

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: P532176

Luminaire Tested: **GALN-SA7C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532176  
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-SA7C-735-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 41087 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

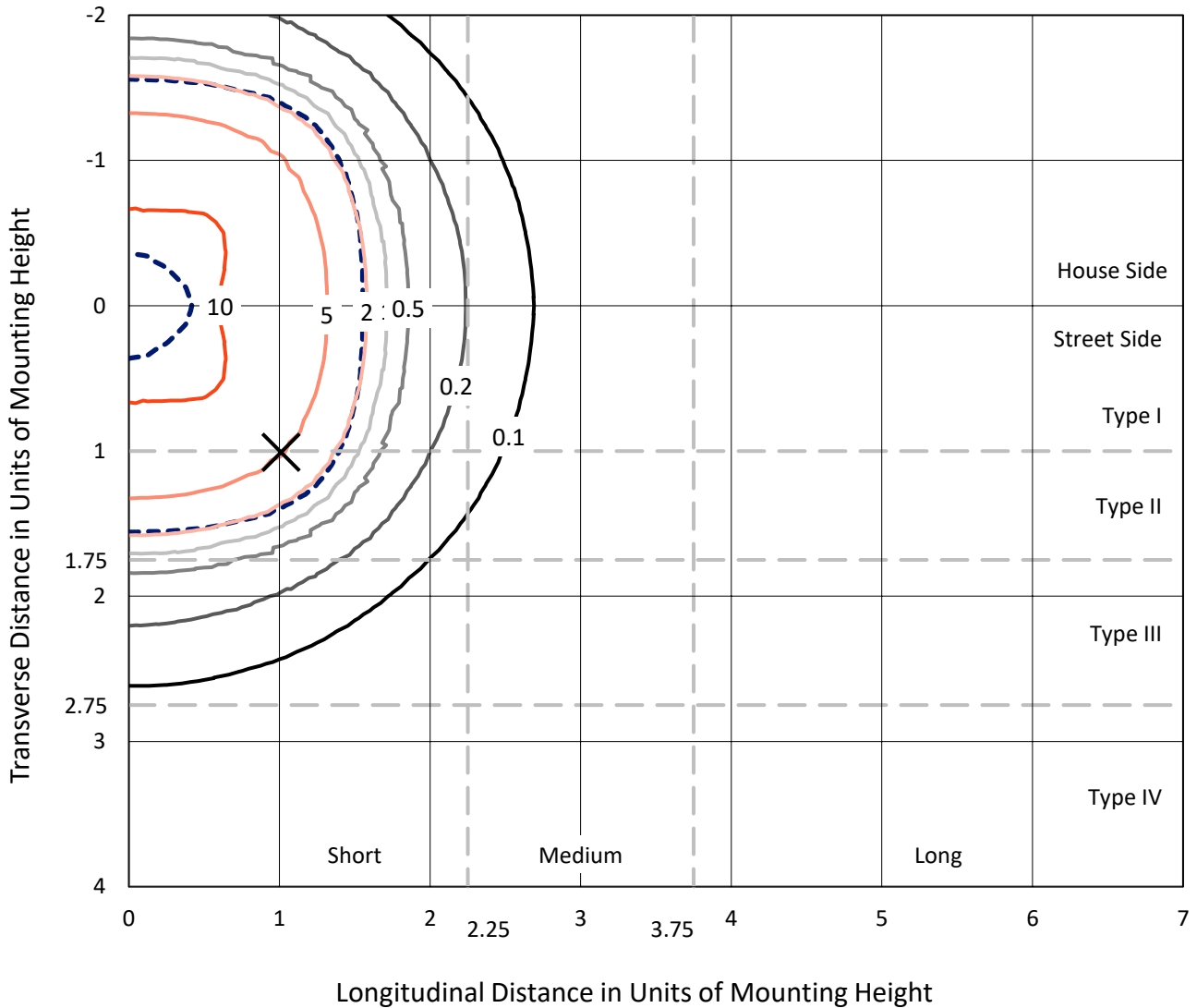
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

