

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: P455092

Luminaire Tested: **GALN-SA6B-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32070 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

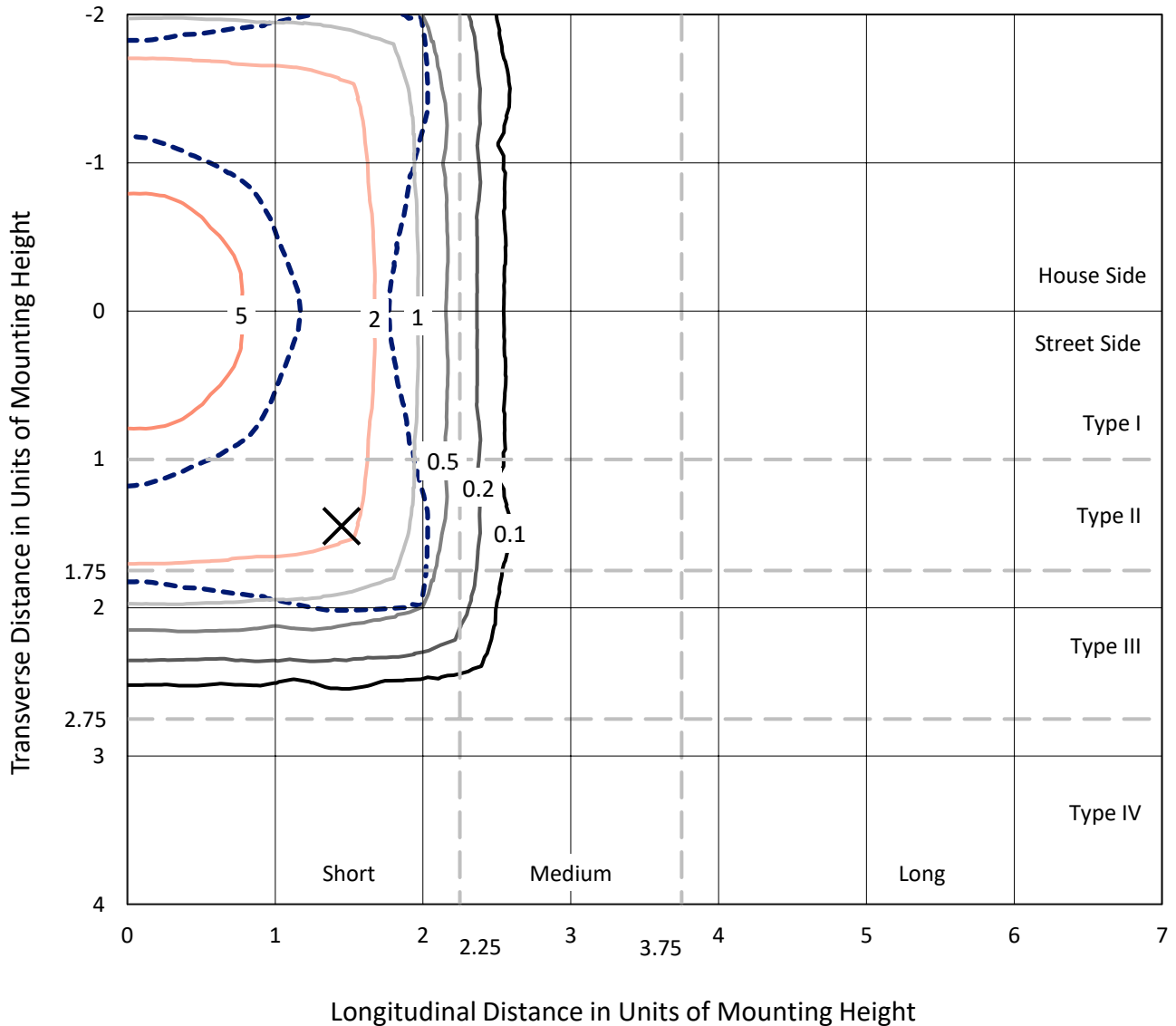
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

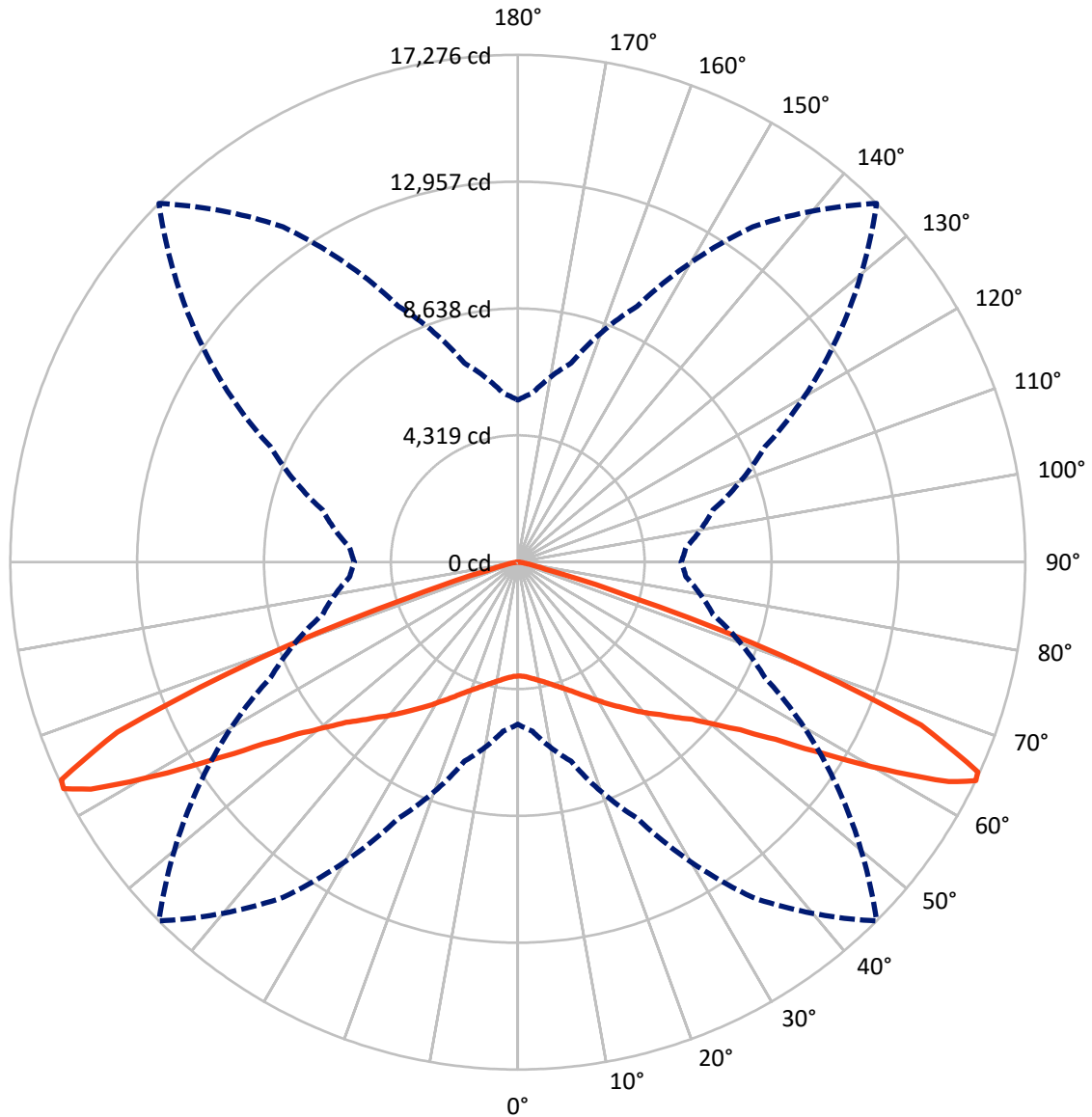
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16035.0	0.0	16035.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16035.0	0.0	16035.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32070.0	0.0	32070.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.8	1.2
10°-20°	1228.3	3.8
20°-30°	2321.2	7.2
30°-40°	3844.2	12.0
40°-50°	6001.5	18.7
50°-60°	9278.1	28.9
60°-70°	8000.4	24.9
70°-80°	906.7	2.8
80°-90°	108.6	0.3
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°	32070.0	100.0
0°-180°	32070.0	100.0

Coefficient of Utilization



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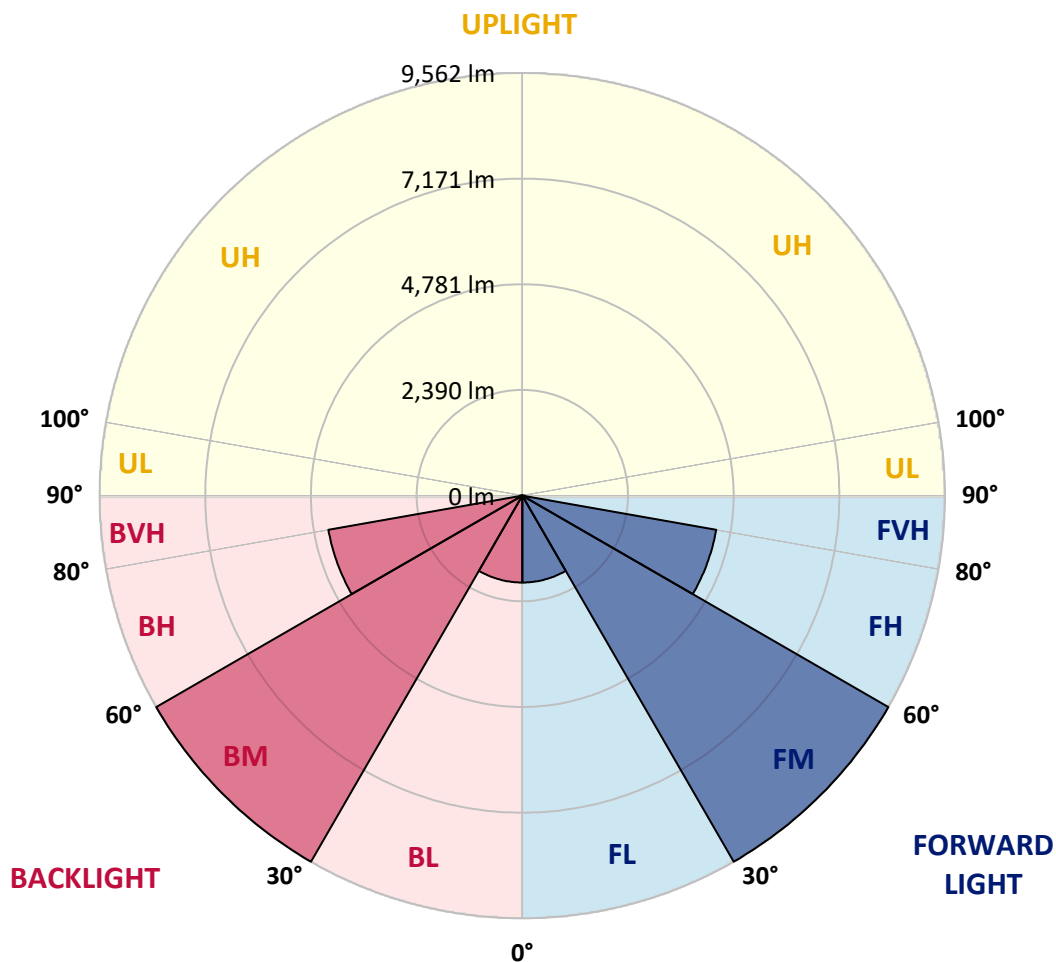
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1965.2	6.1			
FM	(30°-60°)	9561.9	29.8			
