

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: P943280

Luminaire Tested: **GALN-SB7C-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39038 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

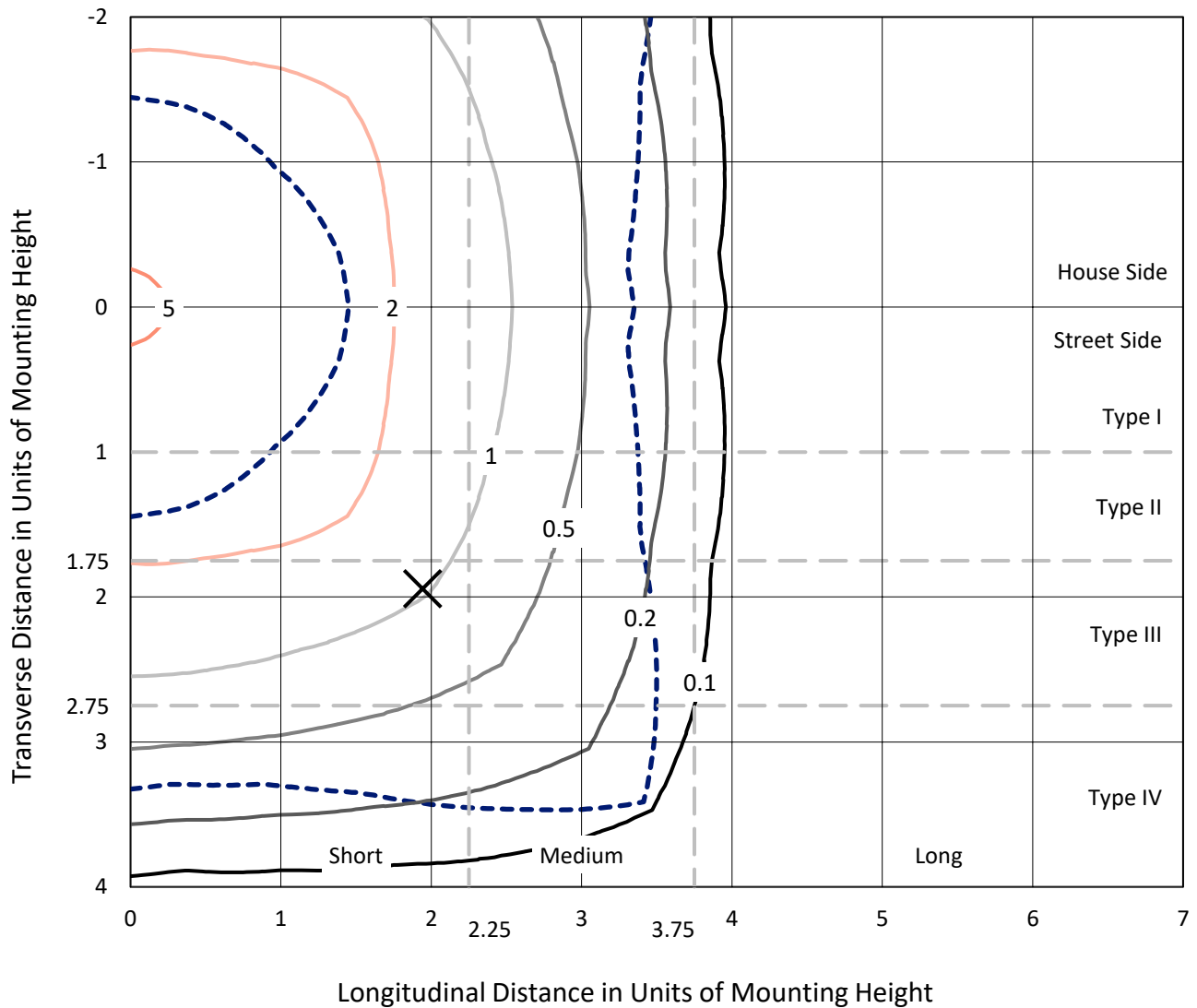
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