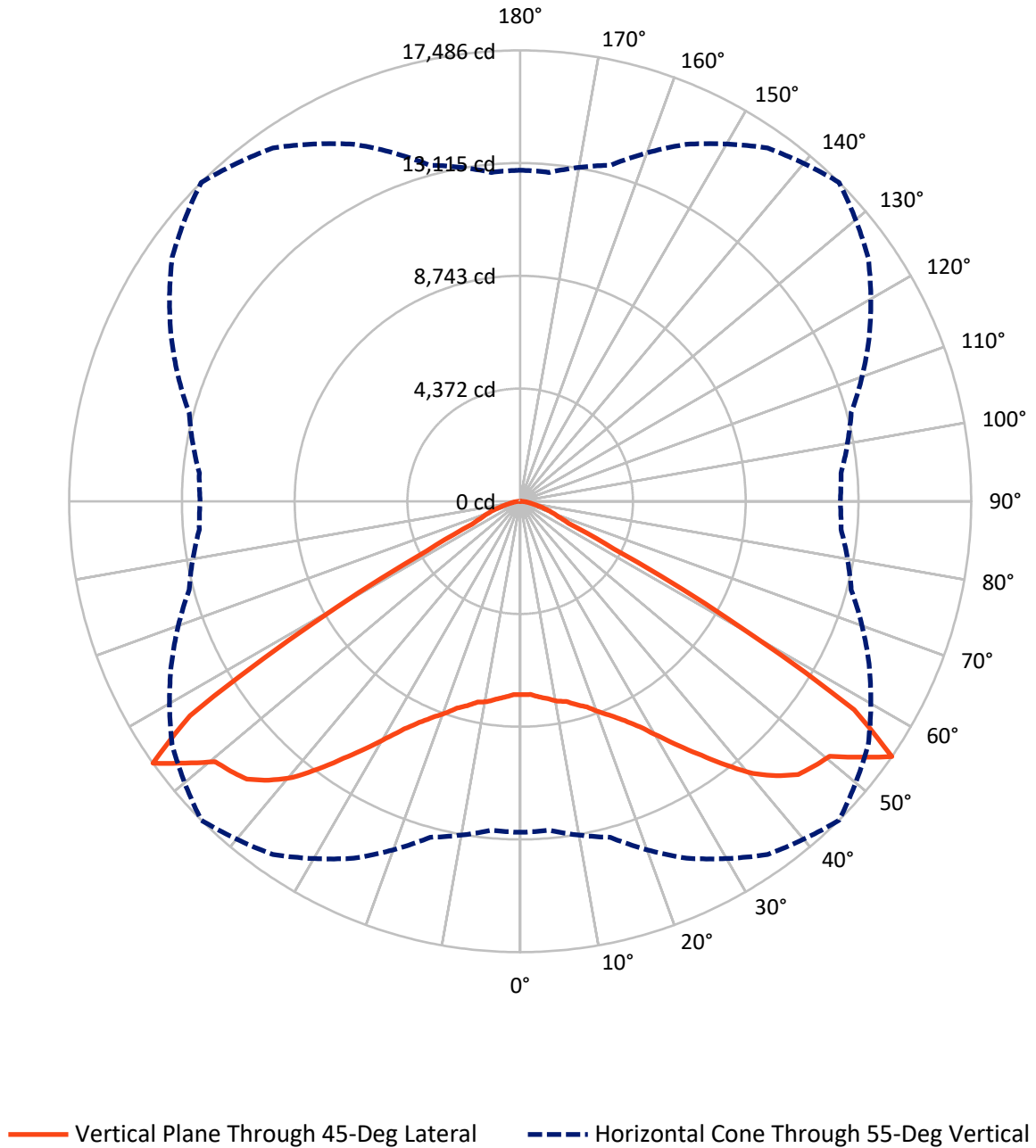
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	20543.5	0.0	20543.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20543.5	0.0	20543.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41087.0	0.0	41087.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	732.9	1.8
10°-20°	2322.1	5.7
20°-30°	4329.9	10.5
30°-40°	7249.7	17.6
40°-50°	11281.1	27.5
50°-60°	11713.4	28.5
60°-70°	2484.0	6.0
70°-80°	818.1	2.0
80°-90°	155.8	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°	41087.0	100.0
0°-180°	41087.0	100.0

