

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: P532389

Luminaire Tested: **GALN-SA7D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532389
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-SA7D-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 31712 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

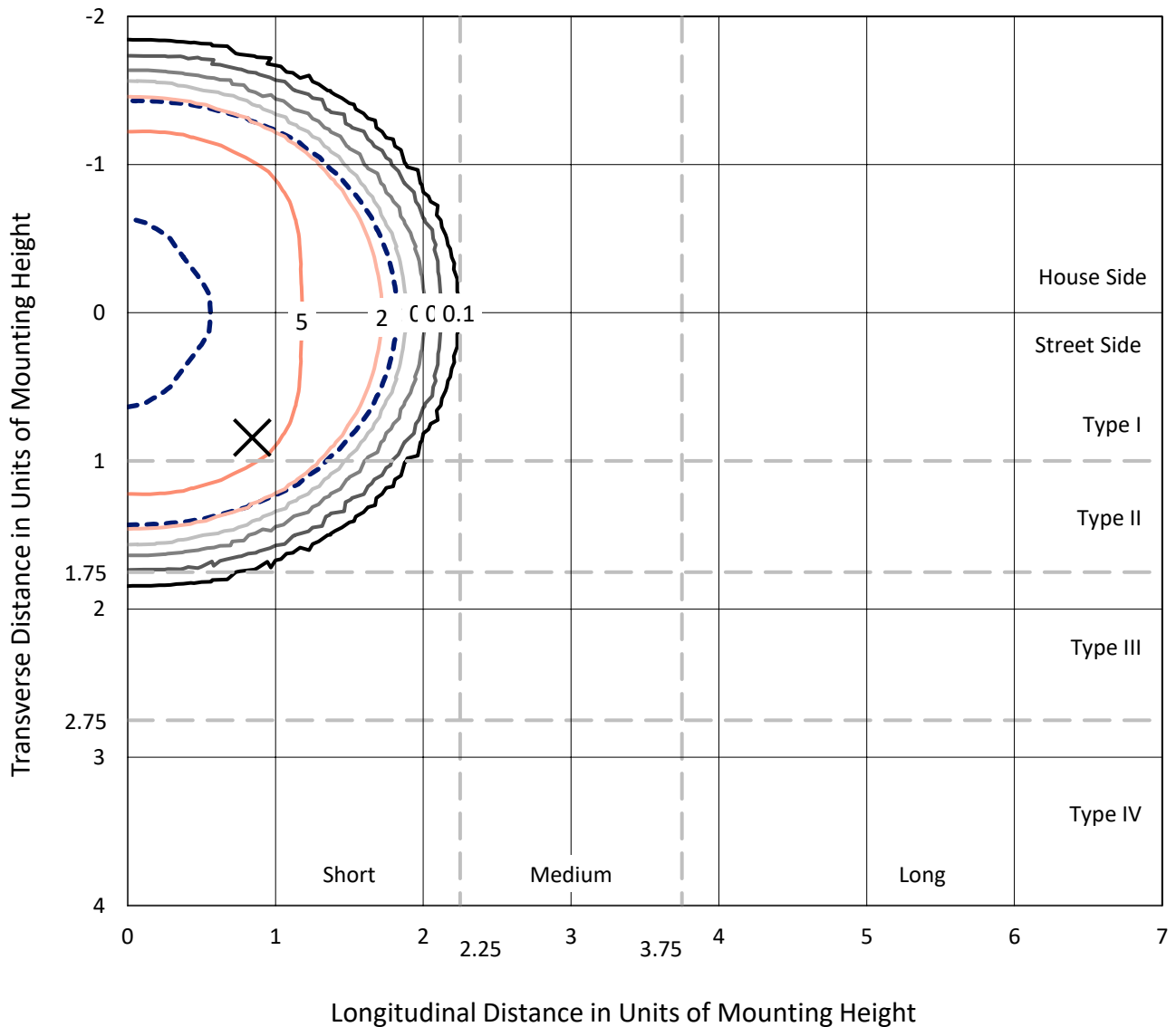
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

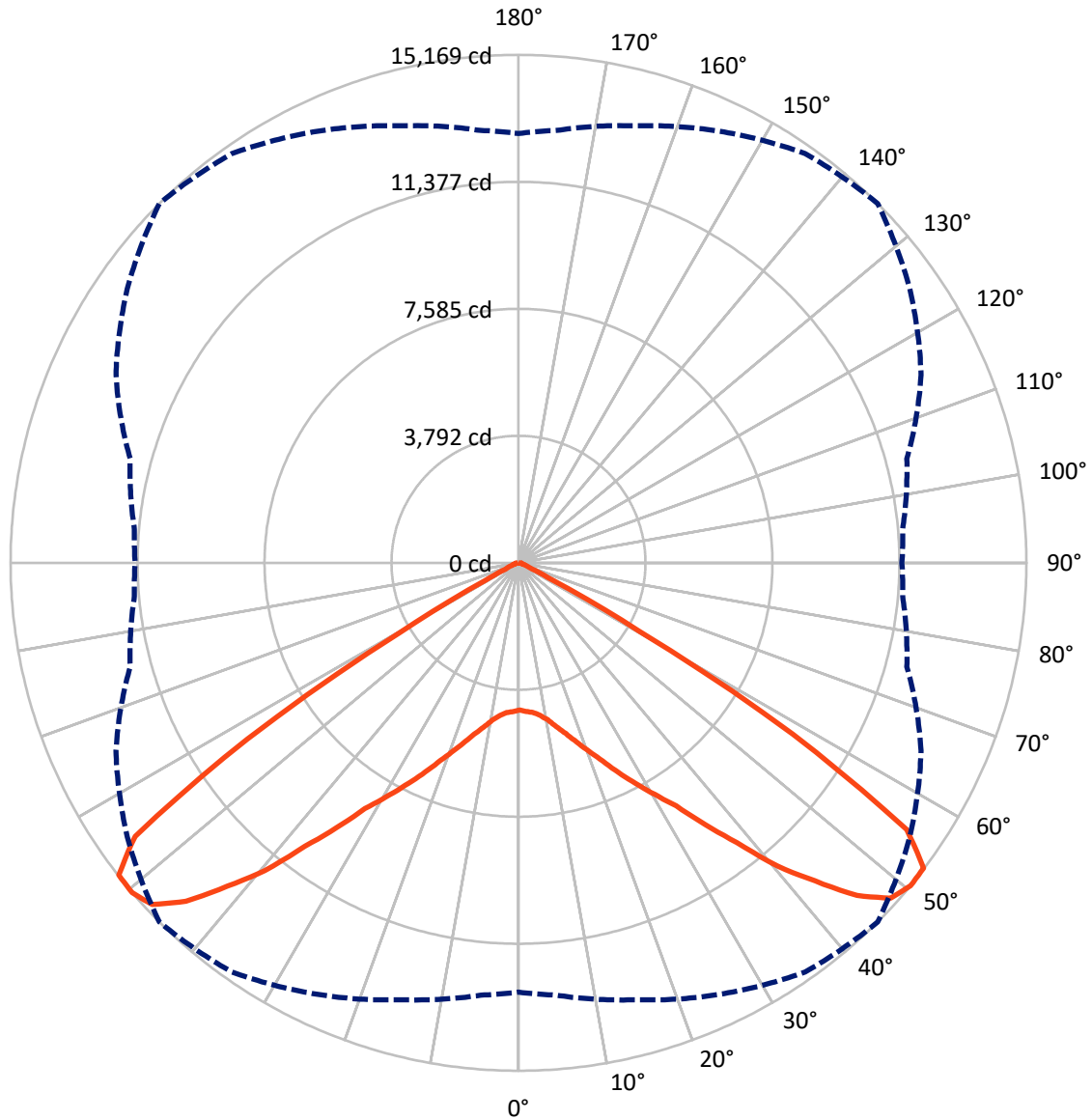
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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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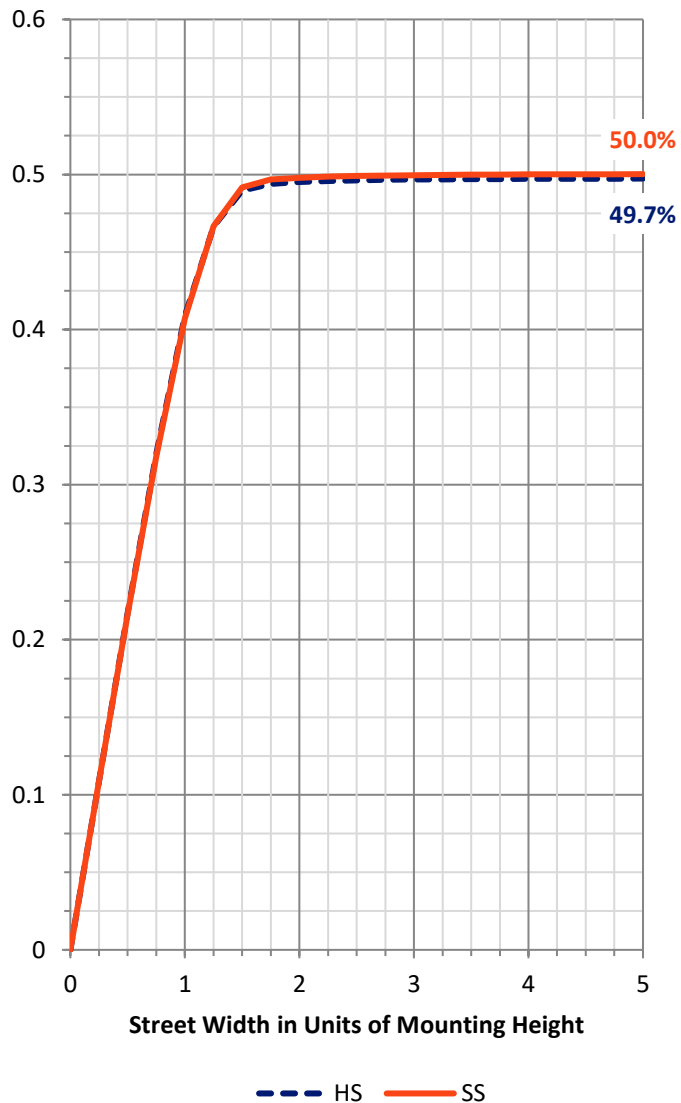
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15856.0	0.0	15856.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15856.0	0.0	15856.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31712.0	0.0	31712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.4	1.4