FH	(60°-80°)	4453.5	13.9			G2/5000
FVH	(80°-90°)	54.3	0.2			G1/100
BL	(0°-30°)	1965.2	6.1	B3/2500		
BM	(30°-60°)	9561.9	29.8	B5		
BH	(60°-80°)	4453.5	13.9	B4/5000		G2/5000
BVH	(80°-90°)	54.3	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°	90°
0°	3876.2	3876.2	3876.2	3876.2	3876.2	3876.2	3876.2	3876.2	3876.2	3876.2	3876.2
2.5°	3891.5	3900.0	3893.2	3891.5	3889.8	3889.8	3889.8	3891.5	3898.3	3903.4	3900.0
5°	3940.7	3947.5	3944.1	3942.4	3940.7	3942.4	3939.0	3937.3	3942.4	3942.4	3940.7
7.5°	4001.9	4010.4	4007.0	4010.4	4012.1	4013.8	4005.3	3998.5	3996.8	4001.9	3998.5
10°	4085.1	4091.9	4093.6	4095.3	4098.7	4097.0	4086.8	4074.9	4073.2	4071.5	4069.8
12.5°	4178.5	4183.6	4185.3	4192.1	4197.2	4198.9	4187.0	4176.9	4159.9	4163.3	4156.5
15°	4283.9	4294.1	4292.4	4302.5	4316.1	4319.5	4307.6	4290.7	4275.4	4266.9	4261.8
17.5°	4413.0	4419.7	4416.4	4426.5	4443.5	4452.0	4441.8	4419.7	4404.5	4385.8	4375.6
20°	4565.8	4577.7	4581.1	4581.1	4596.4	4604.9	4589.6	4582.8	4559.0	4545.4	4537.0
22.5°	4739.1	4744.2	4754.4	4764.6	4779.9	4776.5	4771.4	4761.2	4739.1	4727.2	4713.6
