

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: P455096

Luminaire Tested: **GALN-SA6B-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455096
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-SA6B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 31705 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

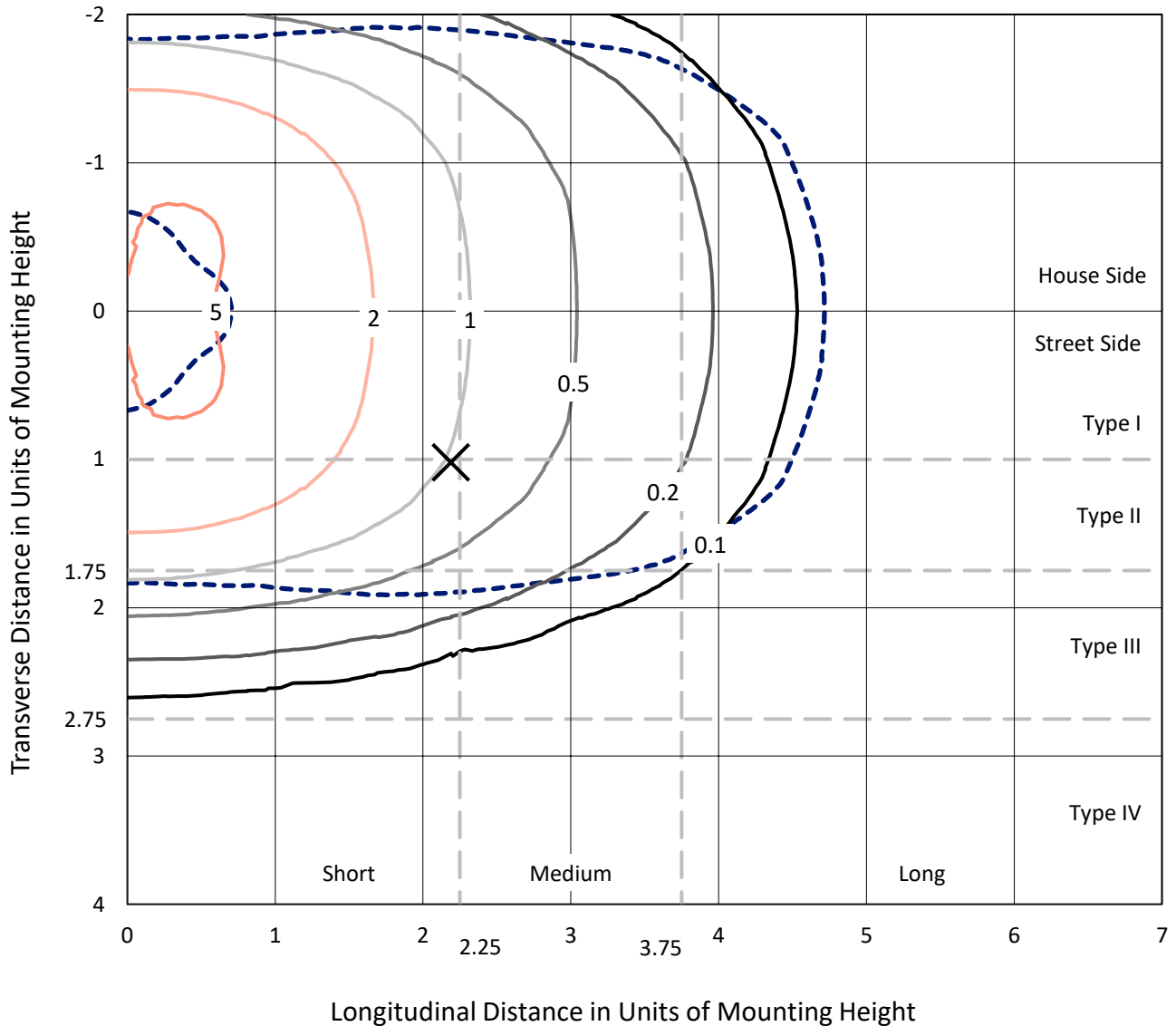
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

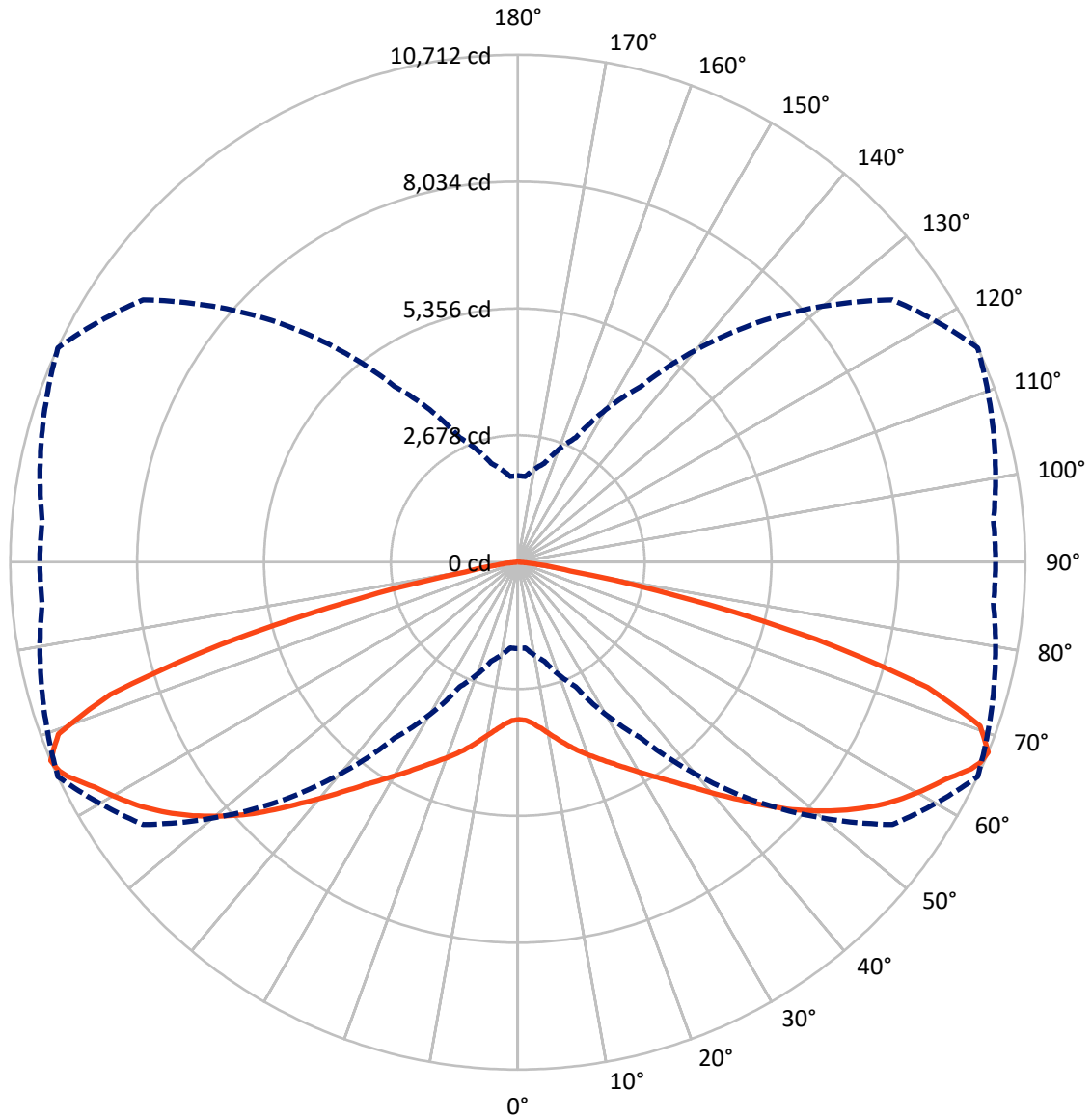
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	15852.5	0.0	15852.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15852.5	0.0	15852.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31705.0	0.0	31705.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.0
10°-20°	1096.2	3.5
20°-30°	2144.2	6.8
30°-40°	3647.0	11.5
40°-50°	5772.2	18.2
50°-60°	7653.8	24.1
60°-70°	7219.9	22.8
70°-80°	3569.2	11.3
80°-90°	275.1	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°	31705.0	100.0
0°-180°	31705.0	100.0

Coefficient of Utilization



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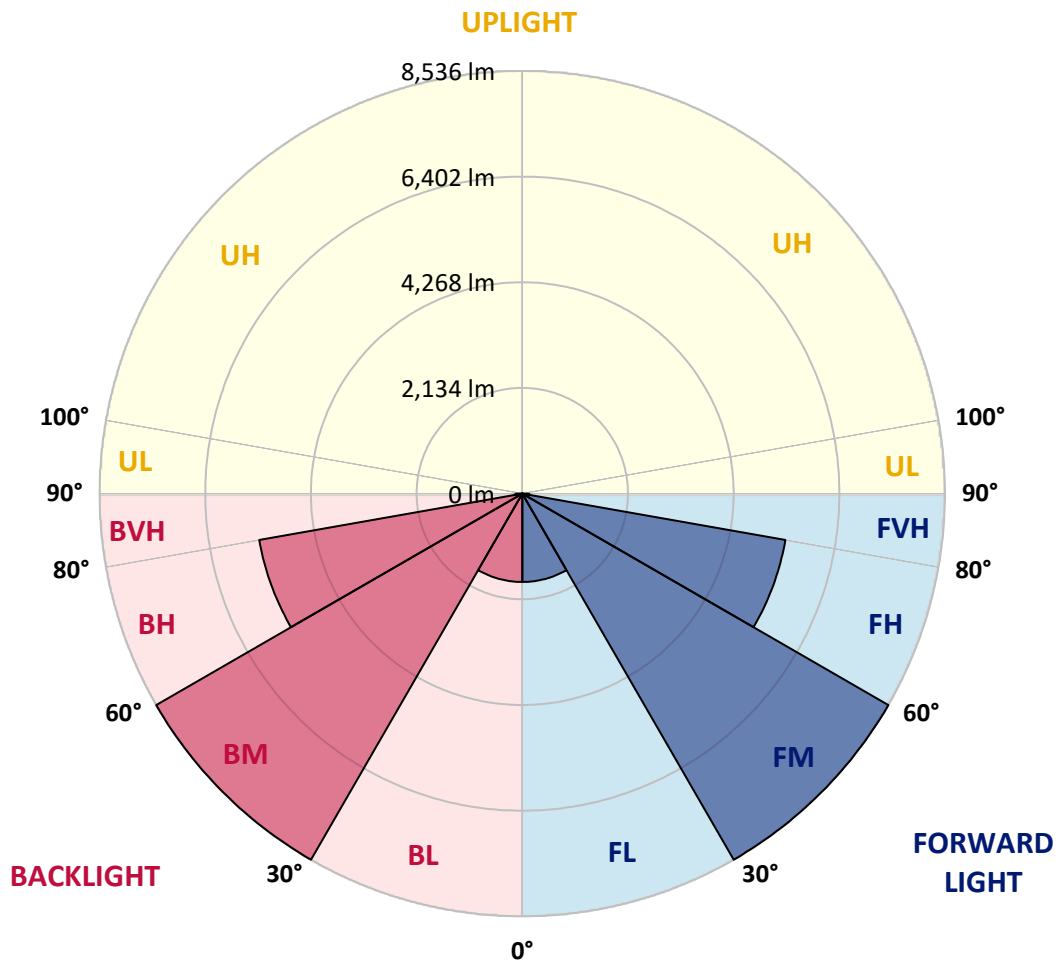
