

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: P531135

Luminaire Tested: **GALN-SA6B-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18420 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

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

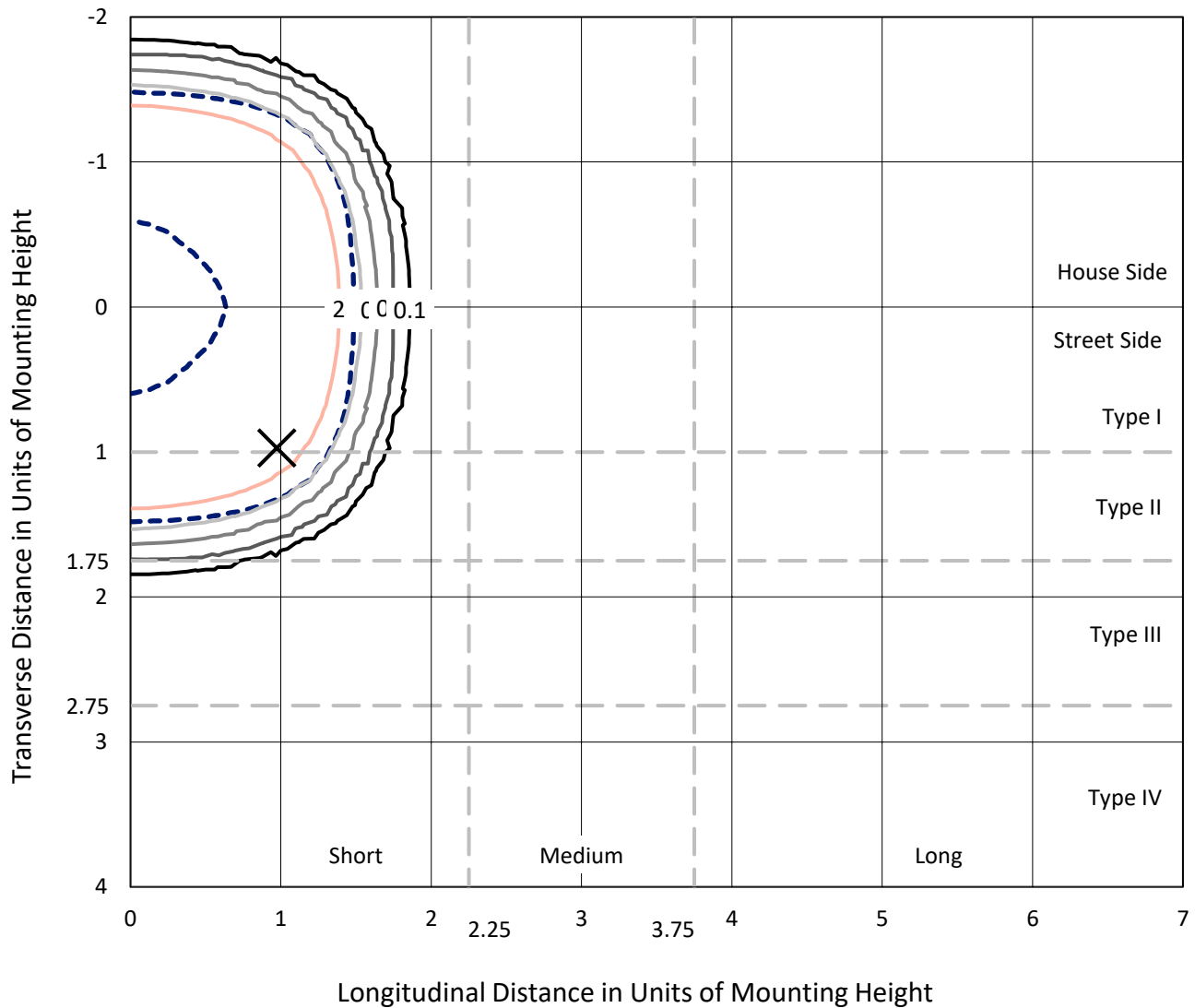


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Iso-Footcandle Lines of Horizontal Illumination

