

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: P531142

Luminaire Tested: **GALN-SA6B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23495 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 243
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

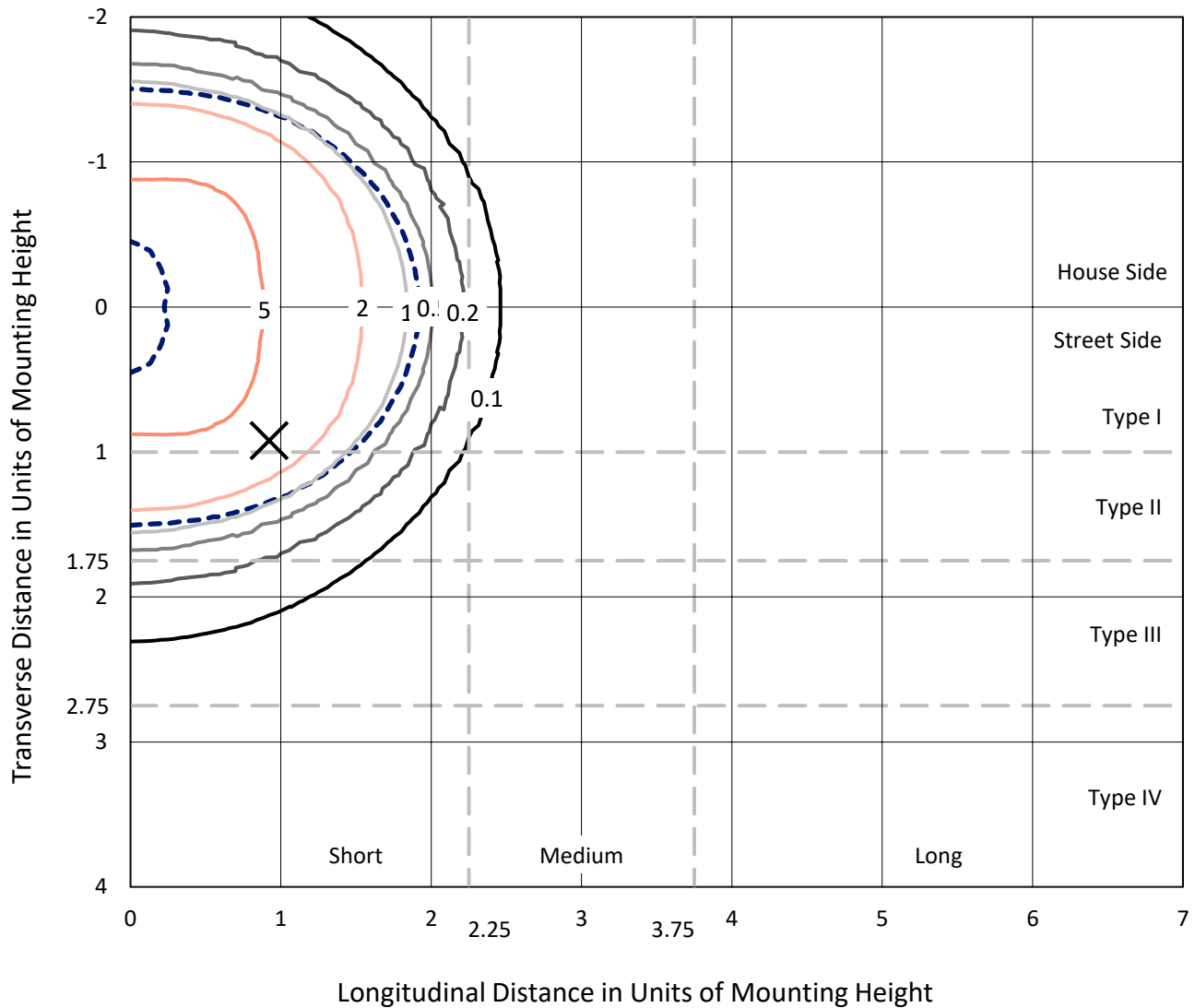


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

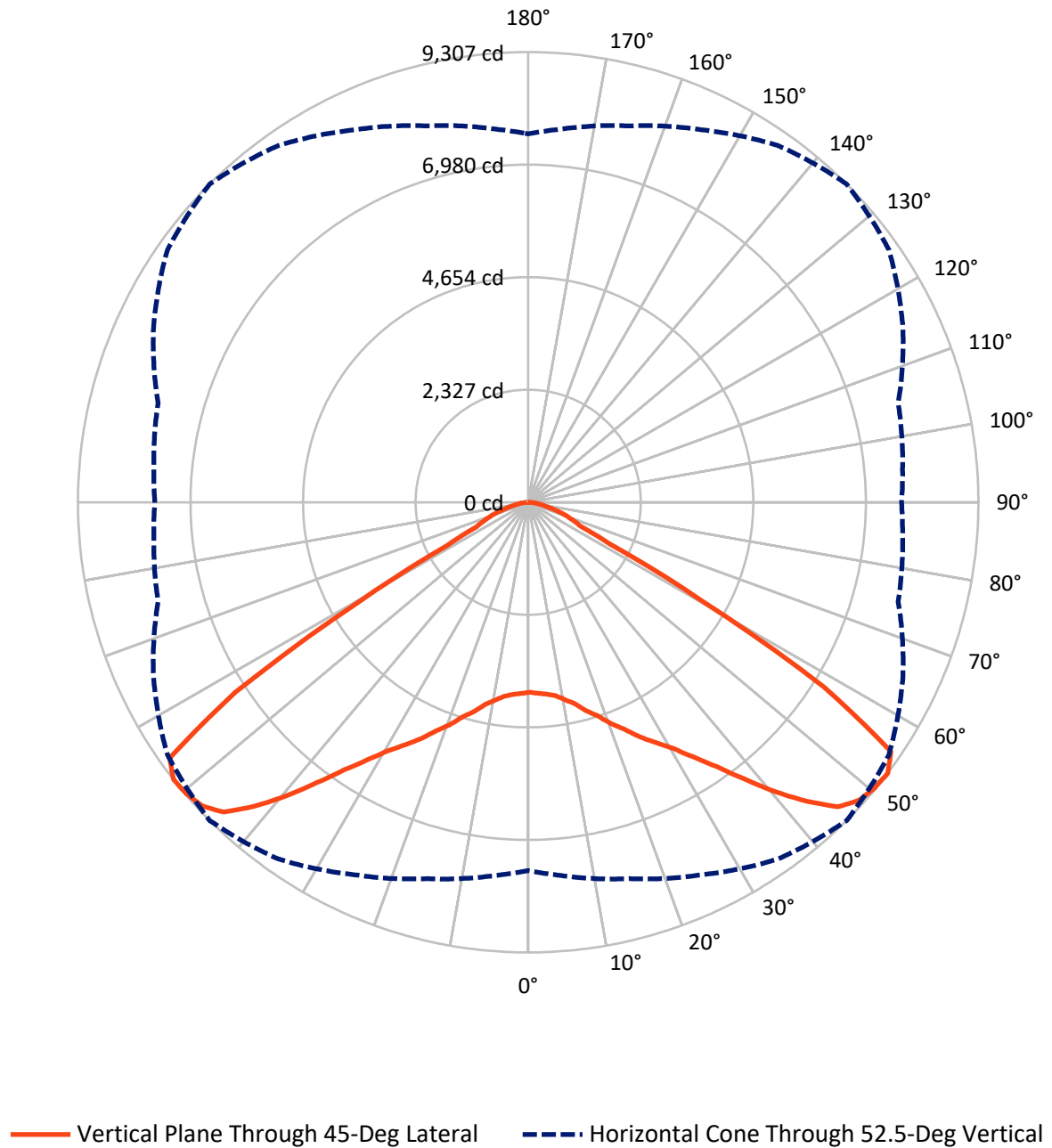


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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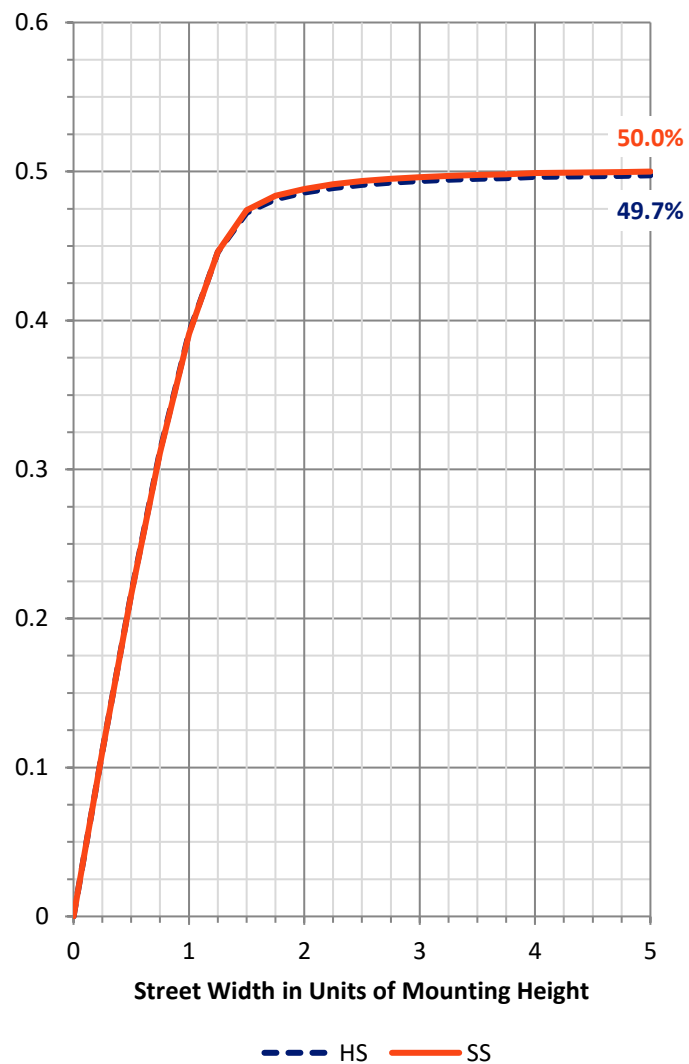
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11747.5	0.0	11747.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11747.5	0.0	11747.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23495.0	0.0	23495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.9	1.6
10°-20°	1267.9	5.4
20°-30°	2414.0	10.3
30°-40°	4144.9	17.6
