.5°	3398.1	3404.8	3505.0	3712.2	3906.0	4026.3	4049.7	4026.3	3976.1	4053.0	4059.7
25°	3601.9	3662.1	3735.6	3942.7	4183.3	4343.7	4347.0	4283.5	4180.0	4193.3	4226.7
27.5°	3919.3	3962.8	4039.6	4230.1	4494.0	4674.5	4644.4	4567.6	4433.9	4443.9	4433.9
30°	4290.2	4330.3	4393.8	4637.7	4831.5	5028.7	5072.1	4998.6	4798.1	4754.7	4804.8
32.5°	4738.0	4794.8	4911.7	5135.6	5299.3	5419.6	5449.7	5422.9	5235.8	5219.1	5252.5
35°	5282.6	5359.4	5466.4	5663.5	5797.2	6014.3	6014.3	5924.1	5753.7	5773.8	5770.4
37.5°	5857.3	5970.9	6138.0	6338.4	6518.9	6635.8	6599.1	6522.2	6351.8	6308.4	6351.8
40°	6579.0	6635.8	6846.3	7106.9	7327.5	7461.1	7304.1	7137.0	6729.4	6792.9	6909.8
42.5°	7237.3	7327.5	7487.9	7775.2	8025.8	8136.1	7949.0	7618.2	7127.0	7076.9	7163.7
45°	7798.6	7895.5	8106.0	8517.0	8780.9	8877.8	8463.5	7928.9	7367.6	7240.6	7277.4
47.5°	8172.8	8222.9	8517.0	8907.9	9148.5	9369.0	8774.3	8142.8	7481.2	7240.6	7227.2
50°	8029.1	8116.0	8460.2	8904.6	9342.3	9499.3	8931.3	8306.5	7517.9	7210.5	7170.4
52.5°	7130.3	7280.7	7664.9	8263.0	8924.6	9486.0	9148.5	8253.0	7504.6	7240.6	7300.7
55°	4961.8	4965.2	5433.0	6315.1	7484.5	8807.7	8831.1	8313.2	7591.4	7427.7	7431.1
57.5°	1994.8	2095.0	2452.5	3338.0	4417.2	6047.8	7190.5	7711.7	7601.5	7561.4	7664.9
60°	504.5	507.9	618.1	942.2	1553.7	2592.8	3765.6	5095.5	5867.3	6131.3	6168.0
62.5°	257.3	260.6	287.4	334.1	424.3	695.0	1236.3	1961.3	2790.0	3211.0	3321.3
65°	210.5	210.5	227.2	250.6	253.9	267.3	320.8	457.8	664.9	755.1	765.2
67.5°	160.4	160.4	173.7	187.1	193.8	190.5	183.8	190.5	230.5	220.5	213.8
70°	100.2	103.6	110.3	123.6	130.3	133.7	137.0	143.7	163.7	170.4	163.7
72.5°	60.1	60.1	63.5	73.5	83.5	90.2	100.2	106.9	116.9	133.7	130.3
75°	26.7	26.7	33.4	43.4	53.5	63.5	73.5	83.5	90.2	100.2	103.6
77.5°	6.7	10.0	16.7	30.1	40.1	53.5	66.8	76.8	83.5	83.5	80.2
80°	3.3	3.3	13.4	23.4	43.4	56.8	73.5	80.2	90.2	83.5	73.5
82.5°	3.3	3.3	13.4	23.4	40.1	56.8	76.8	86.9	93.6	83.5	70.2
85°	0.0	3.3	10.0	20.0	33.4	40.1	33.4	23.4	13.4	13.4	10.0
87.5°	0.0	0.0	3.3	3.3	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)