

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: P533292

Luminaire Tested: **GALN-SA8D-727-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-727-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46112 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

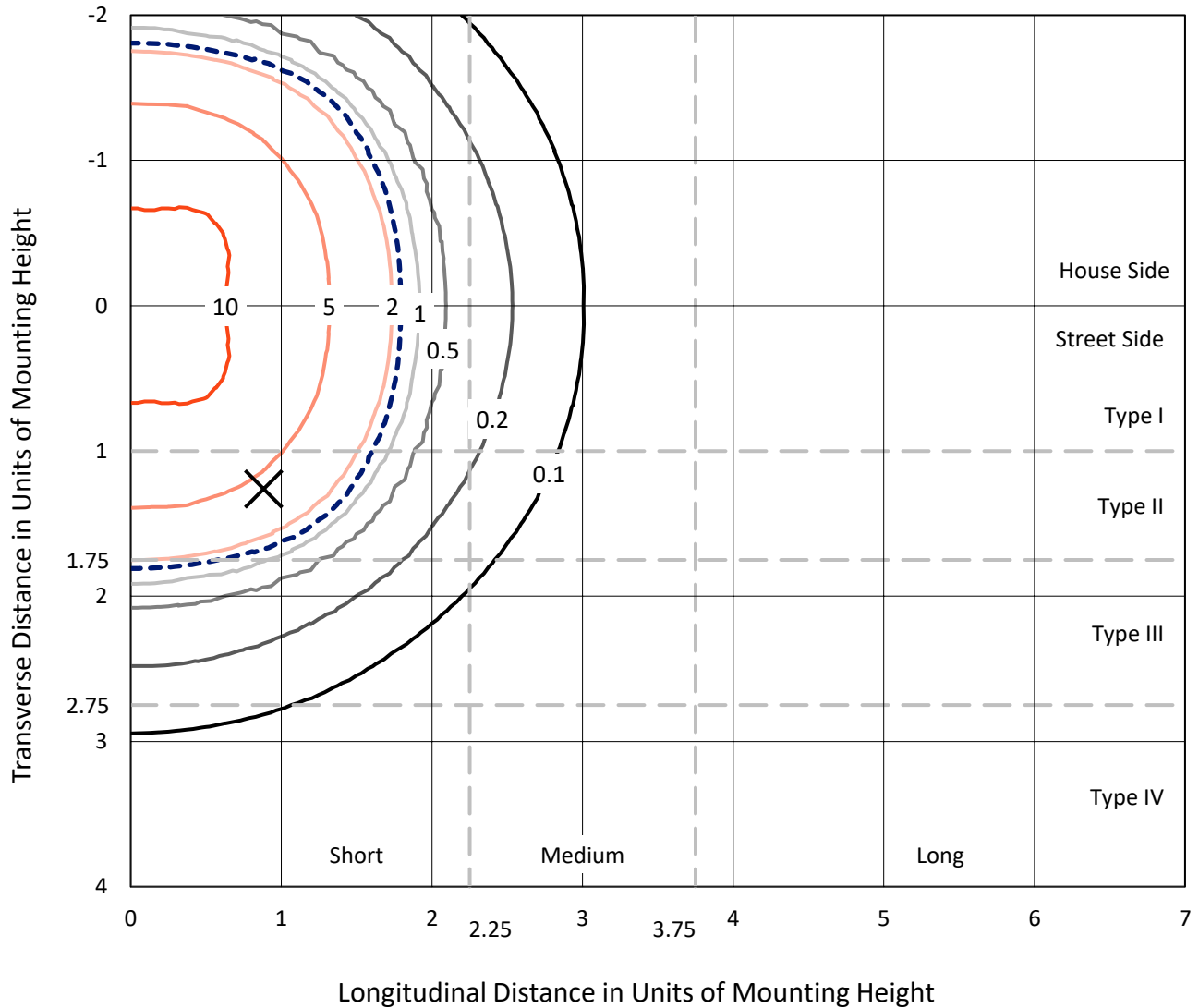
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533292
 CATALOG NUMBER: GALN-SA8D-727-U-5MQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

