

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: P528639

Luminaire Tested: **GALN-SA3D-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14448 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

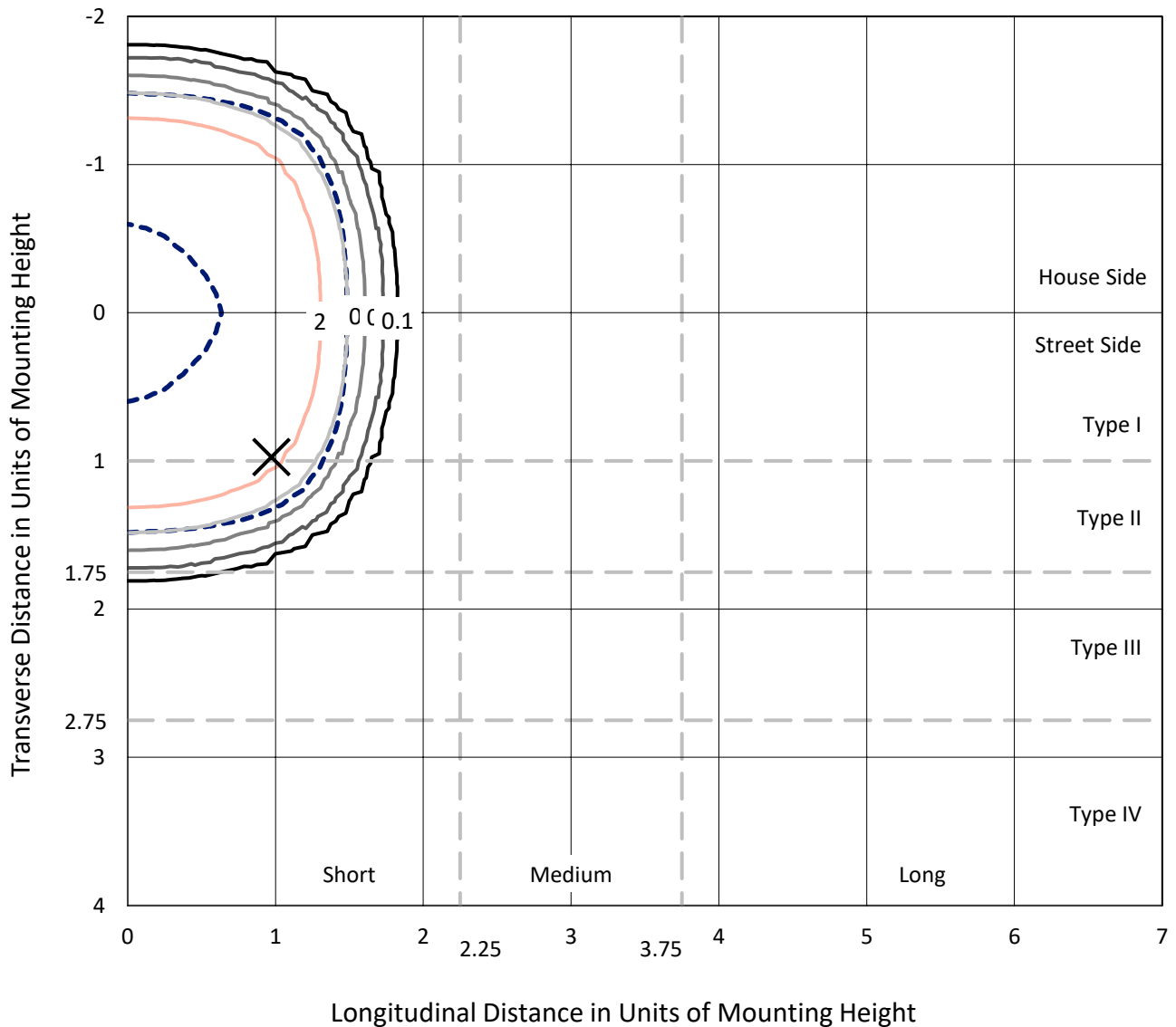
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

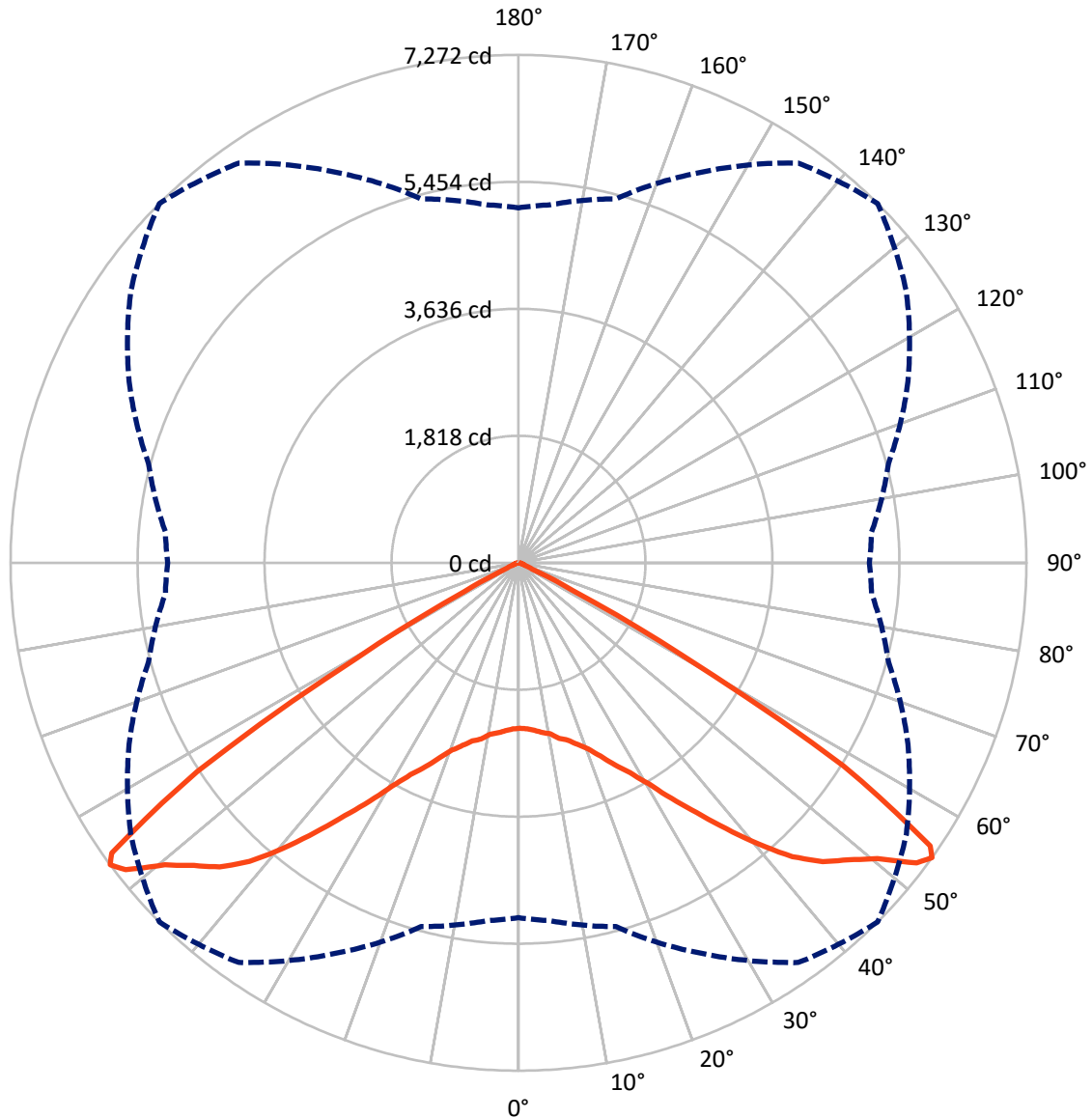
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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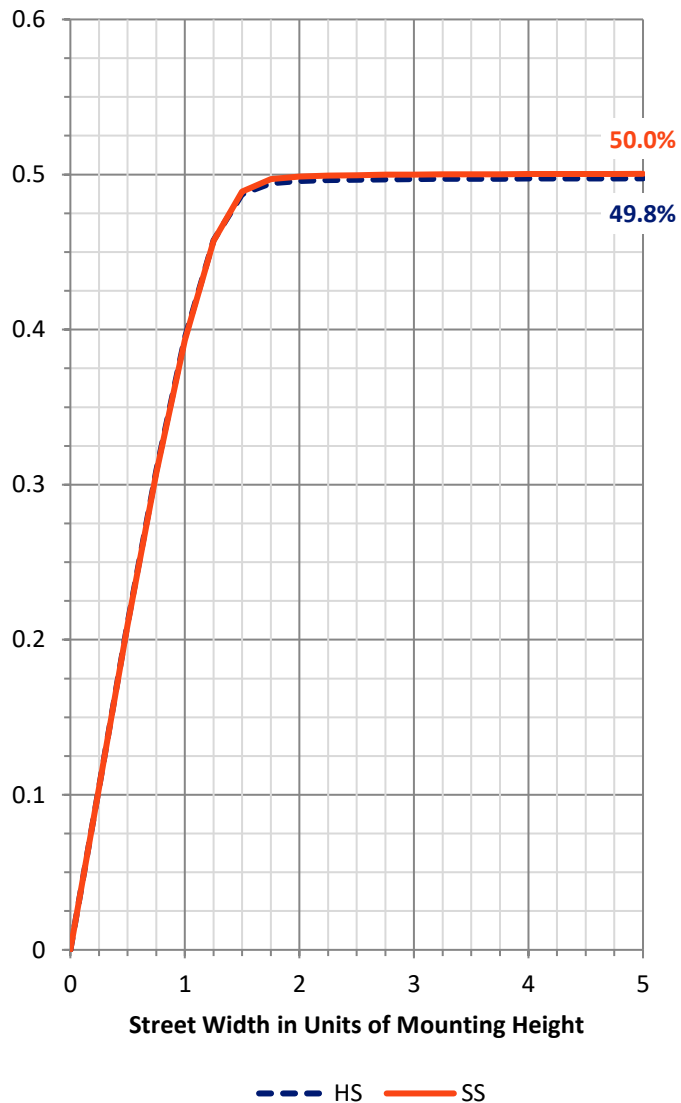
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7224.0	0.0	7224.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7224.0	0.0	7224.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14448.0	0.0	14448.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.9	1.6
10°-20°	750.9	5.2
20°-30°	1471.7	10.2
30°-40°	2646.4	18.3
40°-50°	4530.1	31.4
