

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: P459268

Luminaire Tested: **GALN-SA7C-735-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47606 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

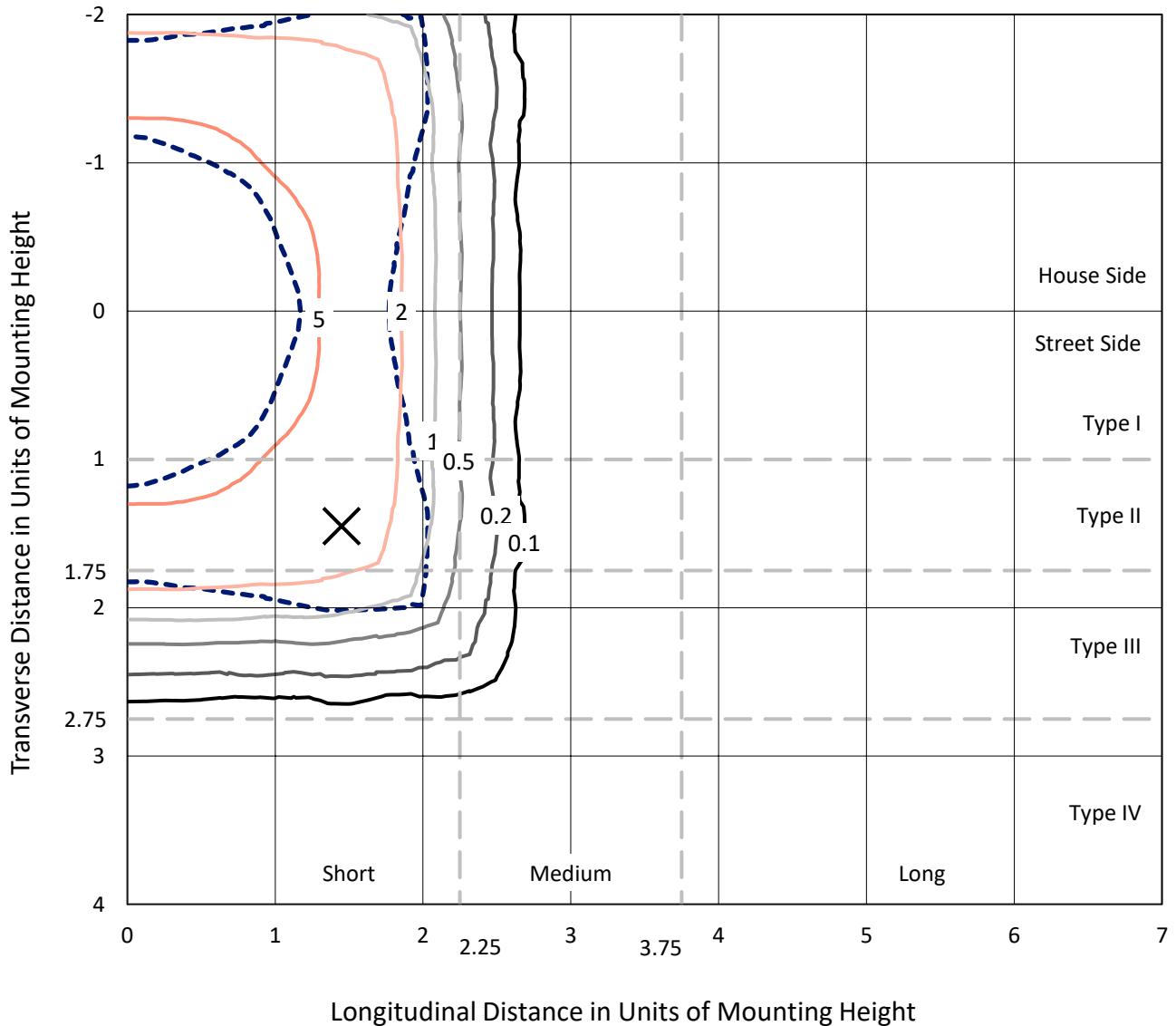
Input Watts (W): 377
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459268
 CATALOG NUMBER: GALN-SA7C-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

