

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: P455154

Luminaire Tested: **GALN-SA6B-750-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455154  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SA6B-750-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34813 lumens  
Efficiency: N/A  
Efficacy: 143.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

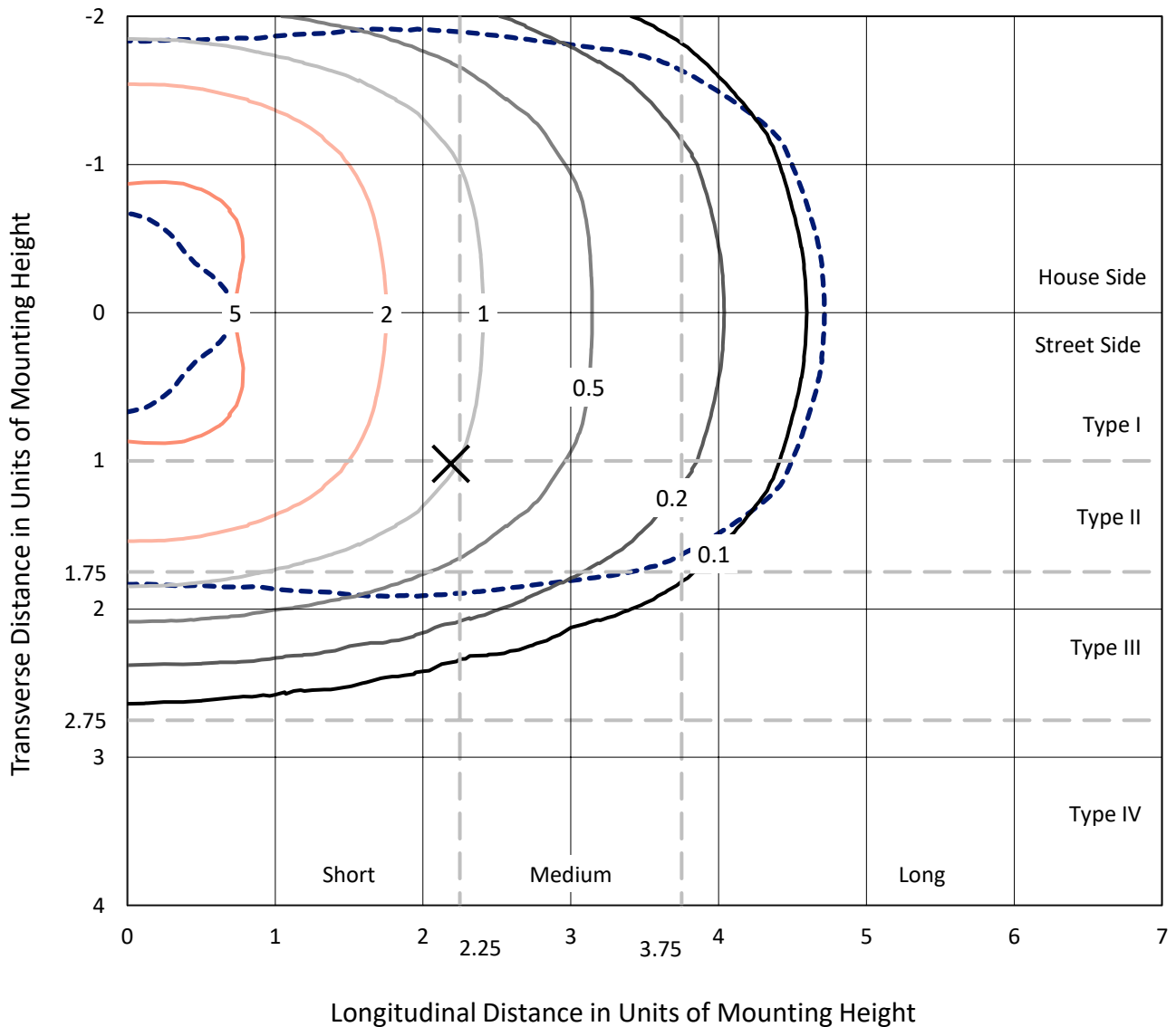
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

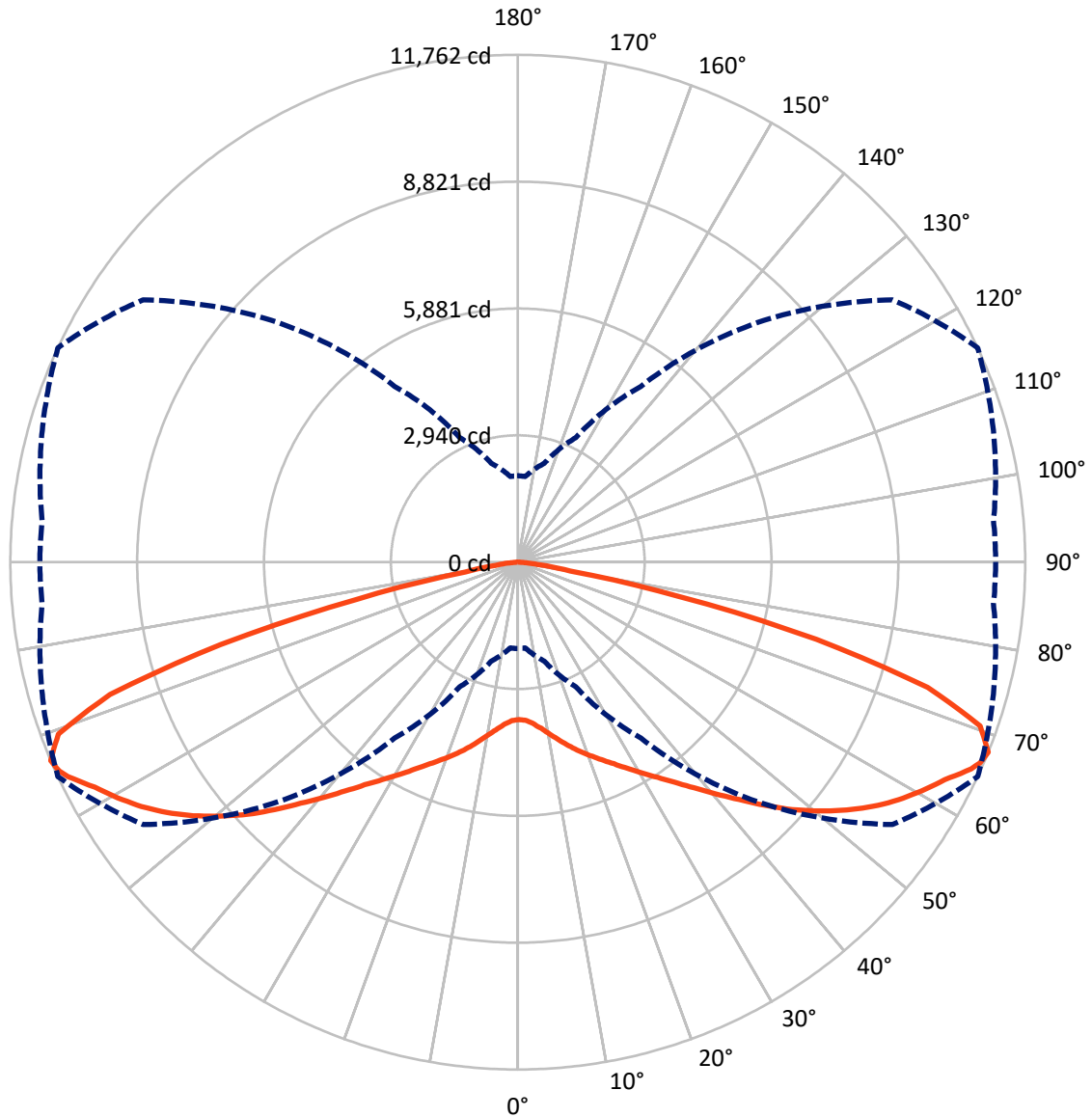
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17406.5	0.0	17406.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17406.5	0.0	17406.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34813.0	0.0	34813.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.6	1.0
10°-20°	1203.6	3.5
20°-30°	2354.4	6.8
30°-40°	4004.6	11.5
40°-50°	6338.0	18.2
50°-60°	8404.1	24.1
60°-70°	7927.6	22.8
70°-80°	3919.0	11.3
80°-90°	302.0	0.9
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°	34813.0	100.0
0°-180°	34813.0	100.0

**Coefficient of Utilization**



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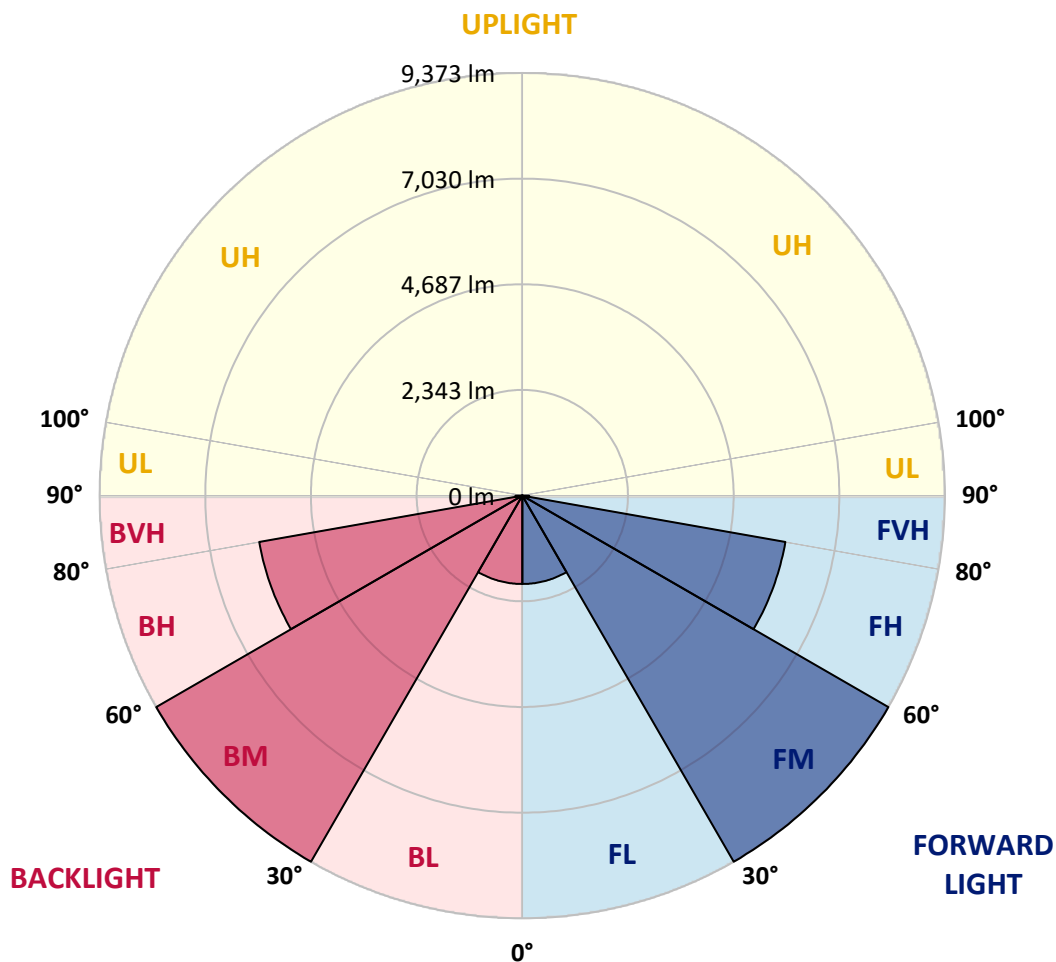
