

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: P531999

Luminaire Tested: **GALN-SA7B-750-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531999
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-SA7B-750-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 800mA 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: 25613 lumens
Efficiency: N/A
Efficacy: 89.6 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

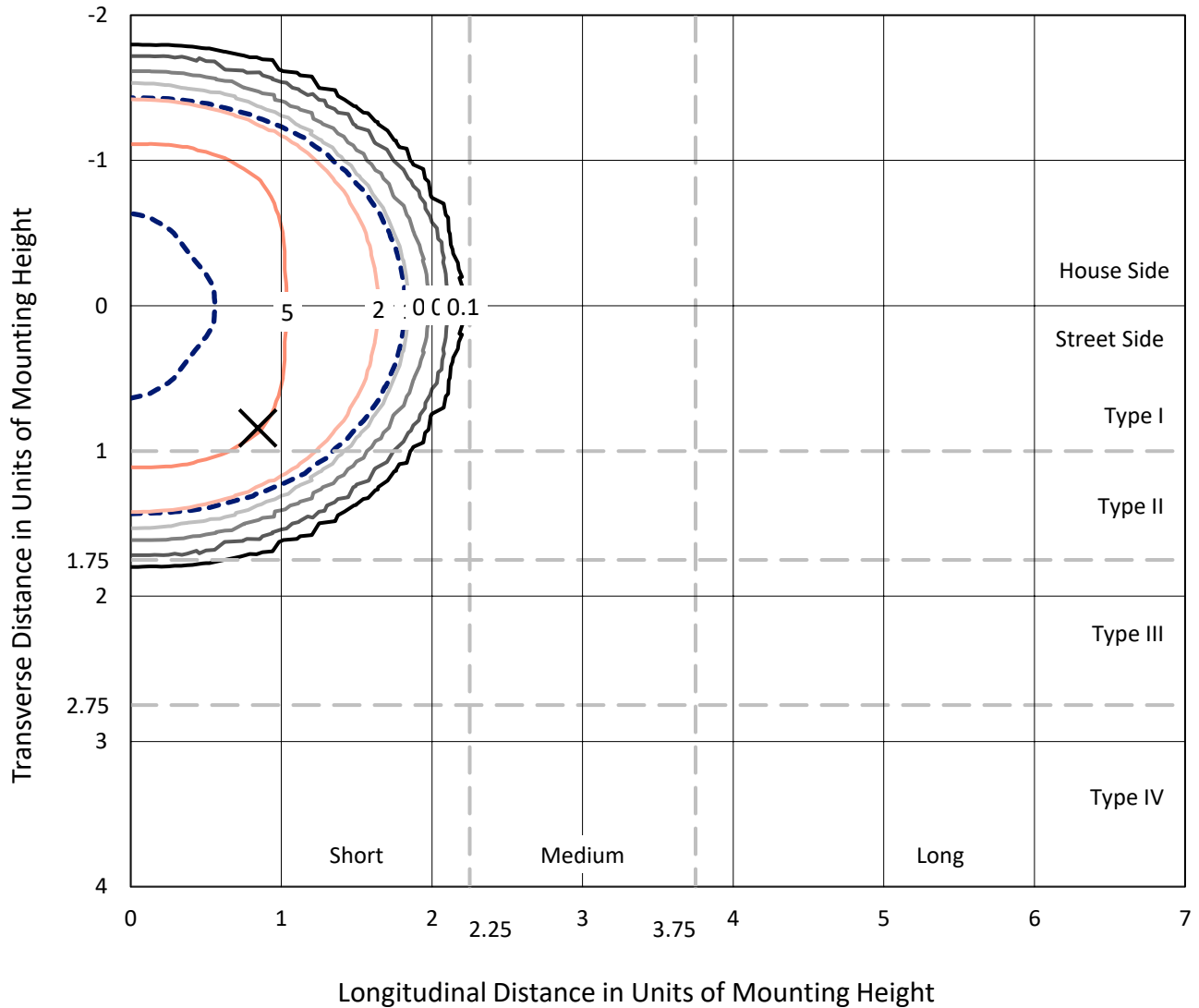
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

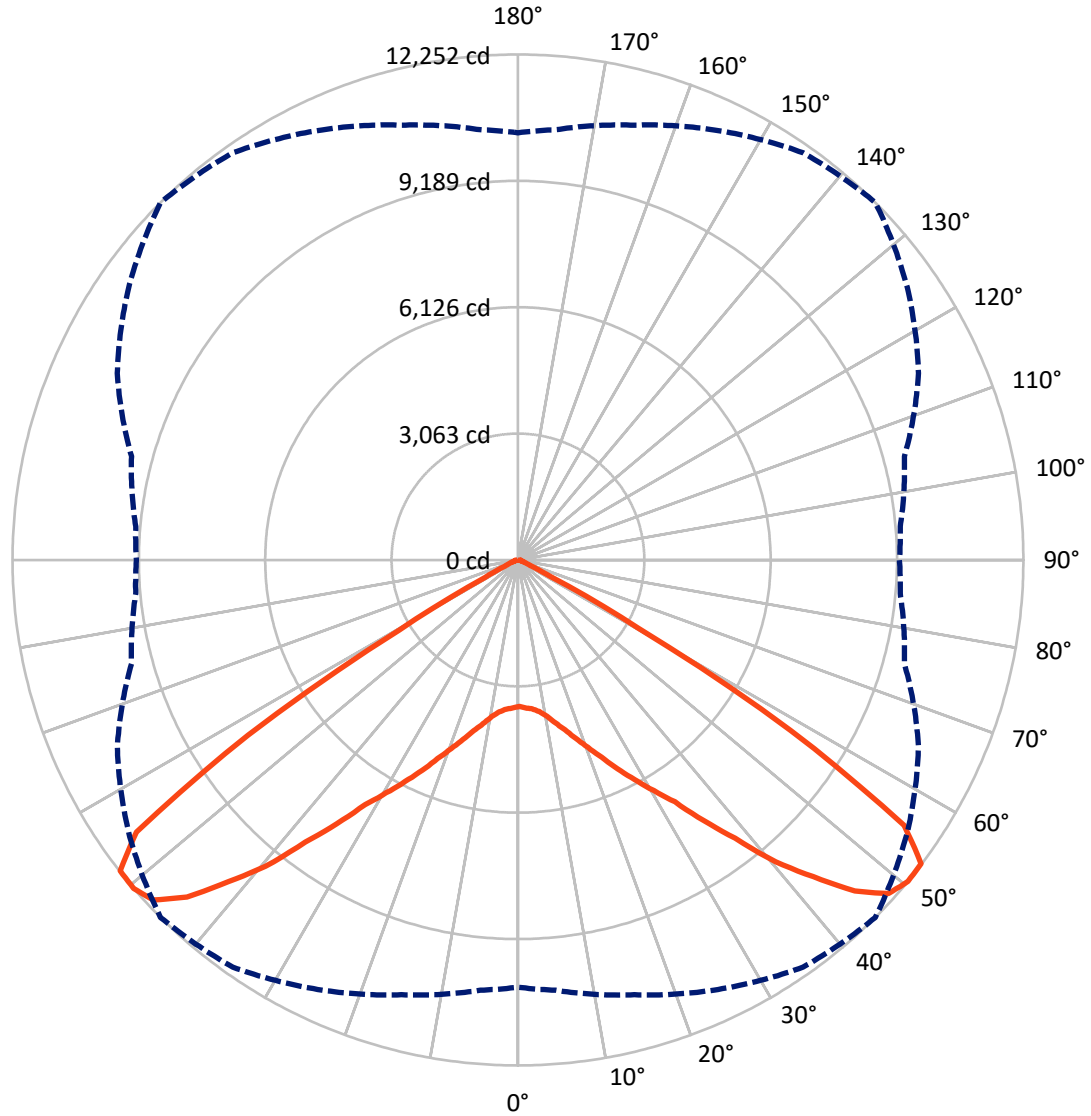
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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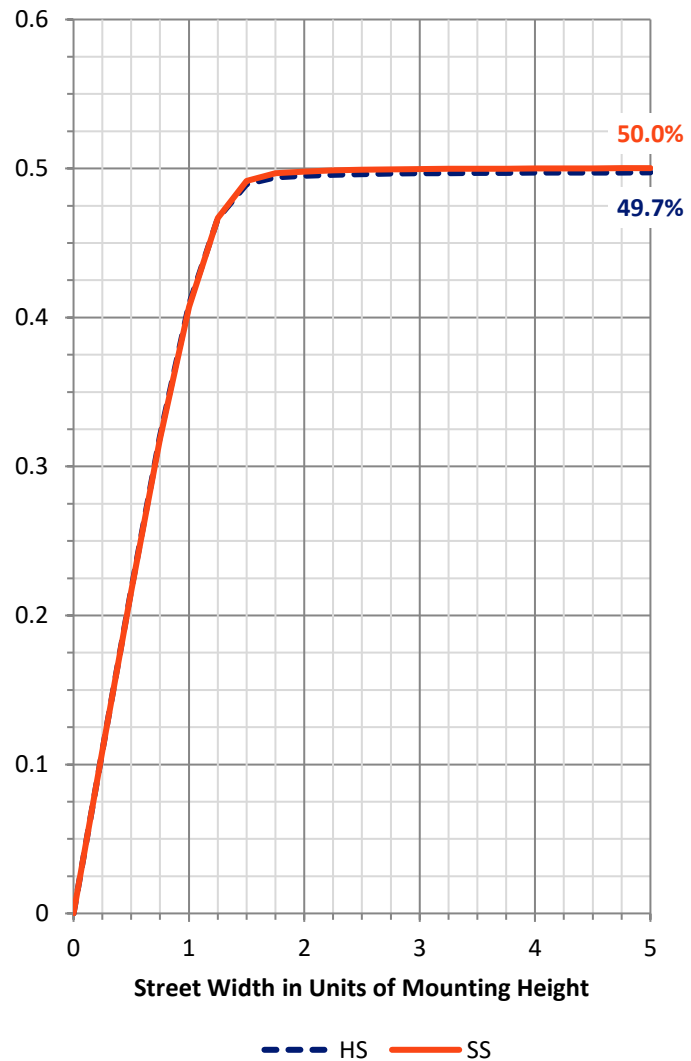
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12806.5	0.0	12806.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12806.5	0.0	12806.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25613.0	0.0	25613.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.3	1.4
