

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: P531219

Luminaire Tested: **GALN-SA6C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531219
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-SA6C-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 24536 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

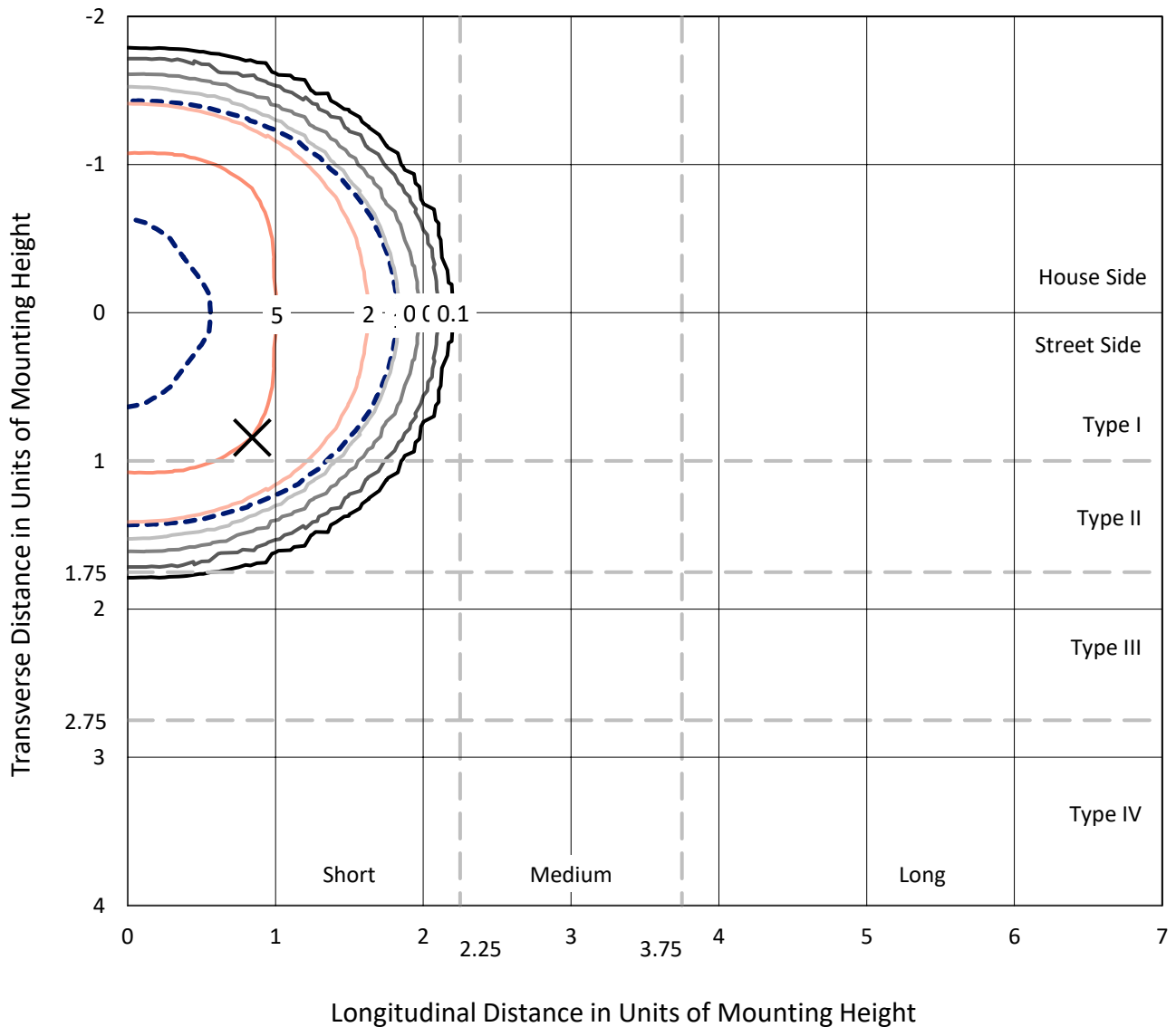
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

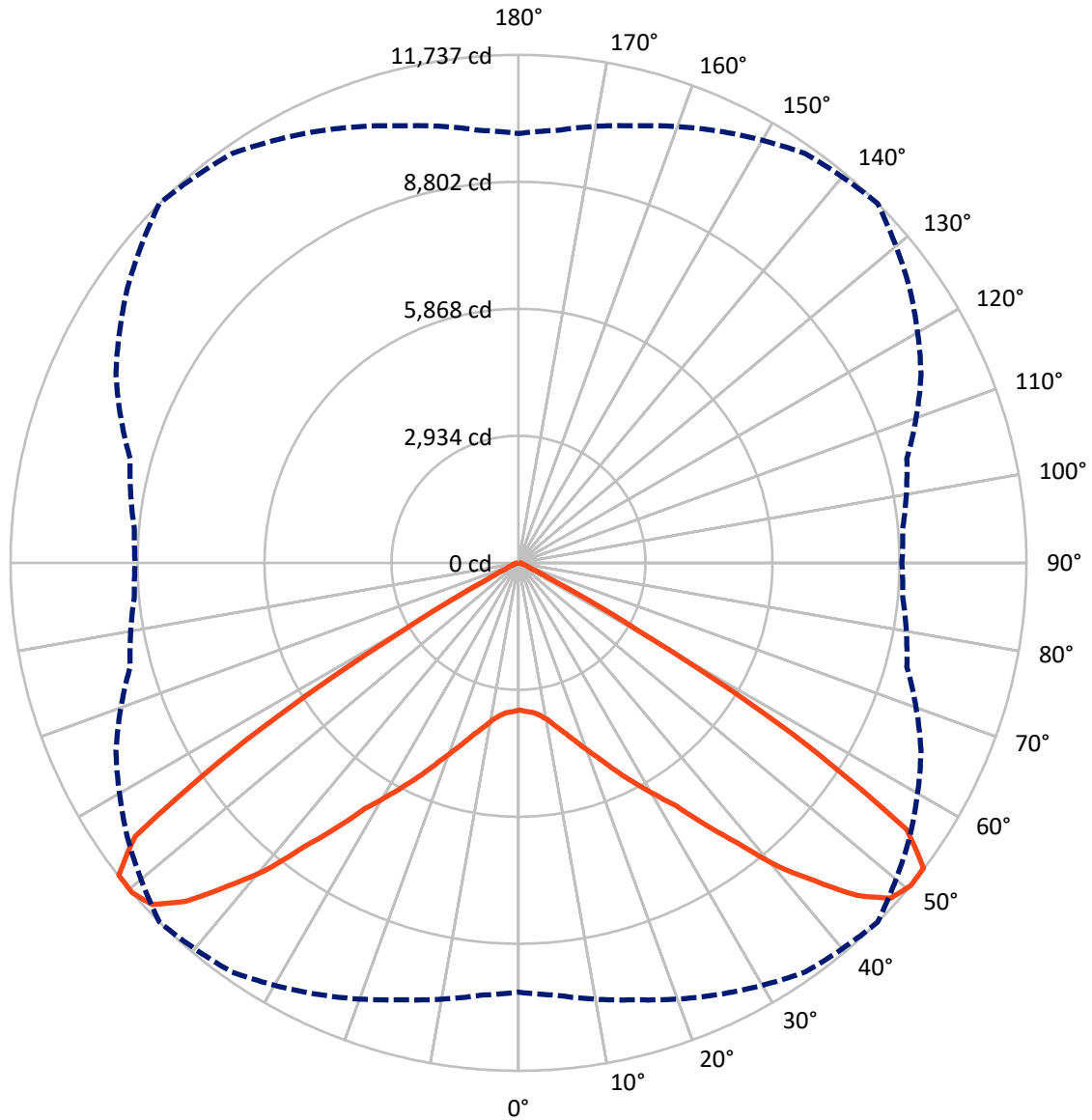
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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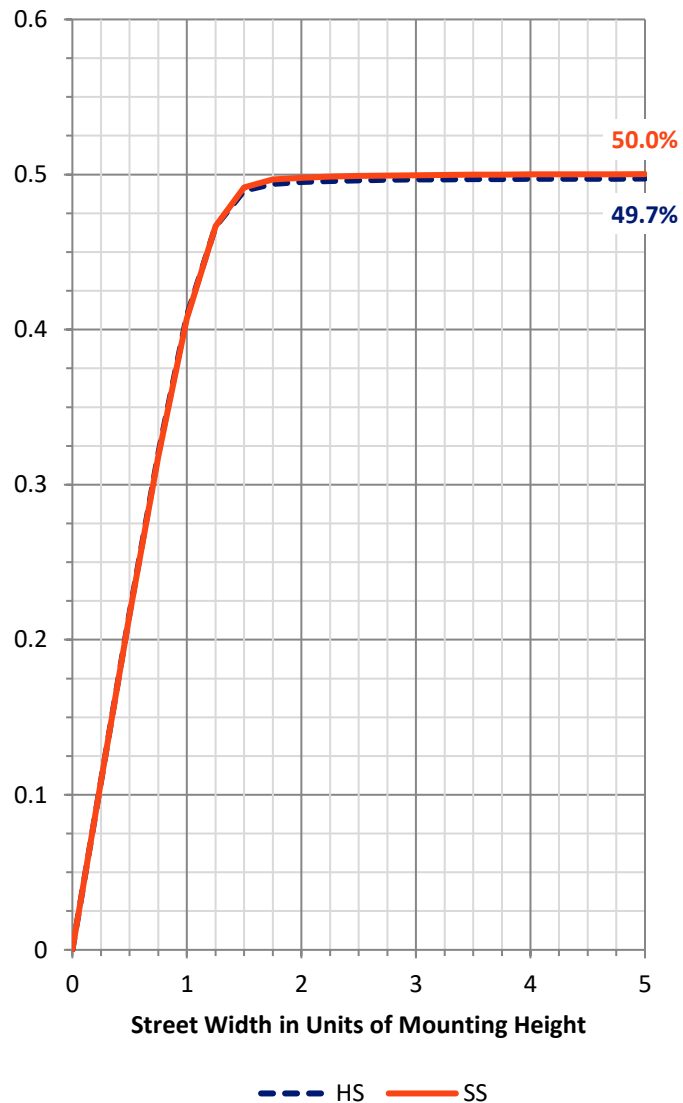
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12268.0	0.0	12268.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12268.0	0.0	12268.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24536.0	0.0	24536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.4	1.4
