

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: P532931

Luminaire Tested: **GALN-SA8B-750-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-750-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23968 lumens
Efficiency: N/A
Efficacy: 73.7 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

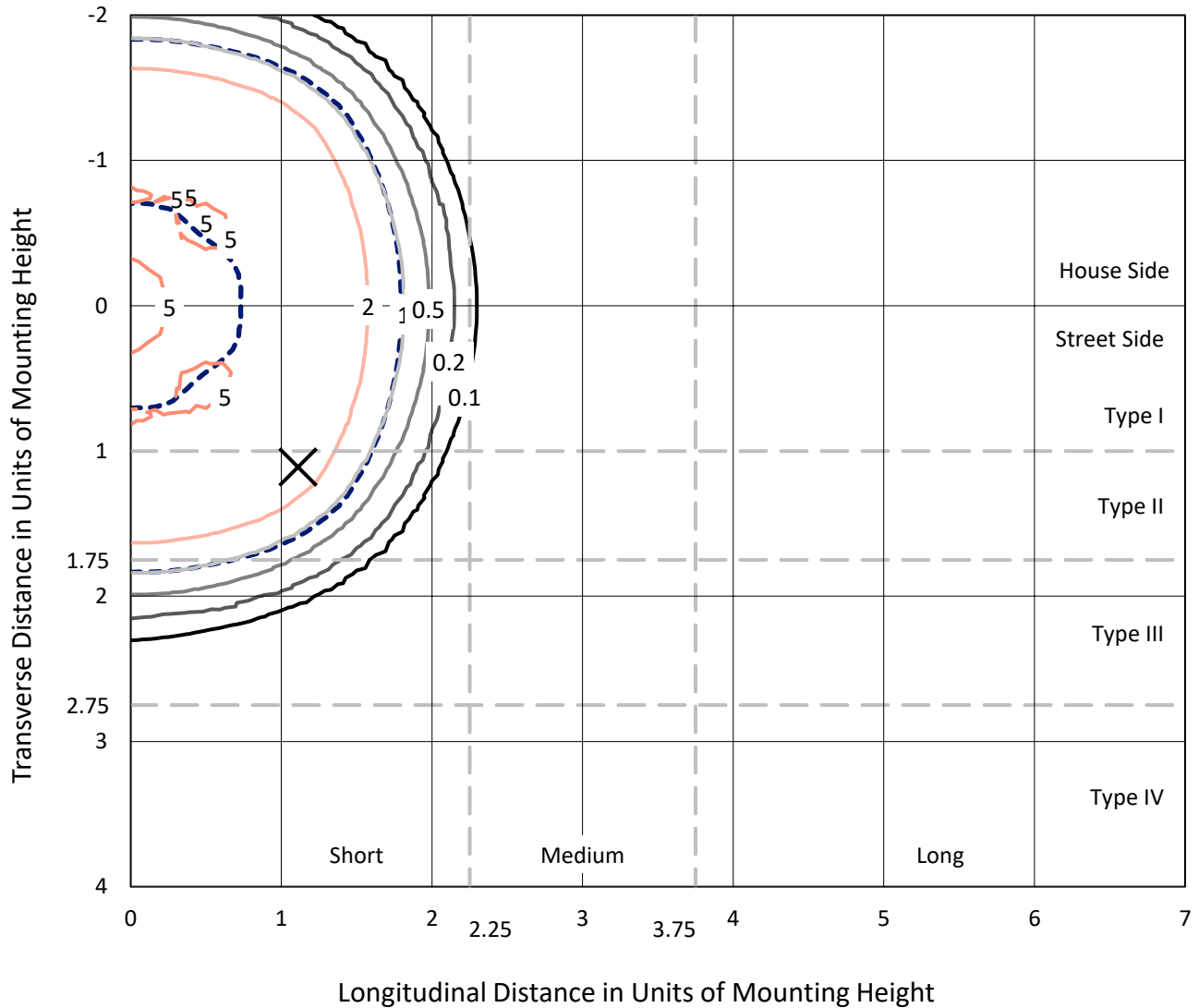
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

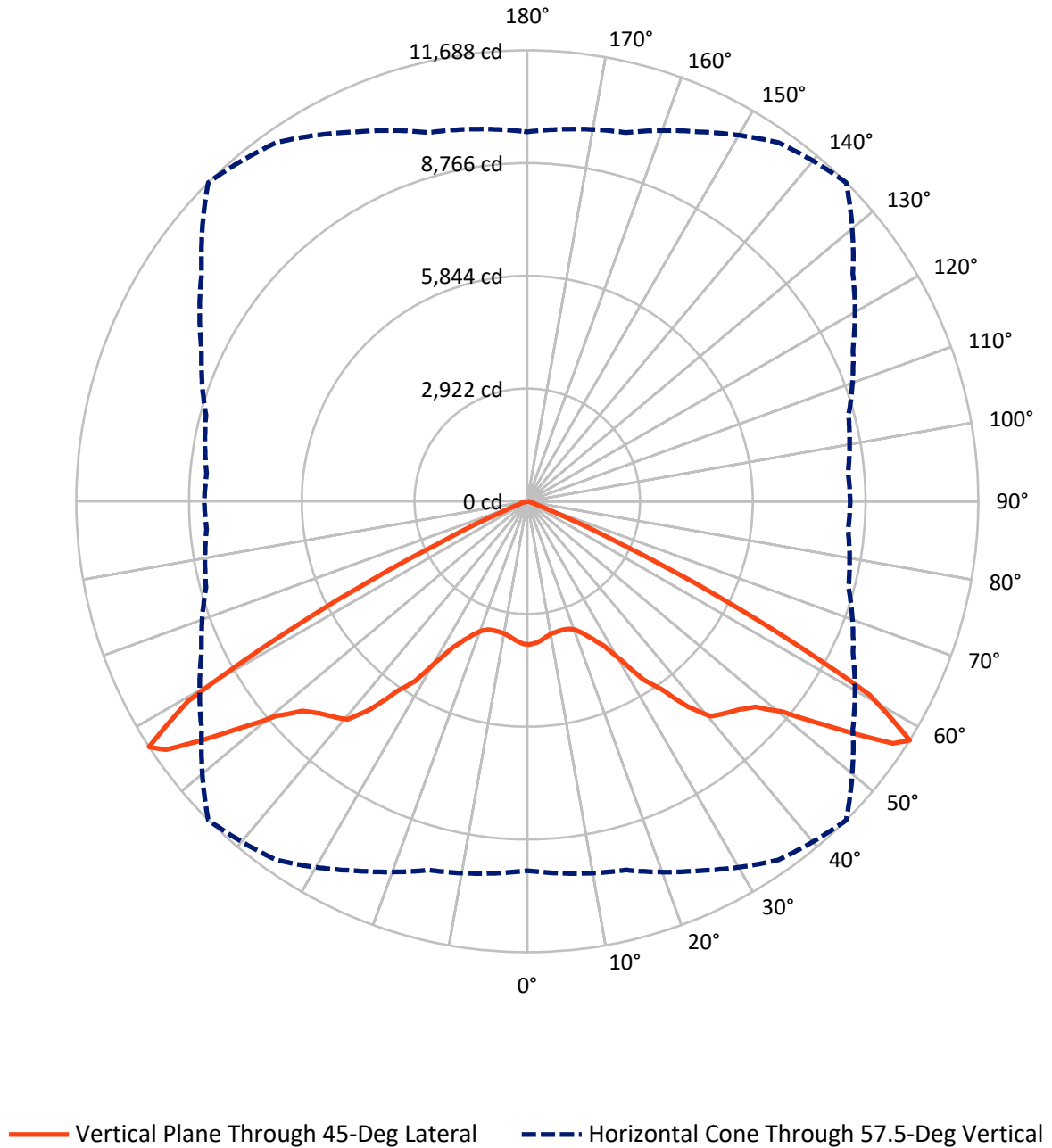
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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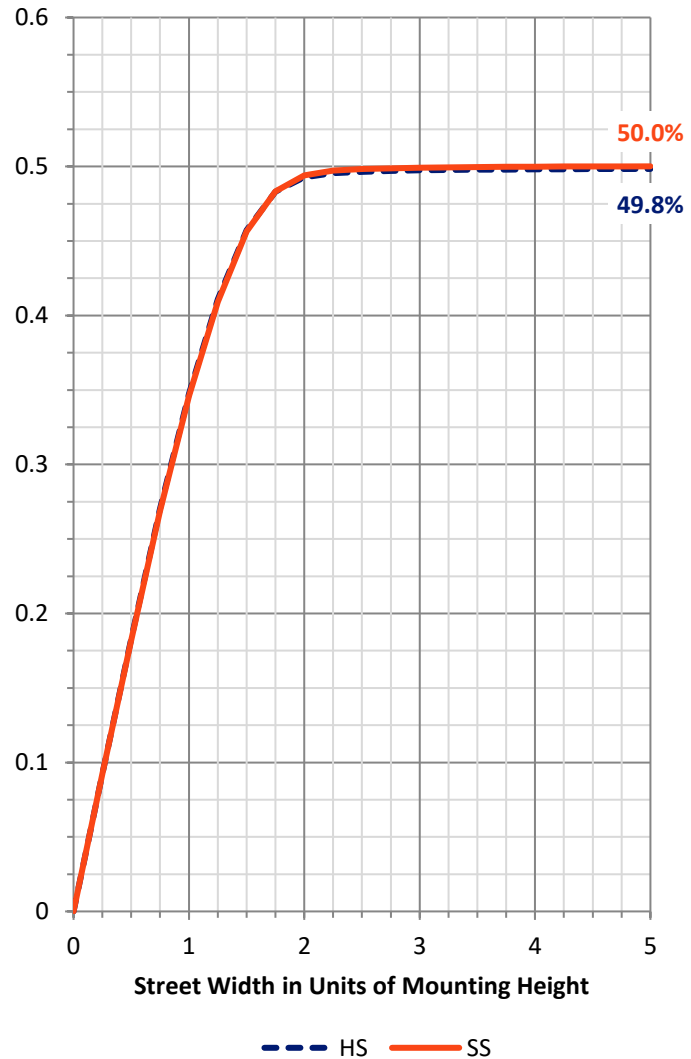
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11984.0	0.0	11984.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11984.0	0.0	11984.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23968.0	0.0	23968.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.6	1.4
10°-20°	987.5	4.1