10°-20°	1217.6	4.8
20°-30°	2486.7	9.7
30°-40°	4742.2	18.5
40°-50°	7991.3	31.2
50°-60°	7621.1	29.8
60°-70°	1063.9	4.2
70°-80°	101.7	0.4
80°-90°	35.2	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°	25613.0	100.0
0°-180°	25613.0	100.0

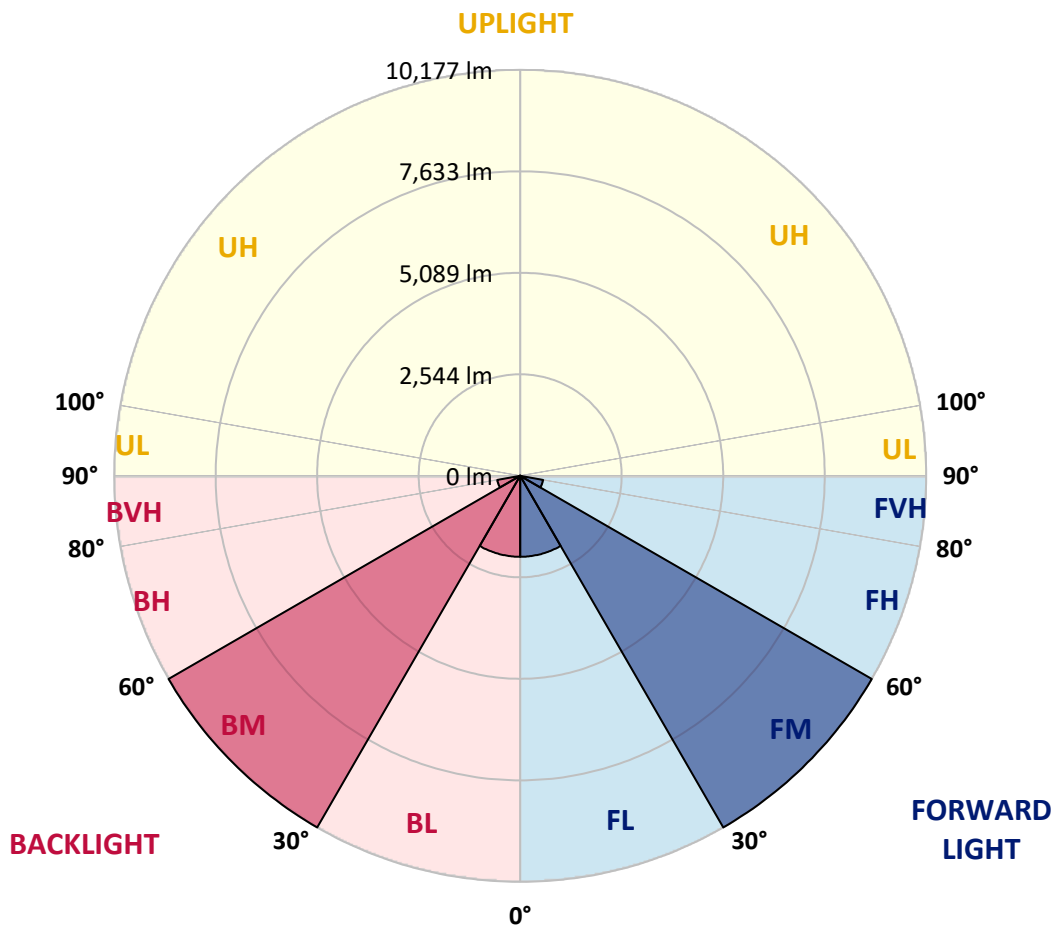


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2028.8	7.9			
FM (30°-60°)	10177.3	39.7			
FH (60°-80°)	582.8	2.3			G0/660
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	2028.8	7.9	B3/2500		
BM (30°-60°)	10177.3	39.7	B5		
BH (60°-80°)	582.8	2.3	B2/1000		G0/660
BVH (80°-90°)	17.6	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°	3551.0	3551.0	3551.0	3551.0	3551.0	3551.0	3551.0	3551.0	3551.0	3551.0	3551.0
2.5°	3538.0	3538.0	3533.7	3568.2	3551.0	3589.7	3585.4	3598.4	3611.3	3607.0	3641.5
