

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: P532130

Luminaire Tested: **GALN-SA7C-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532130
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-SA7C-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 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: 35884 lumens
Efficiency: N/A
Efficacy: 95.2 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

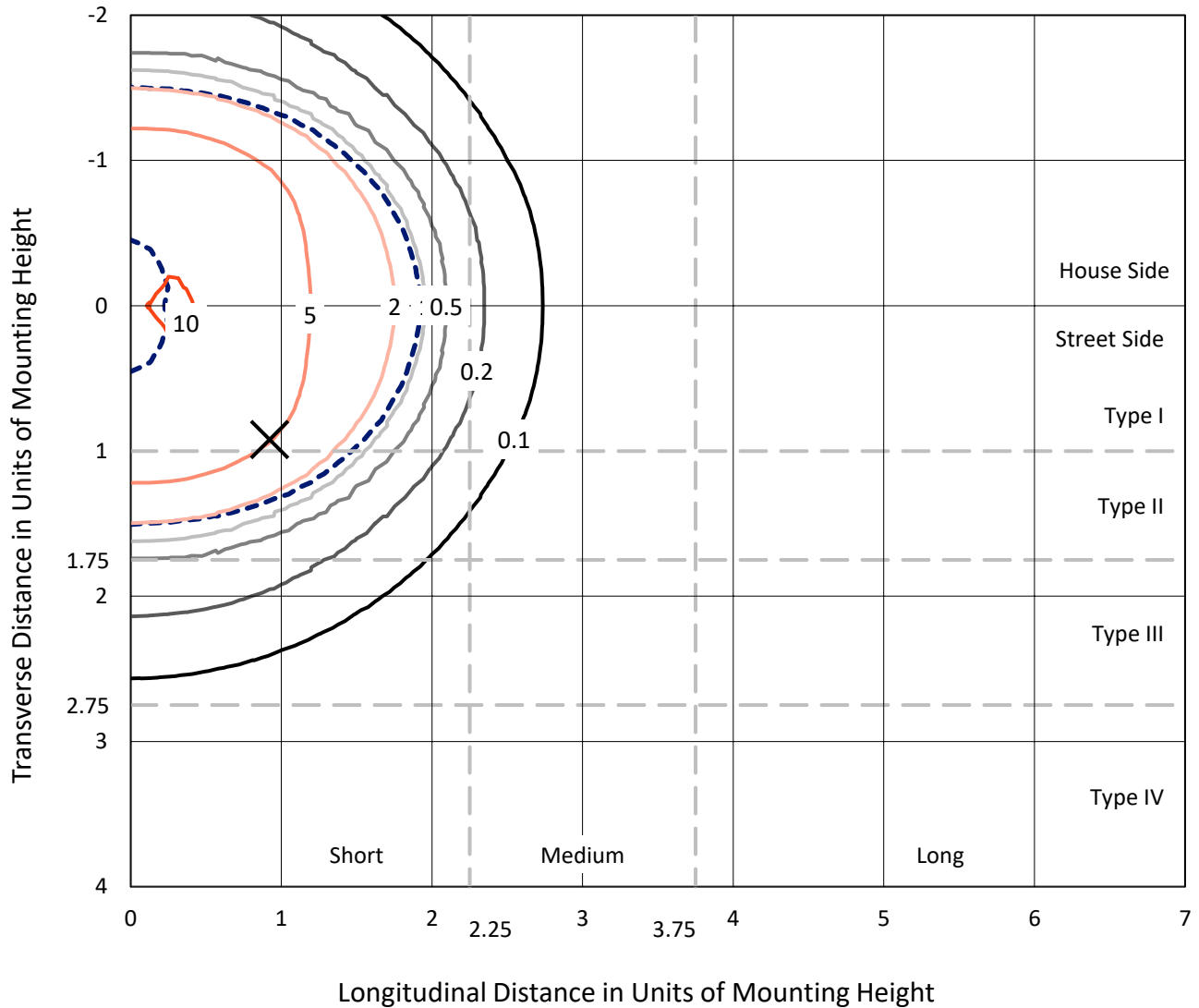
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