**Coefficient of Utilization**

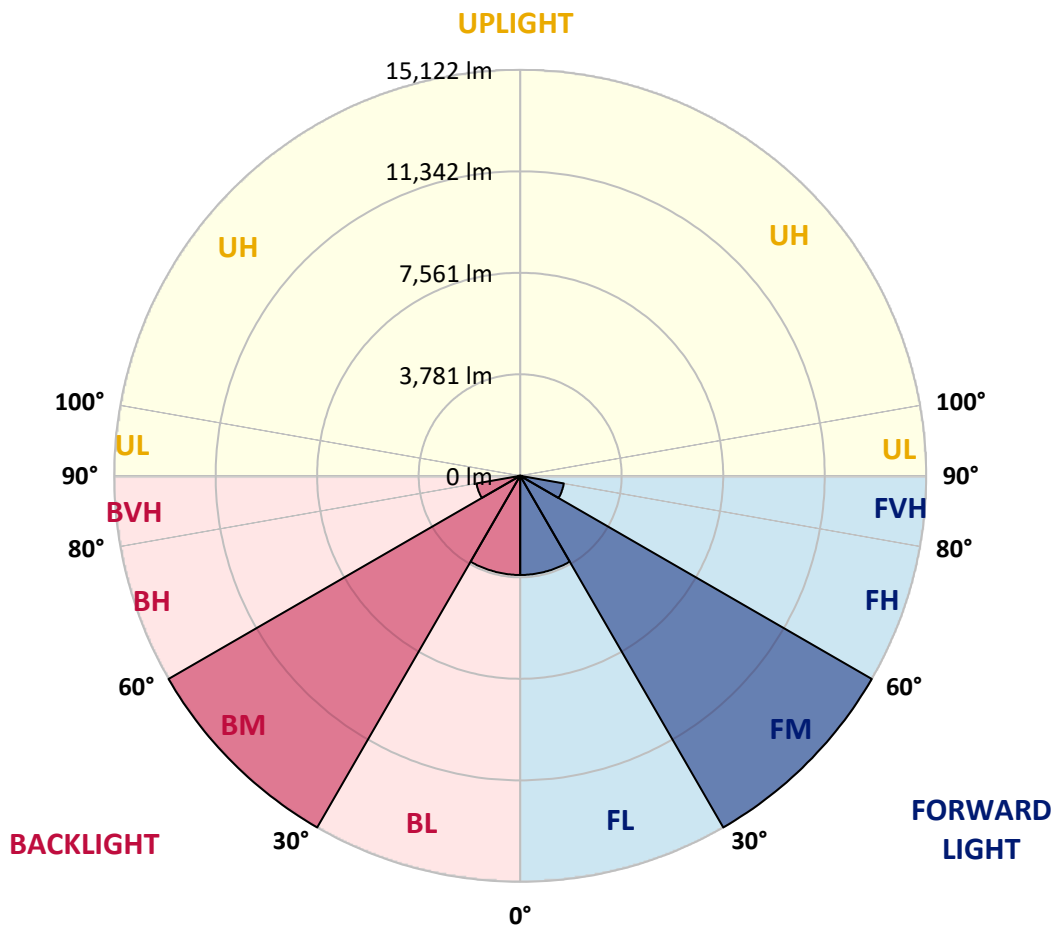


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3692.4	9.0			
FM (30°-60°)	15122.1	36.8			
FH (60°-80°)	1651.1	4.0			G1/1800
FVH (80°-90°)	77.9	0.2			G1/100
BL (0°-30°)	3692.4	9.0	B4/5000		
BM (30°-60°)	15122.1	36.8	B5		
BH (60°-80°)	1651.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	77.9	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°	7501.9	7501.9	7501.9	7501.9	7501.9	7501.9	7501.9	7501.9	7501.9	7501.9	7501.9
2.5°	7591.2	7556.5	7496.9	7541.6	7576.3	7501.9	7531.7	7546.6	7536.6	7496.9	7511.8
5°	7700.5	7680.6	7631.0	7665.7	7621.0	7621.0	7591.2	7551.5	7611.1	7601.2	7626.0
7.5°	7700.5	7675.6	7774.9	7710.4	7730.3	7730.3	7680.6	7640.9	7670.7	7626.0	7601.2
10°	7854.4	7889.1	7844.4	7859.3	7849.4	7884.2	7809.7	7784.9	7760.0	7745.2	7715.4
12.5°	8038.1	8013.3	8028.1	8018.2	8053.0	7963.6	7918.9	7864.3	7909.0	7844.4	7889.1
15°	8187.0	8172.1	8187.0	8226.7	8192.0	8187.0	8107.6	8053.0	7983.5	7998.4	7928.8
17.5°	8390.6	8375.7	8380.7	8415.4	8410.4	8385.6	8326.0	8221.8	8197.0	8157.2	8112.5
20°	8693.4	8668.6	8658.7	8673.6	8698.4	8718.3	8599.1	8559.4	8475.0	8410.4	8336.0
22.5°	8951.6	8941.7	8981.4	8916.9	8971.5	9031.0	8916.9	8897.0	8688.5	8653.7	8574.3
25°	9309.1	9294.2	9269.4	9363.7	9428.2	9423.3	9314.0	9204.8	9045.9	9006.2	9006.2
27.5°	9686.4	9602.0	9731.1	9755.9	9870.1	9904.9	9810.5	9651.6	9502.7	9418.3	9438.2
30°	10158.1	10078.6	10108.4	10287.1	10436.1	10565.2	10326.9	10093.5	9885.0	9736.1	9711.2
32.5°	10629.7	10550.3	10639.7	10813.4	11111.3	11304.9	11071.6	10664.5	10421.2	10202.7	10247.4
35°	11012.0	11071.6	11215.6	11478.7	11786.5	12099.3	11727.0	11414.2	11066.6	10823.4	10858.1
37.5°	11627.7	11811.4	11925.5	12228.4	12665.3	12988.0	12600.8	12193.6	11821.3	11503.5	11394.3
