

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: P530020

Luminaire Tested: **GALN-SA5B-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20218 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

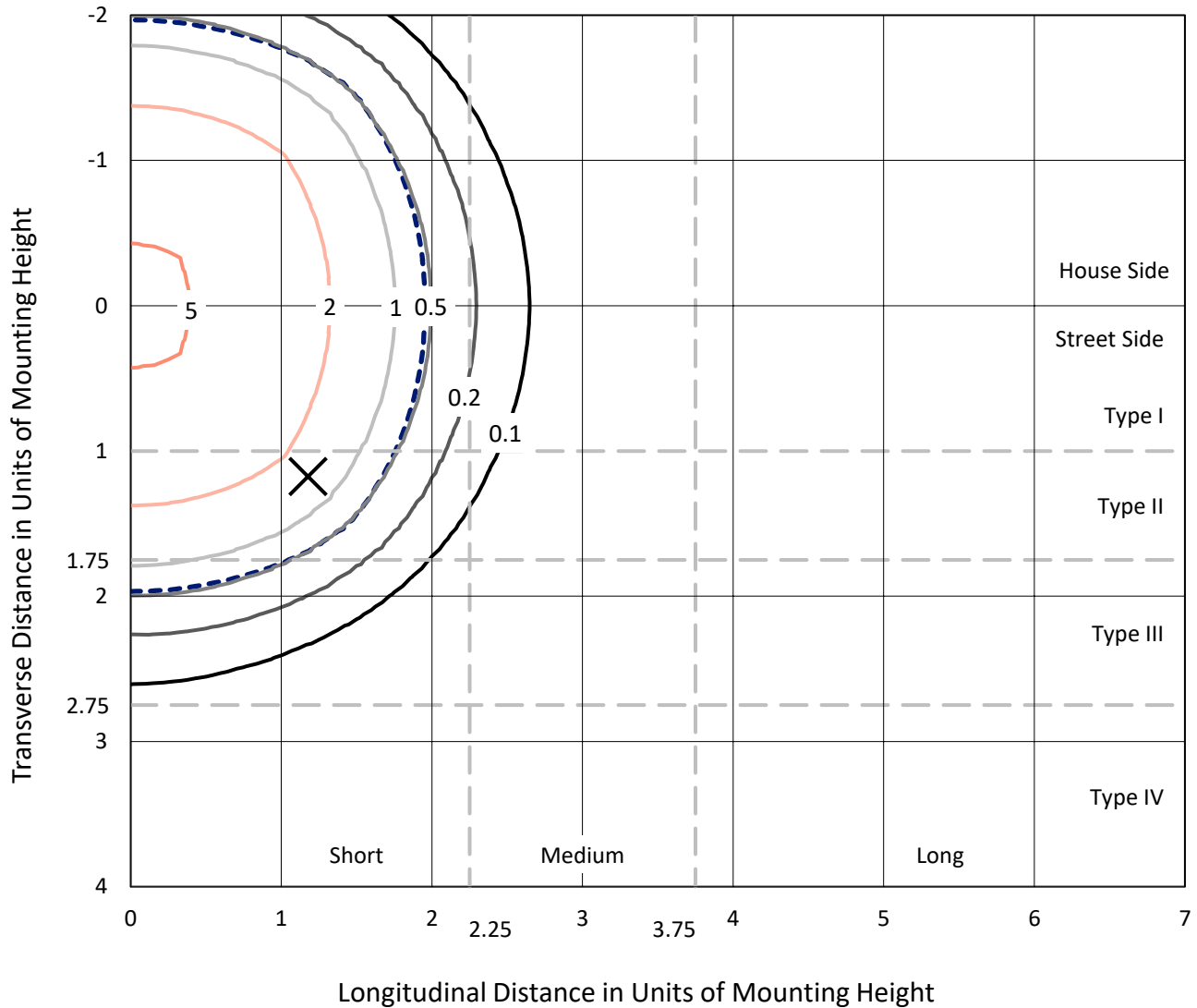
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530020
 CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