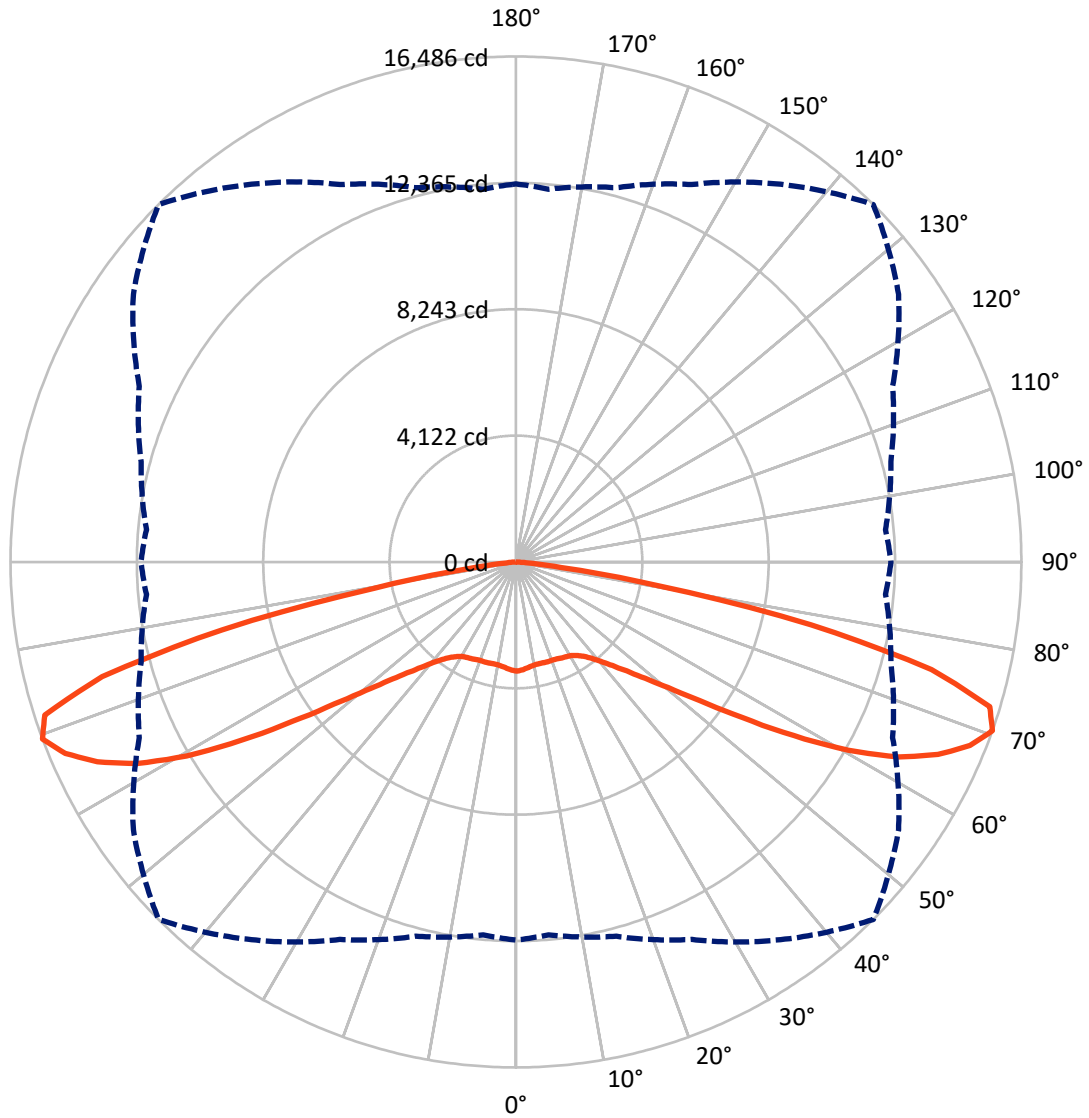
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19519.0	0.0	19519.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19519.0	0.0	19519.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39038.0	0.0	39038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.3	0.8
10°-20°	972.7	2.5
20°-30°	1618.7	4.1
30°-40°	2447.9	6.3
40°-50°	4067.8	10.4
50°-60°	7675.8	19.7
60°-70°	12961.0	33.2
70°-80°	8516.7	21.8
80°-90°	446.2	1.1
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°	39038.0	100.0
0°-180°	39038.0	100.0

