

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: P950522

Luminaire Tested: **GALN-SB4D-950-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4D-950-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

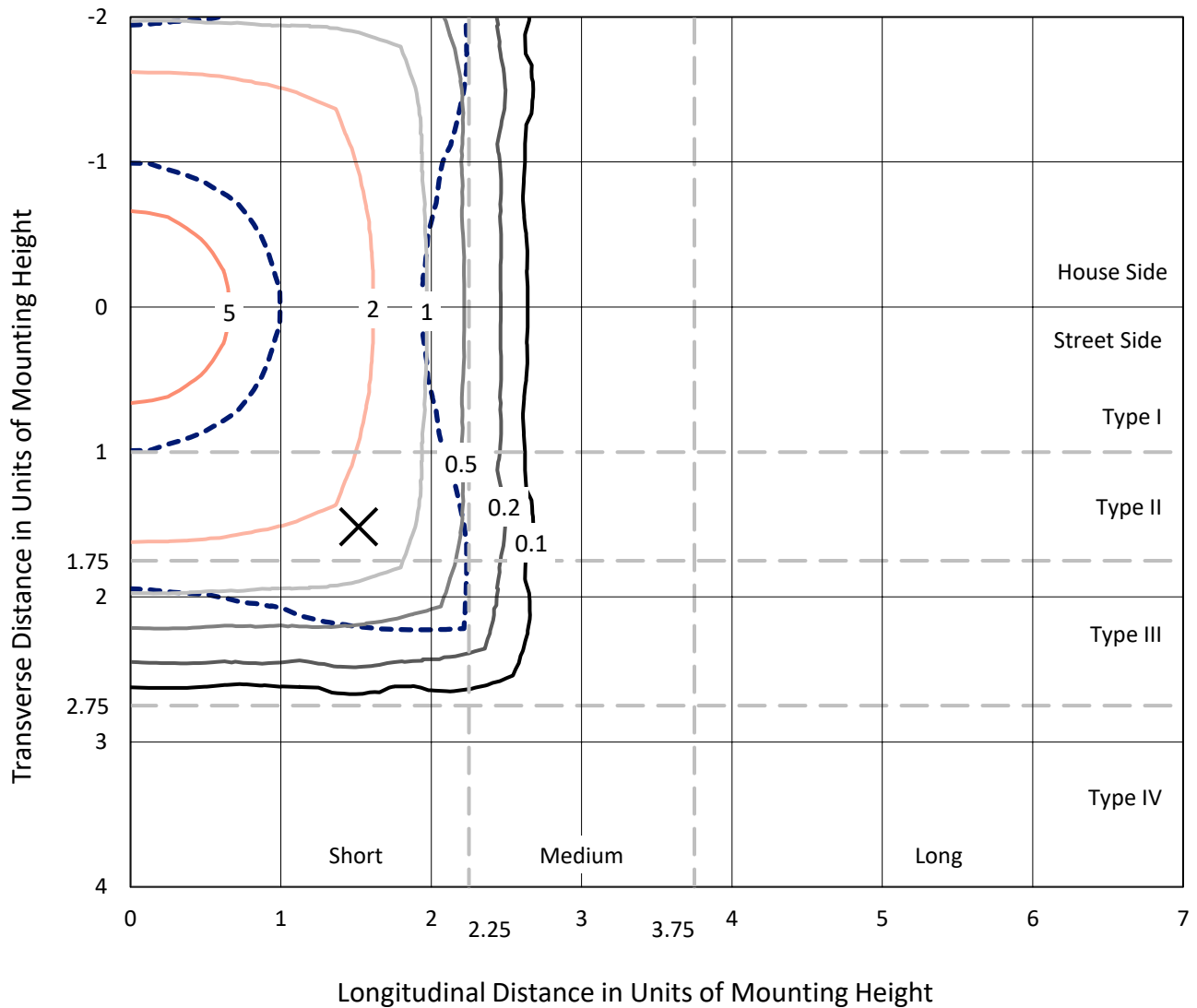
Lumens per Lamp: N/A  
Luminaire Lumens: 29730 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2  
  
