

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: P457880

Luminaire Tested: **GALN-SA9B-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48470 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

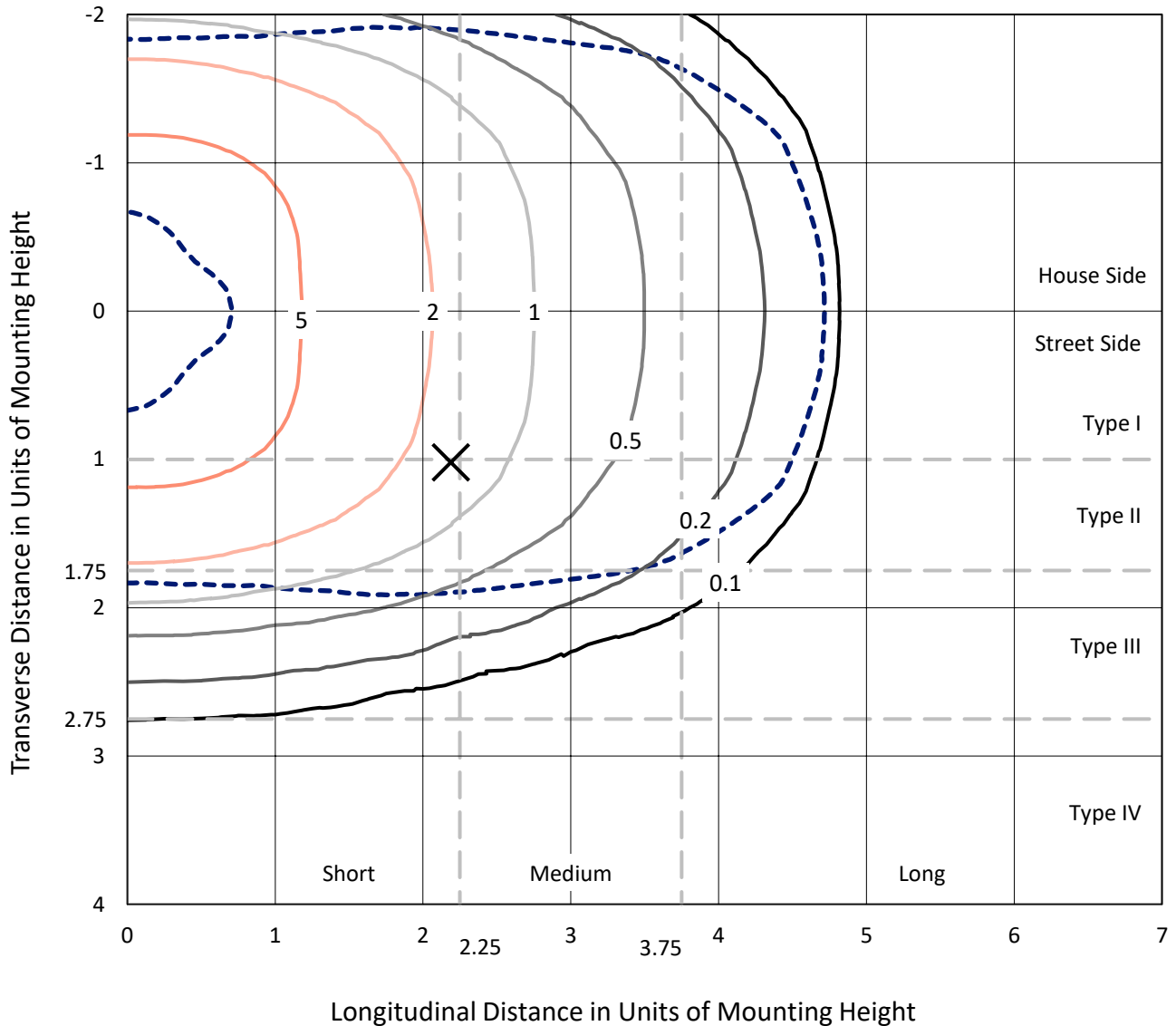
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

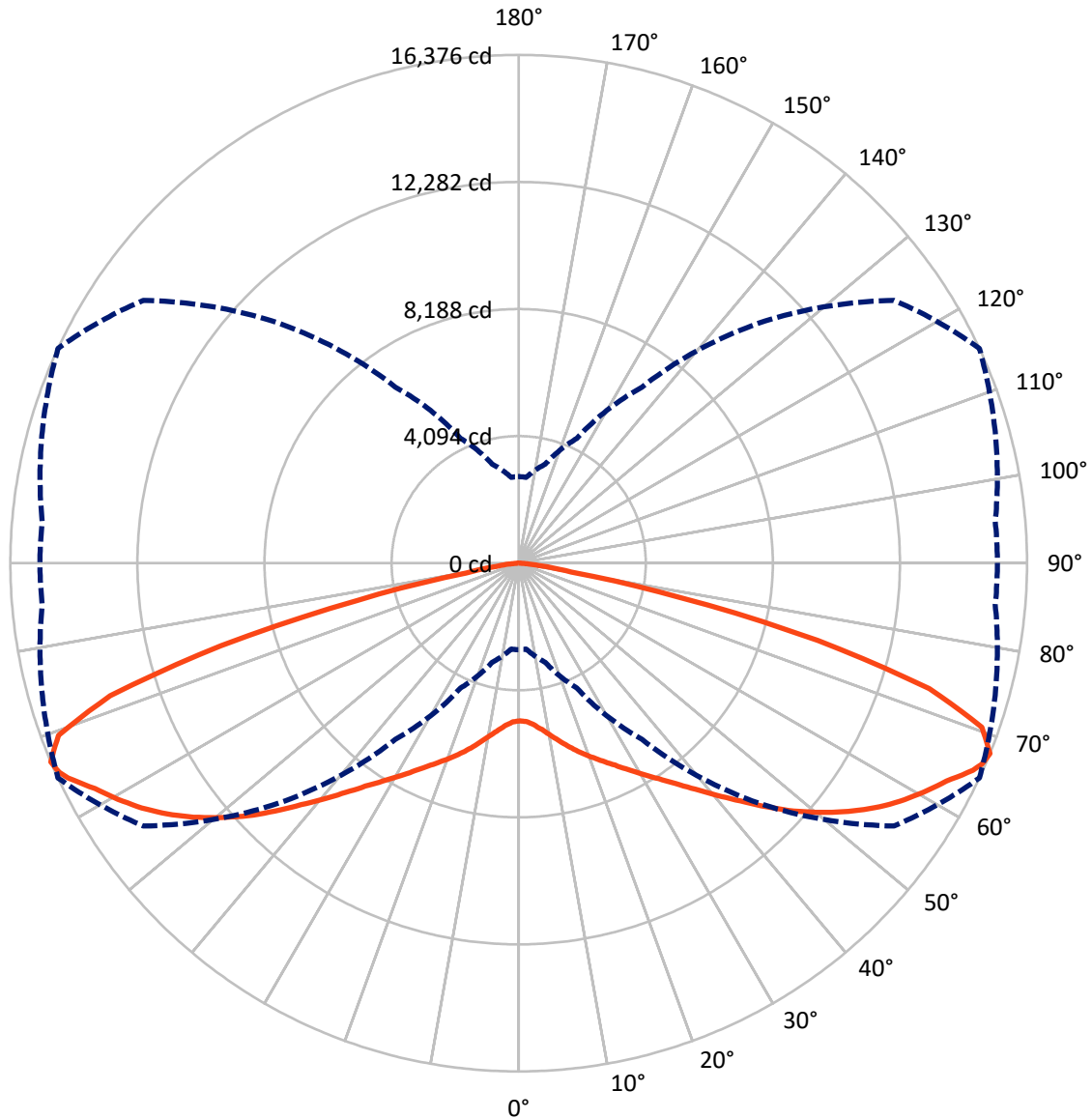
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24235.0	0.0	24235.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24235.0	0.0	24235.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48470.0	0.0	48470.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.7	1.0
10°-20°	1675.8	3.5
20°-30°	3278.0	6.8
30°-40°	5575.5	11.5
40°-50°	8824.4	18.2
50°-60°	11700.9	24.1
60°-70°	11037.6	22.8
70°-80°	5456.4	11.3
80°-90°	420.5	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°	48470.0	100.0
0°-180°	48470.0	100.0

Coefficient of Utilization



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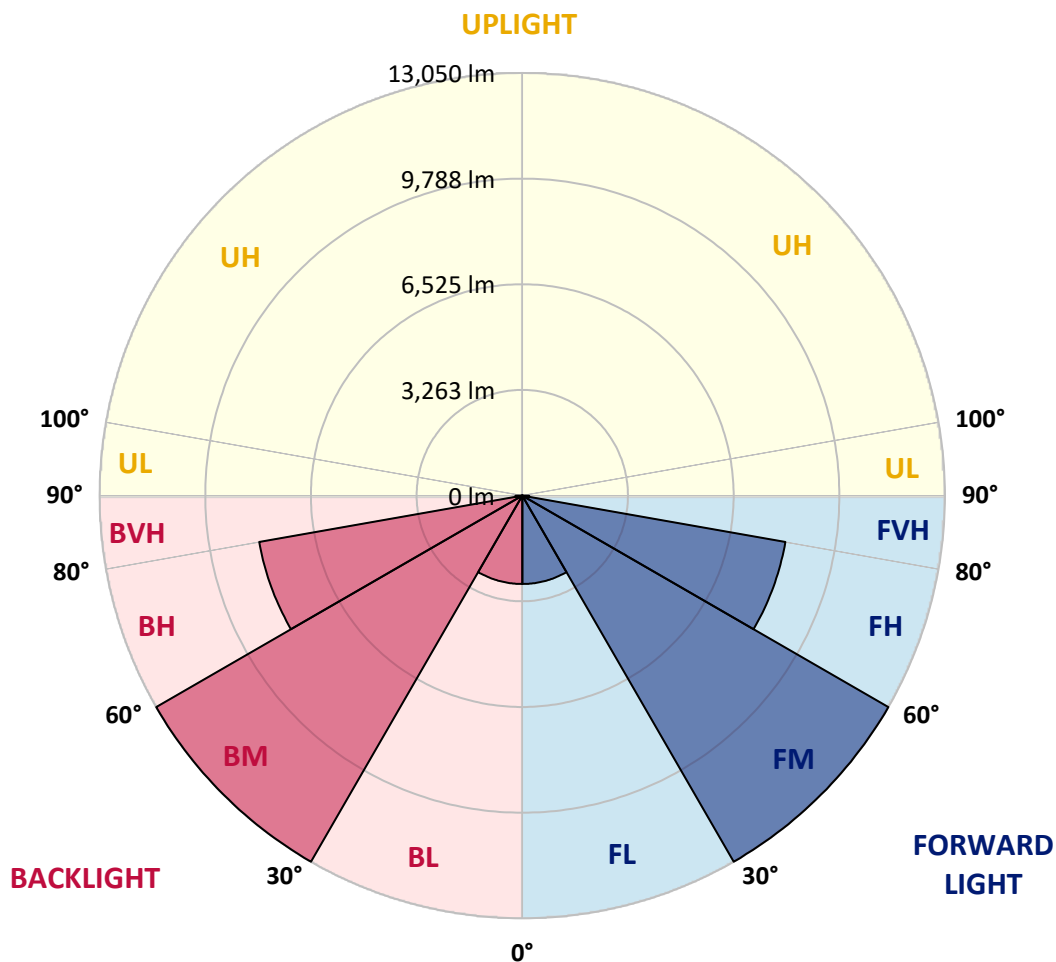
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2727.3	5.6			
FM	(30°-60°)	13050.4	26.9			
FH	(60°-80°)	8247.0	17.0			G4/12000