20°-30°	1822.8	7.6
30°-40°	3584.7	15.0
40°-50°	5838.5	24.4
50°-60°	8326.4	34.7
60°-70°	2882.8	12.0
70°-80°	154.6	0.6
80°-90°	29.1	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°	23968.0	100.0
0°-180°	23968.0	100.0

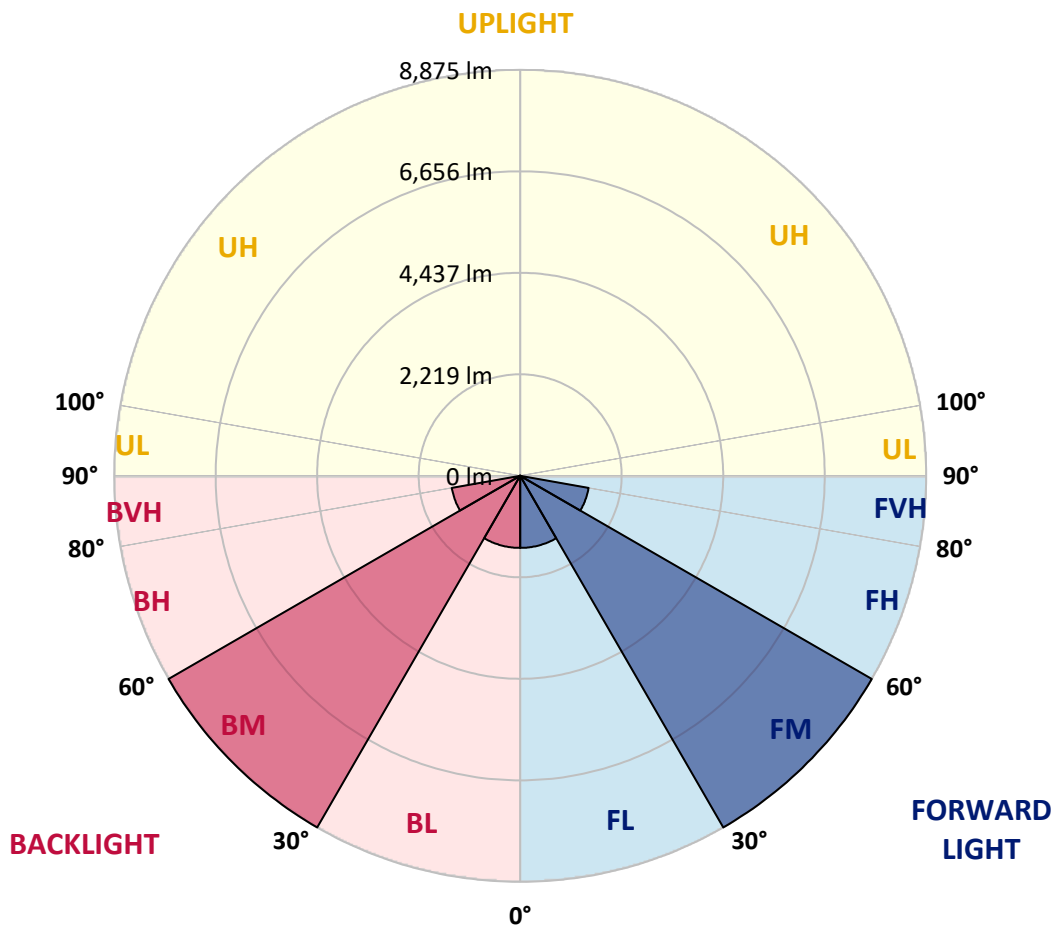


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1575.9	6.6			
FM (30°-60°)	8874.8	37.0			
FH (60°-80°)	1518.7	6.3			G1/1800
FVH (80°-90°)	14.5	0.1			G1/100
BL (0°-30°)	1575.9	6.6	B3/2500		
BM (30°-60°)	8874.8	37.0	B5		
BH (60°-80°)	1518.7	6.3	B3/2500		G1/1800
BVH (80°-90°)	14.5	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°	3717.7	3717.7	3717.7	3717.7	3717.7	3717.7	3717.7	3717.7	3717.7	3717.7	3717.7
2.5°	3707.7	3727.7	3702.7	3692.7	3687.7	3687.7	3672.7	3672.7	3667.7	3672.7	3652.7
5°	3647.7	3667.7	3667.7	3662.7	3632.7	3627.7	3612.8	3602.8	3607.8	3587.8	3602.8
