

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: P531993

Luminaire Tested: **GALN-SA7B-750-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-750-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27227 lumens
Efficiency: N/A
Efficacy: 95.2 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

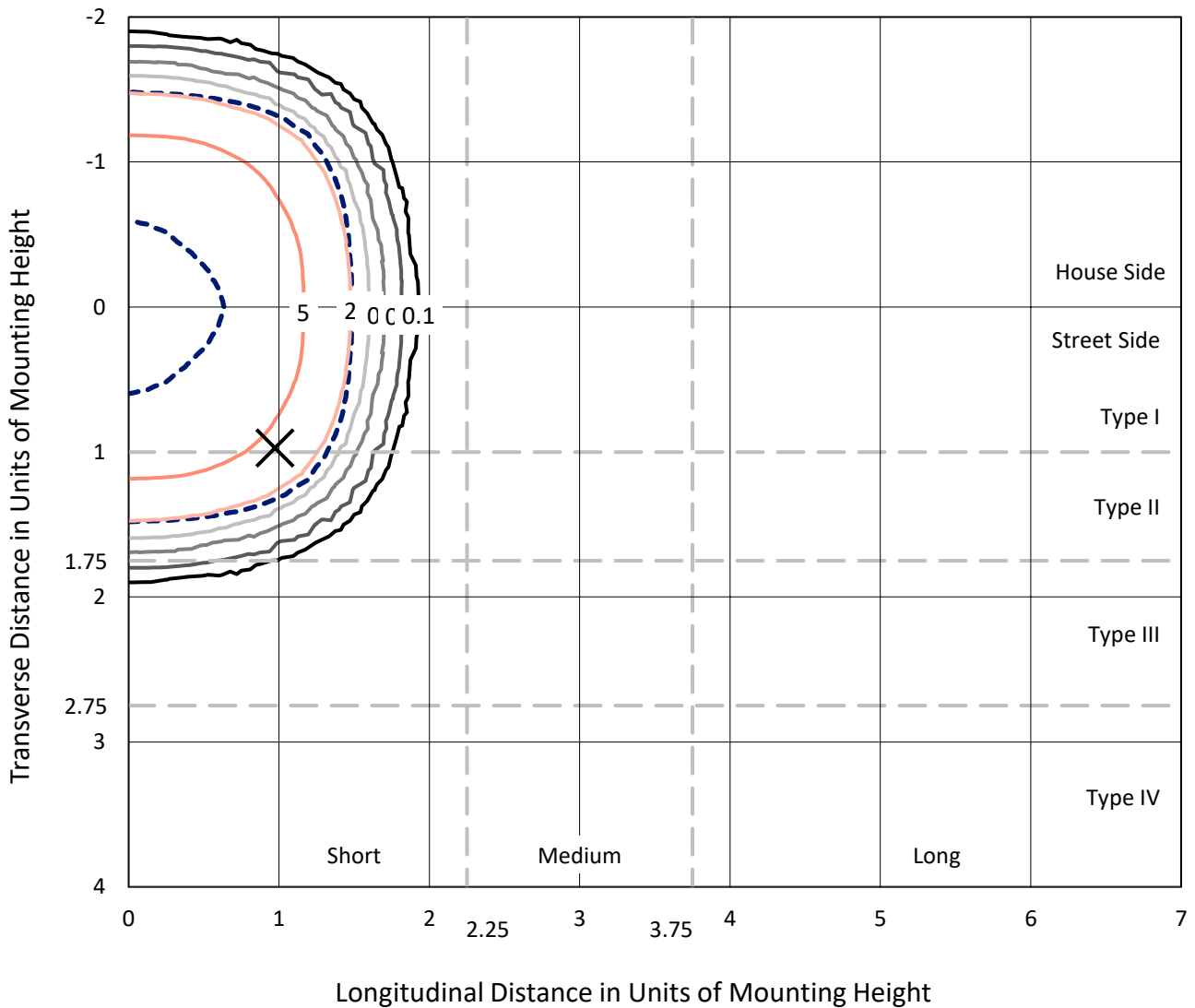
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

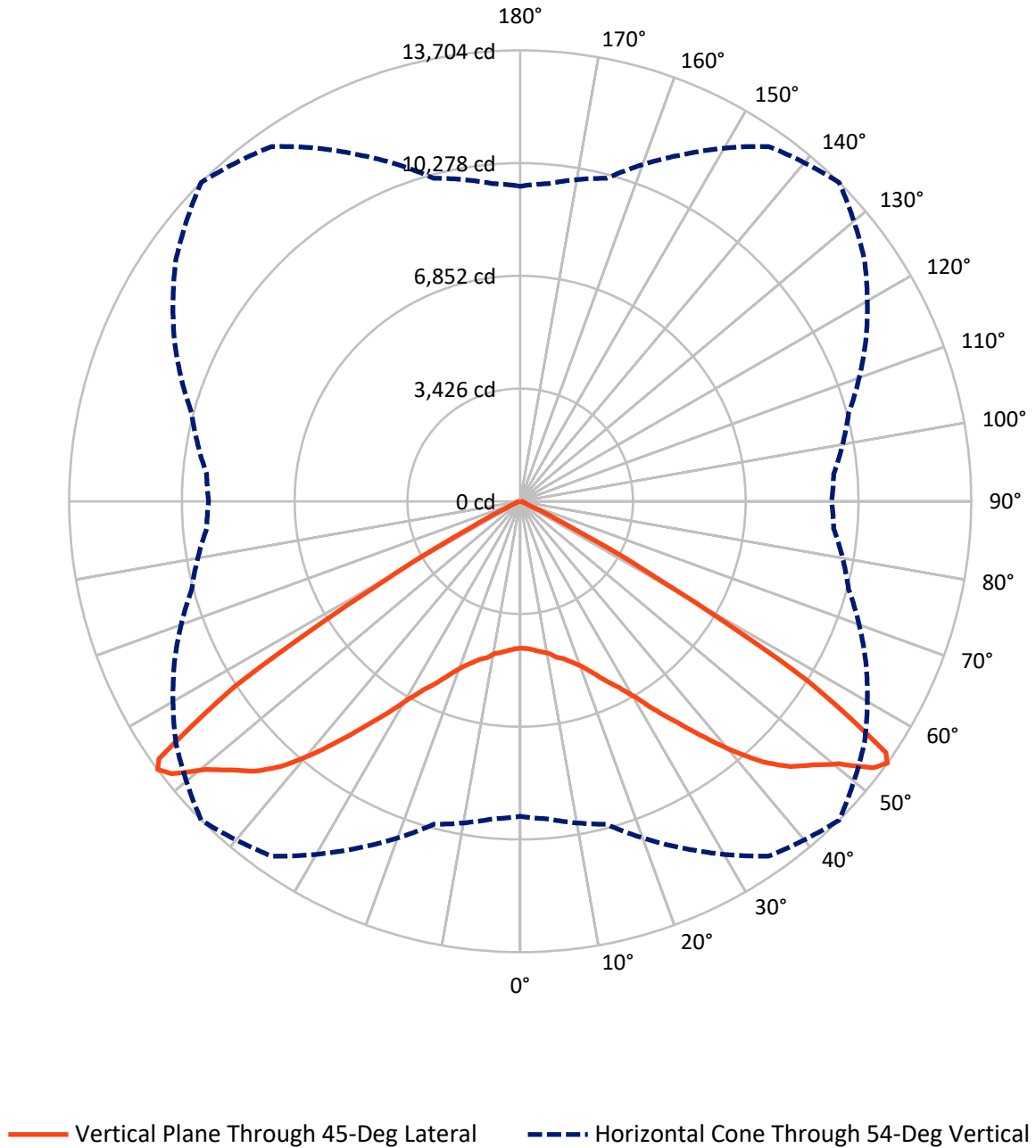
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13613.5	0.0	13613.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13613.5	0.0	13613.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27227.0	0.0	27227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.0	1.6
10°-20°	1415.0	5.2
20°-30°	2773.4	10.2
30°-40°	4987.1	18.3
40°-50°	8537.0	31.4
50°-60°	8260.3	30.3
60°-70°	707.1	2.6
70°-80°	83.8	0.3
80°-90°	26.3	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°	27227.0	100.0
0°-180°	27227.0	100.0

Coefficient of Utilization



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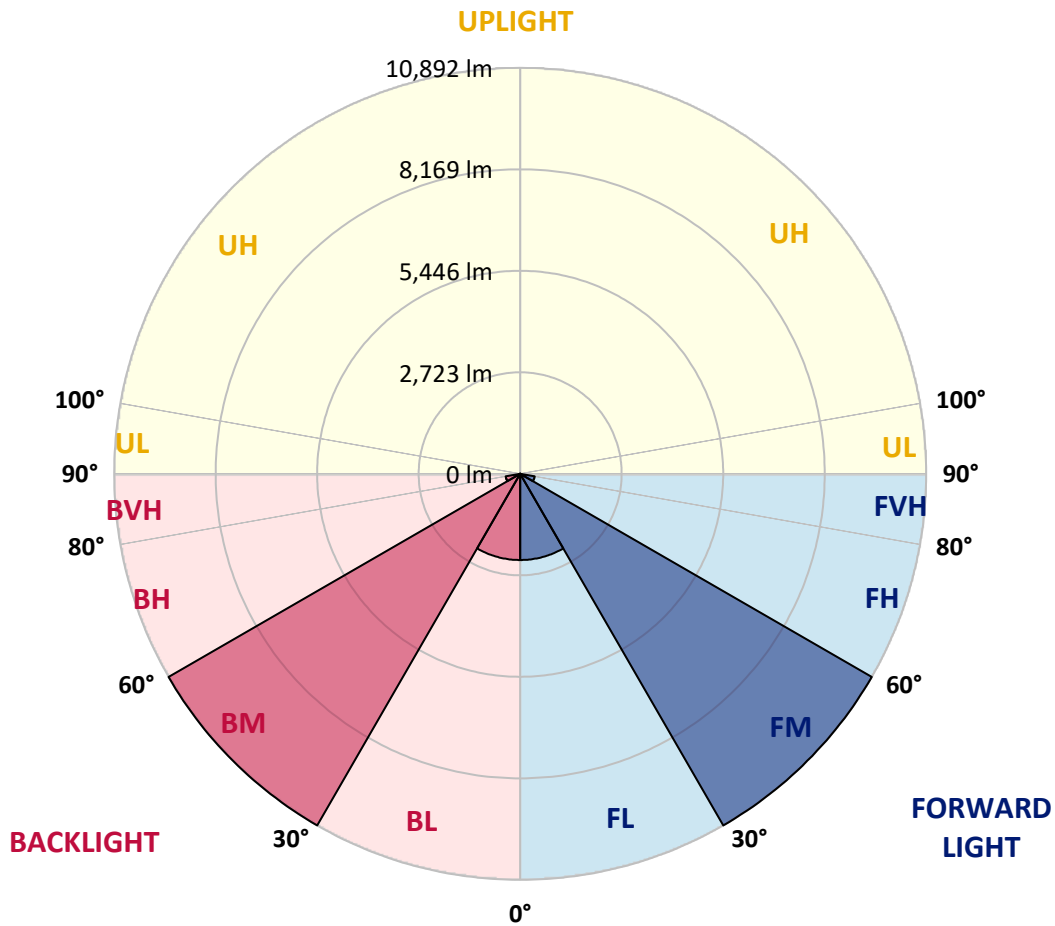
