

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: P531427

Luminaire Tested: **GALN-SA6D-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531427
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-SA6D-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA 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: 24793 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

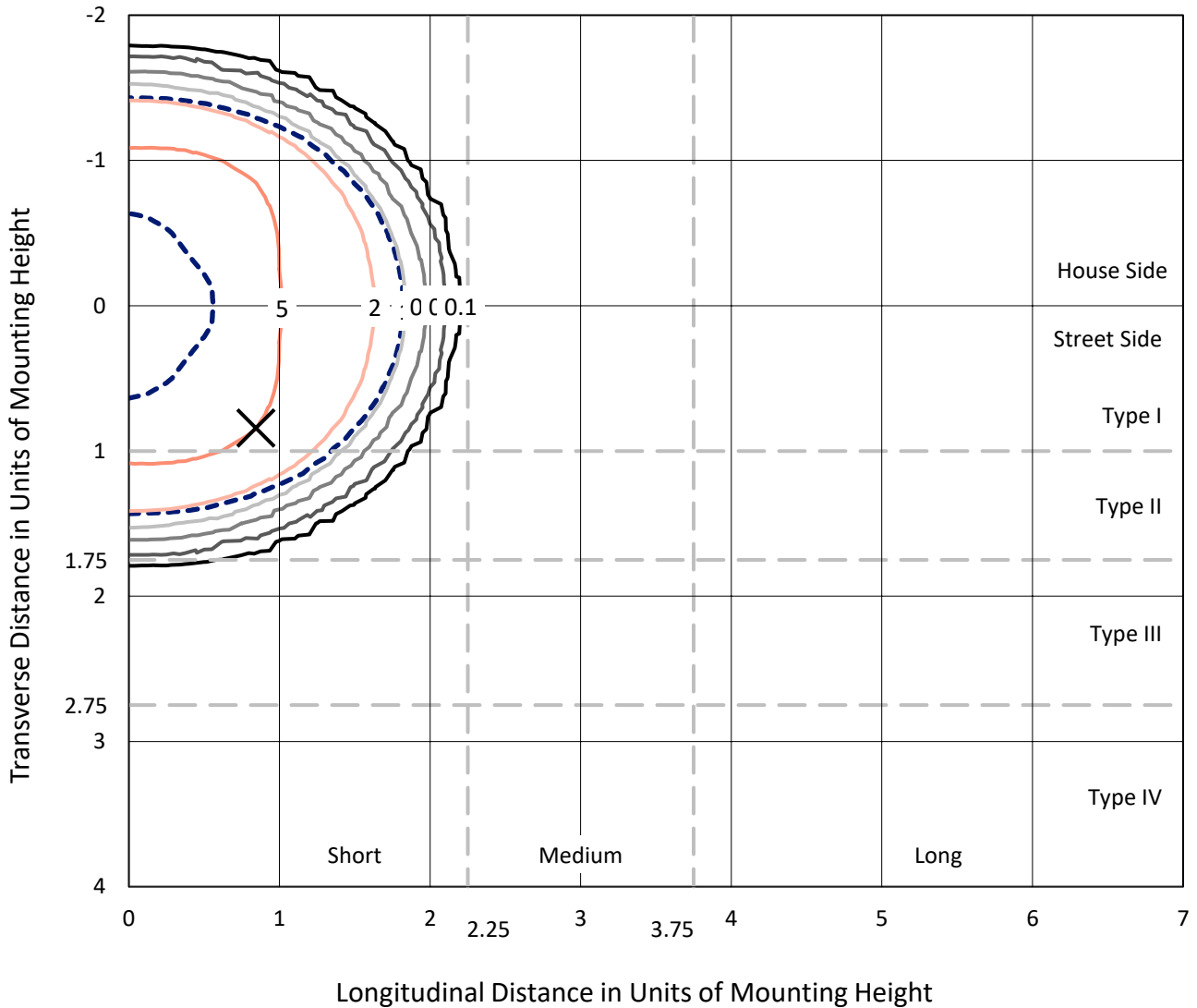
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531427
 CATALOG NUMBER: GALN-SA6D-727-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

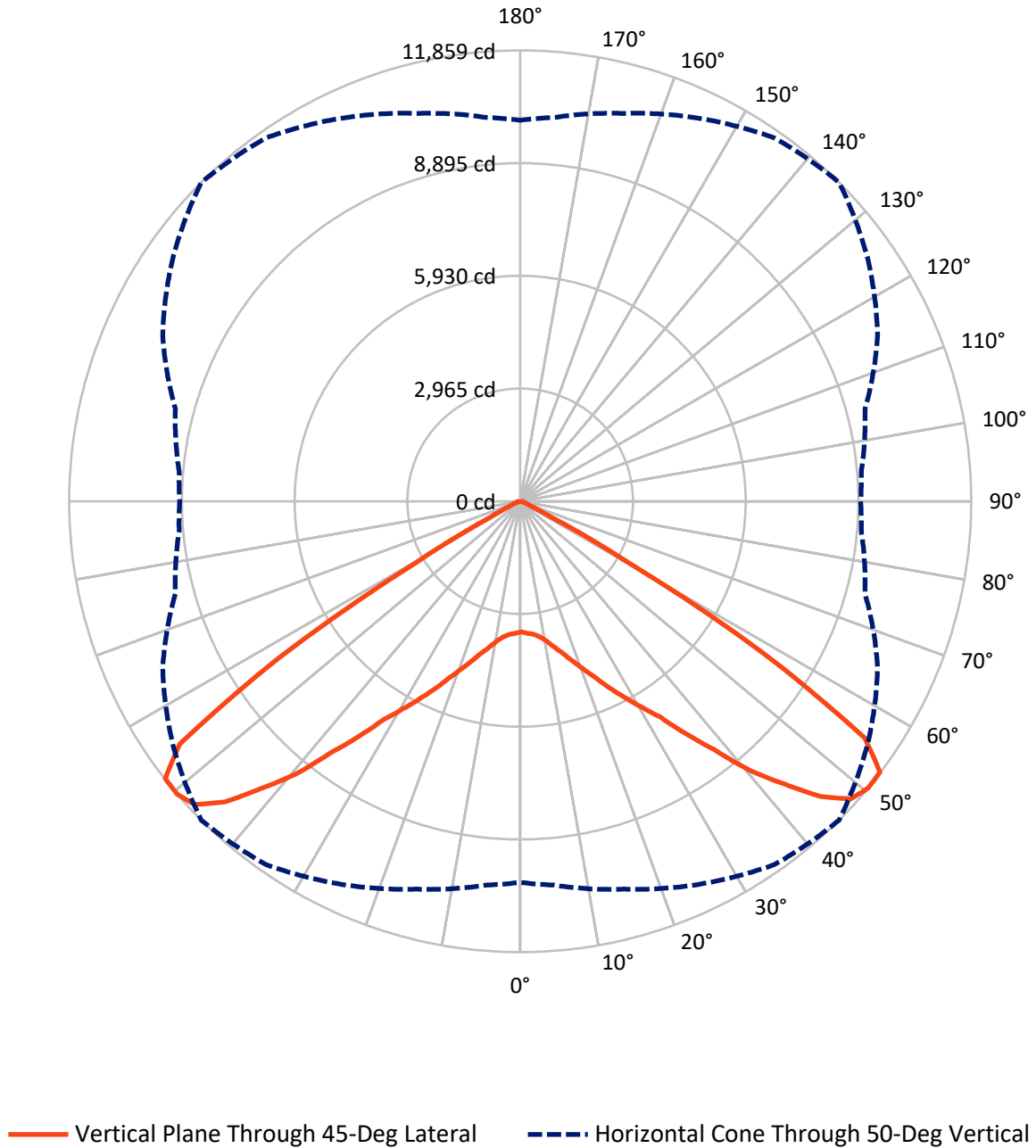
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P531427
CATALOG NUMBER: GALN-SA6D-727-U-RW-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P531427
 CATALOG NUMBER: GALN-SA6D-727-U-RW-GRSBK

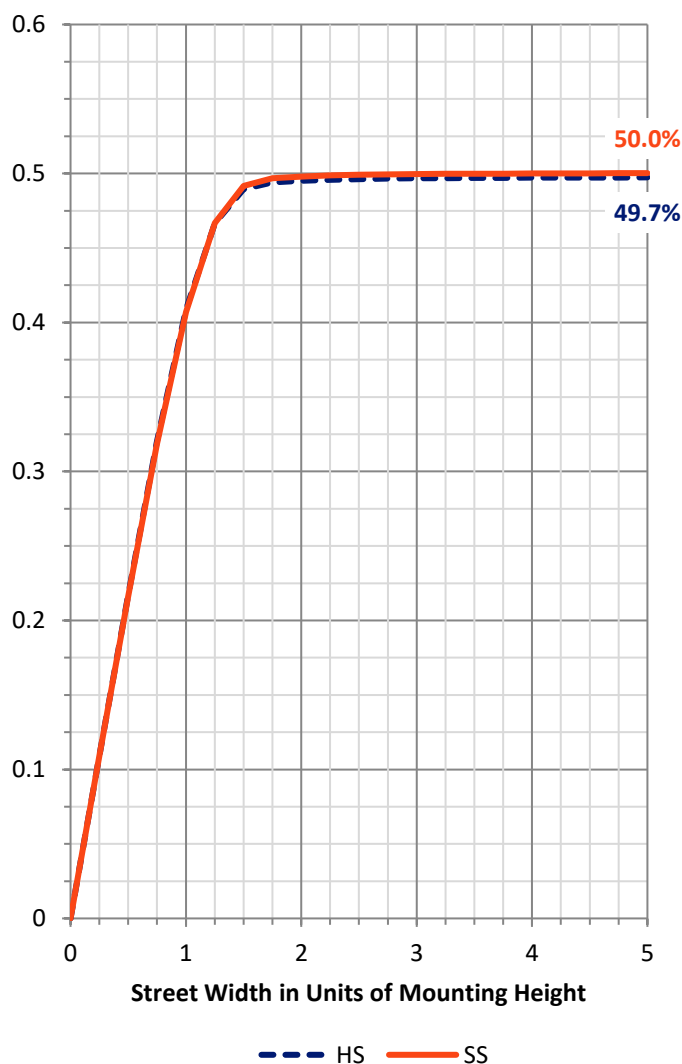
