

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: P530959

Luminaire Tested: **GALN-SA6B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18237 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 243
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

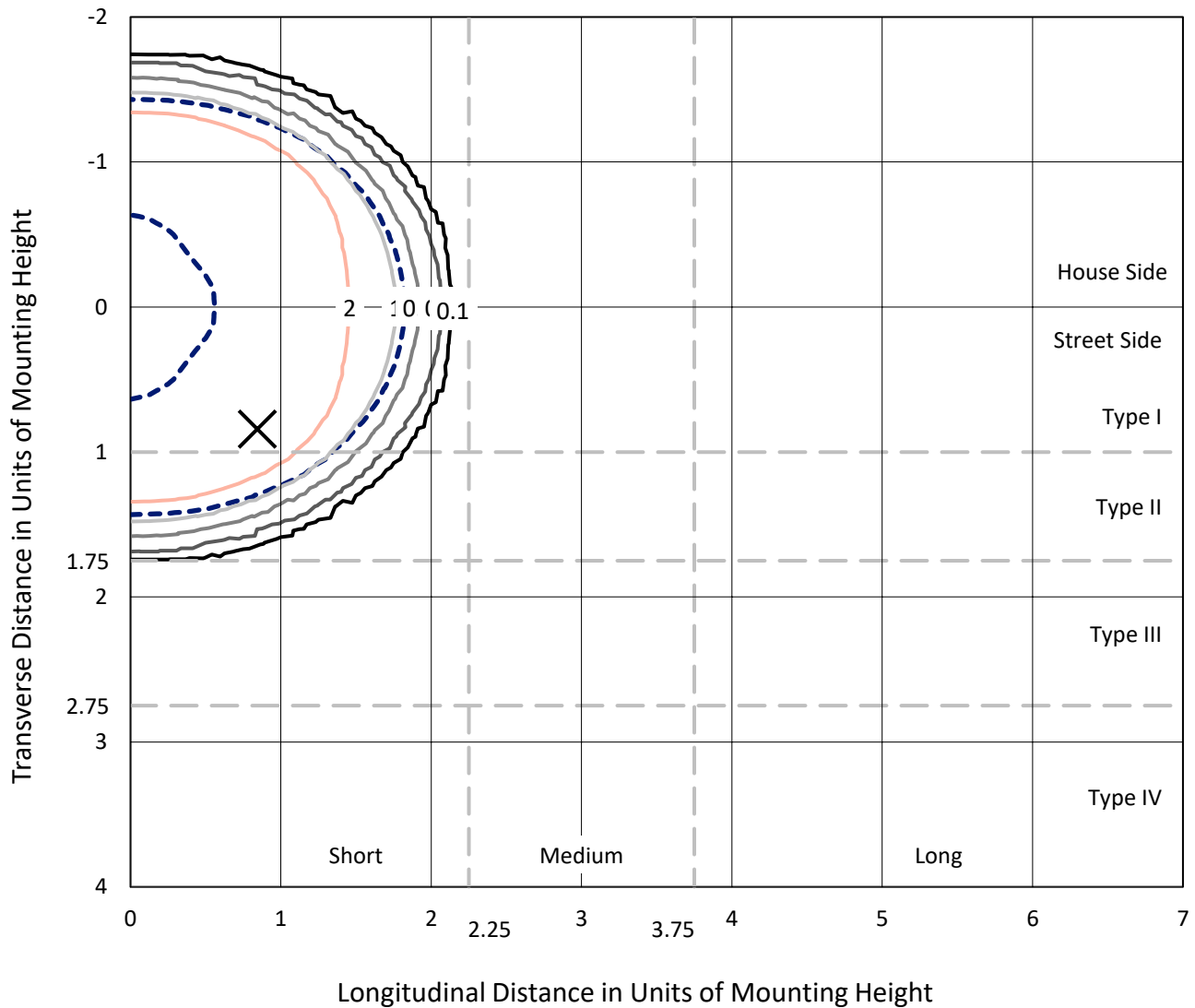


REPORT NUMBER: P530959

CATALOG NUMBER: GALN-SA6B-727-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