50°-60°	4383.3	30.3
60°-70°	375.2	2.6
70°-80°	44.5	0.3
80°-90°	13.9	0.1
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°	14448.0	100.0
0°-180°	14448.0	100.0

Coefficient of Utilization

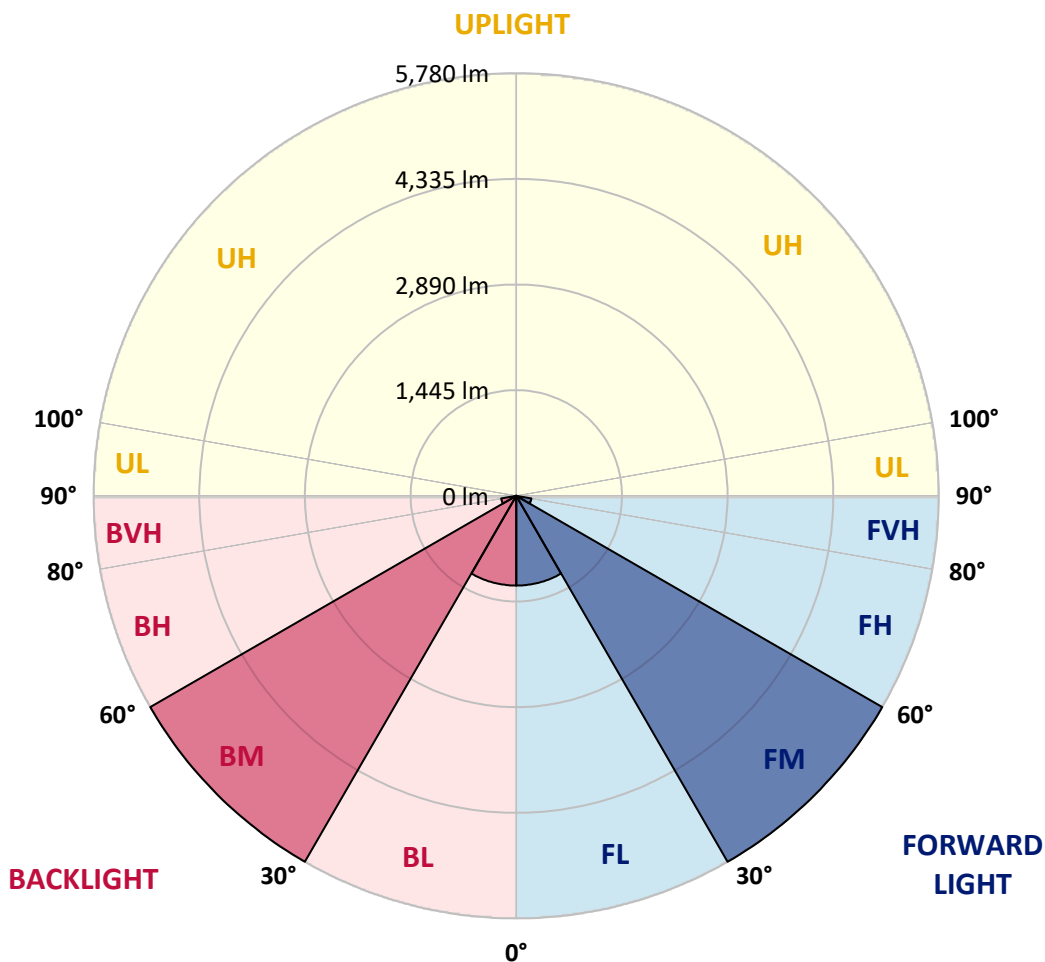


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.2	8.5			
FM (30°-60°)	5779.9	40.0			
FH (60°-80°)	209.9	1.5			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	1227.2	8.5	B3/2500		
BM (30°-60°)	5779.9	40.0	B4/8500		
BH (60°-80°)	209.9	1.5	B1/500		G0/660
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2369.0	2369.0	2369.0	2369.0	2369.0	2369.0	2369.0	2369.0	2369.0	2369.0	2369.0
2.5°	2380.5	2394.2	2385.0	2391.9	2391.9	2380.5	2387.3	2359.9	2378.2	2364.4	2366.7
5°	2417.1	2414.8	2414.8	2417.1	2407.9	2412.5	2403.4	2394.2	2387.3	2378.2	2405.6
7.5°	2462.9	2462.9	2446.8	2451.4	2446.8	2453.7	2435.4	2417.1	2410.2	2403.4	2398.8
