

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: P531419

Luminaire Tested: **GALN-SA6D-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531419
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-SA6D-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23024 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

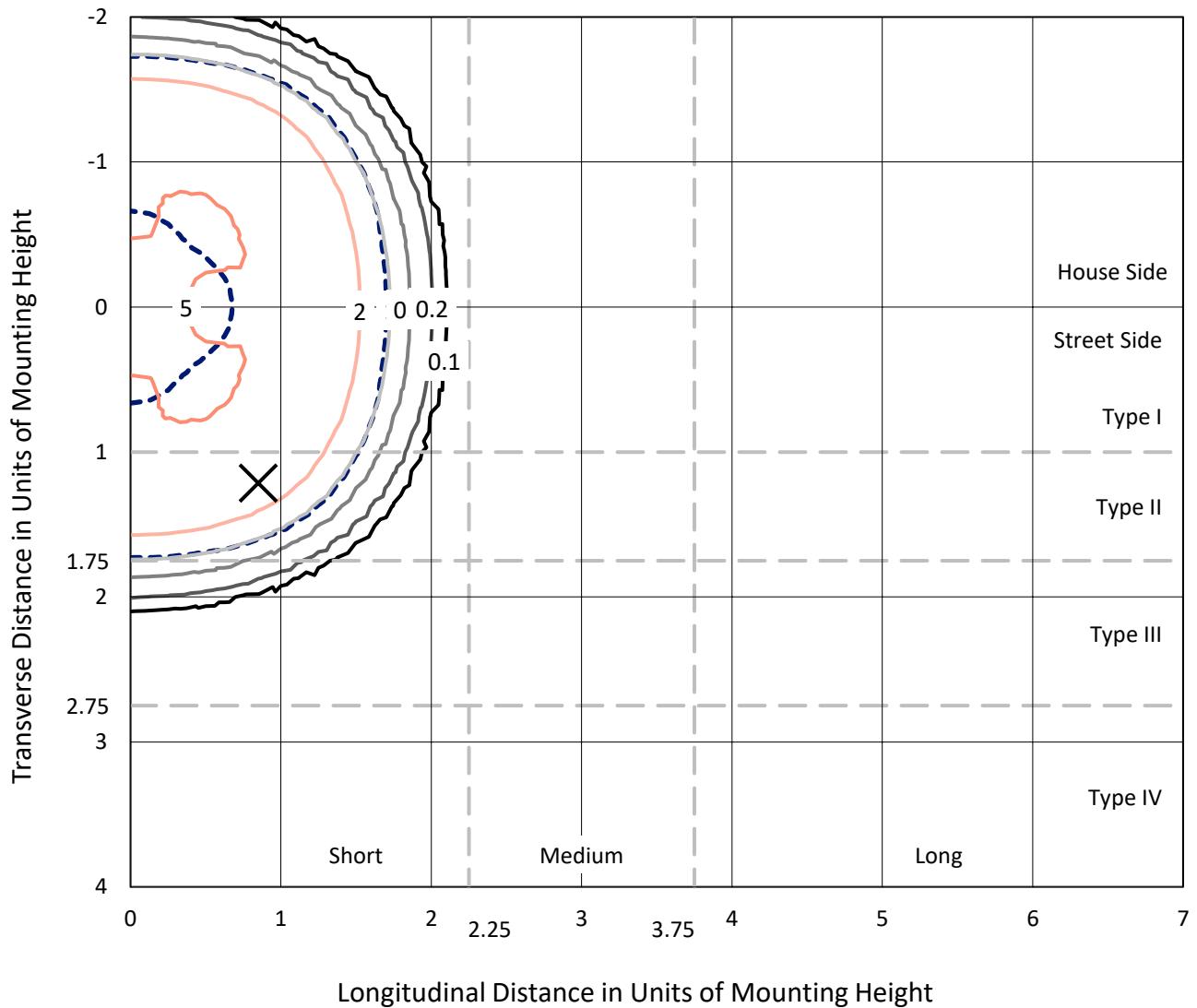
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

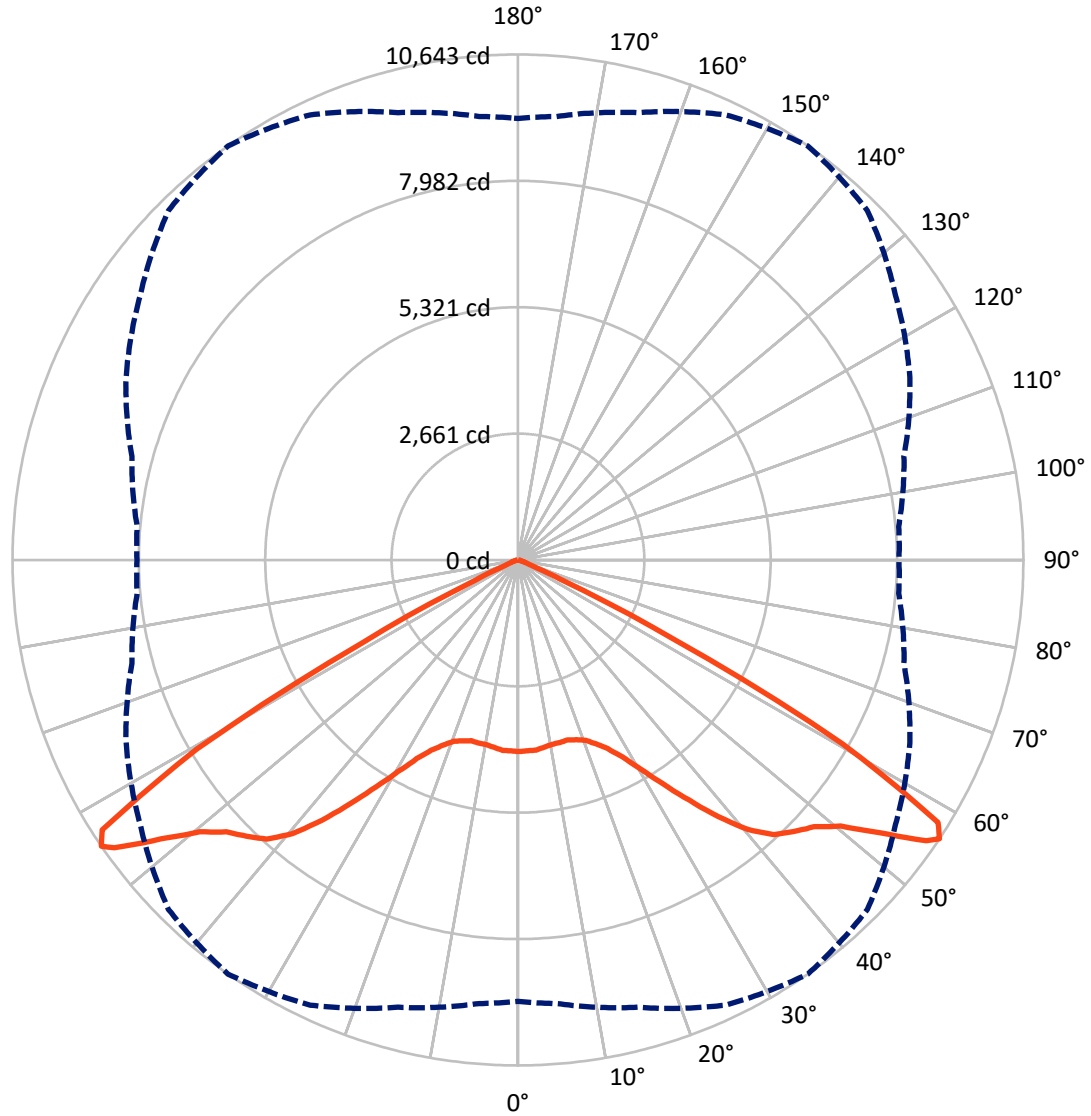
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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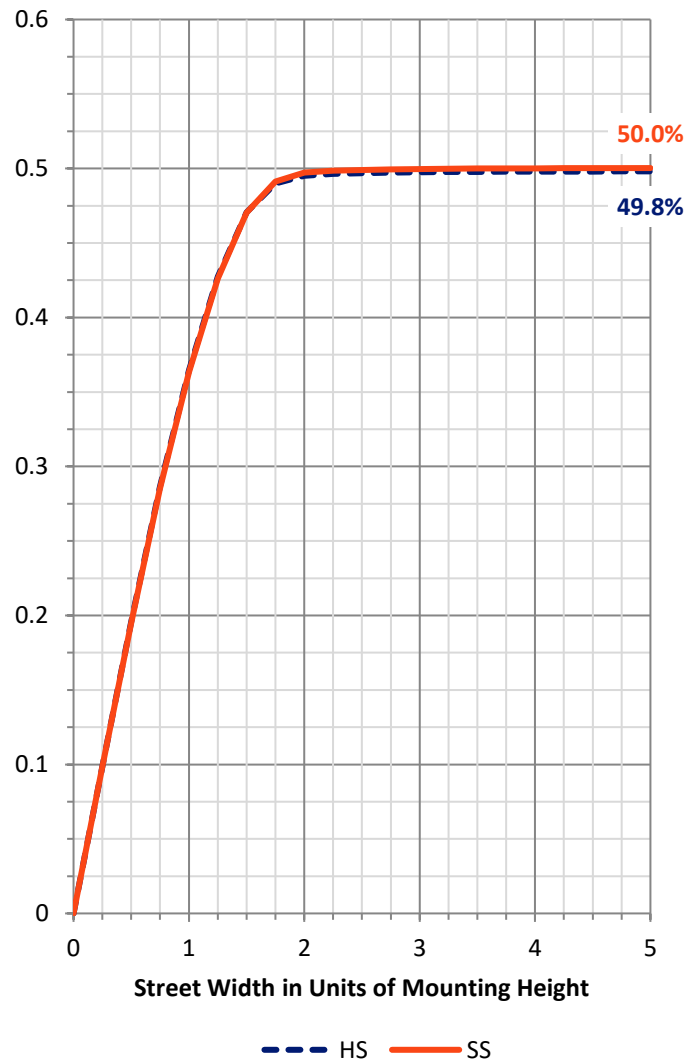
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11512.0	0.0	11512.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11512.0	0.0	11512.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23024.0	0.0	23024.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.2	1.6