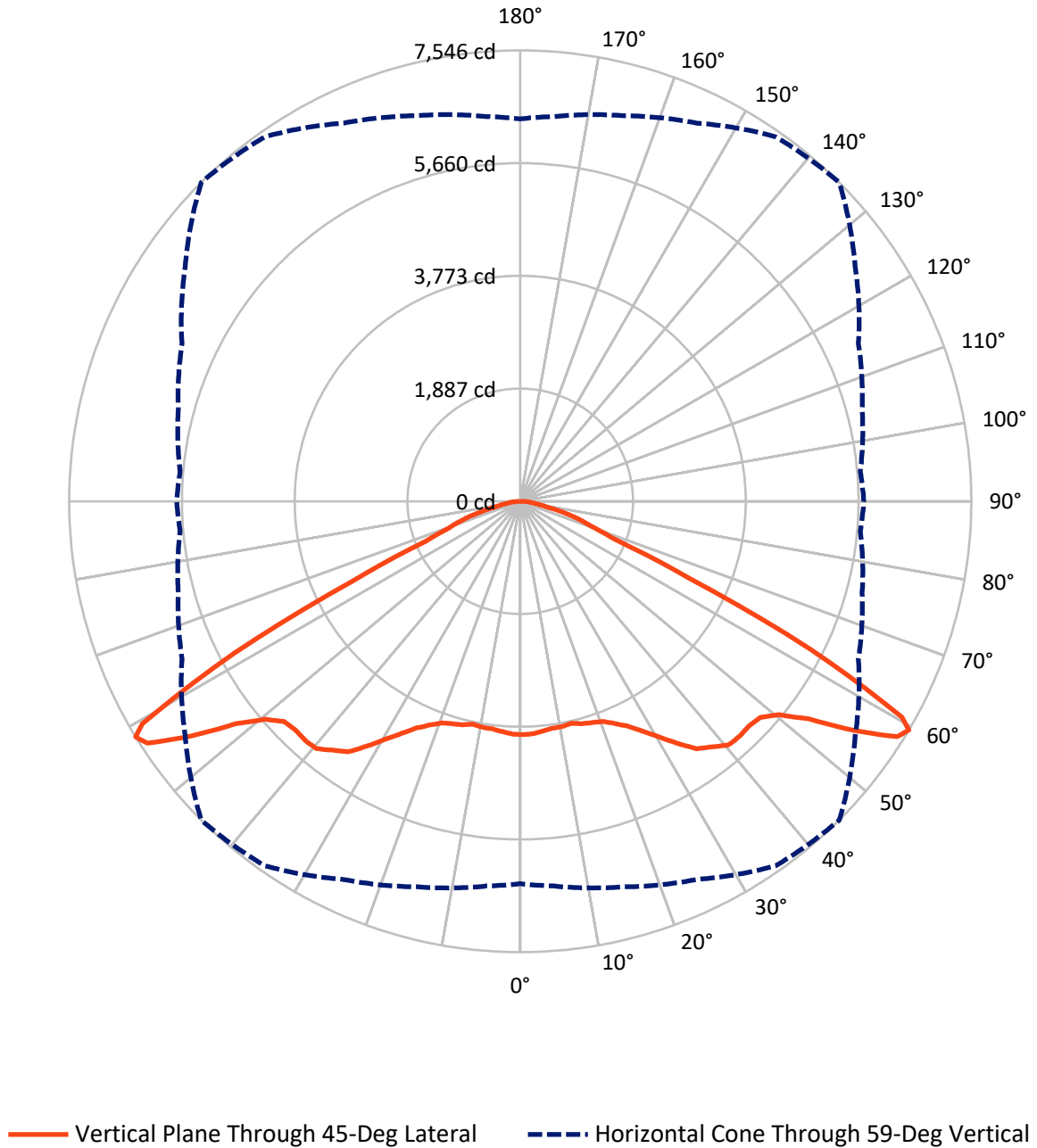
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

REPORT NUMBER: P530020
CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P530020
 CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10109.0	0.0	10109.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10109.0	0.0	10109.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20218.0	0.0	20218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.1	1.8
10°-20°	1094.8	5.4
20°-30°	1911.6	9.5
30°-40°	3053.1	15.1
40°-50°	4158.9	20.6
50°-60°	5623.9	27.8
60°-70°	3084.2	15.3
70°-80°	789.0	3.9
80°-90°	134.6	0.7
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°	20218.0	100.0
0°-180°	20218.0	100.0

