

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: P532364

Luminaire Tested: **GALN-SA7D-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532364
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-SA7D-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1200mA 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: 39485 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

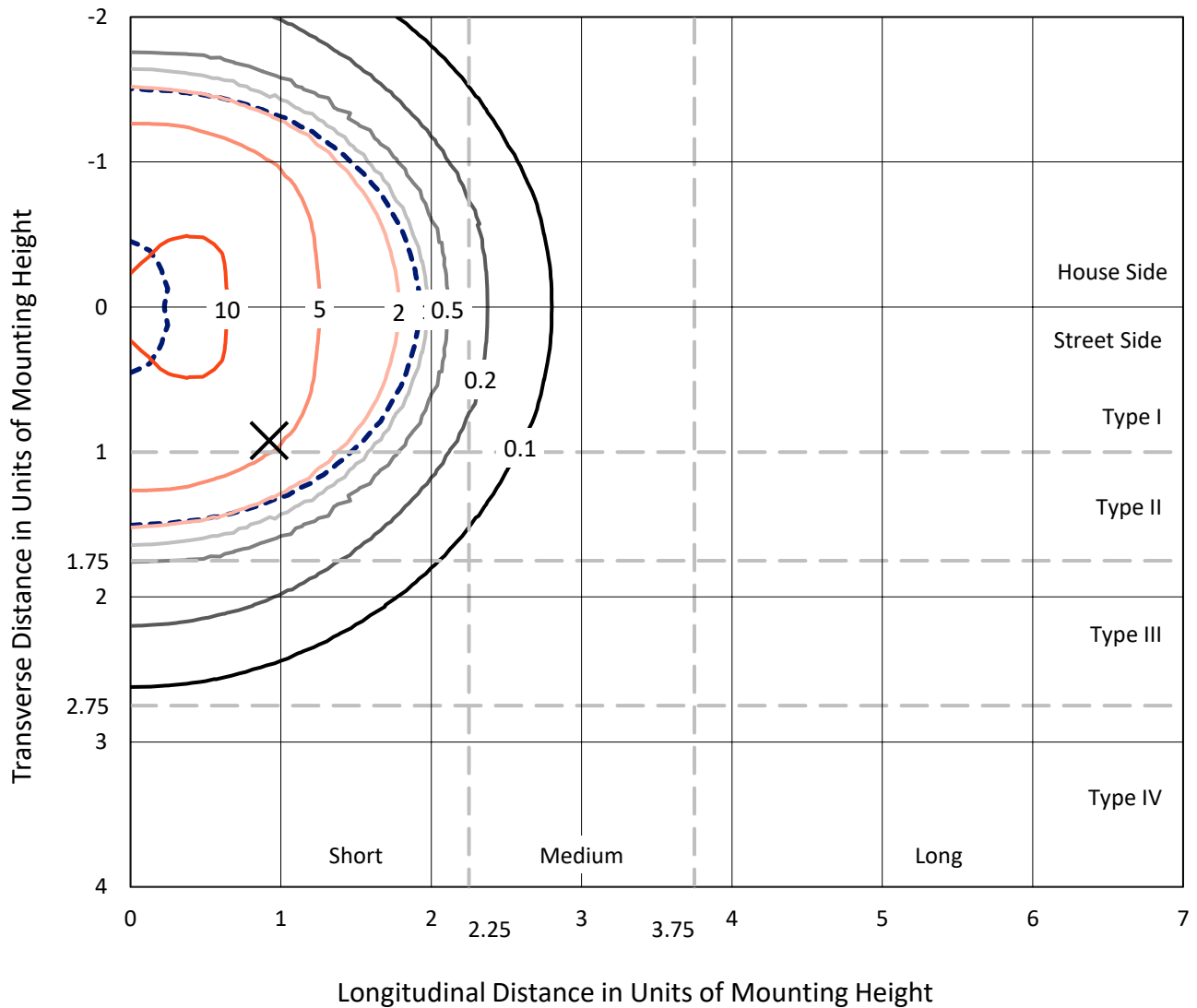
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

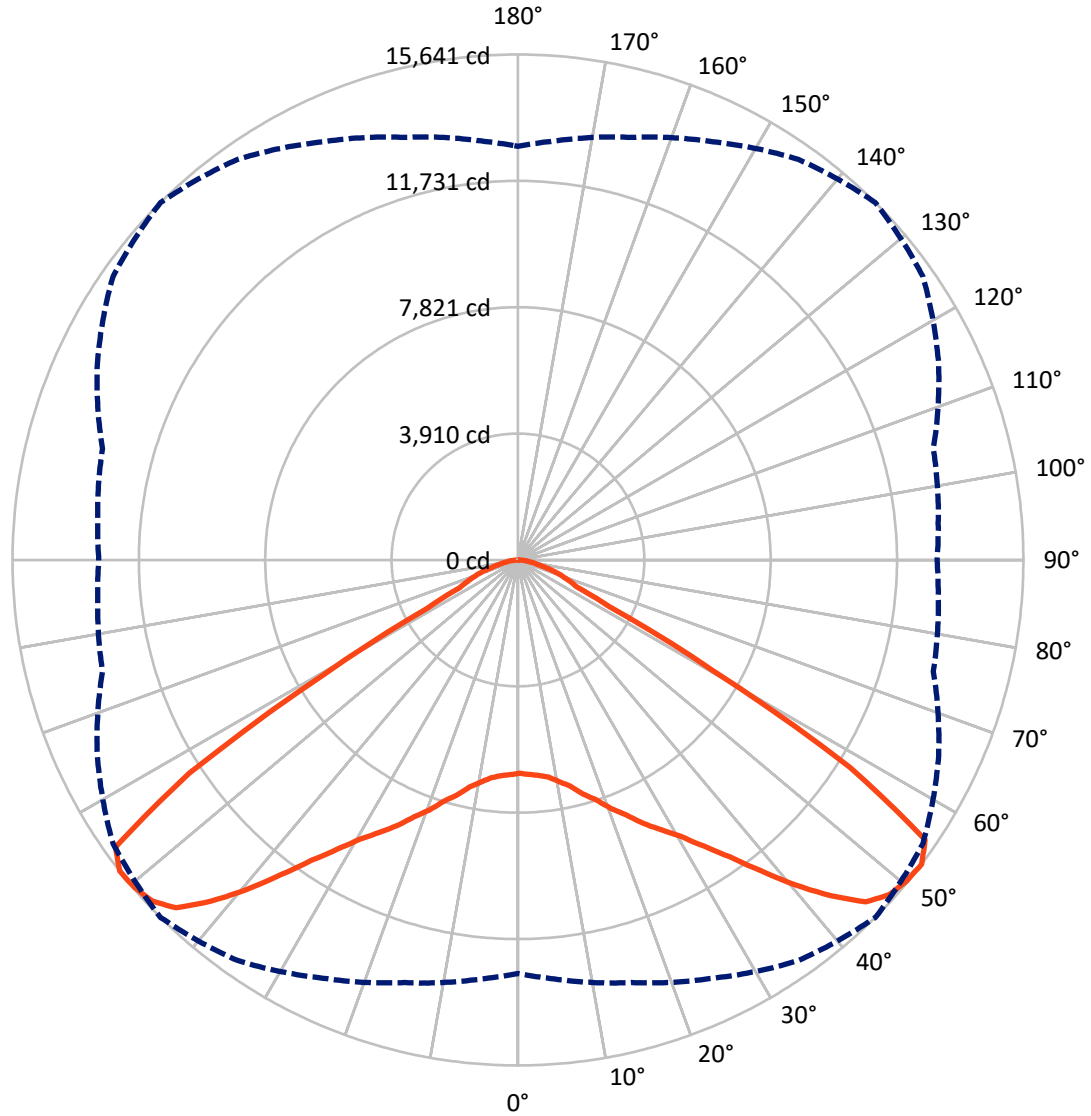
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19742.5	0.0	19742.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19742.5	0.0	19742.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39485.0	0.0	39485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.5	1.6
10°-20°	2130.8	5.4
20°-30°	4056.8	10.3
30°-40°	6965.8	17.6
40°-50°	10706.7	27.1
50°-60°	10872.5	27.5
60°-70°	3030.0	7.7
70°-80°	893.8	2.3
80°-90°	180.0	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°	39485.0	100.0
0°-180°	39485.0	100.0

Coefficient of Utilization



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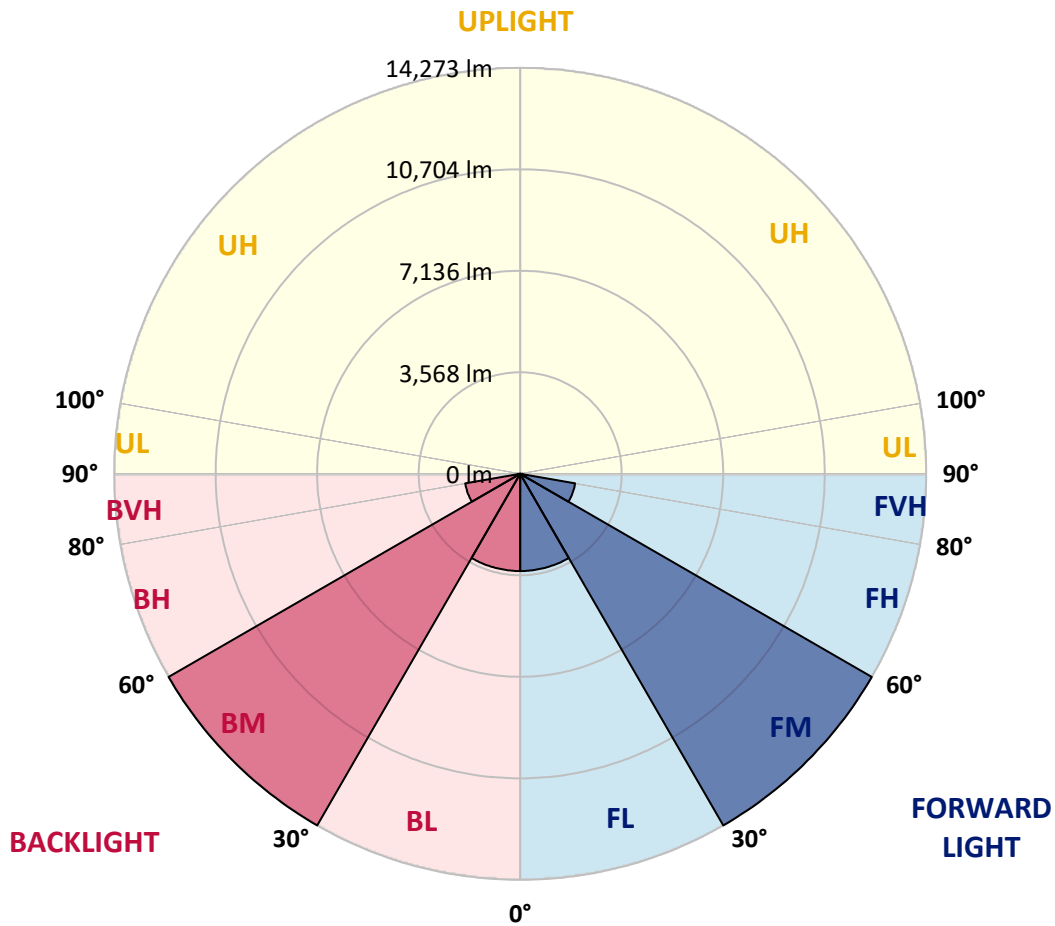