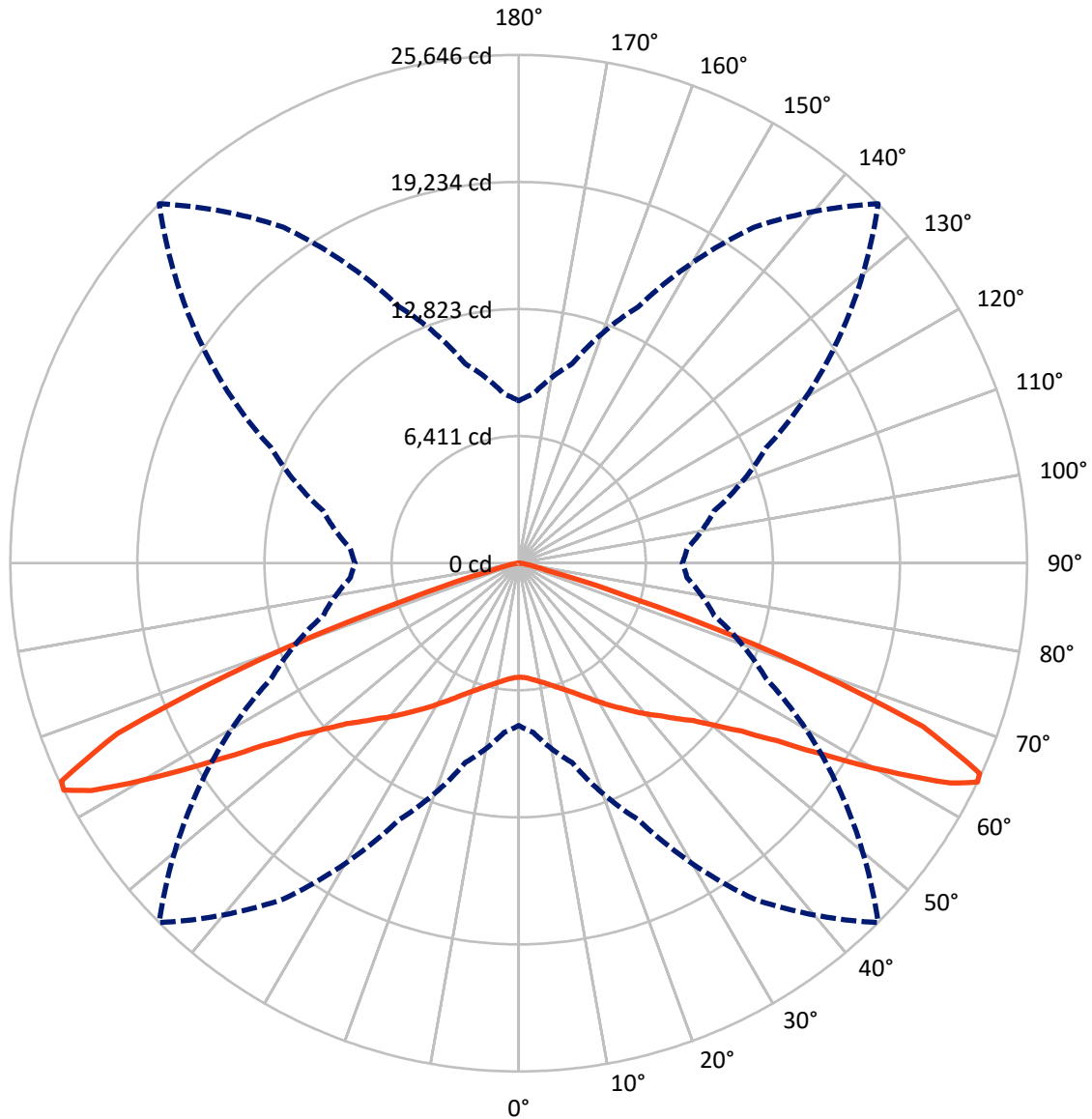
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

REPORT NUMBER: P459268
CATALOG NUMBER: GALN-SA7C-735-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23803.0	0.0	23803.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23803.0	0.0	23803.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	47606.0	0.0	47606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.3	1.2
10°-20°	1823.4	3.8
20°-30°	3445.8	7.2
30°-40°	5706.5	12.0
40°-50°	8908.8	18.7
50°-60°	13772.9	28.9
60°-70°	11876.2	24.9
70°-80°	1345.9	2.8
80°-90°	161.2	0.3
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°	47606.0	100.0
0°-180°	47606.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459268