25°	4934.4	4939.5	4965.0	4987.1	4992.2	4988.8	4982.0	4976.9	4956.5	4929.3	4919.1
27.5°	5162.0	5172.2	5206.2	5226.6	5226.6	5228.3	5214.7	5231.7	5187.5	5155.2	5151.8
30°	5447.4	5454.2	5483.1	5503.5	5493.3	5484.8	5481.4	5498.4	5450.8	5393.0	5379.5
32.5°	5729.4	5753.1	5778.6	5822.8	5787.1	5771.8	5768.4	5780.3	5726.0	5661.4	5642.7
35°	6031.7	6048.7	6096.3	6133.6	6101.4	6065.7	6081.0	6118.3	6053.8	5967.2	5963.8
37.5°	6366.3	6381.6	6442.8	6481.8	6458.1	6396.9	6422.4	6466.6	6402.0	6295.0	6272.9
40°	6714.6	6746.8	6823.3	6864.0	6825.0	6743.4	6791.0	6838.6	6780.8	6656.8	6607.5
42.5°	7105.2	7156.2	7266.6	7287.0	7212.2	7101.8	7185.1	7261.5	7220.7	7078.1	7059.4
45°	7562.2	7592.7	7728.6	7772.8	7669.2	7531.6	7635.2	7774.5	7743.9	7579.1	7543.5
47.5°	8073.4	8102.3	8243.3	8309.5	8178.7	7993.6	8180.4	8362.2	8343.5	8166.9	8149.9
50°	8678.1	8684.9	8880.3	8955.0	8824.2	8664.5	8831.0	9056.9	8982.2	8756.3	8752.9
52.5°	9340.6	9349.1	9595.4	9739.8	9666.7	9486.7	9683.7	9821.3	9631.0	9335.5	9313.4
55°	9914.7	9957.2	10293.5	10677.4	10777.6	10646.8	10706.3	10641.7	10172.9	9758.4	9693.9
