

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: P953293

Luminaire Tested: **GALN-SB6D-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953293  
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-SB6D-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

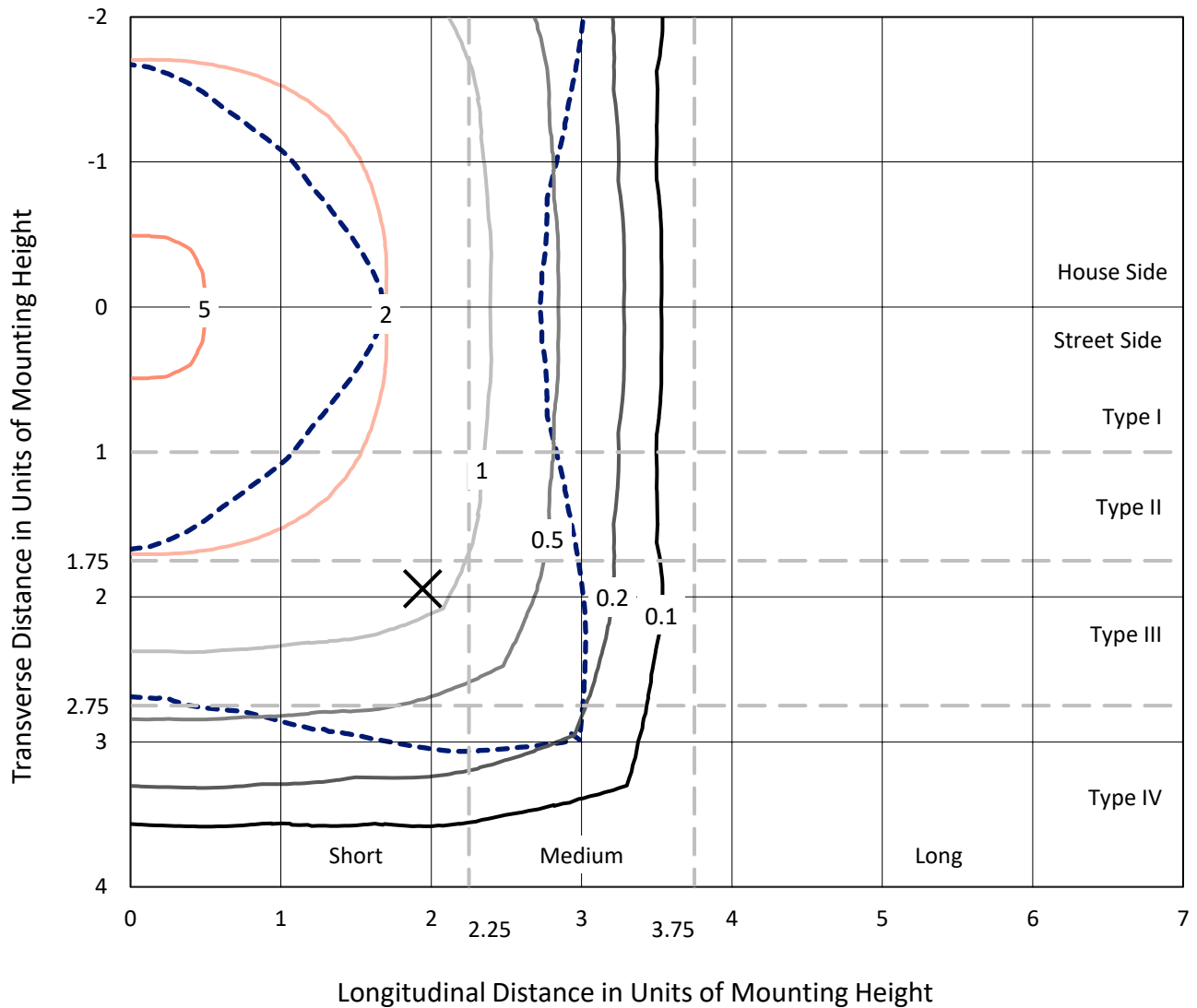
Lumens per Lamp: N/A  
Luminaire Lumens: 39337 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