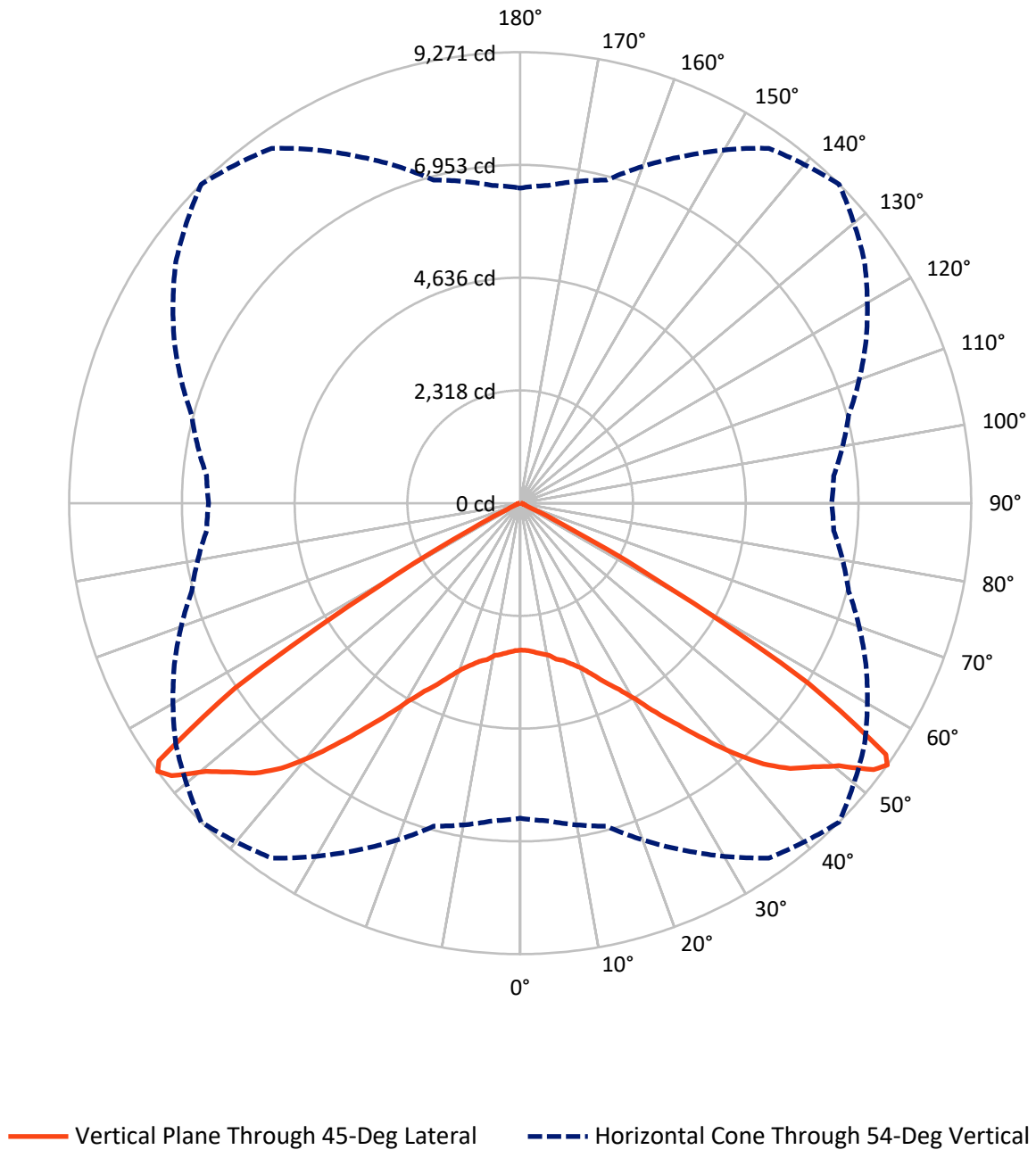
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	9210.0	0.0	9210.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9210.0	0.0	9210.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18420.0	0.0	18420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.6	1.6
10°-20°	957.3	5.2
20°-30°	1876.3	10.2
30°-40°	3374.0	18.3
40°-50°	5775.6	31.4
50°-60°	5588.4	30.3
60°-70°	478.4	2.6
70°-80°	56.7	0.3
80°-90°	17.8	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°	18420.0	100.0
0°-180°	18420.0	100.0