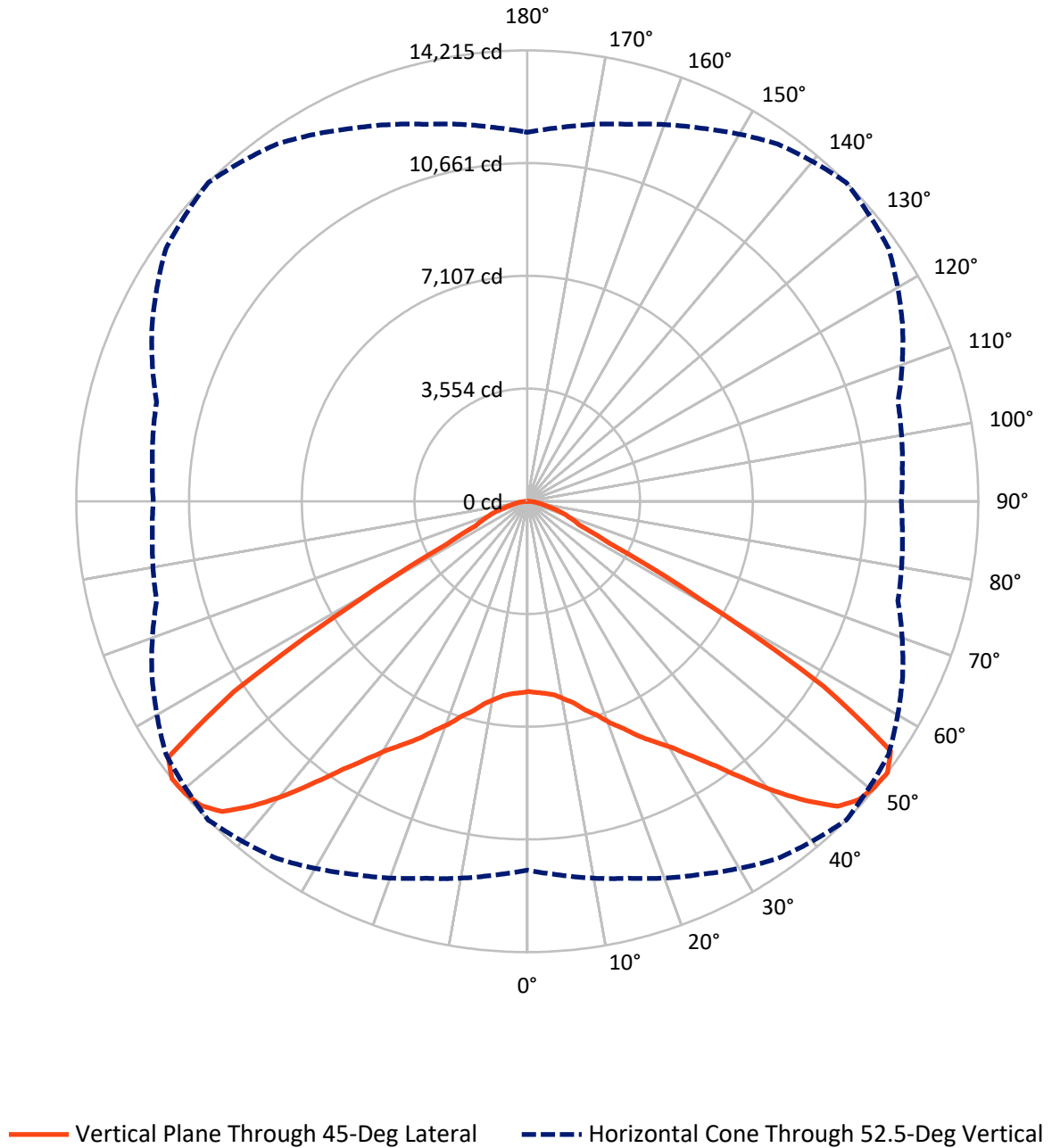
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	17942.0	0.0	17942.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17942.0	0.0	17942.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35884.0	0.0	35884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.3	1.6
10°-20°	1936.5	5.4
20°-30°	3686.8	10.3
30°-40°	6330.6	17.6
40°-50°	9730.3	27.1
50°-60°	9880.9	27.5
60°-70°	2753.7	7.7
70°-80°	812.3	2.3
80°-90°	163.6	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°	35884.0	100.0
0°-180°	35884.0	100.0

