

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: P531240

Luminaire Tested: **GALN-SA6C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531240  
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-SA6C-735-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 34980 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

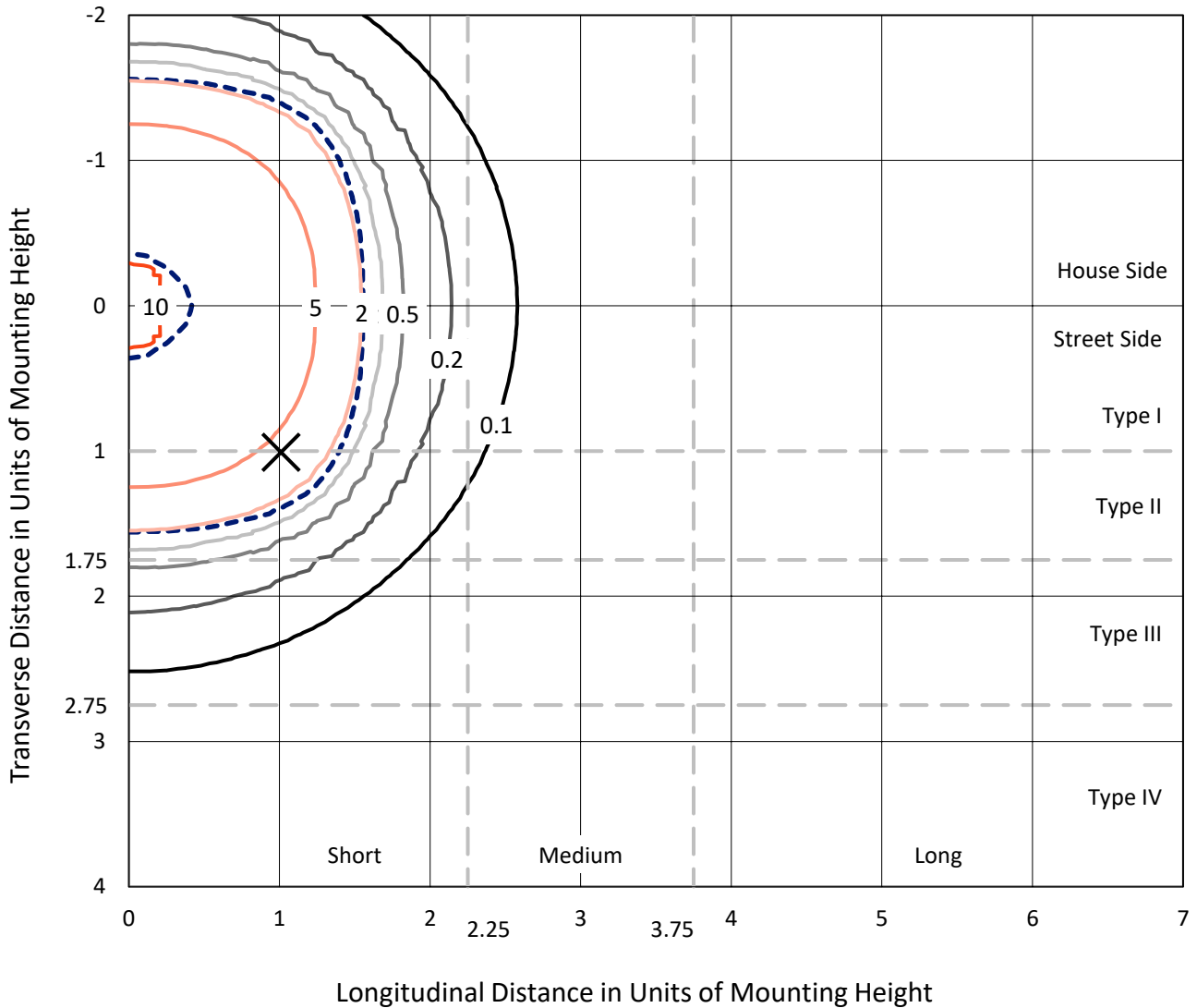
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

