

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: P531583

Luminaire Tested: **GALN-SA6D-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531583
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-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 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: 21793 lumens
Efficiency: N/A
Efficacy: 59.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

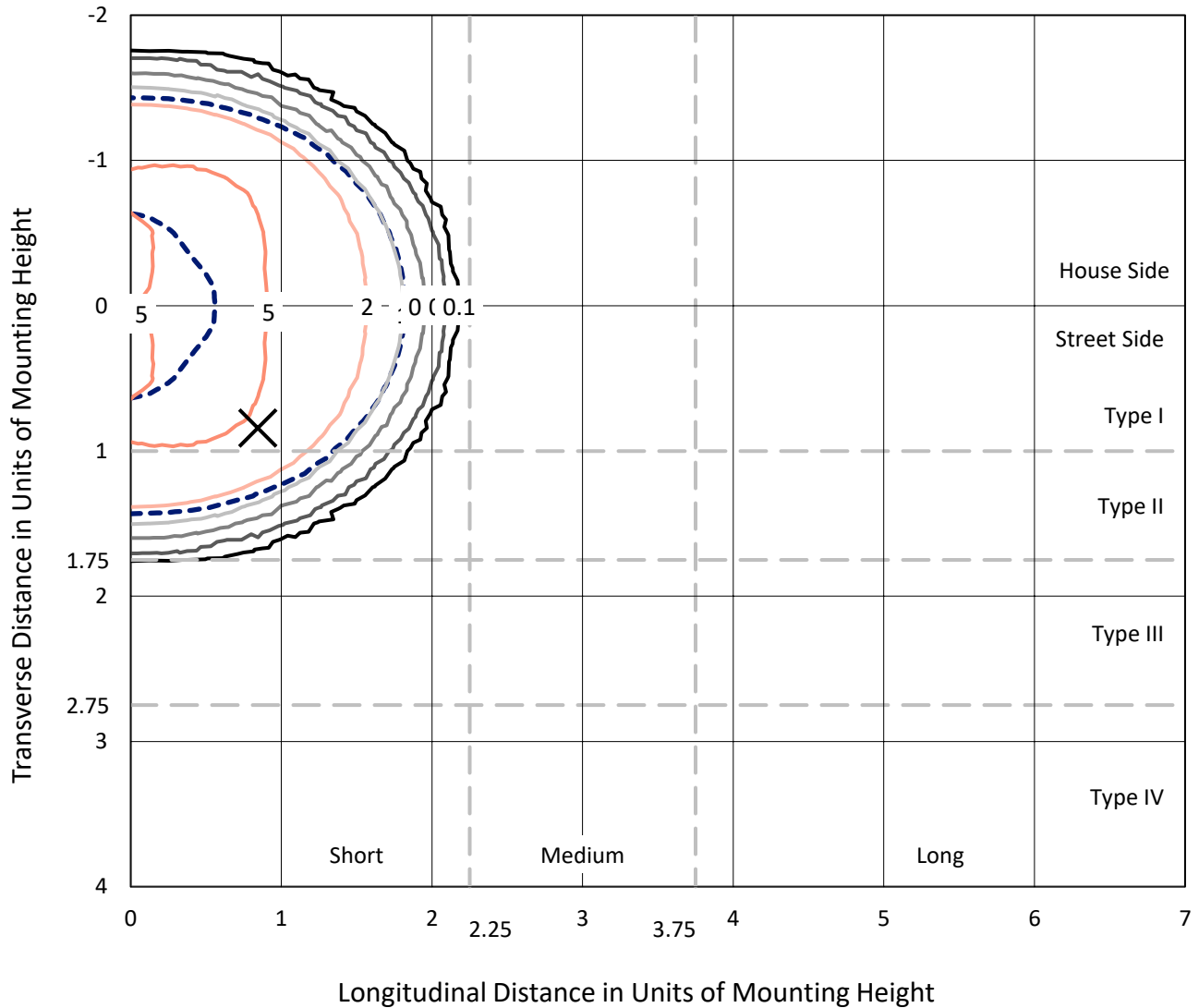
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

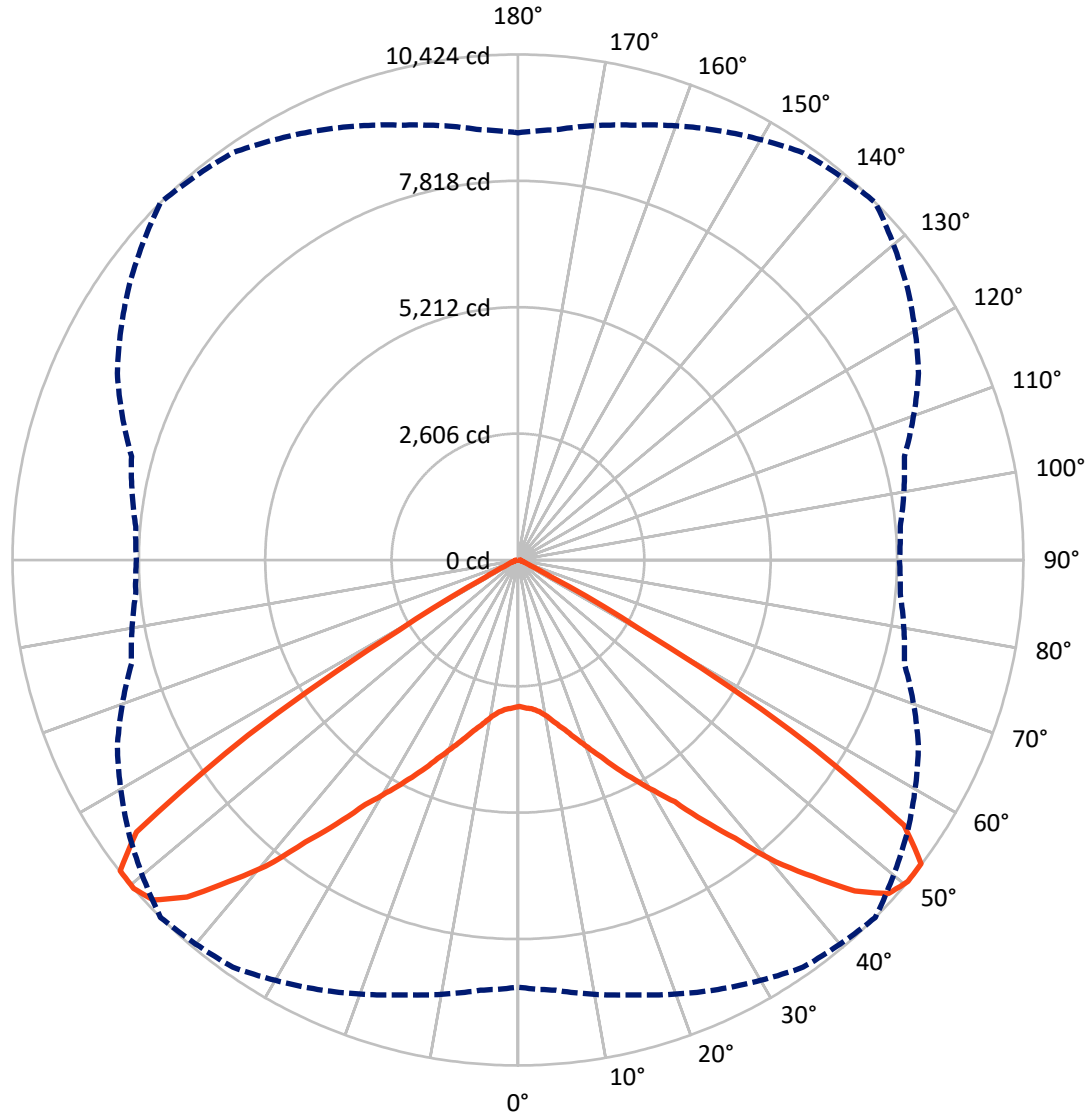
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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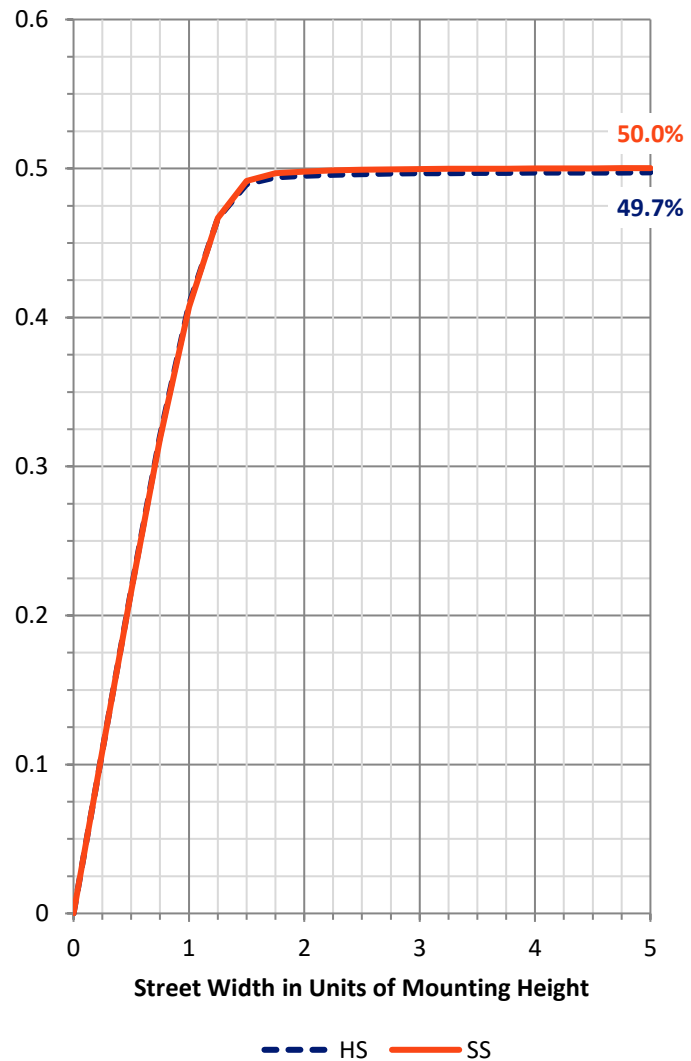
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10896.5	0.0	10896.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10896.5	0.0	10896.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21793.0	0.0	21793.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.6	1.4
