

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: P454875

Luminaire Tested: **GALN-SA6A-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24653 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

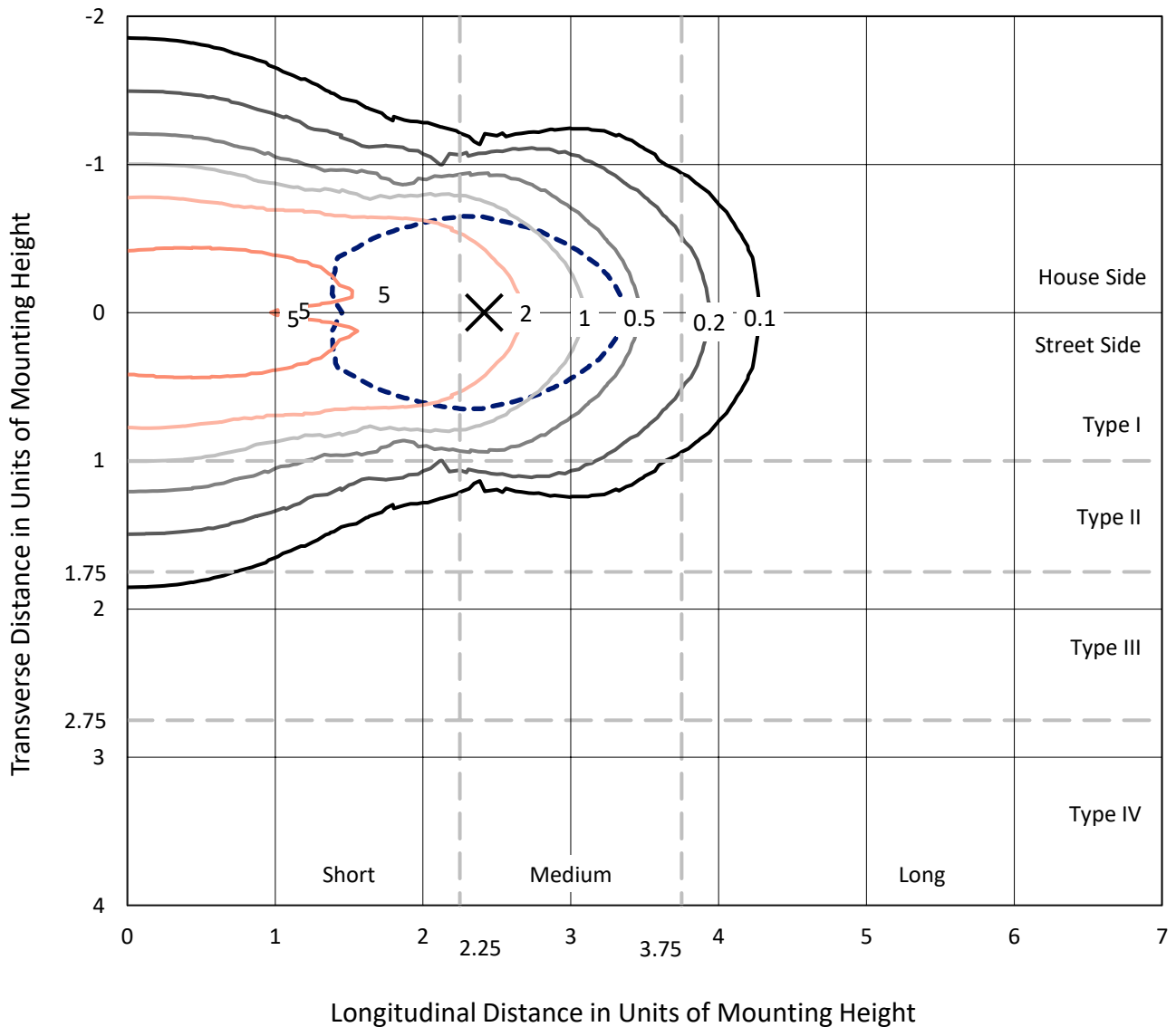
Input Watts (W): 182
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

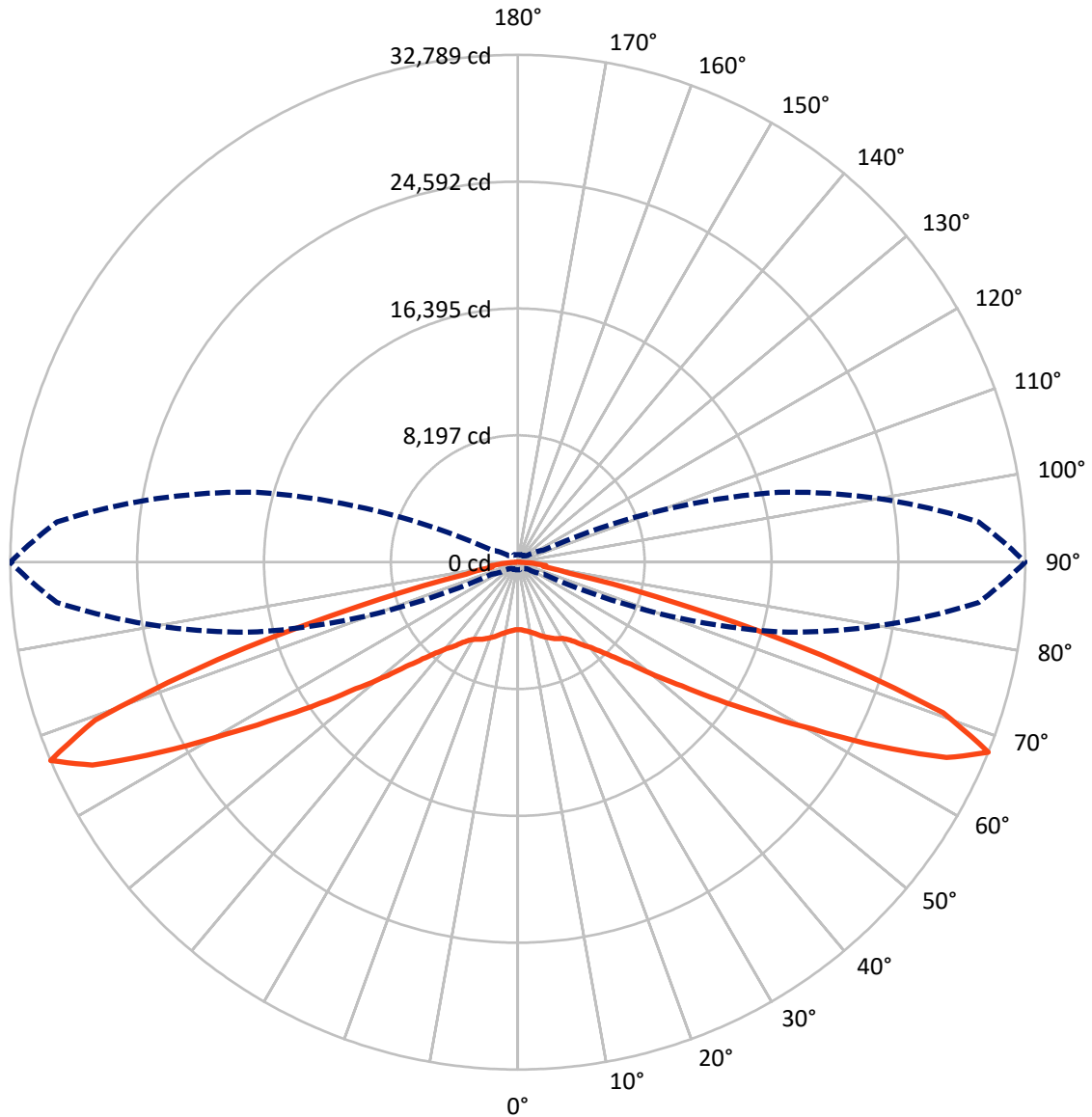
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12326.5	0.0	12326.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12326.5	0.0	12326.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24653.0	0.0	24653.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.1	1.8
10°-20°	1392.2	5.6
20°-30°	2330.1	9.5
30°-40°	3156.7	12.8
40°-50°	3998.5	16.2
50°-60°	4995.1	20.3
60°-70°	5871.6	23.8
70°-80°	2246.1	9.1
80°-90°	227.6	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°	24653.0	100.0
0°-180°	24653.0	100.0



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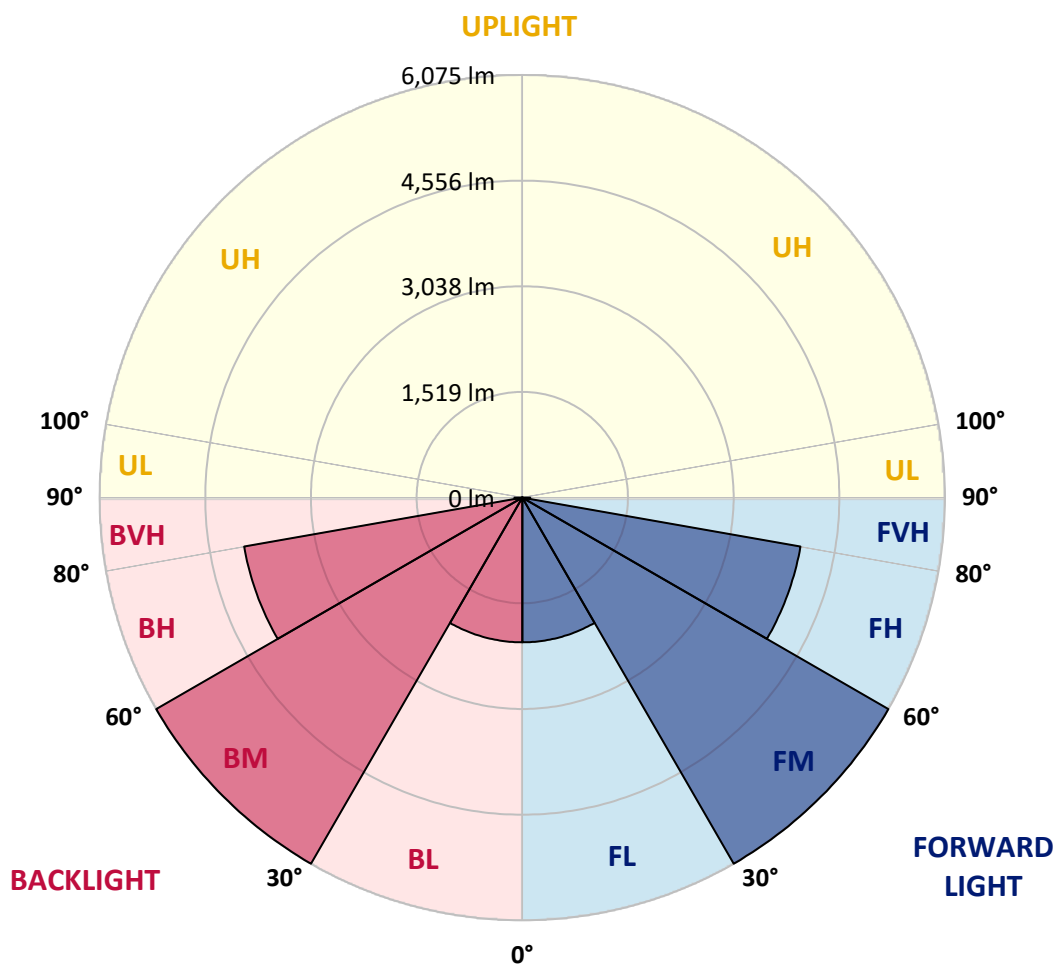
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2078.7	8.4			