FVH	(80°-90°)	210.3	0.4			G2/225
BL	(0°-30°)	2727.3	5.6	B4/5000		
BM	(30°-60°)	13050.4	26.9	B5		
BH	(60°-80°)	8247.0	17.0	B5		G5
BVH	(80°-90°)	210.3	0.4			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5076.8	5076.8	5076.8	5076.8	5076.8	5076.8	5076.8	5076.8	5076.8	5076.8	5076.8
2.5°	5050.8	5056.0	5061.2	5069.0	5079.4	5095.0	5105.4	5113.2	5133.9	5136.5	5133.9
5°	5032.7	5037.9	5050.8	5074.2	5108.0	5154.7	5191.1	5235.2	5269.0	5292.3	5287.1
7.5°	5030.1	5040.4	5061.2	5110.6	5175.5	5256.0	5339.1	5414.4	5479.3	5531.3	5523.5
10°	5071.6	5084.6	5118.4	5191.1	5292.3	5409.2	5526.1	5637.7	5731.2	5798.7	5822.1
12.5°	5141.7	5152.1	5214.4	5323.5	5468.9	5614.3	5746.8	5884.4	6014.3	6128.5	6128.5
15°	5263.8	5282.0	5359.9	5518.3	5697.4	5866.2	6001.3	6146.7	6286.9	6416.8	6455.7
17.5°	5432.6	5458.5	5575.4	5777.9	6006.5	6162.3	6289.5	6409.0	6531.0	6655.7	6673.9
20°	5663.7	5689.7	5845.5	6089.6	6359.6	6546.6	6632.3	6660.9	6720.6	6840.1	6855.6
22.5°	5977.9	6003.9	6177.9	6453.1	6754.4	6956.9	6993.3	6925.7	6910.2	7003.7	7014.0
25°	6333.7	6357.0	6557.0	6853.0	7164.7	7385.4	7375.0	7208.8	7115.3	7172.4	7188.0