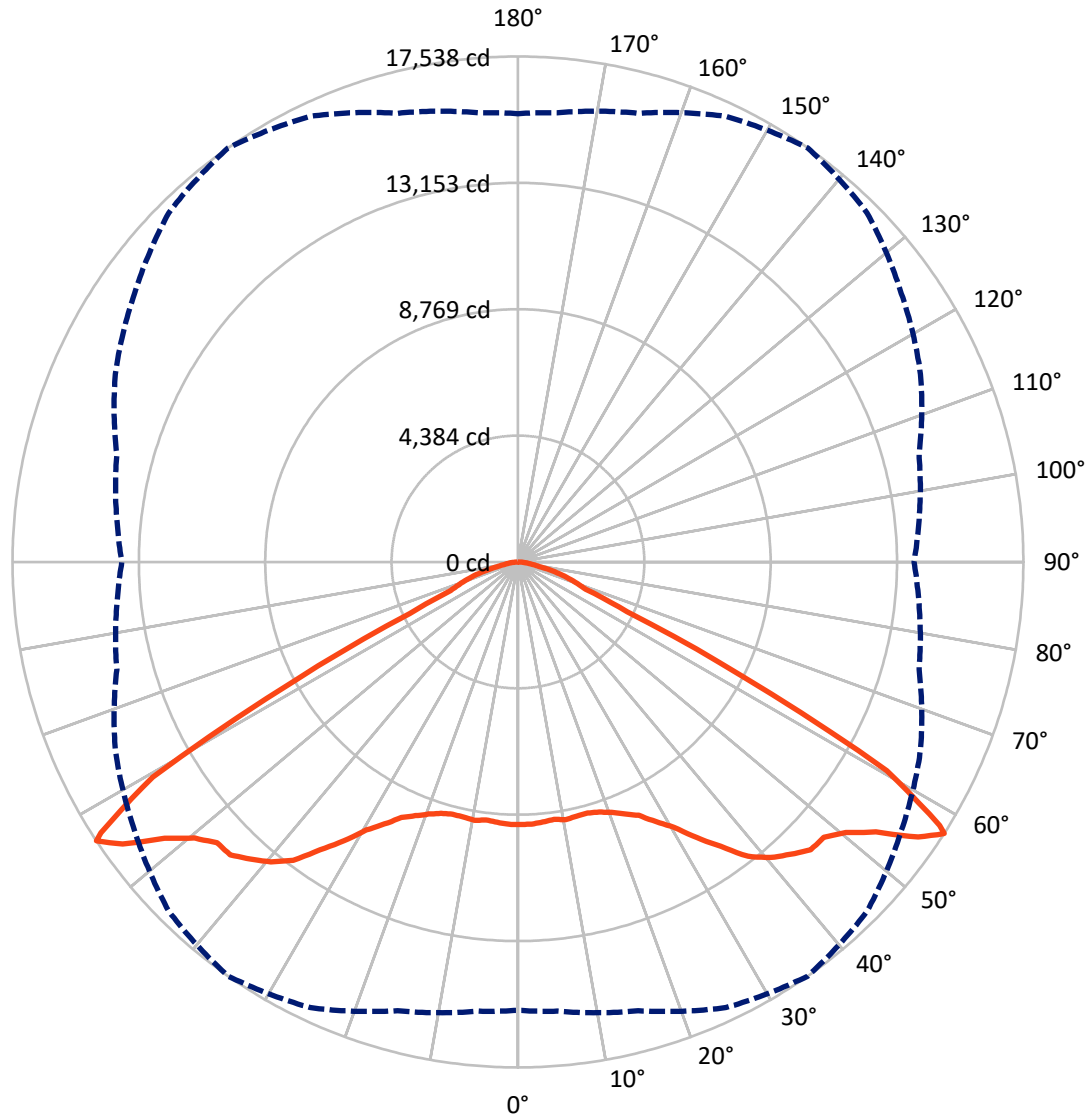
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type V - Short - N/A

REPORT NUMBER: P533292
CATALOG NUMBER: GALN-SA8D-727-U-5MQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P533292
 CATALOG NUMBER: GALN-SA8D-727-U-5MQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23056.0	0.0	23056.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23056.0	0.0	23056.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46112.0	0.0	46112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.3	1.9
10°-20°	2557.0	5.5
20°-30°	4465.8	9.7
30°-40°	7317.3	15.9
40°-50°	10729.0	23.3
50°-60°	13514.0	29.3
60°-70°	5082.5	11.0
70°-80°	1351.4	2.9
80°-90°	231.7	0.5
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°	46112.0	100.0
0°-180°	46112.0	100.0