5°	3507.9	3503.6	3503.6	3542.3	3581.1	3624.2	3663.0	3688.9	3732.0	3732.0	3775.1
7.5°	3538.0	3516.5	3546.7	3563.9	3637.1	3710.4	3775.1	3826.8	3925.9	3960.4	3947.4
10°	3546.7	3572.5	3594.1	3645.8	3736.3	3848.3	3904.3	4033.6	4145.7	4223.2	4240.5
12.5°	3602.7	3641.5	3701.8	3826.8	3908.6	4055.2	4132.7	4257.7	4412.8	4499.0	4559.4
15°	3710.4	3723.3	3800.9	3960.4	4137.0	4270.6	4391.3	4481.8	4632.6	4731.7	4736.1
17.5°	3848.3	3904.3	4012.1	4162.9	4348.2	4546.4	4641.2	4740.4	4796.4	4930.0	4960.1
20°	4124.1	4132.7	4236.2	4434.4	4667.1	4848.1	4917.0	4968.8	4947.2	5085.1	5111.0
22.5°	4382.7	4391.3	4520.6	4787.8	5037.7	5192.8	5223.0	5192.8	5128.2	5227.3	5235.9
25°	4645.6	4723.1	4817.9	5085.1	5395.4	5602.2	5606.6	5524.7	5391.1	5408.3	5451.4
27.5°	5054.9	5111.0	5210.1	5455.7	5796.2	6028.9	5990.1	5891.0	5718.6	5731.5	5718.6
30°	5533.3	5585.0	5666.9	5981.5	6231.4	6485.7	6541.7	6446.9	6188.3	6132.3	6196.9