10°-20°	1107.0	4.8
20°-30°	2004.6	8.7
30°-40°	3717.2	16.1
40°-50°	6101.5	26.5
50°-60°	7860.5	34.1
60°-70°	1732.4	7.5
70°-80°	100.5	0.4
80°-90°	21.2	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°	23024.0	100.0
0°-180°	23024.0	100.0

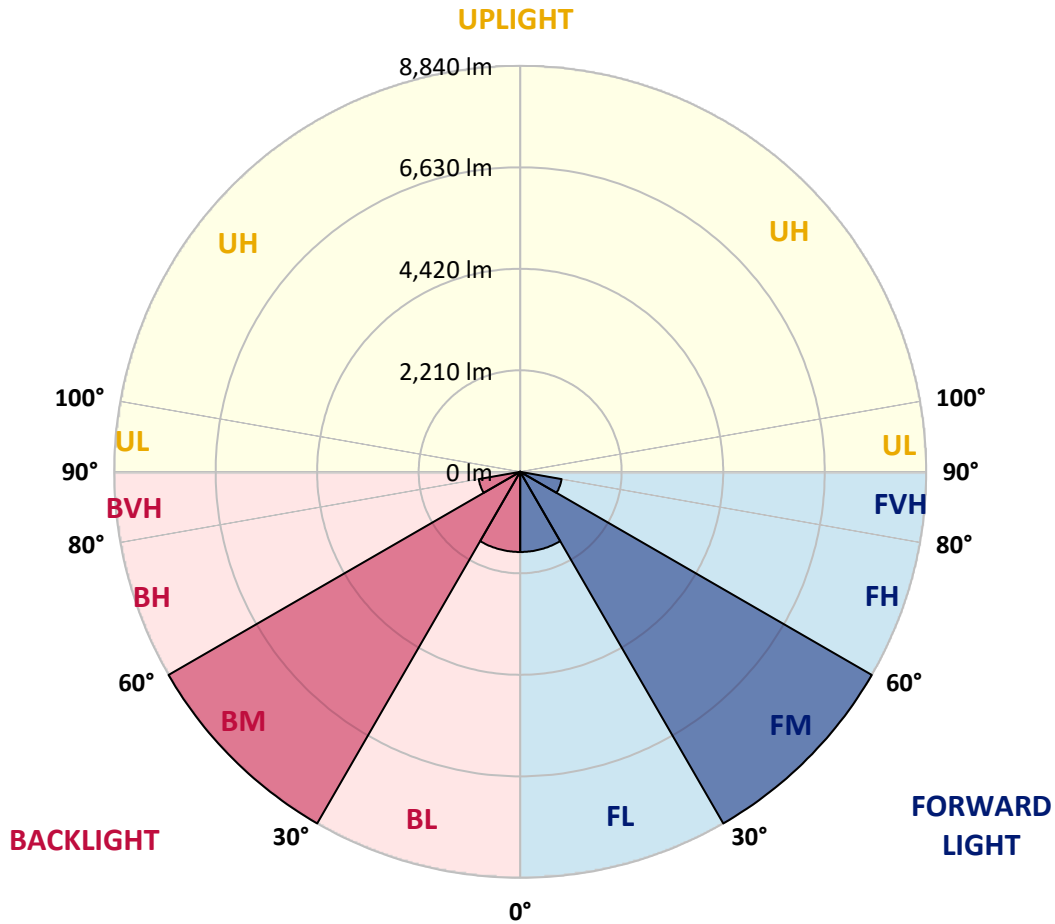


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1745.4	7.6			
FM (30°-60°)	8839.6	38.4			
FH (60°-80°)	916.4	4.0			G1/1800
FVH (80°-90°)	10.6	0.0			G1/100
BL (0°-30°)	1745.4	7.6	B3/2500		
BM (30°-60°)	8839.6	38.4	B5		
BH (60°-80°)	916.4	4.0	B2/1000		G1/1800
BVH (80°-90°)	10.6	0.0			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°	4034.3	4034.3	4034.3	4034.3	4034.3	4034.3	4034.3	4034.3	4034.3	4034.3	4034.3
2.5°	4042.6	4042.6	4046.8	4051.0	4021.8	4009.3	4013.4	4005.1	4000.9	4013.4	4013.4
5°	4030.1	4030.1	4017.6	4021.8	4021.8	3984.2	3984.2	3992.6	3992.6	3967.5	3959.2
