

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: P530981

Luminaire Tested: **GALN-SA6B-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
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-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16029 lumens  
Efficiency: N/A  
Efficacy: 66.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

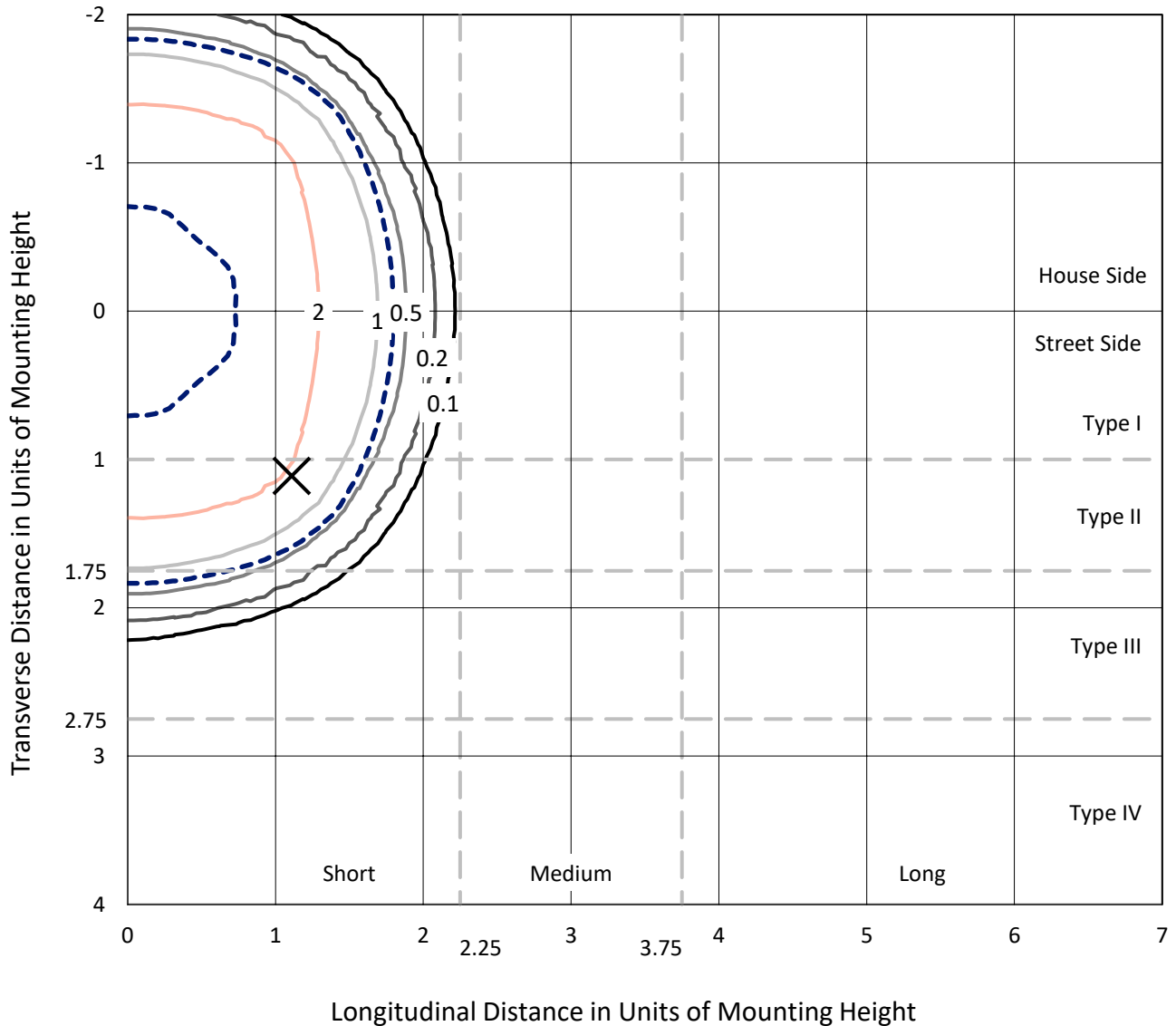
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

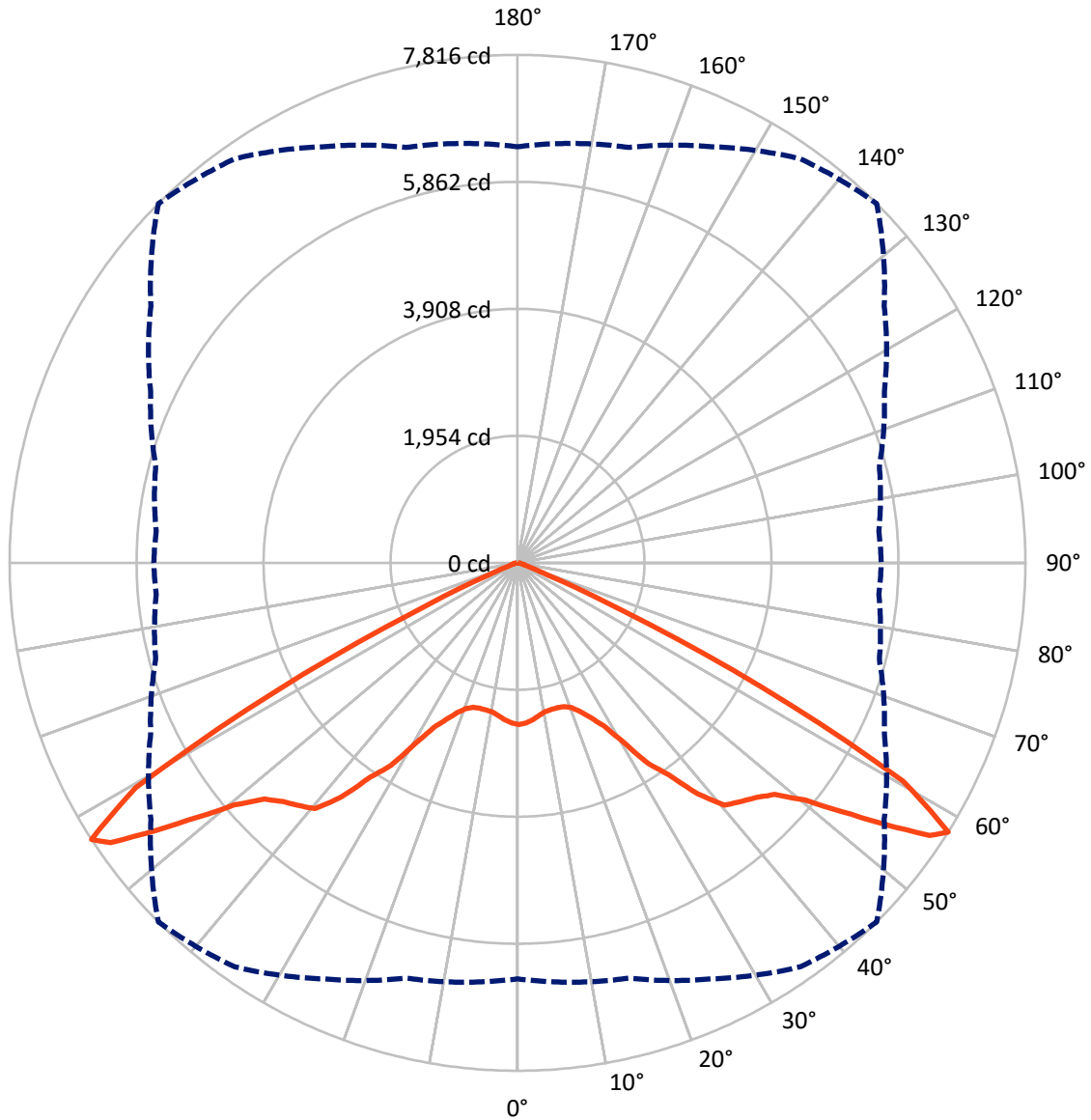
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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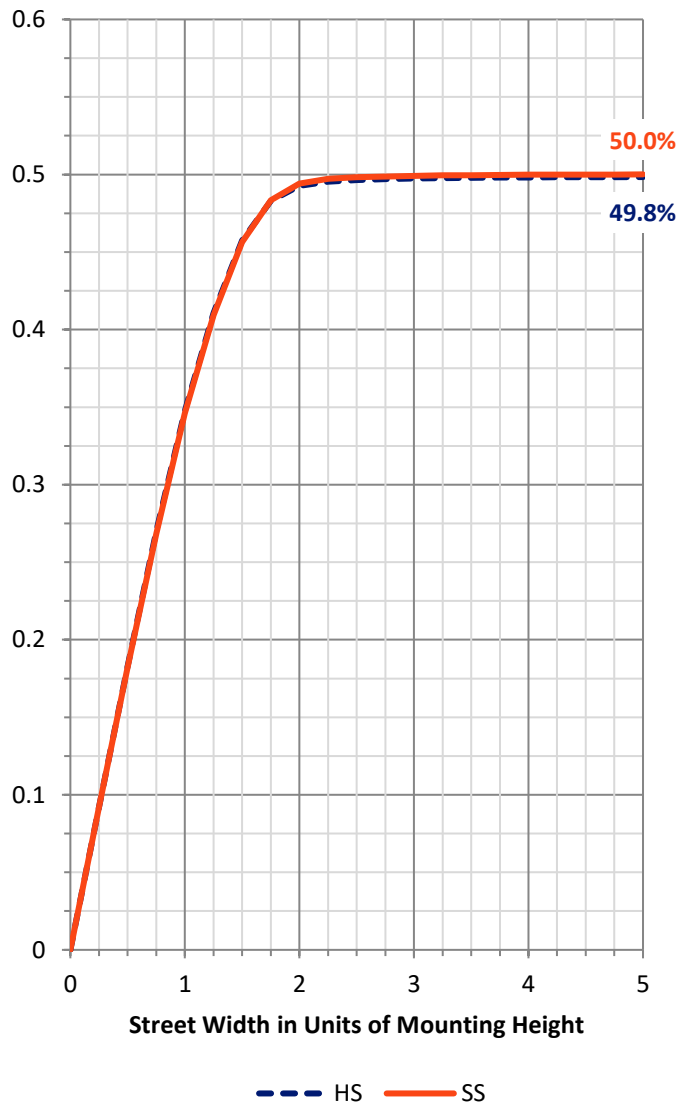
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8014.5	0.0	8014.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8014.5	0.0	8014.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16029.0	0.0	16029.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.5	1.4
