

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: P528223

Luminaire Tested: **GALN-SA3B-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528223
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-SA3B-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA 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: 11669 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

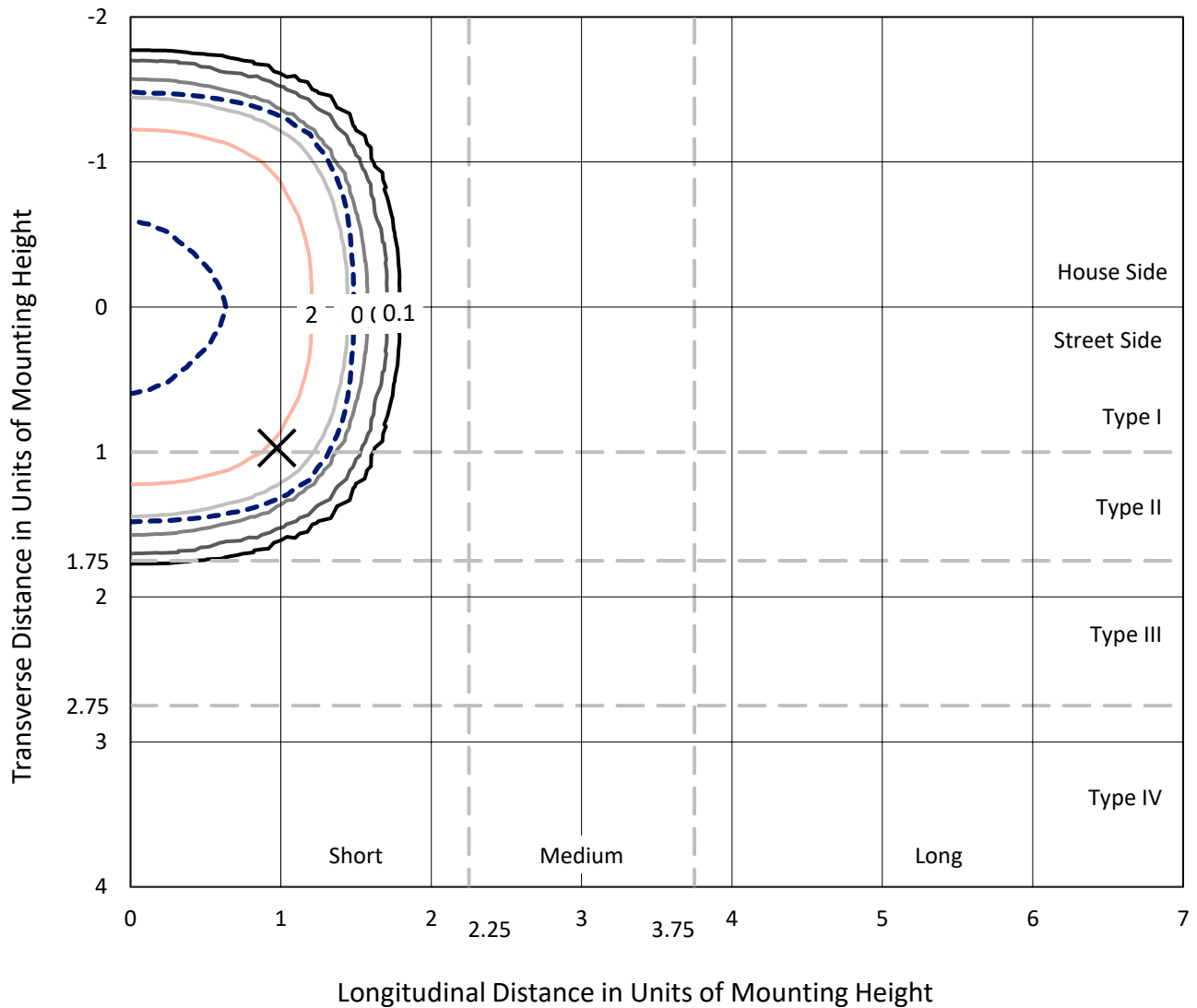
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528223
 CATALOG NUMBER: GALN-SA3B-740-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

