

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: P459182

Luminaire Tested: **GALN-SA6D-735-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459182
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-SA6D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 44725 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

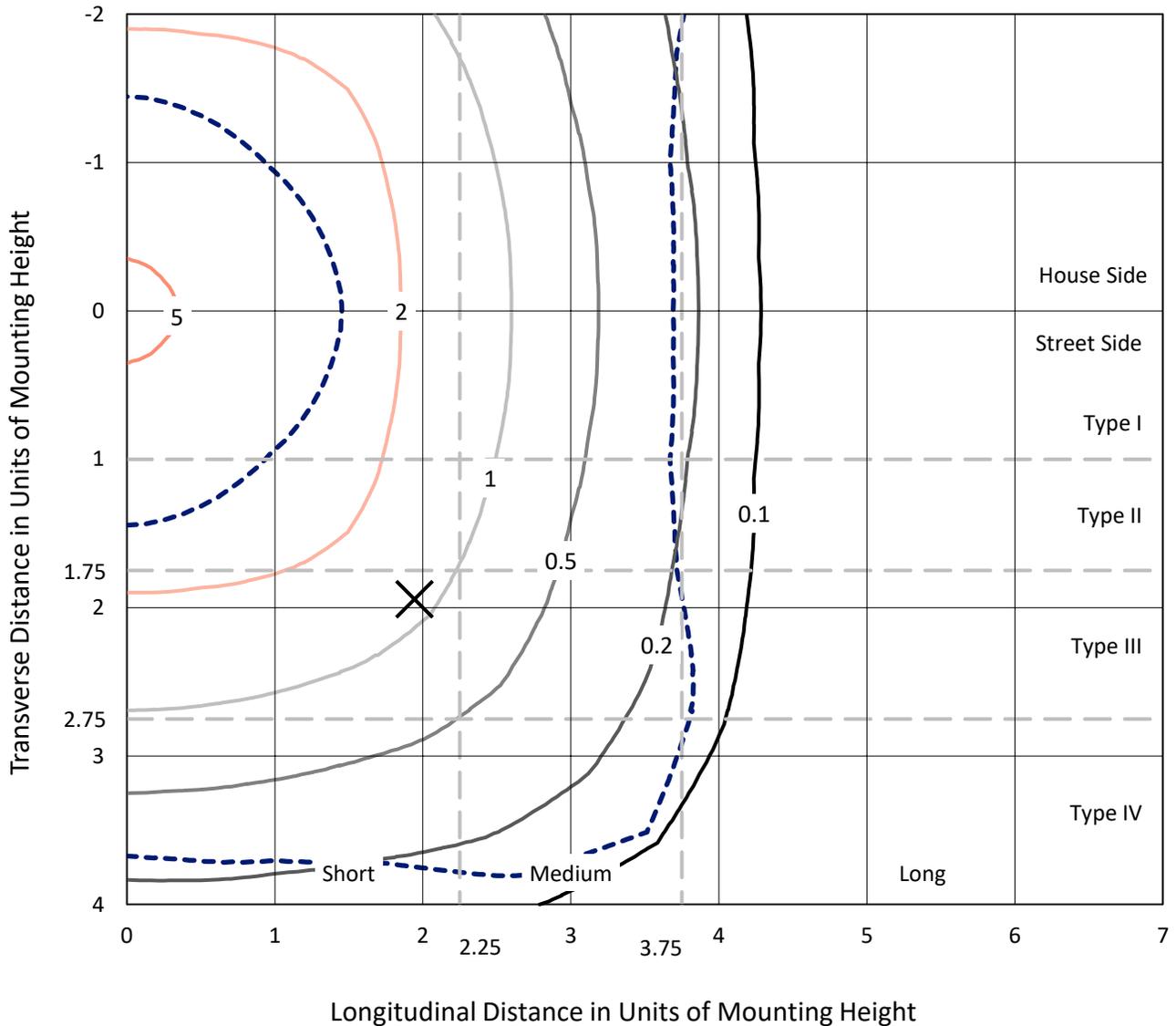
Input Watts (W): 368
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459182
 CATALOG NUMBER: GALN-SA6D-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

