

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: P528178

Luminaire Tested: **GALN-SA3B-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528178
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-SA3B-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA 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: 13555 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

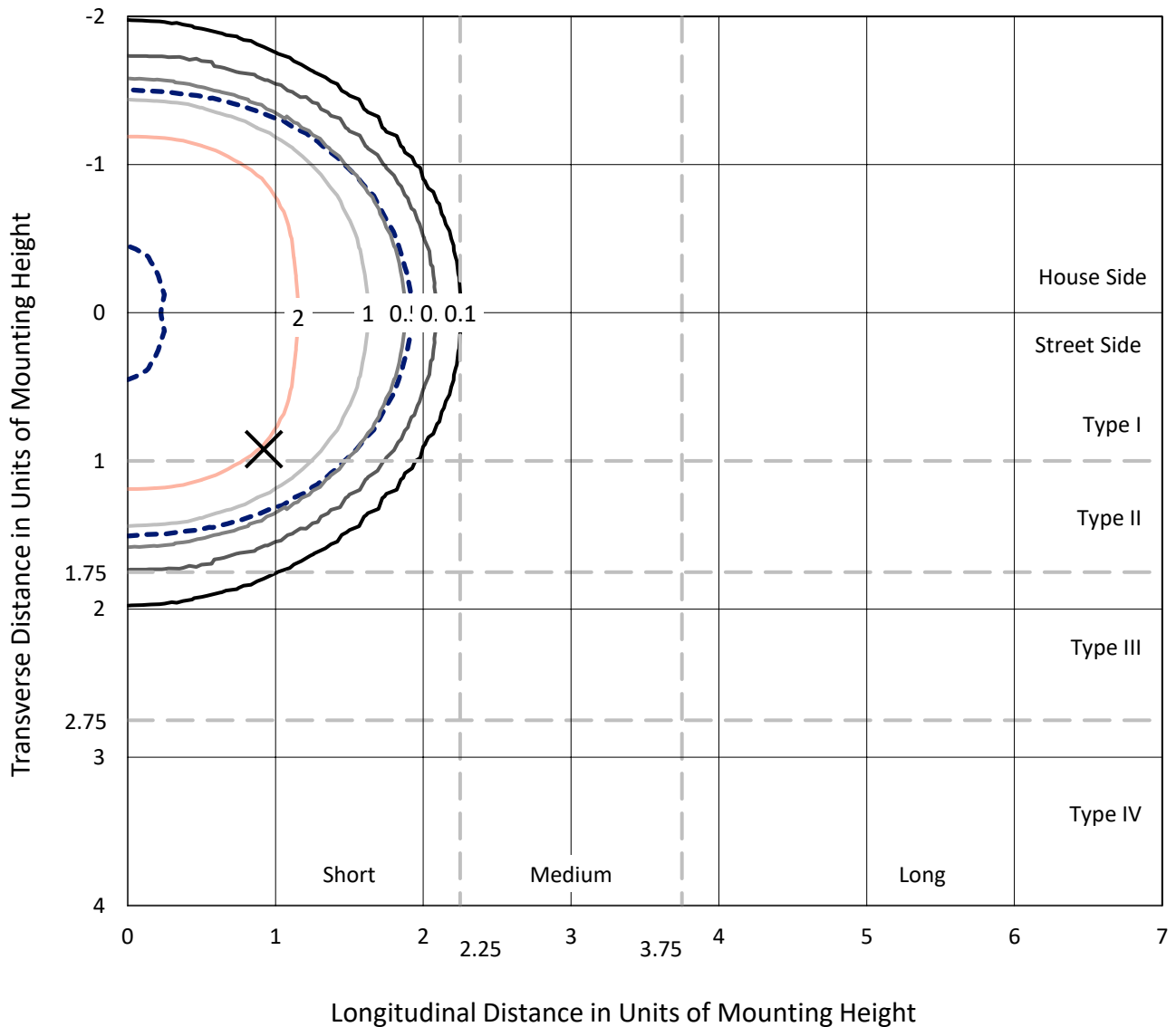
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

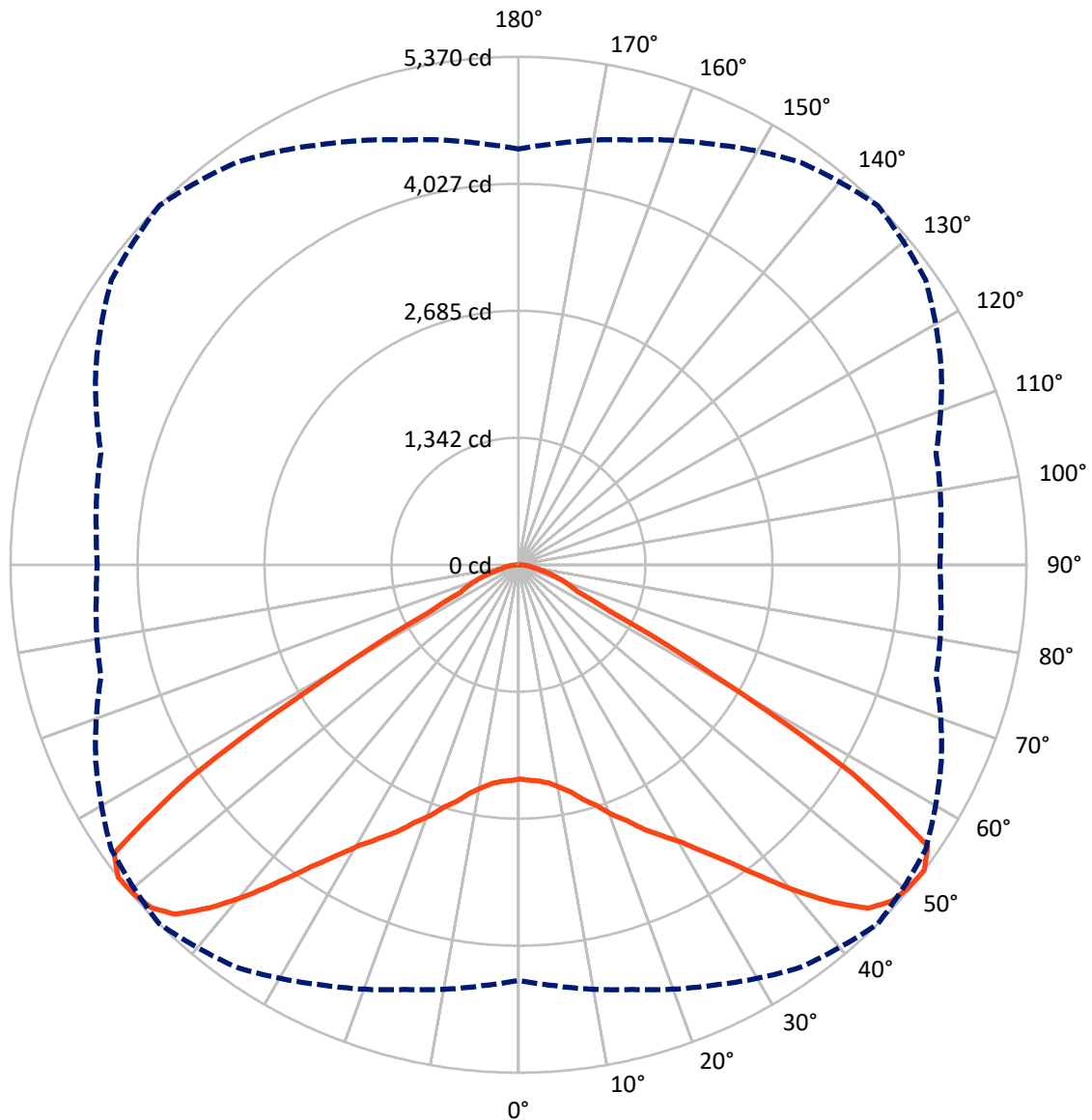
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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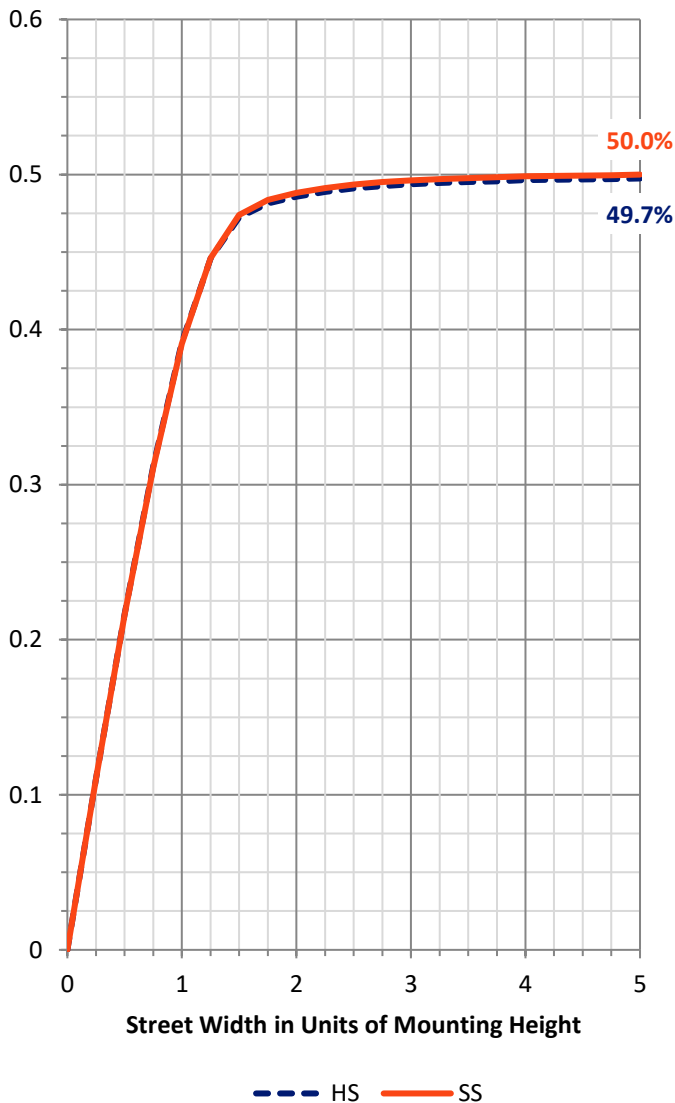
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6777.5	0.0	6777.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6777.5	0.0	6777.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13555.0	0.0	13555.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	1.6