10°-20°	1507.5	4.8
20°-30°	3078.9	9.7
30°-40°	5871.4	18.5
40°-50°	9894.2	31.2
50°-60°	9435.9	29.8
60°-70°	1317.2	4.2
70°-80°	126.0	0.4
80°-90°	43.5	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°	31712.0	100.0
0°-180°	31712.0	100.0

Coefficient of Utilization



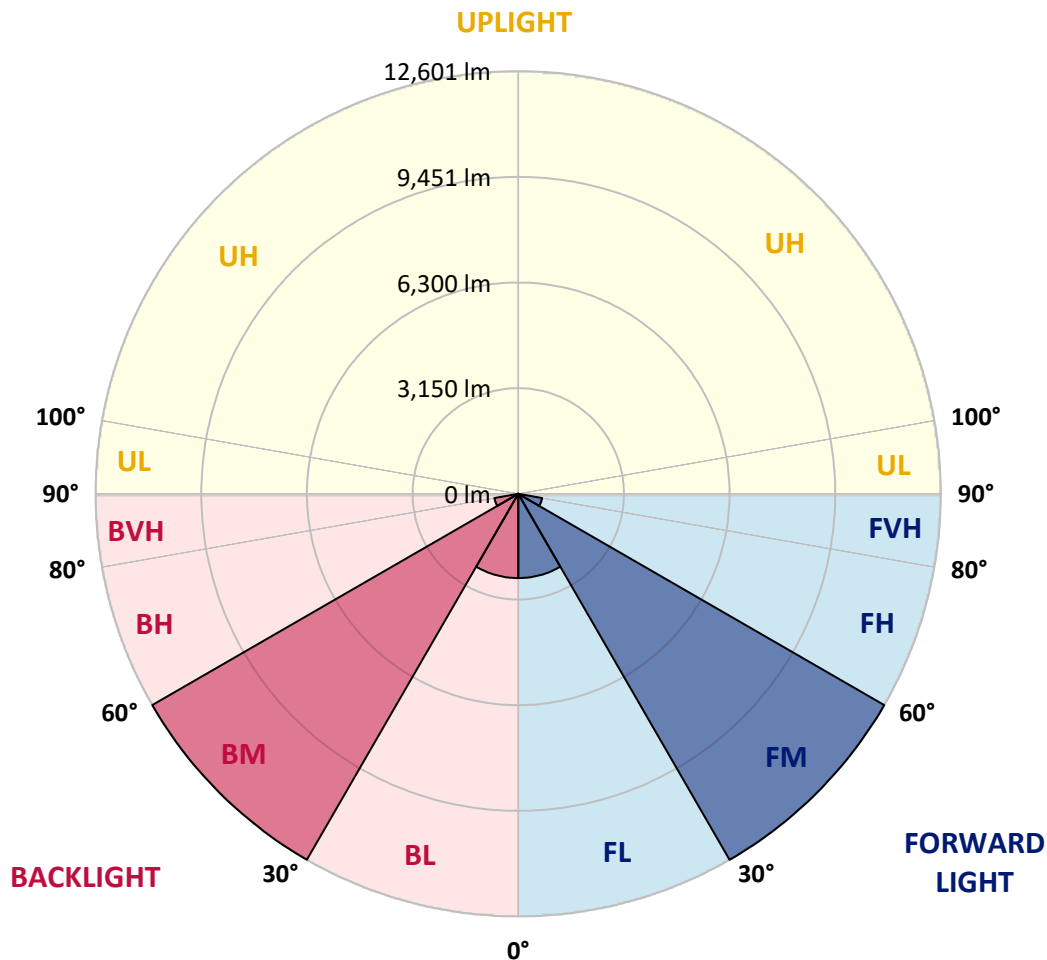
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2511.9	7.9			
FM (30°-60°)	12600.8	39.7			
FH (60°-80°)	721.6	2.3			G1/1800
FVH (80°-90°)	21.8	0.1			G1/100
BL (0°-30°)	2511.9	7.9	B4/5000		
BM (30°-60°)	12600.8	39.7	B5		
BH (60°-80°)	721.6	2.3	B2/1000		G1/1800
BVH (80°-90°)	21.8	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°	4396.5	4396.5	4396.5	4396.5	4396.5	4396.5	4396.5	4396.5	4396.5	4396.5	4396.5
2.5°	4380.5	4380.5	4375.2	4417.9	4396.5	4444.5	4439.2	4455.2	4471.2	4465.9	4508.6
