

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: P533013

Luminaire Tested: **GALN-SA8B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533013
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-SA8B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 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: 23596 lumens
Efficiency: N/A
Efficacy: 72.6 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): 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



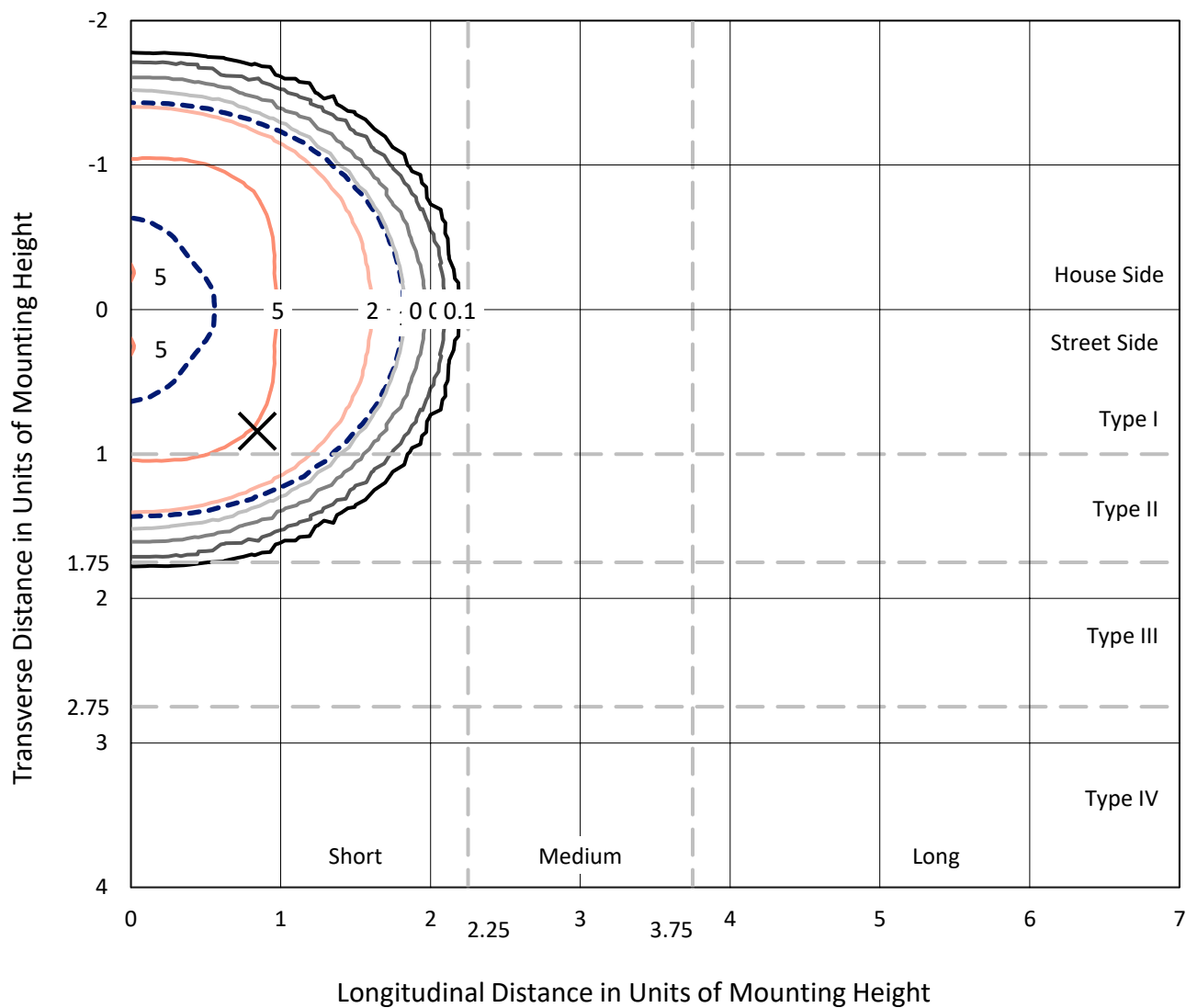
REPORT NUMBER: P533013

CATALOG NUMBER: GALN-SA8B-830-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