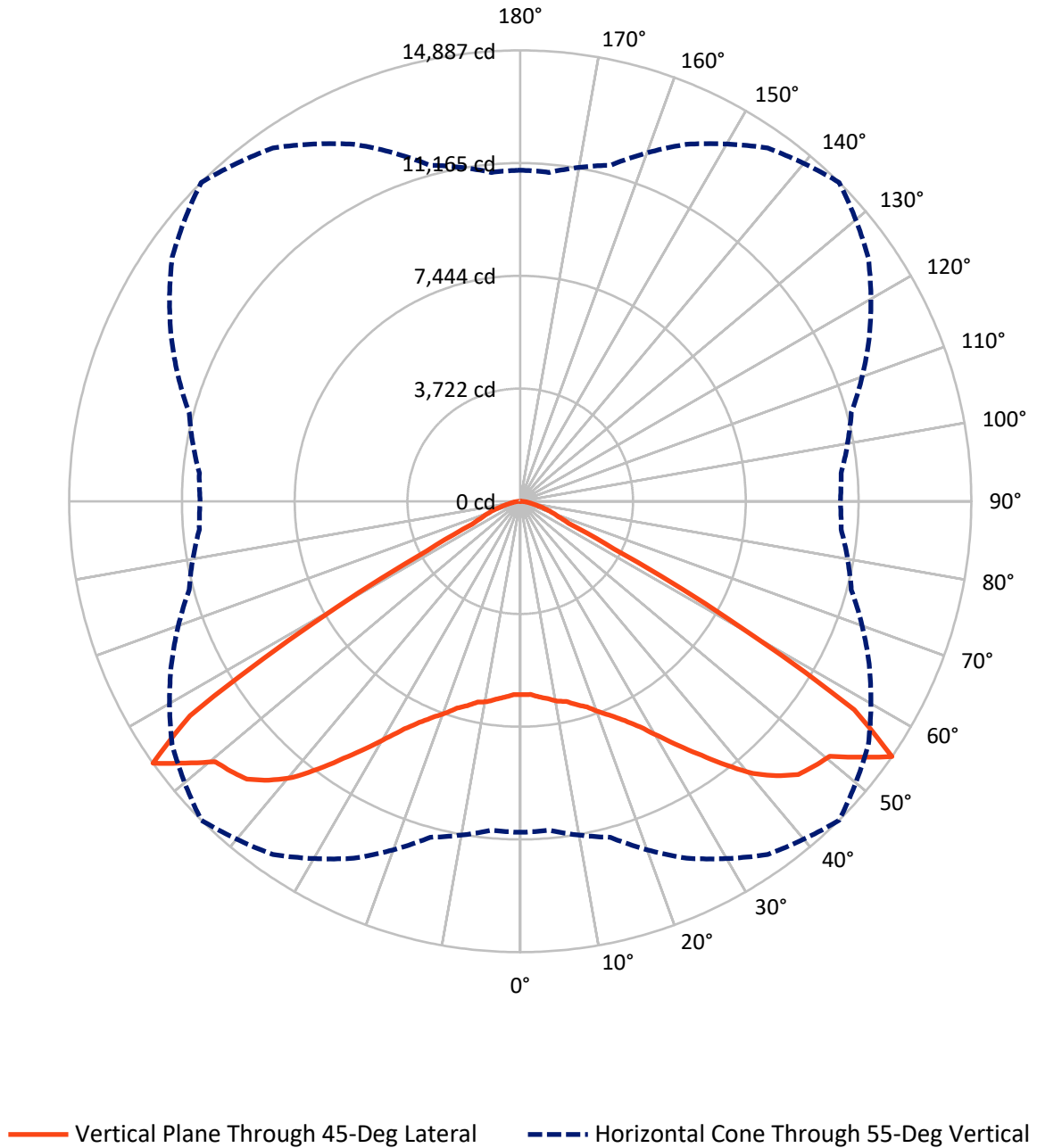
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17490.0	0.0	17490.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17490.0	0.0	17490.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34980.0	0.0	34980.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	623.9	1.8
10°-20°	1976.9	5.7
20°-30°	3686.4	10.5
30°-40°	6172.2	17.6
40°-50°	9604.4	27.5
50°-60°	9972.3	28.5
60°-70°	2114.8	6.0
70°-80°	696.5	2.0
80°-90°	132.6	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°	34980.0	100.0
0°-180°	34980.0	100.0