5°	4343.2	4337.8	4337.8	4385.8	4433.9	4487.2	4535.2	4567.3	4620.6	4620.6	4674.0
7.5°	4380.5	4353.8	4391.2	4412.5	4503.2	4593.9	4674.0	4738.0	4860.7	4903.4	4887.4
10°	4391.2	4423.2	4449.9	4513.9	4625.9	4764.7	4834.0	4994.1	5132.8	5228.9	5250.2
12.5°	4460.5	4508.6	4583.3	4738.0	4839.4	5020.8	5116.8	5271.6	5463.6	5570.3	5645.0
15°	4593.9	4609.9	4706.0	4903.4	5122.2	5287.6	5437.0	5549.0	5735.8	5858.5	5863.8
17.5°	4764.7	4834.0	4967.4	5154.2	5383.6	5629.0	5746.4	5869.1	5938.5	6103.9	6141.3
20°	5106.2	5116.8	5244.9	5490.3	5778.4	6002.5	6087.9	6151.9	6125.2	6296.0	6328.0
22.5°	5426.3	5437.0	5597.0	5927.8	6237.3	6429.4	6466.7	6429.4	6349.3	6472.1	6482.7
25°	5751.8	5847.8	5965.2	6296.0	6680.1	6936.3	6941.6	6840.2	6674.8	6696.2	6749.5
27.5°	6258.6	6328.0	6450.7	6754.8	7176.4	7464.5	7416.5	7293.7	7080.3	7096.3	7080.3
30°	6850.9	6914.9	7016.3	7405.8	7715.3	8030.1	8099.4	7982.0	7661.9	7592.5	7672.6
