

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: P531453

Luminaire Tested: **GALN-SA6D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531453  
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-SA6D-730-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA 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: 26998 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

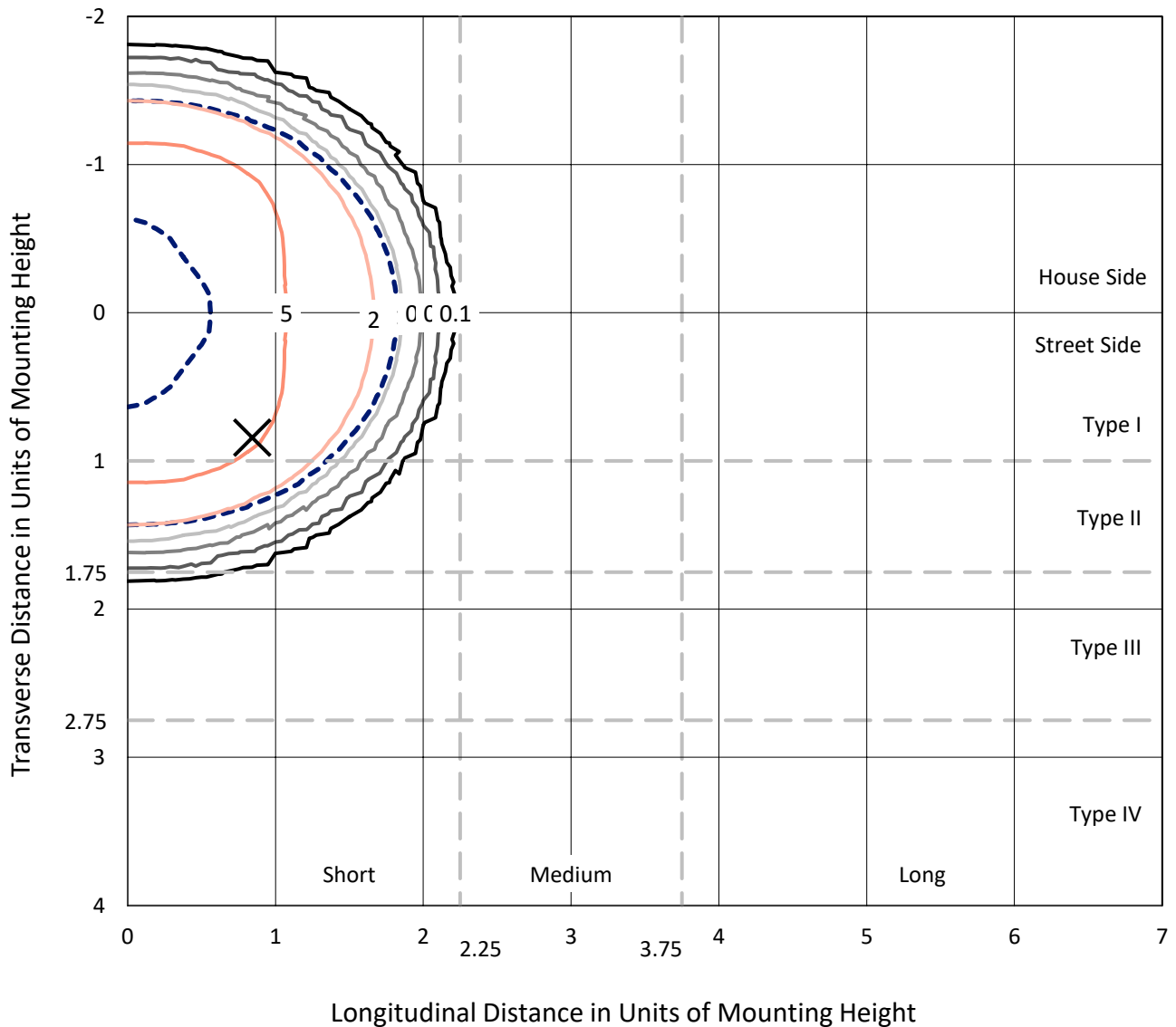
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

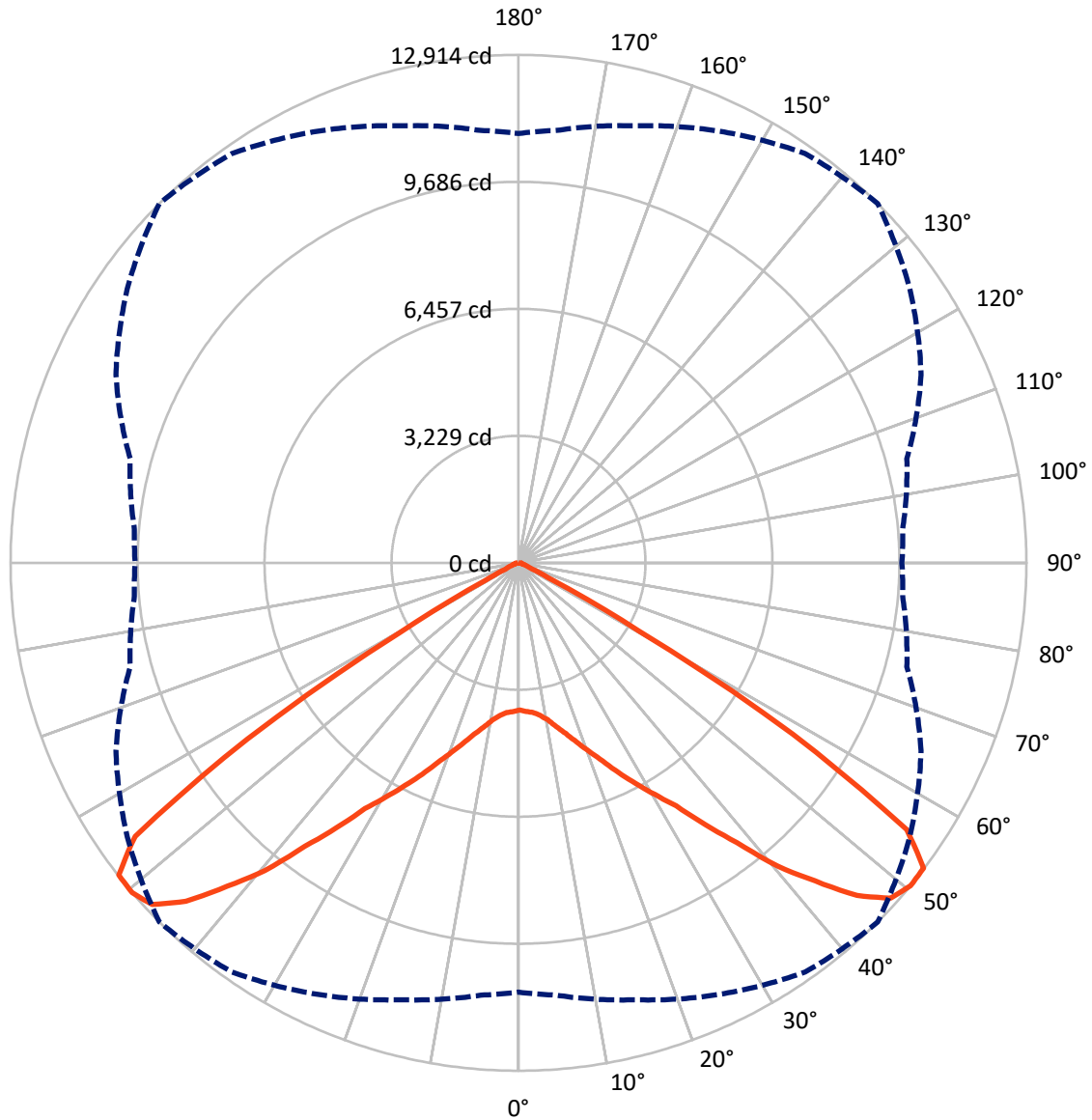
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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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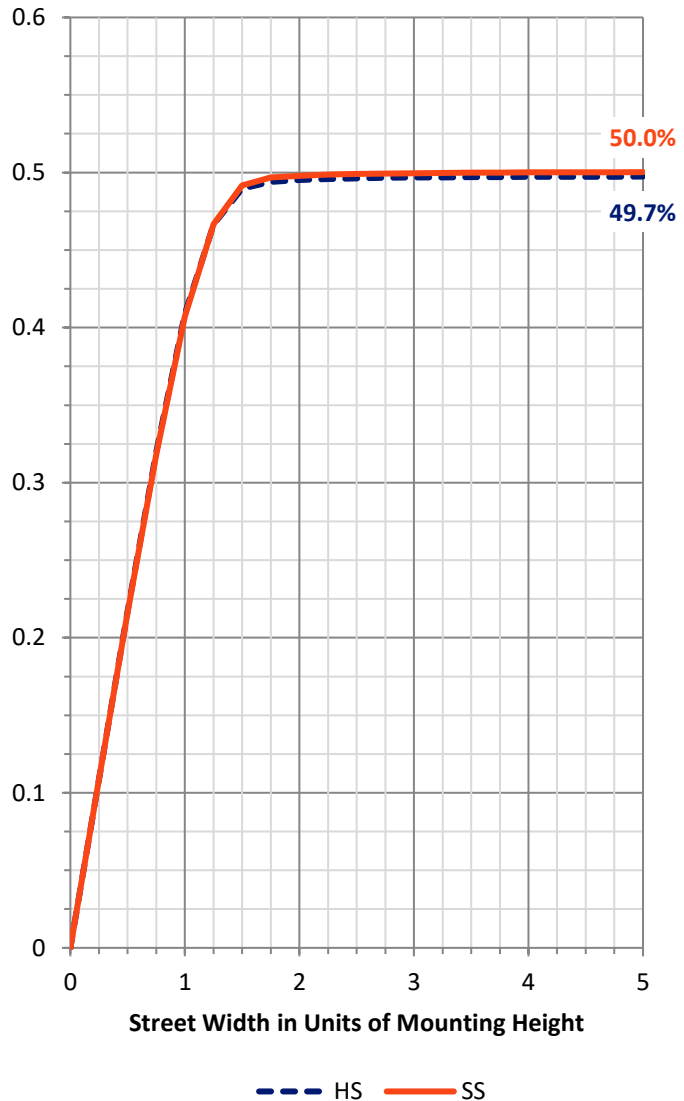
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13499.0	0.0	13499.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13499.0	0.0	13499.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26998.0	0.0	26998.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.4	1.4
