

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: P530304

Luminaire Tested: **GALN-SA5C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29541 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

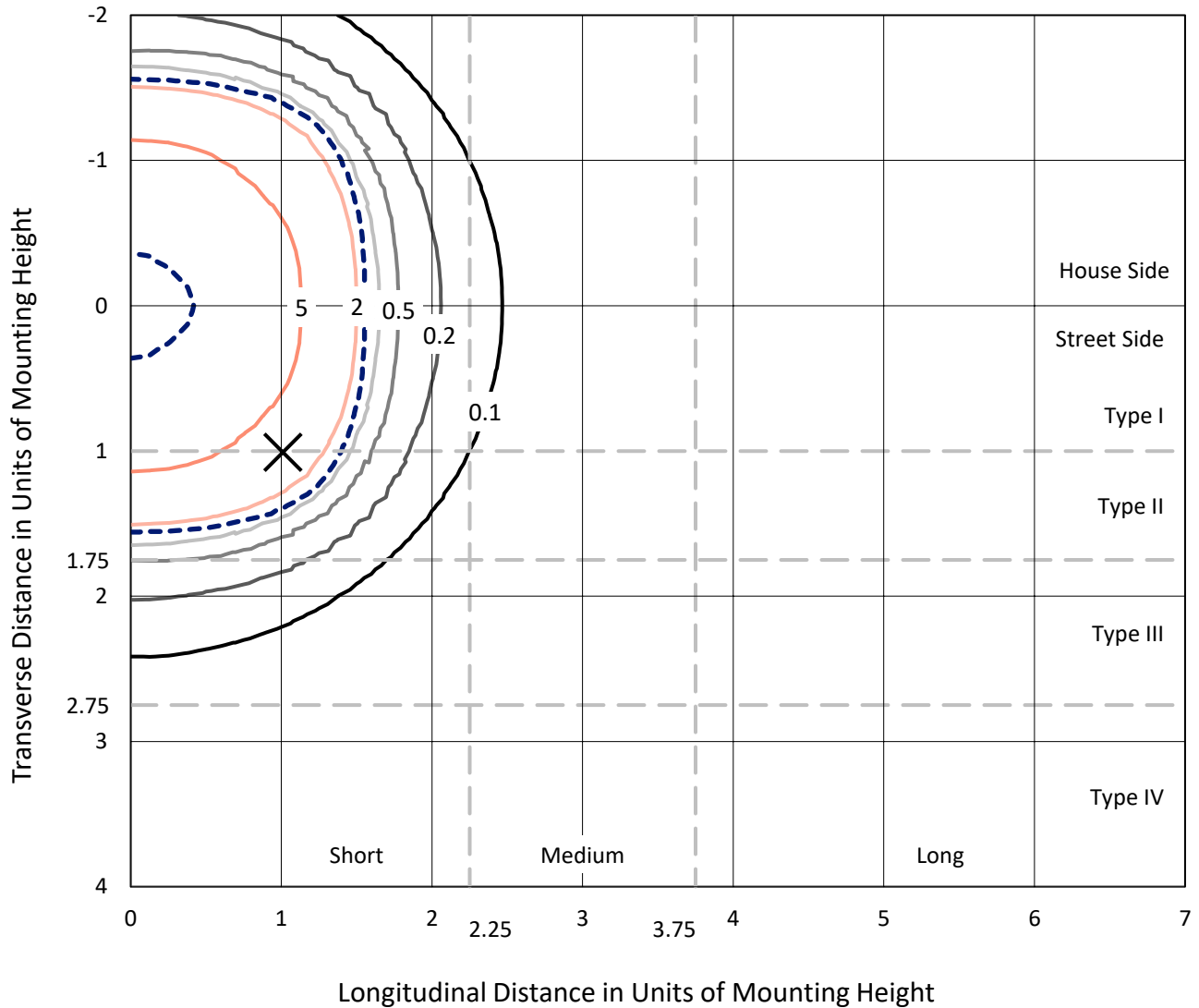
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530304
 CATALOG NUMBER: GALN-SA5C-735-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