10°-20°	1166.4	4.8
20°-30°	2382.2	9.7
30°-40°	4542.8	18.5
40°-50°	7655.3	31.2
50°-60°	7300.7	29.8
60°-70°	1019.1	4.2
70°-80°	97.5	0.4
80°-90°	33.7	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°	24536.0	100.0
0°-180°	24536.0	100.0

Coefficient of Utilization

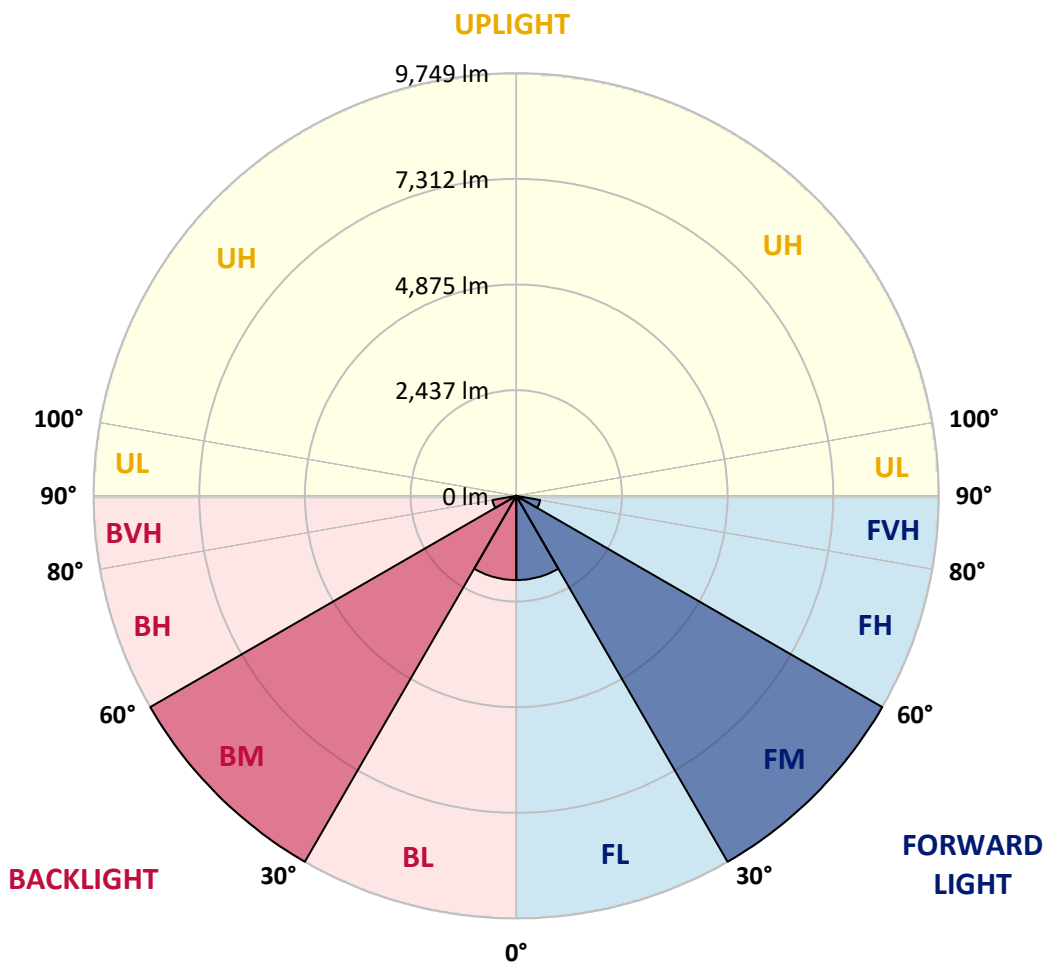


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1943.5	7.9			
FM (30°-60°)	9749.4	39.7			
FH (60°-80°)	558.3	2.3			G0/660
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	1943.5	7.9	B3/2500		
BM (30°-60°)	9749.4	39.7	B5		
BH (60°-80°)	558.3	2.3	B2/1000		G0/660
BVH (80°-90°)	16.8	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°	3401.6	3401.6	3401.6	3401.6	3401.6	3401.6	3401.6	3401.6	3401.6	3401.6	3401.6
2.5°	3389.3	3389.3	3385.1	3418.2	3401.6	3438.8	3434.7	3447.1	3459.4	3455.3	3488.3