57.5°	10149.1	10232.3	10743.6	11460.4	12112.7	12306.3	11847.7	11232.8	10388.6	9802.6	9739.8
60°	9576.7	9666.7	10460.0	11820.5	13485.2	14326.0	13036.7	11333.0	9897.7	9073.9	8975.4
62.5°	7669.2	7694.6	8861.6	10972.9	14285.2	16462.8	13537.8	10478.6	8469.2	7349.8	7310.8
64°	5518.7	5780.3	7016.9	9620.9	13935.3	17276.4	13249.1	9281.1	6879.3	5746.4	5562.9
65°	4127.6	4198.9	5656.3	8216.1	13318.7	17215.3	12688.5	8136.3	5697.1	4397.7	4193.8
67.5°	1559.3	1567.8	2087.6	4095.3	9481.6	14811.8	9683.7	4426.5	2400.1	1736.0	1673.1
70°	647.2	659.1	766.1	1377.6	4074.9	9510.4	4669.4	1596.7	878.2	711.7	701.5
72.5°	473.9	480.7	513.0	611.5	1253.6	3905.1	1535.5	677.7	514.7	460.3	455.2
75°	372.0	375.4	399.2	450.1	584.3	1082.0	638.7	465.4	392.4	353.3	349.9
77.5°	283.7	292.2	309.1	343.1	392.4	513.0	423.0	348.2	302.4	270.1	265.0
80°	195.3	205.5	237.8	251.4	263.3	332.9	288.8	263.3	236.1	197.0	185.1
82.5°	120.6	127.4	159.7	171.6	166.5	186.8	185.1	188.5	168.2	122.3	113.8
85°	62.8	66.2	86.6	90.0	83.2	76.4	95.1	110.4	103.6	69.6	67.9
87.5°	13.6	15.3	18.7	17.0	18.7	18.7	23.8	35.7	37.4	23.8	22.1
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)