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

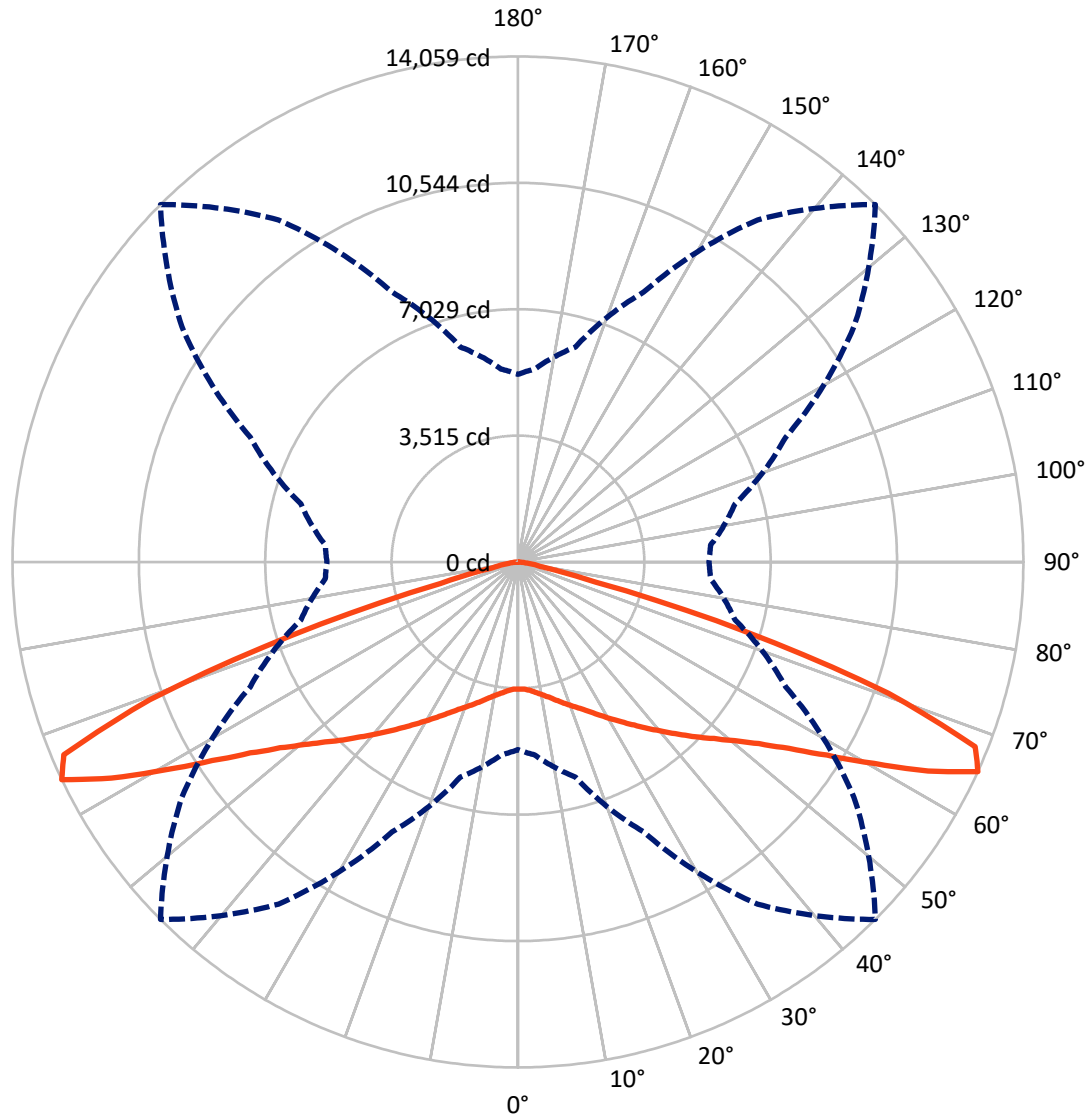
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14865.0	0.0	14865.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14865.0	0.0	14865.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29730.0	0.0	29730.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.2	1.2
10°-20°	1139.4	3.8
20°-30°	2151.3	7.2
30°-40°	3522.7	11.8
40°-50°	5462.0	18.4
50°-60°	8068.6	27.1
60°-70°	7680.5	25.8
70°-80°	1239.3	4.2
80°-90°	116.8	0.4
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°	29730.0	100.0
0°-180°	29730.0	100.0