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12396.5	0.0	12396.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12396.5	0.0	12396.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24793.0	0.0	24793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.0	1.4
10°-20°	1178.6	4.8
20°-30°	2407.1	9.7
30°-40°	4590.4	18.5
40°-50°	7735.5	31.2
50°-60°	7377.1	29.8
60°-70°	1029.8	4.2
70°-80°	98.5	0.4
80°-90°	34.0	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°	24793.0	100.0
0°-180°	24793.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531427

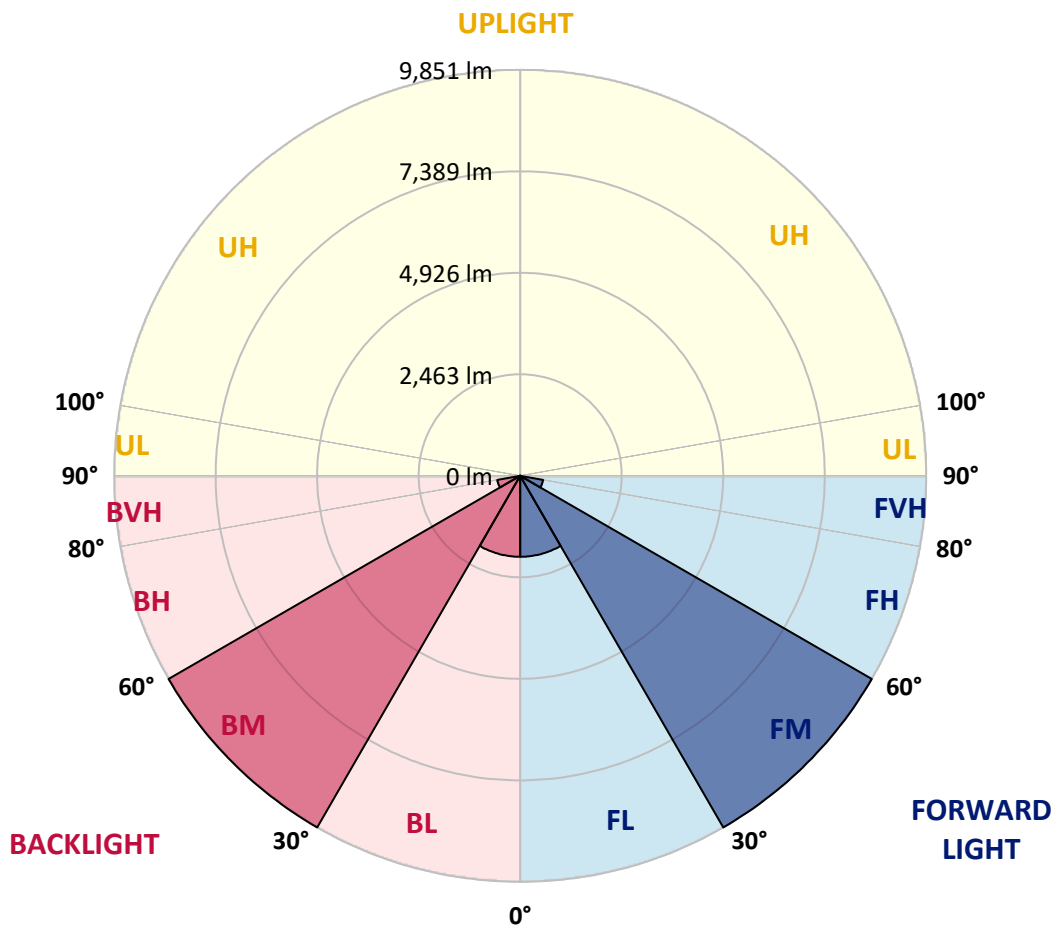
CATALOG NUMBER: GALN-SA6D-727-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1963.8	7.9			
FM (30°-60°)	9851.5	39.7			
FH (60°-80°)	564.1	2.3			G0/660
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1963.8	7.9	B3/2500		
BM (30°-60°)	9851.5	39.7	B5		
BH (60°-80°)	564.1	2.3	B2/1000		G0/660
BVH (80°-90°)	17.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P531427