32.5°	7565.9	7656.6	7843.3	8200.8	8462.2	8654.3	8702.3	8659.7	8360.9	8334.2	8387.5
35°	8435.6	8558.3	8729.0	9043.8	9257.2	9604.0	9604.0	9460.0	9187.9	9219.9	9214.6
37.5°	9353.3	9534.7	9801.5	10121.6	10409.7	10596.5	10537.8	10415.1	10142.9	10073.6	10142.9
40°	10505.8	10596.5	10932.6	11348.8	11700.9	11914.4	11663.6	11396.8	10745.9	10847.2	11034.0
42.5°	11556.9	11700.9	11957.0	12415.9	12816.1	12992.1	12693.4	12165.1	11380.8	11300.8	11439.5
45°	12453.2	12608.0	12944.1	13600.4	14021.9	14176.6	13515.0	12661.3	11765.0	11562.2	11620.9
47.5°	13050.8	13130.9	13600.4	14224.7	14608.8	14961.0	14011.2	13002.8	11946.4	11562.2	11540.9
50°	12821.4	12960.1	13509.7	14219.3	14918.3	15169.1	14262.0	13264.3	12005.1	11514.2	11450.2
52.5°	11386.1	11626.2	12239.8	13194.9	14251.3	15147.7	14608.8	13178.9	11983.7	11562.2	11658.2
55°	7923.3	7928.7	8675.7	10084.3	11951.7	14064.6	14101.9	13274.9	12122.4	11861.0	11866.3
