

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: P951949

Luminaire Tested: **GALN-SB5D-950-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951949  
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-950-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

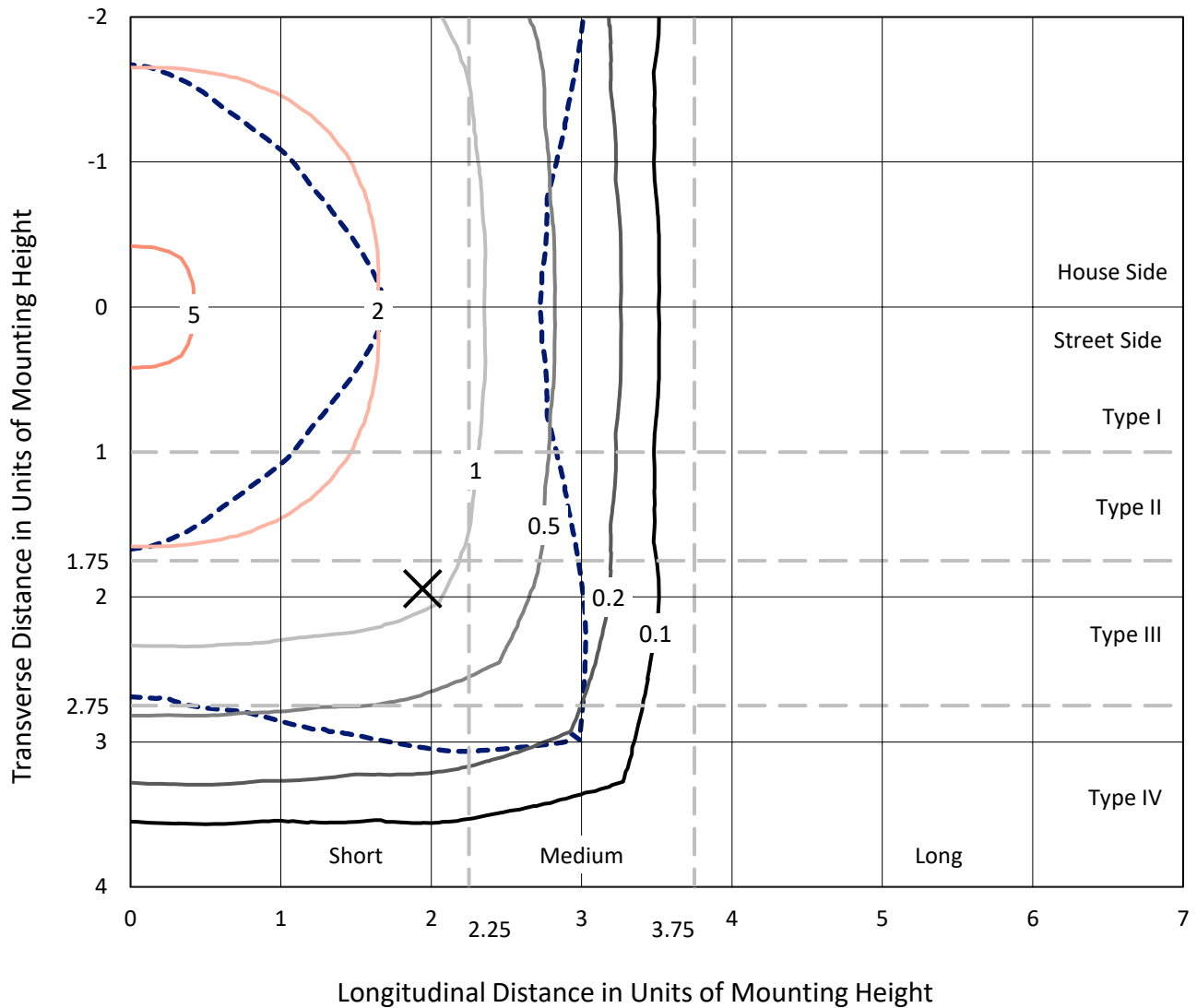
Lumens per Lamp: N/A  
Luminaire Lumens: 37449 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

