

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: P528568

Luminaire Tested: **GALN-SA3C-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528568
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-SA3C-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA 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: 14614 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 160
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



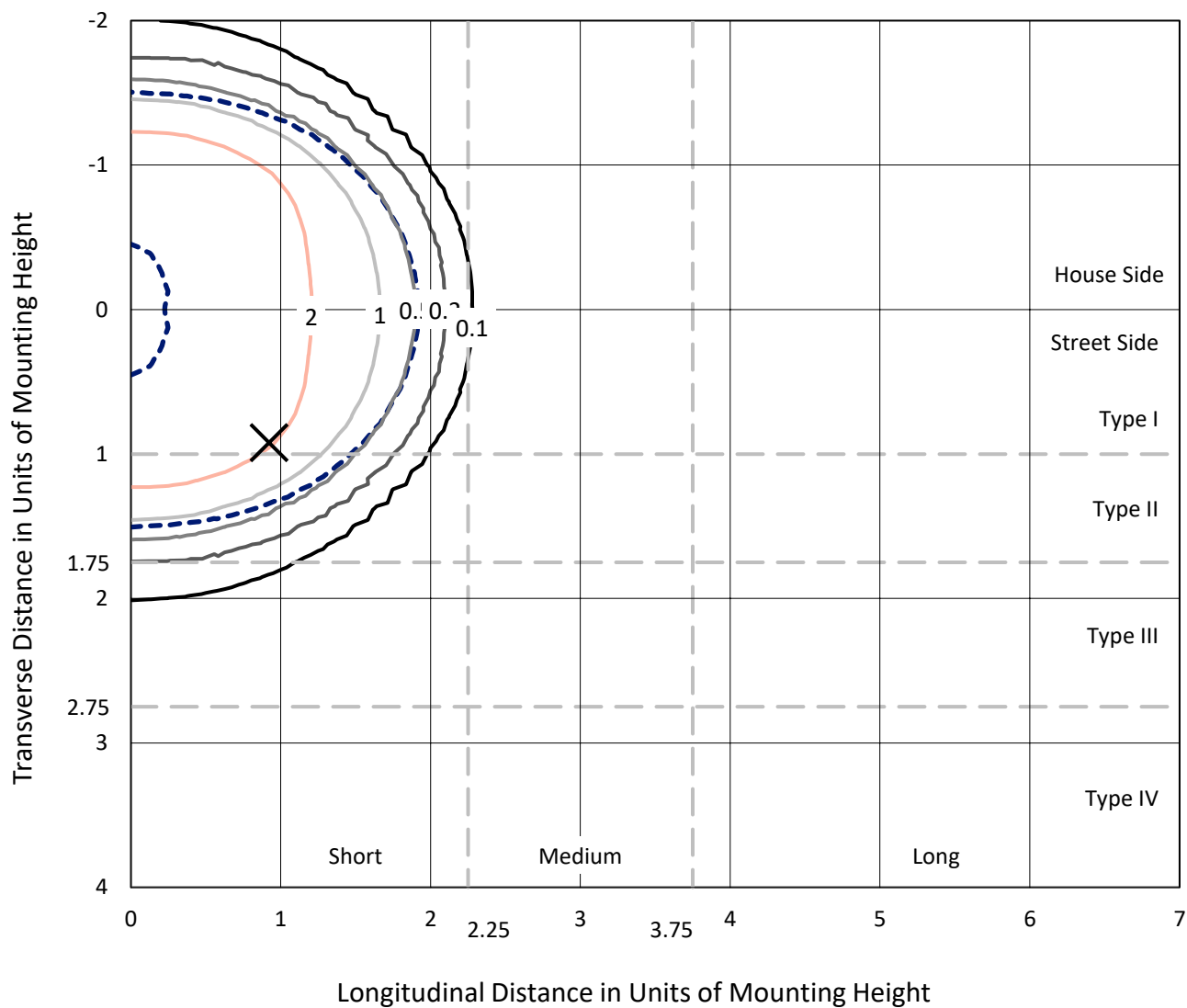
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