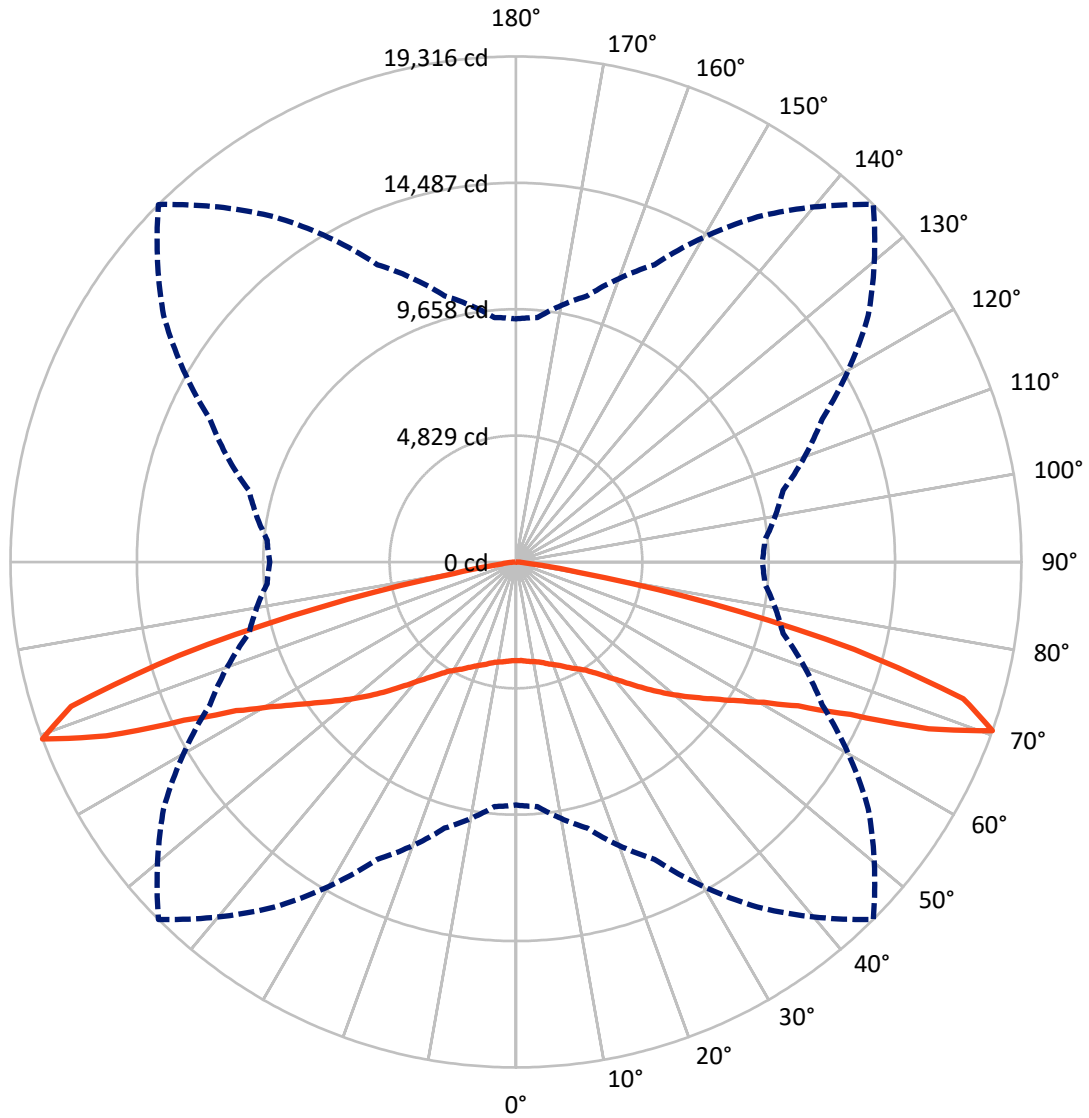
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	19668.5	0.0	19668.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19668.5	0.0	19668.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39337.0	0.0	39337.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.1	0.9
10°-20°	1135.1	2.9
20°-30°	2028.6	5.2
30°-40°	3288.4	8.4
40°-50°	5356.2	13.6
50°-60°	8166.4	20.8
60°-70°	12149.0	30.9
70°-80°	6621.6	16.8
80°-90°	225.5	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°	39337.0	100.0
0°-180°	39337.0	100.0

