

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: P526063

Luminaire Tested: **GALN-SA1A-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2529 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0

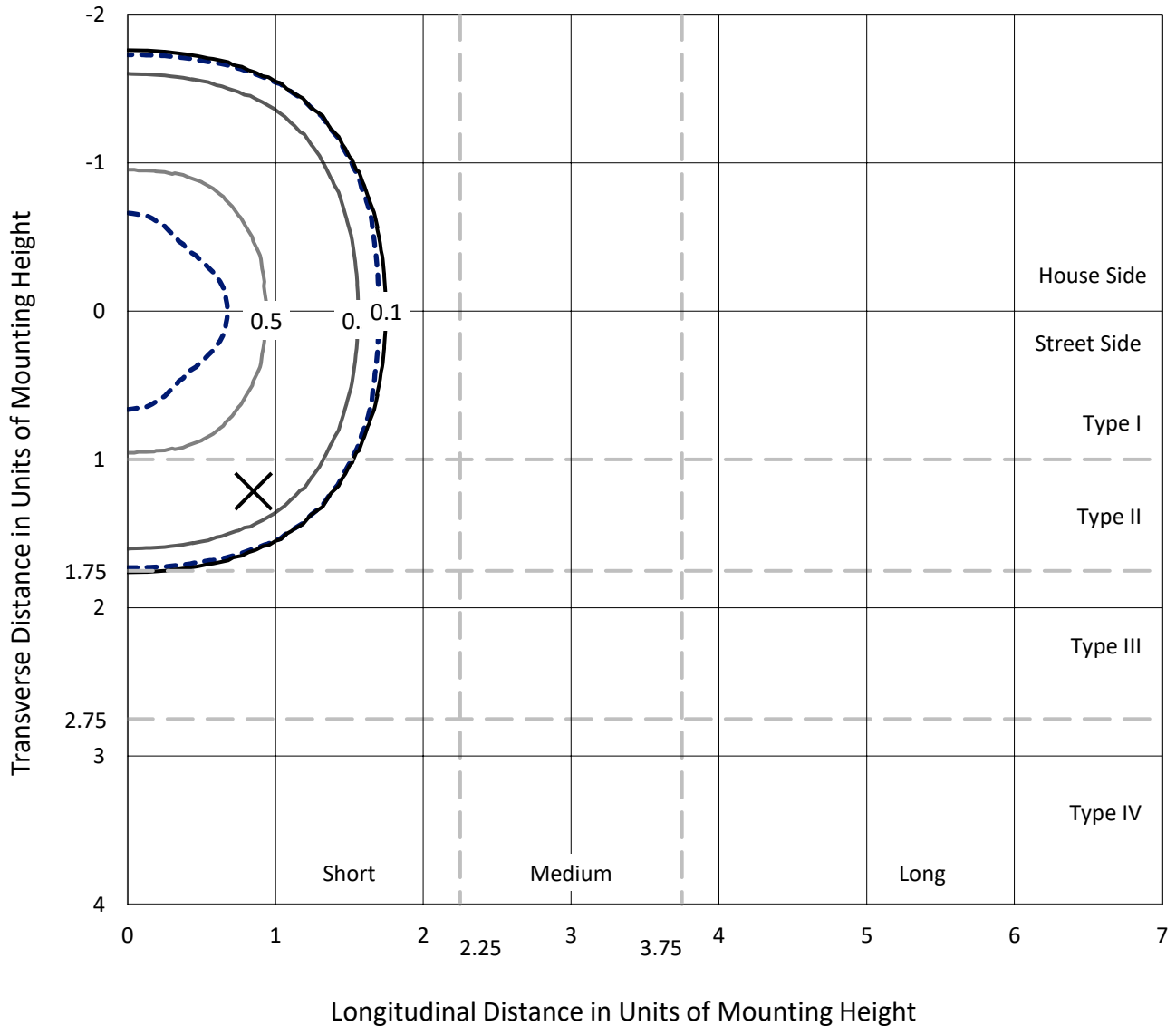
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

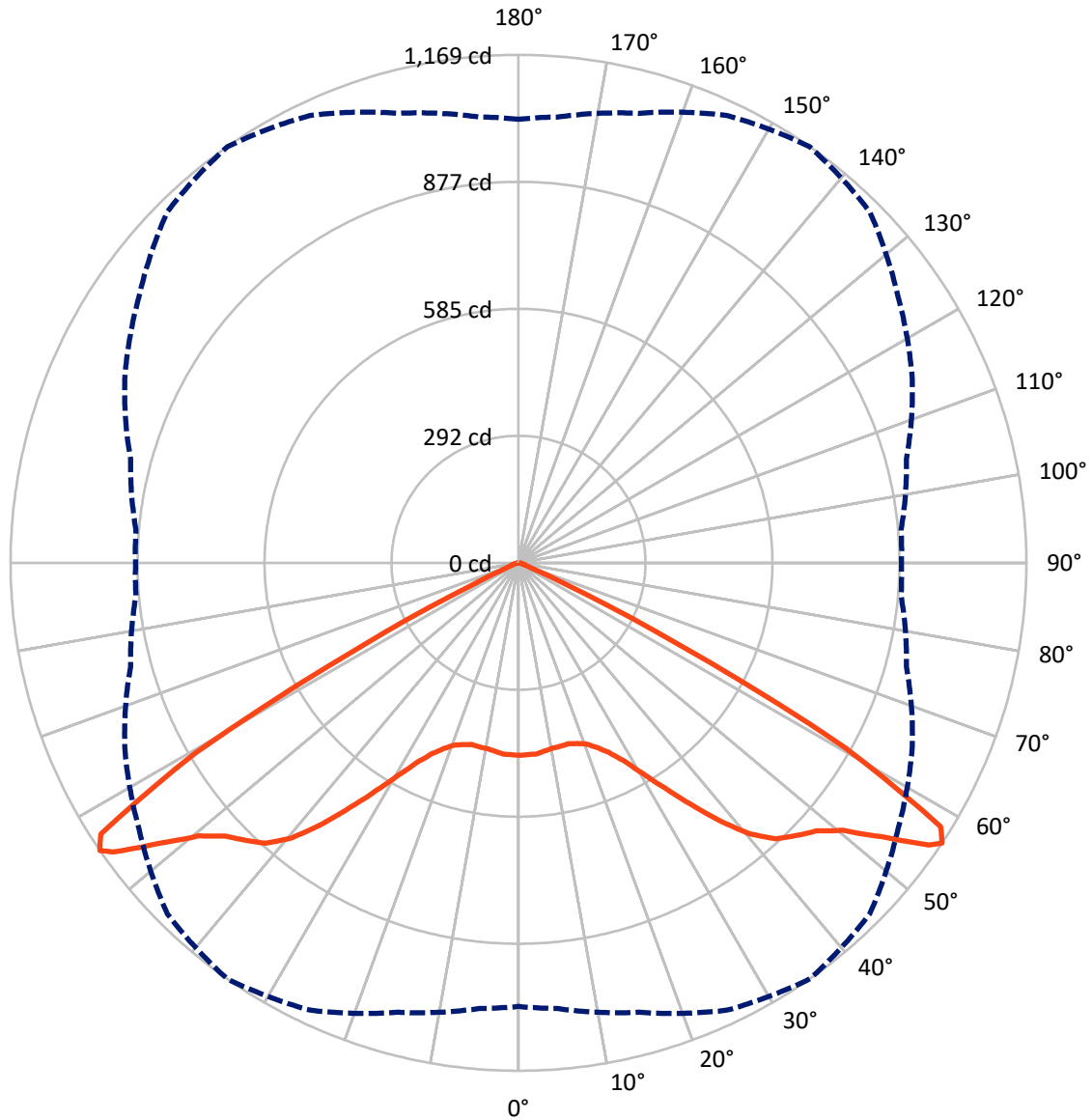
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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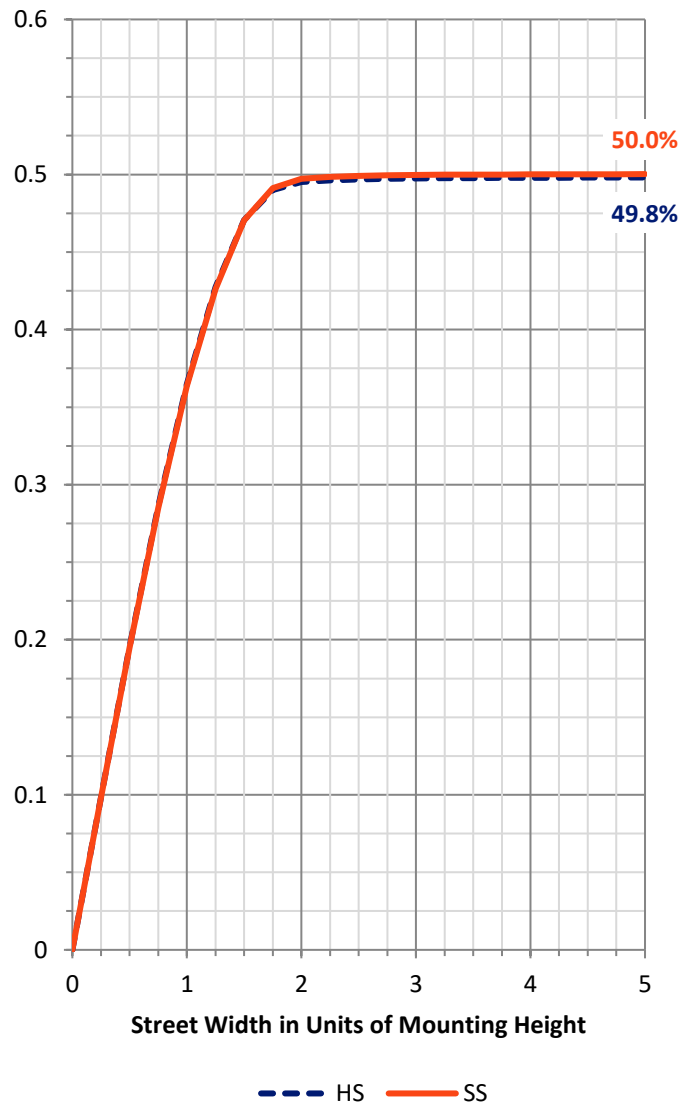
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1264.5	0.0	1264.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1264.5	0.0	1264.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2529.0	0.0	2529.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	1.6
10°-20°	121.6	4.8
20°-30°	220.2	8.7
30°-40°	408.3	16.1
40°-50°	670.2	26.5
50°-60°	863.4	34.1
60°-70°	190.3	7.5
70°-80°	11.0	0.4
80°-90°	2.3	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°	2529.0	100.0
