

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: P527496

Luminaire Tested: **GALN-SA2C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527496
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-SA2C-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1050mA 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: 11863 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

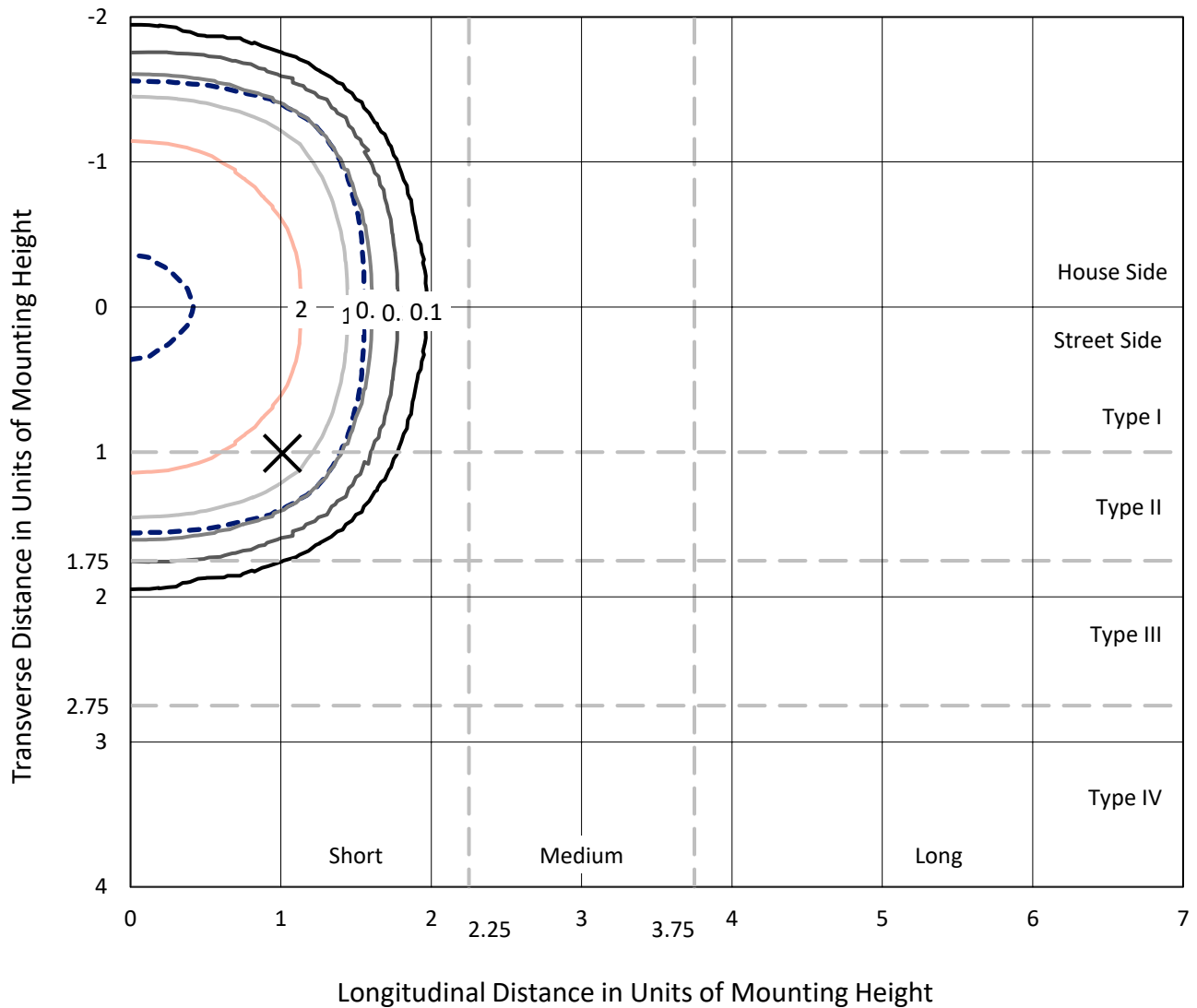
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

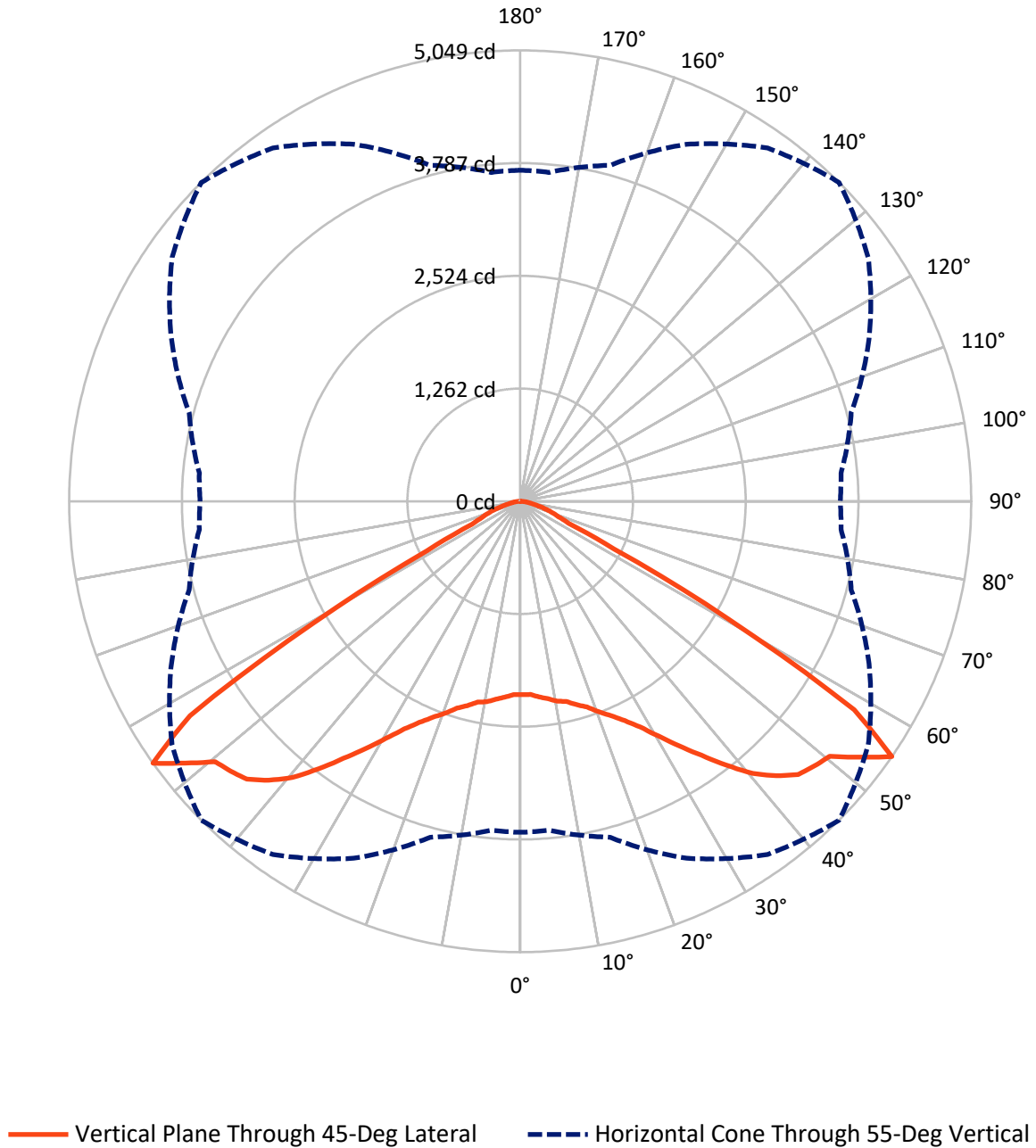
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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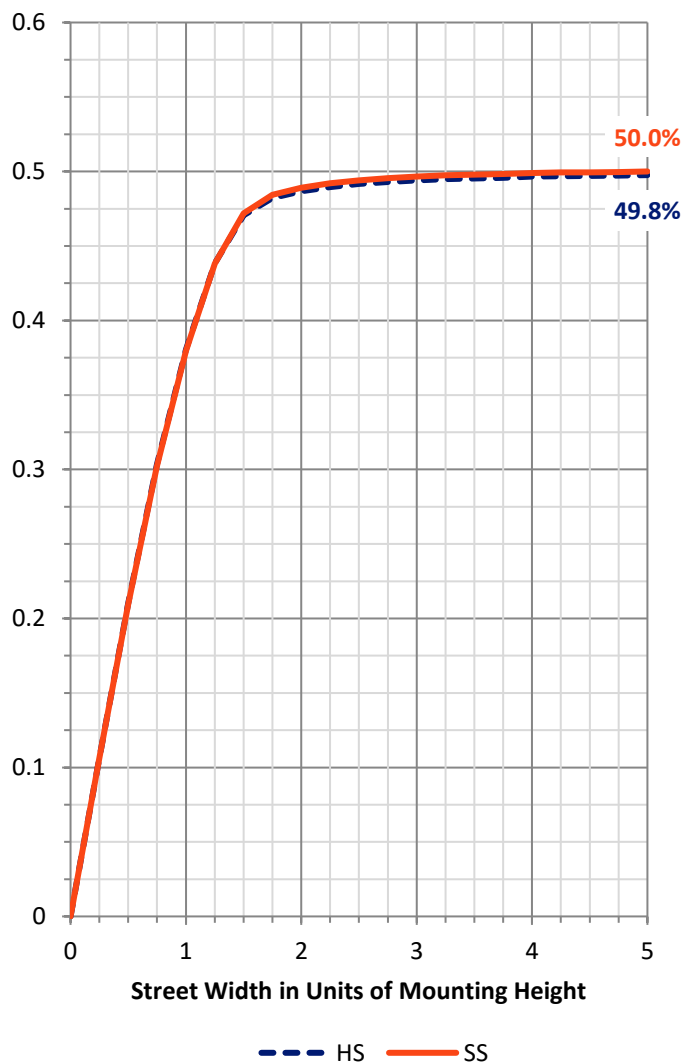
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5931.5	0.0	5931.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5931.5	0.0	5931.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11863.0	0.0	11863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.6	1.8
