

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: P951928

Luminaire Tested: **GALN-SB5D-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951928
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-SB5D-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39009 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

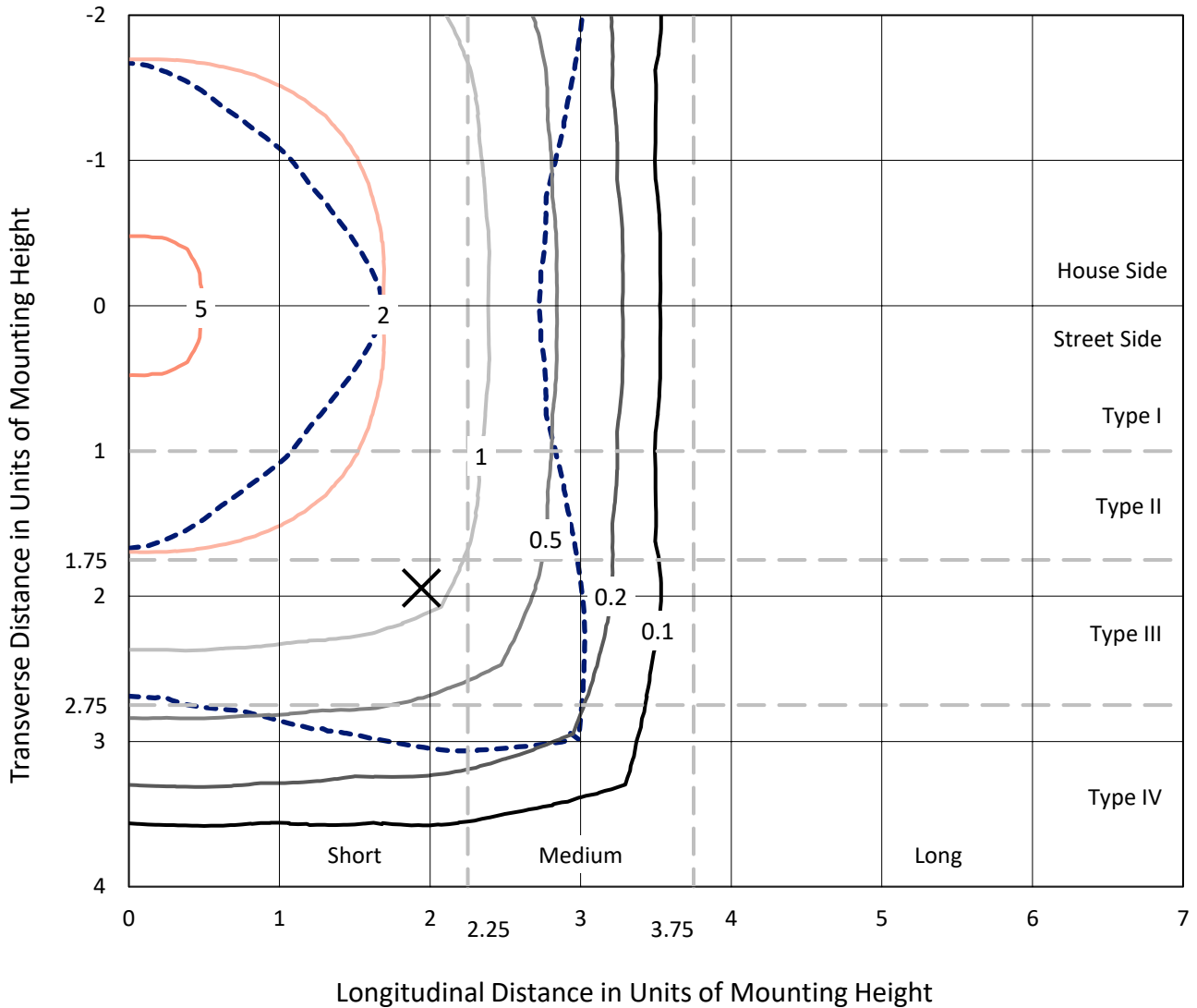
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