40°	12432.0	12556.1	12685.2	13042.6	13559.0	13881.7	13514.3	12983.1	12615.7	12288.0	12273.1
42.5°	13315.7	13434.9	13568.9	14005.8	14313.6	14556.9	14219.3	13936.3	13529.2	13271.0	13256.1
45°	14343.4	14259.0	14408.0	14695.9	14954.1	15113.0	14894.5	14755.5	14462.6	14224.3	14199.4
47.5°	15028.6	14954.1	15222.2	15480.4	15520.1	15346.3	15391.0	15520.1	15212.3	14820.0	14944.2
50°	15425.8	15425.8	15604.5	15842.8	15768.3	15544.9	15897.4	15907.3	15599.5	15252.0	15252.0
52.5°	14735.6	14889.6	15396.0	16175.4	16423.7	16488.2	16408.8	16071.2	15266.9	14556.9	14522.2
55°	12839.1	12804.3	13489.5	15276.8	16721.6	17486.2	16473.3	14919.3	13285.9	12486.6	12407.1
57.5°	8350.9	8390.6	9413.3	11235.4	13842.0	15266.9	13559.0	11374.4	9413.3	8311.1	8415.4
60°	3758.4	3892.4	4513.0	5873.4	8112.5	9274.3	8132.4	6171.3	4736.5	4110.9	4165.5
62.5°	2159.7	2184.5	2209.4	2621.4	3455.5	4086.1	3589.6	2770.4	2442.7	2333.5	2333.5
65°	1822.1	1807.2	1812.2	1846.9	1936.3	2065.4	2010.8	1936.3	1946.2	1936.3	1921.4
67.5°	1549.0	1568.9	1554.0	1578.8	1583.8	1603.6	1638.4	1668.2	1673.2	1683.1	1673.2
70°	1271.0	1276.0	1285.9	1305.8	1310.7	1325.6	1375.3	1400.1	1415.0	1415.0	1434.8
72.5°	973.1	968.1	978.1	997.9	1022.8	1027.7	1072.4	1107.2	1127.0	1102.2	1107.2
75°	640.5	645.4	660.3	675.2	710.0	744.7	759.6	794.4	799.3	809.3	784.4
77.5°	382.3	392.2	407.1	436.9	466.7	496.5	531.2	556.1	566.0	556.1	526.3
80°	248.2	248.2	268.1	292.9	327.7	352.5	372.4	392.2	407.1	392.2	382.3
82.5°	153.9	153.9	178.7	208.5	233.3	248.2	278.0	302.9	317.7	307.8	292.9
85°	79.4	84.4	104.3	129.1	148.9	158.9	153.9	139.0	124.1	119.2	109.2
87.5°	24.8	24.8	29.8	29.8	24.8	24.8	29.8	24.8	29.8	29.8	29.8
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)