7.5°	3996.8	3988.4	3971.7	3992.6	3980.1	3980.1	3950.9	3930.0	3921.7	3938.3	3921.7
10°	3925.8	3930.0	3946.7	3955.0	3946.7	3971.7	3921.7	3892.5	3863.2	3850.7	3850.7
12.5°	3892.5	3917.5	3892.5	3913.3	3942.5	3921.7	3892.5	3871.6	3829.9	3813.2	3813.2
15°	3888.3	3905.0	3913.3	3942.5	3930.0	3938.3	3879.9	3854.9	3792.3	3763.1	3750.6
17.5°	3884.1	3905.0	3917.5	3971.7	3980.1	3984.2	3938.3	3863.2	3809.0	3779.8	3750.6
20°	3930.0	3938.3	3963.4	4017.6	4051.0	4109.4	4026.0	3946.7	3829.9	3796.5	3784.0
22.5°	3988.4	4030.1	4055.2	4113.6	4201.2	4251.2	4142.8	4042.6	3921.7	3879.9	3829.9
25°	4176.1	4167.8	4209.5	4330.5	4401.4	4439.0	4351.4	4205.4	4046.8	3996.8	4005.1
27.5°	4409.8	4418.1	4455.7	4589.2	4693.5	4751.9	4647.6	4455.7	4301.3	4217.9	4209.5
30°	4714.3	4706.0	4747.7	4927.1	5114.8	5202.5	5018.9	4793.6	4643.4	4534.9	4560.0
32.5°	5035.6	5039.7	5156.6	5319.3	5623.8	5794.9	5498.7	5223.3	4998.0	4922.9	4885.4