32.5°	6110.8	6184.0	6334.8	6623.6	6834.7	6989.9	7028.7	6994.2	6752.9	6731.3	6774.4
35°	6813.2	6912.3	7050.2	7304.5	7476.8	7757.0	7757.0	7640.6	7420.8	7446.7	7442.4
37.5°	7554.4	7700.9	7916.4	8175.0	8407.7	8558.5	8511.1	8412.0	8192.2	8136.2	8192.2
40°	8485.2	8558.5	8830.0	9166.1	9450.6	9622.9	9420.4	9204.9	8679.2	8761.0	8911.9
42.5°	9334.2	9450.6	9657.4	10028.0	10351.2	10493.4	10252.1	9825.5	9192.0	9127.3	9239.4
45°	10058.2	10183.2	10454.6	10984.7	11325.2	11450.1	10915.8	10226.2	9502.3	9338.5	9385.9
47.5°	10540.8	10605.5	10984.7	11488.9	11799.2	12083.6	11316.5	10502.1	9648.8	9338.5	9321.3
50°	10355.5	10467.6	10911.4	11484.6	12049.1	12251.7	11519.1	10713.2	9696.2	9299.7	9248.0
52.5°	9196.3	9390.2	9885.8	10657.2	11510.5	12234.4	11799.2	10644.3	9679.0	9338.5	9416.1
55°	6399.5	6403.8	7007.1	8144.8	9653.1	11359.6	11389.8	10721.8	9791.0	9579.8	9584.1
