

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: P532381

Luminaire Tested: **GALN-SA7D-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532381
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-SA7D-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 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: 29450 lumens
Efficiency: N/A
Efficacy: 68.0 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

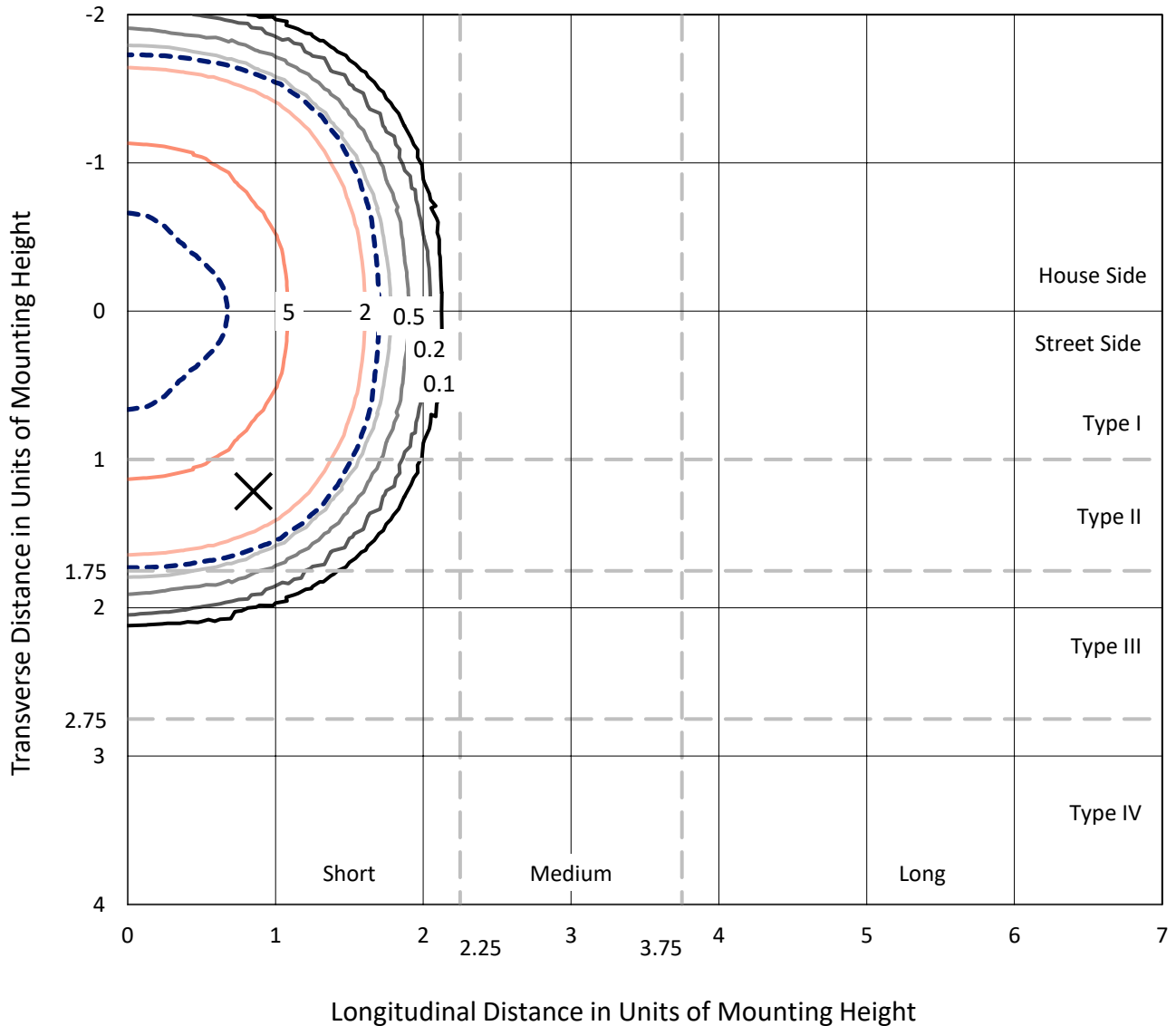
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

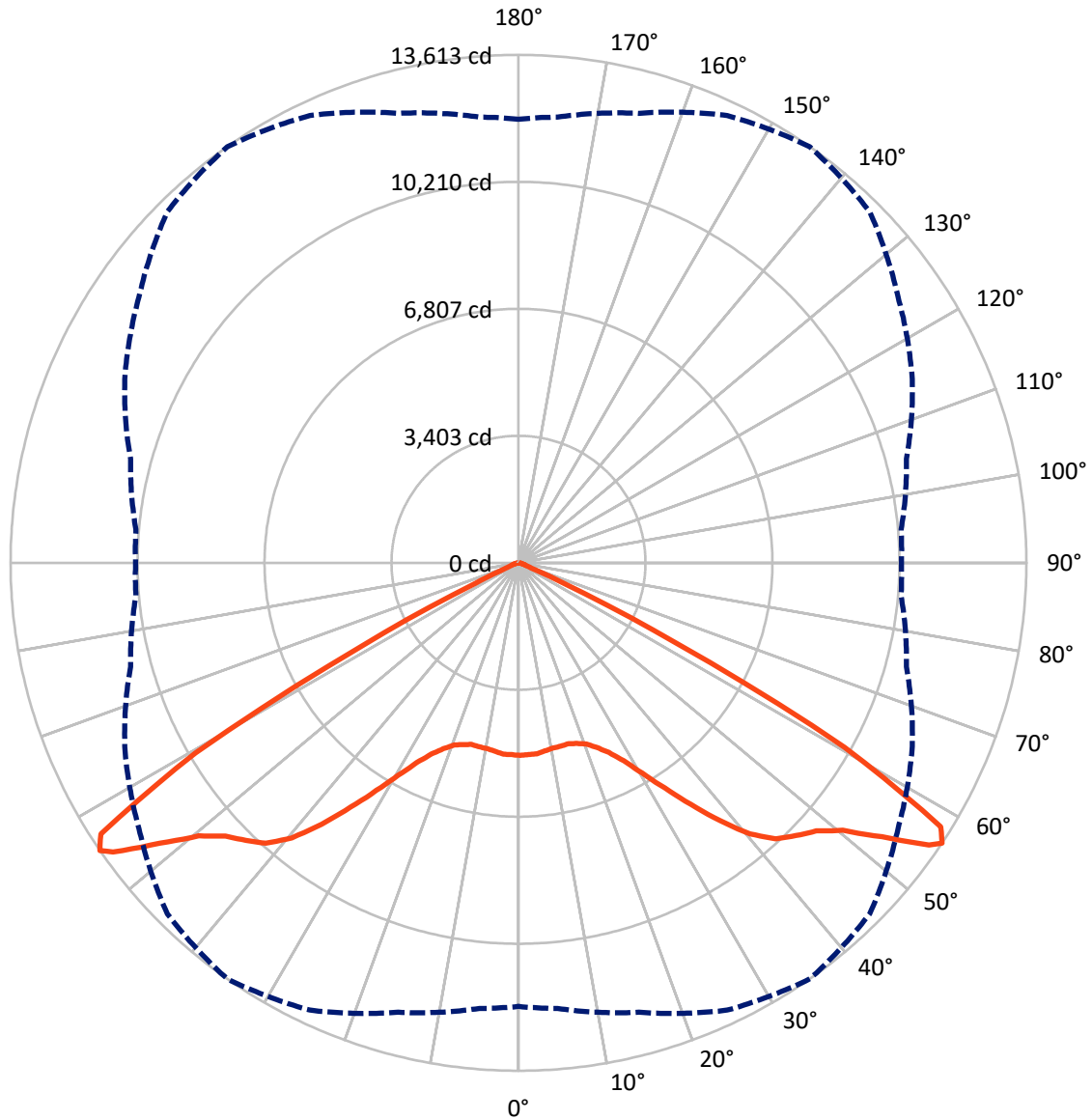
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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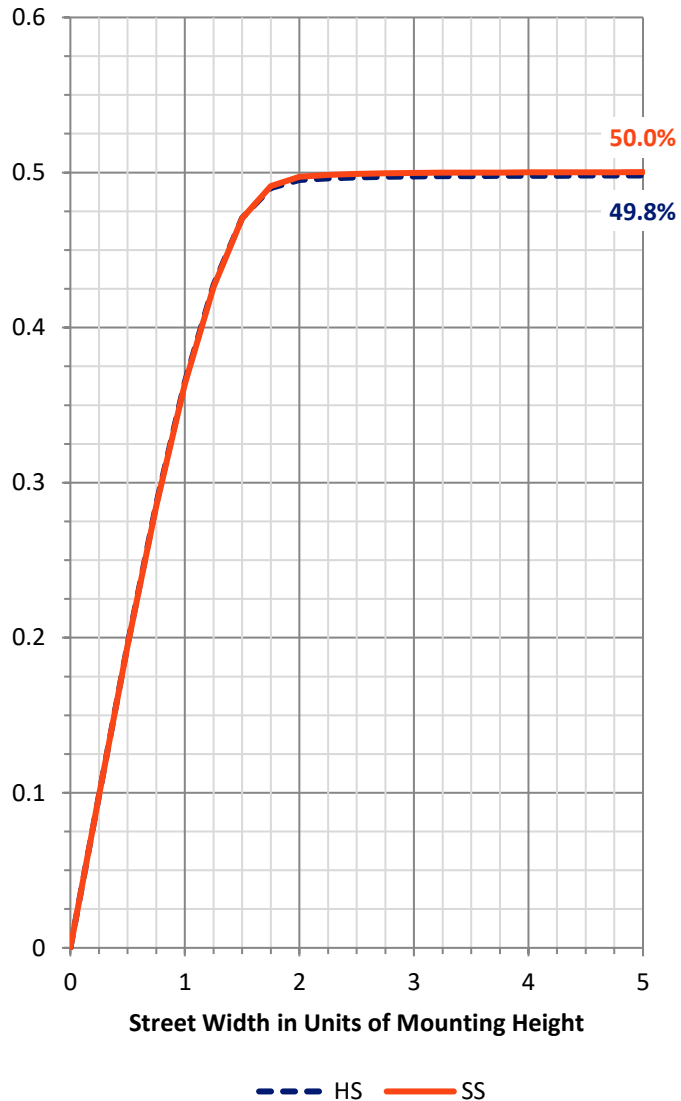
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14725.0	0.0	14725.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14725.0	0.0	14725.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29450.0	0.0	29450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.0	1.6
