

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: P530310

Luminaire Tested: **GALN-SA5C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28738 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

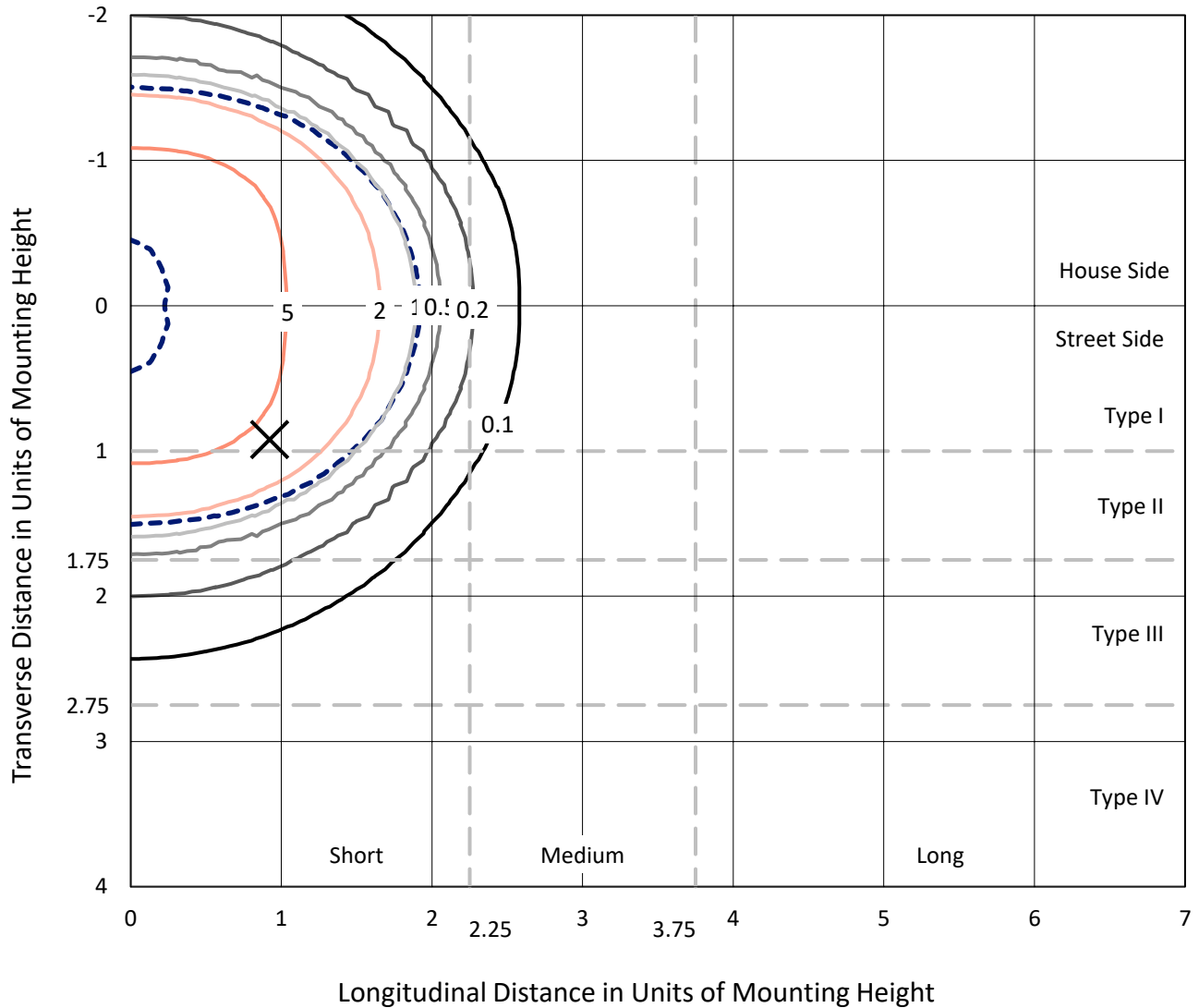
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

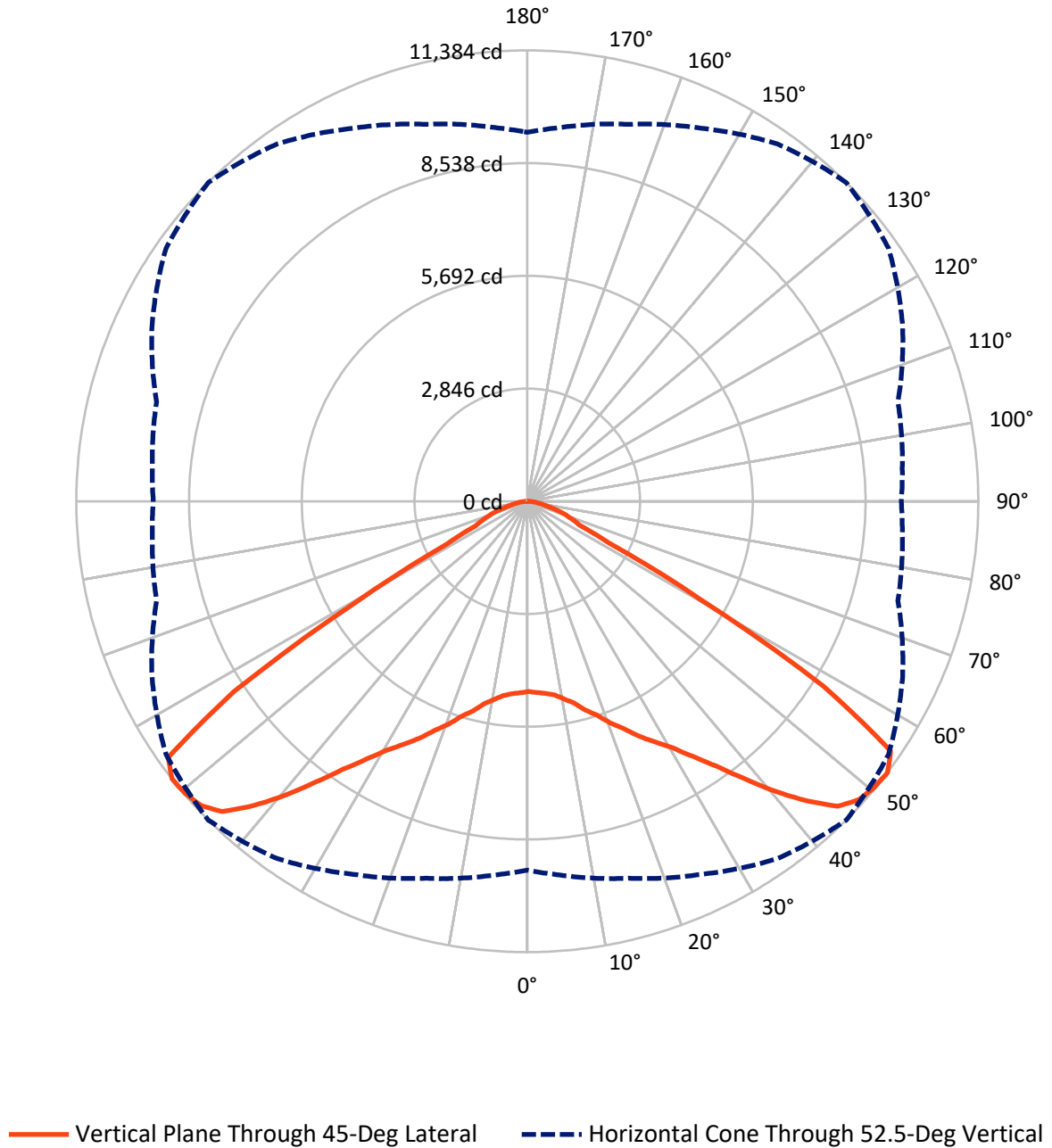
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14369.0	0.0	14369.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14369.0	0.0	14369.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28738.0	0.0	28738.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.0	1.6
10°-20°	1550.9	5.4
20°-30°	2952.6	10.3
30°-40°	5069.9	17.6
40°-50°	7792.6	27.1
50°-60°	7913.2	27.5
60°-70°	2205.3	7.7
70°-80°	650.5	2.3
80°-90°	131.0	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°	28738.0	100.0
0°-180°	28738.0	100.0

Coefficient of Utilization



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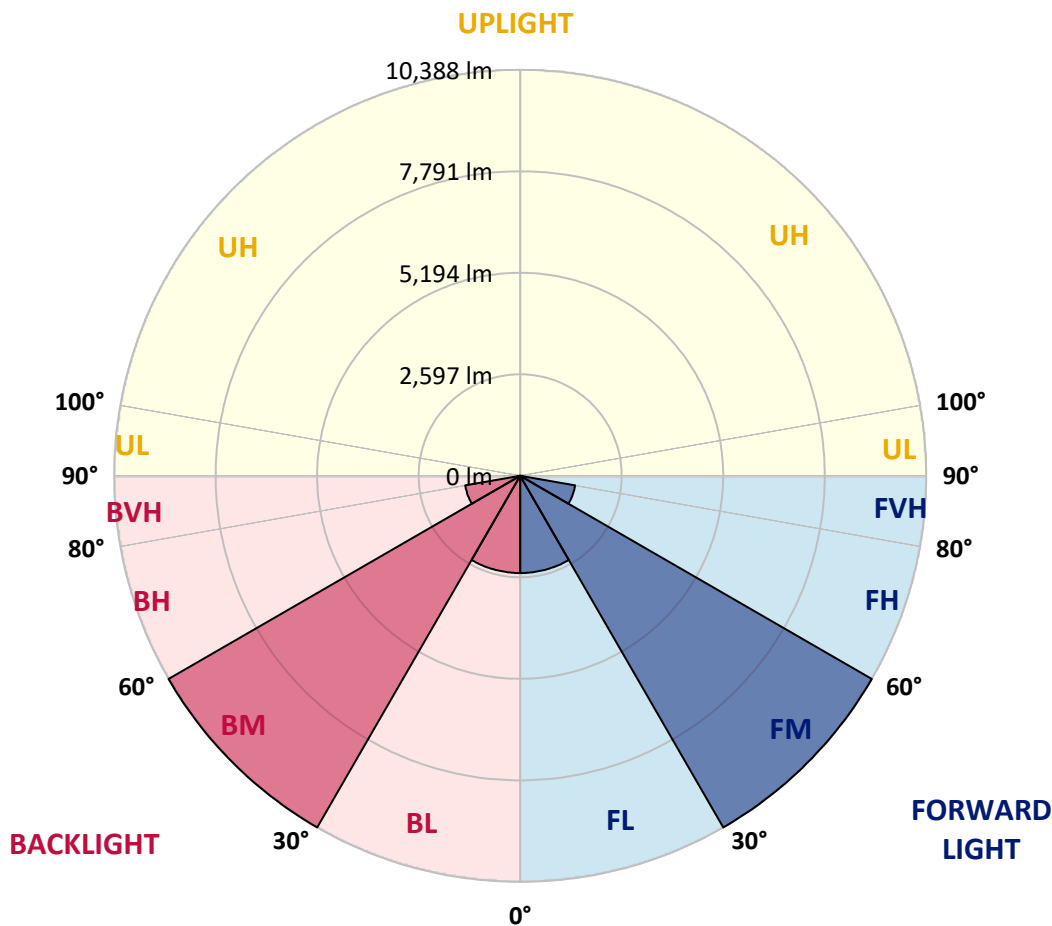
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2487.7	8.7			
