

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: P459530

Luminaire Tested: **GALN-SA9D-735-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68375 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

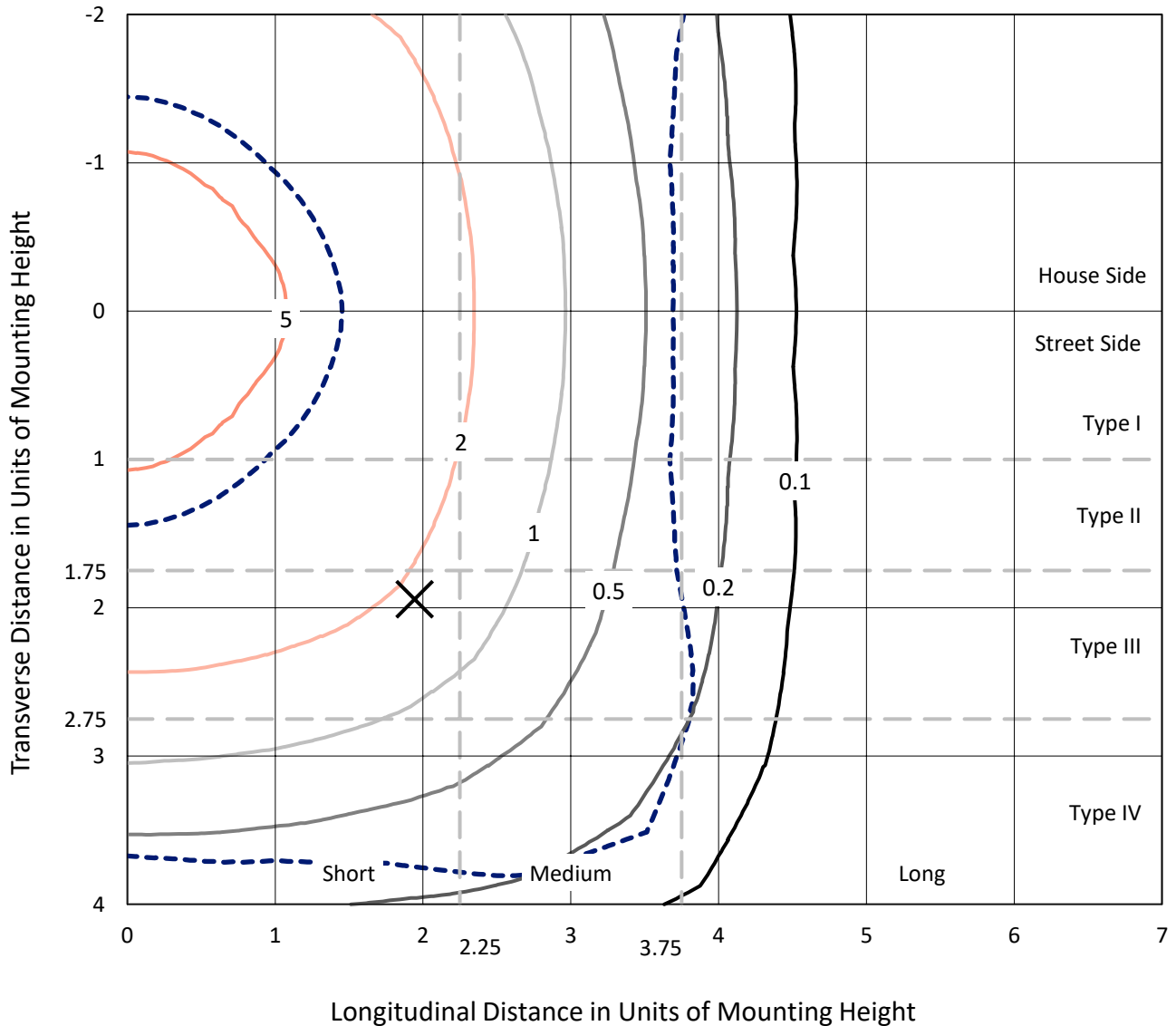
Input Watts (W): 552
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459530
 CATALOG NUMBER: GALN-SA9D-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