CATALOG NUMBER: GALN-SA6D-727-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3	3437.3
2.5°	3424.8	3424.8	3420.6	3454.0	3437.3	3474.8	3470.6	3483.2	3495.7	3491.5	3524.9
5°	3395.6	3391.4	3391.4	3428.9	3466.5	3508.2	3545.7	3570.8	3612.5	3612.5	3654.2
7.5°	3424.8	3403.9	3433.1	3449.8	3520.7	3591.6	3654.2	3704.2	3800.2	3833.6	3821.1
10°	3433.1	3458.1	3479.0	3529.0	3616.6	3725.1	3779.3	3904.5	4012.9	4088.0	4104.7
12.5°	3487.3	3524.9	3583.3	3704.2	3783.5	3925.3	4000.4	4121.4	4271.6	4355.0	4413.4
15°	3591.6	3604.1	3679.2	3833.6	4004.6	4133.9	4250.7	4338.3	4484.3	4580.3	4584.4
17.5°	3725.1	3779.3	3883.6	4029.6	4209.0	4400.9	4492.7	4588.6	4642.8	4772.1	4801.3
20°	3992.1	4000.4	4100.5	4292.4	4517.7	4692.9	4759.6	4809.7	4788.8	4922.3	4947.3
22.5°	4242.4	4250.7	4375.9	4634.5	4876.4	5026.6	5055.8	5026.6	4964.0	5060.0	5068.3
25°	4496.8	4571.9	4663.7	4922.3	5222.7	5422.9	5427.1	5347.8	5218.5	5235.2	5276.9
27.5°	4893.1	4947.3	5043.3	5281.1	5610.6	5835.9	5798.3	5702.4	5535.5	5548.0	5535.5
