

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: P530902

Luminaire Tested: **GALN-SA6A-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19410 lumens
Efficiency: N/A
Efficacy: 106.6 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

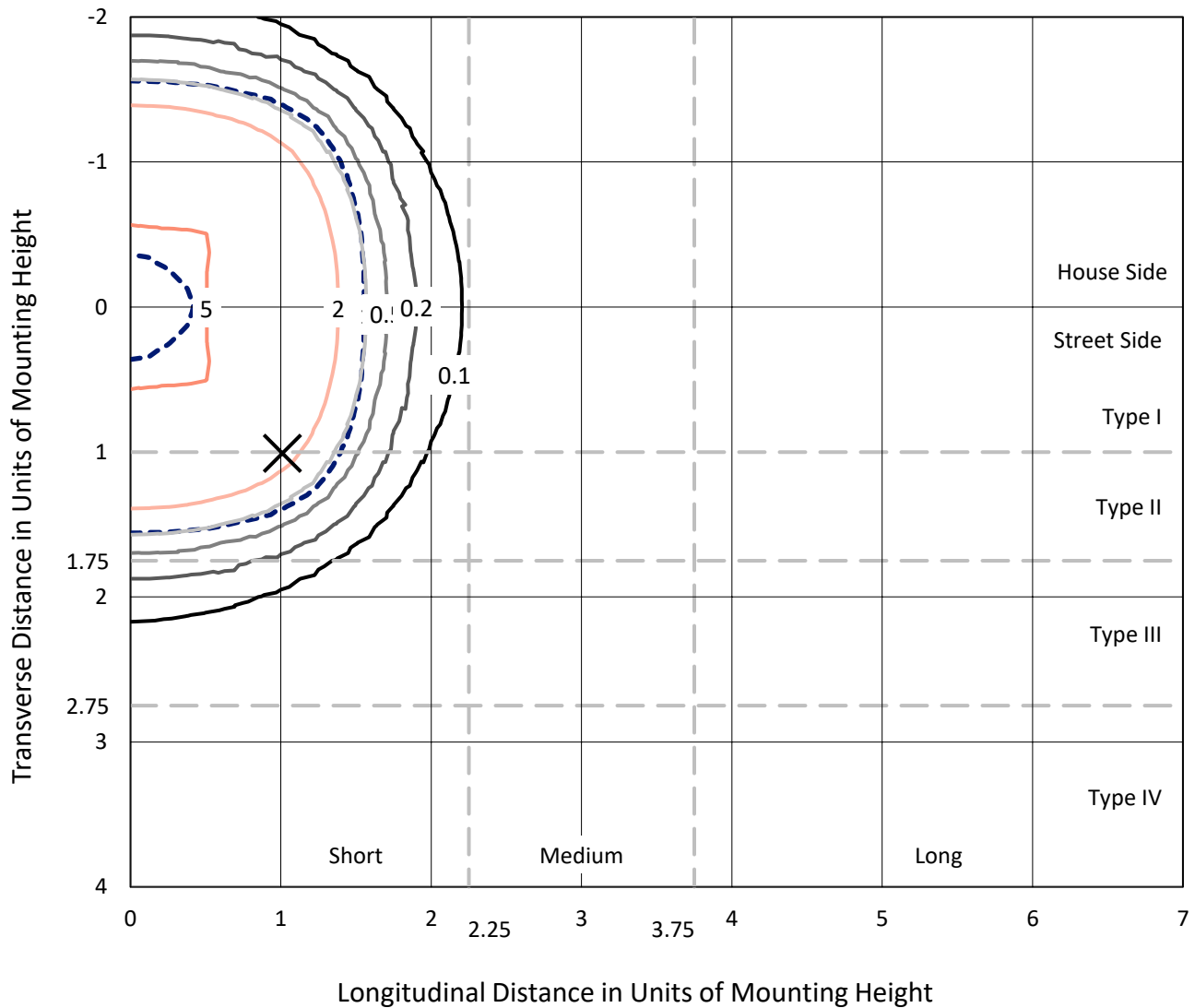


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Iso-Footcandle Lines of Horizontal Illumination

