

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: P951869

Luminaire Tested: **GALN-SB5D-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5D-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

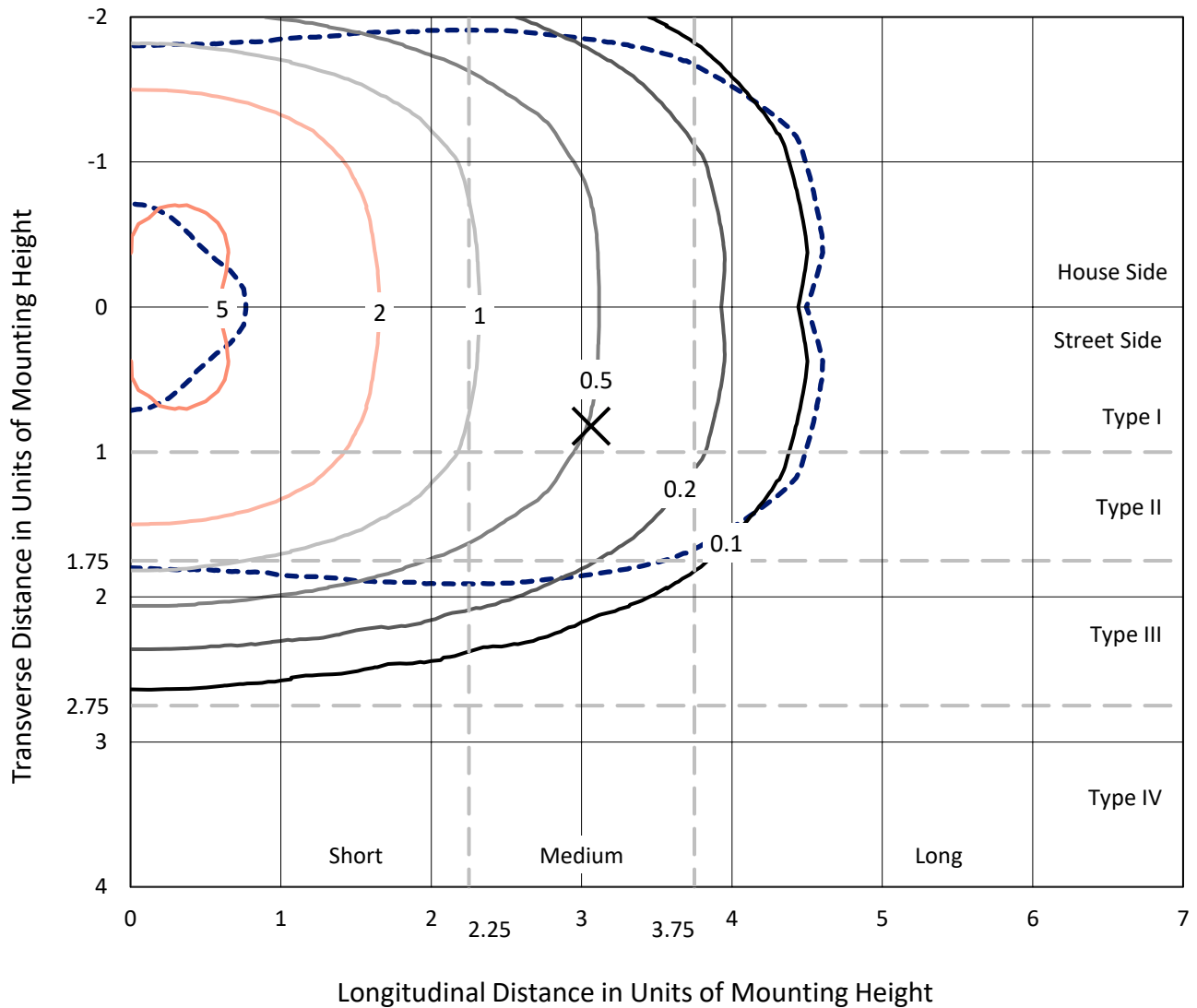
Lumens per Lamp: N/A  
Luminaire Lumens: 32220 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

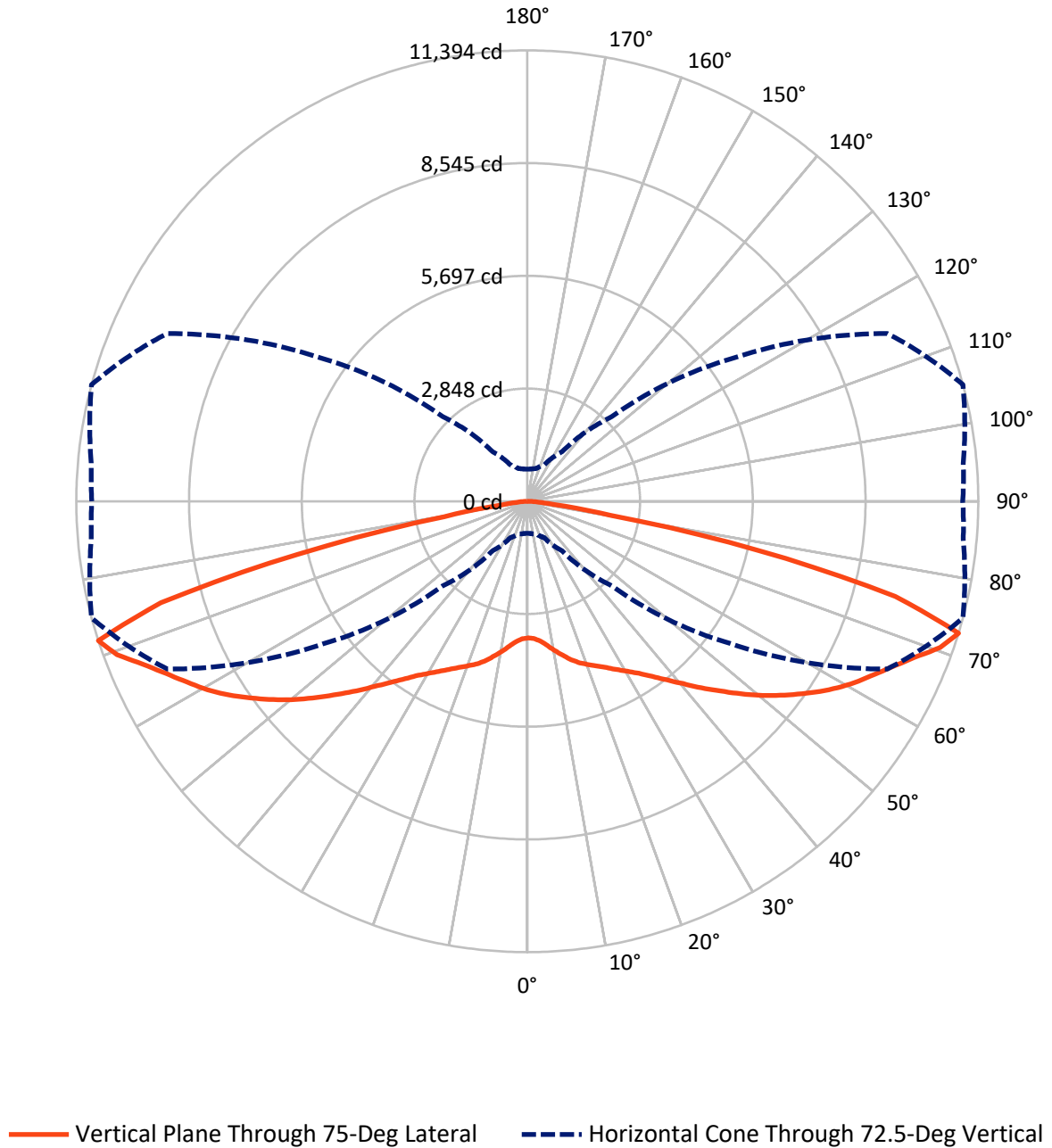
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16110.0	0.0	16110.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16110.0	0.0	16110.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32220.0	0.0	32220.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.1	1.0
10°-20°	1115.1	3.5
20°-30°	2154.7	6.7
30°-40°	3638.3	11.3
40°-50°	5769.9	17.9
50°-60°	7725.2	24.0
60°-70°	7352.0	22.8
70°-80°	3836.4	11.9
80°-90°	290.4	0.9
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°	32220.0	100.0
0°-180°	32220.0	100.0

**Coefficient of Utilization**



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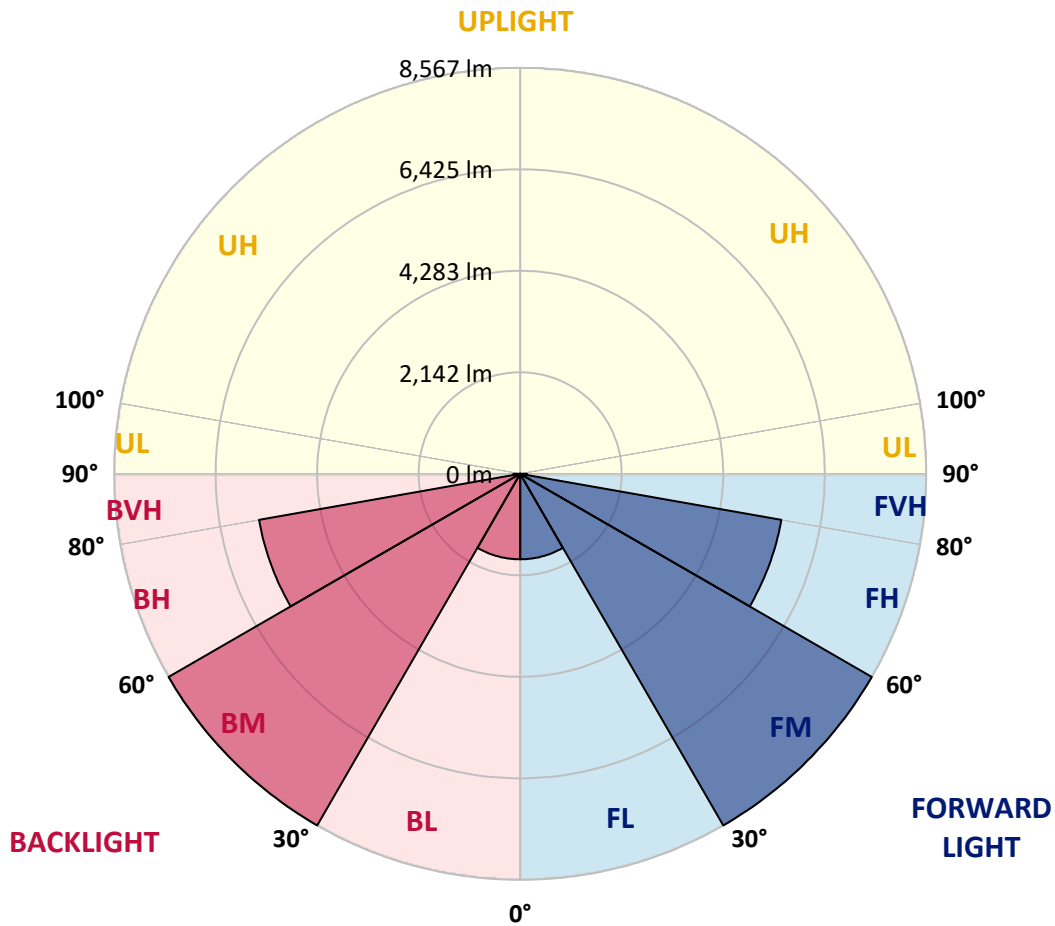
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1803.9	5.6			
