

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: P949850

Luminaire Tested: **GALN-SB4C-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29173 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 200.7
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

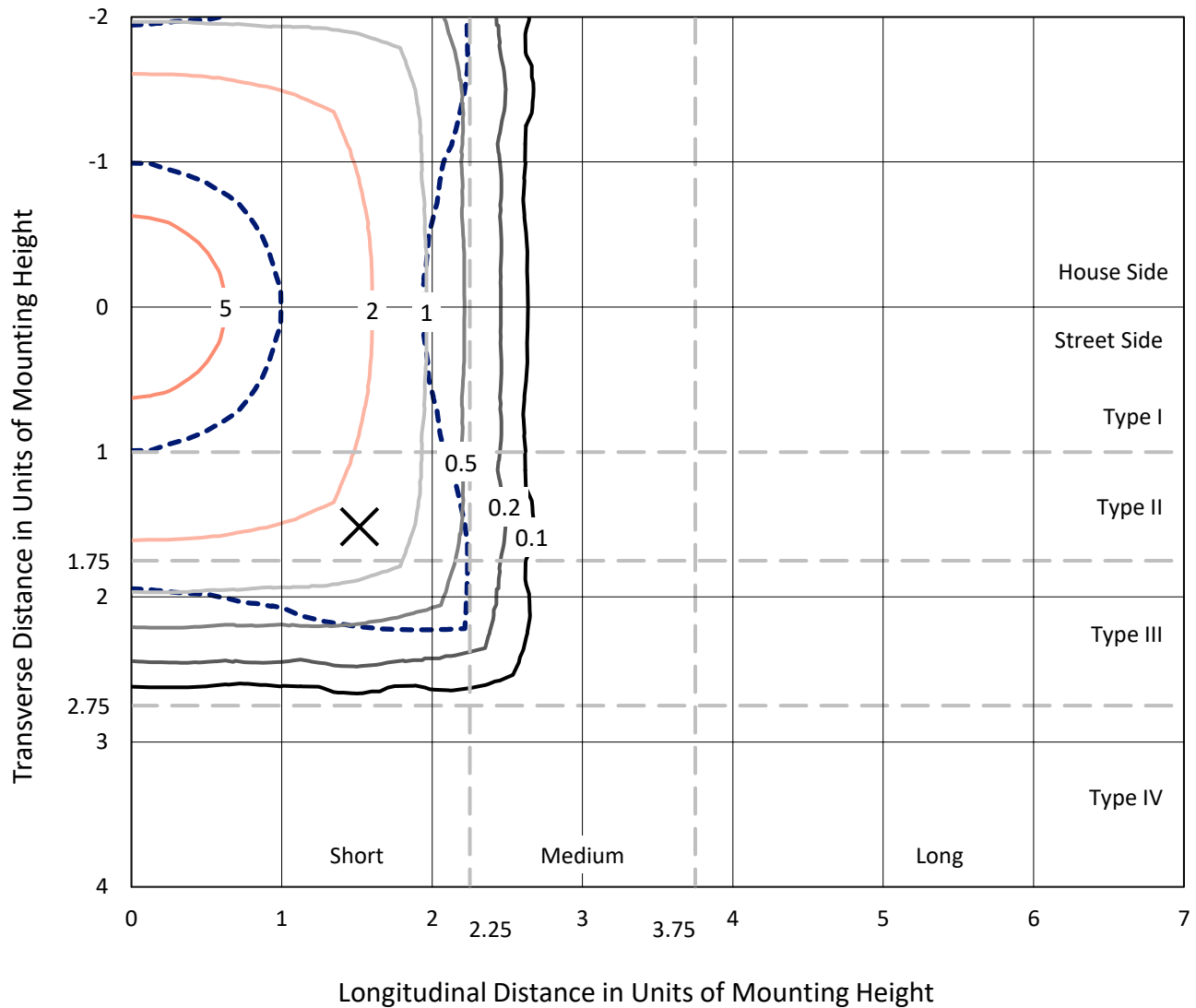


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

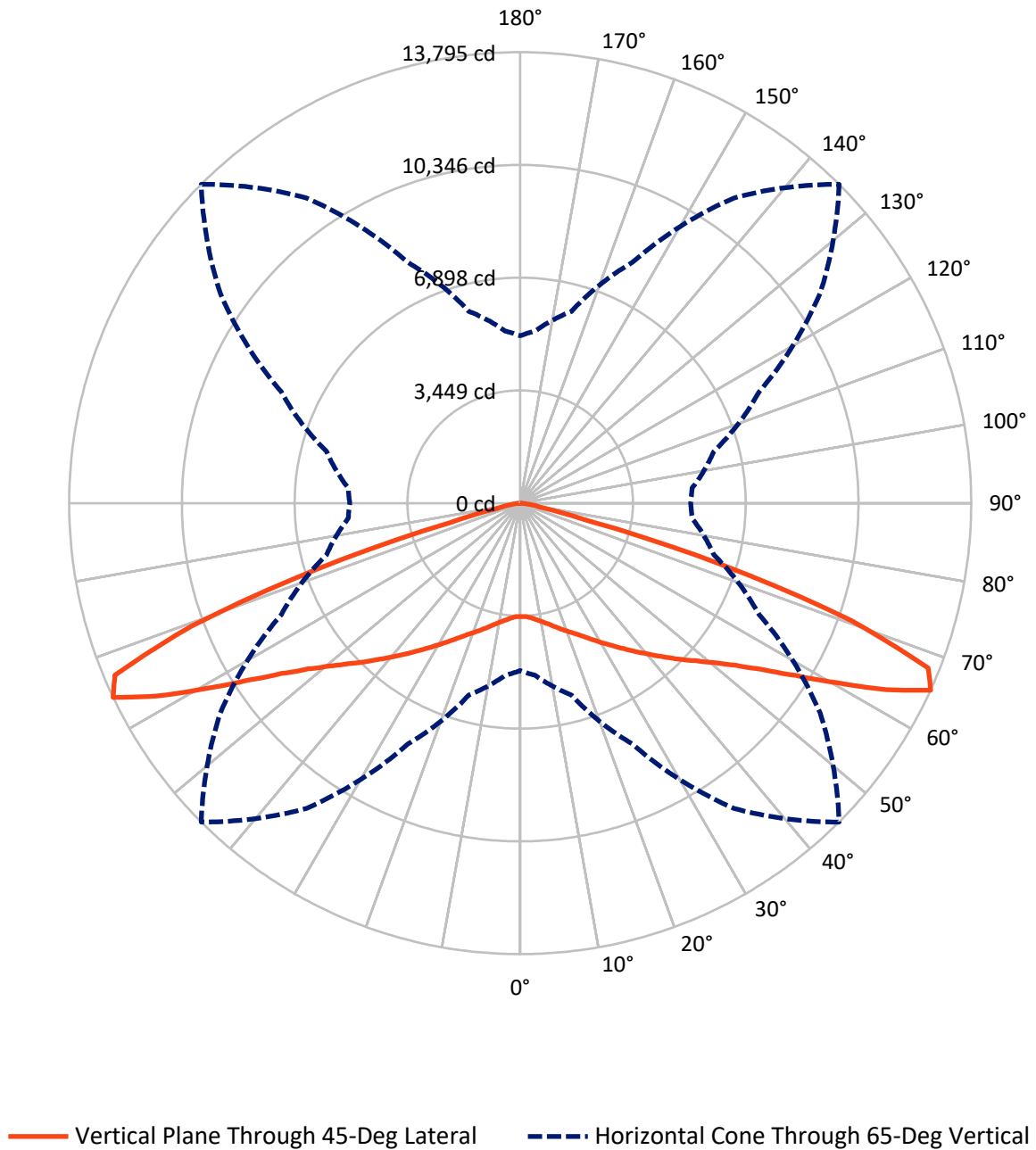


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14586.5	0.0	14586.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14586.5	0.0	14586.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29173.0	0.0	29173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.6	1.2
10°-20°	1118.1	3.8
20°-30°	2111.0	7.2
30°-40°	3456.7	11.8
40°-50°	5359.7	18.4
50°-60°	7917.4	27.1
60°-70°	7536.6	25.8
70°-80°	1216.1	4.2
80°-90°	114.6	0.4
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°	29173.0	100.0
0°-180°	29173.0	100.0