57.5°	3185.3	3345.4	3916.3	5330.2	7053.6	9657.4	11482.2	12314.5	12138.5	12074.4	12239.8
60°	805.7	811.0	987.1	1504.6	2481.0	4140.4	6013.2	8136.8	9369.3	9790.8	9849.5
62.5°	410.8	416.2	458.9	533.6	677.6	1109.8	1974.2	3132.0	4455.2	5127.5	5303.6
65°	336.1	336.1	362.8	400.2	405.5	426.8	512.2	731.0	1061.8	1205.8	1221.8
67.5°	256.1	256.1	277.5	298.8	309.5	304.1	293.5	304.1	368.2	352.1	341.5
70°	160.1	165.4	176.1	197.4	208.1	213.4	218.8	229.4	261.4	272.1	261.4
72.5°	96.0	96.0	101.4	117.4	133.4	144.1	160.1	170.7	186.7	213.4	208.1
75°	42.7	42.7	53.4	69.4	85.4	101.4	117.4	133.4	144.1	160.1	165.4
77.5°	10.7	16.0	26.7	48.0	64.0	85.4	106.7	122.7	133.4	133.4	128.1
80°	5.3	5.3	21.3	37.3	69.4	90.7	117.4	128.1	144.1	133.4	117.4
82.5°	5.3	5.3	21.3	37.3	64.0	90.7	122.7	138.7	149.4	133.4	112.0
85°	0.0	5.3	16.0	32.0	53.4	64.0	53.4	37.3	21.3	21.3	16.0
87.5°	0.0	0.0	5.3	5.3	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)