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2312.7	8.5			
FM (30°-60°)	10892.2	40.0			
FH (60°-80°)	395.5	1.5			G0/660
FVH (80°-90°)	13.1	0.0			G1/100
BL (0°-30°)	2312.7	8.5	B3/2500		
BM (30°-60°)	10892.2	40.0	B5		
BH (60°-80°)	395.5	1.5	B1/500		G0/660
BVH (80°-90°)	13.1	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°	4464.4	4464.4	4464.4	4464.4	4464.4	4464.4	4464.4	4464.4	4464.4	4464.4	4464.4
2.5°	4485.9	4511.8	4494.6	4507.5	4507.5	4485.9	4498.9	4447.1	4481.6	4455.8	4460.1
5°	4555.0	4550.6	4550.6	4555.0	4537.7	4546.3	4529.1	4511.8	4498.9	4481.6	4533.4
7.5°	4641.2	4641.2	4611.0	4619.7	4611.0	4624.0	4589.5	4555.0	4542.0	4529.1	4520.5
10°	4723.2	4714.6	4701.6	4740.4	4710.2	4693.0	4675.7	4654.2	4606.7	4589.5	4572.2
12.5°	4844.0	4839.6	4822.4	4861.2	4844.0	4861.2	4796.5	4740.4	4731.8	4675.7	4705.9
15°	4986.3	5025.1	4994.9	4994.9	4986.3	4964.7	4938.9	4913.0	4835.3	4813.8	4818.1
17.5°	5171.8	5158.8	5163.2	5163.2	5206.3	5150.2	5098.5	5033.7	4994.9	4982.0	4938.9
20°	5348.6	5365.9	5361.6	5391.8	5417.6	5357.3	5301.2	5292.6	5184.7	5202.0	5141.6