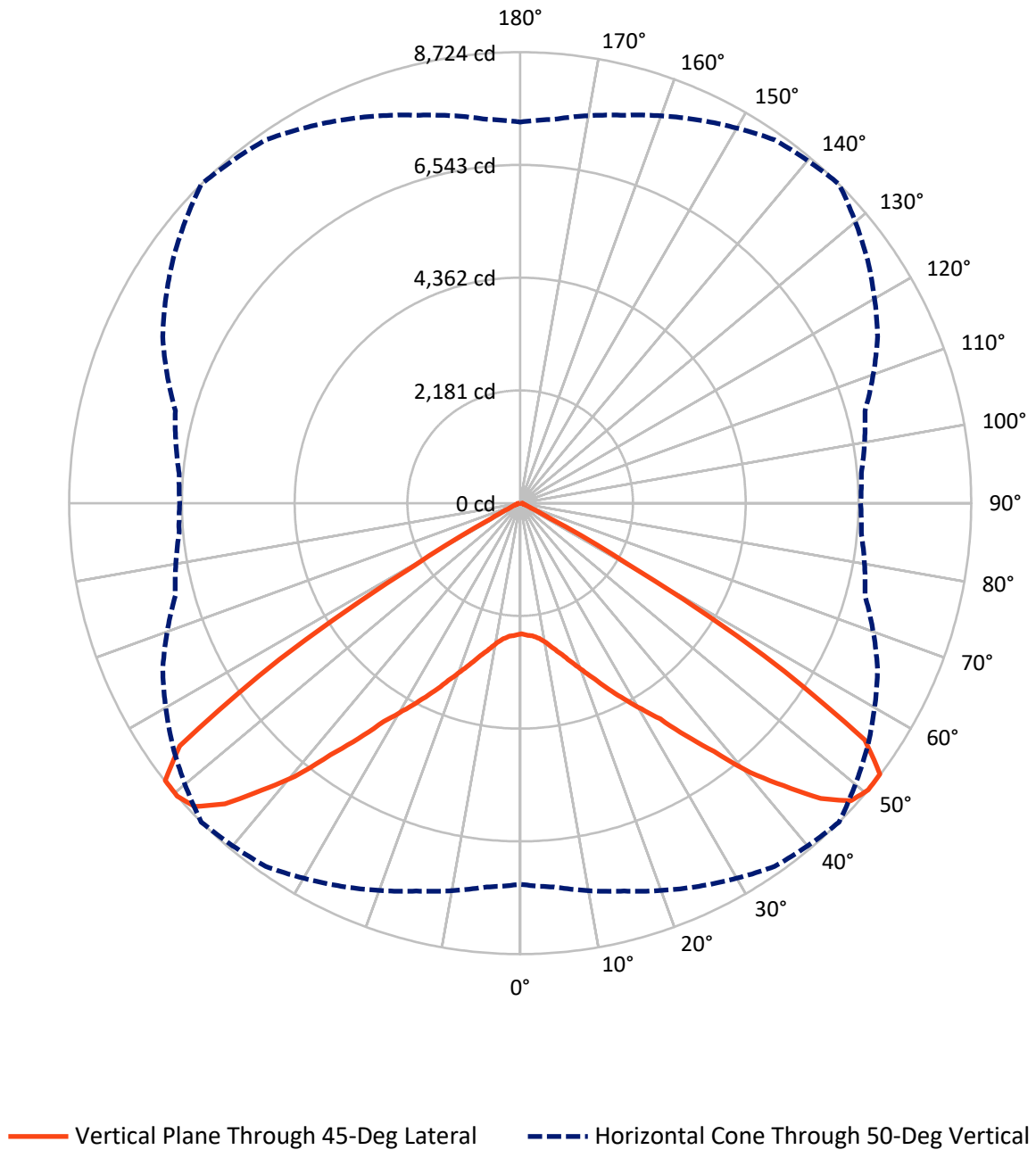


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P530959

CATALOG NUMBER: GALN-SA6B-727-U-RW-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P530959