Coefficient of Utilization

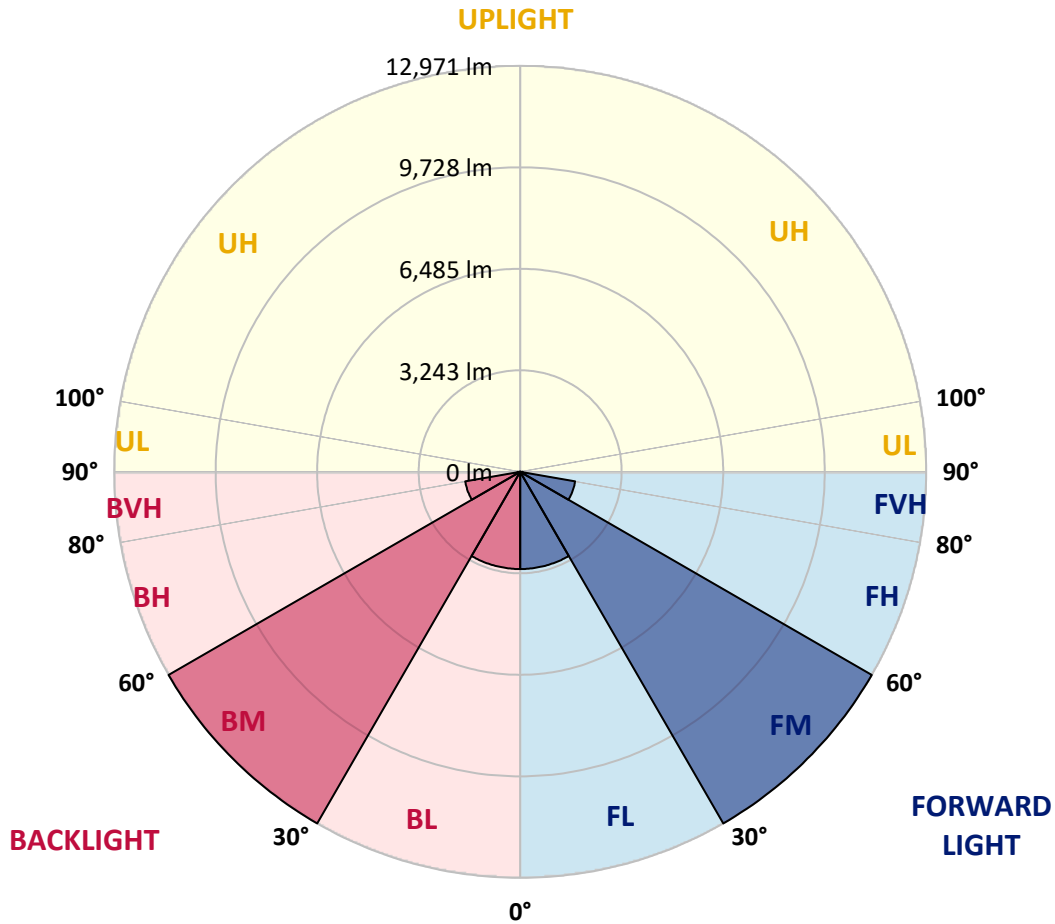


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3106.3	8.7			
FM (30°-60°)	12970.9	36.1			
FH (60°-80°)	1783.0	5.0			G1/1800
FVH (80°-90°)	81.8	0.2			G1/100
BL (0°-30°)	3106.3	8.7	B4/5000		
BM (30°-60°)	12970.9	36.1	B5		
BH (60°-80°)	1783.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	81.8	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°	5998.5	5998.5	5998.5	5998.5	5998.5	5998.5	5998.5	5998.5	5998.5	5998.5	5998.5
2.5°	6011.8	5949.5	5971.8	5985.1	6043.0	6038.6	6025.2	6043.0	6060.8	6065.3	6056.4
5°	6007.4	5962.9	5980.7	5994.0	6051.9	6083.1	6074.2	6149.9	6203.3	6190.0	6256.8
7.5°	5971.8	5998.5	5976.2	6043.0	6092.0	6167.7	6247.9	6319.1	6385.9	6461.6	6475.0
10°	6051.9	6051.9	6092.0	6145.4	6274.6	6332.5	6448.3	6550.7	6679.8	6768.9	6733.3
12.5°	6136.5	6149.9	6149.9	6287.9	6394.8	6524.0	6630.8	6768.9	6951.5	7058.3	7111.8
15°	6221.1	6230.1	6274.6	6461.6	6621.9	6826.8	6924.8	7049.4	7151.9	7352.3	7356.7
17.5°	6296.8	6345.8	6479.4	6688.7	6889.1	7085.1	7240.9	7370.1	7459.1	7539.3	7521.5
20°	6581.9	6617.5	6755.5	6964.8	7263.2	7454.7	7508.1	7530.4	7588.3	7748.6	7699.6
22.5°	6858.0	6871.3	7000.5	7321.1	7530.4	7784.2	7842.1	7828.8	7851.0	7891.1	7962.4
25°	7143.0	7165.2	7343.4	7615.0	7908.9	8211.7	8260.7	8158.3	8127.1	8171.7	8176.1
27.5°	7508.1	7512.6	7739.7	7975.7	8309.7	8594.7	8670.4	8590.3	8443.3	8478.9	8536.8
30°	7971.3	7940.1	8167.2	8505.6	8857.4	9017.8	9146.9	9106.8	8946.5	8915.3	8866.4
32.5°	8505.6	8514.6	8719.4	9089.0	9320.6	9587.8	9725.8	9659.0	9556.6	9503.2	9534.3
35°	9258.2	9298.3	9436.4	9743.6	10117.7	10251.3	10469.5	10327.0	10059.8	10126.6	10184.5
37.5°	9877.2	9993.0	10251.3	10616.5	10839.1	11084.1	11164.2	10972.7	10776.8	10696.6	10888.1