**Coefficient of Utilization**



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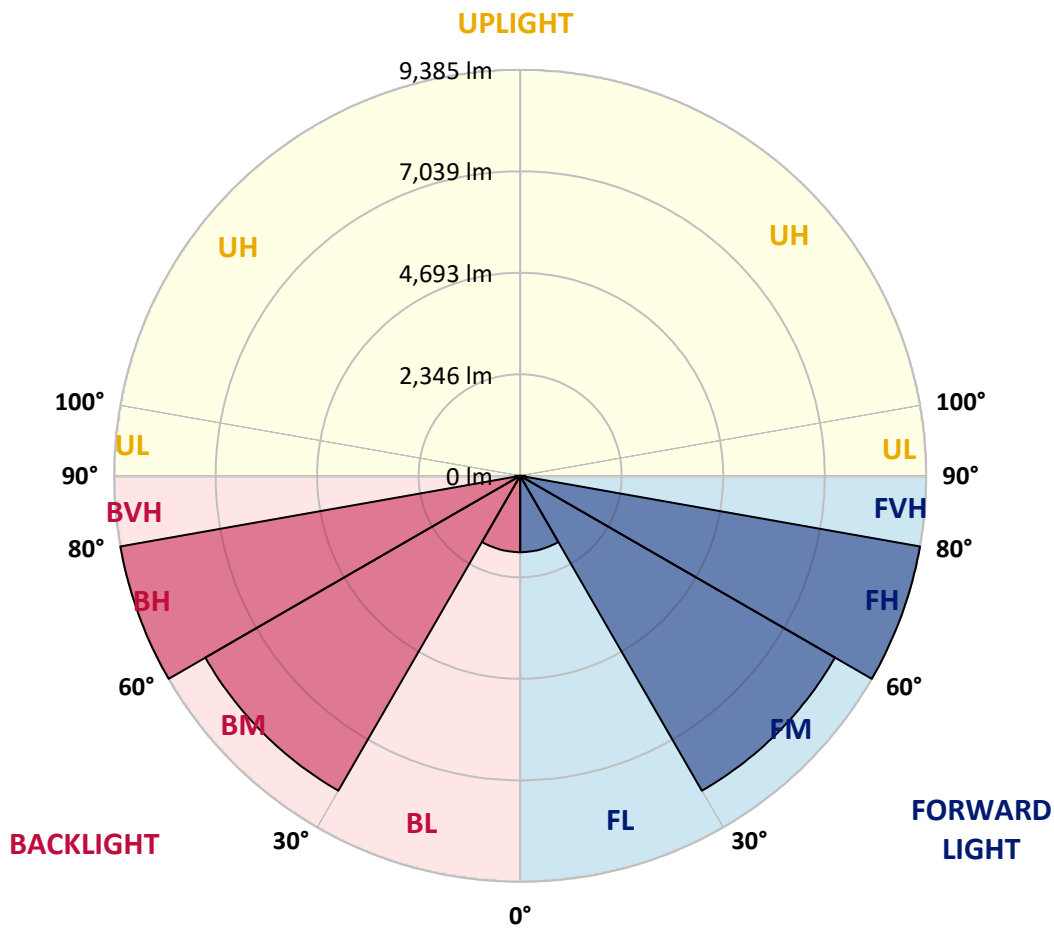
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1764.9	4.5			
FM (30°-60°)	8405.5	21.4			
FH (60°-80°)	9385.3	23.9			G4/12000
FVH (80°-90°)	112.7	0.3			G2/225
BL (0°-30°)	1764.9	4.5	B3/2500		
BM (30°-60°)	8405.5	21.4	B4/8500		
BH (60°-80°)	9385.3	23.9	B5		G4/12000
BVH (80°-90°)	112.7	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°	3768.1	3768.1	3768.1	3768.1	3768.1	3768.1	3768.1	3768.1	3768.1	3768.1
2.5°	3785.9	3789.8	3781.9	3778.0	3774.0	3768.1	3770.1	3779.9	3787.8	3785.9
5°	3817.4	3821.4	3815.5	3813.5	3805.6	3803.6	3803.6	3813.5	3819.4	3815.5
7.5°	3853.0	3858.9	3849.0	3847.1	3843.1	3839.2	3837.2	3847.1	3853.0	3853.0
10°	3886.6	3892.5	3884.6	3878.7	3874.7	3874.7	3870.8	3878.7	3888.5	3886.6
12.5°	3922.1	3926.1	3918.2	3914.2	3914.2	3920.1	3914.2	3918.2	3926.1	3922.1
15°	3965.6	3967.5	3965.6	3971.5	3981.4	4001.1	3983.3	3979.4	3983.3	3973.5
17.5°	4024.8	4028.8	4036.7	4050.5	4064.3	4099.9	4068.3	4058.4	4058.4	4038.6
20°	4097.9	4103.8	4115.7	4139.4	4157.1	4190.7	4159.1	4145.3	4139.4	4113.7
22.5°	4174.9	4184.8	4202.6	4234.1	4265.7	4297.3	4265.7	4242.0	4224.3	4190.7
25°	4263.8	4275.6	4303.3	4354.6	4398.1	4443.5	4406.0	4358.6	4323.0	4275.6
27.5°	4390.2	4404.0	4437.6	4500.8	4556.1	4595.6	4560.0	4498.8	4449.4	4392.1
30°	4567.9	4581.7	4621.2	4688.4	4725.9	4751.6	4727.9	4680.5	4621.2	4556.1
32.5°	4797.0	4814.8	4858.2	4921.4	4929.3	4933.3	4925.4	4901.7	4858.2	4779.2
35°	5087.3	5107.0	5156.4	5207.8	5199.9	5207.8	5195.9	5188.0	5156.4	5065.6
37.5°	5442.8	5466.5	5517.8	5557.3	5537.6	5527.7	5529.7	5531.6	5513.9	5413.2
40°	5855.5	5887.1	5924.7	5966.1	5932.5	5902.9	5922.7	5938.5	5922.7	5820.0
