

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: P531609

Luminaire Tested: **GALN-SA6D-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531609
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-SA6D-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA 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: 23558 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

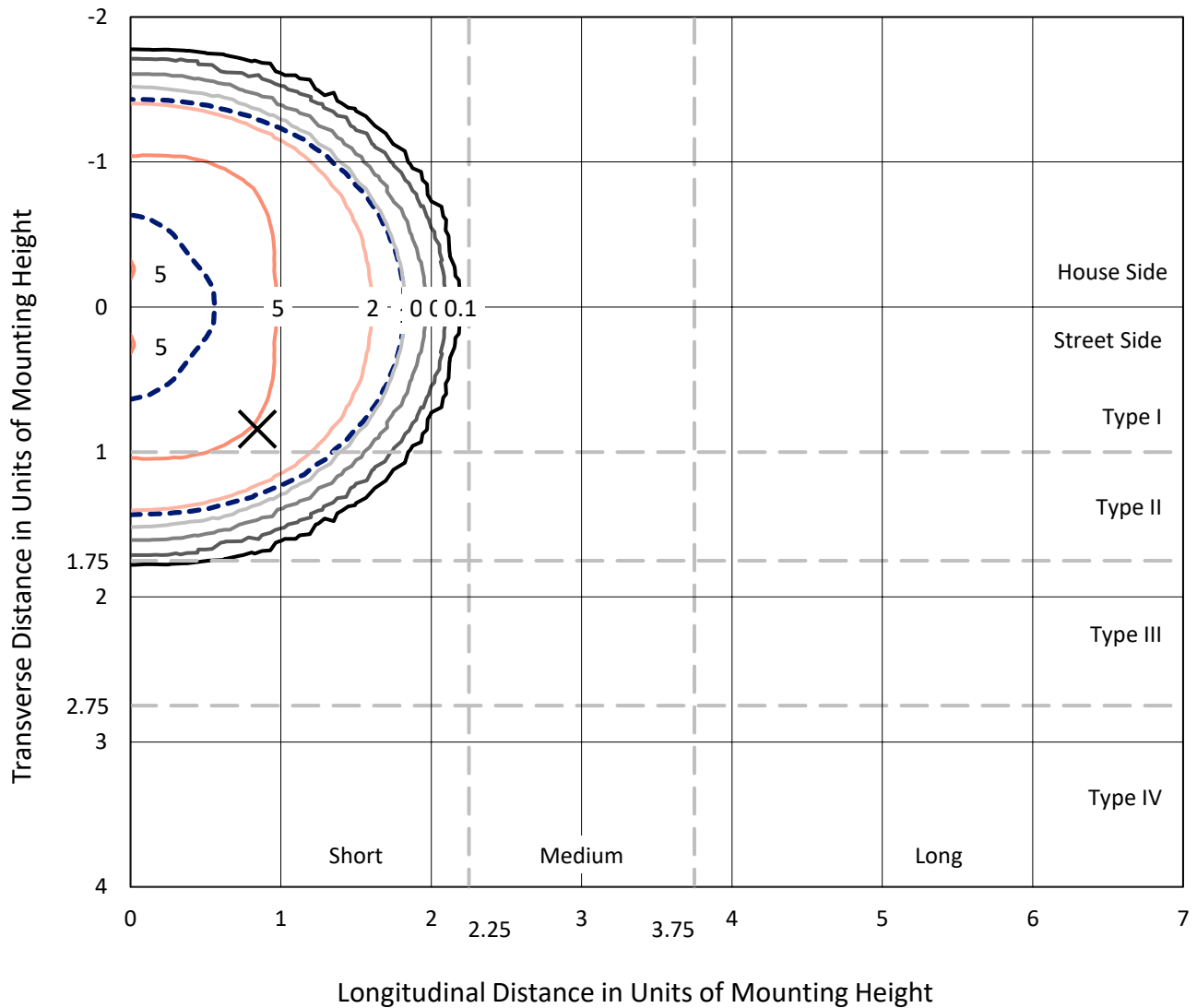
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

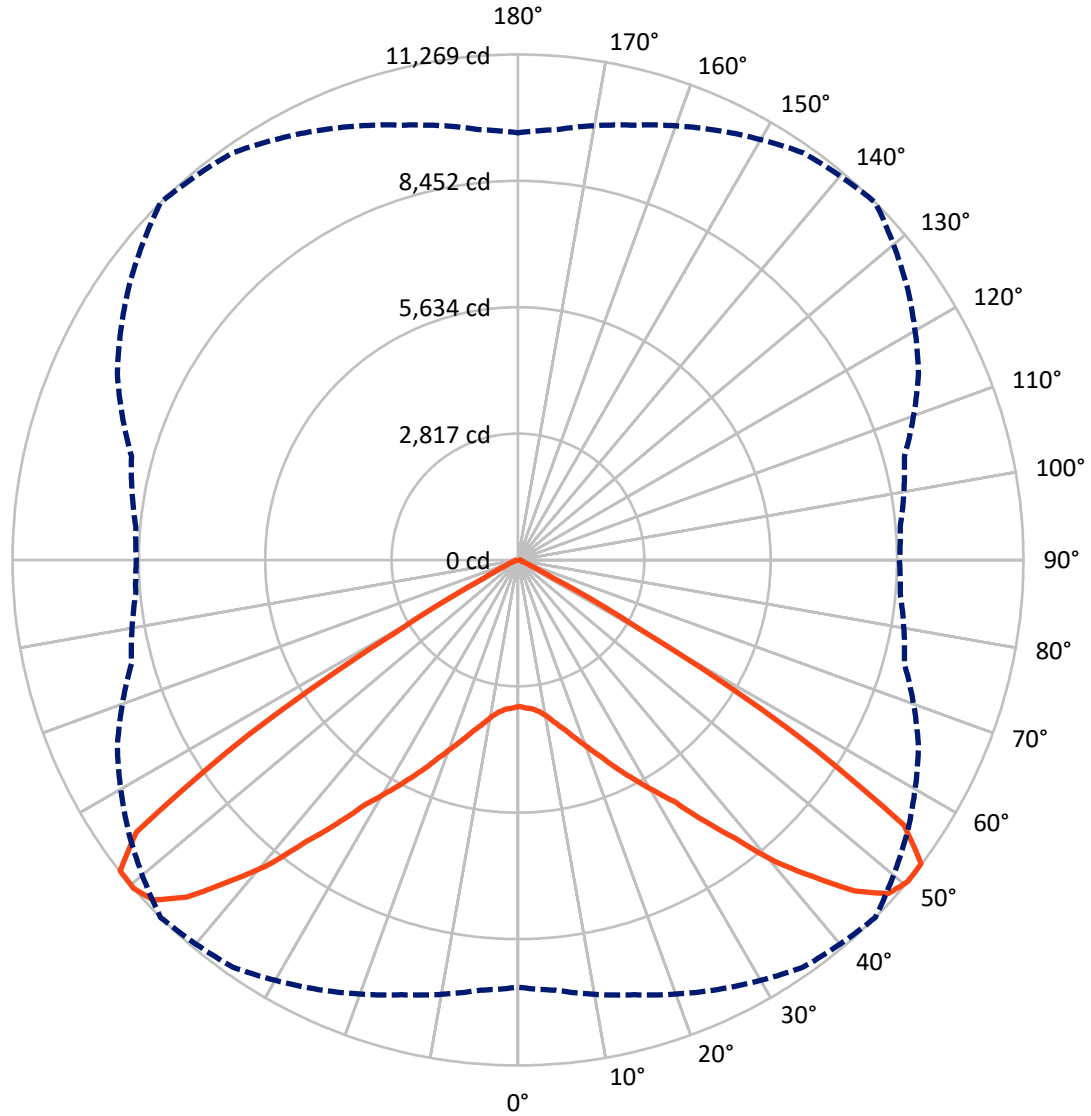
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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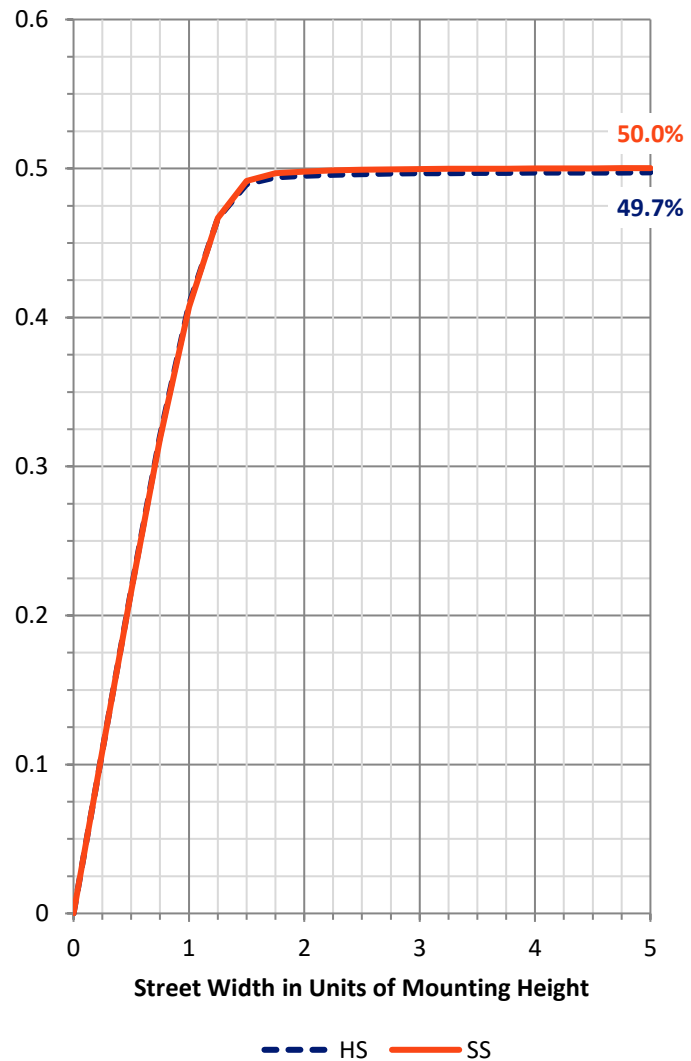
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11779.0	0.0	11779.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11779.0	0.0	11779.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23558.0	0.0	23558.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.9	1.4
10°-20°	1119.9	4.8
20°-30°	2287.2	9.7
30°-40°	4361.7	18.5
40°-50°	7350.2	31.2
50°-60°	7009.7	29.8
60°-70°	978.5	4.2
70°-80°	93.6	0.4