10°-20°	1036.0	4.8
20°-30°	2115.9	9.7
30°-40°	4034.9	18.5
40°-50°	6799.5	31.2
50°-60°	6484.5	29.8
60°-70°	905.2	4.2
70°-80°	86.6	0.4
80°-90°	29.9	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°	21793.0	100.0
0°-180°	21793.0	100.0



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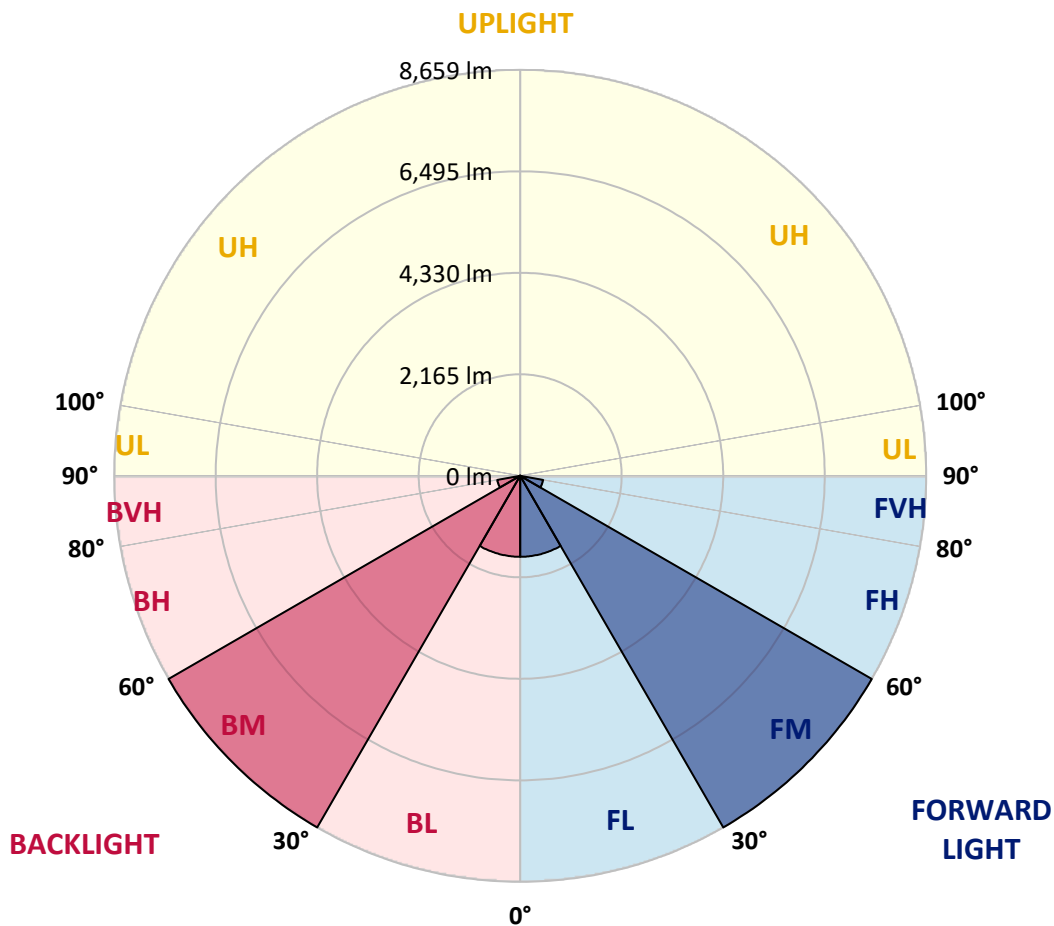
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1726.2	7.9			
FM (30°-60°)	8659.4	39.7			
FH (60°-80°)	495.9	2.3			G0/660
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	1726.2	7.9	B3/2500		
BM (30°-60°)	8659.4	39.7	B5		
BH (60°-80°)	495.9	2.3	B1/500		G0/660
BVH (80°-90°)	15.0	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°	3021.4	3021.4	3021.4	3021.4	3021.4	3021.4	3021.4	3021.4	3021.4	3021.4	3021.4