0°-180°	2529.0	100.0

**Coefficient of Utilization**



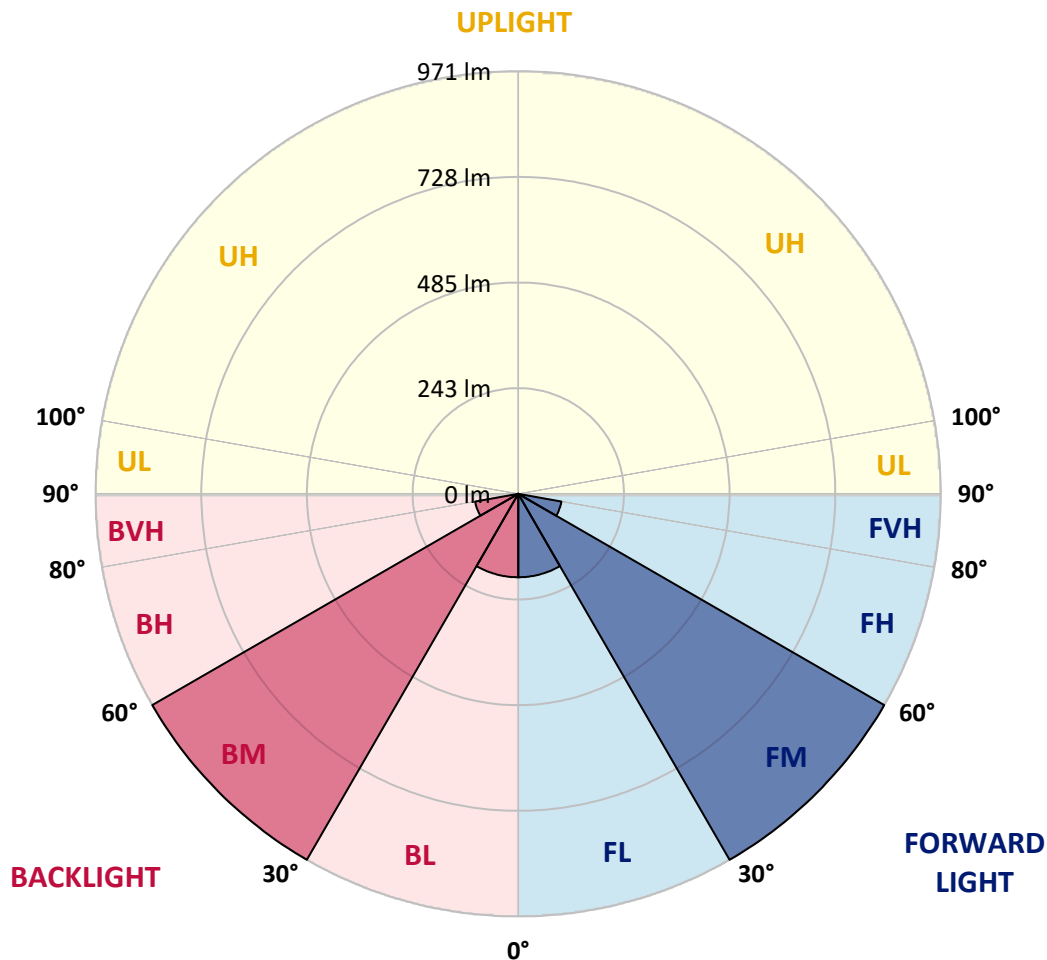
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.7	7.6			
FM (30°-60°)	971.0	38.4			
FH (60°-80°)	100.7	4.0			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	191.7	7.6	B1/500		
BM (30°-60°)	971.0	38.4	B1/1000		
BH (60°-80°)	100.7	4.0	B0/110		G0/660
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1
2.5°	444.1	444.1	444.5	445.0	441.8	440.4	440.8	439.9	439.5	440.8	440.8
5°	442.7	442.7	441.3	441.8	441.8	437.6	437.6	438.6	438.6	435.8	434.9
7.5°	439.0	438.1	436.3	438.6	437.2	437.2	434.0	431.7	430.8	432.6	430.8
10°	431.2	431.7	433.5	434.4	433.5	436.3	430.8	427.6	424.3	423.0	423.0
12.5°	427.6	430.3	427.6	429.8	433.1	430.8	427.6	425.3	420.7	418.8	418.8
15°	427.1	428.9	429.8	433.1	431.7	432.6	426.2	423.4	416.6	413.3	412.0
17.5°	426.6	428.9	430.3	436.3	437.2	437.6	432.6	424.3	418.4	415.2	412.0