Coefficient of Utilization



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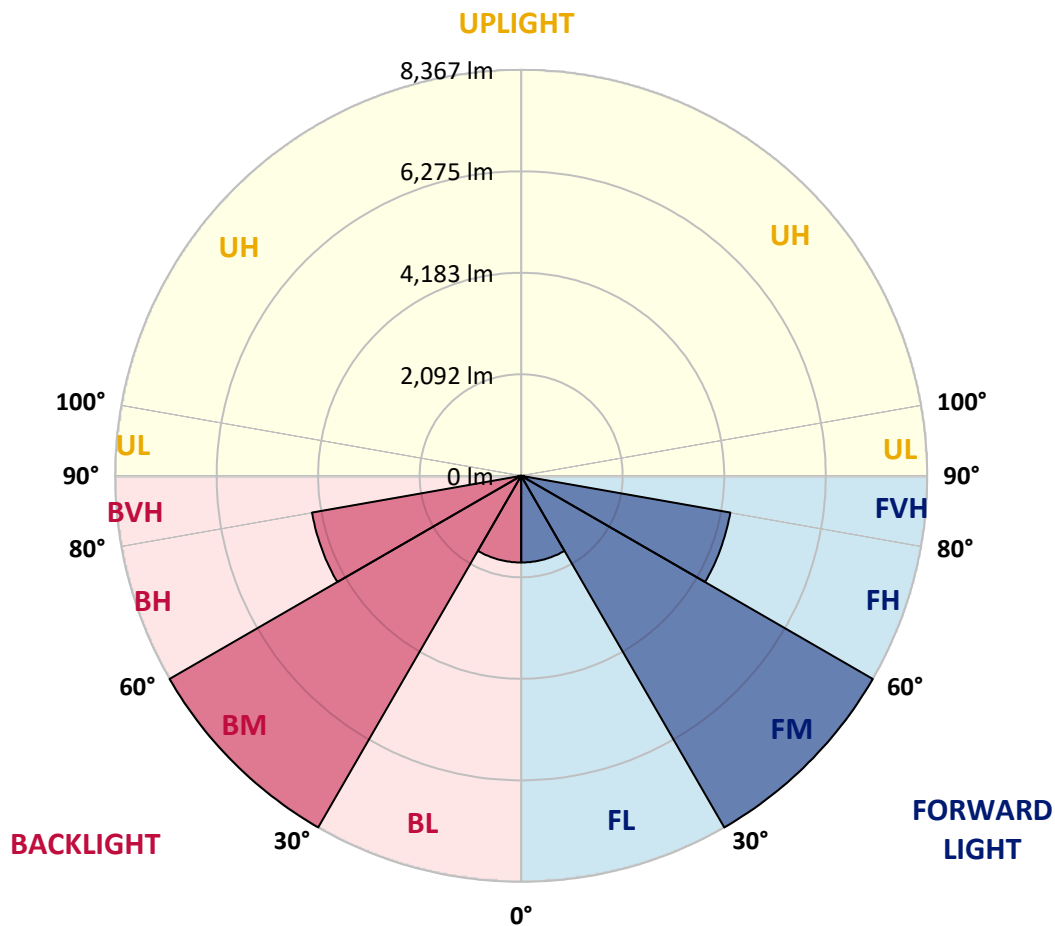
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1785.9	6.1			
FM	(30°-60°)	8366.9	28.7			
FH	(60°-80°)	4376.4	15.0			G2/5000
FVH	(80°-90°)	57.3	0.2			G1/100
BL	(0°-30°)	1785.9	6.1	B3/2500		
BM	(30°-60°)	8366.9	28.7	B4/8500		
BH	(60°-80°)	4376.4	15.0	B4/5000		G2/5000
BVH	(80°-90°)	57.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9	3471.9
2.5°	3495.3	3483.6	3492.4	3485.1	3479.2	3473.3	3476.3	3486.5	3490.9	3492.4	3492.4
5°	3542.1	3531.9	3536.3	3536.3	3526.0	3523.1	3524.6	3531.9	3540.7	3540.7	3540.7
7.5°	3618.2	3608.0	3618.2	3612.4	3603.6	3600.7	3599.2	3605.1	3618.2	3618.2	3613.9
10°	3710.5	3698.8	3704.6	3701.7	3691.4	3687.0	3685.6	3694.4	3706.1	3704.6	3701.7
12.5°	3811.5	3798.3	3805.6	3796.8	3793.9	3789.5	3789.5	3788.0	3795.4	3789.5	3792.4
15°	3924.2	3915.4	3918.3	3912.5	3916.8	3913.9	3902.2	3896.3	3899.3	3890.5	3892.0
17.5°	4057.4	4036.9	4047.1	4044.2	4044.2	4050.0	4031.0	4023.7	4029.5	4020.8	4028.1
20°	4211.0	4190.6	4194.9	4189.1	4181.8	4187.6	4164.2	4170.1	4174.5	4168.6	4181.8
22.5°	4379.4	4353.0	4351.6	4354.5	4338.4	4339.8	4323.7	4338.4	4347.2	4331.1	4347.2
25°	4552.1	4524.3	4543.3	4536.0	4515.5	4519.9	4508.2	4522.8	4530.1	4509.6	4533.1
27.5°	4735.0	4716.0	4733.6	4738.0	4713.1	4730.7	4713.1	4726.3	4733.6	4702.8	4726.3
30°	4948.7	4929.7	4945.8	4957.5	4928.3	4956.1	4941.4	4950.2	4951.7	4915.1	4937.0
32.5°	5181.5	5152.2	5193.2	5199.0	5166.8	5200.5	5181.5	5193.2	5200.5	5150.7	5184.4
35°	5465.4	5428.8	5475.7	5468.4	5440.5	5468.4	5450.8	5468.4	5485.9	5425.9	5462.5