35°	5511.2	5532.0	5623.8	5874.1	6212.1	6433.2	6107.8	5778.2	5519.5	5381.8	5398.5
37.5°	6099.4	6078.6	6232.9	6504.1	6858.7	7021.4	6746.1	6370.6	6107.8	6016.0	6074.4
40°	6725.2	6746.1	6825.4	7071.5	7467.8	7576.3	7167.5	6963.0	6733.6	6687.7	6758.6
42.5°	7351.0	7338.5	7396.9	7618.0	7905.9	7830.8	7588.8	7467.8	7305.1	7213.3	7309.3
45°	7809.9	7789.1	7897.5	8047.7	8152.0	8010.2	7901.7	7860.0	7776.6	7676.4	7764.0
47.5°	8256.3	8239.7	8344.0	8385.7	8394.0	8206.3	8227.1	8302.2	8093.6	7885.0	7985.2
50°	8636.0	8606.8	8736.1	8827.9	8807.0	8506.7	8581.8	8506.7	8181.2	7935.1	7897.5
52.5°	9270.1	9282.6	9420.3	9587.2	9537.1	9286.8	9178.3	8836.2	8419.0	8197.9	8068.6
55°	9670.6	9608.1	9845.9	10375.7	10434.1	10175.4	9695.7	9190.9	8565.1	8293.9	8260.5
56°	9295.2	9374.4	9749.9	10342.3	10642.7	10404.9	9708.2	9103.2	8414.9	8047.7	8022.7