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3418.1	8.7			
FM (30°-60°)	14272.5	36.1			
FH (60°-80°)	1961.9	5.0			G2/5000
FVH (80°-90°)	90.0	0.2			G1/100
BL (0°-30°)	3418.1	8.7	B4/5000		
BM (30°-60°)	14272.5	36.1	B5		
BH (60°-80°)	1961.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	90.0	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6600.4	6600.4	6600.4	6600.4	6600.4	6600.4	6600.4	6600.4	6600.4	6600.4	6600.4
2.5°	6615.1	6546.5	6571.0	6585.7	6649.4	6644.5	6629.8	6649.4	6669.0	6673.9	6664.1
5°	6610.2	6561.2	6580.8	6595.5	6659.2	6693.5	6683.7	6767.0	6825.8	6811.1	6884.6
7.5°	6571.0	6600.4	6575.9	6649.4	6703.3	6786.6	6874.8	6953.2	7026.7	7110.0	7124.7
10°	6659.2	6659.2	6703.3	6762.1	6904.2	6967.9	7095.3	7208.1	7350.2	7448.2	7409.0
12.5°	6752.3	6767.0	6767.0	6918.9	7036.5	7178.7	7296.3	7448.2	7649.1	7766.7	7825.5
15°	6845.4	6855.2	6904.2	7110.0	7286.5	7511.9	7619.7	7756.9	7869.6	8090.1	8095.0
17.5°	6928.7	6982.6	7129.6	7360.0	7580.5	7796.1	7967.6	8109.7	8207.7	8295.9	8276.3
20°	7242.4	7281.6	7433.5	7663.8	7992.1	8202.8	8261.6	8286.1	8349.8	8526.2	8472.3