**Coefficient of Utilization**

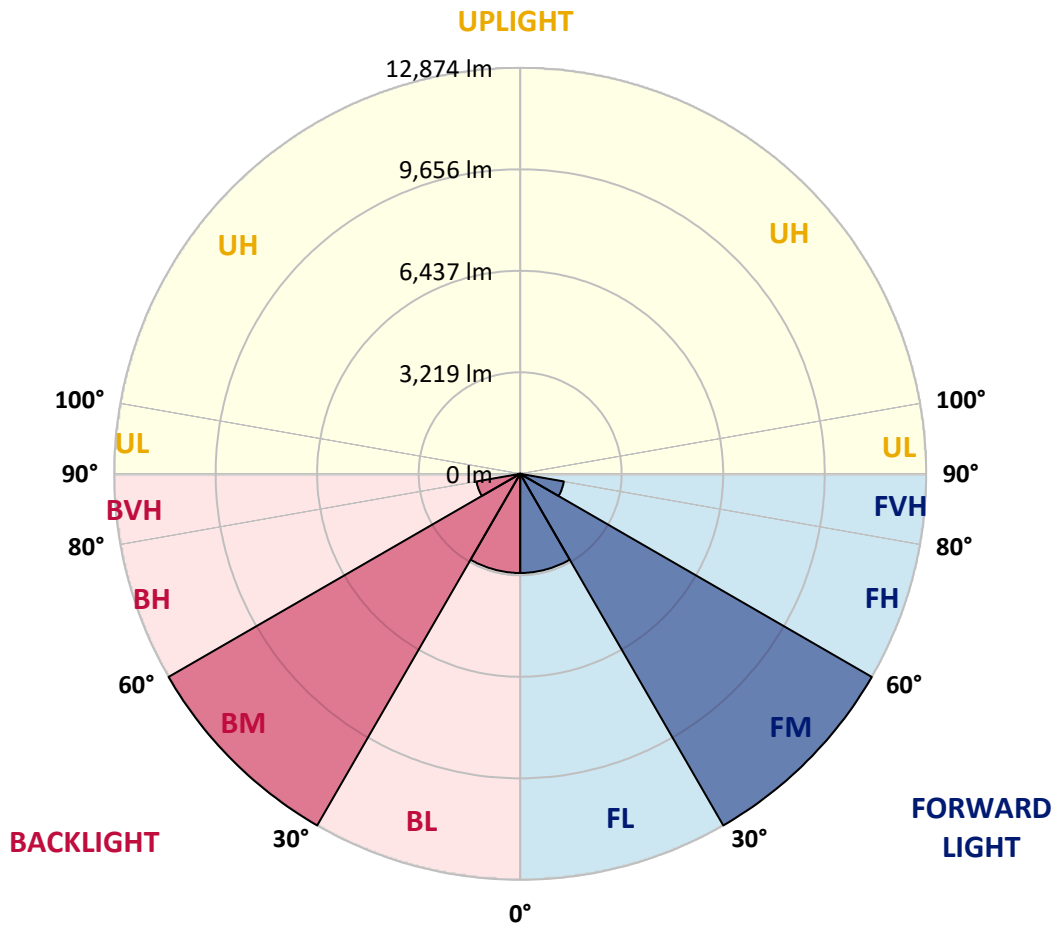


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3143.6	9.0			
FM (30°-60°)	12874.4	36.8			
FH (60°-80°)	1405.6	4.0			G1/1800
FVH (80°-90°)	66.3	0.2			G1/100
BL (0°-30°)	3143.6	9.0	B4/5000		
BM (30°-60°)	12874.4	36.8	B5		
BH (60°-80°)	1405.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	66.3	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°	6386.8	6386.8	6386.8	6386.8	6386.8	6386.8	6386.8	6386.8	6386.8	6386.8	6386.8
2.5°	6462.9	6433.3	6382.6	6420.6	6450.2	6386.8	6412.2	6424.9	6416.4	6382.6	6395.3
5°	6555.9	6539.0	6496.7	6526.3	6488.3	6488.3	6462.9	6429.1	6479.8	6471.4	6492.5
7.5°	6555.9	6534.8	6619.3	6564.4	6581.3	6581.3	6539.0	6505.2	6530.5	6492.5	6471.4
10°	6686.9	6716.5	6678.5	6691.2	6682.7	6712.3	6648.9	6627.8	6606.6	6593.9	6568.6
12.5°	6843.3	6822.2	6834.9	6826.4	6856.0	6779.9	6741.9	6695.4	6733.4	6678.5	6716.5
15°	6970.1	6957.5	6970.1	7004.0	6974.4	6970.1	6902.5	6856.0	6796.8	6809.5	6750.3
17.5°	7143.4	7130.8	7135.0	7164.6	7160.3	7139.2	7088.5	6999.7	6978.6	6944.8	6906.7
20°	7401.3	7380.1	7371.7	7384.4	7405.5	7422.4	7321.0	7287.2	7215.3	7160.3	7096.9
22.5°	7621.1	7612.6	7646.4	7591.5	7638.0	7688.7	7591.5	7574.6	7397.1	7367.5	7299.8
25°	7925.4	7912.7	7891.6	7971.9	8026.9	8022.6	7929.6	7836.6	7701.4	7667.6	7667.6
27.5°	8246.7	8174.8	8284.7	8305.8	8403.1	8432.6	8352.3	8217.1	8090.3	8018.4	8035.3
30°	8648.2	8580.6	8605.9	8758.1	8884.9	8994.8	8791.9	8593.3	8415.7	8288.9	8267.8
32.5°	9049.8	8982.1	9058.2	9206.2	9459.8	9624.6	9426.0	9079.4	8872.2	8686.3	8724.3
35°	9375.2	9426.0	9548.5	9772.6	10034.6	10300.9	9983.9	9717.6	9421.7	9214.6	9244.2
37.5°	9899.4	10055.8	10153.0	10410.8	10782.8	11057.5	10727.8	10381.2	10064.2	9793.7	9700.7