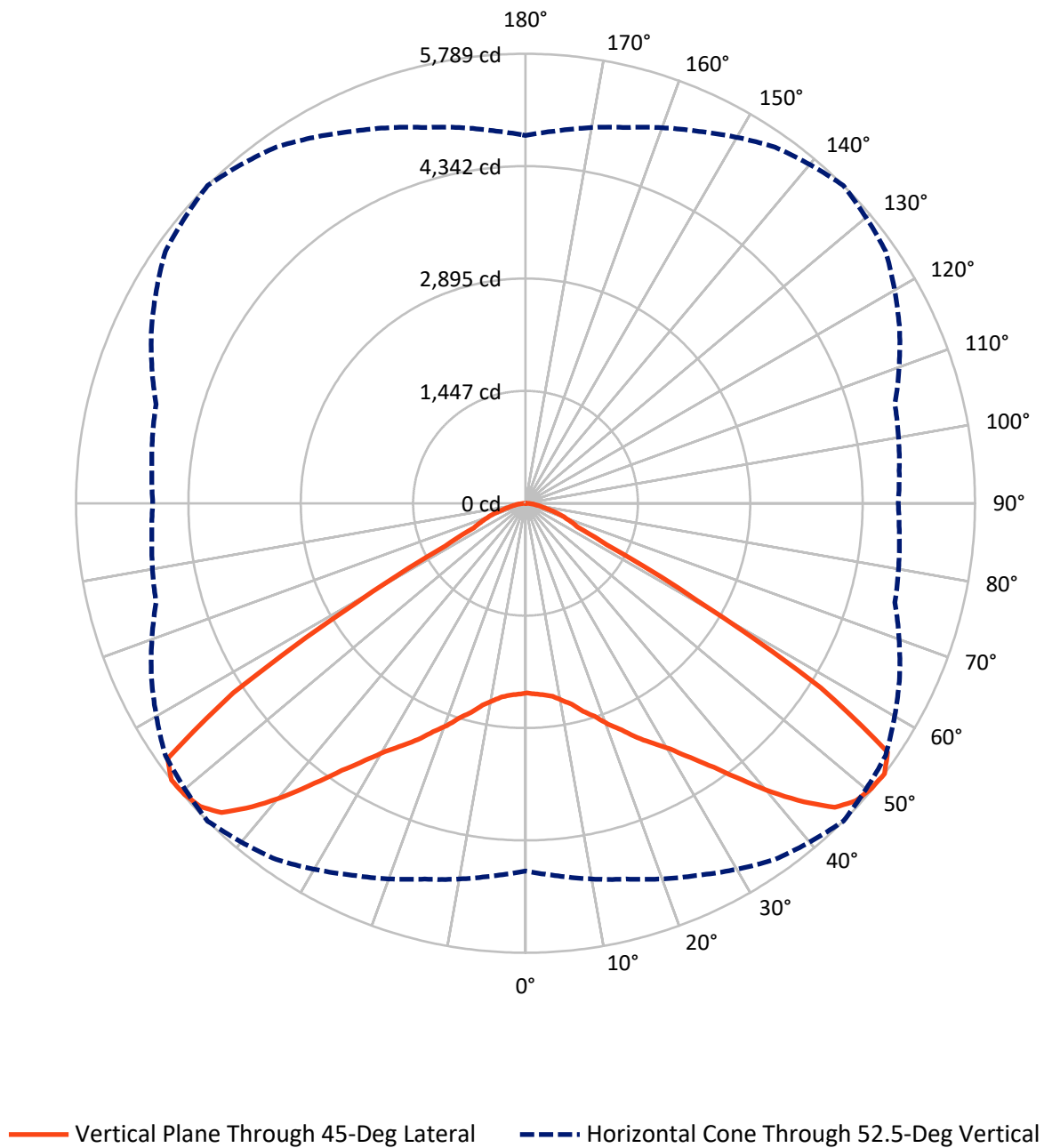
Based on 25 foot mounting height. Maximum calculated value = 4.3 fc

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	7307.0	0.0	7307.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7307.0	0.0	7307.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14614.0	0.0	14614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	1.6
10°-20°	788.7	5.4
20°-30°	1501.5	10.3
30°-40°	2578.2	17.6
40°-50°	3962.7	27.1
50°-60°	4024.1	27.5
60°-70°	1121.5	7.7
70°-80°	330.8	2.3
80°-90°	66.6	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°	14614.0	100.0
0°-180°	14614.0	100.0