10°-20°	1415.9	4.8
20°-30°	2564.0	8.7
30°-40°	4754.7	16.1
40°-50°	7804.4	26.5
50°-60°	10054.4	34.1
60°-70°	2215.9	7.5
70°-80°	128.6	0.4
80°-90°	27.1	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°	29450.0	100.0
0°-180°	29450.0	100.0

Coefficient of Utilization



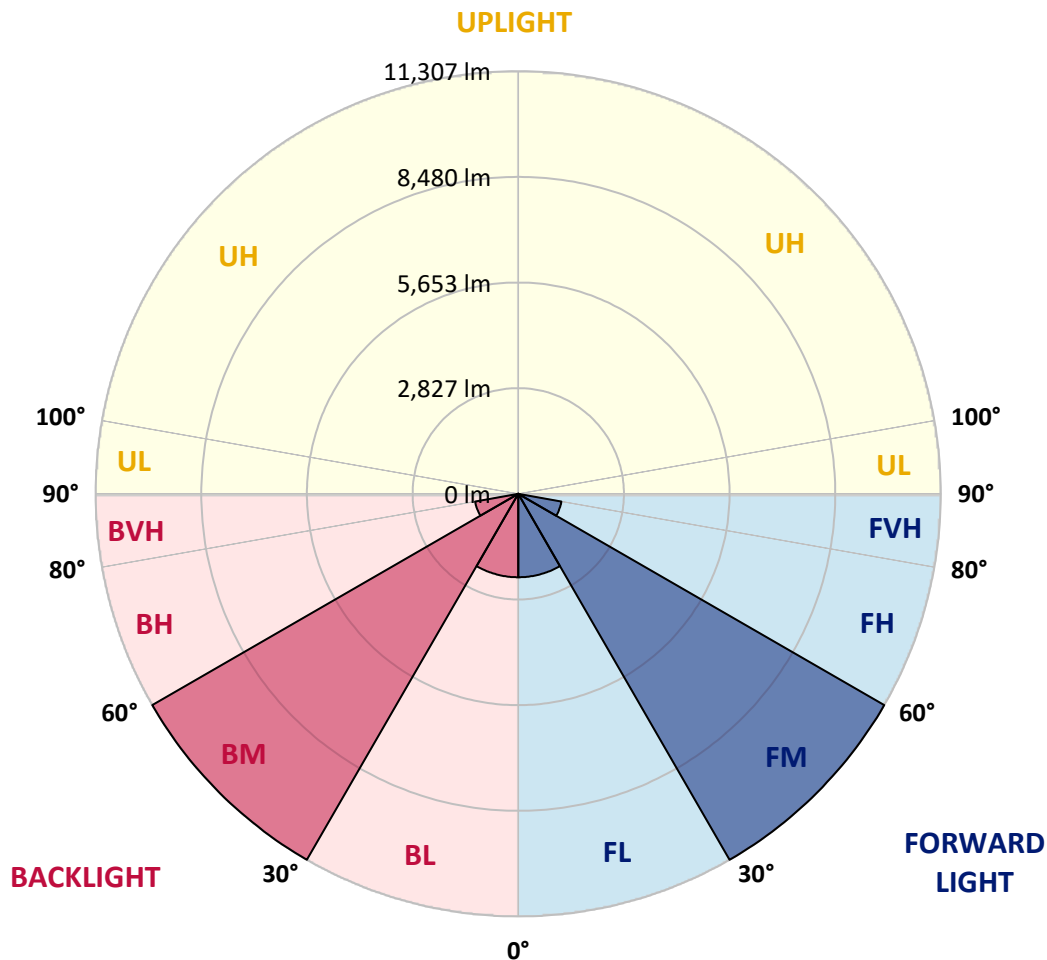
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2232.5	7.6			
FM (30°-60°)	11306.8	38.4			
FH (60°-80°)	1172.2	4.0			G1/1800
FVH (80°-90°)	13.5	0.0			G1/100
BL (0°-30°)	2232.5	7.6	B3/2500		
BM (30°-60°)	11306.8	38.4	B5		
BH (60°-80°)	1172.2	4.0	B3/2500		G1/1800
BVH (80°-90°)	13.5	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°	5160.3	5160.3	5160.3	5160.3	5160.3	5160.3	5160.3	5160.3	5160.3	5160.3	5160.3
2.5°	5170.9	5170.9	5176.3	5181.6	5144.3	5128.3	5133.6	5122.9	5117.6	5133.6	5133.6