FM (30°-60°)	6075.2	24.6			
FH (60°-80°)	4058.8	16.5			G2/5000
FVH (80°-90°)	113.8	0.5			G2/225
BL (0°-30°)	2078.7	8.4	B3/2500		
BM (30°-60°)	6075.2	24.6	B4/8500		
BH (60°-80°)	4058.8	16.5	B4/5000		G4/5000
BVH (80°-90°)	113.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4364.3	4364.3	4364.3	4364.3	4364.3	4364.3	4364.3	4364.3	4364.3	4364.3	4364.3
2.5°	4420.3	4417.6	4419.0	4417.6	4421.7	4419.0	4402.6	4388.9	4378.0	4379.4	4375.3
5°	4514.5	4515.9	4517.2	4510.4	4520.0	4514.5	4488.6	4466.7	4444.9	4436.7	4434.0
7.5°	4592.3	4599.2	4603.2	4610.1	4626.5	4626.5	4612.8	4581.4	4533.6	4506.3	4505.0
10°	4670.1	4675.6	4687.9	4709.7	4737.0	4763.0	4757.5	4715.2	4653.8	4607.3	4596.4
12.5°	4697.4	4704.3	4745.2	4808.0	4869.4	4920.0	4920.0	4885.8	4806.7	4735.7	4715.2
15°	4601.9	4614.2	4687.9	4821.7	4982.8	5093.3	5117.9	5070.1	4985.5	4876.3	4851.7
17.5°	4412.1	4442.2	4550.0	4748.0	5015.5	5244.9	5315.9	5292.6	5183.4	5044.2	5015.5
20°	4208.7	4241.5	4356.2	4618.3	4988.2	5333.6	5539.7	5545.2	5410.0	5208.0	5165.7
22.5°	3984.8	4009.4	4156.8	4464.0	4906.3	5354.1	5732.2	5826.4	5643.5	5371.8	5311.8