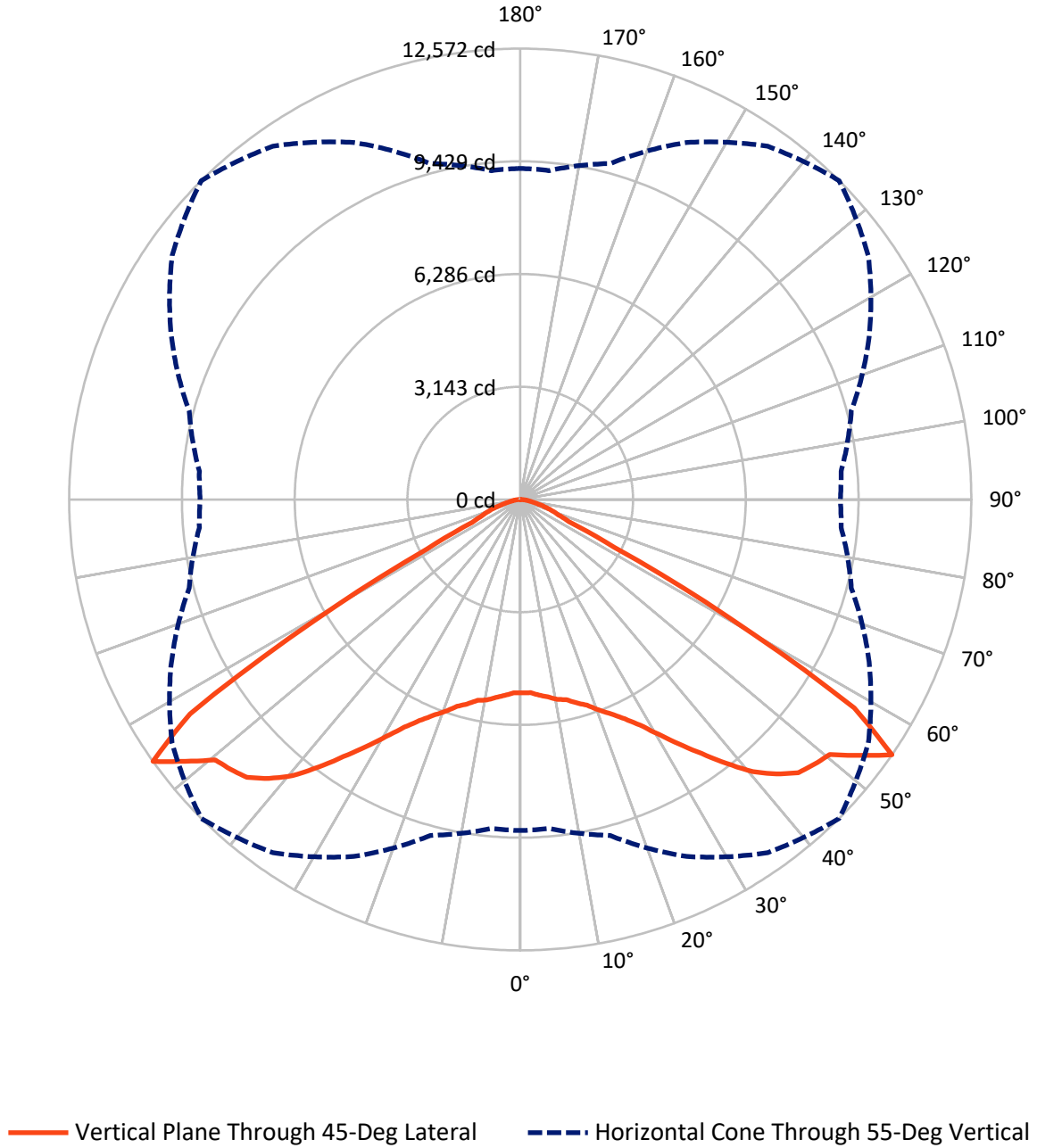
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