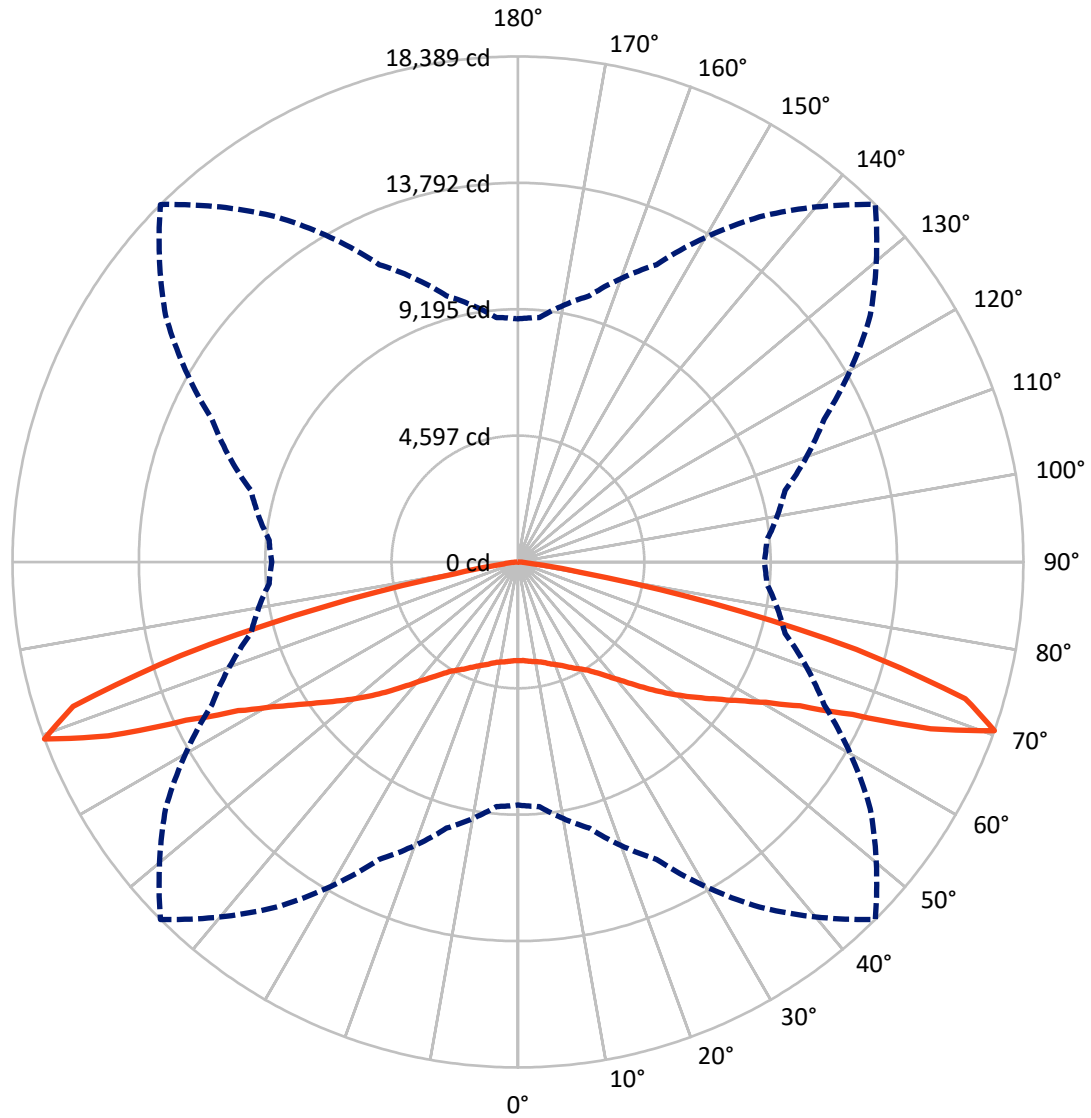
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	18724.5	0.0	18724.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18724.5	0.0	18724.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37449.0	0.0	37449.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.5	0.9
10°-20°	1080.7	2.9
20°-30°	1931.3	5.2
30°-40°	3130.5	8.4
40°-50°	5099.1	13.6
50°-60°	7774.5	20.8
60°-70°	11565.9	30.9
70°-80°	6303.8	16.8
80°-90°	214.7	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°	37449.0	100.0
0°-180°	37449.0	100.0