40°-50°	6370.9	27.1
50°-60°	6469.5	27.5
60°-70°	1803.0	7.7
70°-80°	531.9	2.3
80°-90°	107.1	0.5
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°	23495.0	100.0
0°-180°	23495.0	100.0

Coefficient of Utilization



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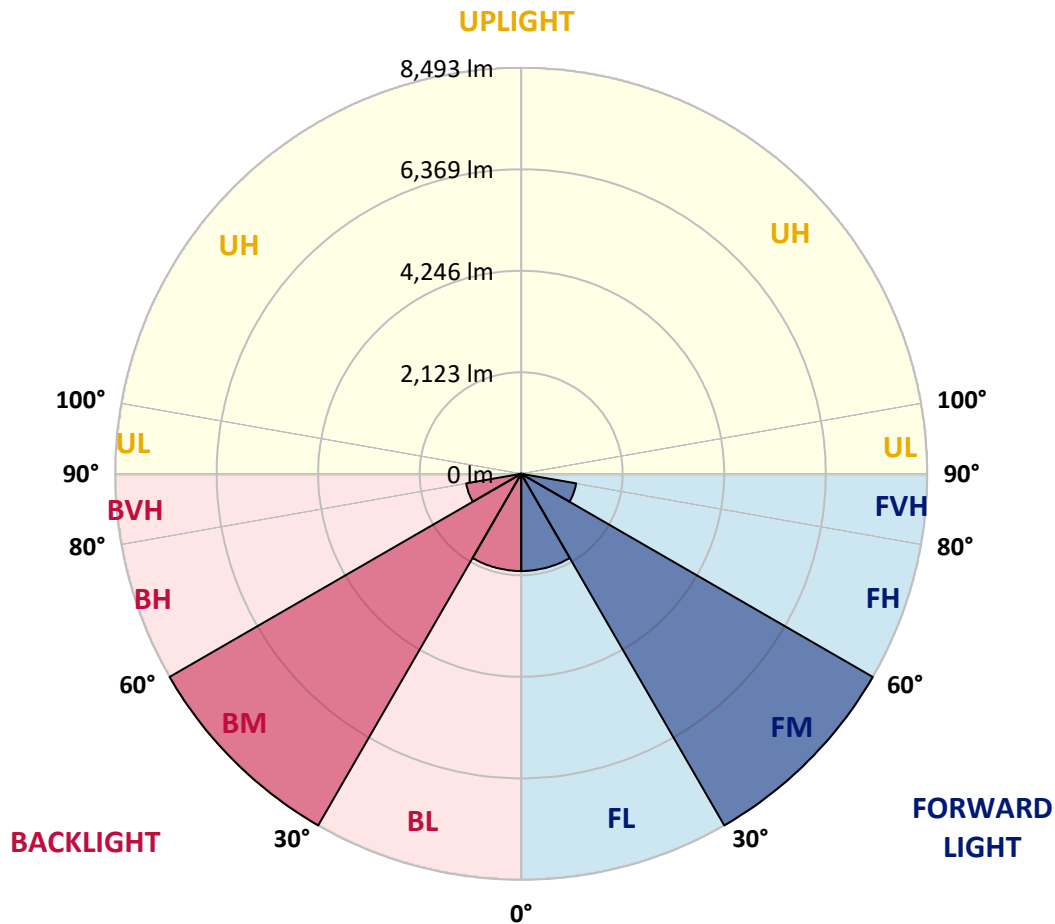
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2033.9	8.7			
FM	(30°-60°)	8492.7	36.1			
FH	(60°-80°)	1167.4	5.0			G1/1800
FVH	(80°-90°)	53.6	0.2			G1/100
BL	(0°-30°)	2033.9	8.7	B3/2500		
BM	(30°-60°)	8492.7	36.1	B4/8500		
BH	(60°-80°)	1167.4	5.0	B3/2500		G1/1800
BVH	(80°-90°)	53.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3927.5	3927.5	3927.5	3927.5	3927.5	3927.5	3927.5	3927.5	3927.5	3927.5	3927.5
2.5°	3936.2	3895.4	3910.0	3918.8	3956.7	3953.7	3945.0	3956.7	3968.3	3971.2	3965.4
5°	3933.3	3904.2	3915.8	3924.6	3962.5	3982.9	3977.1	4026.6	4061.6	4052.9	4096.6