10°-20°	670.5	5.7
20°-30°	1250.2	10.5
30°-40°	2093.2	17.6
40°-50°	3257.2	27.5
50°-60°	3382.0	28.5
60°-70°	717.2	6.0
70°-80°	236.2	2.0
80°-90°	45.0	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°	11863.0	100.0
0°-180°	11863.0	100.0

Coefficient of Utilization

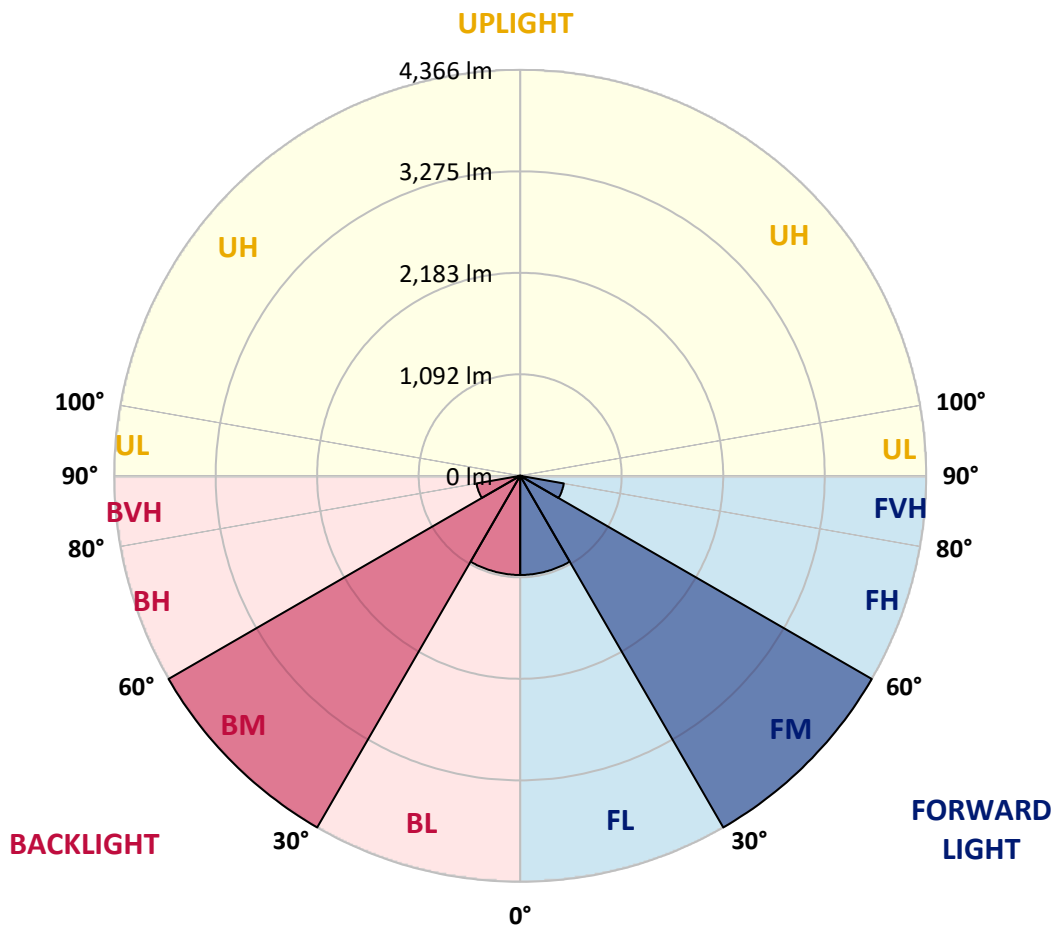


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1066.1	9.0			
FM (30°-60°)	4366.2	36.8			
FH (60°-80°)	476.7	4.0			G0/660
FVH (80°-90°)	22.5	0.2			G1/100
BL (0°-30°)	1066.1	9.0	B3/2500		
BM (30°-60°)	4366.2	36.8	B3/5000		
BH (60°-80°)	476.7	4.0	B1/500		G0/660
BVH (80°-90°)	22.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2166.0	2166.0	2166.0	2166.0	2166.0	2166.0	2166.0	2166.0	2166.0	2166.0	2166.0
2.5°	2191.8	2181.8	2164.6	2177.5	2187.5	2166.0	2174.6	2178.9	2176.0	2164.6	2168.9