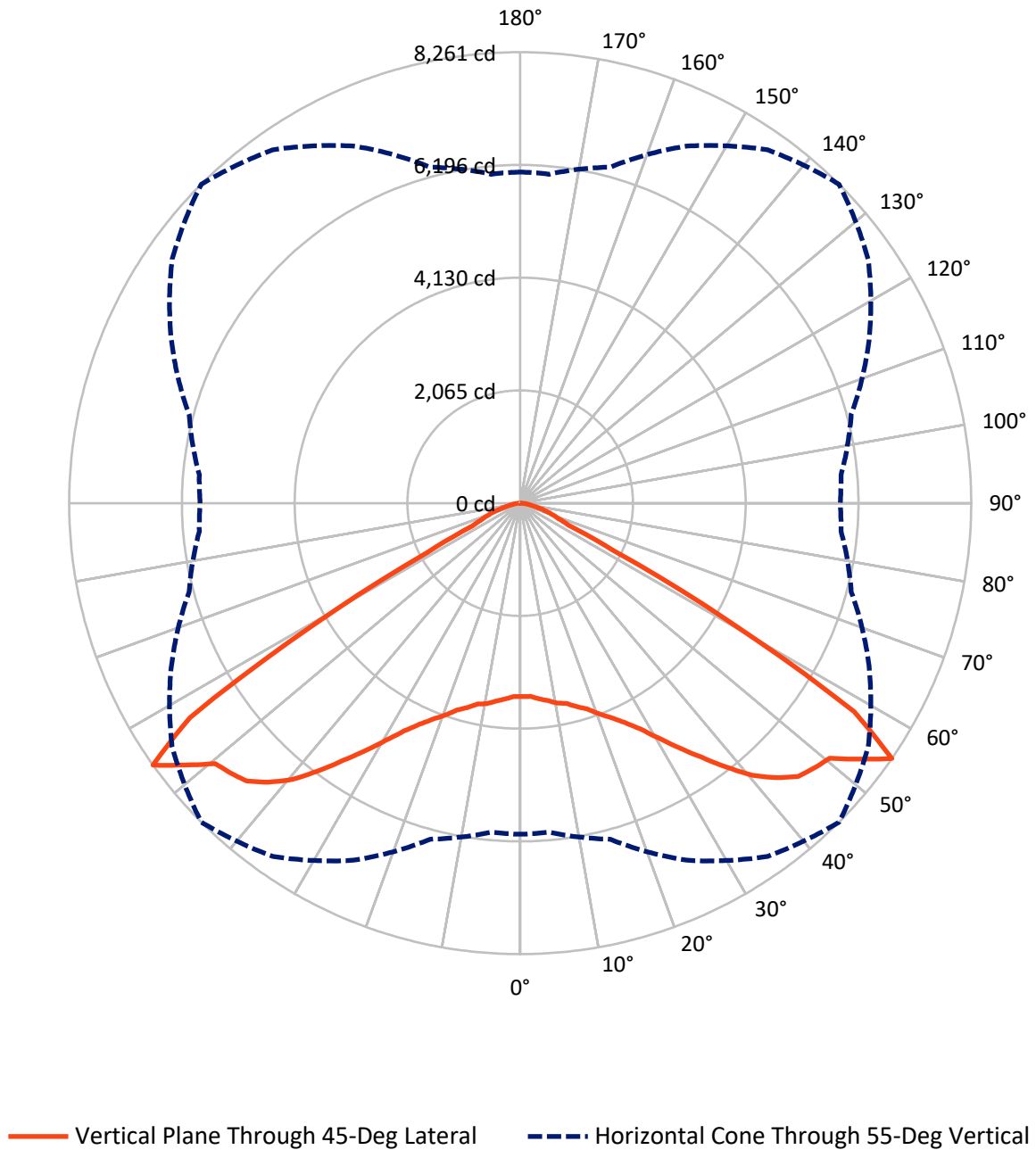
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9705.0	0.0	9705.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9705.0	0.0	9705.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19410.0	0.0	19410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.2	1.8
10°-20°	1097.0	5.7
20°-30°	2045.5	10.5
30°-40°	3424.9	17.6
40°-50°	5329.4	27.5
50°-60°	5533.5	28.5
60°-70°	1173.5	6.0
70°-80°	386.5	2.0
80°-90°	73.6	0.4
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°	19410.0	100.0
0°-180°	19410.0	100.0

