

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: P530752

Luminaire Tested: **GALN-SA6A-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21641 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

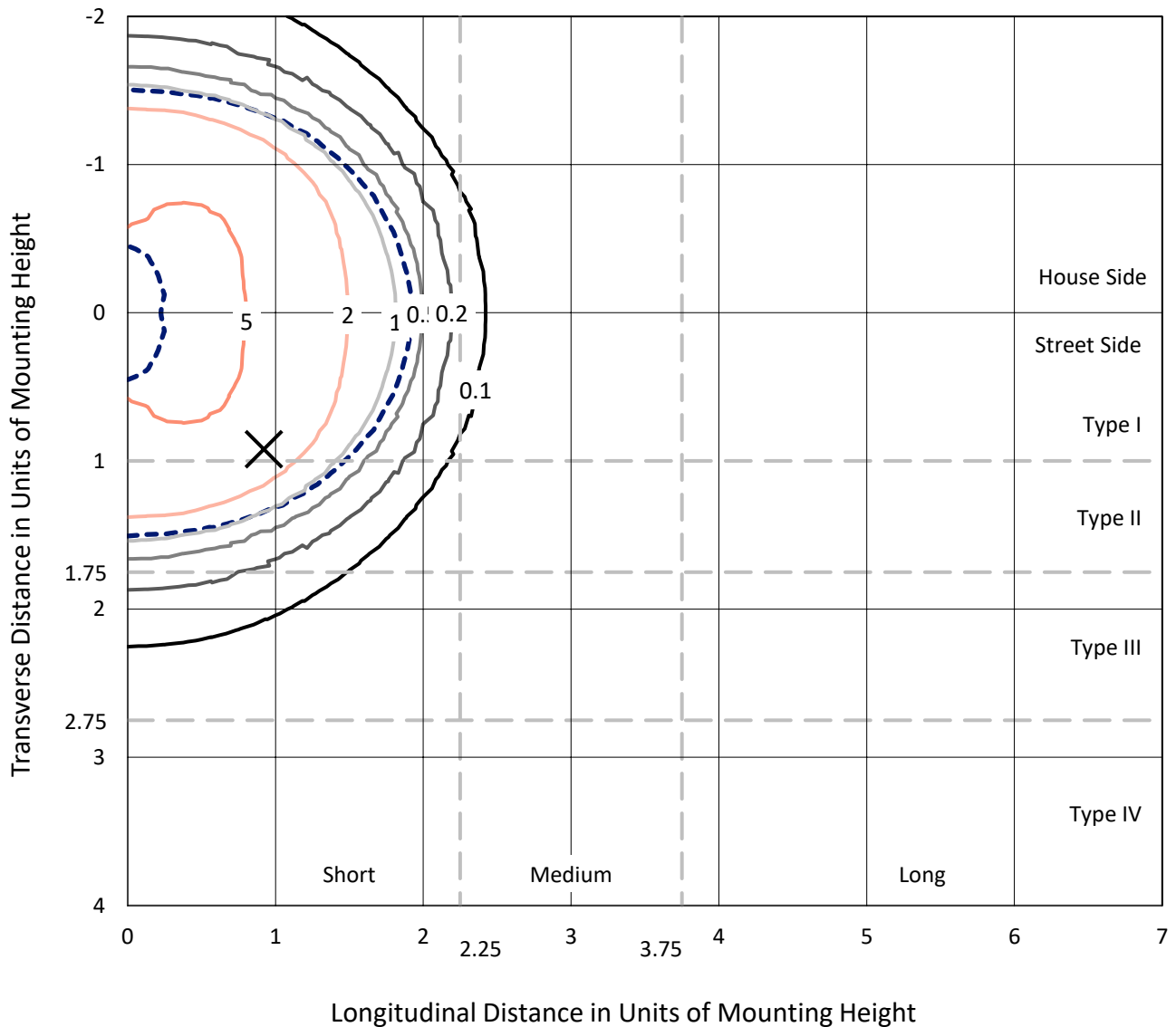
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

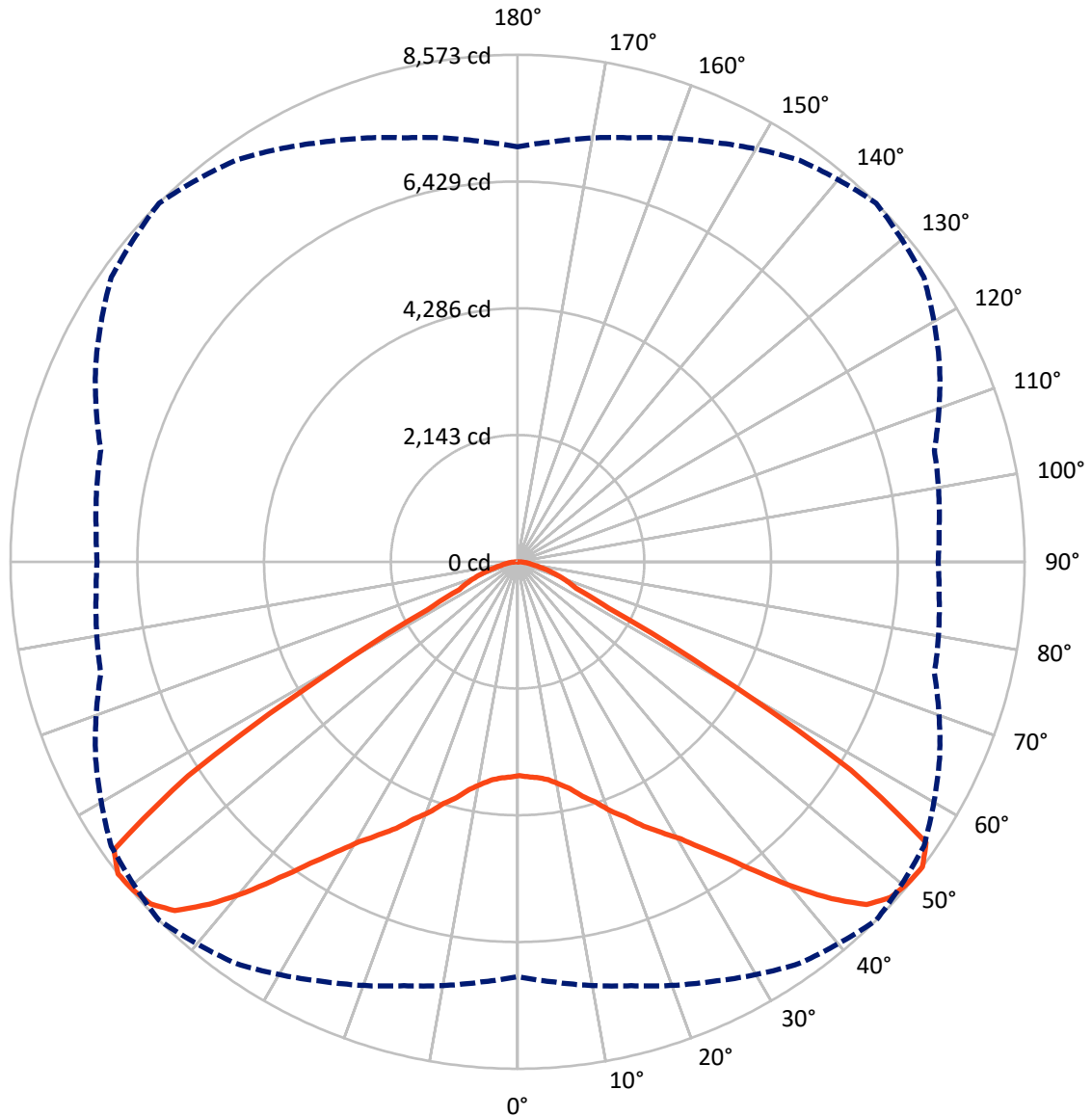
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10820.5	0.0	10820.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10820.5	0.0	10820.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21641.0	0.0	21641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.4	1.6
10°-20°	1167.9	5.4
20°-30°	2223.5	10.3
30°-40°	3817.9	17.6
40°-50°	5868.1	27.1
50°-60°	5959.0	27.5
60°-70°	1660.7	7.7
70°-80°	489.9	2.3
80°-90°	98.7	0.5
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°	21641.0	100.0
0°-180°	21641.0	100.0

Coefficient of Utilization



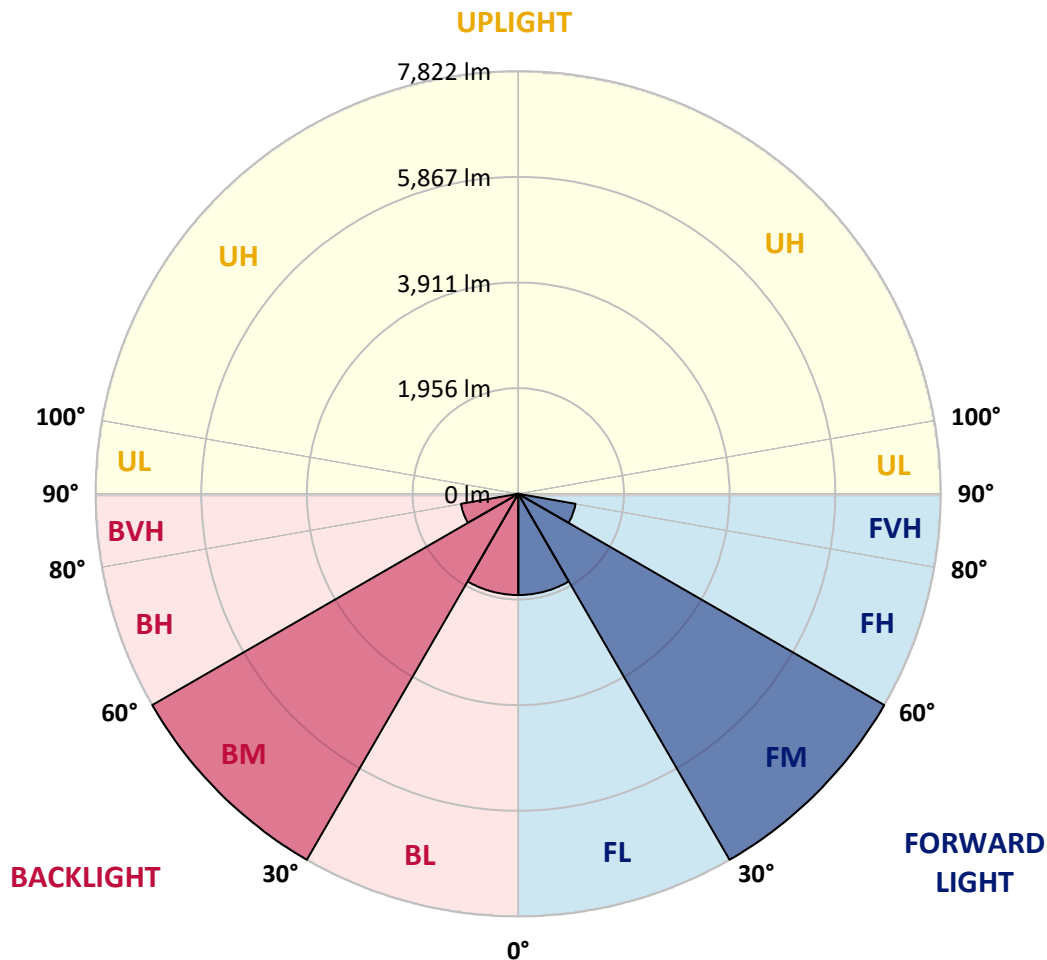
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1873.4	8.7			
FM (30°-60°)	7822.5	36.1			