FM (30°-60°)	8566.7	26.6			
FH (60°-80°)	5594.2	17.4			G3/7500
FVH (80°-90°)	145.2	0.5			G2/225
BL (0°-30°)	1803.9	5.6	B3/2500		
BM (30°-60°)	8566.7	26.6	B5		
BH (60°-80°)	5594.2	17.4	B5		G5
BVH (80°-90°)	145.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3451.3	3451.3	3451.3	3451.3	3451.3	3451.3	3451.3	3451.3	3451.3	3451.3
2.5°	3451.3	3448.0	3451.3	3454.6	3453.0	3453.0	3461.2	3466.1	3476.0	3474.4
5°	3428.3	3426.7	3439.8	3454.6	3466.1	3485.9	3510.6	3528.7	3551.7	3556.6
7.5°	3416.8	3411.9	3434.9	3461.2	3497.4	3546.8	3594.5	3643.8	3683.3	3696.5
10°	3425.0	3426.7	3457.9	3507.3	3564.8	3633.9	3701.4	3785.3	3841.2	3854.4
12.5°	3462.9	3459.6	3512.2	3591.2	3670.1	3757.3	3836.3	3928.4	3989.3	4020.5
15°	3531.9	3525.4	3599.4	3716.2	3831.3	3933.3	3997.5	4084.7	4155.4	4194.9
17.5°	3614.2	3617.5	3714.5	3865.9	4017.2	4132.4	4193.3	4237.7	4292.0	4326.5
20°	3759.0	3765.5	3874.1	4053.4	4226.2	4357.8	4407.1	4390.7	4405.5	4431.8
22.5°	3953.1	3956.4	4078.1	4272.2	4453.2	4597.9	4630.8	4563.4	4522.3	4540.4
25°	4178.5	4199.8	4321.6	4520.6	4706.5	4844.7	4859.5	4757.5	4655.5	4660.5