20°	431.7	432.6	435.3	441.3	445.0	451.4	442.2	433.5	420.7	417.0	415.6
22.5°	438.1	442.7	445.4	451.8	461.5	467.0	455.0	444.1	430.8	426.2	420.7
25°	458.7	457.8	462.4	475.7	483.5	487.6	478.0	461.9	444.5	439.0	439.9
27.5°	484.4	485.3	489.4	504.1	515.5	522.0	510.5	489.4	472.5	463.3	462.4
30°	517.8	516.9	521.5	541.2	561.8	571.4	551.3	526.5	510.0	498.1	500.9
32.5°	553.1	553.6	566.4	584.3	617.7	636.5	604.0	573.7	549.0	540.7	536.6
35°	605.4	607.6	617.7	645.2	682.3	706.6	670.9	634.7	606.3	591.2	593.0
37.5°	670.0	667.7	684.6	714.4	753.4	771.2	741.0	699.8	670.9	660.8	667.2
40°	738.7	741.0	749.7	776.7	820.3	832.2	787.3	764.8	739.6	734.6	742.4
42.5°	807.5	806.1	812.5	836.8	868.4	860.1	833.6	820.3	802.4	792.3	802.9
45°	857.9	855.6	867.5	884.0	895.4	879.9	867.9	863.4	854.2	843.2	852.8
47.5°	906.9	905.1	916.5	921.1	922.0	901.4	903.7	911.9	889.0	866.1	877.1
50°	948.6	945.4	959.6	969.7	967.4	934.4	942.6	934.4	898.6	871.6	867.5
52.5°	1018.2	1019.6	1034.7	1053.1	1047.6	1020.1	1008.2	970.6	924.8	900.5	886.3
