

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: P532285

Luminaire Tested: **GALN-SA7C-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532285
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-SA7C-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 2700K, 1050mA 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: 23263 lumens
Efficiency: N/A
Efficacy: 61.7 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

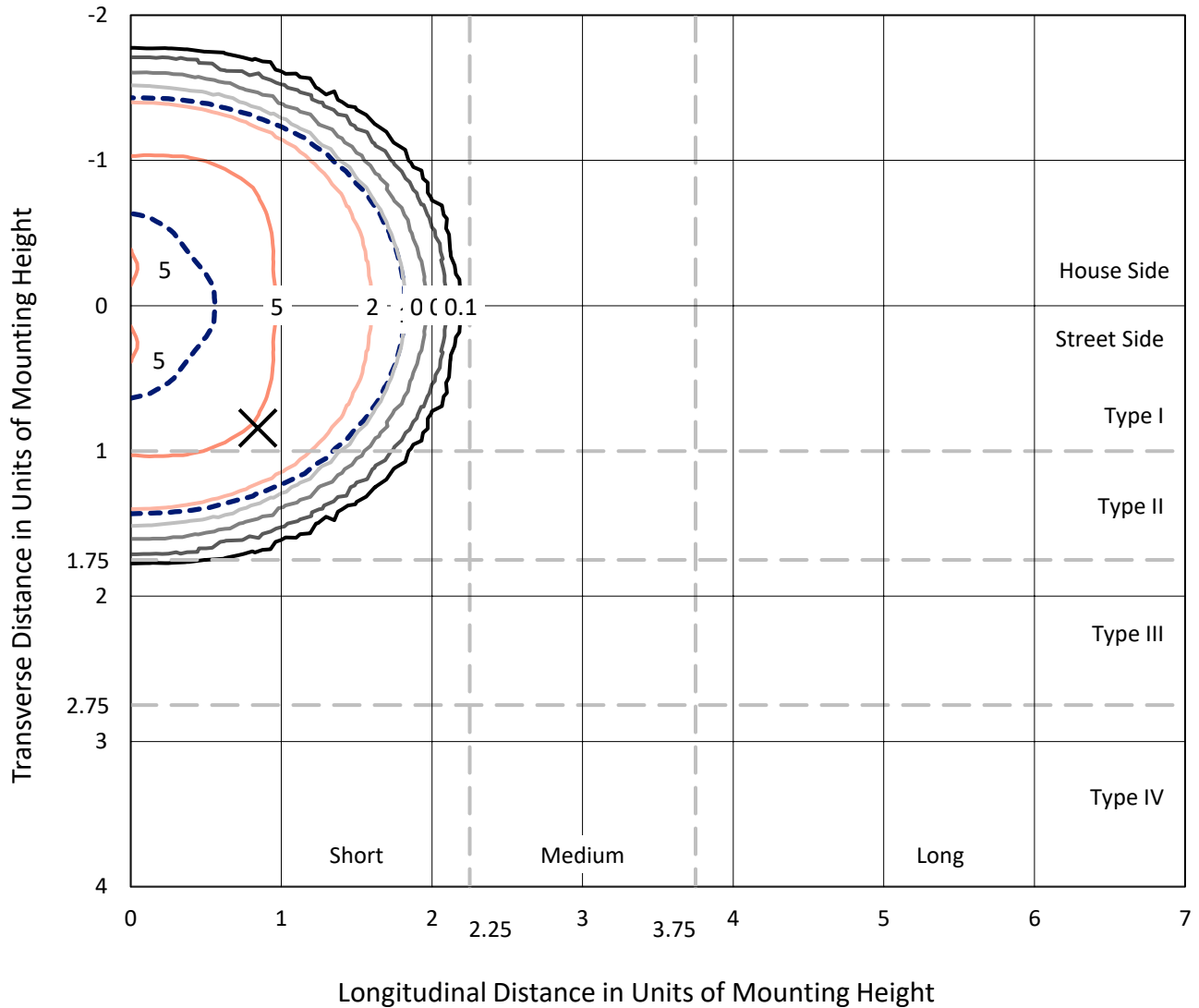
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

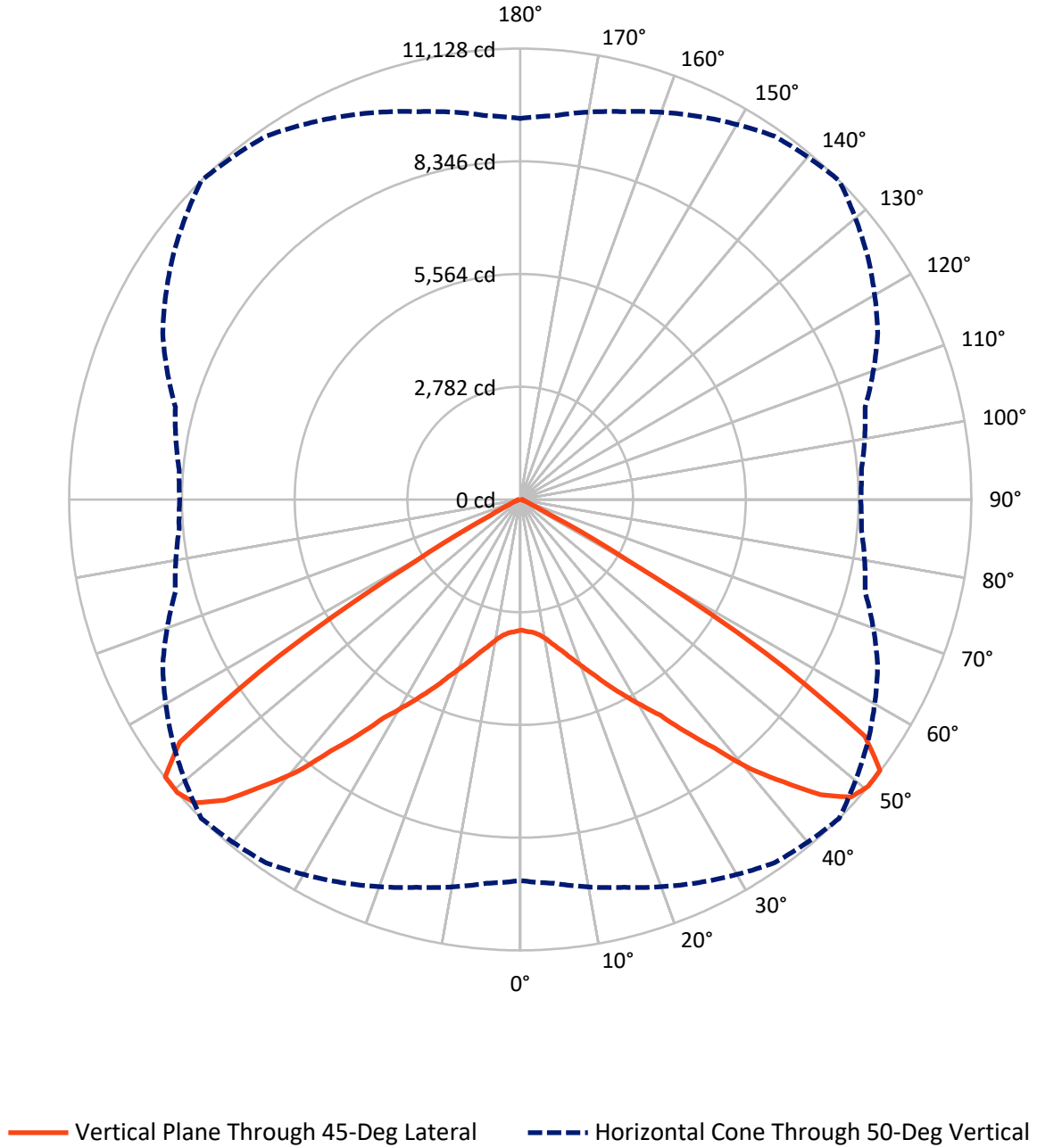
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	11631.5	0.0	11631.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11631.5	0.0	11631.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23263.0	0.0	23263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.9	1.4
10°-20°	1105.8	4.8
20°-30°	2258.6	9.7
30°-40°	4307.1	18.5
40°-50°	7258.1	31.2
50°-60°	6921.9	29.8
60°-70°	966.3	4.2
70°-80°	92.4	0.4
80°-90°	31.9	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°	23263.0	100.0
0°-180°	23263.0	100.0