27.5°	6733.6	6767.3	6969.9	7276.3	7613.9	7808.7	7777.5	7536.0	7336.0	7325.7	7330.9
30°	7245.2	7281.5	7473.7	7767.1	8099.5	8278.7	8213.8	7889.2	7580.2	7476.3	7476.3
32.5°	7785.3	7876.2	8071.0	8377.4	8637.1	8766.9	8668.2	8278.7	7868.4	7723.0	7715.2
35°	8489.0	8538.4	8730.5	9029.2	9223.9	9325.2	9135.7	8717.6	8244.9	8073.5	8050.2
37.5°	9177.2	9218.8	9442.1	9727.7	9964.0	9958.8	9701.8	9239.5	8712.4	8520.2	8504.6
40°	9880.9	9925.1	10179.6	10441.9	10678.2	10657.4	10345.8	9829.0	9268.1	9052.6	9094.1
42.5°	10491.2	10540.5	10828.8	11202.7	11415.7	11410.5	11049.5	10467.8	9883.5	9691.4	9727.7
45°	11046.9	11091.1	11426.1	11854.5	12166.2	12205.1	11810.4	11194.9	10595.1	10348.4	10358.8
47.5°	11439.0	11522.1	11872.7	12363.5	12786.8	12924.4	12537.5	11935.0	11244.3	10987.2	11002.8
50°	11737.7	11789.6	12171.3	12729.7	13264.6	13550.3	13238.6	12620.6	11893.5	11620.8	11657.2
52.5°	11774.0	11836.4	12251.8	12895.9	13581.4	14015.1	13861.9	13290.6	12555.7	12275.2	12353.1
55°	11478.0	11514.3	12010.3	12792.0	13706.1	14360.5	14399.4	13913.8	13186.7	12973.8	13025.7
57.5°	10634.0	10727.5	11355.9	12306.4	13534.7	14544.9	14801.9	14479.9	13825.5	13615.2	13698.3