FM (30°-60°)	10387.8	36.1			
FH (60°-80°)	1427.9	5.0			G1/1800
FVH (80°-90°)	65.5	0.2			G1/100
BL (0°-30°)	2487.7	8.7	B3/2500		
BM (30°-60°)	10387.8	36.1	B5		
BH (60°-80°)	1427.9	5.0	B3/2500		G1/1800
BVH (80°-90°)	65.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4803.9	4803.9	4803.9	4803.9	4803.9	4803.9	4803.9	4803.9	4803.9	4803.9	4803.9
2.5°	4814.6	4764.7	4782.5	4793.2	4839.6	4836.0	4825.3	4839.6	4853.9	4857.4	4850.3
5°	4811.1	4775.4	4789.7	4800.4	4846.7	4871.7	4864.6	4925.2	4968.0	4957.3	5010.8
7.5°	4782.5	4803.9	4786.1	4839.6	4878.8	4939.5	5003.7	5060.7	5114.2	5174.8	5185.5
10°	4846.7	4846.7	4878.8	4921.6	5025.1	5071.4	5164.1	5246.2	5349.6	5420.9	5392.4
12.5°	4914.5	4925.2	4925.2	5035.8	5121.3	5224.8	5310.4	5420.9	5567.1	5652.7	5695.5
15°	4982.3	4989.4	5025.1	5174.8	5303.2	5467.3	5545.7	5645.6	5727.6	5888.1	5891.7
17.5°	5042.9	5082.1	5189.1	5356.7	5517.2	5674.1	5799.0	5902.4	5973.7	6037.9	6023.6
20°	5271.1	5299.7	5410.2	5577.8	5816.8	5970.1	6012.9	6030.8	6077.1	6205.5	6166.3
22.5°	5492.2	5502.9	5606.4	5863.2	6030.8	6234.1	6280.4	6269.7	6287.6	6319.7	6376.7