FH (60°-80°)	1075.3	5.0			G1/1800
FVH (80°-90°)	49.3	0.2			G1/100
BL (0°-30°)	1873.4	8.7	B3/2500		
BM (30°-60°)	7822.5	36.1	B4/8500		
BH (60°-80°)	1075.3	5.0	B3/2500		G1/1800
BVH (80°-90°)	49.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3617.6	3617.6	3617.6	3617.6	3617.6	3617.6	3617.6	3617.6	3617.6	3617.6	3617.6
2.5°	3625.6	3588.0	3601.5	3609.5	3644.4	3641.7	3633.7	3644.4	3655.2	3657.9	3652.5
5°	3622.9	3596.1	3606.8	3614.9	3649.8	3668.6	3663.2	3708.9	3741.1	3733.1	3773.3
7.5°	3601.5	3617.6	3604.2	3644.4	3674.0	3719.6	3768.0	3810.9	3851.2	3896.9	3904.9
10°	3649.8	3649.8	3674.0	3706.2	3784.1	3819.0	3888.8	3950.6	4028.5	4082.2	4060.7
12.5°	3700.8	3708.9	3708.9	3792.1	3856.6	3934.5	3998.9	4082.2	4192.3	4256.8	4289.0
15°	3751.9	3757.2	3784.1	3896.9	3993.6	4117.1	4176.2	4251.4	4313.2	4434.0	4436.7
17.5°	3797.5	3827.1	3907.6	4033.9	4154.7	4272.9	4366.9	4444.8	4498.5	4546.8	4536.1
20°	3969.4	3990.9	4074.1	4200.4	4380.3	4495.8	4528.0	4541.4	4576.4	4673.0	4643.5
22.5°	4135.9	4144.0	4221.9	4415.2	4541.4	4694.5	4729.4	4721.4	4734.8	4759.0	4802.0