10°-20°	731.5	5.4
20°-30°	1392.7	10.3
30°-40°	2391.3	17.6
40°-50°	3675.5	27.1
50°-60°	3732.5	27.5
60°-70°	1040.2	7.7
70°-80°	306.8	2.3
80°-90°	61.8	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°	13555.0	100.0
0°-180°	13555.0	100.0



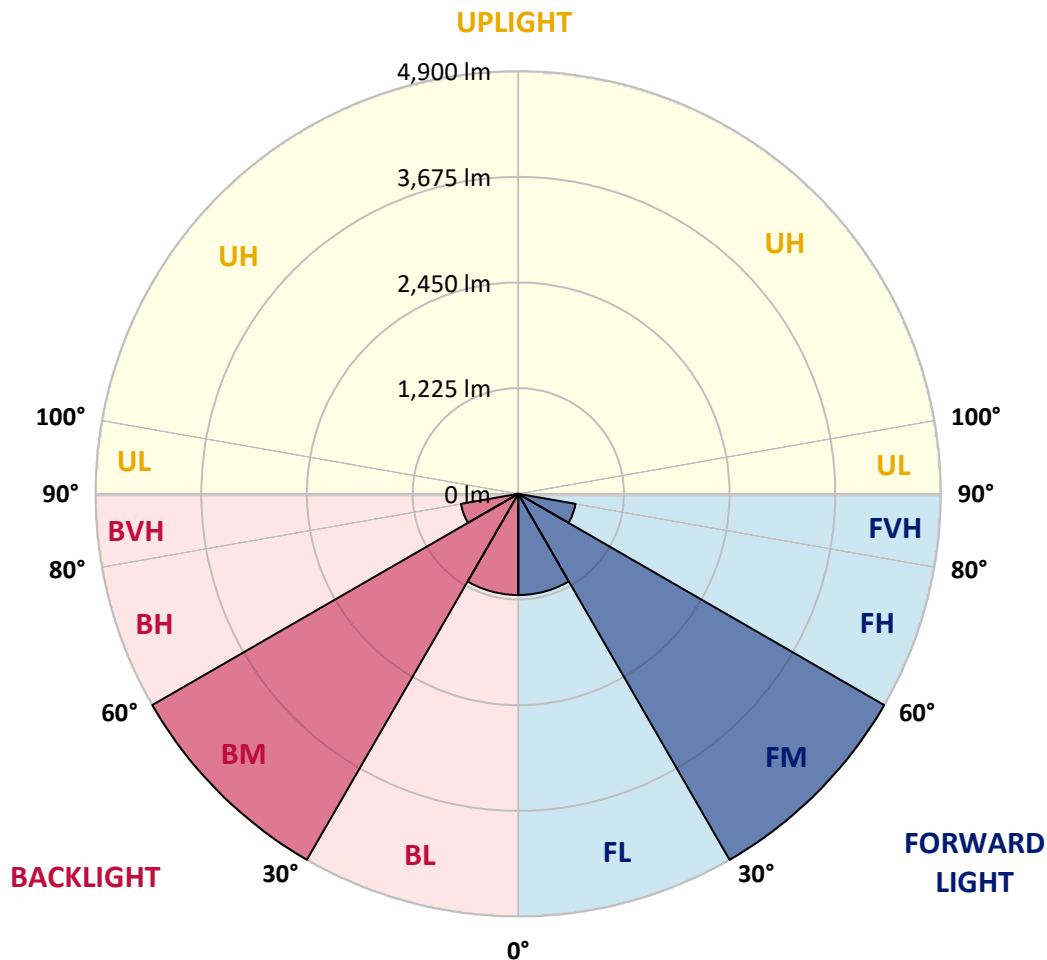
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.4	8.7			
FM (30°-60°)	4899.7	36.1			
FH (60°-80°)	673.5	5.0			G1/1800
FVH (80°-90°)	30.9	0.2			G1/100
BL (0°-30°)	1173.4	8.7	B3/2500		
BM (30°-60°)	4899.7	36.1	B3/5000		
BH (60°-80°)	673.5	5.0	B2/1000		G1/1800
BVH (80°-90°)	30.9	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°	2265.9	2265.9	2265.9	2265.9	2265.9	2265.9	2265.9	2265.9	2265.9	2265.9	2265.9
2.5°	2270.9	2247.4	2255.8	2260.9	2282.7	2281.0	2276.0	2282.7	2289.4	2291.1	2287.8
5°	2269.3	2252.4	2259.2	2264.2	2286.1	2297.9	2294.5	2323.1	2343.3	2338.2	2363.5