40°	10584.1	10689.8	10799.7	11104.0	11543.6	11818.4	11505.6	11053.3	10740.5	10461.5	10448.9
42.5°	11336.5	11438.0	11552.1	11924.0	12186.1	12393.2	12105.8	11864.9	11518.3	11298.5	11285.8
45°	12211.5	12139.6	12266.4	12511.6	12731.4	12866.6	12680.7	12562.3	12312.9	12110.0	12088.9
47.5°	12794.8	12731.4	12959.6	13179.4	13213.2	13065.3	13103.3	13213.2	12951.2	12617.3	12722.9
50°	13132.9	13132.9	13285.1	13488.0	13424.6	13234.4	13534.5	13542.9	13280.9	12985.0	12985.0
52.5°	12545.4	12676.4	13107.6	13771.2	13982.5	14037.5	13969.9	13682.4	12997.7	12393.2	12363.6
55°	10930.7	10901.1	11484.5	13006.1	14236.2	14887.1	14024.8	12701.8	11311.1	10630.6	10563.0
57.5°	7109.6	7143.4	8014.2	9565.4	11784.6	12997.7	11543.6	9683.8	8014.2	7075.8	7164.6
60°	3199.8	3313.9	3842.2	5000.4	6906.7	7895.8	6923.6	5254.0	4032.5	3499.9	3546.4
62.5°	1838.7	1859.8	1881.0	2231.8	2941.9	3478.7	3056.0	2358.6	2079.6	1986.6	1986.6
65°	1551.3	1538.6	1542.8	1572.4	1648.5	1758.4	1711.9	1648.5	1656.9	1648.5	1635.8
67.5°	1318.8	1335.7	1323.0	1344.2	1348.4	1365.3	1394.9	1420.2	1424.5	1432.9	1424.5
70°	1082.1	1086.3	1094.8	1111.7	1115.9	1128.6	1170.8	1192.0	1204.7	1204.7	1221.6
72.5°	828.5	824.2	832.7	849.6	870.7	875.0	913.0	942.6	959.5	938.4	942.6
75°	545.3	549.5	562.2	574.9	604.4	634.0	646.7	676.3	680.5	689.0	667.8
77.5°	325.5	333.9	346.6	372.0	397.3	422.7	452.3	473.4	481.9	473.4	448.1
80°	211.3	211.3	228.3	249.4	279.0	300.1	317.0	333.9	346.6	333.9	325.5
82.5°	131.0	131.0	152.2	177.5	198.7	211.3	236.7	257.8	270.5	262.1	249.4
85°	67.6	71.9	88.8	109.9	126.8	135.3	131.0	118.4	105.7	101.4	93.0
87.5°	21.1	21.1	25.4	25.4	21.1	21.1	25.4	21.1	25.4	25.4	25.4
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)