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1958.8	5.6			
FM	(30°-60°)	9373.3	26.9			
FH	(60°-80°)	5923.3	17.0			G3/7500
FVH	(80°-90°)	151.0	0.4			G2/225
BL	(0°-30°)	1958.8	5.6	B3/2500		
BM	(30°-60°)	9373.3	26.9	B5		
BH	(60°-80°)	5923.3	17.0	B5		G5
BVH	(80°-90°)	151.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3646.4	3646.4	3646.4	3646.4	3646.4	3646.4	3646.4	3646.4	3646.4	3646.4	3646.4
2.5°	3627.7	3631.4	3635.2	3640.8	3648.2	3659.4	3666.9	3672.5	3687.4	3689.3	3687.4
5°	3614.6	3618.4	3627.7	3644.5	3668.7	3702.3	3728.4	3760.1	3784.4	3801.2	3797.4
7.5°	3612.8	3620.2	3635.2	3670.6	3717.2	3775.0	3834.7	3888.8	3935.5	3972.8	3967.2
10°	3642.6	3652.0	3676.2	3728.4	3801.2	3885.1	3969.0	4049.2	4116.4	4164.9	4181.7
12.5°	3693.0	3700.4	3745.2	3823.5	3928.0	4032.4	4127.6	4226.4	4319.7	4401.7	4401.7
15°	3780.6	3793.7	3849.7	3963.4	4092.1	4213.4	4310.3	4414.8	4515.5	4608.8	4636.7
17.5°	3901.9	3920.5	4004.5	4149.9	4314.1	4426.0	4517.4	4603.2	4690.8	4780.4	4793.4
20°	4067.9	4086.5	4198.4	4373.8	4567.7	4702.0	4763.6	4784.1	4827.0	4912.8	4924.0
22.5°	4293.6	4312.2	4437.2	4634.9	4851.2	4996.7	5022.8	4974.3	4963.1	5030.3	5037.8