27.5°	4453.2	4472.9	4596.3	4793.7	4982.9	5103.0	5101.3	4964.8	4815.1	4777.3
30°	4750.9	4772.3	4899.0	5103.0	5279.0	5384.3	5361.3	5198.4	4984.5	4913.8
32.5°	5104.6	5117.8	5246.1	5450.1	5612.9	5696.8	5649.1	5448.4	5181.9	5101.3
35°	5532.3	5552.1	5647.5	5840.0	5983.1	6052.2	5971.6	5734.7	5435.3	5344.8
37.5°	6020.9	6007.8	6116.3	6287.4	6405.9	6448.6	6338.4	6057.1	5724.8	5617.9
40°	6530.9	6524.3	6642.8	6807.3	6871.4	6897.7	6734.9	6427.3	6058.8	5943.6
42.5°	6993.2	6988.2	7147.8	7330.4	7407.7	7378.1	7172.5	6820.4	6445.4	6313.7
45°	7363.3	7356.7	7552.5	7809.1	7960.5	7911.1	7634.7	7254.7	6836.9	6700.3
47.5°	7647.9	7651.2	7861.7	8179.2	8444.1	8462.2	8106.9	7697.2	7267.9	7113.2
50°	7853.5	7863.4	8088.8	8440.8	8802.7	8962.3	8588.9	8151.3	7713.7	7539.3
52.5°	7904.5	7922.6	8194.1	8607.0	9033.0	9337.4	9079.1	8587.2	8136.5	7970.3
55°	7633.1	7669.3	8013.1	8593.8	9174.5	9584.1	9510.1	9029.7	8562.5	8391.5
57.5°	7009.6	7060.6	7462.0	8220.4	9143.3	9753.6	9844.0	9454.2	8988.6	8824.1
60°	6136.1	6196.9	6581.9	7409.4	8702.4	9816.1	10079.3	9867.1	9380.1	9220.6