7.5°	3587.8	3602.8	3582.8	3577.8	3567.8	3547.8	3542.8	3497.8	3502.8	3502.8	3512.8
10°	3577.8	3572.8	3542.8	3517.8	3487.8	3482.8	3467.8	3457.8	3457.8	3452.9	3467.8
12.5°	3577.8	3552.8	3547.8	3492.8	3442.9	3462.8	3422.9	3397.9	3432.9	3442.9	3462.8
15°	3572.8	3597.8	3512.8	3487.8	3452.9	3457.8	3422.9	3397.9	3417.9	3427.9	3442.9
17.5°	3602.8	3587.8	3562.8	3512.8	3497.8	3477.8	3432.9	3412.9	3412.9	3437.9	3442.9
20°	3682.7	3642.7	3592.8	3567.8	3582.8	3557.8	3502.8	3427.9	3447.9	3467.8	3482.8
22.5°	3757.7	3727.7	3692.7	3677.7	3762.7	3722.7	3627.7	3542.8	3512.8	3547.8	3572.8
25°	3902.6	3902.6	3837.6	3857.6	3952.5	3957.5	3847.6	3697.7	3677.7	3692.7	3702.7
27.5°	4197.4	4212.4	4157.4	4177.4	4217.4	4252.4	4157.4	4032.5	3987.5	3982.5	3997.5
30°	4517.2	4547.2	4542.2	4627.1	4742.1	4762.0	4622.1	4417.3	4282.3	4257.4	4277.3
32.5°	4936.9	4951.9	4941.9	5041.9	5351.7	5496.6	5131.8	4842.0	4662.1	4707.1	4662.1