REPORT NUMBER: P530304
CATALOG NUMBER: GALN-SA5C-735-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P530304
 CATALOG NUMBER: GALN-SA5C-735-U-5NQ-GRSWH

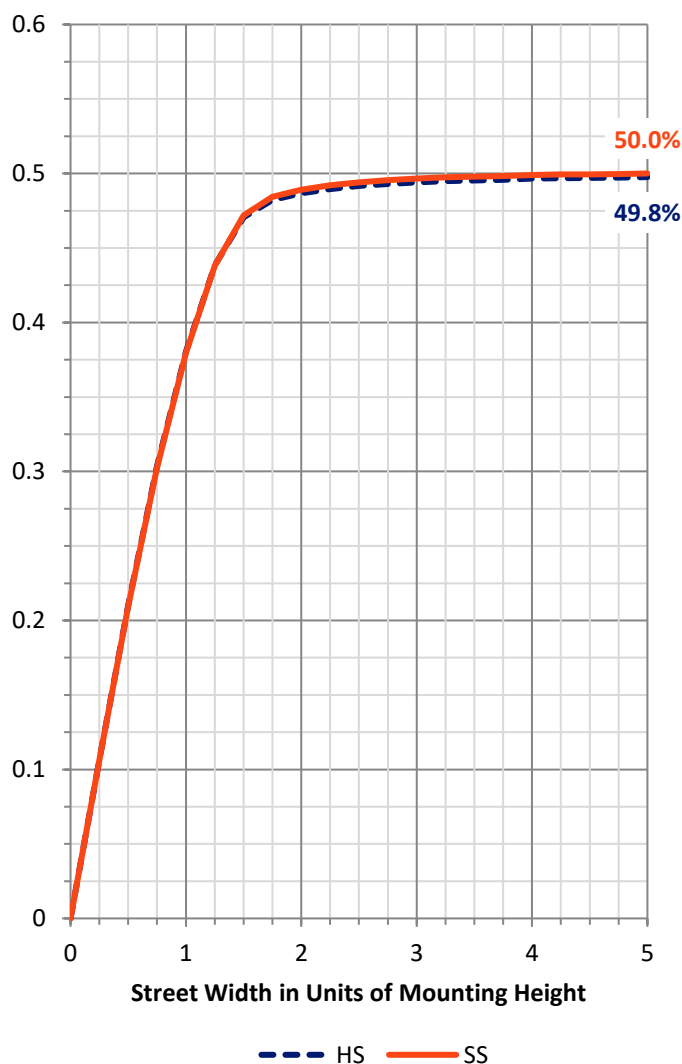
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14770.5	0.0	14770.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14770.5	0.0	14770.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29541.0	0.0	29541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.9	1.8
10°-20°	1669.5	5.7
20°-30°	3113.2	10.5
30°-40°	5212.5	17.6
40°-50°	8111.0	27.5
50°-60°	8421.7	28.5
60°-70°	1786.0	6.0
70°-80°	588.2	2.0
80°-90°	112.0	0.4
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°	29541.0	100.0
0°-180°	29541.0	100.0

