

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: P532148

Luminaire Tested: **GALN-SA7C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39363 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

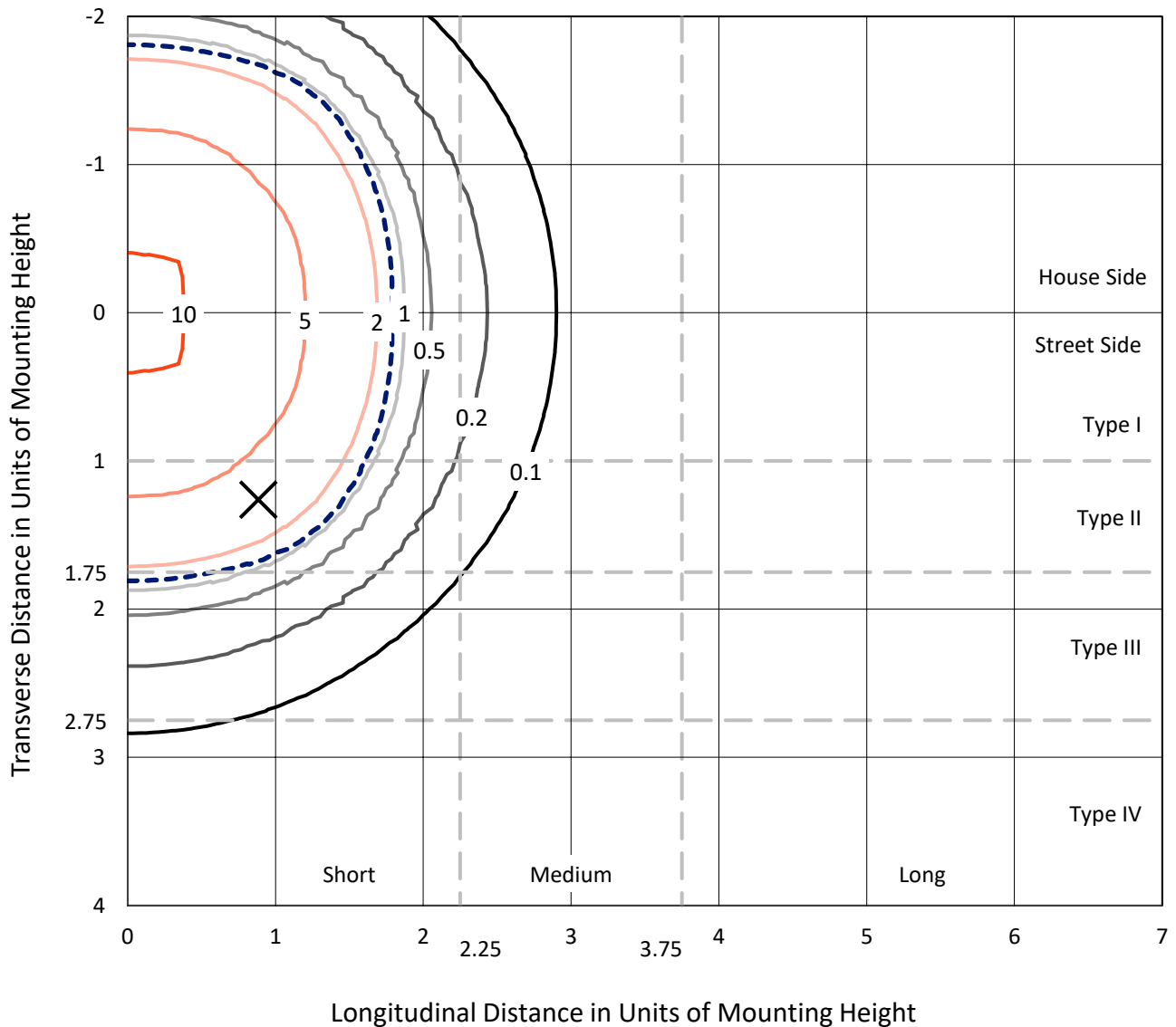
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

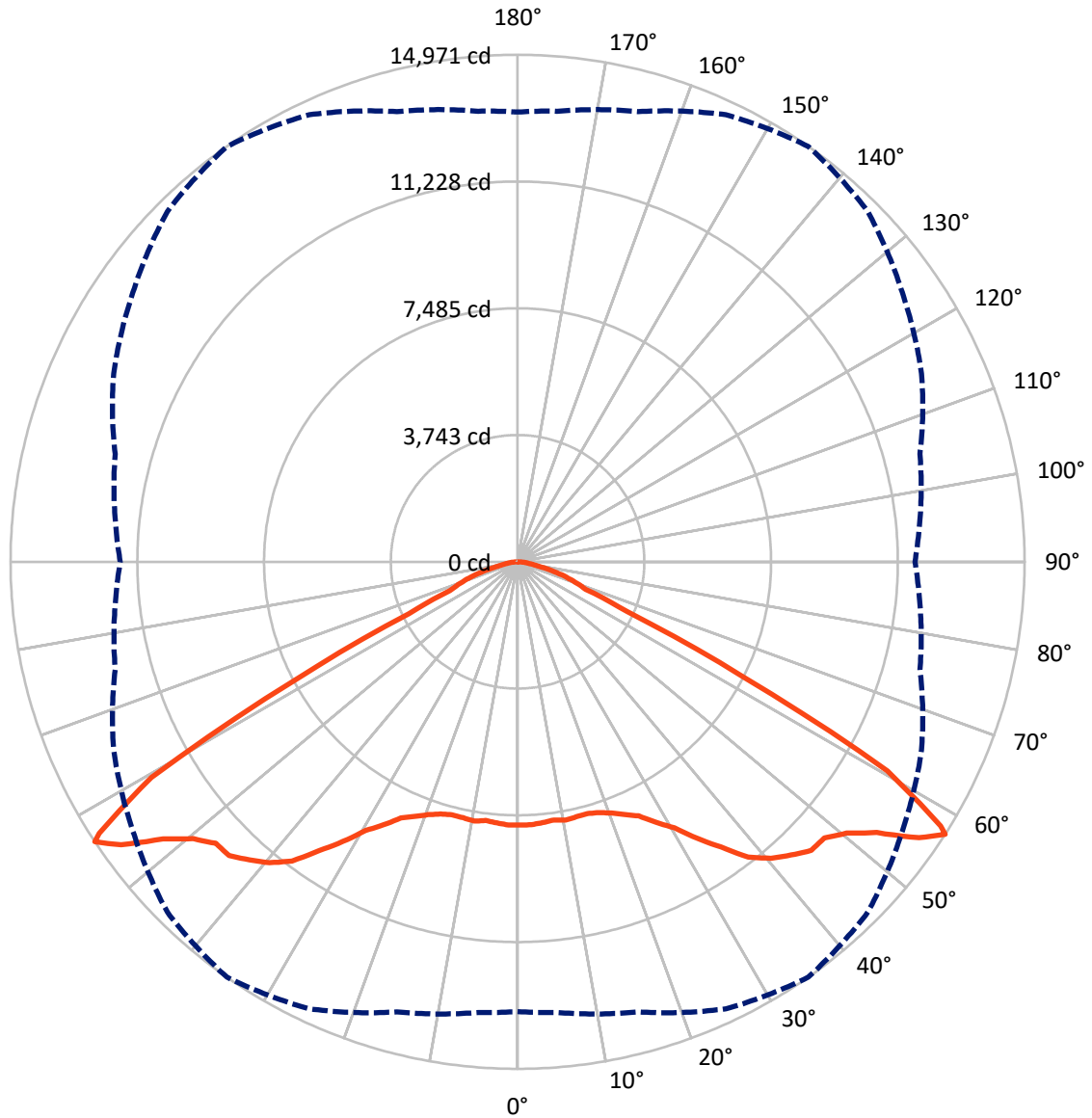
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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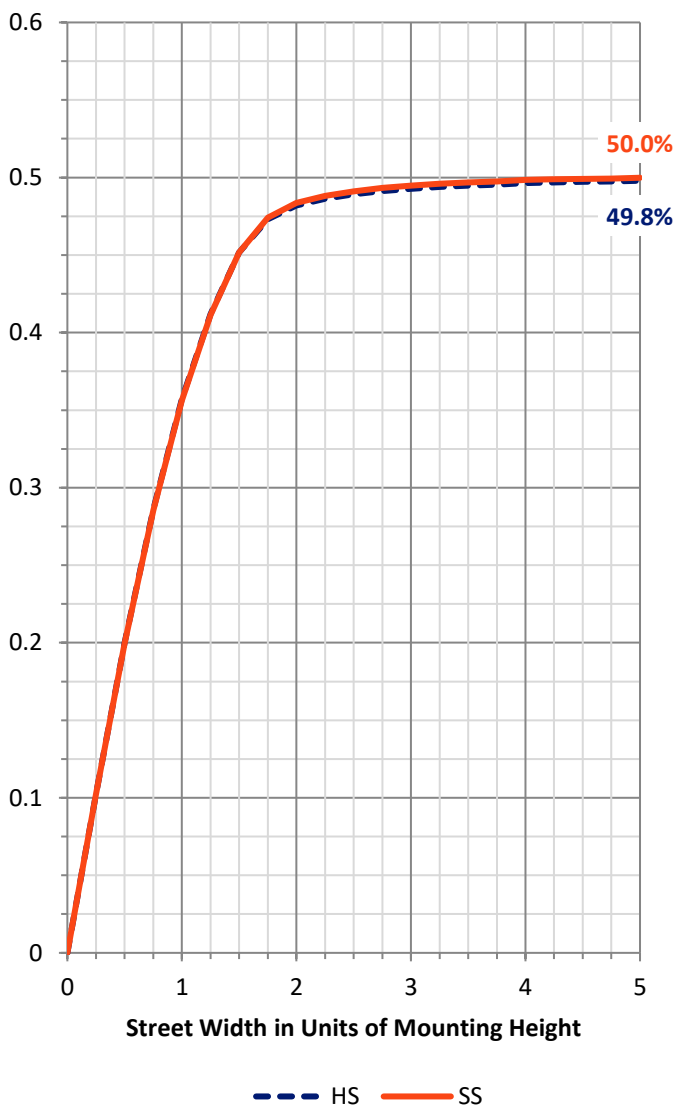
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19681.5	0.0	19681.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19681.5	0.0	19681.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39363.0	0.0	39363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.0	1.9
10°-20°	2182.8	5.5
20°-30°	3812.2	9.7
30°-40°	6246.3	15.9
40°-50°	9158.7	23.3
50°-60°	11536.1	29.3
60°-70°	4338.6	11.0
70°-80°	1153.6	2.9