22.5°	7546.2	7560.9	7703.0	8055.8	8286.1	8565.4	8629.1	8614.4	8638.9	8683.0	8761.4
25°	7859.8	7884.3	8080.3	8379.2	8702.6	9035.8	9089.7	8977.0	8942.7	8991.7	8996.6
27.5°	8261.6	8266.5	8516.4	8776.1	9143.6	9457.2	9540.5	9452.3	9290.6	9329.8	9393.5
30°	8771.2	8736.9	8986.8	9359.2	9746.3	9922.7	10064.8	10020.7	9844.3	9810.0	9756.1
32.5°	9359.2	9369.0	9594.4	10001.1	10255.9	10549.9	10701.8	10628.3	10515.6	10456.8	10491.1
35°	10187.3	10231.4	10383.3	10721.4	11133.0	11280.0	11520.1	11363.3	11069.3	11142.8	11206.5
37.5°	10868.4	10995.8	11280.0	11681.8	11926.8	12196.4	12284.6	12073.9	11858.2	11770.0	11980.8
40°	11912.1	11872.9	12186.6	12588.4	12951.0	13220.5	13107.8	12897.1	12363.0	12367.9	12426.7
42.5°	12808.9	12828.5	13068.6	13548.8	14043.7	14210.3	13852.6	13338.1	12745.2	12681.5	12808.9
45°	13563.5	13641.9	13779.1	14421.0	14906.1	15087.4	14425.9	13818.3	13024.5	12759.9	12970.6
47.5°	13833.0	13960.4	14259.3	14847.3	15327.5	15474.5	14945.3	14073.1	13284.2	12853.0	12965.7
50°	13872.2	13828.1	14318.1	14857.1	15278.5	15597.0	15131.5	14259.3	13220.5	12995.1	12960.8
52.5°	12799.1	13014.7	13539.0	14278.9	15131.5	15641.1	15298.1	14362.2	13308.7	13053.9	12970.6