Coefficient of Utilization



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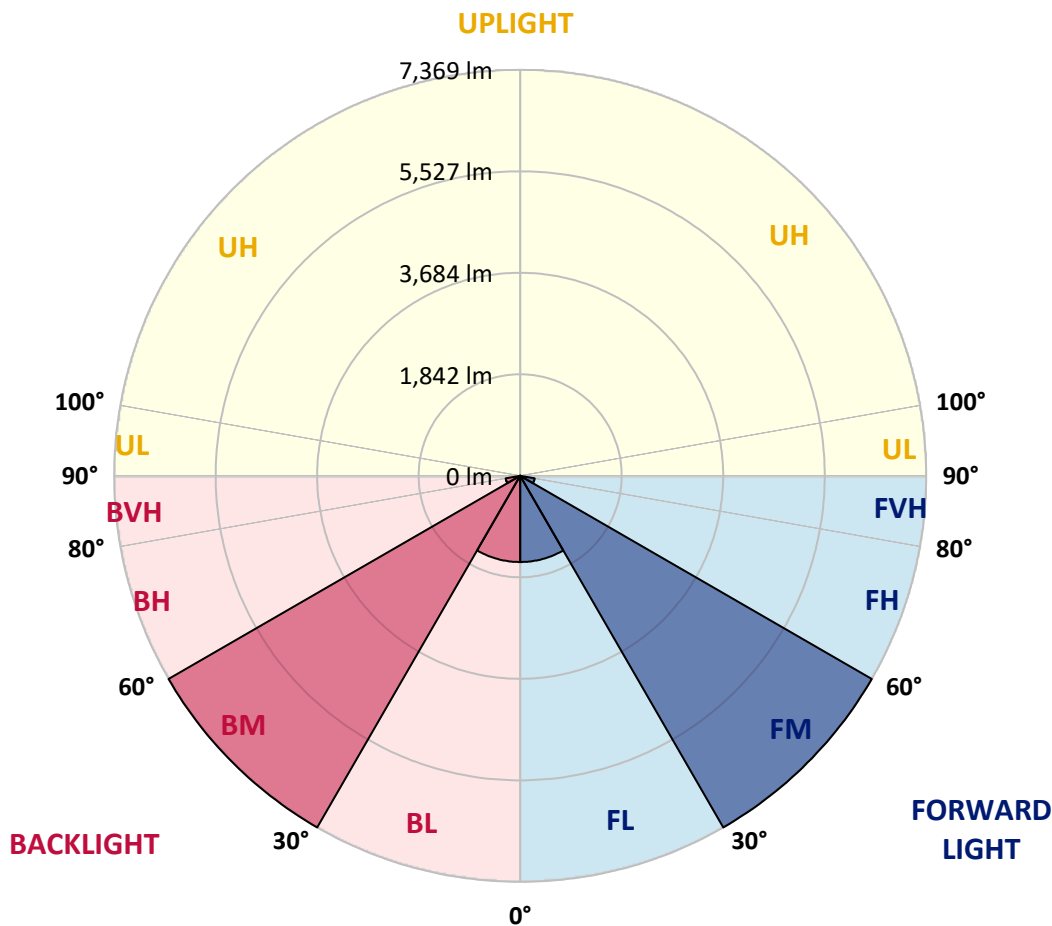
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1564.6	8.5			
FM	(30°-60°)	7369.0	40.0			
FH	(60°-80°)	267.5	1.5			G0/660
FVH	(80°-90°)	8.9	0.0			G0/10
BL	(0°-30°)	1564.6	8.5	B3/2500		
BM	(30°-60°)	7369.0	40.0	B4/8500		
BH	(60°-80°)	267.5	1.5	B1/500		G0/660
BVH	(80°-90°)	8.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3020.3	3020.3	3020.3	3020.3	3020.3	3020.3	3020.3	3020.3	3020.3	3020.3	3020.3
2.5°	3034.9	3052.4	3040.7	3049.5	3049.5	3034.9	3043.7	3008.6	3032.0	3014.5	3017.4
5°	3081.6	3078.7	3078.7	3081.6	3069.9	3075.8	3064.1	3052.4	3043.7	3032.0	3067.0
7.5°	3140.0	3140.0	3119.5	3125.4	3119.5	3128.3	3104.9	3081.6	3072.8	3064.1	3058.2
10°	3195.4	3189.6	3180.8	3207.1	3186.6	3175.0	3163.3	3148.7	3116.6	3104.9	3093.3
12.5°	3277.1	3274.2	3262.5	3288.8	3277.1	3288.8	3245.0	3207.1	3201.2	3163.3	3183.7
15°	3373.4	3399.7	3379.2	3379.2	3373.4	3358.8	3341.3	3323.8	3271.3	3256.7	3259.6
17.5°	3498.9	3490.1	3493.0	3493.0	3522.2	3484.3	3449.3	3405.5	3379.2	3370.5	3341.3
20°	3618.5	3630.2	3627.3	3647.7	3665.2	3624.4	3586.4	3580.6	3507.6	3519.3	3478.5
22.5°	3828.6	3819.9	3834.5	3849.1	3837.4	3831.6	3796.5	3752.8	3688.6	3659.4	3653.5
25°	4050.4	4035.8	4009.6	4044.6	4062.1	4088.4	4021.2	3997.9	3898.7	3854.9	3857.8
27.5°	4240.1	4260.5	4289.7	4304.3	4348.1	4339.3	4292.6	4216.8	4140.9	4091.3	4059.2
30°	4499.8	4511.5	4561.1	4581.5	4657.4	4677.8	4604.9	4517.3	4383.1	4318.9	4281.0
32.5°	4739.1	4820.8	4817.9	4920.0	5042.6	5127.2	4995.9	4861.7	4727.4	4651.6	4584.4
35°	5127.2	5112.6	5197.3	5305.2	5503.7	5600.0	5457.0	5302.3	5098.0	4975.5	4923.0