Coefficient of Utilization

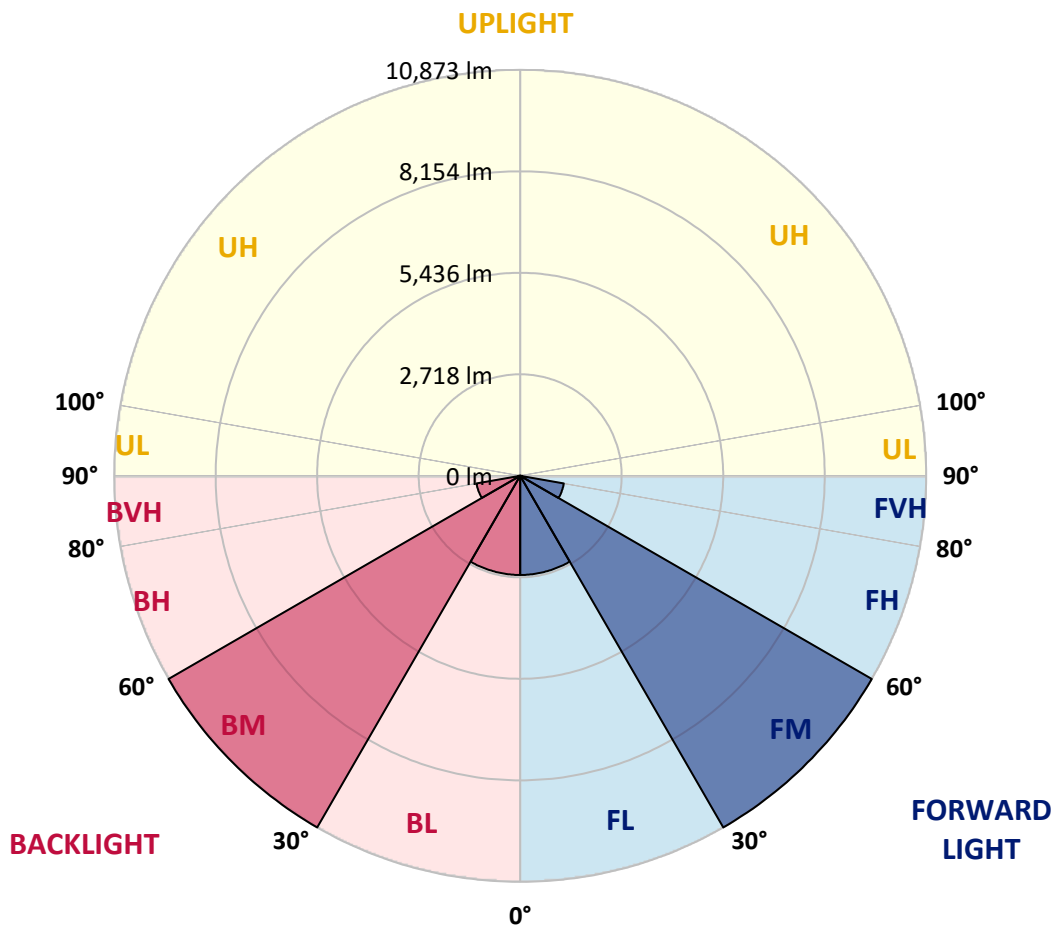


REPORT NUMBER: P530304
 CATALOG NUMBER: GALN-SA5C-735-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2654.8	9.0			
FM (30°-60°)	10872.6	36.8			
FH (60°-80°)	1187.1	4.0			G1/1800
FVH (80°-90°)	56.0	0.2			G1/100
BL (0°-30°)	2654.8	9.0	B4/5000		
BM (30°-60°)	10872.6	36.8	B5		
BH (60°-80°)	1187.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	56.0	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-G1
 Type V Short