7.5°	2255.8	2265.9	2257.5	2282.7	2301.2	2329.8	2360.1	2387.0	2412.2	2440.8	2445.9
10°	2286.1	2286.1	2301.2	2321.4	2370.2	2392.1	2435.8	2474.5	2523.3	2556.9	2543.5
12.5°	2318.0	2323.1	2323.1	2375.2	2415.6	2464.4	2504.8	2556.9	2625.9	2666.3	2686.4
15°	2350.0	2353.4	2370.2	2440.8	2501.4	2578.8	2615.8	2662.9	2701.6	2777.3	2779.0
17.5°	2378.6	2397.1	2447.6	2526.6	2602.3	2676.3	2735.2	2784.0	2817.7	2847.9	2841.2
20°	2486.3	2499.7	2551.9	2630.9	2743.6	2816.0	2836.2	2844.6	2866.4	2927.0	2908.5
22.5°	2590.6	2595.6	2644.4	2765.5	2844.6	2940.5	2962.3	2957.3	2965.7	2980.8	3007.7
25°	2698.2	2706.6	2773.9	2876.5	2987.6	3101.9	3120.4	3081.8	3070.0	3086.8	3088.5
27.5°	2836.2	2837.8	2923.6	3012.8	3138.9	3246.6	3275.2	3244.9	3189.4	3202.9	3224.7
30°	3011.1	2999.3	3085.1	3213.0	3345.9	3406.4	3455.2	3440.1	3379.5	3367.7	3349.2