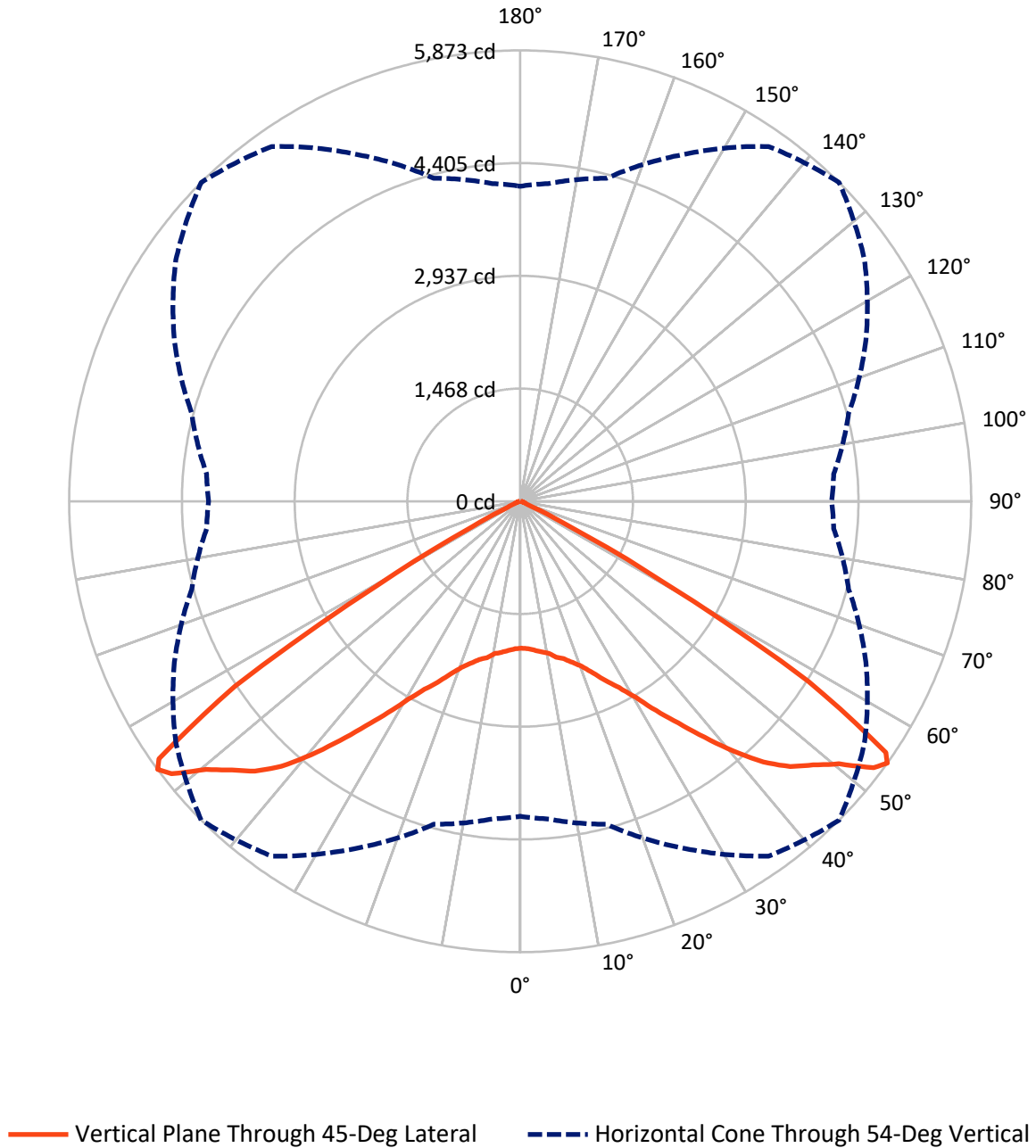
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P528223
CATALOG NUMBER: GALN-SA3B-740-U-5NQ-GRSBK