80°-90°	32.3	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°	23558.0	100.0
0°-180°	23558.0	100.0



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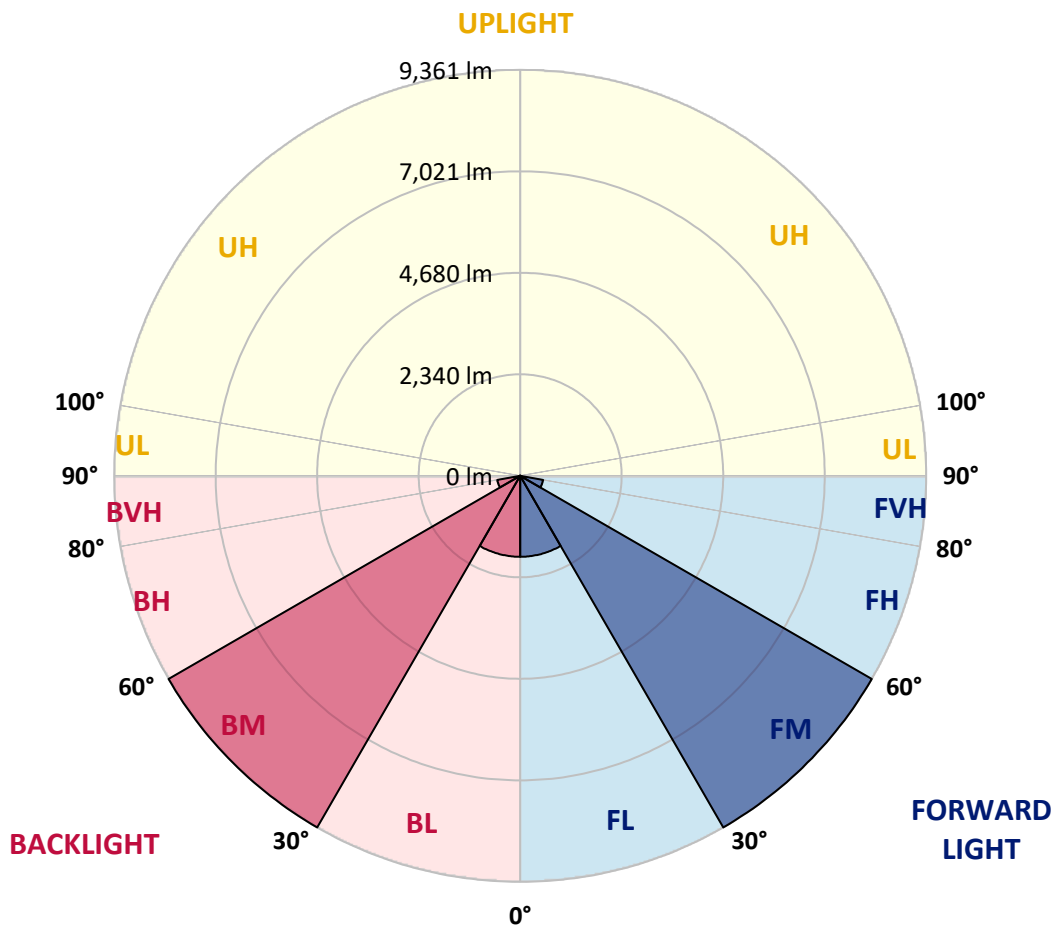
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1866.0	7.9			
FM (30°-60°)	9360.8	39.7			
FH (60°-80°)	536.0	2.3			G0/660
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	1866.0	7.9	B3/2500		
BM (30°-60°)	9360.8	39.7	B5		
BH (60°-80°)	536.0	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°	3266.1	3266.1	3266.1	3266.1	3266.1	3266.1	3266.1	3266.1	3266.1	3266.1	3266.1
2.5°	3254.2	3254.2	3250.2	3281.9	3266.1	3301.7	3297.8	3309.7	3321.5	3317.6	3349.3
5°	3226.4	3222.5	3222.5	3258.1	3293.8	3333.4	3369.1	3392.9	3432.5	3432.5	3472.2
7.5°	3254.2	3234.3	3262.1	3277.9	3345.3	3412.7	3472.2	3519.7	3610.9	3642.6	3630.7
10°	3262.1	3285.9	3305.7	3353.3	3436.5	3539.6	3591.1	3710.0	3813.0	3884.4	3900.2
12.5°	3313.6	3349.3	3404.8	3519.7	3595.0	3729.8	3801.2	3916.1	4058.8	4138.1	4193.6
15°	3412.7	3424.6	3495.9	3642.6	3805.1	3928.0	4039.0	4122.2	4260.9	4352.1	4356.1