10°-20°	660.4	4.1
20°-30°	1219.0	7.6
30°-40°	2397.3	15.0
40°-50°	3904.6	24.4
50°-60°	5568.4	34.7
60°-70°	1927.9	12.0
70°-80°	103.4	0.6
80°-90°	19.4	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°	16029.0	100.0
0°-180°	16029.0	100.0

**Coefficient of Utilization**



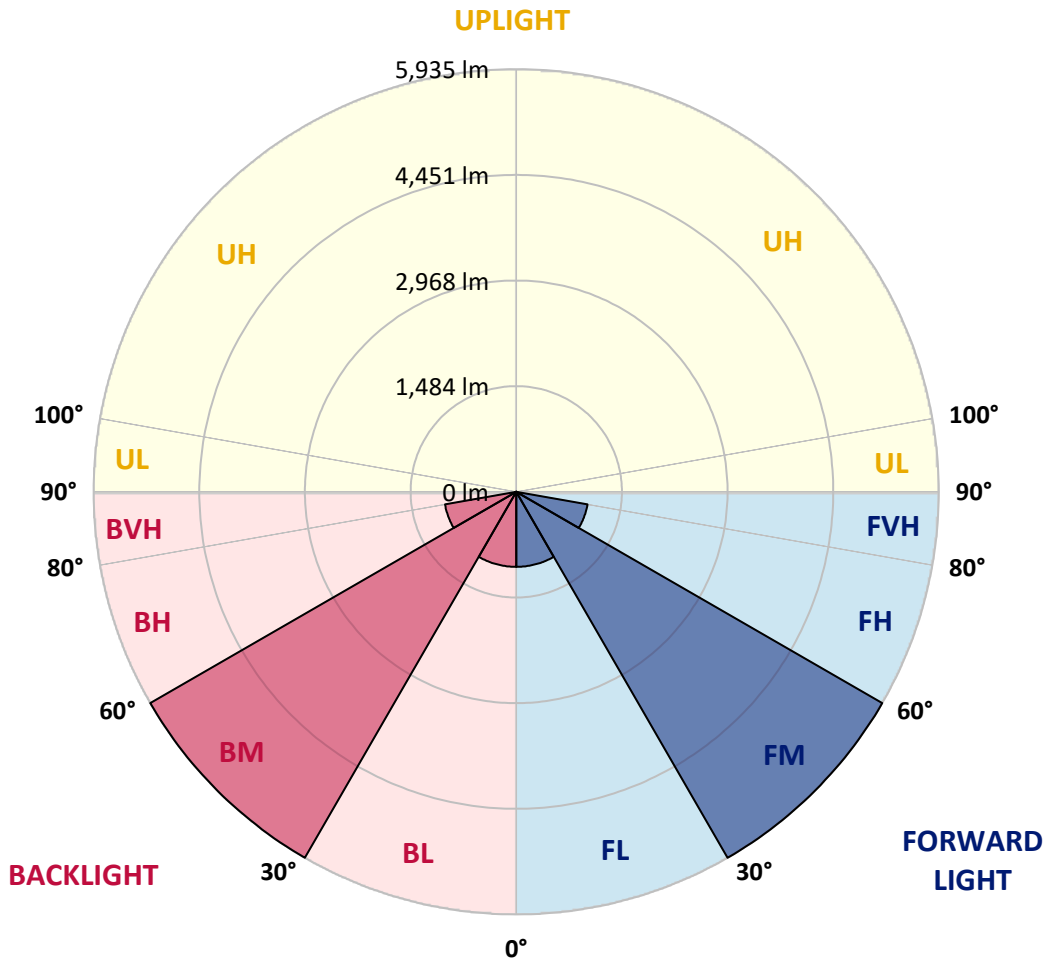
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.9	6.6			
FM (30°-60°)	5935.2	37.0			
FH (60°-80°)	1015.7	6.3			G1/1800
FVH (80°-90°)	9.7	0.1			G0/10
BL (0°-30°)	1053.9	6.6	B3/2500		
BM (30°-60°)	5935.2	37.0	B4/8500		
BH (60°-80°)	1015.7	6.3	B3/2500		G1/1800
BVH (80°-90°)	9.7	0.1			G0/10
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°	2486.3	2486.3	2486.3	2486.3	2486.3	2486.3	2486.3	2486.3	2486.3	2486.3	2486.3
2.5°	2479.6	2492.9	2476.2	2469.6	2466.2	2466.2	2456.2	2456.2	2452.8	2456.2	2442.8
5°	2439.5	2452.8	2452.8	2449.5	2429.5	2426.1	2416.1	2409.4	2412.7	2399.4	2409.4