Coefficient of Utilization



REPORT NUMBER: P530020

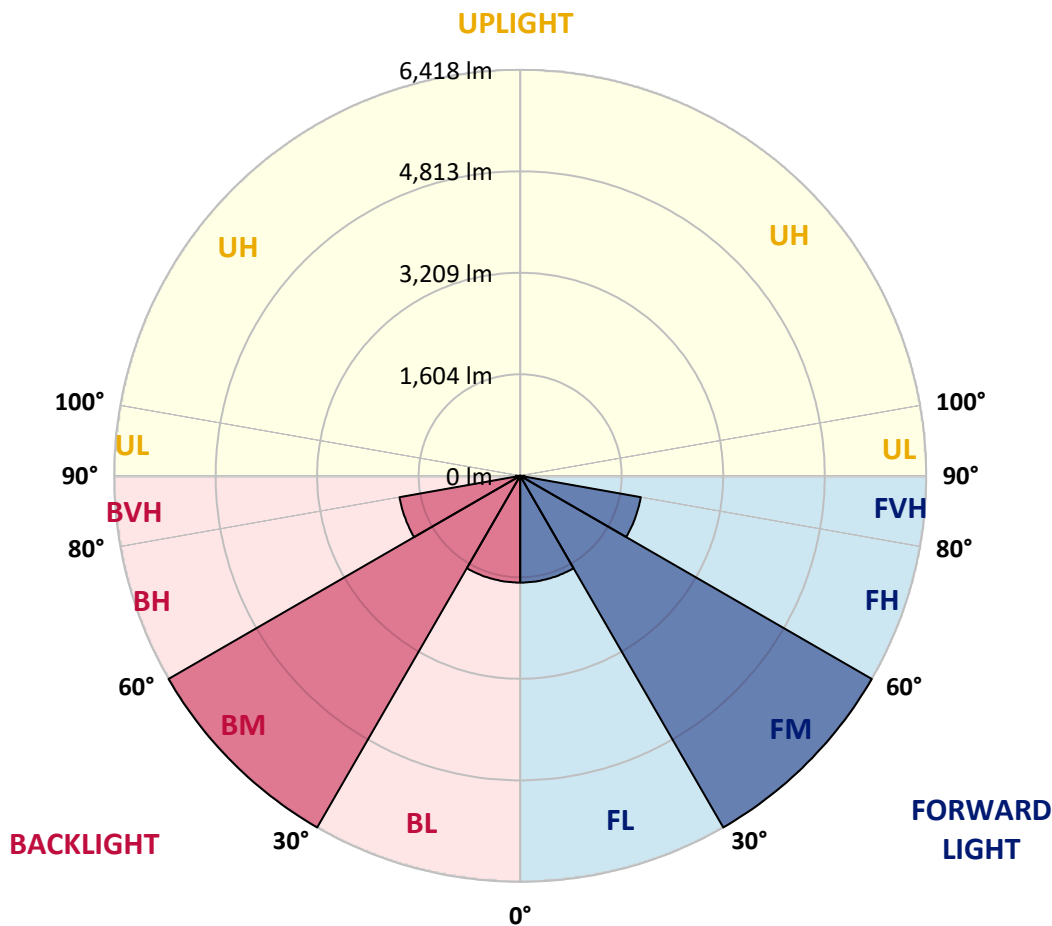
CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.2	8.3			
FM (30°-60°)	6417.9	31.7			
FH (60°-80°)	1936.6	9.6			G2/5000
FVH (80°-90°)	67.3	0.3			G1/100
BL (0°-30°)	1687.2	8.3	B3/2500		
BM (30°-60°)	6417.9	31.7	B4/8500		
BH (60°-80°)	1936.6	9.6	B3/2500		G2/5000
BVH (80°-90°)	67.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P530020