Coefficient of Utilization



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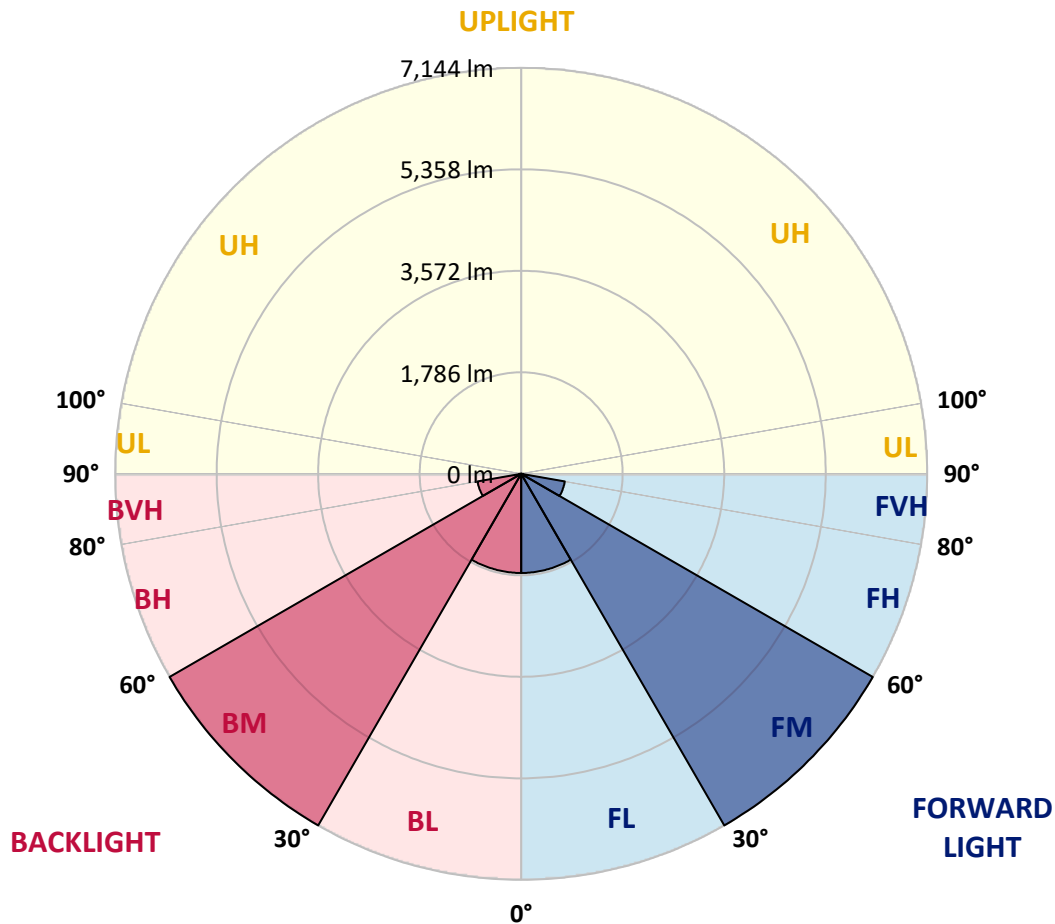
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1744.4	9.0			
FM	(30°-60°)	7143.9	36.8			
FH	(60°-80°)	780.0	4.0			G1/1800
FVH	(80°-90°)	36.8	0.2			G1/100
BL	(0°-30°)	1744.4	9.0	B3/2500		
BM	(30°-60°)	7143.9	36.8	B4/8500		
BH	(60°-80°)	780.0	4.0	B2/1000		G1/1800
BVH	(80°-90°)	36.8	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°	3544.0	3544.0	3544.0	3544.0	3544.0	3544.0	3544.0	3544.0	3544.0	3544.0	3544.0
2.5°	3586.2	3569.8	3541.6	3562.7	3579.2	3544.0	3558.0	3565.1	3560.4	3541.6	3548.7
5°	3637.8	3628.4	3605.0	3621.4	3600.3	3600.3	3586.2	3567.4	3595.6	3590.9	3602.6
7.5°	3637.8	3626.1	3673.0	3642.5	3651.9	3651.9	3628.4	3609.6	3623.7	3602.6	3590.9
10°	3710.5	3726.9	3705.8	3712.8	3708.2	3724.6	3689.4	3677.7	3665.9	3658.9	3644.8
12.5°	3797.3	3785.6	3792.6	3787.9	3804.3	3762.1	3741.0	3715.2	3736.3	3705.8	3726.9
15°	3867.6	3860.6	3867.6	3886.4	3870.0	3867.6	3830.1	3804.3	3771.5	3778.5	3745.7
17.5°	3963.8	3956.8	3959.1	3975.5	3973.2	3961.5	3933.3	3884.1	3872.3	3853.6	3832.5
20°	4106.9	4095.2	4090.5	4097.5	4109.2	4118.6	4062.3	4043.6	4003.7	3973.2	3938.0
22.5°	4228.8	4224.2	4242.9	4212.4	4238.2	4266.4	4212.4	4203.0	4104.5	4088.1	4050.6
25°	4397.7	4390.7	4379.0	4423.5	4454.0	4451.7	4400.1	4348.5	4273.4	4254.6	4254.6
27.5°	4576.0	4536.1	4597.1	4608.8	4662.8	4679.2	4634.6	4559.6	4489.2	4449.3	4458.7
30°	4798.8	4761.3	4775.3	4859.8	4930.1	4991.1	4878.5	4768.3	4669.8	4599.4	4587.7
32.5°	5021.6	4984.1	5026.3	5108.4	5249.1	5340.6	5230.4	5038.0	4923.1	4819.9	4841.0
35°	5202.2	5230.4	5298.4	5422.7	5568.1	5715.9	5540.0	5392.2	5228.0	5113.1	5129.5