7.5°	3910.0	3927.5	3912.9	3956.7	3988.7	4038.3	4090.8	4137.4	4181.2	4230.7	4239.5
10°	3962.5	3962.5	3988.7	4023.7	4108.3	4146.2	4222.0	4289.1	4373.6	4431.9	4408.6
12.5°	4017.9	4026.6	4026.6	4117.0	4187.0	4271.6	4341.5	4431.9	4551.5	4621.4	4656.4
15°	4073.3	4079.1	4108.3	4230.7	4335.7	4469.8	4534.0	4615.6	4682.7	4813.9	4816.8
17.5°	4122.9	4154.9	4242.4	4379.4	4510.6	4638.9	4741.0	4825.5	4883.9	4936.3	4924.7
20°	4309.5	4332.8	4423.2	4560.2	4755.6	4880.9	4915.9	4930.5	4968.4	5073.4	5041.3
22.5°	4490.2	4499.0	4583.5	4793.5	4930.5	5096.7	5134.6	5125.9	5140.4	5166.7	5213.3
25°	4676.8	4691.4	4808.1	4985.9	5178.4	5376.6	5408.7	5341.6	5321.2	5350.4	5353.3
27.5°	4915.9	4918.8	5067.6	5222.1	5440.8	5627.4	5676.9	5624.5	5528.2	5551.6	5589.5
30°	5219.2	5198.8	5347.5	5569.1	5799.4	5904.4	5988.9	5962.7	5857.7	5837.3	5805.2
32.5°	5569.1	5574.9	5709.0	5951.0	6102.6	6277.6	6368.0	6324.2	6257.2	6222.2	6242.6