Coefficient of Utilization

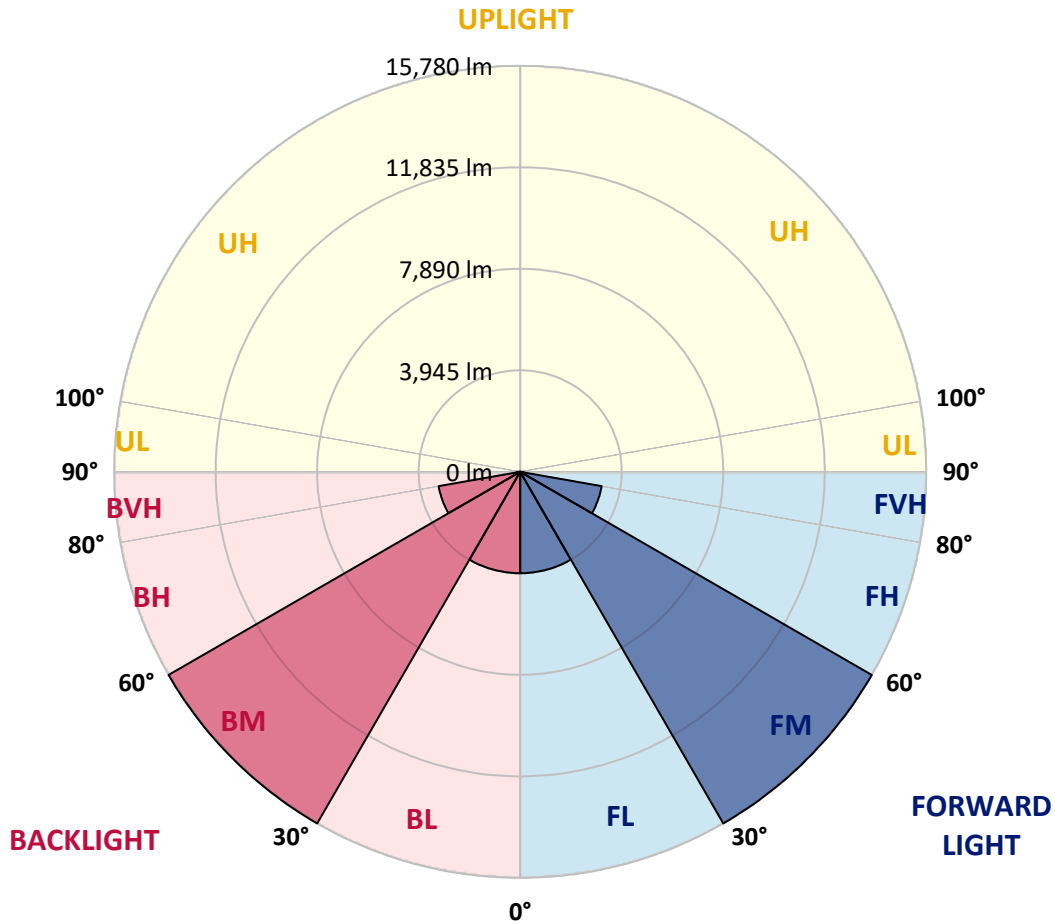


REPORT NUMBER: P533292
 CATALOG NUMBER: GALN-SA8D-727-U-5MQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3943.1	8.6			
FM (30°-60°)	15780.1	34.2			
FH (60°-80°)	3216.9	7.0			G2/5000
FVH (80°-90°)	115.9	0.3			G2/225
BL (0°-30°)	3943.1	8.6	B4/5000		
BM (30°-60°)	15780.1	34.2	B5		
BH (60°-80°)	3216.9	7.0	B4/5000		G2/5000
BVH (80°-90°)	115.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