35°	5726.4	5711.4	5601.5	5621.5	5876.3	5981.3	5631.5	5446.6	5361.7	5451.6	5431.6
37.5°	6406.0	6351.1	6261.1	6391.0	6655.9	6750.8	6386.0	6061.2	5906.3	6056.2	6121.2
40°	6980.7	6840.7	6715.8	6845.7	7200.5	7330.4	6795.8	6530.9	6471.0	6580.9	6720.8
42.5°	7465.4	7375.4	7210.5	7220.5	7455.4	7515.3	7085.6	6930.7	6870.7	7045.6	7115.6
45°	7810.1	7725.2	7570.3	7560.3	7740.2	7700.2	7315.5	7210.5	7245.5	7360.4	7395.4
47.5°	7985.0	8030.0	7940.1	7965.0	8060.0	7965.0	7660.2	7660.2	7580.3	7650.2	7615.3
50°	8489.7	8349.8	8464.7	8464.7	8564.7	8574.7	8269.9	8159.9	7945.1	7825.1	7825.1
52.5°	9079.4	9089.3	9134.3	9299.2	9469.1	9614.0	9179.3	8709.6	8349.8	8194.9	8174.9
55°	9564.1	9664.0	9843.9	10153.7	10643.4	10843.3	10093.7	9254.2	8814.5	8574.7	8524.7
56°	9828.9	9733.9	10043.8	10468.5	11108.1	11367.9	10243.6	9364.2	8879.5	8609.6	8604.6
57.5°	9574.0	9679.0	9893.8	10563.4	11347.9	11687.7	10298.6	9314.2	8619.6	8344.8	8369.8