Luminous Intensity Polar Plot





REPORT NUMBER: P528223
 CATALOG NUMBER: GALN-SA3B-740-U-5NQ-GRSBK

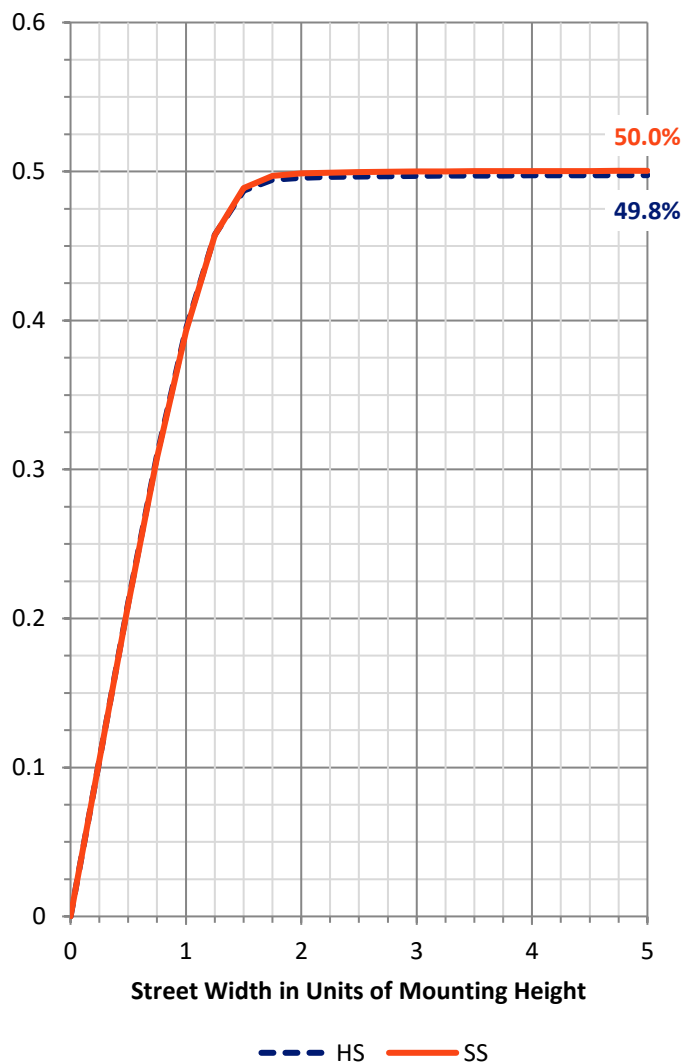
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5834.5	0.0	5834.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5834.5	0.0	5834.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11669.0	0.0	11669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	1.6
10°-20°	606.5	5.2
20°-30°	1188.6	10.2
30°-40°	2137.4	18.3
40°-50°	3658.8	31.4
50°-60°	3540.2	30.3
60°-70°	303.1	2.6
70°-80°	35.9	0.3
80°-90°	11.3	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°	11669.0	100.0
0°-180°	11669.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528223