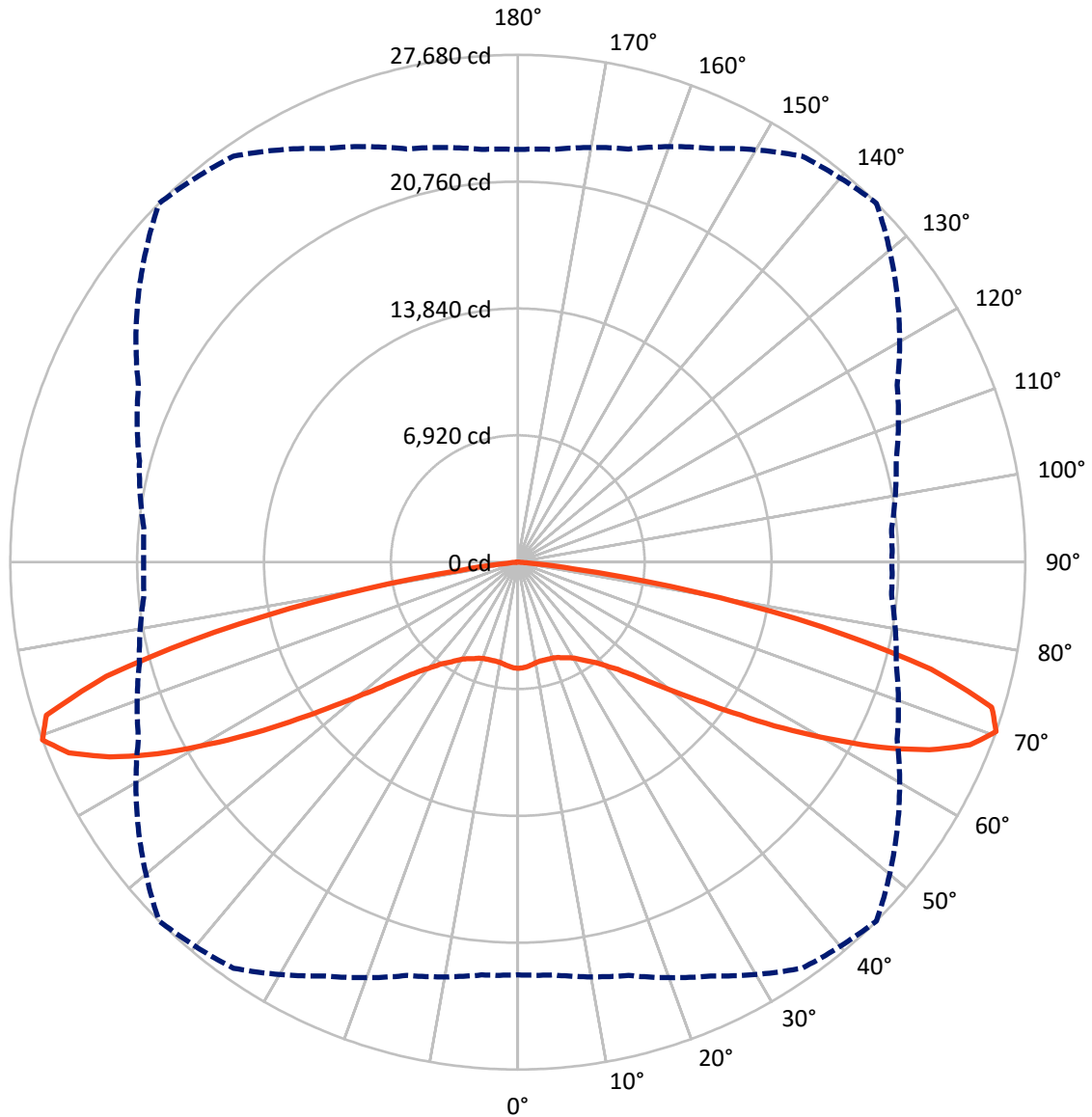
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P459530
CATALOG NUMBER: GALN-SA9D-735-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P459530

CATALOG NUMBER: GALN-SA9D-735-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34187.5	0.0	34187.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34187.5	0.0	34187.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	68375.0	0.0	68375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.4	0.8
10°-20°	1584.9	2.3
20°-30°	2700.2	3.9
30°-40°	4185.3	6.1
40°-50°	7044.5	10.3
50°-60°	12817.2	18.7
60°-70°	21699.1	31.7
70°-80°	16796.0	24.6
80°-90°	1006.4	1.5
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°	68375.0	100.0
0°-180°	68375.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459530