30°	5356.1	5406.2	5485.5	5790.0	6031.9	6278.0	6332.3	6240.5	5990.2	5936.0	5998.5
32.5°	5915.1	5986.0	6132.0	6411.5	6615.9	6766.1	6803.6	6770.3	6536.7	6515.8	6557.5
35°	6595.1	6691.0	6824.5	7070.6	7237.5	7508.6	7508.6	7396.0	7183.2	7208.3	7204.1
37.5°	7312.6	7454.4	7663.0	7913.2	8138.5	8284.5	8238.6	8142.7	7929.9	7875.7	7929.9
40°	8213.6	8284.5	8547.3	8872.7	9148.0	9314.9	9118.8	8910.2	8401.3	8480.6	8626.6
42.5°	9035.4	9148.0	9348.2	9707.0	10019.8	10157.5	9923.9	9510.9	8897.7	8835.1	8943.6
45°	9736.2	9857.1	10119.9	10633.0	10962.6	11083.5	10566.3	9898.9	9198.1	9039.5	9085.4
47.5°	10203.4	10265.9	10633.0	11121.1	11421.4	11696.8	10954.2	10165.8	9339.9	9039.5	9022.9
50°	10024.0	10132.5	10562.1	11116.9	11663.4	11859.4	11150.3	10370.2	9385.8	9002.0	8951.9
52.5°	8901.9	9089.6	9569.3	10316.0	11141.9	11842.8	11421.4	10303.5	9369.1	9039.5	9114.6
55°	6194.6	6198.8	6782.8	7884.0	9344.1	10995.9	11025.1	10378.6	9477.5	9273.1	9277.3