**Coefficient of Utilization**



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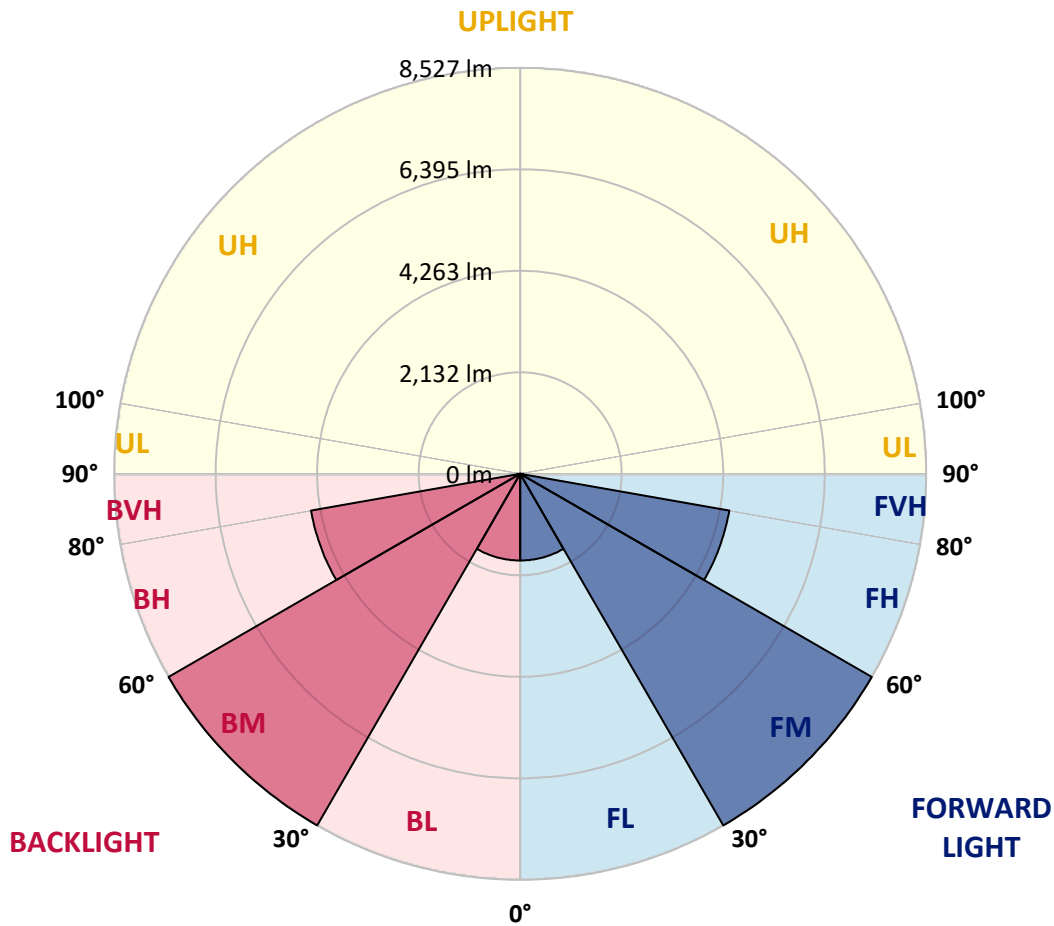
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1820.0	6.1			
FM (30°-60°)	8526.7	28.7			
FH (60°-80°)	4459.9	15.0			G2/5000
FVH (80°-90°)	58.4	0.2			G1/100
BL (0°-30°)	1820.0	6.1	B3/2500		
BM (30°-60°)	8526.7	28.7	B5		
BH (60°-80°)	4459.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	58.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3538.2	3538.2	3538.2	3538.2	3538.2	3538.2	3538.2	3538.2	3538.2	3538.2
2.5°	3562.0	3550.1	3559.1	3551.6	3545.6	3539.7	3542.6	3553.1	3557.6	3559.1
5°	3609.8	3599.3	3603.8	3603.8	3593.4	3590.4	3591.9	3599.3	3608.3	3608.3
7.5°	3687.3	3676.9	3687.3	3681.4	3672.4	3669.4	3667.9	3673.9	3687.3	3687.3
10°	3781.3	3769.4	3775.3	3772.4	3761.9	3757.4	3755.9	3764.9	3776.8	3775.3
12.5°	3884.2	3870.8	3878.3	3869.3	3866.3	3861.9	3861.9	3860.4	3867.8	3861.9
15°	3999.1	3990.1	3993.1	3987.2	3991.6	3988.6	3976.7	3970.7	3973.7	3964.8
17.5°	4134.8	4113.9	4124.4	4121.4	4121.4	4127.4	4108.0	4100.5	4106.5	4097.5
20°	4291.4	4270.6	4275.0	4269.1	4261.6	4267.6	4243.7	4249.7	4254.2	4248.2
22.5°	4463.0	4436.1	4434.6	4437.6	4421.2	4422.7	4406.3	4421.2	4430.2	4413.8
25°	4639.0	4610.7	4630.0	4622.6	4601.7	4606.2	4594.2	4609.2	4616.6	4595.7
27.5°	4825.5	4806.1	4824.0	4828.4	4803.1	4821.0	4803.1	4816.5	4824.0	4792.6
30°	5043.2	5023.8	5040.2	5052.2	5022.3	5050.7	5035.8	5044.7	5046.2	5008.9
32.5°	5280.4	5250.6	5292.3	5298.3	5265.5	5299.8	5280.4	5292.3	5299.8	5249.1
35°	5569.8	5532.5	5580.2	5572.8	5544.4	5572.8	5554.9	5572.8	5590.7	5529.5
37.5°	5881.5	5842.7	5893.5	5880.0	5853.2	5872.6	5862.1	5874.1	5902.4	5836.8
40°	6224.6	6176.9	6245.5	6221.6	6196.3	6193.3	6199.3	6206.7	6244.0	6170.9