22.5°	5659.2	5646.3	5667.8	5689.4	5672.1	5663.5	5611.7	5547.0	5452.2	5409.0	5400.4
25°	5987.0	5965.4	5926.6	5978.4	6004.3	6043.1	5943.9	5909.4	5762.7	5698.0	5702.3
27.5°	6267.4	6297.6	6340.7	6362.3	6427.0	6414.0	6345.0	6232.9	6120.7	6047.4	6000.0
30°	6651.3	6668.5	6741.9	6772.1	6884.2	6914.4	6806.6	6677.2	6478.7	6383.8	6327.8
32.5°	7005.0	7125.8	7121.4	7272.4	7453.6	7578.7	7384.6	7186.1	6987.7	6875.6	6776.4
35°	7578.7	7557.1	7682.2	7841.8	8135.1	8277.4	8066.1	7837.5	7535.5	7354.4	7276.7
37.5°	8113.5	8122.2	8290.4	8544.9	8881.3	9101.3	8915.8	8540.6	8230.0	7997.1	7889.2
40°	8889.9	8907.2	9079.7	9368.7	9748.3	9985.5	9769.9	9390.3	8976.2	8795.0	8795.0
42.5°	9800.1	9873.4	9985.5	10235.7	10576.5	10839.6	10645.5	10347.9	9929.5	9696.5	9731.1
45°	10736.1	10770.6	10843.9	11214.9	11374.5	11503.9	11322.7	11184.7	10904.3	10619.6	10572.2
47.5°	11611.7	11624.6	11840.3	11956.8	12081.9	11974.0	12090.5	11909.3	11594.4	11318.4	11262.3
50°	11999.9	11978.3	12284.6	12638.3	12733.2	12543.4	12444.2	12323.4	11844.6	11512.5	11365.8
52.5°	10869.8	10994.9	11564.3	12547.7	13289.6	13449.2	12871.2	12314.8	11421.9	10774.9	10675.7
