

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: P956065

Luminaire Tested: **GALN-SB8D-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956065
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-SB8D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 77432 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

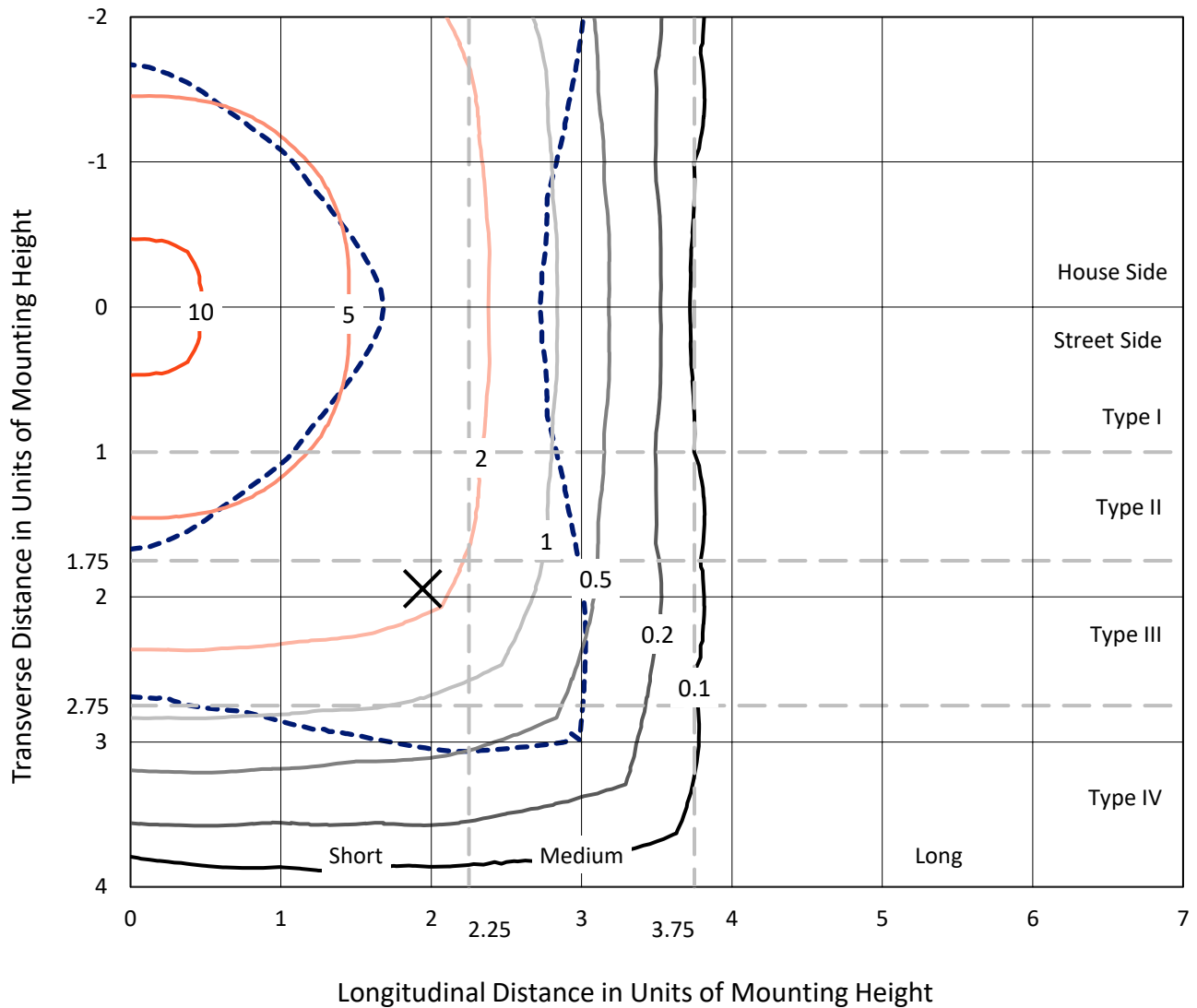
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

