

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: P951340

Luminaire Tested: **GALN-SB5C-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41915 lumens
Efficiency: N/A
Efficacy: 168.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

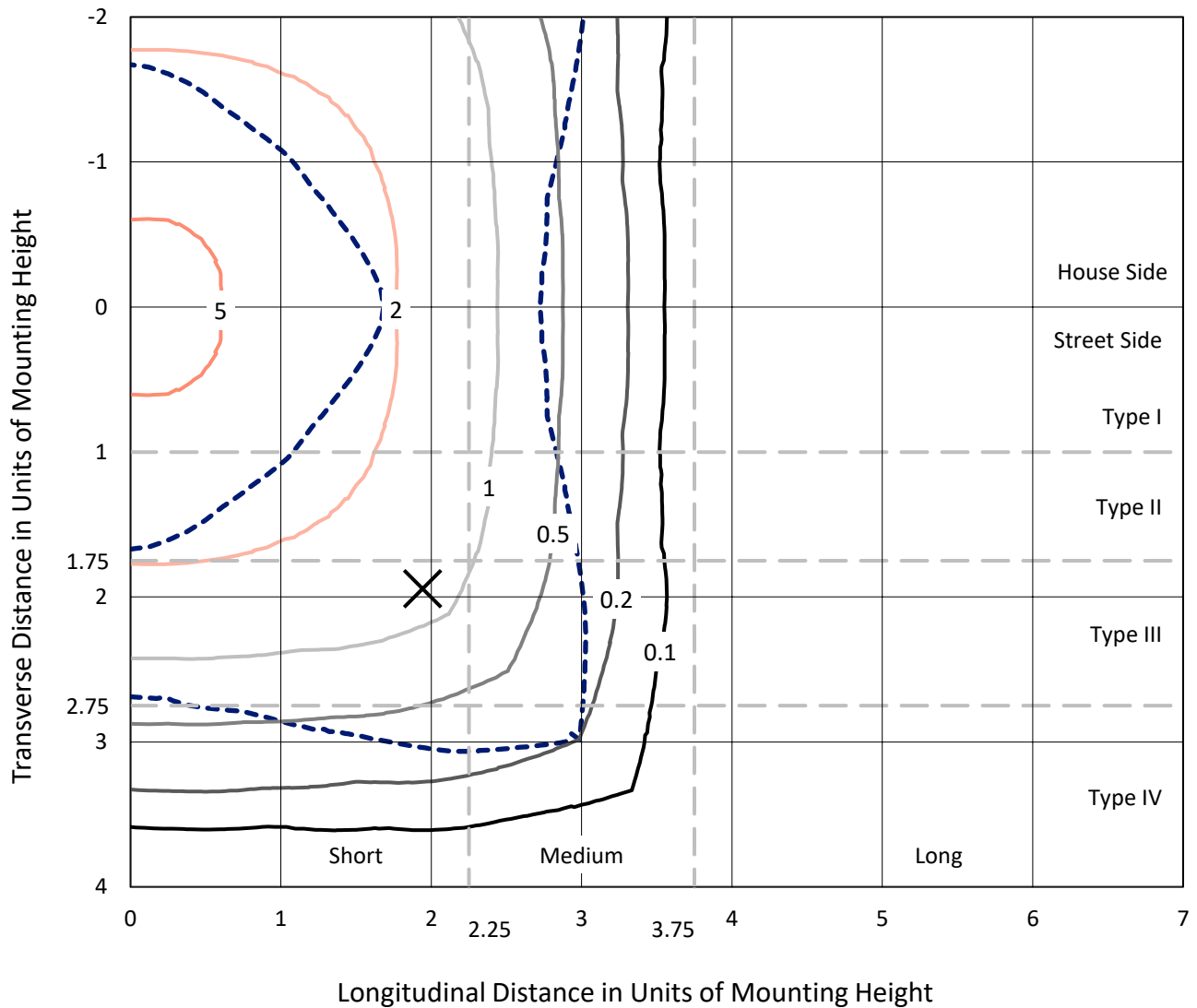
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

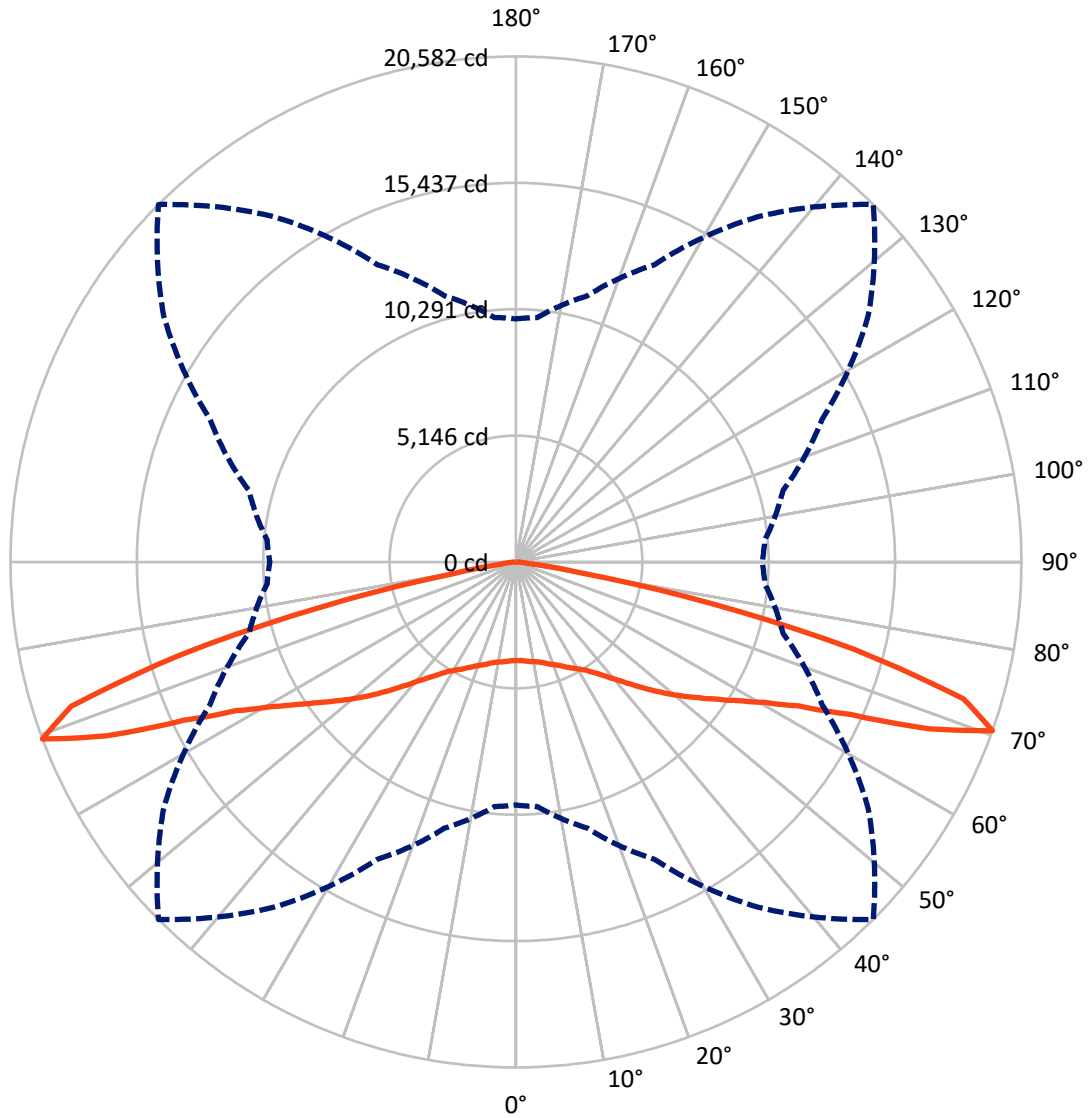
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	20957.5	0.0	20957.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20957.5	0.0	20957.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41915.0	0.0	41915.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.1	0.9
10°-20°	1209.5	2.9
20°-30°	2161.6	5.2
30°-40°	3503.9	8.4
40°-50°	5707.2	13.6
50°-60°	8701.6	20.8
60°-70°	12945.2	30.9
70°-80°	7055.6	16.8
80°-90°	240.3	0.6
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°	41915.0	100.0
0°-180°	41915.0	100.0



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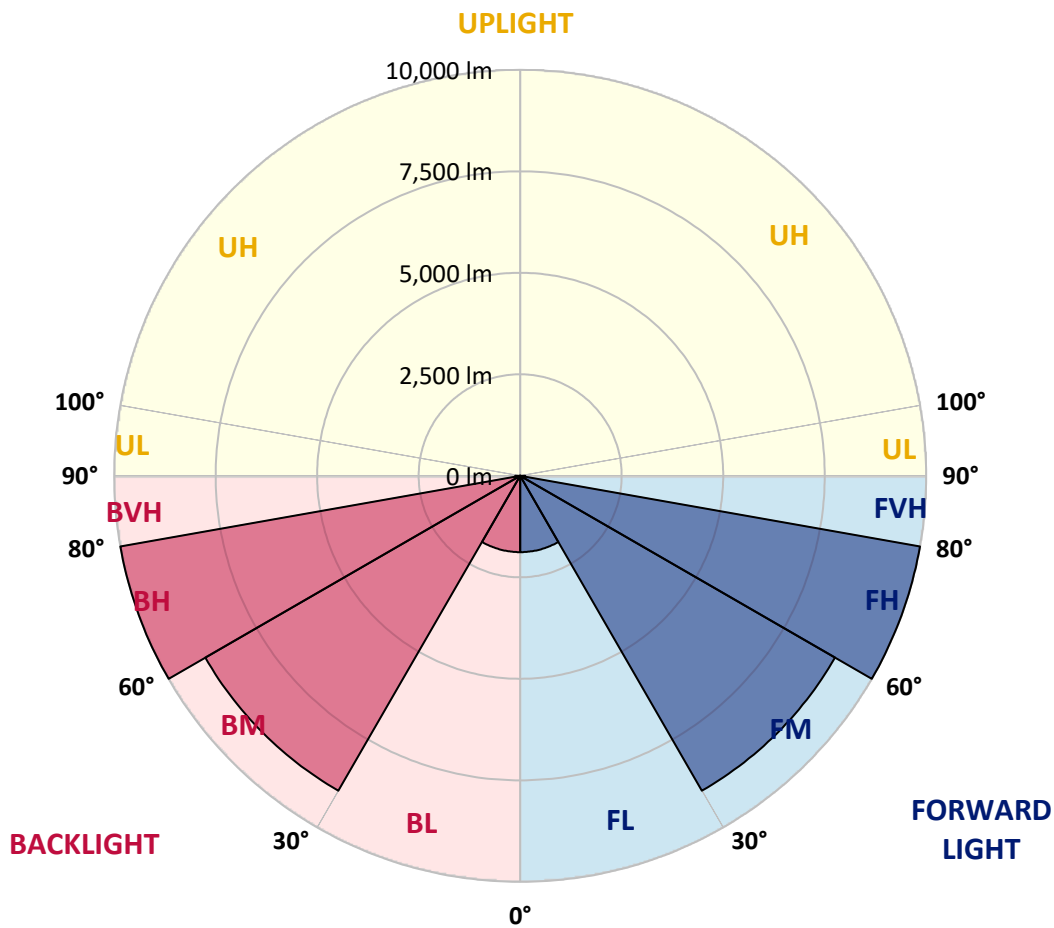
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1880.6	4.5			
FM (30°-60°)	8956.4	21.4			