80°-90°	197.8	0.5
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°	39363.0	100.0
0°-180°	39363.0	100.0

Coefficient of Utilization

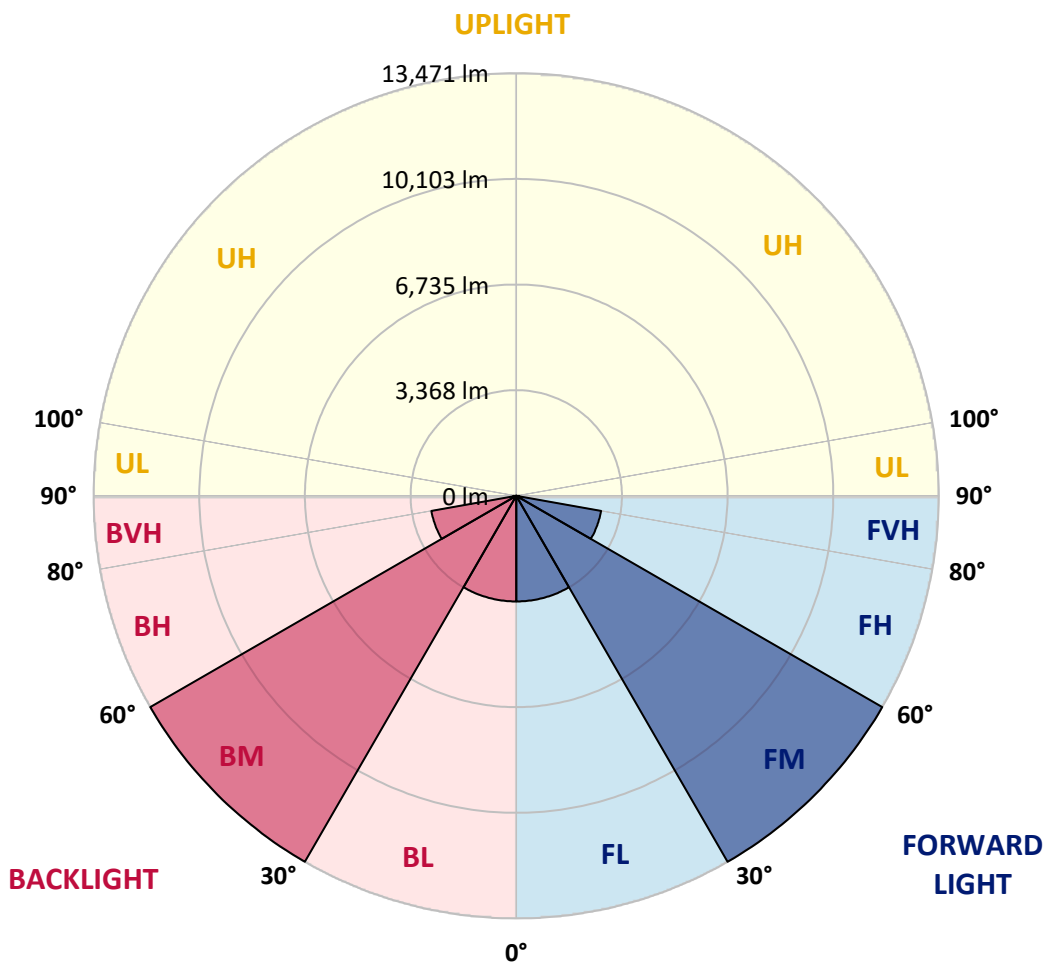


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3366.0	8.6			
FM (30°-60°)	13470.5	34.2			
FH (60°-80°)	2746.1	7.0			G2/5000
FVH (80°-90°)	98.9	0.3			G1/100
BL (0°-30°)	3366.0	8.6	B4/5000		
BM (30°-60°)	13470.5	34.2	B5		
BH (60°-80°)	2746.1	7.0	B4/5000		G2/5000
BVH (80°-90°)	98.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7773.9	7773.9	7773.9	7773.9	7773.9	7773.9	7773.9	7773.9	7773.9	7773.9	7773.9
2.5°	7735.1	7812.7	7778.8	7759.4	7773.9	7749.7	7710.9	7754.5	7744.8	7706.0	7691.5
5°	7715.7	7773.9	7735.1	7773.9	7735.1	7803.0	7783.6	7710.9	7798.2	7715.7	7744.8
7.5°	7701.2	7720.6	7730.3	7710.9	7696.3	7778.8	7735.1	7701.2	7652.7	7638.1	7662.4
10°	7667.2	7715.7	7643.0	7740.0	7759.4	7701.2	7701.2	7638.1	7599.3	7575.1	7657.5