Coefficient of Utilization



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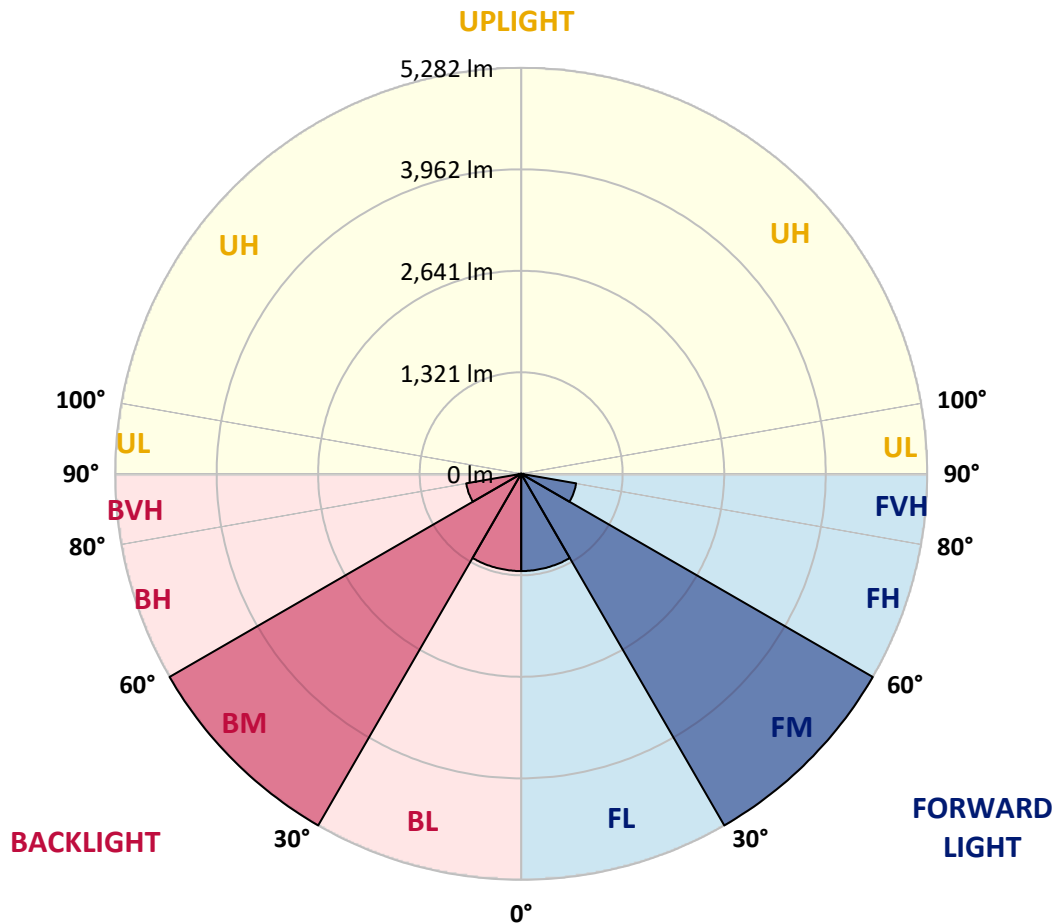
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1265.1	8.7			
FM	(30°-60°)	5282.5	36.1			
FH	(60°-80°)	726.1	5.0			G1/1800
FVH	(80°-90°)	33.3	0.2			G1/100
BL	(0°-30°)	1265.1	8.7	B3/2500		
BM	(30°-60°)	5282.5	36.1	B4/8500		
BH	(60°-80°)	726.1	5.0	B2/1000		G1/1800
BVH	(80°-90°)	33.3	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°	2442.9	2442.9	2442.9	2442.9	2442.9	2442.9	2442.9	2442.9	2442.9	2442.9	2442.9
2.5°	2448.4	2423.0	2432.0	2437.5	2461.1	2459.2	2453.8	2461.1	2468.3	2470.1	2466.5
5°	2446.5	2428.4	2435.7	2441.1	2464.7	2477.4	2473.8	2504.6	2526.3	2520.9	2548.1
7.5°	2432.0	2442.9	2433.9	2461.1	2481.0	2511.8	2544.5	2573.5	2600.7	2631.5	2637.0
10°	2464.7	2464.7	2481.0	2502.8	2555.4	2578.9	2626.1	2667.8	2720.4	2756.7	2742.2
12.5°	2499.1	2504.6	2504.6	2560.8	2604.3	2656.9	2700.5	2756.7	2831.0	2874.6	2896.3
15°	2533.6	2537.2	2555.4	2631.5	2696.8	2780.3	2820.2	2870.9	2912.6	2994.3	2996.1
17.5°	2564.4	2584.4	2638.8	2724.0	2805.6	2885.4	2948.9	3001.5	3037.8	3070.4	3063.2
20°	2680.5	2695.0	2751.2	2836.5	2958.0	3036.0	3057.7	3066.8	3090.4	3155.7	3135.7
22.5°	2792.9	2798.4	2851.0	2981.6	3066.8	3170.2	3193.8	3188.3	3197.4	3213.7	3242.7
25°	2909.0	2918.1	2990.6	3101.3	3221.0	3344.3	3364.2	3322.5	3309.8	3328.0	3329.8
27.5°	3057.7	3059.5	3152.0	3248.2	3384.2	3500.3	3531.1	3498.4	3438.6	3453.1	3476.7
30°	3246.3	3233.7	3326.1	3464.0	3607.3	3672.5	3725.1	3708.8	3643.5	3630.8	3610.9
32.5°	3464.0	3467.6	3551.0	3701.6	3795.9	3904.7	3960.9	3933.7	3892.0	3870.2	3882.9
35°	3770.5	3786.8	3843.0	3968.2	4120.5	4174.9	4263.8	4205.7	4096.9	4124.1	4147.7