10°-20°	1283.4	4.8
20°-30°	2621.2	9.7
30°-40°	4998.6	18.5
40°-50°	8423.4	31.2
50°-60°	8033.2	29.8
60°-70°	1121.4	4.2
70°-80°	107.2	0.4
80°-90°	37.1	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°	26998.0	100.0
0°-180°	26998.0	100.0

**Coefficient of Utilization**



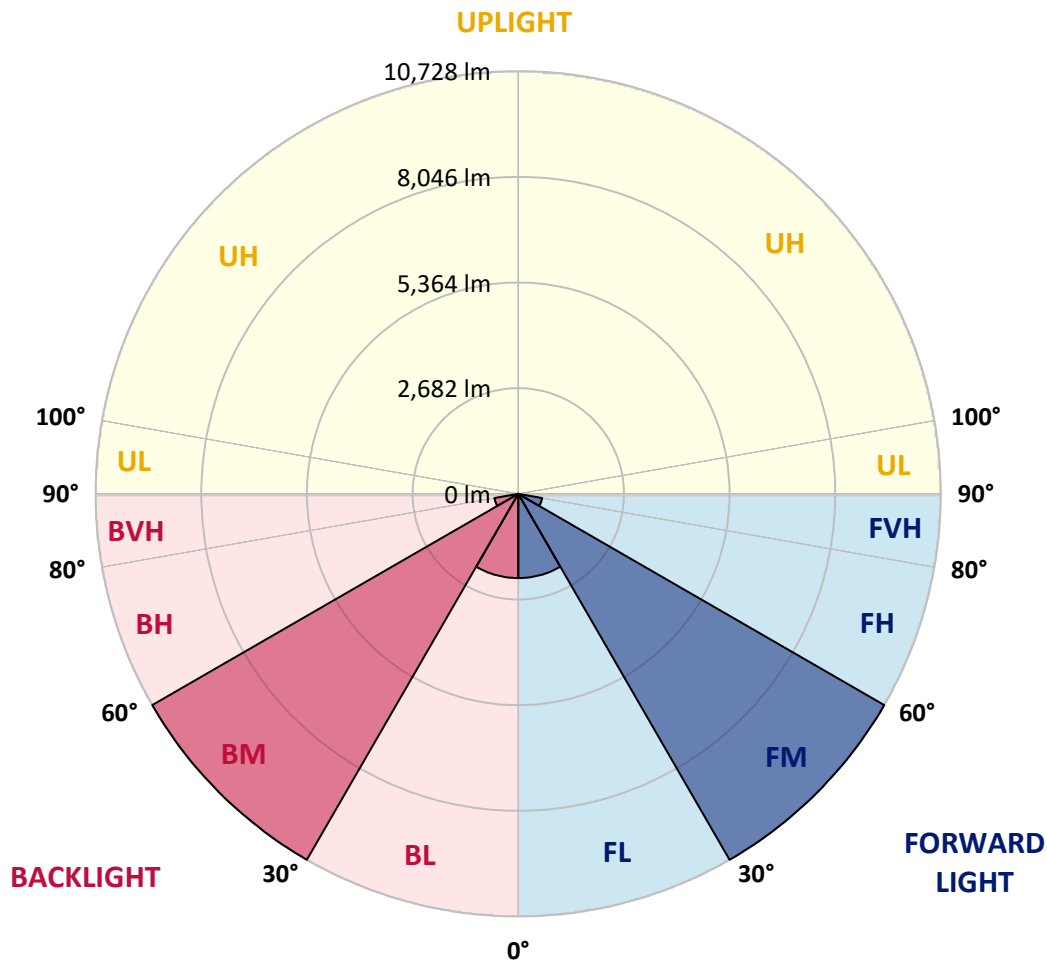
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2138.5	7.9			
FM (30°-60°)	10727.7	39.7			
FH (60°-80°)	614.3	2.3			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	2138.5	7.9	B3/2500		
BM (30°-60°)	10727.7	39.7	B5		
BH (60°-80°)	614.3	2.3	B2/1000		G0/660
BVH (80°-90°)	18.5	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°	3743.0	3743.0	3743.0	3743.0	3743.0	3743.0	3743.0	3743.0	3743.0	3743.0	3743.0
2.5°	3729.3	3729.3	3724.8	3761.1	3743.0	3783.9	3779.3	3792.9	3806.6	3802.0	3838.4