32.5°	3213.0	3216.3	3293.7	3433.3	3520.8	3621.7	3673.9	3648.6	3610.0	3589.8	3601.5
35°	3497.3	3512.4	3564.5	3680.6	3821.9	3872.4	3954.8	3901.0	3800.0	3825.3	3847.1
37.5°	3731.1	3774.8	3872.4	4010.3	4094.4	4186.9	4217.2	4144.9	4070.9	4040.6	4112.9
40°	4089.4	4075.9	4183.6	4321.5	4446.0	4538.5	4499.8	4427.5	4244.1	4245.8	4266.0
42.5°	4397.2	4403.9	4486.4	4651.2	4821.1	4878.3	4755.5	4578.9	4375.4	4353.5	4397.2
45°	4656.3	4683.2	4730.3	4950.7	5117.2	5179.4	4952.3	4743.7	4471.2	4380.4	4452.7
47.5°	4748.8	4792.5	4895.1	5097.0	5261.9	5312.3	5130.6	4831.2	4560.4	4412.4	4451.0
50°	4762.3	4747.1	4915.3	5100.4	5245.0	5354.4	5194.6	4895.1	4538.5	4461.1	4449.4
52.5°	4393.9	4467.9	4647.9	4901.9	5194.6	5369.5	5251.8	4930.5	4568.8	4481.3	4452.7
55°	3556.1	3468.7	3796.7	4224.0	4762.3	5248.4	5231.6	4949.0	4587.3	4515.0	4476.3
57.5°	1985.0	2010.2	2195.2	2659.5	3354.3	4161.7	4651.2	4753.8	4578.9	4536.8	4557.0