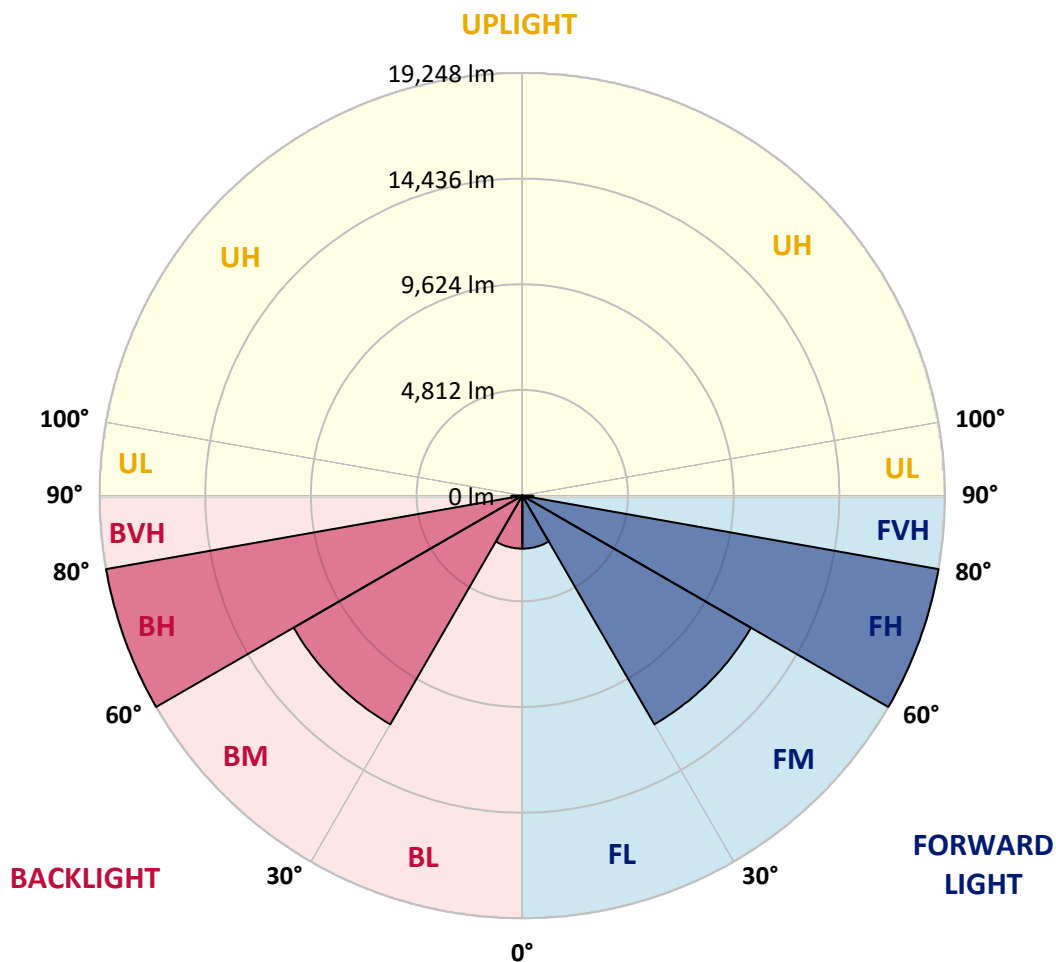
CATALOG NUMBER: GALN-SA9D-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2413.2	3.5			
FM (30°-60°)	12023.5	17.6			
FH (60°-80°)	19247.6	28.1			G5
FVH (80°-90°)	503.2	0.7			G4/750
BL (0°-30°)	2413.2	3.5	B3/2500		
BM (30°-60°)	12023.5	17.6	B5		
BH (60°-80°)	19247.6	28.1	B5		G5
BVH (80°-90°)	503.2	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