17.5°	3539.6	3591.1	3690.2	3828.9	3999.3	4181.7	4268.9	4360.0	4411.6	4534.4	4562.2
20°	3793.2	3801.2	3896.3	4078.6	4292.6	4459.1	4522.5	4570.1	4550.3	4677.1	4700.9
22.5°	4031.0	4039.0	4157.9	4403.6	4633.5	4776.2	4804.0	4776.2	4716.8	4807.9	4815.8
25°	4272.8	4344.2	4431.4	4677.1	4962.5	5152.8	5156.7	5081.4	4958.5	4974.4	5014.0
27.5°	4649.4	4700.9	4792.1	5018.0	5331.1	5545.2	5509.5	5418.3	5259.8	5271.7	5259.8
30°	5089.3	5136.9	5212.2	5501.6	5731.5	5965.3	6016.8	5929.6	5691.8	5640.3	5699.7
32.5°	5620.5	5687.9	5826.6	6092.1	6286.4	6429.1	6464.7	6433.0	6211.1	6191.2	6230.9
35°	6266.5	6357.7	6484.6	6718.4	6877.0	7134.6	7134.6	7027.6	6825.4	6849.2	6845.2
37.5°	6948.3	7083.1	7281.2	7519.1	7733.1	7871.8	7828.2	7737.1	7534.9	7483.4	7534.9
40°	7804.5	7871.8	8121.5	8430.7	8692.3	8850.9	8664.6	8466.4	7982.8	8058.1	8196.9
42.5°	8585.3	8692.3	8882.6	9223.4	9520.7	9651.5	9429.6	9037.1	8454.5	8395.0	8498.1
45°	9251.2	9366.1	9615.8	10103.4	10416.5	10531.5	10040.0	9405.8	8739.9	8589.3	8632.9
47.5°	9695.1	9754.6	10103.4	10567.1	10852.5	11114.1	10408.6	9659.4	8874.6	8589.3	8573.4