10°	2506.4	2501.8	2494.9	2515.5	2499.5	2490.3	2481.2	2469.7	2444.6	2435.4	2426.2
12.5°	2570.4	2568.2	2559.0	2579.6	2570.4	2579.6	2545.3	2515.5	2510.9	2481.2	2497.2
15°	2646.0	2666.6	2650.6	2650.6	2646.0	2634.5	2620.8	2607.1	2565.9	2554.4	2556.7
17.5°	2744.4	2737.5	2739.8	2739.8	2762.7	2733.0	2705.5	2671.2	2650.6	2643.7	2620.8
20°	2838.2	2847.4	2845.1	2861.1	2874.9	2842.8	2813.1	2808.5	2751.3	2760.4	2728.4
22.5°	3003.0	2996.2	3007.6	3019.1	3009.9	3005.3	2977.9	2943.5	2893.2	2870.3	2865.7
25°	3177.0	3165.6	3145.0	3172.4	3186.2	3206.8	3154.1	3135.8	3058.0	3023.7	3025.9
27.5°	3325.8	3341.8	3364.7	3376.1	3410.5	3403.6	3367.0	3307.5	3248.0	3209.1	3183.9
30°	3529.5	3538.7	3577.6	3593.6	3653.1	3669.1	3611.9	3543.2	3437.9	3387.6	3357.8
32.5°	3717.2	3781.3	3779.0	3859.1	3955.2	4021.6	3918.6	3813.3	3708.0	3648.5	3595.9