FH (60°-80°)	10000.4	23.9			G4/12000
FVH (80°-90°)	120.1	0.3			G2/225
BL (0°-30°)	1880.6	4.5	B3/2500		
BM (30°-60°)	8956.4	21.4	B5		
BH (60°-80°)	10000.4	23.9	B5		G4/12000
BVH (80°-90°)	120.1	0.3			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°	4015.0	4015.0	4015.0	4015.0	4015.0	4015.0	4015.0	4015.0	4015.0	4015.0
2.5°	4034.0	4038.2	4029.8	4025.5	4021.3	4015.0	4017.1	4027.6	4036.1	4034.0
5°	4067.6	4071.8	4065.5	4063.4	4055.0	4052.9	4052.9	4063.4	4069.7	4065.5
7.5°	4105.5	4111.8	4101.3	4099.2	4095.0	4090.8	4088.7	4099.2	4105.5	4105.5
10°	4141.3	4147.6	4139.2	4132.9	4128.7	4128.7	4124.4	4132.9	4143.4	4141.3
12.5°	4179.2	4183.4	4175.0	4170.7	4170.7	4177.1	4170.7	4175.0	4183.4	4179.2
15°	4225.5	4227.6	4225.5	4231.8	4242.3	4263.3	4244.4	4240.2	4244.4	4233.9
17.5°	4288.6	4292.8	4301.2	4315.9	4330.7	4368.5	4334.9	4324.4	4324.4	4303.3
20°	4366.4	4372.8	4385.4	4410.6	4429.6	4465.3	4431.7	4416.9	4410.6	4383.3
22.5°	4448.5	4459.0	4478.0	4511.6	4545.3	4579.0	4545.3	4520.1	4501.1	4465.3
25°	4543.2	4555.8	4585.3	4640.0	4686.3	4734.7	4694.7	4644.2	4606.3	4555.8