25°	4549.1	4565.9	4709.5	4922.1	5145.9	5304.5	5297.0	5177.6	5110.5	5151.5	5162.7
27.5°	4836.3	4860.6	5006.0	5226.1	5468.6	5608.5	5586.1	5412.6	5269.0	5261.6	5265.3
30°	5203.7	5229.9	5367.9	5578.6	5817.4	5946.1	5899.4	5666.3	5444.4	5369.7	5369.7
32.5°	5591.7	5657.0	5796.9	6017.0	6203.5	6296.7	6225.8	5946.1	5651.4	5546.9	5541.3
35°	6097.2	6132.6	6270.6	6485.1	6625.0	6697.7	6561.6	6261.3	5921.8	5798.7	5781.9
37.5°	6591.4	6621.3	6781.7	6986.8	7156.6	7152.8	6968.2	6636.2	6257.6	6119.5	6108.3
40°	7096.9	7128.6	7311.4	7499.7	7669.5	7654.5	7430.7	7059.6	6656.7	6501.9	6531.7
42.5°	7535.2	7570.6	7777.6	8046.2	8199.2	8195.4	7936.2	7518.4	7098.7	6960.7	6986.8
45°	7934.3	7966.0	8206.6	8514.4	8738.2	8766.2	8482.7	8040.6	7609.8	7432.6	7440.1
47.5°	8216.0	8275.6	8527.4	8879.9	9184.0	9282.8	9004.9	8572.2	8076.1	7891.4	7902.6
50°	8430.4	8467.7	8741.9	9142.9	9527.2	9732.3	9508.5	9064.6	8542.4	8346.5	8372.6
52.5°	8456.6	8501.3	8799.7	9262.3	9754.7	10066.2	9956.1	9545.8	9018.0	8816.5	8872.5
55°	8243.9	8270.0	8626.3	9187.7	9844.2	10314.2	10342.2	9993.4	9471.2	9318.3	9355.6