50°	9524.7	9627.7	10036.0	10563.2	11082.4	11268.7	10594.9	9853.7	8918.2	8553.6	8506.0
52.5°	8458.5	8636.8	9092.6	9802.1	10586.9	11252.8	10852.5	9790.2	8902.4	8589.3	8660.6
55°	5886.0	5890.0	6444.9	7491.3	8878.6	10448.2	10476.0	9861.6	9005.4	8811.2	8815.2
57.5°	2366.3	2485.2	2909.3	3959.7	5240.0	7174.2	8529.8	9148.1	9017.3	8969.8	9092.6
60°	598.5	602.5	733.3	1117.8	1843.1	3075.8	4467.0	6044.6	6960.2	7273.3	7316.9
62.5°	305.2	309.2	340.9	396.4	503.4	824.4	1466.6	2326.7	3309.7	3809.1	3939.9
65°	249.7	249.7	269.5	297.3	301.2	317.1	380.5	543.0	788.8	895.8	907.7
67.5°	190.3	190.3	206.1	222.0	229.9	225.9	218.0	225.9	273.5	261.6	253.7
70°	118.9	122.9	130.8	146.7	154.6	158.5	162.5	170.4	194.2	202.1	194.2
72.5°	71.3	71.3	75.3	87.2	99.1	107.0	118.9	126.8	138.7	158.5	154.6
75°	31.7	31.7	39.6	51.5	63.4	75.3	87.2	99.1	107.0	118.9	122.9
77.5°	7.9	11.9	19.8	35.7	47.6	63.4	79.3	91.2	99.1	99.1	95.1
80°	4.0	4.0	15.9	27.7	51.5	67.4	87.2	95.1	107.0	99.1	87.2
82.5°	4.0	4.0	15.9	27.7	47.6	67.4	91.2	103.1	111.0	99.1	83.2
85°	0.0	4.0	11.9	23.8	39.6	47.6	39.6	27.7	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)