60°	7560.3	7660.2	7950.1	8699.6	9928.8	10193.7	8714.6	7680.2	7060.6	6665.9	6670.9
62.5°	4277.3	4352.3	4577.2	5271.7	6036.2	6291.1	5431.6	4742.1	4312.3	4092.5	4022.5
65°	1574.0	1544.0	1579.0	1933.8	2403.5	2618.4	2258.6	1908.8	1684.0	1604.0	1574.0
67.5°	589.6	544.7	509.7	544.7	684.6	724.5	664.6	554.7	519.7	534.7	544.7
70°	364.8	344.8	274.8	259.8	254.8	249.8	264.8	279.8	319.8	374.8	384.8
72.5°	254.8	239.9	194.9	184.9	174.9	169.9	194.9	214.9	249.8	289.8	294.8
75°	99.9	104.9	99.9	109.9	114.9	119.9	139.9	154.9	169.9	169.9	164.9
77.5°	20.0	20.0	30.0	40.0	50.0	65.0	94.9	109.9	114.9	109.9	94.9
80°	0.0	0.0	10.0	20.0	40.0	55.0	84.9	94.9	104.9	94.9	75.0
82.5°	0.0	0.0	10.0	25.0	40.0	50.0	80.0	99.9	114.9	104.9	80.0
85°	0.0	0.0	10.0	20.0	30.0	35.0	35.0	25.0	25.0	15.0	10.0
87.5°	0.0	0.0	0.0	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)