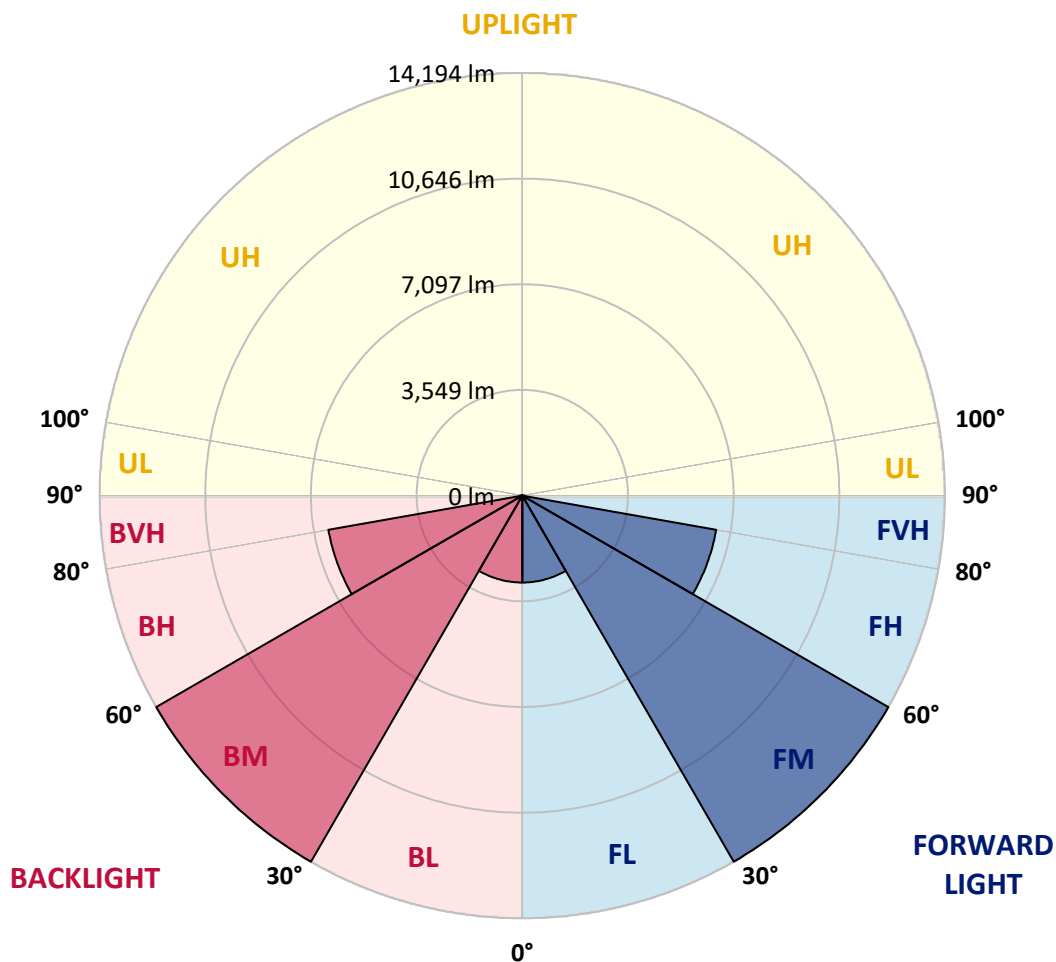
CATALOG NUMBER: GALN-SA7C-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2917.2	6.1			
FM (30°-60°)	14194.1	29.8			
FH (60°-80°)	6611.0	13.9			G3/7500
FVH (80°-90°)	80.6	0.2			G1/100
BL (0°-30°)	2917.2	6.1	B4/5000		
BM (30°-60°)	14194.1	29.8	B5		
BH (60°-80°)	6611.0	13.9	B5		G3/7500
BVH (80°-90°)	80.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P459268