Coefficient of Utilization



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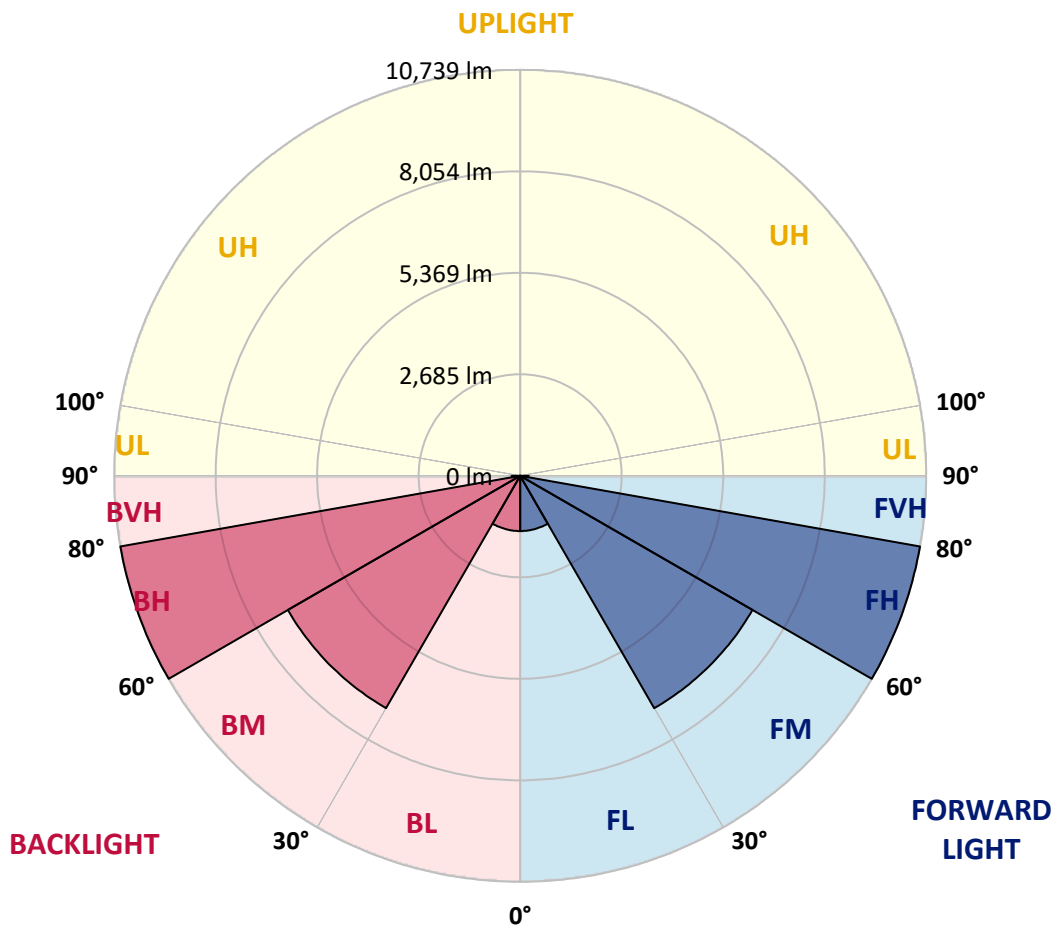
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1461.3	3.7			
FM (30°-60°)	7095.8	18.2			
FH (60°-80°)	10738.8	27.5			G4/12000
FVH (80°-90°)	223.1	0.6			G2/225
BL (0°-30°)	1461.3	3.7	B3/2500		
BM (30°-60°)	7095.8	18.2	B4/8500		
BH (60°-80°)	10738.8	27.5	B5		G4/12000
BVH (80°-90°)	223.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3561.1	3561.1	3561.1	3561.1	3561.1	3561.1	3561.1	3561.1	3561.1	3561.1
2.5°	3538.7	3548.9	3544.8	3536.7	3536.7	3530.6	3536.7	3540.8	3546.8	3550.9
5°	3492.1	3500.2	3498.1	3492.1	3494.1	3488.0	3492.1	3498.1	3502.2	3504.2
7.5°	3451.5	3459.6	3455.5	3445.4	3445.4	3439.3	3441.3	3447.4	3453.5	3455.5
10°	3441.3	3449.5	3437.3	3421.0	3415.0	3406.8	3408.9	3415.0	3427.1	3433.2
12.5°	3445.4	3451.5	3439.3	3415.0	3408.9	3400.8	3400.8	3406.8	3423.1	3431.2
15°	3457.6	3463.7	3445.4	3419.0	3412.9	3406.8	3404.8	3412.9	3431.2	3445.4
17.5°	3479.9	3486.0	3457.6	3421.0	3412.9	3415.0	3412.9	3419.0	3447.4	3473.8
20°	3500.2	3504.2	3465.7	3421.0	3412.9	3415.0	3412.9	3425.1	3461.6	3498.1
22.5°	3506.3	3510.3	3473.8	3435.2	3429.2	3431.2	3429.2	3441.3	3475.8	3512.4
25°	3508.3	3514.4	3486.0	3455.5	3465.7	3469.7	3465.7	3467.7	3494.1	3526.6
27.5°	3538.7	3546.8	3520.5	3494.1	3500.2	3498.1	3504.2	3510.3	3530.6	3563.1
30°	3601.6	3607.7	3585.4	3559.0	3555.0	3540.8	3559.0	3579.3	3601.6	3630.0
32.5°	3705.1	3717.3	3688.9	3660.5	3642.2	3634.1	3648.3	3682.8	3713.2	3743.7
35°	3877.6	3885.7	3859.3	3806.6	3774.1	3774.1	3786.3	3830.9	3879.6	3918.2
37.5°	4121.1	4131.2	4084.6	4021.7	3973.0	3973.0	3989.2	4035.9	4108.9	4163.7
40°	4417.3	4431.5	4372.7	4307.8	4261.1	4253.0	4273.3	4326.0	4395.0	4464.0