57.5°	7637.8	7704.9	8156.3	8838.9	9721.1	10446.7	10631.3	10400.0	9930.0	9778.9	9838.6
60°	6643.6	6710.8	7164.0	8029.4	9256.7	10385.1	10870.1	10760.0	10345.9	10224.7	10256.4
62.5°	5205.6	5200.0	5761.4	6822.7	8333.5	10083.0	11047.2	11106.9	10756.3	10603.3	10651.8
65°	3374.0	3390.8	3933.6	5076.9	6940.2	9314.5	11086.4	11549.0	11159.2	10927.9	10963.3
66°	2713.8	2764.1	3224.8	4278.6	6229.6	8810.9	10968.9	11679.5	11282.3	11002.5	11019.3
67.5°	2003.2	1993.8	2372.5	3185.7	4974.3	7854.1	10601.5	11761.6	11422.1	11069.6	11077.1
70°	1143.3	1141.5	1275.8	1749.5	2924.5	5530.1	8935.9	11368.0	11705.6	11312.1	11291.6
72.5°	835.6	830.0	848.6	966.1	1426.8	2792.1	6164.3	9935.6	11560.2	11272.9	11215.1
75°	701.3	697.6	693.8	708.8	800.1	1264.6	3271.5	7147.2	10030.7	10581.0	10521.3
77.5°	572.6	572.6	574.5	570.7	574.5	665.9	1356.0	3831.0	6108.3	6819.0	6985.0
80°	447.6	445.8	477.5	464.4	434.6	427.1	600.6	1232.9	2027.4	2016.2	1663.7
82.5°	330.1	307.7	363.7	354.4	320.8	272.3	350.6	526.0	677.0	440.2	326.4
85°	208.9	207.0	257.4	235.0	195.8	128.7	167.9	225.7	279.8	169.7	138.0
87.5°	37.3	35.4	82.1	59.7	59.7	37.3	46.6	61.5	91.4	63.4	46.6
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)