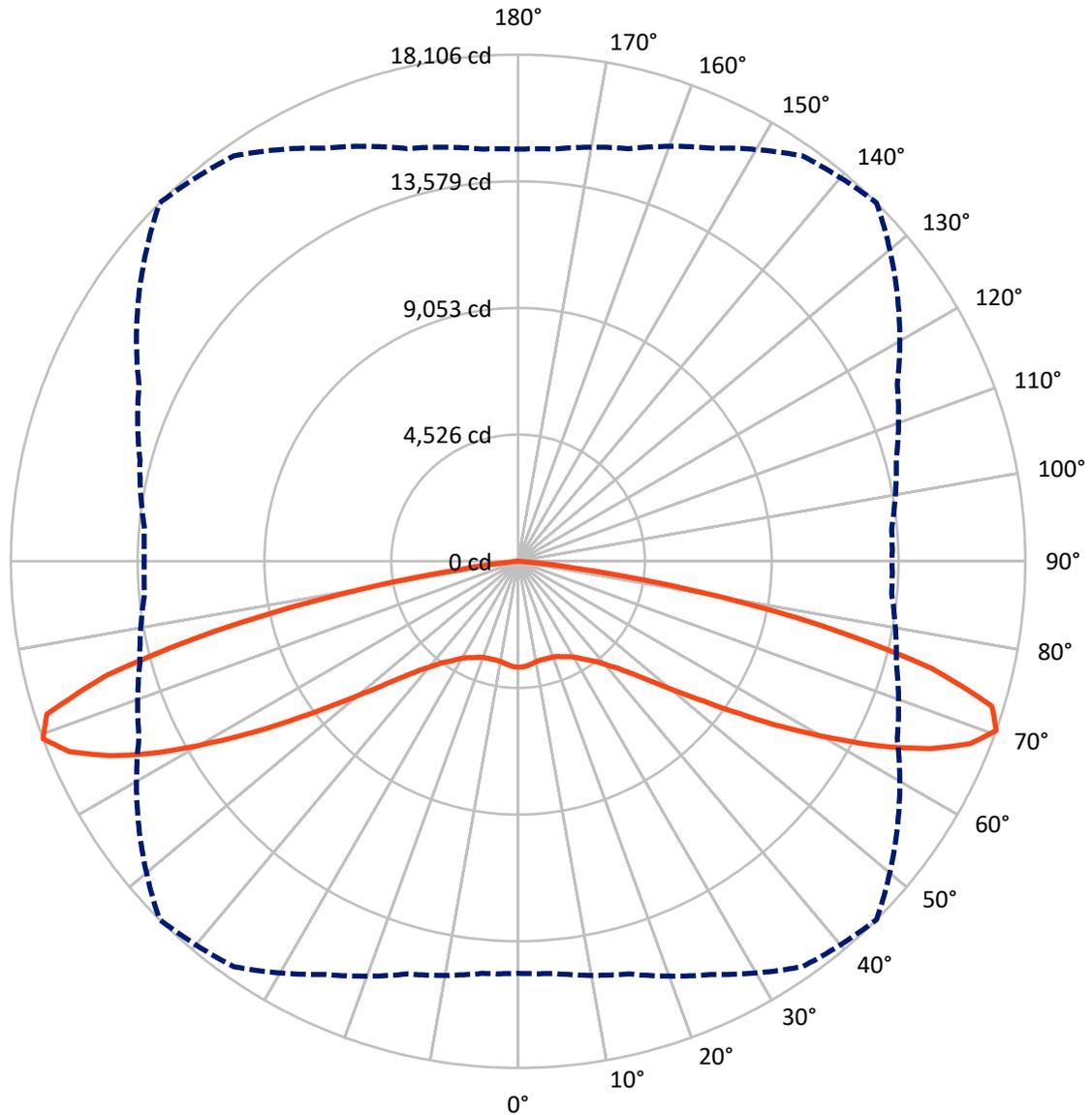
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P459182
CATALOG NUMBER: GALN-SA6D-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P459182