REPORT NUMBER: P530304

CATALOG NUMBER: GALN-SA5C-735-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5393.7	5393.7	5393.7	5393.7	5393.7	5393.7	5393.7	5393.7	5393.7	5393.7	5393.7
2.5°	5458.0	5433.0	5390.2	5422.3	5447.3	5393.7	5415.2	5425.9	5418.7	5390.2	5400.9
5°	5536.5	5522.3	5486.6	5511.5	5479.4	5479.4	5458.0	5429.4	5472.3	5465.1	5483.0
7.5°	5536.5	5518.7	5590.1	5543.7	5558.0	5558.0	5522.3	5493.7	5515.1	5483.0	5465.1
10°	5647.2	5672.2	5640.1	5650.8	5643.6	5668.6	5615.1	5597.2	5579.4	5568.7	5547.2
12.5°	5779.3	5761.4	5772.1	5765.0	5790.0	5725.7	5693.6	5654.3	5686.5	5640.1	5672.2
15°	5886.4	5875.6	5886.4	5914.9	5889.9	5886.4	5829.2	5790.0	5740.0	5750.7	5700.7
17.5°	6032.7	6022.0	6025.6	6050.6	6047.0	6029.1	5986.3	5911.3	5893.5	5864.9	5832.8
20°	6250.5	6232.6	6225.5	6236.2	6254.0	6268.3	6182.6	6154.1	6093.4	6047.0	5993.4
22.5°	6436.1	6428.9	6457.5	6411.1	6450.4	6493.2	6411.1	6396.8	6246.9	6221.9	6164.8
25°	6693.1	6682.4	6664.5	6732.4	6778.8	6775.2	6696.7	6618.1	6503.9	6475.4	6475.4
27.5°	6964.4	6903.7	6996.5	7014.4	7096.5	7121.5	7053.6	6939.4	6832.3	6771.6	6785.9
30°	7303.5	7246.4	7267.8	7396.3	7503.4	7596.2	7424.9	7257.1	7107.2	7000.1	6982.2
32.5°	7642.6	7585.5	7649.8	7774.7	7988.9	8128.1	7960.3	7667.6	7492.7	7335.6	7367.8
35°	7917.5	7960.3	8063.8	8253.0	8474.4	8699.2	8431.5	8206.6	7956.8	7781.8	7806.8
37.5°	8360.1	8492.2	8574.3	8792.1	9106.2	9338.2	9059.8	8767.1	8499.3	8270.9	8192.4
40°	8938.4	9027.7	9120.5	9377.5	9748.7	9980.8	9716.6	9334.6	9070.5	8834.9	8824.2
42.5°	9573.8	9659.5	9755.9	10070.0	10291.3	10466.2	10223.5	10020.0	9727.3	9541.7	9531.0
45°	10312.7	10252.0	10359.1	10566.2	10751.8	10866.0	10709.0	10609.0	10398.4	10227.1	10209.2
47.5°	10805.3	10751.8	10944.6	11130.2	11158.7	11033.8	11065.9	11158.7	10937.4	10655.4	10744.7
50°	11090.9	11090.9	11219.4	11390.8	11337.2	11176.6	11430.0	11437.2	11215.9	10966.0	10966.0
52.5°	10594.7	10705.4	11069.5	11629.9	11808.4	11854.8	11797.7	11555.0	10976.7	10466.2	10441.2
55°	9231.1	9206.1	9698.7	10983.8	12022.6	12572.3	11844.1	10726.8	9552.4	8977.7	8920.6
57.5°	6004.2	6032.7	6768.1	8078.1	9952.2	10976.7	9748.7	8178.1	6768.1	5975.6	6050.6
60°	2702.2	2798.6	3244.8	4222.9	5832.8	6668.1	5847.1	4437.1	3405.4	2955.7	2994.9
62.5°	1552.8	1570.6	1588.5	1884.8	2484.5	2937.8	2580.9	1991.9	1756.3	1677.7	1677.7
65°	1310.1	1299.4	1302.9	1327.9	1392.2	1485.0	1445.7	1392.2	1399.3	1392.2	1381.5
67.5°	1113.7	1128.0	1117.3	1135.1	1138.7	1153.0	1178.0	1199.4	1203.0	1210.1	1203.0
70°	913.8	917.4	924.5	938.8	942.4	953.1	988.8	1006.6	1017.4	1017.4	1031.6
72.5°	699.7	696.1	703.2	717.5	735.3	738.9	771.0	796.0	810.3	792.5	796.0
75°	460.5	464.1	474.8	485.5	510.5	535.4	546.2	571.1	574.7	581.9	564.0
77.5°	274.9	282.0	292.7	314.1	335.5	357.0	382.0	399.8	406.9	399.8	378.4
80°	178.5	178.5	192.8	210.6	235.6	253.4	267.7	282.0	292.7	282.0	274.9
82.5°	110.7	110.7	128.5	149.9	167.8	178.5	199.9	217.7	228.5	221.3	210.6
85°	57.1	60.7	75.0	92.8	107.1	114.2	110.7	100.0	89.2	85.7	78.5
87.5°	17.8	17.8	21.4	21.4	17.8	17.8	21.4	17.8	21.4	21.4	21.4
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)