12.5°	7754.5	7672.1	7662.4	7710.9	7725.4	7749.7	7681.8	7647.8	7575.1	7584.8	7570.2
15°	7652.7	7686.6	7691.5	7701.2	7715.7	7773.9	7710.9	7638.1	7609.0	7507.2	7516.9
17.5°	7691.5	7657.5	7691.5	7803.0	7783.6	7827.2	7759.4	7647.8	7579.9	7521.7	7599.3
20°	7759.4	7744.8	7759.4	7895.1	7919.4	7958.2	7900.0	7798.2	7667.2	7599.3	7638.1
22.5°	7832.1	7822.4	7832.1	7963.0	8103.7	8152.2	8094.0	7856.3	7788.5	7662.4	7618.7
25°	7963.0	7972.7	8074.6	8220.1	8312.2	8404.3	8297.7	8127.9	7909.7	7832.1	7740.0
27.5°	8254.0	8278.3	8336.5	8549.8	8709.9	8792.3	8642.0	8409.2	8273.4	8113.4	8089.1
30°	8612.9	8612.9	8714.7	8899.0	9117.2	9243.3	9059.0	8782.6	8617.7	8530.4	8477.1
32.5°	9088.1	9034.8	9073.6	9398.5	9738.0	9844.7	9597.4	9257.9	8996.0	8879.6	8840.8
35°	9495.5	9529.5	9616.7	9965.9	10344.2	10591.5	10203.6	9762.2	9495.5	9388.8	9369.4
37.5°	10024.1	10082.3	10126.0	10606.1	11061.9	11154.1	10780.7	10426.6	10101.7	10014.4	9965.9