40°	10825.8	10790.1	11075.2	11440.3	11769.9	12014.8	11912.4	11720.9	11235.5	11239.9	11293.4
42.5°	11640.7	11658.5	11876.7	12313.1	12762.9	12914.3	12589.2	12121.7	11582.8	11524.9	11640.7
45°	12326.5	12397.8	12522.4	13105.8	13546.7	13711.5	13110.3	12558.1	11836.7	11596.2	11787.7
47.5°	12571.4	12687.2	12958.9	13493.2	13929.7	14063.3	13582.3	12789.6	12072.7	11680.8	11783.2
50°	12607.1	12567.0	13012.3	13502.2	13885.1	14174.6	13751.5	12958.9	12014.8	11809.9	11778.8
52.5°	11631.8	11827.7	12304.2	12976.7	13751.5	14214.7	13902.9	13052.4	12094.9	11863.4	11787.7
55°	9414.1	9182.5	10050.9	11182.0	12607.1	13894.0	13849.5	13101.4	12143.9	11952.4	11850.0
57.5°	5254.8	5321.6	5811.4	7040.5	8879.7	11017.3	12313.1	12584.8	12121.7	12010.3	12063.8
60°	2431.5	2453.7	2663.0	3237.5	4377.5	6247.9	7953.4	9685.7	10482.9	10643.2	10643.2
62.5°	1812.5	1803.6	1857.0	1959.4	2199.9	2872.3	3834.2	5210.3	6305.8	7071.7	7272.1
65°	1638.8	1634.3	1661.0	1696.7	1714.5	1808.0	2021.8	2444.8	2801.1	3005.9	2970.3
67.5°	1433.9	1429.5	1438.4	1460.7	1491.8	1540.8	1594.3	1683.3	1808.0	1799.1	1776.8
70°	1157.8	1157.8	1171.2	1189.0	1224.6	1282.5	1344.9	1407.2	1514.1	1536.4	1531.9
72.5°	855.0	841.7	868.4	904.0	939.6	1010.9	1077.7	1135.6	1211.3	1233.5	1224.6
75°	543.3	552.2	570.0	610.1	672.4	721.4	792.7	841.7	890.6	908.5	912.9
77.5°	302.8	311.7	342.9	391.9	454.2	507.7	570.0	610.1	641.3	645.7	650.2
80°	182.6	187.0	218.2	262.7	316.2	374.1	423.1	463.1	489.9	476.5	472.0
82.5°	111.3	115.8	142.5	182.6	227.1	271.6	325.1	360.7	387.4	369.6	351.8
85°	57.9	62.3	84.6	111.3	147.0	169.2	169.2	151.4	147.0	138.0	133.6
87.5°	17.8	17.8	22.3	26.7	22.3	26.7	31.2	35.6	35.6	40.1	35.6
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)