25°	5720.5	5738.3	5881.0	6098.5	6333.9	6576.4	6615.7	6533.6	6508.7	6544.3	6547.9
27.5°	6012.9	6016.5	6198.4	6387.4	6654.9	6883.1	6943.8	6879.6	6761.9	6790.4	6836.8
30°	6383.8	6358.9	6540.8	6811.8	7093.6	7222.0	7325.4	7293.3	7164.9	7139.9	7100.7
32.5°	6811.8	6818.9	6983.0	7279.0	7464.5	7678.5	7789.0	7735.5	7653.5	7610.7	7635.7
35°	7414.5	7446.6	7557.2	7803.3	8102.9	8209.8	8384.6	8270.5	8056.5	8110.0	8156.3
37.5°	7910.3	8003.0	8209.8	8502.3	8680.6	8876.8	8941.0	8787.6	8630.7	8566.5	8719.8
40°	8669.9	8641.4	8869.6	9162.1	9426.0	9622.1	9540.1	9386.8	8998.0	9001.6	9044.4
42.5°	9322.6	9336.8	9511.6	9861.1	10221.3	10342.5	10082.2	9707.7	9276.2	9229.8	9322.6
45°	9871.8	9928.8	10028.7	10495.9	10849.0	10980.9	10499.5	10057.2	9479.5	9286.9	9440.3
47.5°	10067.9	10160.7	10378.2	10806.2	11155.7	11262.7	10877.5	10242.7	9668.5	9354.7	9436.7
50°	10096.5	10064.4	10421.0	10813.3	11120.0	11351.8	11013.0	10378.2	9622.1	9458.1	9433.1
52.5°	9315.4	9472.3	9854.0	10392.5	11013.0	11383.9	11134.3	10453.1	9686.3	9500.9	9440.3
55°	7539.4	7353.9	8049.4	8955.2	10096.5	11127.2	11091.5	10492.3	9725.6	9572.2	9490.2