54°	9575.8	9692.2	10162.4	11620.3	13164.5	13703.7	12772.0	11590.1	10330.6	9562.8	9463.6
55°	8294.7	8165.3	9019.3	10507.5	12577.9	13479.4	12379.5	10654.1	9213.4	8510.4	8372.3
57.5°	4490.3	4511.8	5232.2	6638.3	8838.2	10334.9	9127.2	7207.7	5443.5	4654.2	4585.2
60°	1423.4	1457.9	1772.8	2682.9	4222.8	5042.4	4322.0	2894.3	2001.4	1604.6	1539.9
62.5°	444.3	461.5	504.7	750.5	1156.0	1652.0	1294.0	776.4	578.0	530.5	539.2
65°	271.7	271.7	276.1	293.3	345.1	401.1	388.2	340.8	327.8	319.2	314.9
67.5°	176.8	172.5	181.2	194.1	202.7	207.0	220.0	232.9	228.6	220.0	220.0
70°	107.8	103.5	112.1	129.4	133.7	142.3	155.3	172.5	168.2	159.6	163.9
72.5°	60.4	60.4	64.7	77.6	90.6	99.2	112.1	125.1	129.4	125.1	125.1
75°	21.6	25.9	34.5	47.4	56.1	69.0	82.0	94.9	107.8	99.2	94.9
77.5°	8.6	8.6	17.3	30.2	43.1	56.1	77.6	90.6	99.2	90.6	82.0
80°	4.3	4.3	12.9	25.9	38.8	51.8	64.7	77.6	82.0	73.3	64.7
82.5°	4.3	4.3	12.9	25.9	38.8	47.4	69.0	77.6	86.3	77.6	64.7
85°	0.0	4.3	12.9	25.9	34.5	38.8	38.8	25.9	21.6	12.9	12.9
87.5°	0.0	0.0	4.3	0.0	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)