35°	6061.8	6088.1	6178.4	6379.6	6624.6	6712.0	6854.9	6761.6	6586.7	6630.4	6668.3
37.5°	6467.1	6542.9	6712.0	6951.1	7096.9	7257.3	7309.8	7184.4	7056.1	7003.6	7129.0
40°	7088.2	7064.8	7251.4	7490.5	7706.3	7866.7	7799.6	7674.2	7356.4	7359.3	7394.3
42.5°	7621.7	7633.4	7776.3	8062.0	8356.5	8455.6	8242.8	7936.6	7583.8	7545.9	7621.7
45°	8070.8	8117.4	8199.1	8581.0	8869.7	8977.6	8583.9	8222.4	7750.0	7592.6	7718.0
47.5°	8231.1	8306.9	8484.8	8834.7	9120.4	9207.9	8893.0	8374.0	7904.6	7648.0	7715.0
50°	8254.5	8228.2	8519.8	8840.5	9091.3	9280.8	9003.8	8484.8	7866.7	7732.5	7712.1
52.5°	7615.9	7744.2	8056.2	8496.5	9003.8	9307.0	9102.9	8546.0	7919.1	7767.5	7718.0
55°	6163.9	6012.3	6580.8	7321.4	8254.5	9097.1	9067.9	8578.1	7951.2	7825.8	7758.8
57.5°	3440.6	3484.3	3805.0	4609.8	5814.0	7213.5	8062.0	8239.9	7936.6	7863.7	7898.7