5°	2223.3	2217.6	2203.3	2213.3	2200.4	2200.4	2191.8	2180.3	2197.5	2194.7	2201.8
7.5°	2223.3	2216.2	2244.8	2226.2	2231.9	2231.9	2217.6	2206.1	2214.7	2201.8	2194.7
10°	2267.8	2277.8	2264.9	2269.2	2266.4	2276.4	2254.9	2247.7	2240.5	2236.2	2227.6
12.5°	2320.8	2313.7	2318.0	2315.1	2325.1	2299.3	2286.4	2270.7	2283.6	2264.9	2277.8
15°	2363.8	2359.5	2363.8	2375.3	2365.3	2363.8	2340.9	2325.1	2305.1	2309.4	2289.3
17.5°	2422.6	2418.3	2419.7	2429.8	2428.3	2421.2	2404.0	2373.9	2366.7	2355.2	2342.3
20°	2510.0	2502.9	2500.0	2504.3	2511.5	2517.2	2482.8	2471.3	2447.0	2428.3	2406.8
22.5°	2584.6	2581.7	2593.2	2574.6	2590.3	2607.5	2574.6	2568.8	2508.6	2498.6	2475.6
25°	2687.8	2683.5	2676.3	2703.6	2722.2	2720.8	2689.2	2657.7	2611.8	2600.4	2600.4
27.5°	2796.7	2772.4	2809.6	2816.8	2849.8	2859.8	2832.6	2786.7	2743.7	2719.3	2725.1
30°	2932.9	2910.0	2918.6	2970.2	3013.2	3050.5	2981.7	2914.3	2854.1	2811.1	2803.9