25°	3733.7	3761.0	3915.2	4246.9	4752.0	5330.9	5908.3	6115.8	5887.8	5546.6	5470.1
27.5°	3493.4	3504.3	3669.5	4006.7	4548.6	5270.8	6038.0	6382.0	6158.1	5691.3	5594.3
30°	3262.7	3288.6	3434.7	3767.8	4315.2	5153.4	6150.0	6685.1	6448.9	5842.8	5718.6
32.5°	3018.3	3049.7	3208.1	3545.3	4081.8	4977.3	6218.2	7016.8	6854.4	6088.5	5956.1
35°	2783.5	2804.0	2963.7	3291.3	3853.8	4772.5	6230.5	7390.9	7377.2	6461.2	6285.1
37.5°	2543.3	2573.3	2734.4	3048.4	3612.2	4555.5	6169.1	7788.1	8007.9	6978.6	6788.8
40°	2312.5	2338.5	2496.8	2813.6	3337.8	4290.6	6023.0	8151.2	8743.7	7511.0	7242.1
42.5°	2061.4	2068.2	2241.6	2563.7	3068.8	3983.5	5812.8	8474.8	9564.2	8225.0	7890.5
45°	1776.0	1793.8	1954.9	2271.6	2760.3	3639.5	5527.4	8742.3	10604.4	9214.7	8758.7
47.5°	1490.7	1505.7	1653.2	1965.8	2423.1	3244.9	5087.9	8977.2	11671.9	10472.0	9874.0
50°	1212.2	1220.4	1340.6	1617.7	2043.6	2829.9	4543.2	9052.2	12878.7	12252.1	11489.0
52.5°	958.3	970.6	1062.1	1279.1	1638.2	2339.8	3954.8	8866.6	14287.5	14362.6	13286.9
55°	776.8	780.9	849.1	1008.8	1280.5	1826.6	3244.9	8349.2	15802.8	17067.0	15695.0
