

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: P954872

Luminaire Tested: **GALN-SB8A-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954872
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-SB8A-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37352 lumens
Efficiency: N/A
Efficacy: 164.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 227.1
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

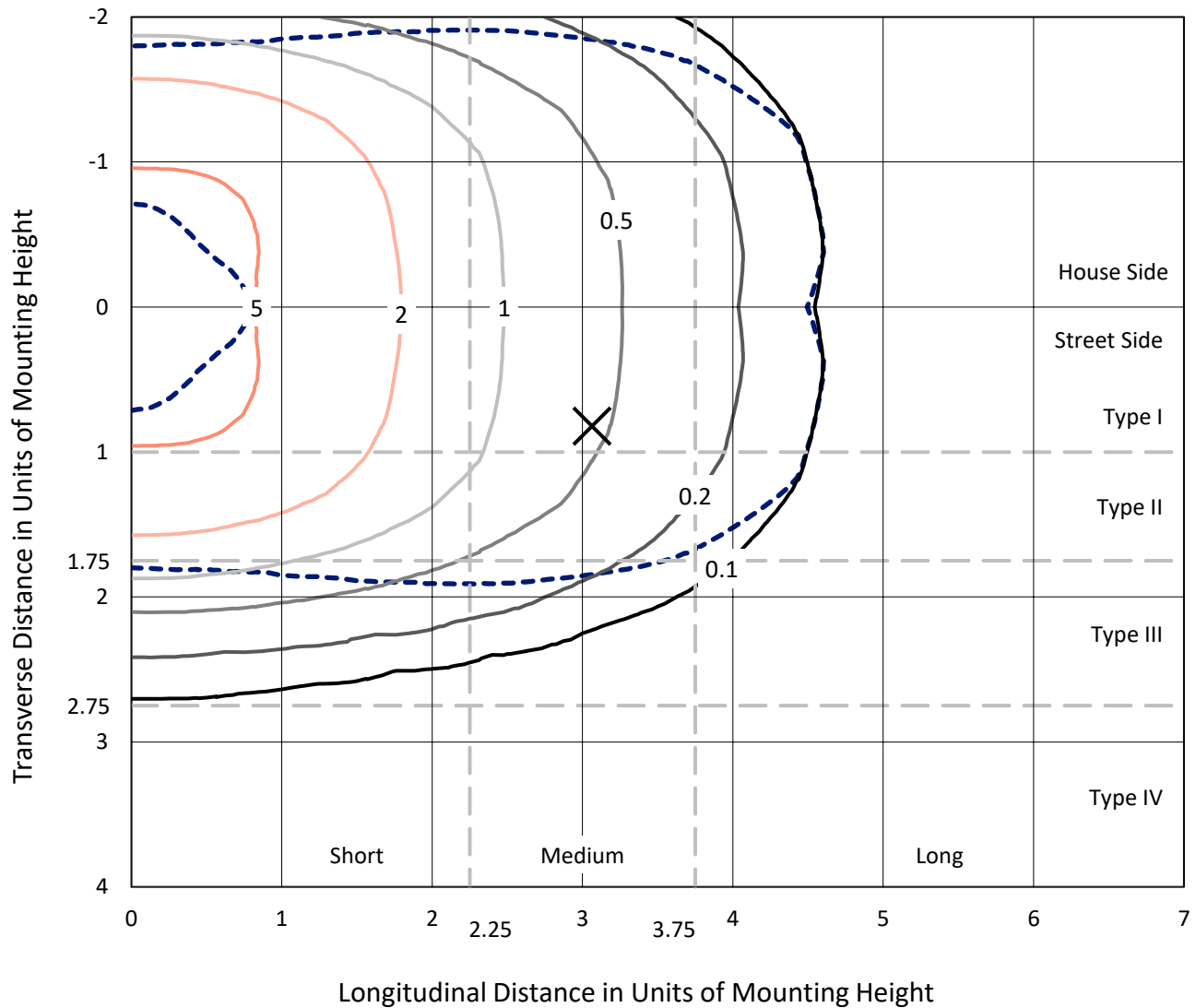


REPORT NUMBER: P954872

CATALOG NUMBER: GALN-SB8A-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

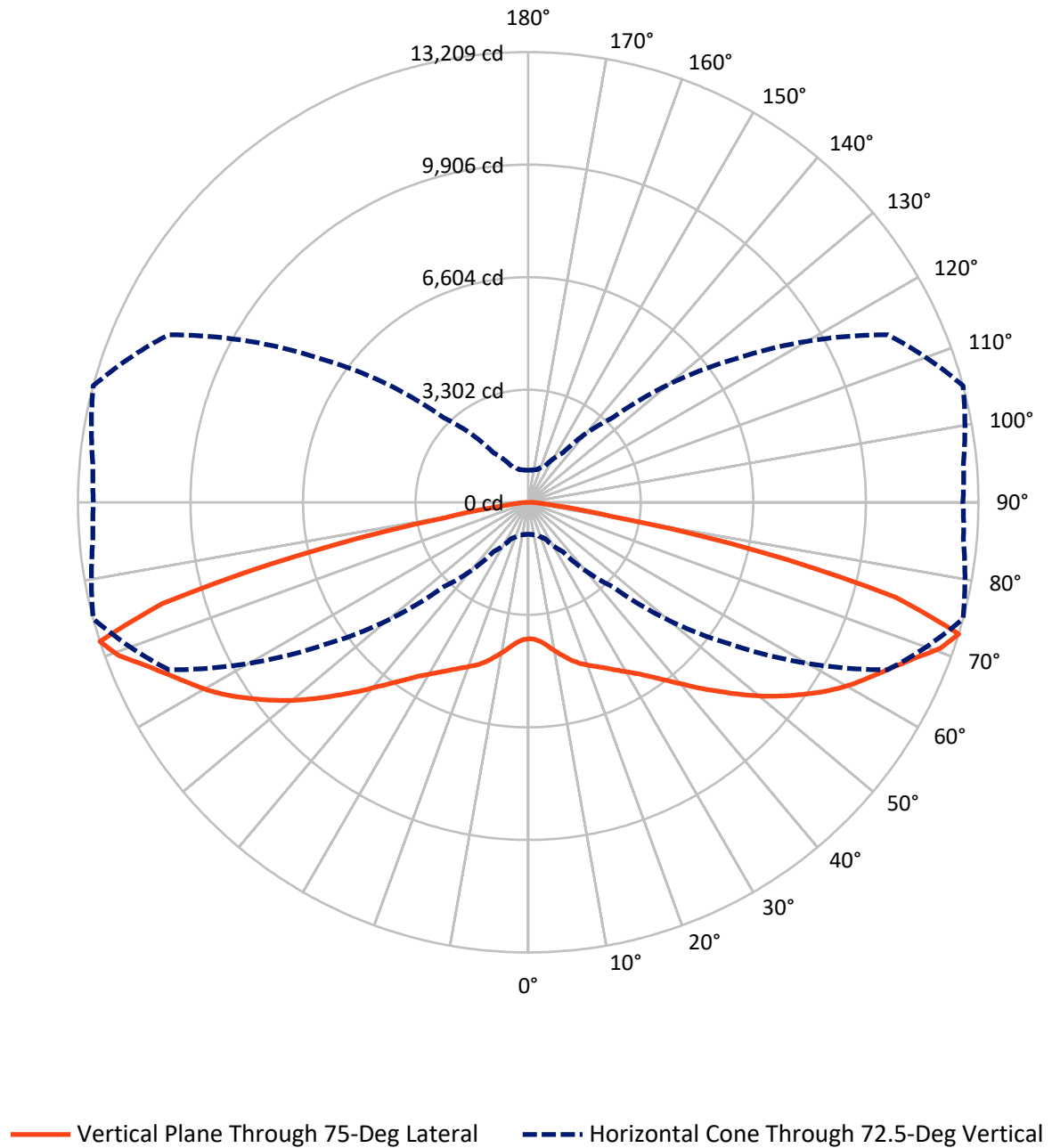


Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type III - Medium - N/A

REPORT NUMBER: P954872

CATALOG NUMBER: GALN-SB8A-730-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18676.0	0.0	18676.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18676.0	0.0	18676.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37352.0	0.0	37352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.9	1.0
10°-20°	1292.7	3.5
20°-30°	2497.9	6.7
30°-40°	4217.8	11.3
40°-50°	6688.9	17.9
50°-60°	8955.7	24.0
60°-70°	8523.0	22.8
70°-80°	4447.4	11.9
80°-90°	336.6	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°	37352.0	100.0
0°-180°	37352.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954872