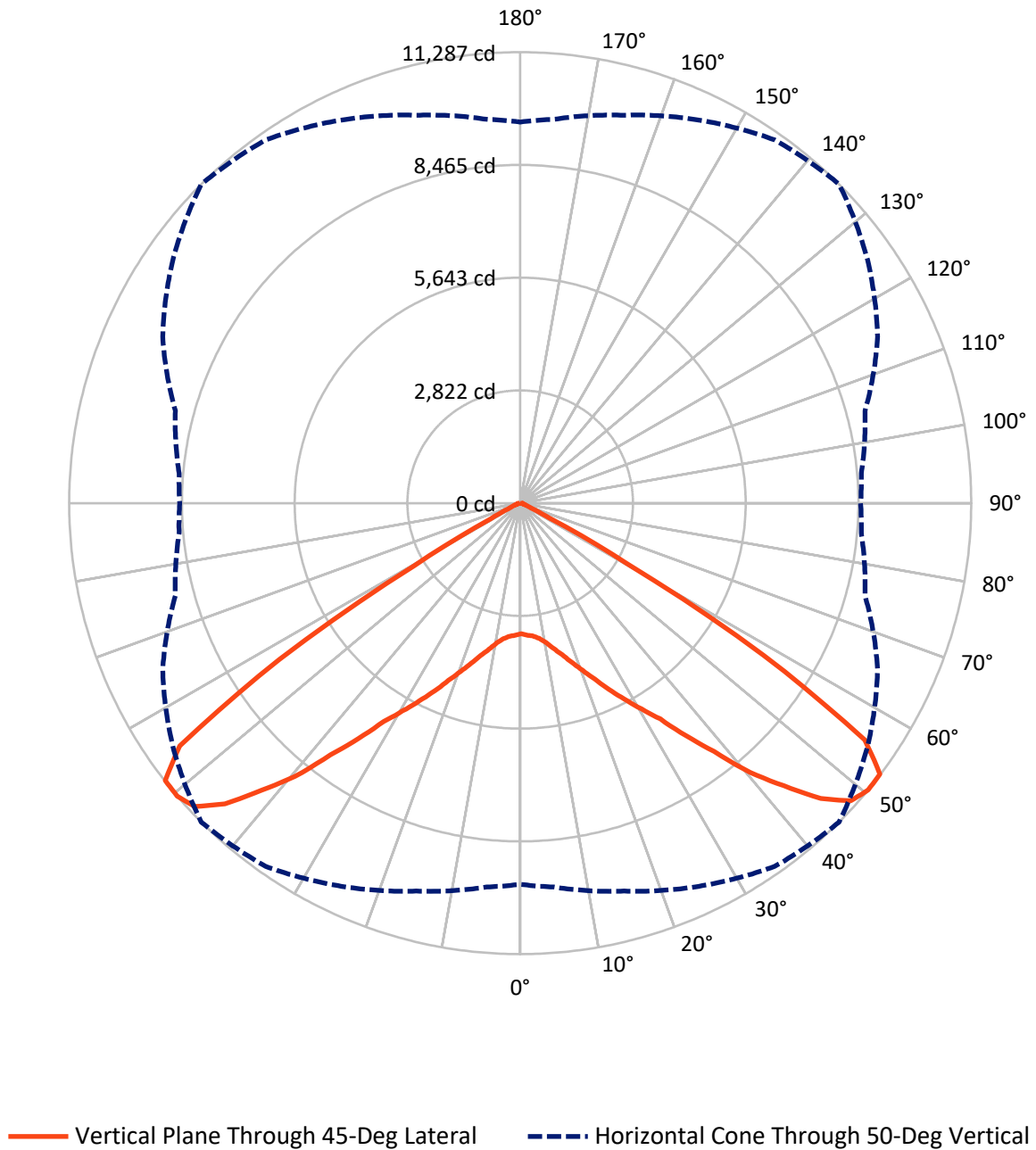


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

REPORT NUMBER: P533013

CATALOG NUMBER: GALN-SA8B-830-U-RW-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P533013

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11798.0	0.0	11798.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11798.0	0.0	11798.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23596.0	0.0	23596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.4	1.4
10°-20°	1121.7	4.8
20°-30°	2290.9	9.7
30°-40°	4368.8	18.5
40°-50°	7362.0	31.2
50°-60°	7021.0	29.8
60°-70°	980.1	4.2
70°-80°	93.7	0.4
80°-90°	32.4	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°	23596.0	100.0
0°-180°	23596.0	100.0