**Coefficient of Utilization**

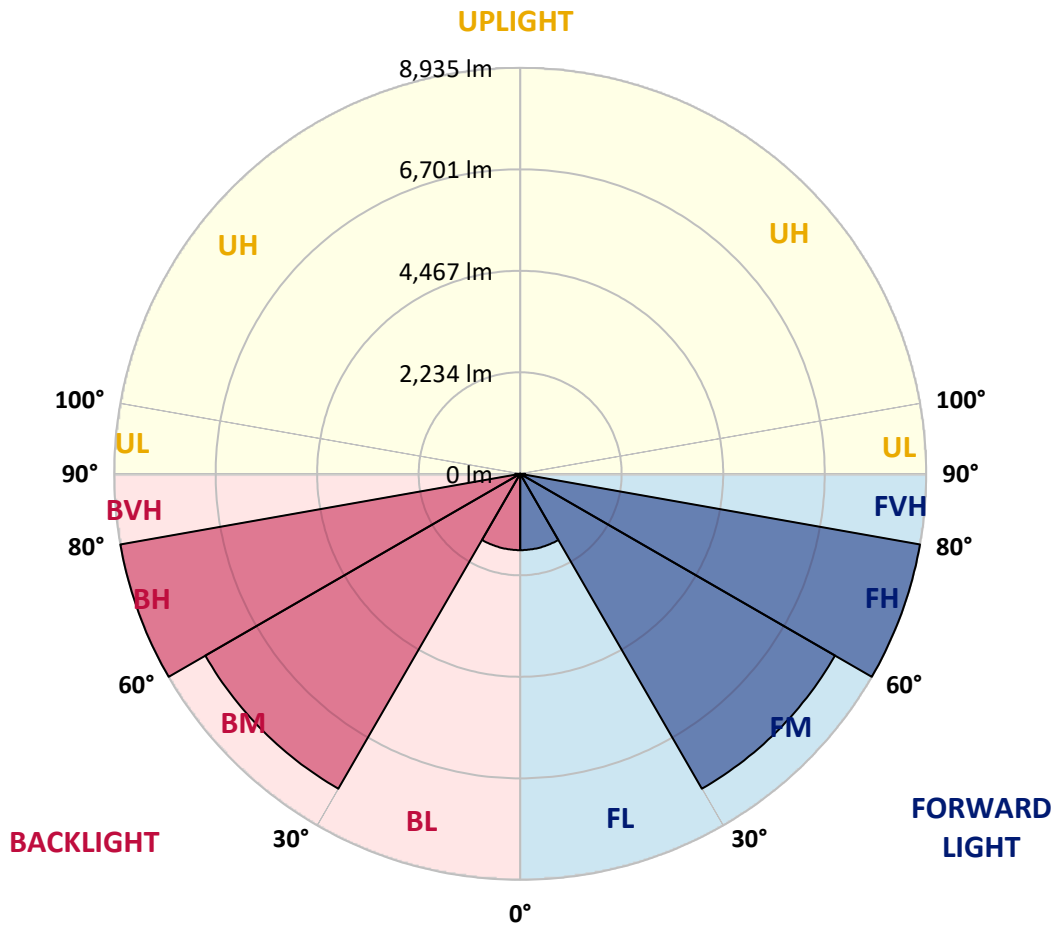


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1680.2	4.5			
FM (30°-60°)	8002.1	21.4			
FH (60°-80°)	8934.9	23.9			G4/12000
FVH (80°-90°)	107.3	0.3			G2/225
BL (0°-30°)	1680.2	4.5	B3/2500		
BM (30°-60°)	8002.1	21.4	B4/8500		
BH (60°-80°)	8934.9	23.9	B5		G4/12000
BVH (80°-90°)	107.3	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°	3587.2	3587.2	3587.2	3587.2	3587.2	3587.2	3587.2	3587.2	3587.2	3587.2
2.5°	3604.1	3607.9	3600.4	3596.6	3592.9	3587.2	3589.1	3598.5	3606.0	3604.1
5°	3634.2	3638.0	3632.3	3630.5	3622.9	3621.1	3621.1	3630.5	3636.1	3632.3
7.5°	3668.1	3673.7	3664.3	3662.4	3658.7	3654.9	3653.0	3662.4	3668.1	3668.1
10°	3700.0	3705.7	3698.2	3692.5	3688.8	3688.8	3685.0	3692.5	3701.9	3700.0
12.5°	3733.9	3737.6	3730.1	3726.4	3726.4	3732.0	3726.4	3730.1	3737.6	3733.9
15°	3775.2	3777.1	3775.2	3780.9	3790.3	3809.1	3792.2	3788.4	3792.2	3782.8
17.5°	3831.6	3835.4	3842.9	3856.1	3869.2	3903.1	3873.0	3863.6	3863.6	3844.8
20°	3901.2	3906.8	3918.1	3940.7	3957.6	3989.6	3959.5	3946.3	3940.7	3916.2
22.5°	3974.5	3983.9	4000.8	4030.9	4061.0	4091.1	4061.0	4038.5	4021.5	3989.6
25°	4059.1	4070.4	4096.7	4145.6	4187.0	4230.2	4194.5	4149.4	4115.5	4070.4
27.5°	4179.5	4192.6	4224.6	4284.7	4337.4	4375.0	4341.1	4282.9	4235.9	4181.3
30°	4348.7	4361.8	4399.4	4463.4	4499.1	4523.5	4501.0	4455.8	4399.4	4337.4
32.5°	4566.8	4583.7	4625.0	4685.2	4692.7	4696.5	4689.0	4666.4	4625.0	4549.8
35°	4843.1	4861.9	4908.9	4957.8	4950.3	4957.8	4946.5	4939.0	4908.9	4822.5
37.5°	5181.5	5204.1	5253.0	5290.6	5271.8	5262.4	5264.3	5266.2	5249.2	5153.3
40°	5574.5	5604.6	5640.3	5679.8	5647.8	5619.6	5638.4	5653.5	5638.4	5540.6
42.5°	5978.7	6022.0	6059.6	6116.0	6089.6	6053.9	6080.2	6097.2	6065.2	5959.9