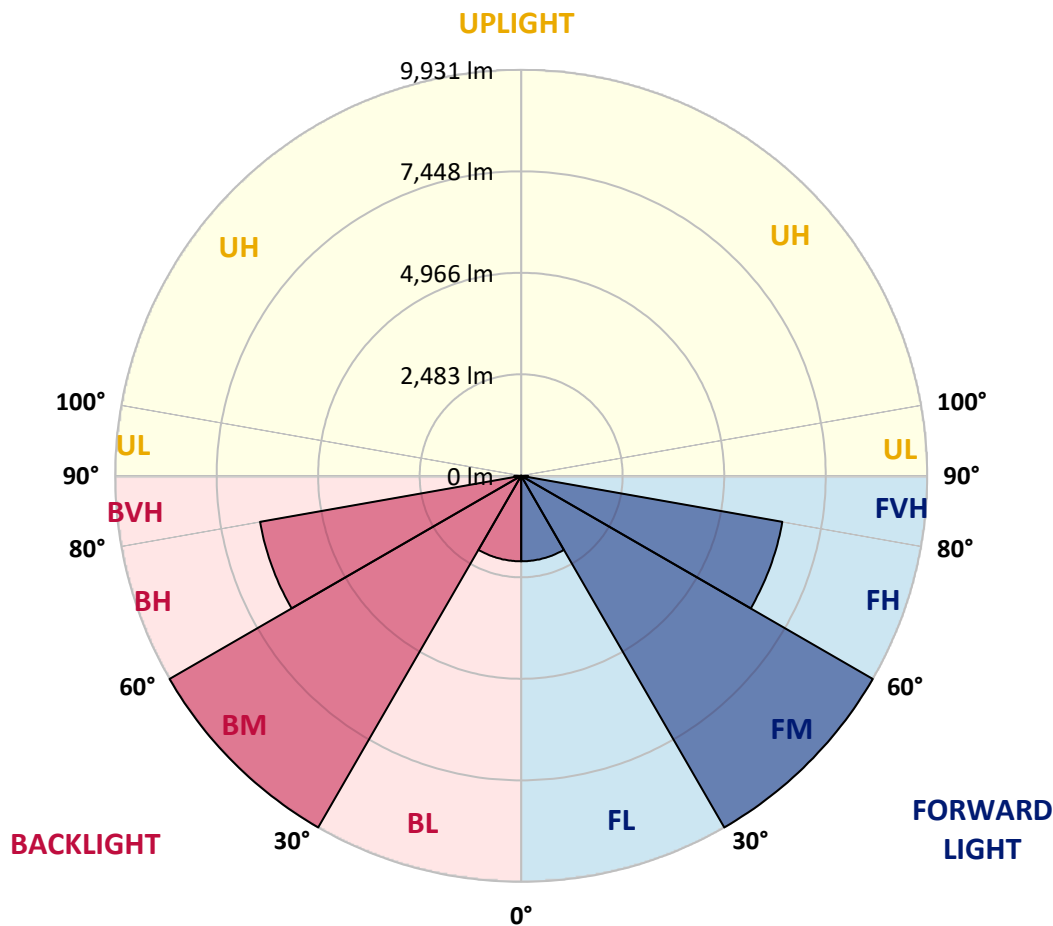
CATALOG NUMBER: GALN-SB8A-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2091.3	5.6			
FM	(30°-60°)	9931.2	26.6			
FH	(60°-80°)	6485.2	17.4			G3/7500
FVH	(80°-90°)	168.3	0.5			G2/225
BL	(0°-30°)	2091.3	5.6	B3/2500		
BM	(30°-60°)	9931.2	26.6	B5		
BH	(60°-80°)	6485.2	17.4	B5		G5
BVH	(80°-90°)	168.3	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