5°	3697.6	3693.0	3693.0	3733.9	3774.8	3820.2	3861.1	3888.3	3933.8	3933.8	3979.2
7.5°	3729.3	3706.6	3738.4	3756.6	3833.8	3911.0	3979.2	4033.7	4138.2	4174.5	4160.9
10°	3738.4	3765.7	3788.4	3842.9	3938.3	4056.4	4115.5	4251.7	4369.8	4451.6	4469.8
12.5°	3797.5	3838.4	3902.0	4033.7	4120.0	4274.4	4356.2	4487.9	4651.5	4742.3	4805.9
15°	3911.0	3924.7	4006.4	4174.5	4360.7	4501.6	4628.8	4724.1	4883.1	4987.6	4992.1
17.5°	4056.4	4115.5	4229.0	4388.0	4583.3	4792.3	4892.2	4996.7	5055.7	5196.6	5228.4
20°	4347.1	4356.2	4465.2	4674.2	4919.5	5110.3	5182.9	5237.4	5214.7	5360.1	5387.3
22.5°	4619.7	4628.8	4765.0	5046.7	5310.1	5473.6	5505.4	5473.6	5405.5	5510.0	5519.1
25°	4896.8	4978.5	5078.5	5360.1	5687.1	5905.2	5909.7	5823.4	5682.6	5700.8	5746.2
27.5°	5328.3	5387.3	5491.8	5750.7	6109.6	6354.9	6314.0	6209.5	6027.8	6041.5	6027.8
30°	5832.5	5887.0	5973.3	6304.9	6568.4	6836.4	6895.4	6795.5	6523.0	6463.9	6532.0