37.5°	5493.0	5579.8	5633.8	5776.8	5983.2	6135.7	5952.8	5760.4	5584.5	5434.4	5382.8
40°	5873.0	5931.6	5992.6	6161.5	6405.4	6557.9	6384.3	6133.4	5959.8	5805.0	5798.0
42.5°	6290.5	6346.8	6410.1	6616.5	6761.9	6876.9	6717.4	6583.7	6391.4	6269.4	6262.4
45°	6776.0	6736.1	6806.5	6942.5	7064.5	7139.6	7036.4	6970.7	6832.3	6719.7	6708.0
47.5°	7099.7	7064.5	7191.2	7313.1	7331.9	7249.8	7270.9	7331.9	7186.5	7001.2	7059.8
50°	7287.3	7287.3	7371.8	7484.3	7449.2	7343.6	7510.1	7514.8	7369.4	7205.2	7205.2
52.5°	6961.3	7034.0	7273.2	7641.5	7758.8	7789.2	7751.7	7592.2	7212.3	6876.9	6860.4
55°	6065.3	6048.9	6372.6	7217.0	7899.5	8260.7	7782.2	7048.1	6276.4	5898.8	5861.3
57.5°	3945.0	3963.8	4447.0	5307.8	6539.1	7212.3	6405.4	5373.4	4447.0	3926.3	3975.5
60°	1775.5	1838.8	2132.0	2774.7	3832.5	4381.3	3841.8	2915.4	2237.6	1942.0	1967.8
62.5°	1020.3	1032.0	1043.7	1238.4	1632.4	1930.3	1695.8	1308.8	1154.0	1102.4	1102.4
65°	860.8	853.7	856.1	872.5	914.7	975.7	949.9	914.7	919.4	914.7	907.7
67.5°	731.8	741.2	734.1	745.9	748.2	757.6	774.0	788.1	790.4	795.1	790.4
70°	600.4	602.8	607.5	616.9	619.2	626.2	649.7	661.4	668.5	668.5	677.8
72.5°	459.7	457.4	462.1	471.4	483.2	485.5	506.6	523.0	532.4	520.7	523.0
75°	302.6	304.9	311.9	319.0	335.4	351.8	358.9	375.3	377.6	382.3	370.6
77.5°	180.6	185.3	192.3	206.4	220.5	234.5	251.0	262.7	267.4	262.7	248.6
80°	117.3	117.3	126.7	138.4	154.8	166.5	175.9	185.3	192.3	185.3	180.6
82.5°	72.7	72.7	84.4	98.5	110.2	117.3	131.3	143.1	150.1	145.4	138.4
85°	37.5	39.9	49.3	61.0	70.4	75.1	72.7	65.7	58.6	56.3	51.6
87.5°	11.7	11.7	14.1	14.1	11.7	11.7	14.1	11.7	14.1	14.1	14.1
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)