2.5°	3010.4	3010.4	3006.7	3036.0	3021.4	3054.4	3050.7	3061.7	3072.7	3069.0	3098.4
5°	2984.7	2981.0	2981.0	3014.0	3047.0	3083.7	3116.7	3138.7	3175.4	3175.4	3212.0
7.5°	3010.4	2992.0	3017.7	3032.4	3094.7	3157.0	3212.0	3256.0	3340.4	3369.7	3358.7
10°	3017.7	3039.7	3058.0	3102.0	3179.0	3274.4	3322.0	3432.0	3527.4	3593.4	3608.0
12.5°	3065.4	3098.4	3149.7	3256.0	3325.7	3450.4	3516.4	3622.7	3754.7	3828.0	3879.4
15°	3157.0	3168.0	3234.0	3369.7	3520.0	3633.7	3736.4	3813.4	3941.7	4026.0	4029.7
17.5°	3274.4	3322.0	3413.7	3542.0	3699.7	3868.4	3949.0	4033.4	4081.0	4194.7	4220.4
20°	3509.0	3516.4	3604.4	3773.0	3971.0	4125.0	4183.7	4227.7	4209.4	4326.7	4348.7
22.5°	3729.0	3736.4	3846.4	4073.7	4286.4	4418.4	4444.0	4418.4	4363.4	4447.7	4455.0
25°	3952.7	4018.7	4099.4	4326.7	4590.7	4766.7	4770.4	4700.7	4587.0	4601.7	4638.4
27.5°	4301.0	4348.7	4433.0	4642.0	4931.7	5129.7	5096.7	5012.4	4865.7	4876.7	4865.7