57.5°	668.9	671.6	709.9	798.6	985.6	1377.4	2517.3	7370.4	17163.9	20235.5	18471.7
60°	607.5	608.9	630.7	682.6	780.9	1056.6	1803.3	5988.9	18507.2	23761.6	21922.8
62.5°	569.3	569.3	584.3	612.9	660.7	810.9	1306.4	4320.7	19427.3	27339.6	26176.5
65°	532.4	532.4	543.3	563.8	589.7	663.5	965.2	2817.6	19404.1	29945.7	30454.9
67.5°	490.1	490.1	498.3	518.8	533.8	570.6	745.4	1845.7	17430.1	29888.3	32789.3
70°	439.6	439.6	450.5	468.2	480.5	503.7	588.4	1262.8	12805.0	25519.9	29160.7
72.5°	389.1	390.4	397.3	415.0	424.6	438.2	488.7	884.6	7855.0	17376.9	20389.7
75°	333.1	335.8	342.6	360.4	368.6	374.0	412.3	630.7	3973.9	9368.9	10667.2
77.5°	268.9	274.4	278.5	297.6	303.1	311.3	339.9	456.0	1744.6	3366.4	3396.5
80°	196.6	203.4	215.7	233.4	237.5	243.0	259.4	323.5	790.4	1537.1	1669.6
82.5°	144.7	154.3	139.2	162.5	162.5	155.6	182.9	217.1	363.1	1522.1	1821.1
85°	79.2	80.5	72.4	83.3	88.7	87.4	96.9	106.5	176.1	1015.7	1047.1
87.5°	19.1	20.5	21.8	25.9	31.4	31.4	34.1	30.0	57.3	329.0	188.4
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)