60°	9249.9	9343.4	9974.4	11179.4	12888.1	14459.2	15134.3	14981.1	14404.6	14235.8	14280.0
62.5°	7247.8	7240.0	8021.6	9499.2	11602.6	14038.5	15381.0	15464.1	14975.9	14763.0	14830.5
65°	4697.7	4721.0	5476.7	7068.6	9662.8	12968.6	15435.6	16079.6	15536.8	15214.8	15264.2
66°	3778.4	3848.5	4489.9	5957.1	8673.4	12267.4	15272.0	16261.4	15708.2	15318.7	15342.1
67.5°	2789.0	2776.0	3303.2	4435.4	6925.7	10935.3	14760.4	16375.6	15903.0	15412.2	15422.6
70°	1591.9	1589.3	1776.2	2435.8	4071.8	7699.6	12441.4	15827.7	16297.7	15749.8	15721.2
72.5°	1163.4	1155.6	1181.6	1345.2	1986.6	3887.5	8582.5	13833.3	16095.2	15695.2	15614.7
75°	976.4	971.2	966.0	986.8	1114.0	1760.7	4554.8	9951.1	13965.8	14731.8	14648.7
77.5°	797.2	797.2	799.8	794.6	799.8	927.1	1887.9	5333.9	8504.6	9494.0	9725.1
80°	623.2	620.6	664.8	646.6	605.1	594.7	836.2	1716.5	2822.8	2807.2	2316.4
82.5°	459.6	428.5	506.4	493.4	446.7	379.1	488.2	732.3	942.6	612.9	454.4
85°	290.8	288.2	358.4	327.2	272.7	179.2	233.7	314.2	389.5	236.3	192.2
87.5°	51.9	49.3	114.3	83.1	83.1	51.9	64.9	85.7	127.2	88.3	64.9
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)