27.5°	4677.9	4692.6	4728.4	4795.7	4854.6	4896.7	4858.9	4793.6	4741.0	4680.0
30°	4867.3	4882.0	4924.1	4995.6	5035.6	5063.0	5037.7	4987.2	4924.1	4854.6
32.5°	5111.4	5130.3	5176.6	5243.9	5252.4	5256.6	5248.1	5222.9	5176.6	5092.4
35°	5420.7	5441.7	5494.4	5549.1	5540.6	5549.1	5536.4	5528.0	5494.4	5397.6
37.5°	5799.5	5824.7	5879.4	5921.5	5900.5	5890.0	5892.1	5894.2	5875.2	5767.9
40°	6239.3	6272.9	6312.9	6357.1	6321.3	6289.8	6310.8	6327.7	6310.8	6201.4
42.5°	6691.7	6740.1	6782.2	6845.3	6815.9	6775.9	6805.3	6824.3	6788.5	6670.7
45°	7194.6	7240.9	7295.6	7390.3	7369.3	7327.2	7369.3	7373.5	7312.5	7173.6
47.5°	7714.4	7762.8	7844.9	7971.1	7962.7	7916.4	7971.1	7941.7	7863.8	7697.6
50°	8206.8	8274.1	8400.4	8577.2	8594.0	8537.2	8610.8	8554.0	8423.6	8215.2
52.5°	8669.8	8741.3	8941.2	9181.1	9242.1	9168.5	9267.4	9168.5	8972.8	8705.5
55°	9155.9	9235.8	9473.6	9787.1	9909.2	9854.5	9947.1	9797.7	9519.9	9195.8
57.5°	9728.2	9776.6	10060.7	10433.2	10639.4	10652.0	10694.1	10441.6	10104.9	9736.6
60°	10349.0	10416.3	10725.7	11171.8	11497.9	11603.2	11559.0	11184.4	10793.0	10370.0