25°	4307.8	4321.2	4428.6	4592.5	4769.7	4952.3	4981.9	4920.1	4901.3	4928.2	4930.9
27.5°	4528.0	4530.7	4667.7	4810.0	5011.4	5183.3	5229.0	5180.6	5092.0	5113.5	5148.4
30°	4807.3	4788.5	4925.5	5129.6	5341.8	5438.5	5516.3	5492.2	5395.5	5376.7	5347.1
32.5°	5129.6	5135.0	5258.5	5481.4	5621.1	5782.2	5865.5	5825.2	5763.4	5731.2	5750.0
35°	5583.5	5607.6	5690.9	5876.2	6101.8	6182.4	6314.0	6228.0	6066.9	6107.2	6142.1
37.5°	5956.8	6026.6	6182.4	6402.6	6536.9	6684.6	6732.9	6617.5	6499.3	6450.9	6566.4
40°	6528.8	6507.3	6679.2	6899.4	7098.2	7245.9	7184.1	7068.6	6775.9	6778.6	6810.8
42.5°	7020.3	7031.0	7162.6	7425.8	7697.1	7788.4	7592.3	7310.4	6985.4	6950.5	7020.3
45°	7433.9	7476.9	7552.1	7903.9	8169.8	8269.1	7906.6	7573.5	7138.5	6993.4	7108.9
47.5°	7581.6	7651.4	7815.3	8137.5	8400.7	8481.3	8191.3	7713.2	7280.8	7044.5	7106.2
50°	7603.1	7578.9	7847.5	8142.9	8373.9	8548.4	8293.3	7815.3	7245.9	7122.4	7103.6
52.5°	7014.9	7133.1	7420.5	7826.0	8293.3	8572.6	8384.6	7871.7	7294.2	7154.6	7108.9
55°	5677.5	5537.8	6061.5	6743.7	7603.1	8379.2	8352.4	7901.2	7323.8	7208.3	7146.5