32.5°	6441.2	6518.4	6677.4	6981.7	7204.3	7367.8	7408.7	7372.4	7118.0	7095.3	7140.7
35°	7181.6	7286.1	7431.4	7699.4	7881.1	8176.4	8176.4	8053.8	7822.1	7849.3	7844.8
37.5°	7962.9	8117.4	8344.5	8617.0	8862.3	9021.3	8971.3	8866.9	8635.2	8576.1	8635.2
40°	8944.1	9021.3	9307.5	9661.8	9961.6	10143.3	9929.8	9702.7	9148.5	9234.8	9393.8
42.5°	9838.9	9961.6	10179.6	10570.3	10911.0	11060.9	10806.5	10356.8	9689.0	9620.9	9739.0
45°	10602.1	10733.8	11020.0	11578.7	11937.5	12069.3	11506.0	10779.2	10016.1	9843.5	9893.4
47.5°	11110.8	11179.0	11578.7	12110.2	12437.2	12737.0	11928.5	11069.9	10170.5	9843.5	9825.3
50°	10915.5	11033.6	11501.5	12105.6	12700.7	12914.2	12142.0	11292.5	10220.5	9802.6	9748.1
52.5°	9693.6	9898.0	10420.4	11233.5	12132.9	12896.0	12437.2	11219.8	10202.3	9843.5	9925.2
55°	6745.5	6750.1	7386.0	8585.2	10175.1	11973.9	12005.7	11301.6	10320.4	10097.9	10102.4