5°	5154.9	5154.9	5138.9	5144.3	5144.3	5096.2	5096.2	5106.9	5106.9	5074.9	5064.2
7.5°	5112.2	5101.6	5080.2	5106.9	5090.9	5090.9	5053.5	5026.9	5016.2	5037.5	5016.2
10°	5021.5	5026.9	5048.2	5058.9	5048.2	5080.2	5016.2	4978.8	4941.5	4925.5	4925.5
12.5°	4978.8	5010.9	4978.8	5005.5	5042.9	5016.2	4978.8	4952.2	4898.8	4877.4	4877.4
15°	4973.5	4994.8	5005.5	5042.9	5026.9	5037.5	4962.8	4930.8	4850.8	4813.4	4797.4
17.5°	4968.2	4994.8	5010.9	5080.2	5090.9	5096.2	5037.5	4941.5	4872.1	4834.8	4797.4
20°	5026.9	5037.5	5069.6	5138.9	5181.6	5256.3	5149.6	5048.2	4898.8	4856.1	4840.1
22.5°	5101.6	5154.9	5187.0	5261.7	5373.7	5437.8	5299.0	5170.9	5016.2	4962.8	4898.8
25°	5341.7	5331.0	5384.4	5539.2	5629.9	5677.9	5565.8	5379.1	5176.3	5112.2	5122.9
27.5°	5640.5	5651.2	5699.2	5870.0	6003.4	6078.1	5944.7	5699.2	5501.8	5395.1	5384.4
30°	6030.1	6019.4	6072.8	6302.3	6542.4	6654.5	6419.7	6131.5	5939.4	5800.6	5832.7
32.5°	6441.0	6446.3	6595.8	6803.9	7193.4	7412.2	7033.3	6681.1	6393.0	6296.9	6248.9