5°	3360.4	3356.2	3356.2	3393.4	3430.5	3471.8	3509.0	3533.7	3575.0	3575.0	3616.3
7.5°	3389.3	3368.6	3397.5	3414.0	3484.2	3554.4	3616.3	3665.9	3760.8	3793.8	3781.4
10°	3397.5	3422.3	3442.9	3492.5	3579.2	3686.5	3740.2	3864.0	3971.3	4045.6	4062.2
12.5°	3451.2	3488.3	3546.1	3665.9	3744.3	3884.6	3959.0	4078.7	4227.3	4309.9	4367.6
15°	3554.4	3566.8	3641.1	3793.8	3963.1	4091.1	4206.6	4293.3	4437.8	4532.8	4536.9
17.5°	3686.5	3740.2	3843.4	3987.9	4165.4	4355.3	4446.1	4541.0	4594.7	4722.7	4751.6
20°	3950.7	3959.0	4058.0	4247.9	4470.9	4644.2	4710.3	4759.8	4739.2	4871.3	4896.1
22.5°	4198.4	4206.6	4330.5	4586.4	4825.9	4974.5	5003.4	4974.5	4912.6	5007.5	5015.8
25°	4450.2	4524.5	4615.3	4871.3	5168.5	5366.7	5370.8	5292.4	5164.4	5180.9	5222.2
27.5°	4842.4	4896.1	4991.0	5226.3	5552.4	5775.4	5738.2	5643.3	5478.1	5490.5	5478.1
30°	5300.6	5350.2	5428.6	5730.0	5969.4	6213.0	6266.6	6175.8	5928.1	5874.4	5936.4