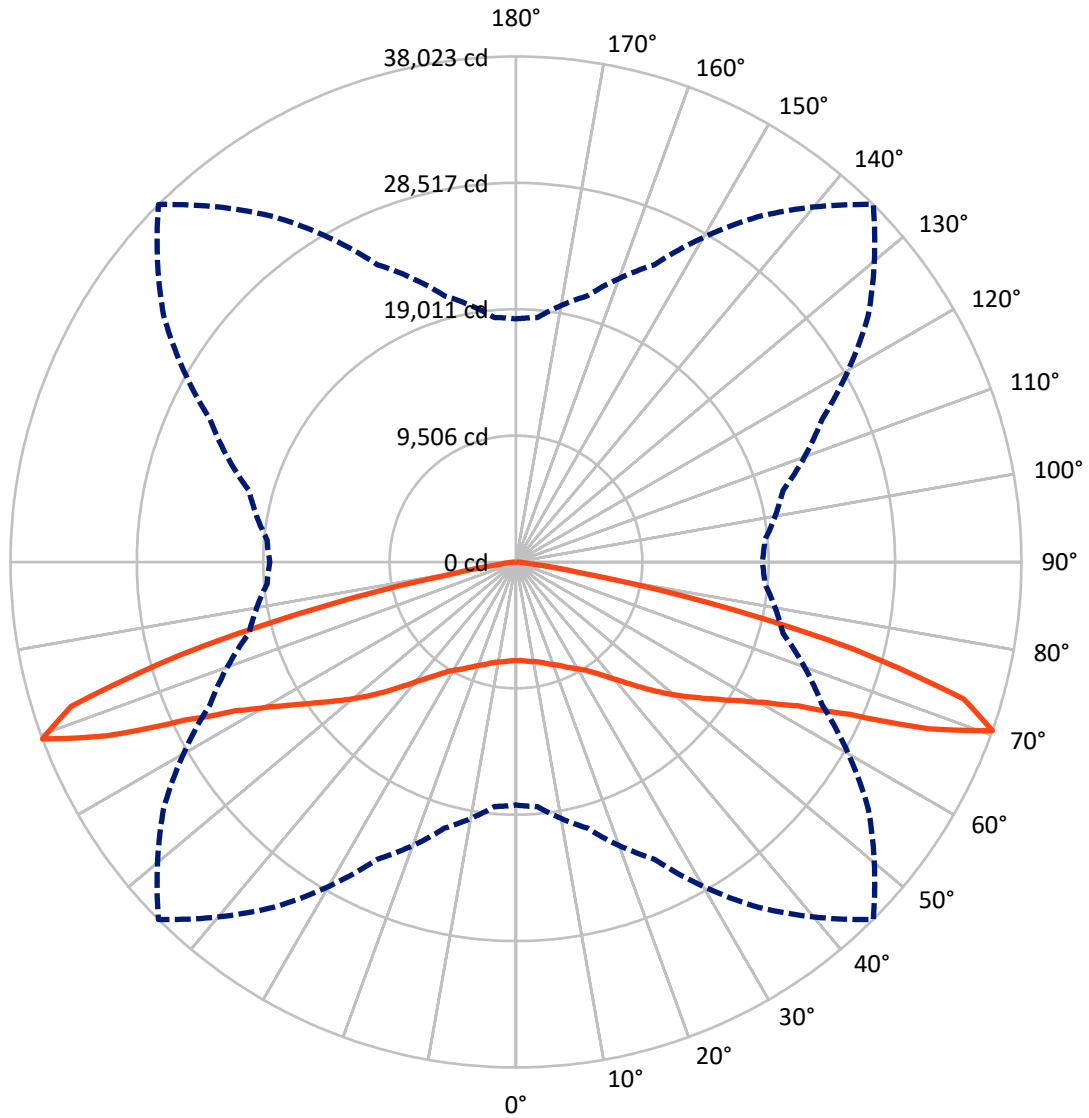
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	38716.0	0.0	38716.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	38716.0	0.0	38716.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	77432.0	0.0	77432.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.6	0.9
10°-20°	2234.4	2.9
20°-30°	3993.2	5.2
30°-40°	6472.9	8.4
40°-50°	10543.3	13.6
50°-60°	16075.0	20.8
60°-70°	23914.5	30.9
70°-80°	13034.2	16.8
80°-90°	443.8	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°	77432.0	100.0
0°-180°	77432.0	100.0