CATALOG NUMBER: GALN-SA6D-735-U-5WQ

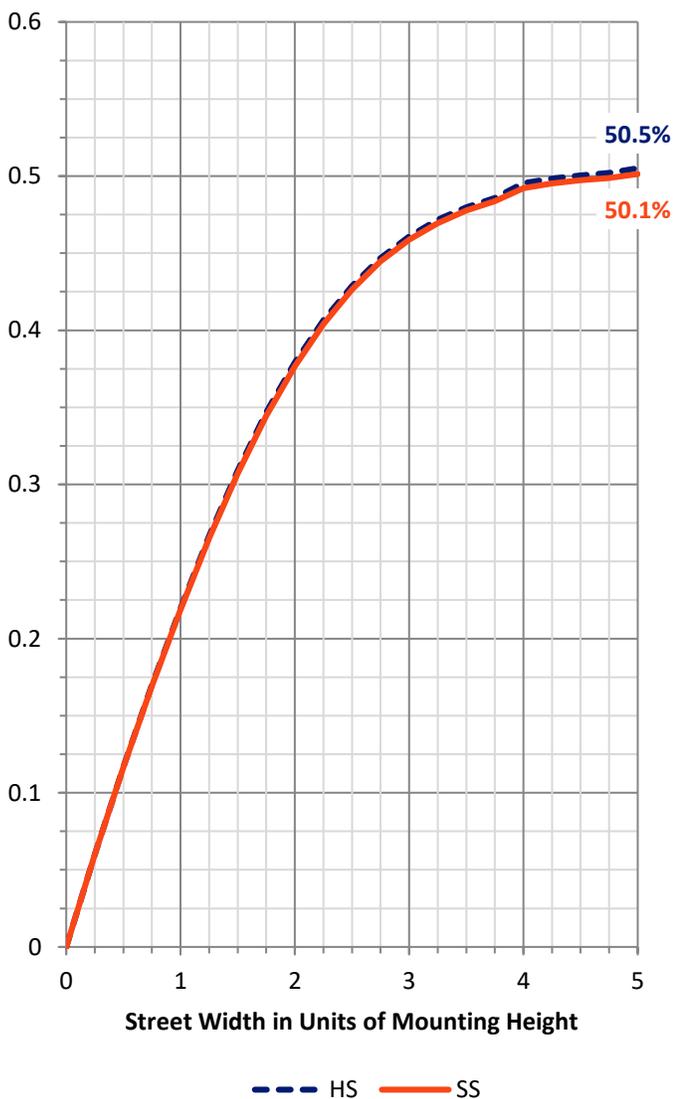
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22362.5	0.0	22362.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22362.5	0.0	22362.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44725.0	0.0	44725.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.1	0.8
10°-20°	1036.7	2.3
20°-30°	1766.3	3.9
30°-40°	2737.7	6.1
40°-50°	4607.9	10.3
50°-60°	8383.9	18.7
60°-70°	14193.7	31.7
70°-80°	10986.5	24.6
80°-90°	658.3	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°	44725.0	100.0
0°-180°	44725.0	100.0