30°	4708.0	4752.0	4821.7	5089.4	5302.0	5518.4	5566.0	5485.4	5265.4	5217.7	5272.7
32.5°	5199.4	5261.7	5390.0	5635.7	5815.4	5947.4	5980.4	5951.1	5745.7	5727.4	5764.1
35°	5797.1	5881.4	5998.7	6215.1	6361.7	6600.1	6600.1	6501.1	6314.1	6336.1	6332.4
37.5°	6427.7	6552.4	6735.7	6955.7	7153.7	7282.1	7241.7	7157.4	6970.4	6922.7	6970.4
40°	7219.7	7282.1	7513.1	7799.1	8041.1	8187.7	8015.4	7832.1	7384.7	7454.4	7582.7
42.5°	7942.1	8041.1	8217.1	8532.4	8807.4	8928.4	8723.1	8360.1	7821.1	7766.1	7861.4
45°	8558.1	8664.4	8895.4	9346.4	9636.1	9742.4	9287.7	8701.1	8085.1	7945.7	7986.1
47.5°	8968.7	9023.7	9346.4	9775.4	10039.4	10281.4	9628.8	8935.7	8209.7	7945.7	7931.1
50°	8811.1	8906.4	9284.1	9771.8	10252.1	10424.4	9801.1	9115.4	8250.1	7912.7	7868.7
52.5°	7824.7	7989.7	8411.4	9067.7	9793.8	10409.8	10039.4	9056.7	8235.4	7945.7	8011.7
55°	5445.0	5448.7	5962.1	6930.1	8213.4	9665.4	9691.1	9122.7	8330.7	8151.1	8154.7