Coefficient of Utilization



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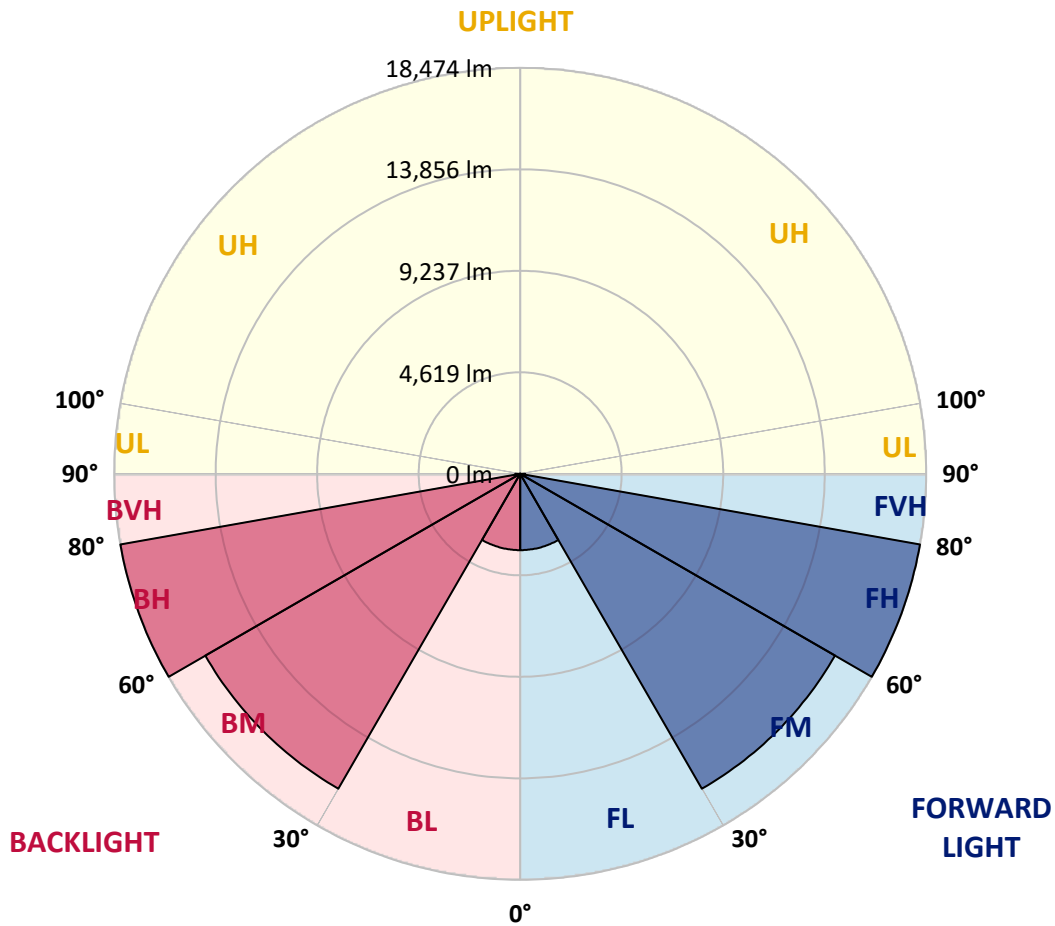
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3474.1	4.5			
FM (30°-60°)	16545.6	21.4			
FH (60°-80°)	18474.3	23.9			G5
FVH (80°-90°)	221.9	0.3			G2/225
BL (0°-30°)	3474.1	4.5	B4/5000		
BM (30°-60°)	16545.6	21.4	B5		
BH (60°-80°)	18474.3	23.9	B5		G5
BVH (80°-90°)	221.9	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7417.2	7417.2	7417.2	7417.2	7417.2	7417.2	7417.2	7417.2	7417.2	7417.2
2.5°	7452.2	7459.9	7444.4	7436.6	7428.8	7417.2	7421.1	7440.5	7456.1	7452.2
5°	7514.4	7522.1	7510.5	7506.6	7491.0	7487.2	7487.2	7506.6	7518.3	7510.5
7.5°	7584.3	7596.0	7576.6	7572.7	7564.9	7557.1	7553.2	7572.7	7584.3	7584.3
10°	7650.4	7662.1	7646.5	7634.9	7627.1	7627.1	7619.3	7634.9	7654.3	7650.4
12.5°	7720.4	7728.2	7712.6	7704.9	7704.9	7716.5	7704.9	7712.6	7728.2	7720.4
15°	7805.9	7809.8	7805.9	7817.6	7837.0	7875.9	7840.9	7833.1	7840.9	7821.5
17.5°	7922.5	7930.3	7945.9	7973.1	8000.3	8070.3	8008.1	7988.6	7988.6	7949.8
20°	8066.4	8078.0	8101.4	8148.0	8183.0	8249.1	8186.9	8159.7	8148.0	8097.5
22.5°	8218.0	8237.4	8272.4	8334.6	8396.8	8459.0	8396.8	8350.2	8315.2	8249.1
25°	8392.9	8416.2	8470.7	8571.7	8657.3	8746.7	8672.8	8579.5	8509.5	8416.2
27.5°	8641.7	8668.9	8735.0	8859.4	8968.3	9046.0	8976.0	8855.5	8758.3	8645.6
30°	8991.6	9018.8	9096.5	9228.7	9302.6	9353.1	9306.5	9213.2	9096.5	8968.3
32.5°	9442.5	9477.5	9563.0	9687.4	9703.0	9710.8	9695.2	9648.6	9563.0	9407.5
35°	10014.0	10052.9	10150.0	10251.1	10235.6	10251.1	10227.8	10212.2	10150.0	9971.2
37.5°	10713.7	10760.4	10861.4	10939.2	10900.3	10880.9	10884.8	10888.6	10853.7	10655.4
40°	11526.2	11588.4	11662.2	11743.9	11677.8	11619.5	11658.4	11689.5	11658.4	11456.2
42.5°	12362.0	12451.4	12529.1	12645.8	12591.3	12517.5	12571.9	12606.9	12540.8	12323.1