CATALOG NUMBER: GALN-SA5B-727-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3905.2	3905.2	3905.2	3905.2	3905.2	3905.2	3905.2	3905.2	3905.2	3905.2	3905.2
2.5°	3881.8	3910.3	3889.6	3907.7	3905.2	3897.4	3884.4	3876.6	3866.3	3881.8	3855.9
5°	3866.3	3889.6	3912.9	3881.8	3881.8	3866.3	3858.5	3843.0	3843.0	3840.4	3837.8
7.5°	3892.2	3868.9	3858.5	3863.7	3868.9	3835.2	3858.5	3827.4	3801.5	3819.6	3840.4
10°	3868.9	3879.2	3840.4	3858.5	3830.0	3835.2	3819.6	3840.4	3811.9	3811.9	3811.9
12.5°	3892.2	3863.7	3876.6	3863.7	3855.9	3811.9	3832.6	3809.3	3806.7	3832.6	3809.3
15°	3938.8	3892.2	3881.8	3855.9	3863.7	3863.7	3843.0	3845.5	3817.0	3832.6	3837.8
17.5°	3923.3	3897.4	3889.6	3858.5	3884.4	3892.2	3853.3	3827.4	3845.5	3843.0	3840.4
20°	3936.2	3946.6	3938.8	3944.0	3954.4	3933.7	3897.4	3861.1	3837.8	3871.5	3868.9
22.5°	4019.2	4008.8	4003.6	3998.4	4016.6	4037.3	3988.1	3931.1	3931.1	3954.4	3964.8
25°	4086.5	4084.0	4081.4	4104.7	4166.9	4166.9	4104.7	4032.1	4014.0	4029.5	4016.6
27.5°	4185.0	4213.5	4203.2	4244.6	4335.3	4356.0	4273.1	4187.6	4138.4	4120.2	4143.6
30°	4410.5	4376.8	4384.5	4428.6	4508.9	4576.3	4449.3	4358.6	4291.3	4288.7	4299.0
32.5°	4560.8	4586.7	4610.0	4651.5	4778.4	4830.3	4677.4	4529.7	4488.2	4464.9	4472.7
35°	4861.4	4838.0	4832.9	4874.3	5001.3	5086.8	4895.0	4765.5	4711.1	4762.9	4762.9
37.5°	5146.4	5081.6	5032.4	5086.8	5203.4	5213.8	5050.5	4980.6	4952.1	5011.7	5009.1
40°	5281.2	5276.0	5162.0	5193.0	5348.5	5364.1	5211.2	5128.3	5123.1	5200.8	5278.6
42.5°	5421.1	5371.8	5257.8	5278.6	5374.4	5379.6	5234.5	5211.2	5268.2	5343.3	5348.5
45°	5444.4	5402.9	5330.4	5278.6	5348.5	5364.1	5278.6	5294.1	5299.3	5390.0	5390.0
47.5°	5491.1	5485.9	5444.4	5405.5	5418.5	5405.5	5351.1	5374.4	5452.2	5496.2	5475.5
50°	5620.6	5566.2	5607.7	5574.0	5576.6	5612.8	5563.6	5586.9	5571.4	5532.5	5506.6
52.5°	5905.7	5879.8	5916.0	5939.4	5965.3	6048.2	5991.2	5866.8	5750.2	5646.5	5643.9
55°	6322.9	6341.0	6411.0	6530.2	6631.2	6763.4	6488.7	6190.7	6004.1	5840.9	5851.2
57.5°	6716.8	6703.8	6799.7	7071.8	7367.2	7434.6	6895.6	6470.6	6167.4	6063.7	6019.7
59°	6400.6	6462.8	6680.5	6983.7	7447.5	7546.0	6841.1	6242.5	5921.2	5711.3	5747.6
60°	5903.1	5926.4	6120.7	6543.1	7170.2	7338.7	6475.8	5890.1	5462.5	5340.8	5395.2
62.5°	4172.1	4153.9	4293.9	4638.5	5200.8	5428.9	4814.7	4402.7	4133.2	3998.4	4029.5
65°	2218.2	2301.1	2358.1	2573.2	2871.2	3112.2	2858.2	2679.4	2529.1	2417.7	2415.1
67.5°	1497.8	1487.4	1500.4	1549.6	1650.7	1718.1	1712.9	1622.2	1609.2	1588.5	1611.8
70°	1262.0	1256.8	1233.5	1233.5	1254.2	1269.8	1287.9	1298.3	1319.0	1344.9	1342.3
72.5°	1023.6	1010.6	995.1	987.3	1013.2	1021.0	1044.3	1054.7	1072.8	1070.2	1093.5
75°	676.3	676.3	694.5	715.2	723.0	738.5	741.1	772.2	772.2	777.4	756.7
77.5°	378.3	368.0	380.9	401.7	419.8	448.3	476.8	500.1	513.1	507.9	507.9
80°	220.3	220.3	233.2	256.5	279.9	305.8	326.5	344.6	357.6	352.4	342.1
82.5°	137.3	137.3	150.3	173.6	191.8	207.3	235.8	259.1	274.7	269.5	256.5
85°	70.0	70.0	85.5	101.1	124.4	134.7	132.2	121.8	119.2	106.2	106.2
87.5°	18.1	18.1	25.9	28.5	23.3	25.9	25.9	25.9	25.9	25.9	28.5
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)