55°	10358.8	10104.0	11059.5	12304.2	13872.2	15288.3	15239.3	14416.1	13362.6	13151.9	13039.2
57.5°	5782.1	5855.6	6394.6	7747.1	9770.8	12122.9	13548.8	13847.7	13338.1	13215.6	13274.4
60°	2675.5	2700.0	2930.3	3562.4	4816.8	6874.8	8751.6	10657.7	11534.8	11711.2	11711.2
62.5°	1994.3	1984.5	2043.3	2156.0	2420.7	3160.6	4219.0	5733.1	6938.5	7781.4	8001.9
65°	1803.2	1798.3	1827.7	1866.9	1886.5	1989.4	2224.6	2690.2	3082.2	3307.6	3268.4
67.5°	1577.8	1572.9	1582.7	1607.2	1641.5	1695.4	1754.2	1852.2	1989.4	1979.6	1955.1
70°	1274.0	1274.0	1288.7	1308.3	1347.5	1411.2	1479.8	1548.4	1666.0	1690.5	1685.6
72.5°	940.8	926.1	955.5	994.7	1033.9	1112.3	1185.8	1249.5	1332.8	1357.3	1347.5
75°	597.8	607.6	627.2	671.3	739.9	793.8	872.2	926.1	980.0	999.6	1004.5
77.5°	333.2	343.0	377.3	431.2	499.8	558.6	627.2	671.3	705.6	710.5	715.4
80°	200.9	205.8	240.1	289.1	347.9	411.6	465.5	509.6	539.0	524.3	519.4
82.5°	122.5	127.4	156.8	200.9	249.9	298.9	357.7	396.9	426.3	406.7	387.1
85°	63.7	68.6	93.1	122.5	161.7	186.2	186.2	166.6	161.7	151.9	147.0
87.5°	19.6	19.6	24.5	29.4	24.5	29.4	34.3	39.2	39.2	44.1	39.2
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)