REPORT NUMBER: P954872

CATALOG NUMBER: GALN-SB8A-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4001.1	3997.3	4001.1	4004.9	4003.0	4003.0	4012.5	4018.2	4029.7	4027.8	4025.9
5°	3974.4	3972.5	3987.7	4004.9	4018.2	4041.1	4069.7	4090.7	4117.4	4123.1	4123.1
7.5°	3961.0	3955.3	3982.0	4012.5	4054.5	4111.7	4167.0	4224.2	4270.0	4285.2	4289.0
10°	3970.6	3972.5	4008.7	4065.9	4132.7	4212.8	4290.9	4388.2	4453.0	4468.3	4483.6
12.5°	4014.4	4010.6	4071.6	4163.2	4254.7	4355.8	4447.3	4554.1	4624.7	4660.9	4676.2
15°	4094.5	4086.9	4172.7	4308.1	4441.6	4559.8	4634.2	4735.3	4817.3	4863.1	4880.2
17.5°	4189.9	4193.7	4306.2	4481.7	4657.1	4790.6	4861.2	4912.7	4975.6	5015.6	5034.7
20°	4357.7	4365.3	4491.2	4699.1	4899.3	5051.9	5109.1	5090.0	5107.2	5137.7	5160.6
22.5°	4582.7	4586.5	4727.7	4952.7	5162.5	5330.3	5368.4	5290.3	5242.6	5263.6	5278.8
25°	4844.0	4868.8	5009.9	5240.7	5456.2	5616.4	5633.5	5515.3	5397.1	5402.8	5412.3
27.5°	5162.5	5185.4	5328.4	5557.3	5776.6	5915.8	5913.9	5755.6	5582.0	5538.2	5551.5
30°	5507.7	5532.5	5679.3	5915.8	6119.8	6241.9	6215.2	6026.4	5778.5	5696.5	5706.0
32.5°	5917.7	5932.9	6081.7	6318.2	6507.0	6604.2	6548.9	6316.3	6007.3	5913.9	5936.8
35°	6413.5	6436.4	6547.0	6770.2	6936.1	7016.2	6922.7	6648.1	6301.0	6196.1	6211.4
37.5°	6979.9	6964.7	7090.5	7288.9	7426.2	7475.8	7348.0	7021.9	6636.7	6512.7	6535.6
40°	7571.1	7563.5	7700.8	7891.5	7965.9	7996.4	7807.6	7451.0	7023.8	6890.3	6934.2
42.5°	8107.0	8101.3	8286.3	8498.0	8587.6	8553.3	8314.9	7906.8	7472.0	7319.4	7357.5
45°	8536.1	8528.5	8755.4	9052.9	9228.4	9171.2	8850.8	8410.3	7925.9	7767.6	7803.8
47.5°	8866.0	8869.9	9114.0	9482.0	9789.1	9810.1	9398.1	8923.3	8425.5	8246.2	8299.6
50°	9104.4	9115.9	9377.1	9785.3	10204.8	10389.8	9956.9	9449.6	8942.3	8740.2	8801.2
52.5°	9163.6	9184.5	9499.2	9977.9	10471.8	10824.6	10525.2	9955.0	9432.5	9239.8	9289.4
55°	8848.9	8890.8	9289.4	9962.6	10635.8	11110.7	11024.9	10468.0	9926.4	9728.0	9783.4
57.5°	8126.1	8185.2	8650.5	9529.7	10599.6	11307.1	11412.0	10960.0	10420.3	10229.6	10273.5
60°	7113.4	7184.0	7630.3	8589.5	10088.5	11379.6	11684.7	11438.7	10874.2	10689.2	10729.3
62.5°	5585.9	5677.4	6211.4	7336.6	9009.1	11042.0	11917.4	11871.6	11282.3	11051.6	11078.3
65°	3583.4	3680.7	4243.3	5572.5	7569.2	10008.4	11989.9	12293.1	11713.3	11391.0	11431.1
67.5°	2160.7	2204.6	2483.0	3377.5	5532.5	8450.3	11375.8	12760.3	12216.8	11816.3	11846.8
70°	1382.6	1407.4	1573.3	1983.4	3127.6	6165.6	9853.9	12848.0	12827.1	12253.0	12249.2
72.5°	938.3	945.9	989.8	1174.8	1769.8	3503.3	7267.9	11631.3	13208.5	12815.6	12754.6
75°	686.6	728.5	799.1	831.5	1005.0	1750.7	4165.1	8171.9	11131.7	11303.3	10887.6
77.5°	511.1	513.0	610.3	648.4	717.1	932.6	1762.1	4561.8	6911.3	7256.5	6472.7
80°	432.9	410.0	408.1	522.5	539.7	581.7	787.6	1575.3	2475.4	1500.9	1134.7
82.5°	360.4	335.6	303.2	408.1	368.1	356.6	341.4	640.8	787.6	387.1	329.9
85°	251.7	240.3	228.9	267.0	209.8	179.3	164.0	299.4	331.8	164.0	144.9
87.5°	108.7	112.5	114.4	118.2	87.7	62.9	62.9	83.9	83.9	64.8	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)