57.5°	4208.3	4261.8	4654.1	5638.5	7111.4	8823.3	9861.1	10078.6	9707.7	9618.6	9661.4
60°	1947.3	1965.1	2132.7	2592.8	3505.8	5003.7	6369.6	7756.9	8395.3	8523.7	8523.7
62.5°	1451.5	1444.4	1487.2	1569.2	1761.8	2300.3	3070.7	4172.7	5050.0	5663.4	5823.9
65°	1312.4	1308.9	1330.3	1358.8	1373.1	1448.0	1619.1	1958.0	2243.3	2407.3	2378.8
67.5°	1148.4	1144.8	1151.9	1169.8	1194.7	1234.0	1276.8	1348.1	1448.0	1440.8	1423.0
70°	927.3	927.3	938.0	952.2	980.8	1027.1	1077.1	1127.0	1212.6	1230.4	1226.8
72.5°	684.7	674.0	695.4	724.0	752.5	809.6	863.1	909.4	970.1	987.9	980.8
75°	435.1	442.2	456.5	488.6	538.5	577.8	634.8	674.0	713.3	727.5	731.1
77.5°	242.5	249.6	274.6	313.8	363.8	406.6	456.5	488.6	513.6	517.1	520.7
80°	146.2	149.8	174.8	210.4	253.2	299.6	338.8	370.9	392.3	381.6	378.0
82.5°	89.2	92.7	114.1	146.2	181.9	217.6	260.3	288.9	310.3	296.0	281.7
85°	46.4	49.9	67.8	89.2	117.7	135.5	135.5	121.3	117.7	110.6	107.0
87.5°	14.3	14.3	17.8	21.4	17.8	21.4	25.0	28.5	28.5	32.1	28.5
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)