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1784.0	5.6			
FM	(30°-60°)	8536.5	26.9			
FH	(60°-80°)	5394.5	17.0			G3/7500
FVH	(80°-90°)	137.5	0.4			G2/225
BL	(0°-30°)	1784.0	5.6	B3/2500		
BM	(30°-60°)	8536.5	26.9	B5		
BH	(60°-80°)	5394.5	17.0	B5		G5
BVH	(80°-90°)	137.5	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°	3320.8	3320.8	3320.8	3320.8	3320.8	3320.8	3320.8	3320.8	3320.8	3320.8	3320.8
2.5°	3303.8	3307.2	3310.6	3315.7	3322.5	3332.7	3339.5	3344.6	3358.2	3359.9	3358.2
5°	3291.9	3295.3	3303.8	3319.1	3341.2	3371.8	3395.6	3424.4	3446.5	3461.8	3458.4
7.5°	3290.2	3297.0	3310.6	3342.9	3385.4	3438.0	3492.4	3541.6	3584.1	3618.1	3613.0
10°	3317.4	3325.9	3348.0	3395.6	3461.8	3538.2	3614.7	3687.7	3748.9	3793.0	3808.3
12.5°	3363.3	3370.1	3410.8	3482.2	3577.3	3672.4	3759.1	3849.1	3934.0	4008.8	4008.8
15°	3443.1	3455.0	3506.0	3609.6	3726.8	3837.2	3925.5	4020.7	4112.4	4197.3	4222.8
17.5°	3553.5	3570.5	3647.0	3779.4	3928.9	4030.8	4114.1	4192.2	4272.1	4353.6	4365.5
20°	3704.7	3721.7	3823.6	3983.3	4159.9	4282.2	4338.3	4357.0	4396.1	4474.2	4484.4
22.5°	3910.2	3927.2	4041.0	4221.1	4418.1	4550.6	4574.4	4530.2	4520.1	4581.2	4588.0