Coefficient of Utilization



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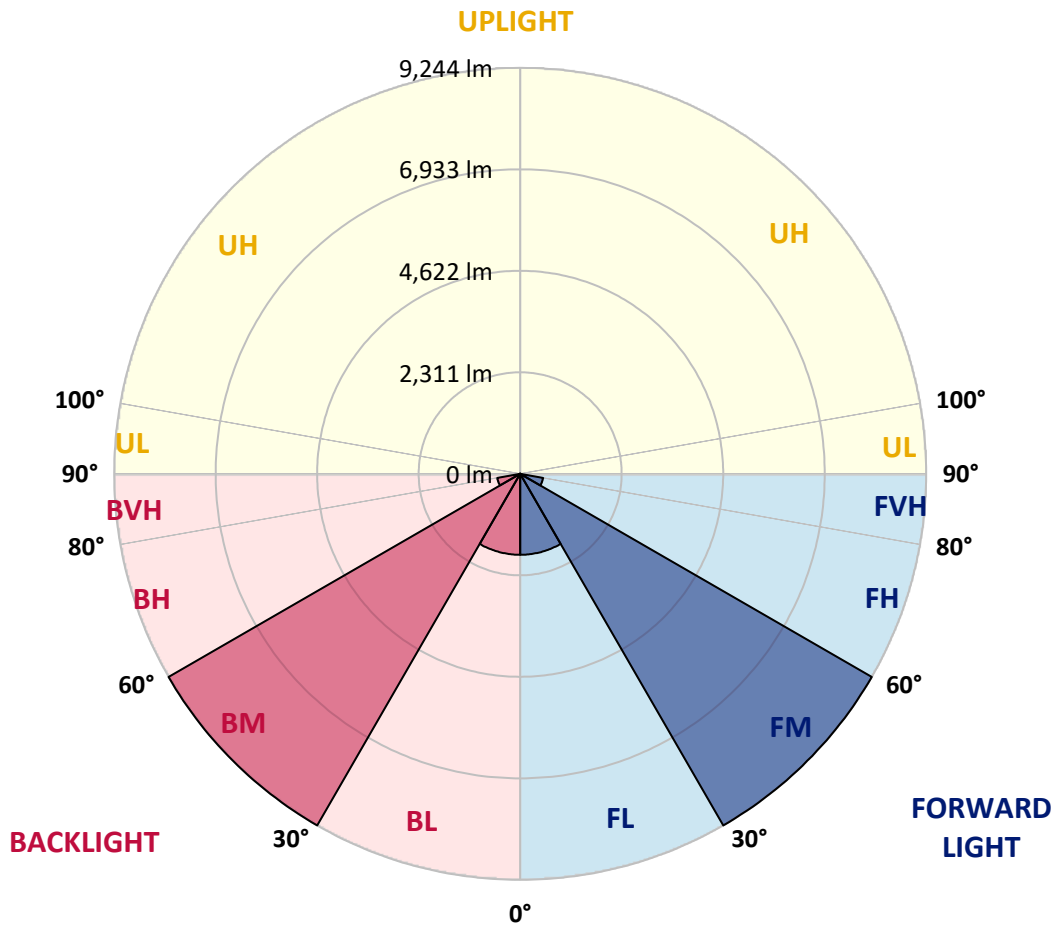
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1842.6	7.9			
FM (30°-60°)	9243.6	39.7			
FH (60°-80°)	529.3	2.3			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	1842.6	7.9	B3/2500		
BM (30°-60°)	9243.6	39.7	B5		
BH (60°-80°)	529.3	2.3	B2/1000		G0/660
BVH (80°-90°)	16.0	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°	3225.2	3225.2	3225.2	3225.2	3225.2	3225.2	3225.2	3225.2	3225.2	3225.2	3225.2
2.5°	3213.4	3213.4	3209.5	3240.8	3225.2	3260.4	3256.5	3268.2	3280.0	3276.0	3307.4
5°	3186.0	3182.1	3182.1	3217.3	3252.6	3291.7	3326.9	3350.4	3389.5	3389.5	3428.7
7.5°	3213.4	3193.8	3221.2	3236.9	3303.4	3370.0	3428.7	3475.7	3565.7	3597.0	3585.2
10°	3221.2	3244.7	3264.3	3311.3	3393.5	3495.2	3546.1	3663.5	3765.3	3835.7	3851.4
12.5°	3272.1	3307.4	3362.2	3475.7	3550.0	3683.1	3753.6	3867.1	4008.0	4086.2	4141.0
15°	3370.0	3381.7	3452.2	3597.0	3757.5	3878.8	3988.4	4070.6	4207.6	4297.6	4301.5
17.5°	3495.2	3546.1	3644.0	3781.0	3949.3	4129.3	4215.4	4305.4	4356.3	4477.6	4505.0