57.5°	8339.8	8298.1	8807.0	9616.4	10434.1	10334.0	9366.1	8477.5	7676.4	7263.4	7213.3
60°	5189.9	5310.9	5757.3	6758.6	7851.7	7901.7	6942.2	6178.7	5244.2	4877.0	4964.7
62.5°	2031.8	1927.5	2207.0	2953.8	3704.7	3871.6	3508.6	2916.2	2394.7	2031.8	2006.7
65°	471.4	458.9	517.3	713.4	997.1	1155.6	1097.2	788.5	579.9	550.7	509.0
67.5°	267.0	267.0	254.5	254.5	279.5	296.2	283.7	279.5	292.0	304.6	300.4
70°	187.7	183.6	175.2	179.4	171.1	171.1	183.6	204.4	221.1	221.1	225.3
72.5°	112.6	112.6	112.6	125.2	125.2	125.2	137.7	154.4	158.5	154.4	150.2
75°	50.1	50.1	58.4	70.9	79.3	83.4	96.0	104.3	112.6	104.3	96.0
77.5°	12.5	12.5	20.9	29.2	37.5	45.9	62.6	75.1	79.3	75.1	62.6
80°	4.2	4.2	8.3	20.9	37.5	45.9	62.6	66.8	70.9	62.6	50.1
82.5°	4.2	4.2	8.3	20.9	29.2	37.5	50.1	58.4	62.6	54.2	50.1
85°	0.0	4.2	8.3	16.7	25.0	33.4	33.4	25.0	20.9	12.5	16.7
87.5°	0.0	0.0	4.2	4.2	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)