25°	4143.0	4158.2	4289.0	4482.7	4686.5	4830.9	4824.1	4715.4	4654.2	4691.6	4701.8
27.5°	4404.5	4426.6	4559.1	4759.6	4980.4	5107.8	5087.4	4929.4	4798.6	4791.8	4795.2
30°	4739.2	4763.0	4888.7	5080.6	5298.0	5415.2	5372.8	5160.4	4958.3	4890.4	4890.4
32.5°	5092.5	5151.9	5279.3	5479.8	5649.6	5734.6	5670.0	5415.2	5146.8	5051.7	5046.6
35°	5552.8	5585.1	5710.8	5906.1	6033.5	6099.8	5975.8	5702.3	5393.1	5281.0	5265.7
37.5°	6003.0	6030.1	6176.2	6363.1	6517.6	6514.2	6346.1	6043.7	5698.9	5573.2	5563.0
40°	6463.3	6492.2	6658.6	6830.2	6984.8	6971.2	6767.3	6429.3	6062.4	5921.4	5948.6
42.5°	6862.5	6894.7	7083.3	7327.9	7467.2	7463.8	7227.7	6847.2	6465.0	6339.3	6363.1
45°	7226.0	7254.8	7474.0	7754.2	7958.1	7983.6	7725.4	7322.8	6930.4	6769.0	6775.8
47.5°	7482.5	7536.8	7766.1	8087.2	8364.0	8454.1	8201.0	7806.9	7355.1	7186.9	7197.1
50°	7677.8	7711.8	7961.5	8326.7	8676.6	8863.4	8659.6	8255.3	7779.7	7601.4	7625.1
52.5°	7701.6	7742.3	8014.1	8435.4	8883.8	9167.5	9067.3	8693.6	8212.9	8029.4	8080.4
55°	7507.9	7531.7	7856.2	8367.4	8965.4	9393.4	9418.9	9101.3	8625.6	8486.3	8520.3