32.5°	5853.8	5924.0	6068.5	6345.1	6547.3	6696.0	6733.1	6700.1	6468.9	6448.3	6489.5
35°	6526.7	6621.7	6753.8	6997.3	7162.4	7430.8	7430.8	7319.3	7108.8	7133.5	7129.4
37.5°	7236.8	7377.1	7583.5	7831.2	8054.1	8198.6	8153.2	8058.3	7847.7	7794.1	7847.7
40°	8128.4	8198.6	8458.7	8780.7	9053.2	9218.3	9024.3	8817.9	8314.2	8392.7	8537.1
42.5°	8941.7	9053.2	9251.3	9606.3	9916.0	10052.2	9821.0	9412.3	8805.5	8743.6	8850.9
45°	9635.2	9755.0	10015.0	10522.8	10848.9	10968.7	10456.8	9796.2	9102.7	8945.8	8991.2
47.5°	10097.6	10159.5	10522.8	11005.8	11303.0	11575.5	10840.7	10060.5	9243.1	8945.8	8929.3
50°	9920.1	10027.4	10452.6	11001.7	11542.5	11736.5	11034.7	10262.7	9288.5	8908.7	8859.1
52.5°	8809.6	8995.4	9470.1	10209.1	11026.5	11720.0	11303.0	10196.7	9272.0	8945.8	9020.1
55°	6130.4	6134.5	6712.5	7802.3	9247.2	10882.0	10910.9	10271.0	9379.3	9177.0	9181.1