CATALOG NUMBER: GALN-SA6B-727-U-RW-GRSBK

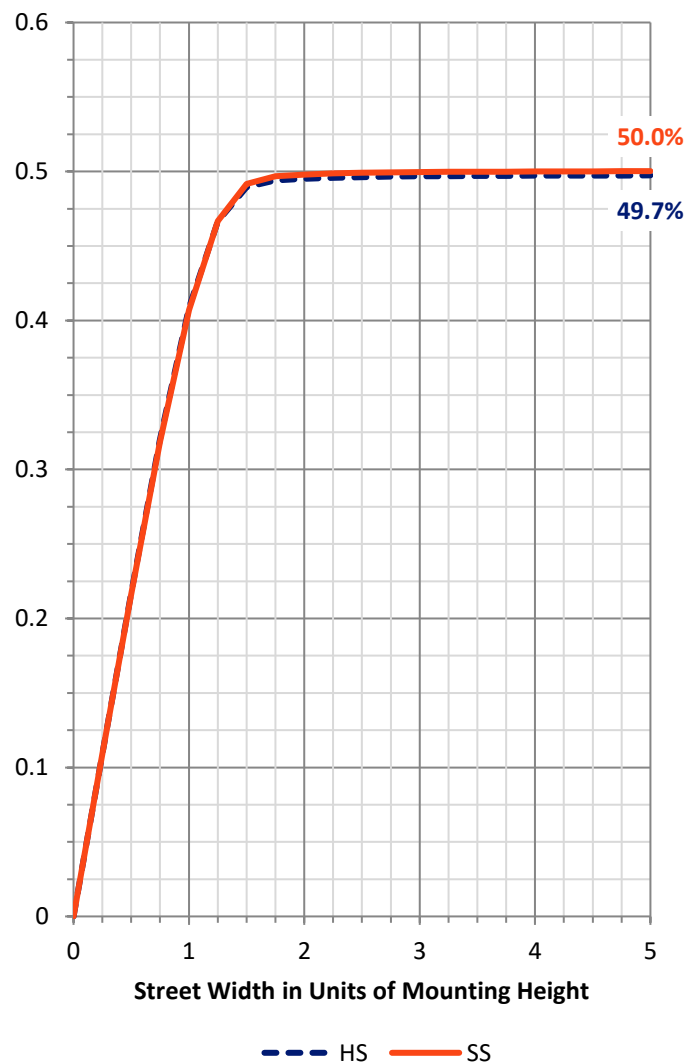
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9118.5	0.0	9118.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9118.5	0.0	9118.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18237.0	0.0	18237.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	1.4
10°-20°	866.9	4.8
20°-30°	1770.6	9.7
30°-40°	3376.5	18.5
40°-50°	5690.0	31.2
50°-60°	5426.4	29.8
60°-70°	757.5	4.2
70°-80°	72.4	0.4
80°-90°	25.0	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°	18237.0	100.0
0°-180°	18237.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530959