57.5°	6955.9	7017.0	7428.1	8049.8	8853.3	9514.0	9682.2	9471.6	9043.5	8905.9	8960.3
60°	6050.5	6111.7	6524.4	7312.6	8430.3	9458.0	9899.6	9799.4	9422.3	9311.9	9340.8
62.5°	4740.9	4735.8	5247.1	6213.6	7589.5	9182.8	10061.0	10115.3	9796.0	9656.7	9700.9
65°	3072.8	3088.1	3582.4	4623.7	6320.6	8483.0	10096.6	10517.9	10162.9	9952.3	9984.5
66°	2471.5	2517.4	2936.9	3896.7	5673.4	8024.3	9989.6	10636.8	10275.0	10020.2	10035.5
67.5°	1824.3	1815.8	2160.7	2901.3	4530.2	7152.9	9655.0	10711.6	10402.4	10081.4	10088.2
70°	1041.3	1039.6	1161.9	1593.3	2663.4	5036.4	8138.1	10353.1	10660.6	10302.2	10283.5
72.5°	761.0	755.9	772.9	879.9	1299.5	2542.8	5614.0	9048.6	10528.1	10266.5	10213.9
75°	638.7	635.3	631.9	645.5	728.7	1151.7	2979.4	6509.1	9135.2	9636.3	9582.0
77.5°	521.5	521.5	523.2	519.8	523.2	606.4	1234.9	3489.0	5563.0	6210.2	6361.4
80°	407.7	406.0	434.8	423.0	395.8	389.0	547.0	1122.8	1846.4	1836.2	1515.2
82.5°	300.7	280.3	331.2	322.7	292.2	248.0	319.3	479.0	616.6	400.9	297.3
85°	190.2	188.5	234.4	214.0	178.4	117.2	152.9	205.5	254.8	154.6	125.7
87.5°	34.0	32.3	74.7	54.4	54.4	34.0	42.5	56.1	83.2	57.8	42.5
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)