32.5°	3069.1	3046.2	3072.0	3122.1	3208.2	3264.1	3196.7	3079.1	3008.9	2945.8	2958.7
35°	3179.5	3196.7	3238.3	3314.2	3403.1	3493.4	3385.9	3295.6	3195.3	3125.0	3135.0
37.5°	3357.2	3410.3	3443.2	3530.7	3656.8	3750.0	3638.2	3520.7	3413.1	3321.4	3289.9
40°	3589.5	3625.3	3662.6	3765.8	3914.9	4008.0	3902.0	3748.6	3642.5	3547.9	3543.6
42.5°	3844.6	3879.0	3917.7	4043.9	4132.8	4203.0	4105.5	4023.8	3906.3	3831.7	3827.4
45°	4141.4	4117.0	4160.0	4243.1	4317.7	4363.6	4300.5	4260.3	4175.8	4107.0	4099.8
47.5°	4339.2	4317.7	4395.1	4469.6	4481.1	4430.9	4443.8	4481.1	4392.2	4279.0	4314.8
50°	4453.9	4453.9	4505.5	4574.3	4552.8	4488.3	4590.0	4592.9	4504.0	4403.7	4403.7
52.5°	4254.6	4299.0	4445.3	4670.3	4742.0	4760.6	4737.7	4640.2	4408.0	4203.0	4193.0
55°	3707.0	3697.0	3894.8	4410.9	4828.0	5048.8	4756.3	4307.6	3836.0	3605.2	3582.3
57.5°	2411.1	2422.6	2717.9	3244.0	3996.6	4408.0	3914.9	3284.1	2717.9	2399.7	2429.8