40°	10771.0	10732.2	10746.7	11100.7	11512.9	11571.1	11202.6	10950.4	10683.7	10630.3	10630.3
42.5°	11386.9	11343.2	11391.7	11522.6	11837.9	11794.2	11590.5	11406.2	11294.7	11236.5	11294.7
45°	11760.3	11750.6	11837.9	11934.9	12157.9	12012.4	11852.4	11881.5	11774.8	11677.8	11673.0
47.5°	12167.6	12104.6	12211.3	12356.8	12187.0	12119.1	12109.4	12172.5	12138.5	11968.8	11915.5
50°	12366.5	12342.2	12512.0	12681.7	12589.6	12434.4	12468.3	12570.2	12133.7	11905.8	11774.8
52.5°	12899.9	12904.8	13229.7	13321.8	13283.0	13055.1	13127.9	12851.4	12337.4	12017.3	12031.8
55°	13738.9	13705.0	14068.7	14340.3	14383.9	14092.9	13743.8	13355.8	12710.8	12385.9	12288.9
57°	13278.2	13355.8	13758.3	14563.3	14970.7	14626.4	13865.0	13157.0	12298.6	11905.8	11731.2
57.5°	12662.3	12788.4	13486.7	14296.6	14723.4	14694.3	13714.7	12788.4	12022.1	11411.1	11425.6
60°	9277.3	9301.5	9932.0	11217.1	12550.8	12579.9	11386.9	10159.9	9306.4	8642.0	8734.1