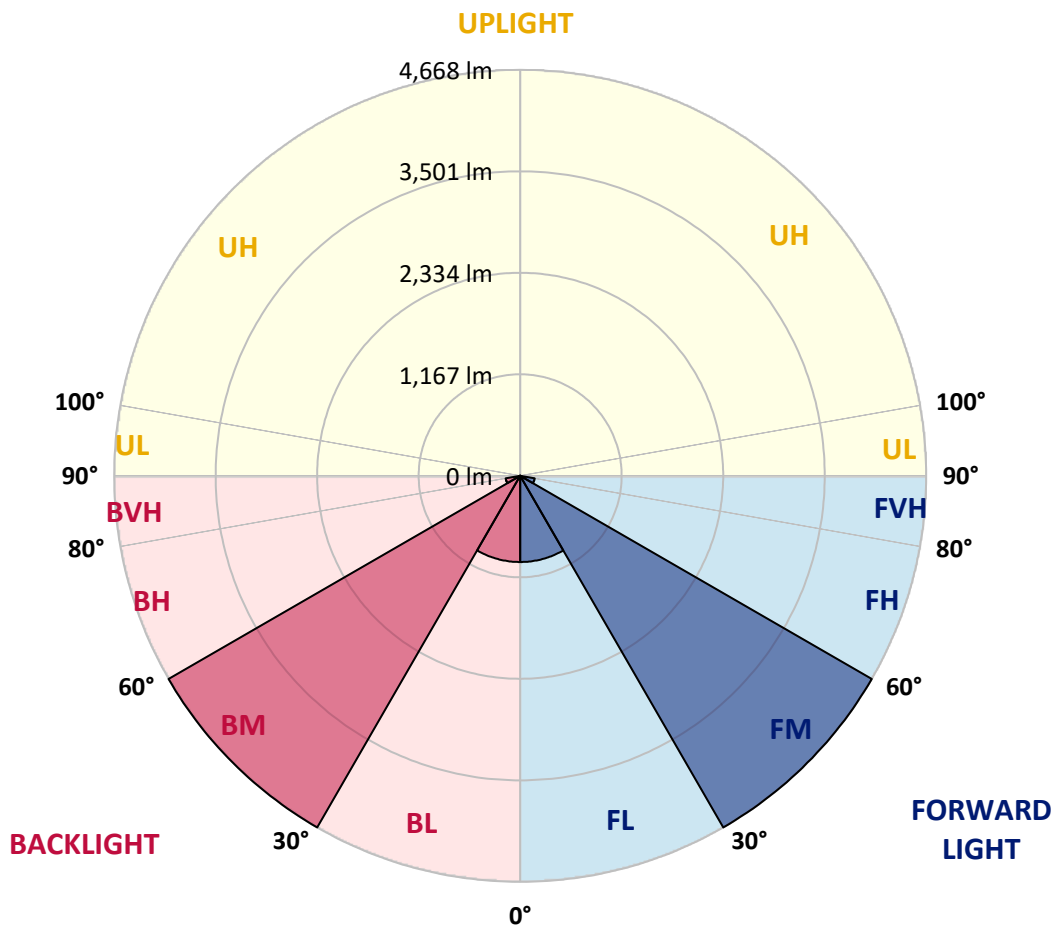
CATALOG NUMBER: GALN-SA3B-740-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	991.2	8.5			
FM (30°-60°)	4668.2	40.0			
FH (60°-80°)	169.5	1.5			G0/660
FVH (80°-90°)	5.6	0.0			G0/10
BL (0°-30°)	991.2	8.5	B2/1000		
BM (30°-60°)	4668.2	40.0	B3/5000		
BH (60°-80°)	169.5	1.5	B1/500		G0/660
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P528223