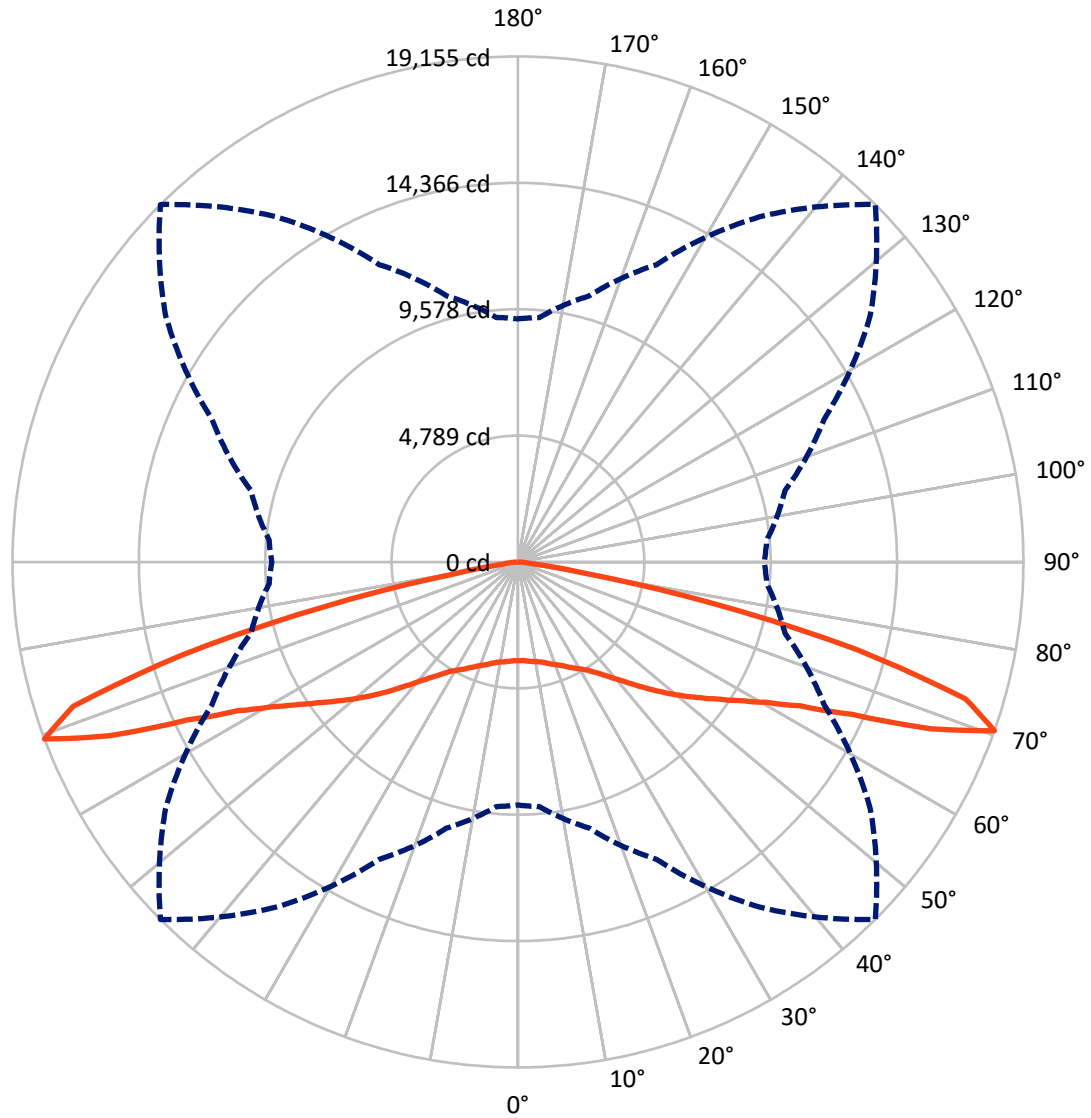
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	19504.5	0.0	19504.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19504.5	0.0	19504.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39009.0	0.0	39009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.0	0.9
10°-20°	1125.7	2.9
20°-30°	2011.7	5.2
30°-40°	3261.0	8.4
40°-50°	5311.6	13.6
50°-60°	8098.3	20.8
60°-70°	12047.7	30.9
70°-80°	6566.4	16.8
80°-90°	223.6	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°	39009.0	100.0
0°-180°	39009.0	100.0