REPORT NUMBER: P459182

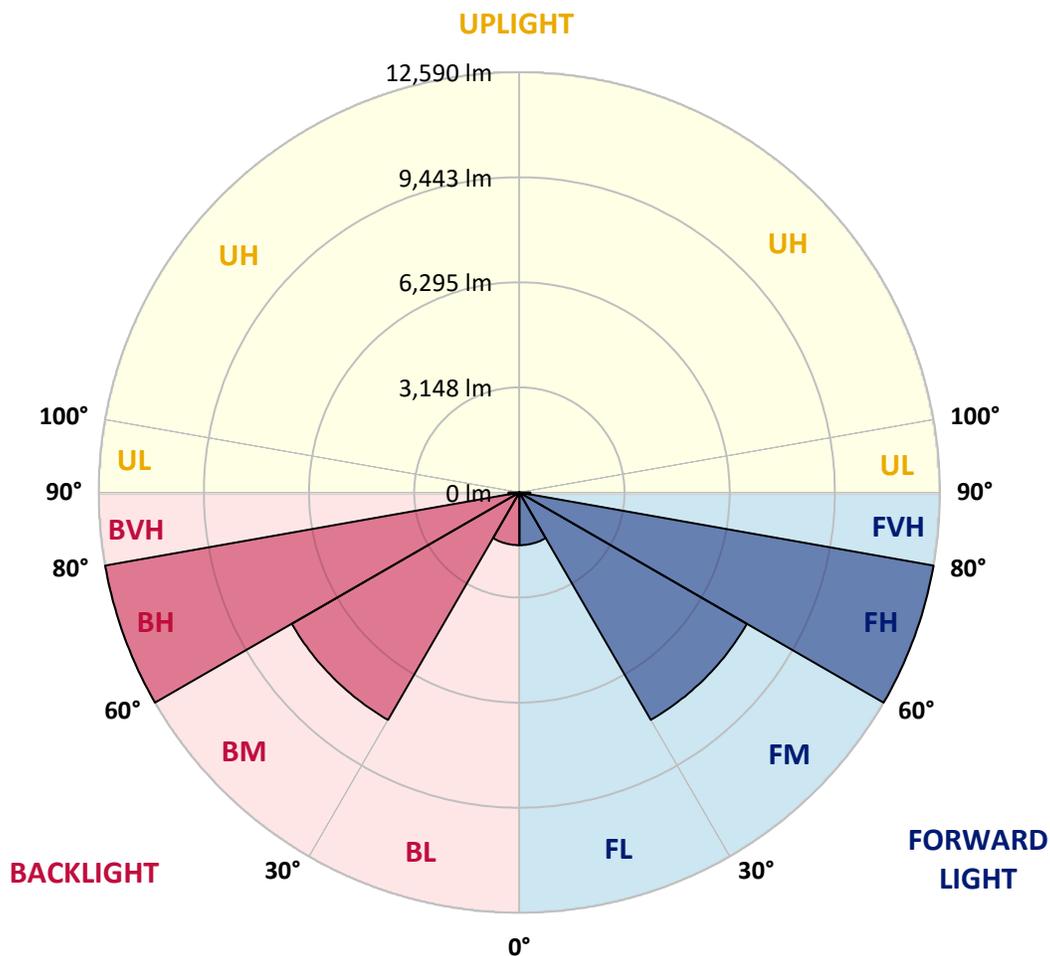
CATALOG NUMBER: GALN-SA6D-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1578.5	3.5			
FM (30°-60°)	7864.7	17.6			
FH (60°-80°)	12590.1	28.1			G5
FVH (80°-90°)	329.2	0.7			G3/500
BL (0°-30°)	1578.5	3.5	B3/2500		
BM (30°-60°)	7864.7	17.6	B4/8500		
BH (60°-80°)	12590.1	28.1	B5		G5
BVH (80°-90°)	329.2	0.7			G3/500
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: P459182