57.5°	3169.1	3209.4	3504.8	4246.0	5355.2	6644.3	7425.8	7589.7	7310.4	7243.2	7275.4
60°	1466.4	1479.8	1606.0	1952.5	2640.0	3768.0	4796.6	5841.3	6322.0	6418.7	6418.7
62.5°	1093.1	1087.7	1119.9	1181.7	1326.7	1732.2	2312.3	3142.2	3802.9	4264.8	4385.7
65°	988.3	985.6	1001.7	1023.2	1034.0	1090.4	1219.3	1474.4	1689.3	1812.8	1791.3
67.5°	864.8	862.1	867.5	880.9	899.7	929.2	961.5	1015.2	1090.4	1085.0	1071.6
70°	698.3	698.3	706.3	717.1	738.6	773.5	811.1	848.7	913.1	926.6	923.9
72.5°	515.6	507.6	523.7	545.2	566.7	609.6	649.9	684.8	730.5	743.9	738.6
75°	327.7	333.0	343.8	367.9	405.5	435.1	478.0	507.6	537.1	547.9	550.6
77.5°	182.6	188.0	206.8	236.3	273.9	306.2	343.8	367.9	386.7	389.4	392.1
80°	110.1	112.8	131.6	158.5	190.7	225.6	255.1	279.3	295.4	287.4	284.7
82.5°	67.1	69.8	85.9	110.1	137.0	163.8	196.1	217.5	233.7	222.9	212.2
85°	34.9	37.6	51.0	67.1	88.6	102.1	102.1	91.3	88.6	83.3	80.6
87.5°	10.7	10.7	13.4	16.1	13.4	16.1	18.8	21.5	21.5	24.2	21.5
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)