57.5°	2464.5	2588.4	3030.1	4124.1	5457.5	7472.1	8883.9	9527.9	9391.7	9342.1	9470.1
60°	623.4	627.5	763.7	1164.2	1919.6	3203.5	4652.5	6295.5	7249.1	7575.3	7620.7
62.5°	317.9	322.0	355.0	412.8	524.3	858.7	1527.4	2423.3	3447.1	3967.2	4103.4
65°	260.1	260.1	280.7	309.6	313.7	330.3	396.3	565.6	821.5	933.0	945.4
67.5°	198.2	198.2	214.7	231.2	239.4	235.3	227.1	235.3	284.8	272.5	264.2
70°	123.8	128.0	136.2	152.7	161.0	165.1	169.3	177.5	202.3	210.5	202.3
72.5°	74.3	74.3	78.4	90.8	103.2	111.5	123.8	132.1	144.5	165.1	161.0
75°	33.0	33.0	41.3	53.7	66.1	78.4	90.8	103.2	111.5	123.8	128.0
77.5°	8.3	12.4	20.6	37.2	49.5	66.1	82.6	94.9	103.2	103.2	99.1
80°	4.1	4.1	16.5	28.9	53.7	70.2	90.8	99.1	111.5	103.2	90.8
82.5°	4.1	4.1	16.5	28.9	49.5	70.2	94.9	107.3	115.6	103.2	86.7
85°	0.0	4.1	12.4	24.8	41.3	49.5	41.3	28.9	16.5	16.5	12.4
87.5°	0.0	0.0	4.1	4.1	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)