Coefficient of Utilization



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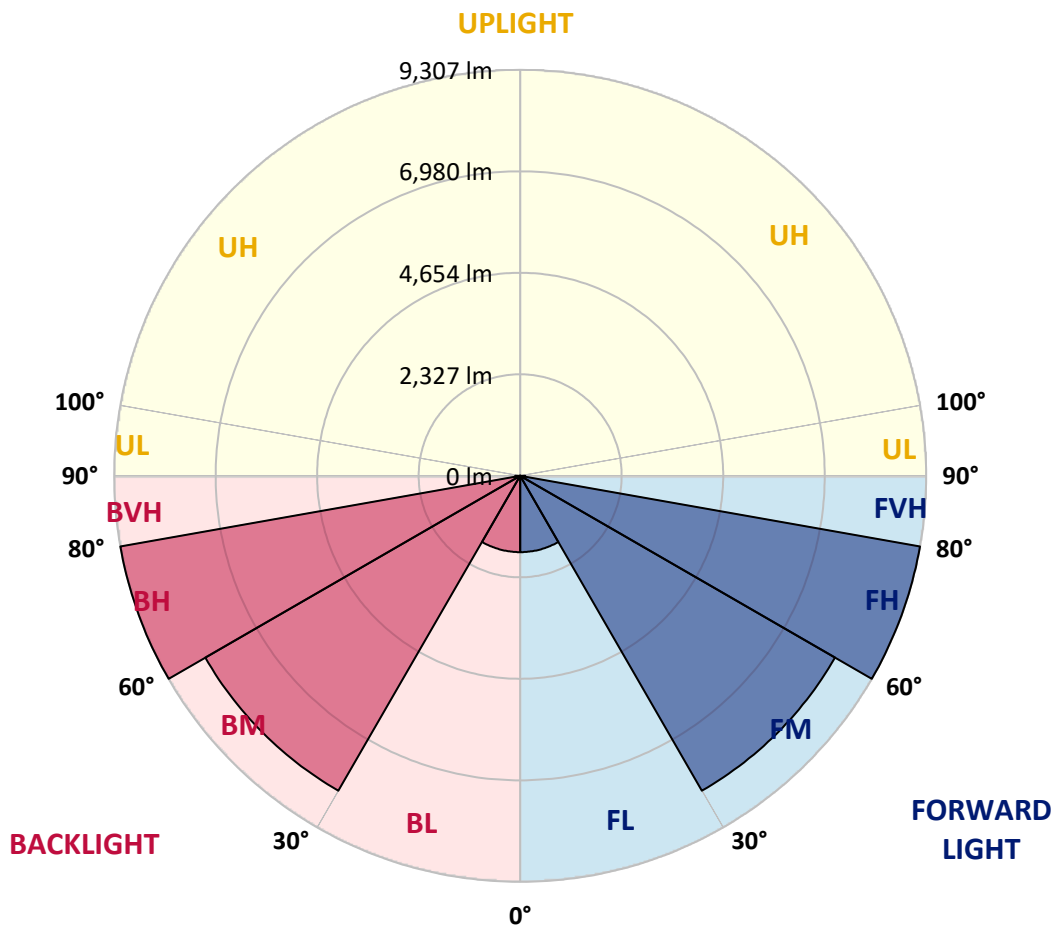
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1750.2	4.5			
FM (30°-60°)	8335.4	21.4			
FH (60°-80°)	9307.1	23.9			G4/12000
FVH (80°-90°)	111.8	0.3			G2/225
BL (0°-30°)	1750.2	4.5	B3/2500		
BM (30°-60°)	8335.4	21.4	B4/8500		
BH (60°-80°)	9307.1	23.9	B5		G4/12000
BVH (80°-90°)	111.8	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°	3736.7	3736.7	3736.7	3736.7	3736.7	3736.7	3736.7	3736.7	3736.7	3736.7
2.5°	3754.3	3758.2	3750.4	3746.5	3742.5	3736.7	3738.6	3748.4	3756.2	3754.3
5°	3785.6	3789.5	3783.7	3781.7	3773.9	3771.9	3771.9	3781.7	3787.6	3783.7
7.5°	3820.9	3826.7	3817.0	3815.0	3811.1	3807.2	3805.2	3815.0	3820.9	3820.9
10°	3854.2	3860.0	3852.2	3846.3	3842.4	3842.4	3838.5	3846.3	3856.1	3854.2
12.5°	3889.4	3893.3	3885.5	3881.6	3881.6	3887.5	3881.6	3885.5	3893.3	3889.4
15°	3932.5	3934.5	3932.5	3938.4	3948.2	3967.8	3950.1	3946.2	3950.1	3940.3
17.5°	3991.3	3995.2	4003.0	4016.7	4030.4	4065.7	4034.3	4024.5	4024.5	4005.0
20°	4063.7	4069.6	4081.3	4104.8	4122.5	4155.8	4124.4	4110.7	4104.8	4079.4
22.5°	4140.1	4149.9	4167.5	4198.8	4230.2	4261.5	4230.2	4206.7	4189.1	4155.8
25°	4228.2	4240.0	4267.4	4318.3	4361.4	4406.4	4369.2	4322.2	4287.0	4240.0
27.5°	4353.6	4367.3	4400.6	4463.2	4518.1	4557.2	4522.0	4461.3	4412.3	4355.5
30°	4529.8	4543.5	4582.7	4649.3	4686.5	4711.9	4688.4	4641.4	4582.7	4518.1
32.5°	4757.0	4774.6	4817.7	4880.4	4888.2	4892.1	4884.3	4860.8	4817.7	4739.4
35°	5044.9	5064.5	5113.4	5164.3	5156.5	5164.3	5152.6	5144.8	5113.4	5023.3
37.5°	5397.4	5420.9	5471.8	5511.0	5491.4	5481.6	5483.6	5485.5	5467.9	5368.0
40°	5806.7	5838.0	5875.2	5916.4	5883.1	5853.7	5873.3	5889.0	5873.3	5771.5