37.5°	5489.1	5494.9	5608.7	5780.9	6008.5	6157.3	6031.9	5778.0	5567.9	5410.3	5337.3
40°	6014.3	6026.0	6142.7	6338.3	6595.1	6755.6	6609.7	6352.9	6072.7	5950.1	5950.1
42.5°	6630.1	6679.7	6755.6	6924.8	7155.4	7333.4	7202.0	7000.7	6717.6	6560.0	6583.4
45°	7263.3	7286.7	7336.3	7587.2	7695.2	7782.8	7660.2	7566.8	7377.1	7184.5	7152.4
47.5°	7855.7	7864.5	8010.4	8089.2	8173.8	8100.8	8179.6	8057.1	7844.0	7657.3	7619.3
50°	8118.3	8103.8	8310.9	8550.2	8614.4	8486.0	8418.9	8337.2	8013.3	7788.6	7689.4
52.5°	7353.8	7438.4	7823.6	8489.0	8990.9	9098.9	8707.8	8331.4	7727.3	7289.6	7222.5
54°	6478.3	6557.1	6875.2	7861.6	8906.3	9271.0	8640.7	7841.1	6989.0	6469.6	6402.5
55°	5611.6	5524.1	6101.9	7108.7	8509.4	9119.3	8375.1	7207.9	6233.2	5757.5	5664.2
57.5°	3037.8	3052.4	3539.7	4491.1	5979.3	6991.9	6174.8	4876.3	3682.7	3148.7	3102.0
60°	963.0	986.3	1199.4	1815.1	2856.9	3411.3	2924.0	1958.1	1354.0	1085.6	1041.8
62.5°	300.6	312.2	341.4	507.8	782.1	1117.7	875.5	525.3	391.0	358.9	364.8
65°	183.8	183.8	186.8	198.4	233.5	271.4	262.6	230.5	221.8	215.9	213.0
67.5°	119.6	116.7	122.6	131.3	137.2	140.1	148.8	157.6	154.7	148.8	148.8
70°	73.0	70.0	75.9	87.5	90.5	96.3	105.1	116.7	113.8	108.0	110.9
72.5°	40.9	40.9	43.8	52.5	61.3	67.1	75.9	84.6	87.5	84.6	84.6
75°	14.6	17.5	23.3	32.1	37.9	46.7	55.4	64.2	73.0	67.1	64.2
77.5°	5.8	5.8	11.7	20.4	29.2	37.9	52.5	61.3	67.1	61.3	55.4
80°	2.9	2.9	8.8	17.5	26.3	35.0	43.8	52.5	55.4	49.6	43.8
82.5°	2.9	2.9	8.8	17.5	26.3	32.1	46.7	52.5	58.4	52.5	43.8
85°	0.0	2.9	8.8	17.5	23.3	26.3	26.3	17.5	14.6	8.8	8.8
87.5°	0.0	0.0	2.9	0.0	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)