37.5°	5771.3	5733.3	5783.0	5769.9	5743.5	5762.6	5752.3	5764.0	5791.8	5727.4	5766.9
40°	6108.0	6061.2	6128.5	6105.1	6080.2	6077.3	6083.1	6090.4	6127.0	6055.3	6078.7
42.5°	6468.1	6418.3	6519.3	6482.7	6447.6	6424.1	6443.2	6457.8	6492.9	6412.4	6454.9
45°	6879.4	6822.3	6954.0	6910.1	6854.5	6806.2	6836.9	6858.9	6910.1	6813.5	6863.3
47.5°	7333.1	7268.7	7409.2	7396.0	7305.3	7199.9	7270.2	7333.1	7371.2	7254.1	7293.6
50°	7776.6	7726.8	7911.3	7927.4	7816.1	7668.3	7766.4	7861.5	7871.7	7718.1	7737.1
52.5°	8192.3	8142.5	8410.4	8511.4	8411.8	8236.2	8340.1	8436.7	8359.1	8160.1	8165.9
55°	8524.5	8483.6	8824.6	9085.1	9118.8	8973.9	9035.4	9032.4	8777.8	8471.9	8482.1
57.5°	8605.0	8599.2	9029.5	9581.3	9932.6	9950.2	9828.7	9518.4	8969.5	8558.2	8531.9
60°	8239.1	8275.7	8867.0	9840.4	10777.2	11166.5	10641.0	9755.5	8751.4	8180.6	8113.2
62.5°	7144.3	7240.9	7953.7	9524.2	11459.2	12565.8	11292.4	9395.4	7855.6	7110.6	7066.7
65°	5120.0	5288.3	6075.8	8127.9	11397.8	13795.3	11198.7	8062.0	6134.3	5275.1	5212.2
67.5°	2322.9	2494.1	3163.0	5565.0	9907.7	13461.6	9884.3	5623.5	3321.1	2502.9	2466.3
70°	841.6	870.9	1086.1	2227.7	6331.9	10725.9	6602.7	2243.8	1154.9	928.0	916.3
72.5°	509.4	513.8	559.1	797.7	2199.9	6512.0	2293.6	824.1	570.8	506.4	515.2
75°	323.5	320.5	398.1	487.4	780.1	2197.0	818.2	487.4	396.7	361.5	364.5
77.5°	232.7	240.0	285.4	364.5	491.8	745.0	483.0	348.4	285.4	234.2	238.6
80°	174.2	178.6	207.8	284.0	345.4	464.0	307.4	257.6	215.2	146.4	150.8
82.5°	125.9	125.9	136.1	206.4	210.8	250.3	166.9	181.5	142.0	103.9	103.9
85°	74.6	73.2	84.9	123.0	109.8	92.2	76.1	111.2	89.3	64.4	62.9
87.5°	26.3	27.8	26.3	35.1	29.3	24.9	23.4	30.7	24.9	22.0	20.5
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)