42.5°	6227.8	6272.8	6312.0	6370.7	6343.3	6306.1	6333.5	6351.1	6317.9	6208.2
45°	6695.8	6738.9	6789.8	6878.0	6858.4	6819.2	6858.4	6862.3	6805.5	6676.2
47.5°	7179.6	7224.6	7301.0	7418.5	7410.6	7367.6	7418.5	7391.1	7318.6	7163.9
50°	7637.8	7700.5	7818.0	7982.5	7998.2	7945.3	8013.8	7961.0	7839.5	7645.7
52.5°	8068.7	8135.3	8321.3	8544.6	8601.4	8532.8	8624.9	8532.8	8350.7	8102.0
55°	8521.1	8595.5	8816.8	9108.6	9222.2	9171.3	9257.4	9118.4	8859.9	8558.3
57.5°	9053.8	9098.8	9363.2	9709.8	9901.8	9913.5	9952.7	9717.7	9404.3	9061.6
60°	9631.5	9694.2	9982.0	10397.2	10700.8	10798.7	10757.6	10409.0	10044.7	9651.1
62.5°	10371.8	10440.3	10785.0	11282.4	11762.2	12005.1	11844.5	11339.2	10888.8	10416.8
65°	10984.8	11061.1	11683.9	12571.1	13444.5	13932.2	13528.7	12598.5	11787.7	11121.8
67.5°	10540.2	10634.2	11611.5	13240.9	15412.7	16867.8	15487.2	13440.6	11852.3	10949.5
70°	9212.4	9300.5	10440.3	12432.0	15967.0	19155.3	16299.9	12798.3	10477.5	9467.0
72.5°	6116.1	6400.1	7553.6	9942.9	14257.3	17725.6	14398.3	9741.2	7007.2	6102.4
75°	2028.9	2256.1	3043.4	5154.6	9549.2	13256.5	9091.0	4561.2	2410.8	1735.2
77.5°	511.1	589.5	812.7	1474.7	3809.1	7547.7	3429.2	1204.4	656.1	458.3
80°	248.7	274.2	391.7	491.6	953.7	2399.1	895.0	462.2	309.4	238.9
82.5°	137.1	139.0	221.3	278.1	354.5	620.8	368.2	270.3	178.2	144.9
85°	84.2	82.3	117.5	148.8	148.8	221.3	176.3	148.8	101.8	90.1
87.5°	33.3	33.3	43.1	47.0	41.1	56.8	45.0	49.0	39.2	37.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3736.7
3756.2
3785.6
3820.9
3854.2
3887.5
3940.3
4005.0
4079.4
4153.8
4238.0
4353.6
4518.1
4741.3
5023.3
5368.0
5771.5
6216.0
6690.0
7154.1
7641.7
8078.5
8517.2
9014.6
9588.4
10334.6
11012.2
10814.4
9331.9
5904.6
1641.2
409.3
219.3
144.9
94.0
39.2
0.0

OF REPORT)