7.5°	2399.4	2409.4	2396.0	2392.7	2386.0	2372.6	2369.3	2339.2	2342.6	2342.6	2349.3
10°	2392.7	2389.4	2369.3	2352.6	2332.5	2329.2	2319.2	2312.5	2312.5	2309.2	2319.2
12.5°	2392.7	2376.0	2372.6	2335.9	2302.5	2315.8	2289.1	2272.4	2295.8	2302.5	2315.8
15°	2389.4	2406.1	2349.3	2332.5	2309.2	2312.5	2289.1	2272.4	2285.8	2292.4	2302.5
17.5°	2409.4	2399.4	2382.7	2349.3	2339.2	2325.9	2295.8	2282.4	2282.4	2299.1	2302.5
20°	2462.9	2436.1	2402.7	2386.0	2396.0	2379.3	2342.6	2292.4	2305.8	2319.2	2329.2
22.5°	2513.0	2492.9	2469.6	2459.5	2516.3	2489.6	2426.1	2369.3	2349.3	2372.6	2389.4
25°	2609.9	2609.9	2566.5	2579.8	2643.3	2646.7	2573.2	2472.9	2459.5	2469.6	2476.2
27.5°	2807.1	2817.1	2780.3	2793.7	2820.4	2843.8	2780.3	2696.8	2666.7	2663.4	2673.4
30°	3020.9	3041.0	3037.7	3094.5	3171.3	3184.7	3091.1	2954.1	2863.9	2847.2	2860.5