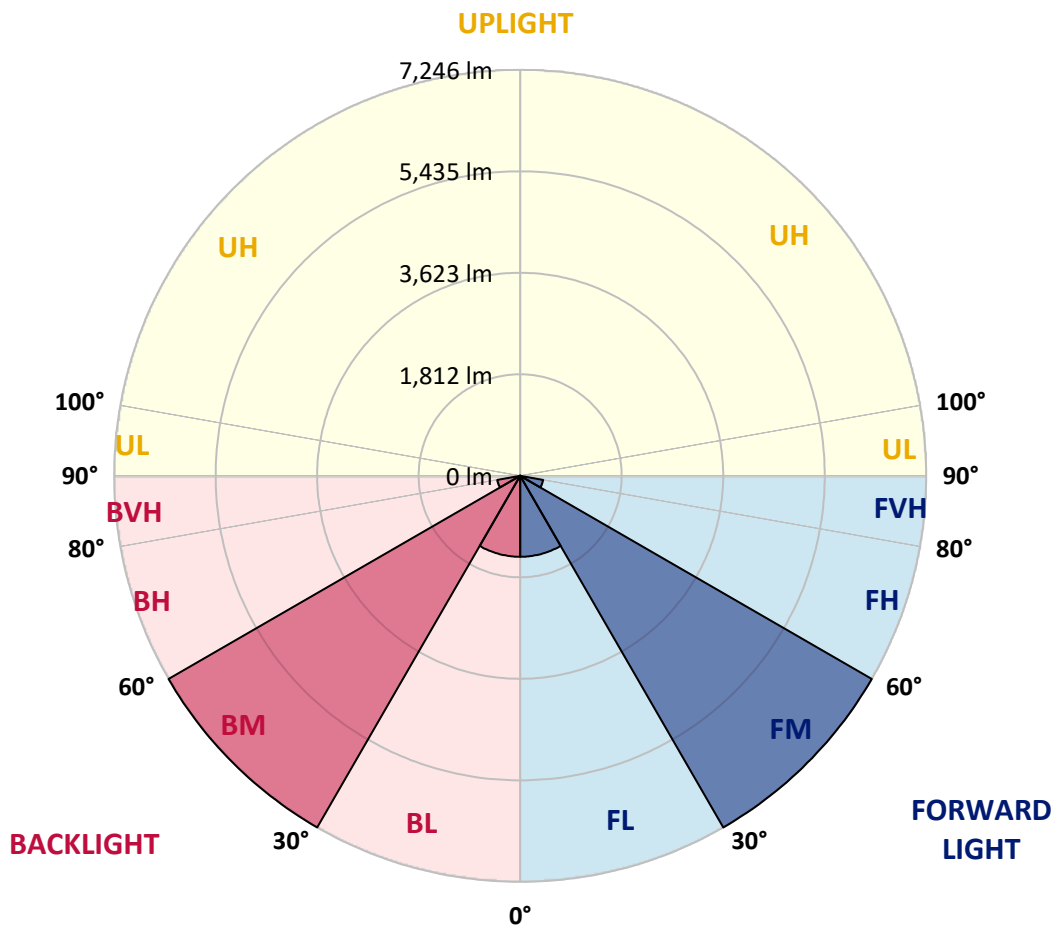
CATALOG NUMBER: GALN-SA6B-727-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1444.5	7.9			
FM	(30°-60°)	7246.5	39.7			
FH	(60°-80°)	415.0	2.3			G0/660
FVH	(80°-90°)	12.5	0.1			G1/100
BL	(0°-30°)	1444.5	7.9	B3/2500		
BM	(30°-60°)	7246.5	39.7	B4/8500		
BH	(60°-80°)	415.0	2.3	B1/500		G0/660
BVH	(80°-90°)	12.5	0.1			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