CATALOG NUMBER: GALN-SA3B-740-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4	1913.4
2.5°	1922.6	1933.7	1926.3	1931.8	1931.8	1922.6	1928.1	1906.0	1920.7	1909.7	1911.5
5°	1952.2	1950.3	1950.3	1952.2	1944.8	1948.5	1941.1	1933.7	1928.1	1920.7	1942.9
7.5°	1989.1	1989.1	1976.2	1979.9	1976.2	1981.8	1967.0	1952.2	1946.6	1941.1	1937.4
10°	2024.3	2020.6	2015.0	2031.7	2018.7	2011.3	2003.9	1994.7	1974.4	1967.0	1959.6
12.5°	2076.0	2074.2	2066.8	2083.4	2076.0	2083.4	2055.7	2031.7	2028.0	2003.9	2016.9
15°	2137.0	2153.7	2140.7	2140.7	2137.0	2127.8	2116.7	2105.6	2072.3	2063.1	2064.9
17.5°	2216.5	2211.0	2212.8	2212.8	2231.3	2207.3	2185.1	2157.4	2140.7	2135.2	2116.7
20°	2292.3	2299.7	2297.9	2310.8	2321.9	2296.0	2272.0	2268.3	2222.1	2229.5	2203.6
22.5°	2425.4	2419.9	2429.1	2438.4	2431.0	2427.3	2405.1	2377.4	2336.7	2318.2	2314.5
25°	2565.9	2556.7	2540.0	2562.2	2573.3	2590.0	2547.4	2532.7	2469.8	2442.1	2443.9
27.5°	2686.1	2699.0	2717.5	2726.8	2754.5	2748.9	2719.4	2671.3	2623.2	2591.8	2571.5
30°	2850.6	2858.0	2889.4	2902.4	2950.4	2963.4	2917.2	2861.7	2776.7	2736.0	2712.0
32.5°	3002.2	3054.0	3052.1	3116.8	3194.5	3248.1	3164.9	3079.9	2994.8	2946.7	2904.2
35°	3248.1	3238.8	3292.4	3360.8	3486.6	3547.6	3457.0	3359.0	3229.6	3151.9	3118.7
37.5°	3477.3	3481.0	3553.1	3662.2	3806.4	3900.7	3821.2	3660.3	3527.2	3427.4	3381.2
40°	3810.1	3817.5	3891.4	4015.3	4177.9	4279.6	4187.2	4024.5	3847.0	3769.4	3769.4
42.5°	4200.1	4231.6	4279.6	4386.8	4532.9	4645.7	4562.5	4434.9	4255.6	4155.8	4170.6
45°	4601.3	4616.1	4647.5	4806.5	4874.9	4930.3	4852.7	4793.5	4673.4	4551.4	4531.0
47.5°	4976.6	4982.1	5074.5	5124.5	5178.1	5131.9	5181.8	5104.1	4969.2	4850.9	4826.8
50°	5142.9	5133.7	5265.0	5416.5	5457.2	5375.9	5333.4	5281.6	5076.4	4934.0	4871.2
52.5°	4658.6	4712.2	4956.2	5377.7	5695.7	5764.1	5516.4	5277.9	4895.2	4617.9	4575.4
54°	4104.0	4153.9	4355.4	4980.3	5642.1	5873.2	5473.9	4967.3	4427.5	4098.5	4055.9
55°	3555.0	3499.5	3865.5	4503.3	5390.7	5777.0	5305.6	4566.2	3948.7	3647.4	3588.2
57.5°	1924.4	1933.7	2242.4	2845.1	3787.9	4429.4	3911.7	3089.1	2333.0	1994.7	1965.1
60°	610.1	624.8	759.8	1149.9	1809.8	2161.1	1852.3	1240.4	857.8	687.7	660.0
62.5°	190.4	197.8	216.3	321.7	495.4	708.0	554.6	332.8	247.7	227.4	231.1
65°	116.5	116.5	118.3	125.7	147.9	171.9	166.4	146.0	140.5	136.8	135.0
67.5°	75.8	73.9	77.6	83.2	86.9	88.7	94.3	99.8	98.0	94.3	94.3
70°	46.2	44.4	48.1	55.5	57.3	61.0	66.6	73.9	72.1	68.4	70.2
72.5°	25.9	25.9	27.7	33.3	38.8	42.5	48.1	53.6	55.5	53.6	53.6
75°	9.2	11.1	14.8	20.3	24.0	29.6	35.1	40.7	46.2	42.5	40.7
77.5°	3.7	3.7	7.4	12.9	18.5	24.0	33.3	38.8	42.5	38.8	35.1
80°	1.8	1.8	5.5	11.1	16.6	22.2	27.7	33.3	35.1	31.4	27.7
82.5°	1.8	1.8	5.5	11.1	16.6	20.3	29.6	33.3	37.0	33.3	27.7
85°	0.0	1.8	5.5	11.1	14.8	16.6	16.6	11.1	9.2	5.5	5.5
87.5°	0.0	0.0	1.8	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)