62.5°	4893.2	5004.8	5257.0	6289.9	7444.1	7725.4	7002.8	6372.4	5635.2	5130.9	5179.4
65°	2589.7	2575.1	2696.4	2987.4	3554.8	3700.2	3603.2	3103.7	2846.7	2764.3	2769.1
67.5°	2104.7	2129.0	2114.4	2129.0	2167.8	2230.8	2216.3	2235.7	2250.2	2274.5	2269.6
70°	1784.7	1784.7	1794.4	1799.2	1799.2	1828.3	1862.2	1925.3	1930.1	1954.4	1964.1
72.5°	1406.4	1396.7	1411.2	1445.2	1450.0	1474.3	1522.8	1561.6	1576.1	1576.1	1547.0
75°	955.4	965.1	984.5	1013.6	1042.7	1086.3	1125.1	1149.4	1159.1	1144.5	1130.0
77.5°	538.3	548.0	562.6	606.2	640.1	678.9	722.6	746.8	771.1	775.9	746.8
80°	320.1	320.1	344.3	378.3	417.1	455.9	494.7	523.8	533.5	533.5	518.9
82.5°	194.0	198.8	218.2	252.2	286.1	310.4	344.3	368.6	388.0	383.1	373.4
85°	101.8	101.8	121.2	150.3	174.6	198.8	198.8	184.3	174.6	150.3	140.6
87.5°	33.9	29.1	38.8	38.8	33.9	38.8	38.8	43.6	43.6	43.6	43.6
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)