REPORT NUMBER: P533292

CATALOG NUMBER: GALN-SA8D-727-U-5MQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9106.8	9106.8	9106.8	9106.8	9106.8	9106.8	9106.8	9106.8	9106.8	9106.8	9106.8
2.5°	9061.3	9152.2	9112.5	9089.7	9106.8	9078.4	9032.9	9084.1	9072.7	9027.2	9010.2
5°	9038.6	9106.8	9061.3	9106.8	9061.3	9140.9	9118.1	9032.9	9135.2	9038.6	9072.7
7.5°	9021.6	9044.3	9055.7	9032.9	9015.9	9112.5	9061.3	9021.6	8964.8	8947.7	8976.1
10°	8981.8	9038.6	8953.4	9067.0	9089.7	9021.6	9021.6	8947.7	8902.3	8873.9	8970.4
12.5°	9084.1	8987.5	8976.1	9032.9	9050.0	9078.4	8998.8	8959.1	8873.9	8885.2	8868.2
15°	8964.8	9004.5	9010.2	9021.6	9038.6	9106.8	9032.9	8947.7	8913.6	8794.3	8805.7
17.5°	9010.2	8970.4	9010.2	9140.9	9118.1	9169.3	9089.7	8959.1	8879.5	8811.4	8902.3
20°	9089.7	9072.7	9089.7	9248.8	9277.2	9322.7	9254.5	9135.2	8981.8	8902.3	8947.7
22.5°	9175.0	9163.6	9175.0	9328.3	9493.1	9549.9	9481.7	9203.4	9123.8	8976.1	8925.0
25°	9328.3	9339.7	9459.0	9629.4	9737.4	9845.3	9720.3	9521.5	9265.9	9175.0	9067.0
27.5°	9669.2	9697.6	9765.8	10015.8	10203.2	10299.8	10123.7	9851.0	9691.9	9504.5	9476.1
30°	10089.6	10089.6	10208.9	10424.8	10680.4	10828.1	10612.3	10288.4	10095.3	9993.0	9930.5
32.5°	10646.4	10583.9	10629.3	11009.9	11407.6	11532.6	11242.9	10845.2	10538.4	10402.1	10356.6
35°	11123.6	11163.3	11265.6	11674.6	12117.8	12407.5	11953.0	11436.0	11123.6	10998.6	10975.9
37.5°	11742.8	11811.0	11862.1	12424.5	12958.6	13066.5	12629.1	12214.3	11833.7	11731.4	11674.6
40°	12617.7	12572.2	12589.3	13004.0	13486.9	13555.1	13123.3	12827.9	12515.4	12452.9	12452.9
42.5°	13339.2	13288.1	13344.9	13498.3	13867.5	13816.4	13577.8	13361.9	13231.2	13163.1	13231.2
45°	13776.6	13765.3	13867.5	13981.2	14242.5	14072.0	13884.6	13918.7	13793.7	13680.1	13674.4
47.5°	14253.8	14180.0	14305.0	14475.4	14276.6	14197.0	14185.7	14259.5	14219.8	14020.9	13958.4
50°	14486.8	14458.4	14657.2	14856.0	14748.1	14566.3	14606.1	14725.4	14214.1	13947.1	13793.7
52.5°	15111.7	15117.4	15498.0	15605.9	15560.5	15293.5	15378.7	15054.9	14452.7	14077.7	14094.8
55°	16094.5	16054.7	16480.8	16799.0	16850.1	16509.2	16100.2	15645.7	14890.1	14509.5	14395.9
57°	15554.8	15645.7	16117.2	17060.3	17537.5	17134.2	16242.2	15412.8	14407.2	13947.1	13742.5
57.5°	14833.3	14981.0	15799.1	16747.8	17247.8	17213.7	16066.1	14981.0	14083.4	13367.6	13384.6
60°	10867.9	10896.3	11634.9	13140.4	14702.6	14736.7	13339.2	11901.9	10902.0	10123.7	10231.6
62.5°	5732.2	5862.9	6158.3	7368.4	8720.5	9050.0	8203.5	7464.9	6601.4	6010.6	6067.4
65°	3033.7	3016.7	3158.7	3499.5	4164.2	4334.7	4221.0	3635.9	3334.8	3238.2	3243.9
67.5°	2465.6	2494.0	2477.0	2494.0	2539.4	2613.3	2596.3	2619.0	2636.0	2664.4	2658.7
70°	2090.6	2090.6	2102.0	2107.7	2107.7	2141.8	2181.5	2255.4	2261.1	2289.5	2300.8
72.5°	1647.5	1636.2	1653.2	1693.0	1698.6	1727.1	1783.9	1829.3	1846.4	1846.4	1812.3
75°	1119.2	1130.5	1153.3	1187.3	1221.4	1272.6	1318.0	1346.4	1357.8	1340.7	1323.7
77.5°	630.6	642.0	659.0	710.1	749.9	795.4	846.5	874.9	903.3	909.0	874.9
80°	375.0	375.0	403.4	443.1	488.6	534.0	579.5	613.6	624.9	624.9	607.9
82.5°	227.2	232.9	255.6	295.4	335.2	363.6	403.4	431.8	454.5	448.8	437.4
85°	119.3	119.3	142.0	176.1	204.5	232.9	232.9	215.9	204.5	176.1	164.8
87.5°	39.8	34.1	45.4	45.4	39.8	45.4	45.4	51.1	51.1	51.1	51.1
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)