REPORT NUMBER: P459530
 CATALOG NUMBER: GALN-SA9D-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8	5788.8
2.5°	5774.3	5777.9	5777.9	5770.7	5767.1	5767.1	5763.5	5763.5	5774.3	5777.9	5781.6
5°	5723.8	5723.8	5723.8	5720.2	5712.9	5712.9	5705.7	5705.7	5709.3	5720.2	5712.9
7.5°	5655.2	5662.4	5662.4	5647.9	5637.1	5637.1	5633.5	5637.1	5640.7	5651.6	5647.9
10°	5633.5	5637.1	5619.1	5593.8	5575.7	5564.9	5568.5	5575.7	5593.8	5601.0	5604.6
12.5°	5647.9	5647.9	5615.4	5579.3	5546.8	5532.4	5528.8	5554.1	5586.6	5608.2	5615.4
15°	5666.0	5658.8	5619.1	5572.1	5539.6	5536.0	5532.4	5550.4	5597.4	5640.7	5644.3
17.5°	5676.8	5673.2	5622.7	5564.9	5546.8	5546.8	5543.2	5557.7	5608.2	5662.4	5666.0
20°	5712.9	5702.1	5644.3	5582.9	5568.5	5575.7	5564.9	5582.9	5637.1	5702.1	5716.6
22.5°	5785.2	5774.3	5716.6	5655.2	5647.9	5647.9	5644.3	5662.4	5720.2	5788.8	5799.6
25°	5871.8	5861.0	5806.8	5763.5	5770.7	5785.2	5777.9	5781.6	5828.5	5886.3	5904.3
27.5°	5987.4	5969.3	5922.4	5886.3	5908.0	5908.0	5908.0	5904.3	5933.2	5987.4	6005.5
30°	6128.2	6121.0	6070.5	6066.8	6084.9	6066.8	6066.8	6070.5	6074.1	6124.6	6142.7
32.5°	6312.4	6298.0	6272.7	6265.5	6316.0	6330.5	6279.9	6233.0	6258.2	6308.8	6319.6
35°	6615.7	6594.1	6558.0	6518.2	6558.0	6626.6	6518.2	6482.1	6547.1	6615.7	6623.0
37.5°	7027.4	7016.6	6958.8	6886.6	6883.0	6955.2	6843.3	6839.6	6962.4	7045.5	7056.3
40°	7543.8	7554.7	7482.4	7413.8	7377.7	7435.5	7348.8	7381.3	7500.5	7594.4	7587.2
42.5°	8269.7	8230.0	8118.0	8053.0	8013.3	7991.6	7970.0	8020.5	8154.1	8255.2	8334.7
45°	9118.3	9103.9	8963.0	8883.6	8796.9	8764.4	8757.2	8847.5	9010.0	9132.8	9143.6
47.5°	10078.9	10046.4	9956.1	9873.1	9840.6	9800.8	9764.7	9833.3	9995.8	10082.5	10107.8
50°	11068.4	11075.6	11075.6	11061.2	11093.7	11100.9	11003.4	11028.7	11118.9	11111.7	11104.5
52.5°	12198.7	12238.4	12426.2	12444.3	12599.5	12704.3	12527.3	12422.6	12390.1	12195.1	12209.5
55°	13527.6	13563.7	13845.4	14127.1	14546.0	14722.9	14351.0	14026.0	13794.8	13498.7	13513.2
57.5°	15185.2	15203.2	15470.5	16012.1	16676.6	17091.9	16438.3	15795.5	15326.0	15044.3	14932.4
60°	16969.1	16987.2	17377.2	18038.0	19070.8	19576.4	18767.5	17716.6	17124.4	16694.7	16723.5
62.5°	19110.6	19182.8	19533.1	20443.1	21696.2	22263.2	21190.6	19785.9	18984.2	18449.7	18471.4
65°	21403.7	21526.5	21909.3	22909.6	24065.2	24675.4	23361.0	21739.5	20742.8	20089.2	20157.8
67.5°	22891.5	22999.8	23552.4	24657.4	26098.3	26603.8	24906.6	23017.9	21772.0	20992.0	20847.6
70°	22512.3	22602.6	23339.3	24906.6	27040.8	27680.0	25274.9	22830.1	21364.0	20464.8	20407.0
72.5°	19872.5	19684.7	20760.9	23010.7	25964.7	27037.2	24115.7	20851.2	19005.8	18081.4	17973.0
75°	13170.1	13578.2	15167.1	17817.7	21967.0	23296.0	20583.9	16741.6	14419.6	13650.4	13531.2
77.5°	4402.1	4716.2	6128.2	10100.6	14975.7	16972.7	14997.4	10949.2	7746.1	6240.2	6269.1
80°	1166.4	1152.0	1491.4	2777.0	6471.3	9829.7	7533.0	3708.7	2029.5	1469.8	1393.9
82.5°	418.9	469.5	603.1	769.2	1715.3	3055.1	2155.9	1040.0	762.0	563.3	545.3
85°	184.2	180.6	260.0	307.0	429.7	570.6	505.6	440.6	386.4	256.4	238.3
87.5°	39.7	39.7	61.4	46.9	75.8	75.8	93.9	111.9	115.6	75.8	61.4
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)