20°	3745.7	3753.6	3847.5	4027.5	4238.9	4403.3	4465.9	4512.9	4493.3	4618.6	4642.0
22.5°	3980.6	3988.4	4105.8	4348.5	4575.5	4716.4	4743.8	4716.4	4657.7	4747.7	4755.5
25°	4219.3	4289.8	4375.9	4618.6	4900.4	5088.2	5092.2	5017.8	4896.4	4912.1	4951.2
27.5°	4591.2	4642.0	4732.1	4955.2	5264.4	5475.7	5440.5	5350.5	5193.9	5205.7	5193.9
30°	5025.6	5072.6	5146.9	5432.7	5659.7	5890.6	5941.5	5855.4	5620.5	5569.7	5628.4
32.5°	5550.1	5616.6	5753.6	6015.9	6207.6	6348.6	6383.8	6352.5	6133.3	6113.7	6152.9
35°	6188.1	6278.1	6403.3	6634.3	6790.8	7045.3	7045.3	6939.6	6740.0	6763.4	6759.5
37.5°	6861.3	6994.4	7190.1	7424.9	7636.3	7773.3	7730.2	7640.2	7440.6	7389.7	7440.6
40°	7706.7	7773.3	8019.8	8325.1	8583.5	8740.0	8556.1	8360.4	7882.9	7957.2	8094.2
42.5°	8477.8	8583.5	8771.3	9107.9	9401.5	9530.7	9311.5	8924.0	8348.6	8289.9	8391.7
45°	9135.3	9248.8	9495.4	9976.9	10286.1	10399.6	9914.2	9288.0	8630.4	8481.7	8524.8
47.5°	9573.7	9632.4	9976.9	10434.8	10716.6	10974.9	10278.2	9538.5	8763.5	8481.7	8466.0
50°	9405.4	9507.2	9910.3	10430.9	10943.6	11127.6	10462.2	9730.3	8806.6	8446.5	8399.5