35°	4021.6	4010.2	4076.5	4161.2	4316.9	4392.4	4280.3	4158.9	3998.7	3902.6	3861.4
37.5°	4305.4	4310.0	4399.3	4534.3	4712.9	4829.6	4731.2	4532.0	4367.2	4243.6	4186.4
40°	4717.4	4726.6	4818.2	4971.5	5172.9	5298.8	5184.4	4983.0	4763.2	4667.1	4667.1
42.5°	5200.4	5239.3	5298.8	5431.6	5612.4	5752.0	5649.0	5491.1	5269.1	5145.5	5163.8
45°	5697.1	5715.4	5754.3	5951.2	6035.9	6104.5	6008.4	5935.1	5786.4	5635.3	5610.1
47.5°	6161.7	6168.6	6283.1	6344.9	6411.2	6354.0	6415.8	6319.7	6152.6	6006.1	5976.3
50°	6367.7	6356.3	6518.8	6706.5	6756.9	6656.2	6603.5	6539.4	6285.3	6109.1	6031.3
52.5°	5768.1	5834.4	6136.6	6658.4	7052.1	7136.8	6830.1	6534.8	6061.0	5717.7	5665.1
54°	5081.4	5143.2	5392.7	6166.3	6985.8	7271.9	6777.5	6150.3	5481.9	5074.5	5021.9
55°	4401.6	4332.9	4786.1	5575.8	6674.5	7152.8	6569.2	5653.6	4889.1	4516.0	4442.8