57.5°	2490.4	2615.5	3061.8	4167.3	5514.7	7550.3	8977.0	9627.7	9490.1	9440.0	9569.3
60°	629.9	634.1	771.7	1176.3	1939.7	3237.0	4701.2	6361.5	7325.1	7654.6	7700.5
62.5°	321.2	325.4	358.7	417.1	529.8	867.7	1543.4	2448.6	3483.2	4008.8	4146.4
65°	262.8	262.8	283.7	312.9	317.0	333.7	400.5	571.5	830.1	942.7	955.3
67.5°	200.2	200.2	216.9	233.6	241.9	237.8	229.4	237.8	287.8	275.3	267.0
70°	125.1	129.3	137.7	154.3	162.7	166.9	171.0	179.4	204.4	212.7	204.4
72.5°	75.1	75.1	79.3	91.8	104.3	112.6	125.1	133.5	146.0	166.9	162.7
75°	33.4	33.4	41.7	54.2	66.7	79.3	91.8	104.3	112.6	125.1	129.3
77.5°	8.3	12.5	20.9	37.5	50.1	66.7	83.4	95.9	104.3	104.3	100.1
80°	4.2	4.2	16.7	29.2	54.2	70.9	91.8	100.1	112.6	104.3	91.8
82.5°	4.2	4.2	16.7	29.2	50.1	70.9	95.9	108.5	116.8	104.3	87.6
85°	0.0	4.2	12.5	25.0	41.7	50.1	41.7	29.2	16.7	16.7	12.5
87.5°	0.0	0.0	4.2	4.2	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)