62.5°	11144.4	11218.1	11588.4	12122.9	12638.5	12899.4	12726.9	12184.0	11700.0	11192.8
65°	11803.1	11885.1	12554.3	13507.6	14446.1	14970.1	14536.6	13537.0	12665.8	11950.4
67.5°	11325.4	11426.4	12476.5	14227.2	16560.9	18124.4	16640.9	14441.9	12735.3	11765.2
70°	9898.7	9993.4	11218.1	13358.2	17156.4	20582.3	17514.2	13751.7	11258.1	10172.2
72.5°	6571.8	6876.9	8116.3	10683.6	15319.4	19046.1	15470.9	10466.8	7529.2	6557.0
75°	2180.1	2424.2	3270.1	5538.5	10260.6	14244.1	9768.2	4900.9	2590.4	1864.4
77.5°	549.2	633.4	873.3	1584.5	4092.9	8110.0	3684.6	1294.2	704.9	492.4
80°	267.2	294.6	420.9	528.2	1024.8	2577.8	961.7	496.6	332.5	256.7
82.5°	147.3	149.4	237.8	298.8	380.9	667.1	395.6	290.4	191.5	155.7
85°	90.5	88.4	126.3	159.9	159.9	237.8	189.4	159.9	109.4	96.8
87.5°	35.8	35.8	46.3	50.5	44.2	61.0	48.4	52.6	42.1	40.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4015.0
4036.1
4067.6
4105.5
4141.3
4177.1
4233.9
4303.3
4383.3
4463.2
4553.7
4677.9
4854.6
5094.5
5397.6
5767.9
6201.4
6679.1
7188.3
7687.0
8211.0
8680.3
9151.6
9686.1
10302.7
11104.4
11832.5
11620.0
10027.0
6344.5
1763.4
439.8
235.7
155.7
101.0
42.1
0.0

OF REPORT)