57.5°	2572.7	2702.0	3163.1	4305.1	5697.1	7800.0	9273.9	9946.1	9803.9	9752.2	9885.8
60°	650.7	655.0	797.2	1215.3	2003.9	3344.1	4856.7	6571.9	7567.3	7907.8	7955.2
62.5°	331.8	336.1	370.6	430.9	547.3	896.4	1594.5	2529.6	3598.4	4141.4	4283.6
65°	271.5	271.5	293.0	323.2	327.5	344.8	413.7	590.4	857.6	973.9	986.9
67.5°	206.9	206.9	224.1	241.3	249.9	245.6	237.0	245.6	297.3	284.4	275.8
70°	129.3	133.6	142.2	159.4	168.1	172.4	176.7	185.3	211.2	219.8	211.2
72.5°	77.6	77.6	81.9	94.8	107.7	116.4	129.3	137.9	150.8	172.4	168.1
75°	34.5	34.5	43.1	56.0	69.0	81.9	94.8	107.7	116.4	129.3	133.6
77.5°	8.6	12.9	21.5	38.8	51.7	69.0	86.2	99.1	107.7	107.7	103.4
80°	4.3	4.3	17.2	30.2	56.0	73.3	94.8	103.4	116.4	107.7	94.8
82.5°	4.3	4.3	17.2	30.2	51.7	73.3	99.1	112.0	120.7	107.7	90.5
85°	0.0	4.3	12.9	25.9	43.1	51.7	43.1	30.2	17.2	17.2	12.9
87.5°	0.0	0.0	4.3	4.3	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)