42.5°	6591.6	6540.8	6643.8	6606.5	6570.7	6546.8	6566.2	6581.1	6616.9	6534.9
45°	7010.7	6952.5	7086.8	7042.0	6985.3	6936.1	6967.4	6989.8	7042.0	6943.6
47.5°	7473.1	7407.5	7550.7	7537.3	7444.8	7337.4	7409.0	7473.1	7511.9	7392.6
50°	7925.1	7874.4	8062.3	8078.7	7965.4	7814.7	7914.6	8011.6	8022.0	7865.4
52.5°	8348.7	8298.0	8571.0	8673.9	8572.4	8393.5	8499.4	8597.8	8518.7	8315.9
55°	8687.3	8645.5	8993.1	9258.6	9292.9	9145.2	9207.9	9204.9	8945.4	8633.6
57.5°	8769.3	8763.4	9201.9	9764.3	10122.3	10140.2	10016.4	9700.1	9140.8	8721.6
60°	8396.4	8433.7	9036.3	10028.3	10982.9	11379.7	10844.2	9941.8	8918.5	8336.8
62.5°	7280.7	7379.1	8105.6	9706.1	11678.0	12805.7	11508.0	9574.8	8005.6	7246.4
65°	5217.8	5389.3	6191.8	8283.1	11615.4	14058.7	11412.5	8215.9	6251.5	5375.9
67.5°	2367.2	2541.8	3223.4	5671.2	10096.9	13718.6	10073.0	5730.9	3384.5	2550.7
70°	857.7	887.5	1106.8	2270.3	6452.8	10930.7	6728.8	2286.7	1176.9	945.7
72.5°	519.1	523.6	569.8	812.9	2241.9	6636.3	2337.4	839.8	581.7	516.1
75°	329.7	326.7	405.7	496.7	795.0	2238.9	833.8	496.7	404.2	368.4
77.5°	237.2	244.6	290.9	371.4	501.2	759.2	492.2	355.0	290.9	238.7
80°	177.5	182.0	211.8	289.4	352.0	472.8	313.2	262.5	219.3	149.2
82.5°	128.3	128.3	138.7	210.3	214.8	255.1	170.0	185.0	144.7	105.9
85°	76.1	74.6	86.5	125.3	111.9	94.0	77.6	113.4	91.0	65.6
87.5°	26.8	28.3	26.8	35.8	29.8	25.4	23.9	31.3	25.4	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3538.2
3559.1
3608.3
3682.9
3772.4
3864.8
3966.3
4105.0
4261.6
4430.2
4619.6
4816.5
5031.3
5283.4
5566.8
5877.1
6194.8
6578.1
6994.3
7432.8
7884.8
8321.9
8644.0
8694.8
8268.2
7201.6
5311.7
2513.4
933.8
525.1
371.4
243.1
153.6
105.9
64.1
20.9
0.0

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