37.5°	4022.6	4069.7	4174.9	4323.6	4414.3	4514.1	4546.7	4468.7	4388.9	4356.3	4434.3
40°	4408.9	4394.4	4510.4	4659.1	4793.4	4893.1	4851.4	4773.4	4575.7	4577.5	4599.3
42.5°	4740.8	4748.0	4836.9	5014.6	5197.8	5259.4	5127.1	4936.6	4717.2	4693.6	4740.8
45°	5020.1	5049.1	5099.9	5337.4	5517.0	5584.1	5339.2	5114.4	4820.6	4722.6	4800.6
47.5°	5119.8	5167.0	5277.6	5495.2	5672.9	5727.4	5531.5	5208.7	4916.7	4757.1	4798.8
50°	5134.3	5118.0	5299.3	5498.8	5654.8	5772.7	5600.4	5277.6	4893.1	4809.7	4797.0
52.5°	4737.1	4816.9	5011.0	5284.8	5600.4	5789.0	5662.1	5315.7	4925.7	4831.4	4800.6
55°	3834.0	3739.6	4093.3	4554.0	5134.3	5658.4	5640.3	5335.6	4945.7	4867.7	4826.0
57.5°	2140.1	2167.3	2366.8	2867.3	3616.3	4486.9	5014.6	5125.2	4936.6	4891.3	4913.0
60°	990.2	999.3	1084.5	1318.5	1782.8	2544.5	3239.1	3944.6	4269.2	4334.5	4334.5
62.5°	738.1	734.5	756.3	798.0	895.9	1169.8	1561.5	2121.9	2568.1	2880.0	2961.6
65°	667.4	665.6	676.5	691.0	698.2	736.3	823.4	995.7	1140.8	1224.2	1209.7
67.5°	584.0	582.2	585.8	594.9	607.6	627.5	649.3	685.5	736.3	732.7	723.6
70°	471.5	471.5	477.0	484.2	498.7	522.3	547.7	573.1	616.6	625.7	623.9
72.5°	348.2	342.8	353.7	368.2	382.7	411.7	438.9	462.5	493.3	502.4	498.7
75°	221.3	224.9	232.1	248.5	273.9	293.8	322.8	342.8	362.7	370.0	371.8
77.5°	123.3	127.0	139.6	159.6	185.0	206.8	232.1	248.5	261.2	263.0	264.8
80°	74.4	76.2	88.9	107.0	128.8	152.3	172.3	188.6	199.5	194.1	192.2
82.5°	45.3	47.2	58.0	74.4	92.5	110.6	132.4	146.9	157.8	150.5	143.3
85°	23.6	25.4	34.5	45.3	59.8	68.9	68.9	61.7	59.8	56.2	54.4
87.5°	7.3	7.3	9.1	10.9	9.1	10.9	12.7	14.5	14.5	16.3	14.5
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)