60°	918.5	926.9	1005.9	1222.9	1653.6	2360.1	3004.4	3658.7	3959.9	4020.4	4020.4
62.5°	684.6	681.3	701.5	740.2	831.0	1085.0	1448.4	1968.2	2382.0	2671.3	2747.0
65°	619.0	617.4	627.5	640.9	647.6	683.0	763.7	923.5	1058.1	1135.5	1122.0
67.5°	541.7	540.0	543.3	551.8	563.5	582.0	602.2	635.9	683.0	679.6	671.2
70°	437.4	437.4	442.4	449.1	462.6	484.5	508.0	531.6	571.9	580.4	578.7
72.5°	323.0	317.9	328.0	341.5	354.9	381.9	407.1	429.0	457.6	466.0	462.6
75°	205.2	208.6	215.3	230.5	254.0	272.5	299.4	317.9	336.4	343.2	344.8
77.5°	114.4	117.8	129.5	148.0	171.6	191.8	215.3	230.5	242.2	243.9	245.6
80°	69.0	70.7	82.4	99.2	119.4	141.3	159.8	174.9	185.0	180.0	178.3
82.5°	42.1	43.7	53.8	69.0	85.8	102.6	122.8	136.3	146.3	139.6	132.9
85°	21.9	23.6	32.0	42.1	55.5	63.9	63.9	57.2	55.5	52.1	50.5
87.5°	6.7	6.7	8.4	10.1	8.4	10.1	11.8	13.5	13.5	15.1	13.5
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)