32.5°	3301.7	3311.7	3305.0	3371.8	3579.0	3675.9	3432.0	3238.2	3117.9	3147.9	3117.9
35°	3829.7	3819.6	3746.1	3759.5	3929.9	4000.1	3766.2	3642.5	3585.7	3645.9	3632.5
37.5°	4284.1	4247.4	4187.2	4274.1	4451.2	4514.7	4270.8	4053.5	3950.0	4050.2	4093.6
40°	4668.4	4574.9	4491.3	4578.2	4815.5	4902.4	4544.8	4367.7	4327.6	4401.1	4494.7
42.5°	4992.6	4932.4	4822.2	4828.8	4985.9	5026.0	4738.6	4635.0	4594.9	4711.9	4758.7
45°	5223.2	5166.4	5062.8	5056.1	5176.4	5149.6	4892.3	4822.2	4845.5	4922.4	4945.8
47.5°	5340.1	5370.2	5310.0	5326.8	5390.3	5326.8	5122.9	5122.9	5069.4	5116.2	5092.8
50°	5677.6	5584.1	5660.9	5660.9	5727.8	5734.5	5530.6	5457.1	5313.4	5233.2	5233.2
52.5°	6072.0	6078.7	6108.7	6219.0	6332.6	6429.5	6138.8	5824.7	5584.1	5480.5	5467.1
55°	6396.1	6463.0	6583.3	6790.4	7117.9	7251.6	6750.3	6188.9	5894.9	5734.5	5701.0
56°	6573.2	6509.7	6716.9	7001.0	7428.7	7602.5	6850.6	6262.4	5938.3	5757.8	5754.5