57.5°	2711.8	2848.1	3334.2	4537.9	6005.1	8221.8	9775.3	10484.0	10334.1	10279.6	10420.4
60°	685.9	690.5	840.4	1281.0	2112.2	3524.9	5119.3	6927.2	7976.5	8335.4	8385.4
62.5°	349.8	354.3	390.7	454.2	576.9	944.8	1680.7	2666.4	3792.9	4365.3	4515.2
65°	286.2	286.2	308.9	340.7	345.2	363.4	436.1	622.3	903.9	1026.6	1040.2
67.5°	218.0	218.0	236.2	254.4	263.5	258.9	249.8	258.9	313.4	299.8	290.7
70°	136.3	140.8	149.9	168.1	177.2	181.7	186.2	195.3	222.6	231.7	222.6
72.5°	81.8	81.8	86.3	99.9	113.6	122.6	136.3	145.4	159.0	181.7	177.2
75°	36.3	36.3	45.4	59.1	72.7	86.3	99.9	113.6	122.6	136.3	140.8
77.5°	9.1	13.6	22.7	40.9	54.5	72.7	90.8	104.5	113.6	113.6	109.0
80°	4.5	4.5	18.2	31.8	59.1	77.2	99.9	109.0	122.6	113.6	99.9
82.5°	4.5	4.5	18.2	31.8	54.5	77.2	104.5	118.1	127.2	113.6	95.4
85°	0.0	4.5	13.6	27.3	45.4	54.5	45.4	31.8	18.2	18.2	13.6
87.5°	0.0	0.0	4.5	4.5	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)