Coefficient of Utilization



REPORT NUMBER: P533013

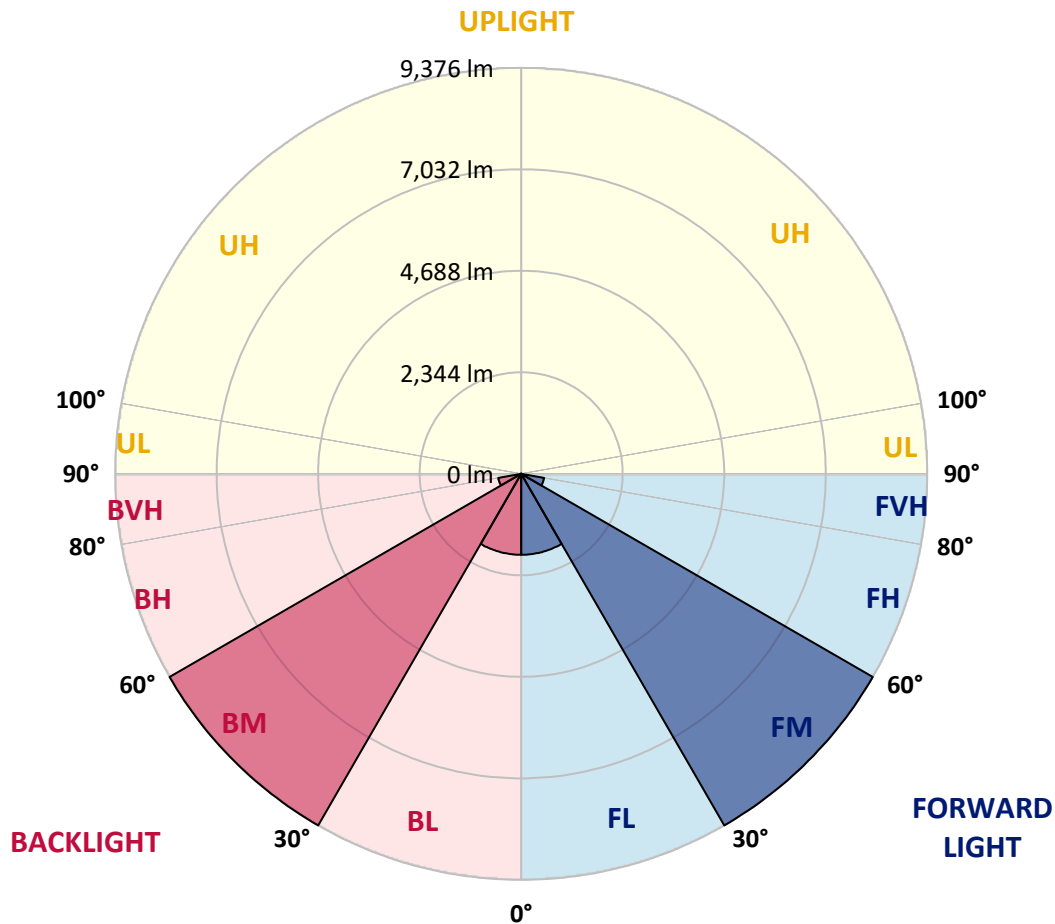
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1869.0	7.9			
FM	(30°-60°)	9375.9	39.7			
FH	(60°-80°)	536.9	2.3			G0/660
FVH	(80°-90°)	16.2	0.1			G1/100
BL	(0°-30°)	1869.0	7.9	B3/2500		
BM	(30°-60°)	9375.9	39.7	B5		
BH	(60°-80°)	536.9	2.3	B2/1000		G0/660
BVH	(80°-90°)	16.2	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°	3271.3	3271.3	3271.3	3271.3	3271.3	3271.3	3271.3	3271.3	3271.3	3271.3	3271.3
2.5°	3259.4	3259.4	3255.4	3287.2	3271.3	3307.1	3303.1	3315.0	3326.9	3322.9	3354.7
5°	3231.6	3227.7	3227.7	3263.4	3299.1	3338.8	3374.5	3398.4	3438.1	3438.1	3477.8
7.5°	3259.4	3239.6	3267.4	3283.2	3350.7	3418.2	3477.8	3525.4	3616.7	3648.5	3636.6
10°	3267.4	3291.2	3311.0	3358.7	3442.0	3545.3	3596.9	3716.0	3819.2	3890.7	3906.5
12.5°	3319.0	3354.7	3410.3	3525.4	3600.8	3735.8	3807.3	3922.4	4065.3	4144.7	4200.3
15°	3418.2	3430.1	3501.6	3648.5	3811.3	3934.3	4045.5	4128.9	4267.8	4359.1	4363.1
17.5°	3545.3	3596.9	3696.1	3835.1	4005.8	4188.4	4275.7	4367.1	4418.7	4541.7	4569.5
20°	3799.3	3807.3	3902.6	4085.2	4299.6	4466.3	4529.8	4577.5	4557.6	4684.7	4708.5
22.5°	4037.5	4045.5	4164.6	4410.7	4641.0	4783.9	4811.7	4783.9	4724.4	4815.7	4823.6
25°	4279.7	4351.2	4438.5	4684.7	4970.5	5161.1	5165.0	5089.6	4966.5	4982.4	5022.1
27.5°	4656.9	4708.5	4799.8	5026.1	5339.7	5554.1	5518.4	5427.1	5268.3	5280.2	5268.3
30°	5097.6	5145.2	5220.6	5510.4	5740.7	5974.9	6026.5	5939.2	5701.0	5649.4	5708.9
32.5°	5629.5	5697.0	5836.0	6102.0	6296.5	6439.4	6475.2	6443.4	6221.1	6201.2	6240.9