57.5°	2189.0	2299.0	2691.4	3663.0	4847.4	6636.7	7890.7	8462.7	8341.7	8297.7	8411.4
60°	553.7	557.3	678.3	1034.0	1705.0	2845.4	4132.4	5591.7	6438.7	6728.4	6768.7
62.5°	282.3	286.0	315.3	366.7	465.7	762.7	1356.7	2152.4	3061.7	3523.7	3644.7
65°	231.0	231.0	249.3	275.0	278.7	293.3	352.0	502.3	729.7	828.7	839.7
67.5°	176.0	176.0	190.7	205.3	212.7	209.0	201.7	209.0	253.0	242.0	234.7
70°	110.0	113.7	121.0	135.7	143.0	146.7	150.3	157.7	179.7	187.0	179.7
72.5°	66.0	66.0	69.7	80.7	91.7	99.0	110.0	117.3	128.3	146.7	143.0
75°	29.3	29.3	36.7	47.7	58.7	69.7	80.7	91.7	99.0	110.0	113.7
77.5°	7.3	11.0	18.3	33.0	44.0	58.7	73.3	84.3	91.7	91.7	88.0
80°	3.7	3.7	14.7	25.7	47.7	62.3	80.7	88.0	99.0	91.7	80.7
82.5°	3.7	3.7	14.7	25.7	44.0	62.3	84.3	95.3	102.7	91.7	77.0
85°	0.0	3.7	11.0	22.0	36.7	44.0	36.7	25.7	14.7	14.7	11.0
87.5°	0.0	0.0	3.7	3.7	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)