35°	7049.3	7076.0	7193.4	7513.6	7945.9	8228.7	7812.5	7390.9	7060.0	6883.9	6905.3
37.5°	7801.8	7775.1	7972.5	8319.4	8773.0	8981.1	8628.9	8148.6	7812.5	7695.1	7769.8
40°	8602.2	8628.9	8730.3	9045.2	9552.1	9690.9	9167.9	8906.4	8612.9	8554.2	8644.9
42.5°	9402.7	9386.7	9461.4	9744.2	10112.4	10016.4	9706.9	9552.1	9344.0	9226.6	9349.3
45°	9989.7	9963.0	10101.8	10293.9	10427.3	10245.8	10107.1	10053.7	9947.0	9818.9	9931.0
47.5°	10560.7	10539.3	10672.7	10726.1	10736.8	10496.6	10523.3	10619.4	10352.6	10085.7	10213.8
50°	11046.3	11008.9	11174.4	11291.8	11265.1	10880.9	10976.9	10880.9	10464.6	10149.8	10101.8
52.5°	11857.4	11873.4	12049.5	12263.0	12199.0	11878.8	11740.0	11302.4	10768.8	10486.0	10320.5
55°	12369.7	12289.7	12593.8	13271.6	13346.3	13015.4	12401.7	11756.0	10955.6	10608.7	10566.0
56°	11889.4	11990.8	12471.1	13228.9	13613.1	13308.9	12417.7	11644.0	10763.5	10293.9	10261.8