60°	1085.2	1123.9	1303.0	1695.8	2342.3	2677.8	2348.1	1781.8	1367.6	1186.9	1202.7
62.5°	623.6	630.7	637.9	756.9	997.7	1179.8	1036.4	799.9	705.3	673.7	673.7
65°	526.1	521.8	523.2	533.3	559.1	596.3	580.6	559.1	561.9	559.1	554.8
67.5°	447.2	453.0	448.7	455.9	457.3	463.0	473.1	481.7	483.1	486.0	483.1
70°	367.0	368.4	371.3	377.0	378.4	382.7	397.1	404.2	408.5	408.5	414.3
72.5°	281.0	279.5	282.4	288.1	295.3	296.7	309.6	319.7	325.4	318.2	319.7
75°	184.9	186.4	190.7	195.0	205.0	215.0	219.3	229.4	230.8	233.7	226.5
77.5°	110.4	113.2	117.5	126.1	134.7	143.3	153.4	160.6	163.4	160.6	152.0
80°	71.7	71.7	77.4	84.6	94.6	101.8	107.5	113.2	117.5	113.2	110.4
82.5°	44.4	44.4	51.6	60.2	67.4	71.7	80.3	87.4	91.7	88.9	84.6
85°	22.9	24.4	30.1	37.3	43.0	45.9	44.4	40.1	35.8	34.4	31.5
87.5°	7.2	7.2	8.6	8.6	7.2	7.2	8.6	7.2	8.6	8.6	8.6
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)