35°	6276.7	6368.0	6495.0	6729.2	6888.0	7146.1	7146.1	7038.9	6836.4	6860.3	6856.3
37.5°	6959.5	7094.5	7293.0	7531.2	7745.6	7884.5	7840.9	7749.5	7547.1	7495.5	7547.1
40°	7817.0	7884.5	8134.6	8444.3	8706.3	8865.1	8678.5	8480.0	7995.7	8071.1	8210.1
42.5°	8599.1	8706.3	8896.9	9238.3	9536.1	9667.1	9444.8	9051.7	8468.1	8408.6	8511.8
45°	9266.1	9381.2	9631.4	10119.7	10433.3	10548.4	10056.2	9420.9	8754.0	8603.1	8646.8
47.5°	9710.8	9770.3	10119.7	10584.2	10870.0	11132.0	10425.4	9675.0	8889.0	8603.1	8587.2
50°	9540.0	9643.3	10052.2	10580.2	11100.3	11286.9	10612.0	9869.6	8932.6	8567.4	8519.7
52.5°	8472.1	8650.8	9107.3	9817.9	10604.0	11271.0	10870.0	9806.0	8916.7	8603.1	8674.6
55°	5895.5	5899.5	6455.3	7503.4	8892.9	10465.1	10492.9	9877.5	9020.0	8825.4	8829.4
57.5°	2370.1	2489.2	2914.0	3966.1	5248.4	7185.8	8543.6	9162.9	9031.9	8984.2	9107.3
60°	599.5	603.4	734.5	1119.6	1846.1	3080.8	4474.3	6054.3	6971.4	7285.1	7328.7
62.5°	305.7	309.7	341.4	397.0	504.2	825.8	1468.9	2330.4	3315.0	3815.2	3946.2
65°	250.1	250.1	270.0	297.8	301.7	317.6	381.1	543.9	790.0	897.2	909.1
67.5°	190.6	190.6	206.4	222.3	230.3	226.3	218.4	226.3	273.9	262.0	254.1
70°	119.1	123.1	131.0	146.9	154.8	158.8	162.8	170.7	194.5	202.5	194.5
72.5°	71.5	71.5	75.4	87.3	99.3	107.2	119.1	127.0	139.0	158.8	154.8
75°	31.8	31.8	39.7	51.6	63.5	75.4	87.3	99.3	107.2	119.1	123.1
77.5°	7.9	11.9	19.9	35.7	47.6	63.5	79.4	91.3	99.3	99.3	95.3
80°	4.0	4.0	15.9	27.8	51.6	67.5	87.3	95.3	107.2	99.3	87.3
82.5°	4.0	4.0	15.9	27.8	47.6	67.5	91.3	103.2	111.2	99.3	83.4
85°	0.0	4.0	11.9	23.8	39.7	47.6	39.7	27.8	15.9	15.9	11.9
87.5°	0.0	0.0	4.0	4.0	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)