55°	1062.2	1055.4	1081.5	1139.7	1146.1	1117.7	1065.0	1009.5	940.8	911.0	907.4
56°	1021.0	1029.7	1070.9	1136.0	1169.0	1142.9	1066.4	999.9	924.3	884.0	881.2
57.5°	916.1	911.5	967.4	1056.3	1146.1	1135.1	1028.8	931.2	843.2	797.8	792.3
60°	570.1	583.4	632.4	742.4	862.4	867.9	762.5	678.7	576.0	535.7	545.3
62.5°	223.2	211.7	242.4	324.4	406.9	425.3	385.4	320.3	263.0	223.2	220.4
65°	51.8	50.4	56.8	78.4	109.5	126.9	120.5	86.6	63.7	60.5	55.9
67.5°	29.3	29.3	28.0	28.0	30.7	32.5	31.2	30.7	32.1	33.5	33.0
70°	20.6	20.2	19.2	19.7	18.8	18.8	20.2	22.5	24.3	24.3	24.7
72.5°	12.4	12.4	12.4	13.7	13.7	13.7	15.1	17.0	17.4	17.0	16.5
75°	5.5	5.5	6.4	7.8	8.7	9.2	10.5	11.5	12.4	11.5	10.5
77.5°	1.4	1.4	2.3	3.2	4.1	5.0	6.9	8.2	8.7	8.2	6.9
80°	0.5	0.5	0.9	2.3	4.1	5.0	6.9	7.3	7.8	6.9	5.5
82.5°	0.5	0.5	0.9	2.3	3.2	4.1	5.5	6.4	6.9	6.0	5.5
85°	0.0	0.5	0.9	1.8	2.7	3.7	3.7	2.7	2.3	1.4	1.8
87.5°	0.0	0.0	0.5	0.5	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)