57.5°	2382.8	2394.2	2776.4	3522.6	4690.0	5484.2	4843.3	3824.8	2888.6	2469.7	2433.1
60°	755.3	773.7	940.7	1423.7	2240.8	2675.7	2293.5	1535.9	1062.1	851.5	817.1
62.5°	235.8	244.9	267.8	398.3	613.4	876.7	686.7	412.0	306.7	281.5	286.1
65°	144.2	144.2	146.5	155.6	183.1	212.9	206.0	180.8	174.0	169.4	167.1
67.5°	93.8	91.6	96.1	103.0	107.6	109.9	116.7	123.6	121.3	116.7	116.7
70°	57.2	54.9	59.5	68.7	71.0	75.5	82.4	91.6	89.3	84.7	87.0
72.5°	32.0	32.0	34.3	41.2	48.1	52.6	59.5	66.4	68.7	66.4	66.4
75°	11.4	13.7	18.3	25.2	29.8	36.6	43.5	50.4	57.2	52.6	50.4
77.5°	4.6	4.6	9.2	16.0	22.9	29.8	41.2	48.1	52.6	48.1	43.5
80°	2.3	2.3	6.9	13.7	20.6	27.5	34.3	41.2	43.5	38.9	34.3
82.5°	2.3	2.3	6.9	13.7	20.6	25.2	36.6	41.2	45.8	41.2	34.3
85°	0.0	2.3	6.9	13.7	18.3	20.6	20.6	13.7	11.4	6.9	6.9
87.5°	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)