57.5°	6402.8	6473.0	6616.7	7064.5	7589.1	7816.4	6887.4	6229.0	5764.5	5580.7	5597.4
60°	5056.1	5122.9	5316.7	5818.0	6640.1	6817.2	5828.0	5136.3	4721.9	4457.9	4461.2
62.5°	2860.5	2910.7	3061.0	3525.6	4036.8	4207.3	3632.5	3171.3	2883.9	2736.9	2690.1
65°	1052.7	1032.6	1056.0	1293.3	1607.4	1751.1	1510.5	1276.6	1126.2	1072.7	1052.7
67.5°	394.3	364.3	340.9	364.3	457.8	484.6	444.5	370.9	347.5	357.6	364.3
70°	243.9	230.6	183.8	173.8	170.4	167.1	177.1	187.1	213.9	250.6	257.3
72.5°	170.4	160.4	130.3	123.6	117.0	113.6	130.3	143.7	167.1	193.8	197.2
75°	66.8	70.2	66.8	73.5	76.9	80.2	93.6	103.6	113.6	113.6	110.3
77.5°	13.4	13.4	20.1	26.7	33.4	43.4	63.5	73.5	76.9	73.5	63.5
80°	0.0	0.0	6.7	13.4	26.7	36.8	56.8	63.5	70.2	63.5	50.1
82.5°	0.0	0.0	6.7	16.7	26.7	33.4	53.5	66.8	76.9	70.2	53.5
85°	0.0	0.0	6.7	13.4	20.1	23.4	23.4	16.7	16.7	10.0	6.7
87.5°	0.0	0.0	0.0	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)