CATALOG NUMBER: GALN-SA6D-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3786.5	3786.5	3786.5	3786.5	3786.5	3786.5	3786.5	3786.5	3786.5	3786.5	3786.5
2.5°	3777.1	3779.4	3779.4	3774.7	3772.3	3772.3	3770.0	3770.0	3777.1	3779.4	3781.8
5°	3744.0	3744.0	3744.0	3741.6	3736.9	3736.9	3732.2	3732.2	3734.6	3741.6	3736.9
7.5°	3699.1	3703.8	3703.8	3694.4	3687.3	3687.3	3684.9	3687.3	3689.7	3696.8	3694.4
10°	3684.9	3687.3	3675.5	3659.0	3647.2	3640.1	3642.4	3647.2	3659.0	3663.7	3666.0
12.5°	3694.4	3694.4	3673.1	3649.5	3628.3	3618.8	3616.4	3633.0	3654.2	3668.4	3673.1
15°	3706.2	3701.5	3675.5	3644.8	3623.5	3621.2	3618.8	3630.6	3661.3	3689.7	3692.0
17.5°	3713.3	3710.9	3677.9	3640.1	3628.3	3628.3	3625.9	3635.3	3668.4	3703.8	3706.2
20°	3736.9	3729.8	3692.0	3651.9	3642.4	3647.2	3640.1	3651.9	3687.3	3729.8	3739.3
22.5°	3784.2	3777.1	3739.3	3699.1	3694.4	3694.4	3692.0	3703.8	3741.6	3786.5	3793.6
25°	3840.8	3833.8	3798.3	3770.0	3774.7	3784.2	3779.4	3781.8	3812.5	3850.3	3862.1
27.5°	3916.4	3904.6	3873.9	3850.3	3864.5	3864.5	3864.5	3862.1	3881.0	3916.4	3928.2
30°	4008.6	4003.8	3970.8	3968.4	3980.2	3968.4	3968.4	3970.8	3973.1	4006.2	4018.0
32.5°	4129.0	4119.6	4103.0	4098.3	4131.4	4140.8	4107.8	4077.1	4093.6	4126.7	4133.8
35°	4327.5	4313.3	4289.7	4263.7	4289.7	4334.5	4263.7	4240.1	4282.6	4327.5	4332.2
37.5°	4596.7	4589.6	4551.9	4504.6	4502.2	4549.5	4476.3	4473.9	4554.2	4608.5	4615.6
40°	4934.5	4941.6	4894.4	4849.5	4825.9	4863.7	4807.0	4828.2	4906.2	4967.6	4962.9
42.5°	5409.3	5383.3	5310.1	5267.6	5241.6	5227.4	5213.3	5246.3	5333.7	5399.9	5451.8
45°	5964.4	5955.0	5862.8	5810.9	5754.2	5732.9	5728.2	5787.3	5893.6	5973.9	5981.0
47.5°	6592.7	6571.5	6512.4	6458.1	6436.8	6410.9	6387.2	6432.1	6538.4	6595.1	6611.6
50°	7240.0	7244.7	7244.7	7235.3	7256.5	7261.2	7197.5	7214.0	7273.0	7268.3	7263.6
52.5°	7979.3	8005.3	8128.1	8140.0	8241.5	8310.0	8194.3	8125.8	8104.5	7977.0	7986.4
55°	8848.6	8872.2	9056.5	9240.7	9514.7	9630.5	9387.2	9174.6	9023.4	8829.7	8839.1
57.5°	9932.8	9944.6	10119.4	10473.8	10908.4	11180.0	10752.5	10332.0	10024.9	9840.7	9767.5
60°	11099.7	11111.5	11366.6	11798.9	12474.5	12805.2	12276.1	11588.7	11201.3	10920.2	10939.1
62.5°	12500.5	12547.7	12776.8	13372.1	14191.8	14562.6	13861.1	12942.2	12417.8	12068.2	12082.4
65°	14000.4	14080.7	14331.1	14985.4	15741.3	16140.5	15280.7	14220.1	13568.2	13140.6	13185.5
67.5°	14973.6	15044.5	15405.9	16128.7	17071.2	17401.9	16291.7	15056.3	14241.4	13731.2	13636.7
70°	14725.6	14784.7	15266.5	16291.7	17687.7	18105.8	16532.7	14933.5	13974.5	13386.3	13348.5
72.5°	12998.9	12876.1	13580.0	15051.6	16983.8	17685.4	15774.4	13639.0	12432.0	11827.3	11756.4
75°	8614.7	8881.7	9921.0	11654.8	14368.9	15238.2	13464.2	10950.9	9432.0	8928.9	8851.0
77.5°	2879.5	3085.0	4008.6	6606.9	9795.8	11102.1	9810.0	7162.0	5066.8	4081.8	4100.7
80°	763.0	753.5	975.6	1816.5	4233.0	6429.8	4927.4	2425.9	1327.5	961.4	911.8
82.5°	274.0	307.1	394.5	503.1	1122.0	1998.4	1410.2	680.3	498.4	368.5	356.7
85°	120.5	118.1	170.1	200.8	281.1	373.2	330.7	288.2	252.7	167.7	155.9
87.5°	26.0	26.0	40.2	30.7	49.6	49.6	61.4	73.2	75.6	49.6	40.2
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)