CATALOG NUMBER: GALN-SA7C-735-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5754.0	5754.0	5754.0	5754.0	5754.0	5754.0	5754.0	5754.0	5754.0	5754.0	5754.0
2.5°	5776.7	5789.3	5779.2	5776.7	5774.2	5774.2	5774.2	5776.7	5786.8	5794.3	5789.3
5°	5849.8	5859.9	5854.8	5852.3	5849.8	5852.3	5847.3	5844.8	5852.3	5852.3	5849.8
7.5°	5940.6	5953.2	5948.1	5953.2	5955.7	5958.2	5945.6	5935.5	5933.0	5940.6	5935.5
10°	6064.1	6074.2	6076.7	6079.3	6084.3	6081.8	6066.6	6049.0	6046.5	6044.0	6041.4
12.5°	6202.8	6210.4	6212.9	6223.0	6230.5	6233.1	6215.4	6200.3	6175.1	6180.1	6170.0
15°	6359.1	6374.3	6371.7	6386.9	6407.0	6412.1	6394.4	6369.2	6346.5	6333.9	6326.4
17.5°	6550.8	6560.9	6555.8	6570.9	6596.2	6608.8	6593.6	6560.9	6538.2	6510.4	6495.3
20°	6777.7	6795.4	6800.4	6800.4	6823.1	6835.7	6813.0	6802.9	6767.6	6747.4	6734.8
22.5°	7034.9	7042.5	7057.6	7072.7	7095.4	7090.4	7082.8	7067.7	7034.9	7017.2	6997.1
25°	7324.9	7332.4	7370.2	7403.0	7410.6	7405.5	7395.5	7387.9	7357.6	7317.3	7302.2
27.5°	7662.7	7677.9	7728.3	7758.6	7758.6	7761.1	7740.9	7766.1	7700.6	7652.6	7647.6
30°	8086.3	8096.4	8139.3	8169.6	8154.4	8141.8	8136.8	8162.0	8091.4	8005.7	7985.5
32.5°	8504.9	8540.2	8578.0	8643.6	8590.6	8567.9	8562.9	8580.5	8499.9	8404.0	8376.3
35°	8953.7	8978.9	9049.5	9105.0	9057.1	9004.2	9026.8	9082.3	8986.5	8857.9	8852.9
37.5°	9450.5	9473.1	9563.9	9621.9	9586.6	9495.8	9533.7	9599.2	9503.4	9344.6	9311.8
40°	9967.4	10015.3	10128.7	10189.2	10131.3	10010.2	10080.8	10151.4	10065.7	9881.6	9808.5
42.5°	10547.3	10622.9	10786.8	10817.1	10706.1	10542.2	10665.8	10779.3	10718.8	10506.9	10479.2
45°	11225.6	11271.0	11472.7	11538.2	11384.4	11180.2	11334.0	11540.8	11495.4	11250.8	11197.8
47.5°	11984.5	12027.4	12236.7	12335.0	12140.9	11866.0	12143.4	12413.2	12385.4	12123.2	12098.0
50°	12882.2	12892.3	13182.2	13293.2	13099.0	12862.0	13109.1	13444.5	13333.5	12998.2	12993.1
52.5°	13865.5	13878.1	14243.8	14458.1	14349.7	14082.4	14374.9	14579.1	14296.7	13858.0	13825.2
55°	14717.8	14780.8	15280.1	15849.9	15998.7	15804.5	15892.8	15797.0	15101.1	14485.8	14390.0
57.5°	15065.8	15189.3	15948.3	17012.3	17980.6	18268.0	17587.2	16674.5	15421.3	14551.4	14458.1
60°	14216.0	14349.7	15527.2	17546.9	20017.9	21266.0	19352.3	16823.2	14692.6	13469.7	13323.4
62.5°	11384.4	11422.2	13154.5	16288.7	21205.5	24438.0	20096.1	15554.9	12572.0	10910.4	10852.4
64°	8192.2	8580.5	10416.2	14281.6	20686.1	25645.8	19667.4	13777.3	10211.9	8530.1	8257.8
65°	6127.2	6233.1	8396.5	12196.3	19770.8	25555.1	18835.4	12077.8	8457.0	6528.1	6225.5
67.5°	2314.7	2327.3	3098.9	6079.3	14074.8	21987.2	14374.9	6570.9	3562.8	2576.9	2483.6
70°	960.7	978.3	1137.2	2044.9	6049.0	14117.7	6931.5	2370.2	1303.6	1056.5	1041.4
72.5°	703.5	713.6	761.5	907.7	1860.8	5796.9	2279.4	1006.1	764.0	683.3	675.8
75°	552.2	557.2	592.5	668.2	867.4	1606.2	948.1	690.9	582.5	524.5	519.4
77.5°	421.1	433.7	458.9	509.3	582.5	761.5	627.8	516.9	448.8	400.9	393.3
80°	290.0	305.1	353.0	373.2	390.8	494.2	428.6	390.8	350.5	292.5	274.8
82.5°	179.0	189.1	237.0	254.7	247.1	277.4	274.8	279.9	249.6	181.5	168.9
85°	93.3	98.3	128.6	133.6	123.6	113.5	141.2	163.9	153.8	103.4	100.9
87.5°	20.2	22.7	27.7	25.2	27.7	27.7	35.3	53.0	55.5	35.3	32.8
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)