62.5°	4818.4	4897.3	5358.0	6328.6	7771.3	9524.9	10280.0	10240.5	9732.2	9533.1
65°	3091.1	3175.0	3660.3	4806.9	6529.2	8633.3	10342.5	10604.1	10104.0	9826.0
67.5°	1863.9	1901.7	2141.9	2913.4	4772.3	7289.3	9812.8	11007.1	10538.3	10192.8
70°	1192.7	1214.1	1357.2	1710.9	2697.9	5318.5	8500.0	11082.8	11064.7	10569.5
72.5°	809.4	816.0	853.8	1013.4	1526.6	3022.0	6269.3	10033.2	11393.7	11054.8
75°	592.2	628.4	689.3	717.2	866.9	1510.2	3592.8	7049.1	9602.2	9750.3
77.5°	440.9	442.5	526.4	559.3	618.5	804.4	1520.0	3935.0	5961.7	6259.5
80°	373.4	353.7	352.0	450.7	465.6	501.7	679.4	1358.8	2135.3	1294.7
82.5°	310.9	289.5	261.6	352.0	317.5	307.6	294.5	552.7	679.4	333.9
85°	217.1	207.3	197.4	230.3	181.0	154.6	141.5	258.3	286.2	141.5
87.5°	93.8	97.1	98.7	102.0	75.7	54.3	54.3	72.4	72.4	55.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3451.3
3472.7
3556.6
3699.7
3867.5
4033.7
4209.7
4343.0
4451.5
4553.5
4668.7
4788.8
4922.0
5121.1
5358.0
5637.6
5981.4
6346.6
6731.6
7159.3
7592.0
8013.1
8439.2
8861.9
9255.1
9556.2
9860.5
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