42.5°	4774.4	4790.7	4713.6	4656.8	4620.2	4620.2	4630.4	4679.1	4742.0	4827.2
45°	5231.0	5259.4	5153.9	5097.1	5062.6	5070.7	5076.8	5119.4	5176.2	5273.6
47.5°	5774.8	5803.2	5691.6	5632.8	5626.7	5665.2	5640.9	5671.3	5701.7	5813.3
50°	6391.6	6440.3	6363.2	6359.2	6371.3	6442.4	6385.5	6401.8	6367.3	6438.3
52.5°	7146.5	7217.5	7203.3	7227.6	7363.6	7509.7	7379.8	7323.0	7193.1	7215.4
55°	8061.6	8169.1	8189.4	8335.5	8643.9	8942.2	8666.2	8437.0	8161.0	8110.3
57.5°	9102.5	9187.7	9285.1	9583.4	10159.6	10689.2	10159.6	9652.4	9218.2	9114.7
60°	10222.6	10328.1	10421.4	10861.7	11718.0	12462.7	11701.8	10896.2	10322.0	10182.0
62.5°	11425.8	11561.8	11626.7	12115.7	13114.0	14002.7	13128.2	12152.2	11515.1	11364.9
65°	12580.4	12692.0	12765.0	13286.5	14240.1	15130.9	14305.1	13343.3	12687.9	12491.1
67.5°	13118.1	13178.9	13357.5	13948.0	14954.4	15971.0	15124.8	14010.9	13278.4	12933.4
70°	12330.8	12207.0	12637.2	13582.7	15039.6	16486.3	15234.4	13554.3	12657.5	12097.4
72.5°	9528.6	9315.5	10062.3	11679.4	14065.6	16157.6	14163.0	11770.7	10526.9	9390.6
75°	5184.3	4942.9	5973.6	8019.0	11216.8	14004.8	11474.5	8248.2	6651.4	5145.8
77.5°	1463.0	1371.7	2203.6	3879.6	6746.7	9833.0	7006.4	3964.8	2613.5	1550.2
80°	448.4	434.2	588.4	1168.8	2865.1	4709.5	2753.5	1183.0	748.7	472.8
82.5°	265.8	243.5	292.2	426.1	730.5	1479.2	710.2	444.4	357.1	239.4
85°	152.2	142.0	172.5	207.0	245.5	314.5	204.9	211.0	190.7	127.8
87.5°	62.9	56.8	67.0	64.9	56.8	73.0	54.8	64.9	77.1	50.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3561.1
3548.9
3504.2
3455.5
3433.2
3433.2
3447.4
3473.8
3500.2
3512.4
3524.5
3555.0
3624.0
3731.5
3904.0
4143.4
4441.7
4821.1
5269.5
5780.9
6395.7
7140.4
8031.1
9041.6
10060.2
11243.2
12393.7
12937.5
12231.3
9672.7
5480.6
1722.7
499.2
259.7
133.9
46.7
0.0

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