60°	1592.0	1606.6	1743.6	2119.7	2866.2	4090.8	5207.5	6341.7	6863.6	6968.6	6968.6
62.5°	1186.7	1180.9	1215.9	1282.9	1440.4	1880.7	2510.5	3411.4	4128.7	4630.2	4761.4
65°	1073.0	1070.1	1087.6	1110.9	1122.6	1183.8	1323.7	1600.7	1834.0	1968.1	1944.8
67.5°	938.9	936.0	941.8	956.4	976.8	1008.8	1043.8	1102.1	1183.8	1178.0	1163.4
70°	758.1	758.1	766.8	778.5	801.8	839.7	880.6	921.4	991.4	1005.9	1003.0
72.5°	559.8	551.1	568.6	591.9	615.2	661.9	705.6	743.5	793.1	807.7	801.8
75°	355.7	361.6	373.2	399.5	440.3	472.3	519.0	551.1	583.1	594.8	597.7
77.5°	198.3	204.1	224.5	256.6	297.4	332.4	373.2	399.5	419.9	422.8	425.7
80°	119.5	122.5	142.9	172.0	207.0	244.9	277.0	303.2	320.7	312.0	309.1
82.5°	72.9	75.8	93.3	119.5	148.7	177.9	212.8	236.2	253.7	242.0	230.3
85°	37.9	40.8	55.4	72.9	96.2	110.8	110.8	99.1	96.2	90.4	87.5
87.5°	11.7	11.7	14.6	17.5	14.6	17.5	20.4	23.3	23.3	26.2	23.3
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)