REPORT NUMBER: P530959

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4	2528.4
2.5°	2519.2	2519.2	2516.1	2540.6	2528.4	2556.0	2552.9	2562.1	2571.3	2568.2	2592.8
5°	2497.7	2494.6	2494.6	2522.2	2549.8	2580.5	2608.1	2626.5	2657.2	2657.2	2687.9
7.5°	2519.2	2503.8	2525.3	2537.6	2589.7	2641.9	2687.9	2724.7	2795.3	2819.9	2810.7
10°	2525.3	2543.7	2559.0	2595.9	2660.3	2740.1	2780.0	2872.0	2951.8	3007.0	3019.3
12.5°	2565.2	2592.8	2635.8	2724.7	2783.0	2887.4	2942.6	3031.6	3142.0	3203.4	3246.4
15°	2641.9	2651.1	2706.3	2819.9	2945.7	3040.8	3126.7	3191.1	3298.5	3369.1	3372.2
17.5°	2740.1	2780.0	2856.7	2964.1	3096.0	3237.2	3304.7	3375.2	3415.1	3510.2	3531.7
20°	2936.5	2942.6	3016.2	3157.4	3323.1	3451.9	3501.0	3537.9	3522.5	3620.7	3639.1
22.5°	3120.6	3126.7	3218.7	3409.0	3587.0	3697.4	3718.9	3697.4	3651.4	3722.0	3728.1
25°	3307.7	3363.0	3430.5	3620.7	3841.6	3988.9	3992.0	3933.7	3838.6	3850.8	3881.5
27.5°	3599.2	3639.1	3709.7	3884.6	4127.0	4292.7	4265.1	4194.5	4071.8	4081.0	4071.8
30°	3939.8	3976.6	4034.9	4258.9	4436.9	4617.9	4657.8	4590.3	4406.2	4366.3	4412.4
32.5°	4351.0	4403.2	4510.5	4716.1	4866.5	4976.9	5004.6	4980.0	4808.2	4792.8	4823.5
35°	4851.1	4921.7	5019.9	5200.9	5323.7	5523.1	5523.1	5440.3	5283.8	5302.2	5299.1
37.5°	5378.9	5483.2	5636.6	5820.7	5986.4	6093.8	6060.1	5989.5	5833.0	5793.1	5833.0
40°	6041.7	6093.8	6287.1	6526.5	6729.0	6851.7	6707.5	6554.1	6179.8	6238.1	6345.4
42.5°	6646.1	6729.0	6876.3	7140.2	7370.3	7471.5	7299.7	6995.9	6544.9	6498.9	6578.6
45°	7161.6	7250.6	7443.9	7821.3	8063.7	8152.7	7772.3	7281.3	6765.8	6649.2	6683.0
47.5°	7505.3	7551.3	7821.3	8180.3	8401.3	8603.8	8057.6	7477.7	6870.1	6649.2	6636.9
50°	7373.4	7453.1	7769.2	8177.3	8579.2	8723.5	8201.8	7628.0	6903.9	6621.6	6584.8
52.5°	6548.0	6686.0	7038.9	7588.1	8195.7	8711.2	8401.3	7578.9	6891.6	6649.2	6704.4
55°	4556.6	4559.6	4989.2	5799.3	6873.2	8088.3	8109.8	7634.2	6971.4	6821.0	6824.1
57.5°	1831.8	1923.9	2252.2	3065.3	4056.4	5553.8	6603.2	7081.9	6980.6	6943.8	7038.9
60°	463.3	466.4	567.7	865.3	1426.8	2381.1	3458.1	4679.3	5388.1	5630.5	5664.3
62.5°	236.3	239.3	263.9	306.8	389.7	638.2	1135.3	1801.1	2562.1	2948.7	3050.0
65°	193.3	193.3	208.7	230.1	233.2	245.5	294.6	420.4	610.6	693.5	702.7
67.5°	147.3	147.3	159.6	171.8	178.0	174.9	168.8	174.9	211.7	202.5	196.4
70°	92.1	95.1	101.3	113.5	119.7	122.7	125.8	131.9	150.4	156.5	150.4
72.5°	55.2	55.2	58.3	67.5	76.7	82.8	92.1	98.2	107.4	122.7	119.7
75°	24.5	24.5	30.7	39.9	49.1	58.3	67.5	76.7	82.8	92.1	95.1
77.5°	6.1	9.2	15.3	27.6	36.8	49.1	61.4	70.6	76.7	76.7	73.6
80°	3.1	3.1	12.3	21.5	39.9	52.2	67.5	73.6	82.8	76.7	67.5
82.5°	3.1	3.1	12.3	21.5	36.8	52.2	70.6	79.8	85.9	76.7	64.4
85°	0.0	3.1	9.2	18.4	30.7	36.8	30.7	21.5	12.3	12.3	9.2
87.5°	0.0	0.0	3.1	3.1	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)