42.5°	6280.1	6325.6	6365.0	6424.3	6396.6	6359.1	6386.8	6404.5	6371.0	6260.4
45°	6752.1	6795.6	6846.9	6935.8	6916.0	6876.5	6916.0	6920.0	6862.7	6732.4
47.5°	7239.9	7285.3	7362.4	7480.9	7473.0	7429.5	7480.9	7453.2	7380.1	7224.1
50°	7702.0	7765.2	7883.7	8049.6	8065.4	8012.1	8081.2	8027.9	7905.5	7709.9
52.5°	8136.5	8203.7	8391.3	8616.4	8673.7	8604.6	8697.4	8604.6	8420.9	8170.1
55°	8592.7	8667.8	8890.9	9185.2	9299.7	9248.4	9335.3	9195.1	8934.4	8630.2
57.5°	9129.9	9175.3	9441.9	9791.5	9985.0	9996.9	10036.4	9799.4	9483.4	9137.8
60°	9712.5	9775.7	10066.0	10484.7	10790.8	10889.5	10848.0	10496.5	10129.2	9732.2
62.5°	10459.0	10528.1	10875.7	11377.3	11861.1	12106.0	11944.1	11434.6	10980.4	10504.4
65°	11077.1	11154.1	11782.2	12676.8	13557.6	14049.3	13642.5	12704.4	11886.8	11215.4
67.5°	10628.8	10723.6	11709.1	13352.2	15542.3	17009.7	15617.4	13553.6	11952.0	11041.6
70°	9289.9	9378.7	10528.1	12536.6	16101.2	19316.3	16437.0	12905.9	10565.6	9546.6
72.5°	6167.6	6453.9	7617.1	10026.5	14377.2	17874.7	14519.3	9823.1	7066.1	6153.7
75°	2046.0	2275.1	3069.0	5197.9	9629.5	13368.0	9167.4	4599.5	2431.1	1749.7
77.5°	515.4	594.4	819.6	1487.1	3841.1	7611.2	3458.0	1214.6	661.6	462.1
80°	250.8	276.5	395.0	495.7	961.8	2419.2	902.5	466.1	312.0	240.9
82.5°	138.2	140.2	223.2	280.4	357.5	626.0	371.3	272.5	179.7	146.1
85°	84.9	82.9	118.5	150.1	150.1	223.2	177.7	150.1	102.7	90.8
87.5°	33.6	33.6	43.4	47.4	41.5	57.3	45.4	49.4	39.5	37.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3768.1
3787.8
3817.4
3853.0
3886.6
3920.1
3973.5
4038.6
4113.7
4188.7
4273.6
4390.2
4556.1
4781.2
5065.6
5413.2
5820.0
6268.3
6746.2
7214.2
7706.0
8146.4
8588.8
9090.4
9669.0
10421.5
11104.8
10905.3
9410.3
5954.3
1655.0
412.8
221.2
146.1
94.8
39.5
0.0

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