45°	13291.1	13376.6	13477.7	13652.6	13613.7	13536.0	13613.7	13621.5	13508.8	13252.2
47.5°	14251.3	14340.7	14492.3	14725.5	14710.0	14624.4	14725.5	14671.1	14527.3	14220.2
50°	15160.9	15285.3	15518.6	15845.1	15876.2	15771.2	15907.3	15802.3	15561.3	15176.5
52.5°	16016.1	16148.3	16517.6	16960.8	17073.5	16937.5	17120.2	16937.5	16575.9	16082.2
55°	16914.1	17061.9	17501.1	18080.4	18305.8	18204.8	18375.8	18099.8	17586.7	16988.0
57.5°	17971.5	18060.9	18585.7	19273.8	19654.8	19678.1	19755.8	19289.3	18667.4	17987.1
60°	19118.3	19242.7	19814.1	20638.3	21240.8	21435.2	21353.6	20661.6	19938.5	19157.2
62.5°	20587.7	20723.8	21408.0	22395.4	23347.8	23829.8	23511.1	22508.1	21614.0	20677.2
65°	21804.5	21956.1	23192.3	24953.3	26687.1	27655.1	26854.2	25007.7	23398.3	22076.6
67.5°	20922.1	21108.7	23048.5	26282.8	30593.9	33482.3	30741.7	26679.3	23526.6	21734.5
70°	18286.4	18461.3	20723.8	24677.3	31694.1	38022.8	32354.9	25404.2	20797.7	18791.8
72.5°	12140.4	12704.1	14993.8	19736.4	28300.4	35185.0	28580.3	19336.0	13909.2	12113.2
75°	4027.4	4478.3	6041.0	10231.7	18955.0	26313.9	18045.4	9053.8	4785.4	3444.2
77.5°	1014.6	1170.1	1613.3	2927.2	7561.0	14982.1	6806.9	2390.8	1302.3	909.7
80°	493.7	544.2	777.5	975.7	1893.2	4762.1	1776.5	917.4	614.2	474.3
82.5°	272.1	276.0	439.3	552.0	703.6	1232.3	730.8	536.5	353.8	287.7
85°	167.2	163.3	233.2	295.4	295.4	439.3	349.9	295.4	202.1	178.8
87.5°	66.1	66.1	85.5	93.3	81.6	112.7	89.4	97.2	77.7	73.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7417.2
7456.1
7514.4
7584.3
7650.4
7716.5
7821.5
7949.8
8097.5
8245.2
8412.4
8641.7
8968.3
9411.4
9971.2
10655.4
11456.2
12338.6
13279.4
14200.7
15168.7
16035.6
16906.4
17893.8
19032.8
20513.9
21858.9
21466.3
18523.5
11720.6
3257.7
812.5
435.4
287.7
186.6
77.7
0.0

OF REPORT)