52.5°	8352.5	8528.7	8978.8	9679.4	10454.4	11111.9	10716.6	9667.6	8790.9	8481.7	8552.2
55°	5812.3	5816.2	6364.2	7397.5	8767.4	10317.4	10344.8	9738.1	8892.7	8700.9	8704.8
57.5°	2336.7	2454.1	2872.9	3910.1	5174.3	7084.4	8423.0	9033.6	8904.4	8857.4	8978.8
60°	591.0	594.9	724.1	1103.8	1820.0	3037.3	4411.1	5968.9	6873.0	7182.2	7225.3
62.5°	301.4	305.3	336.6	391.4	497.1	814.1	1448.2	2297.5	3268.2	3761.4	3890.5
65°	246.6	246.6	266.2	293.6	297.5	313.1	375.7	536.2	778.9	884.6	896.3
67.5°	187.9	187.9	203.5	219.2	227.0	223.1	215.3	223.1	270.1	258.3	250.5
70°	117.4	121.3	129.2	144.8	152.6	156.6	160.5	168.3	191.8	199.6	191.8
72.5°	70.5	70.5	74.4	86.1	97.9	105.7	117.4	125.2	137.0	156.6	152.6
75°	31.3	31.3	39.1	50.9	62.6	74.4	86.1	97.9	105.7	117.4	121.3
77.5°	7.8	11.7	19.6	35.2	47.0	62.6	78.3	90.0	97.9	97.9	93.9
80°	3.9	3.9	15.7	27.4	50.9	66.5	86.1	93.9	105.7	97.9	86.1
82.5°	3.9	3.9	15.7	27.4	47.0	66.5	90.0	101.8	109.6	97.9	82.2
85°	0.0	3.9	11.7	23.5	39.1	47.0	39.1	27.4	15.7	15.7	11.7
87.5°	0.0	0.0	3.9	3.9	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)