45°	6428.1	6469.4	6518.3	6602.9	6584.1	6546.5	6584.1	6587.9	6533.3	6409.3
47.5°	6892.4	6935.7	7009.0	7121.8	7114.3	7072.9	7121.8	7095.5	7025.9	6877.4
50°	7332.4	7392.5	7505.4	7663.3	7678.3	7627.6	7693.4	7642.6	7526.0	7339.9
52.5°	7746.0	7809.9	7988.5	8202.9	8257.4	8191.6	8280.0	8191.6	8016.7	7778.0
55°	8180.3	8251.7	8464.2	8744.3	8853.4	8804.5	8887.2	8753.7	8505.6	8216.0
57.5°	8691.7	8734.9	8988.7	9321.5	9505.8	9517.1	9554.7	9329.0	9028.2	8699.2
60°	9246.3	9306.5	9582.9	9981.4	10272.9	10366.9	10327.4	9992.7	9643.0	9265.1
62.5°	9957.0	10022.8	10353.7	10831.2	11291.9	11525.0	11370.8	10885.8	10453.3	10000.2
65°	10545.5	10618.8	11216.7	12068.3	12906.9	13375.0	12987.7	12094.7	11316.3	10677.1
67.5°	10118.7	10208.9	11147.1	12711.3	14796.4	16193.3	14867.8	12903.1	11378.4	10511.6
70°	8844.0	8928.6	10022.8	11934.9	15328.4	18389.2	15648.1	12286.4	10058.5	9088.4
72.5°	5871.5	6144.2	7251.5	9545.3	13687.1	17016.8	13822.5	9351.6	6727.0	5858.4
75°	1947.8	2165.9	2921.7	4948.4	9167.4	12726.4	8727.4	4378.7	2314.4	1665.8
77.5°	490.7	565.9	780.2	1415.7	3656.8	7245.9	3292.1	1156.3	629.8	439.9
80°	238.8	263.2	376.0	471.9	915.6	2303.1	859.2	443.7	297.1	229.4
82.5°	131.6	133.5	212.5	267.0	340.3	596.0	353.5	259.5	171.1	139.1
85°	80.8	79.0	112.8	142.9	142.9	212.5	169.2	142.9	97.8	86.5
87.5°	32.0	32.0	41.4	45.1	39.5	54.5	43.2	47.0	37.6	35.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3587.2
3606.0
3634.2
3668.1
3700.0
3732.0
3782.8
3844.8
3916.2
3987.7
4068.5
4179.5
4337.4
4551.7
4822.5
5153.3
5540.6
5967.4
6422.4
6868.0
7336.1
7755.4
8176.5
8654.1
9205.0
9921.3
10571.8
10381.9
8958.7
5668.5
1575.5
392.9
210.6
139.1
90.2
37.6
0.0

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