57.5°	10667.4	10614.0	11265.1	12300.3	13346.3	13218.2	11980.2	10843.5	9818.9	9290.6	9226.6
60°	6638.4	6793.2	7364.2	8644.9	10043.1	10107.1	8879.7	7903.2	6707.8	6238.2	6350.3
62.5°	2598.8	2465.4	2822.9	3778.2	4738.7	4952.2	4487.9	3730.1	3063.1	2598.8	2566.8
65°	603.0	587.0	661.7	912.5	1275.4	1478.2	1403.5	1008.6	741.8	704.4	651.0
67.5°	341.5	341.5	325.5	325.5	357.5	378.9	362.9	357.5	373.5	389.6	384.2
70°	240.1	234.8	224.1	229.5	218.8	218.8	234.8	261.5	282.8	282.8	288.2
72.5°	144.1	144.1	144.1	160.1	160.1	160.1	176.1	197.4	202.8	197.4	192.1
75°	64.0	64.0	74.7	90.7	101.4	106.7	122.7	133.4	144.1	133.4	122.7
77.5°	16.0	16.0	26.7	37.4	48.0	58.7	80.0	96.1	101.4	96.1	80.0
80°	5.3	5.3	10.7	26.7	48.0	58.7	80.0	85.4	90.7	80.0	64.0
82.5°	5.3	5.3	10.7	26.7	37.4	48.0	64.0	74.7	80.0	69.4	64.0
85°	0.0	5.3	10.7	21.3	32.0	42.7	42.7	32.0	26.7	16.0	21.3
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)