

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: P534288

Luminaire Tested: **GALN-SA9D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534288
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-SA9D-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 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: 57244 lumens
Efficiency: N/A
Efficacy: 103.7 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

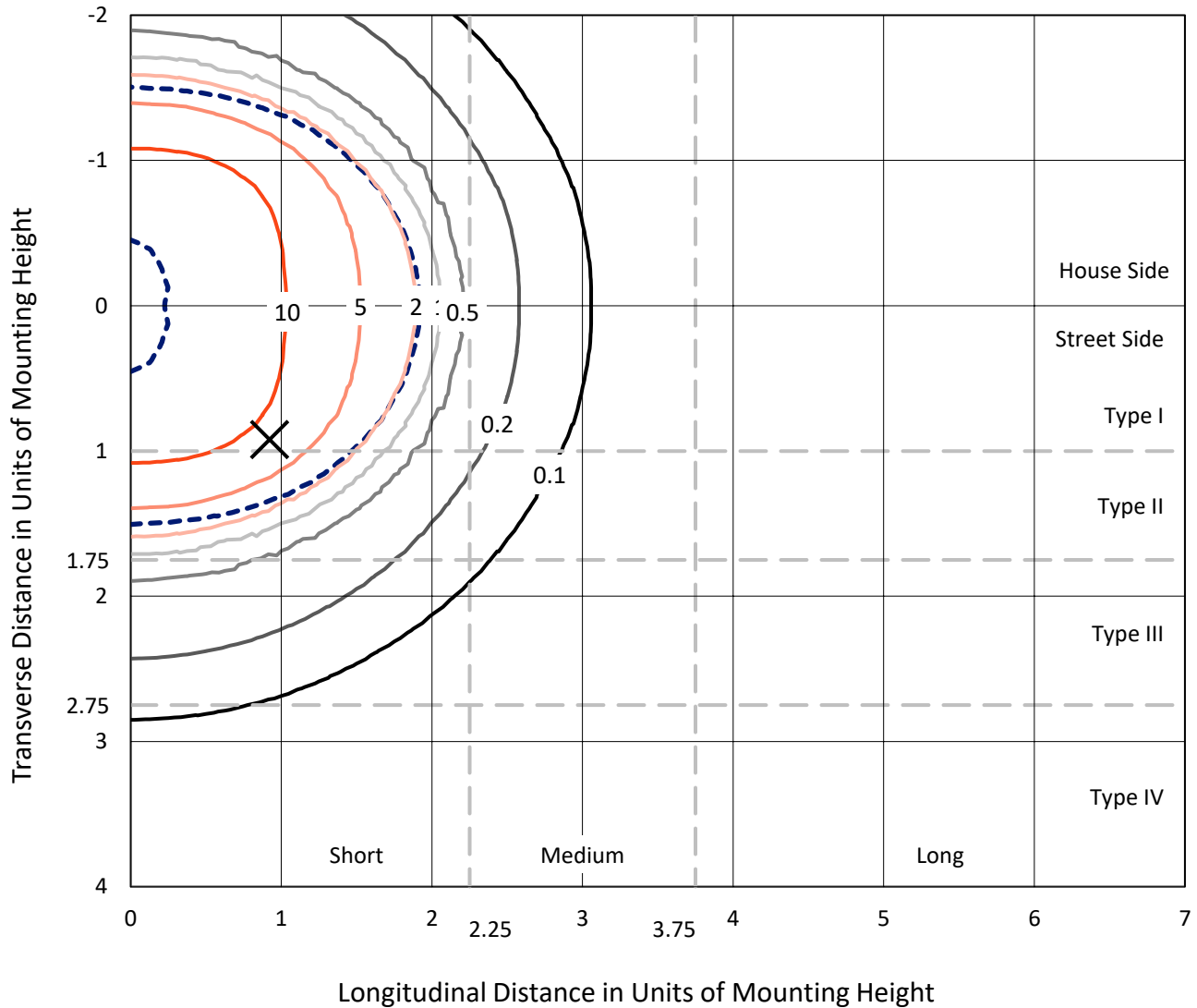
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

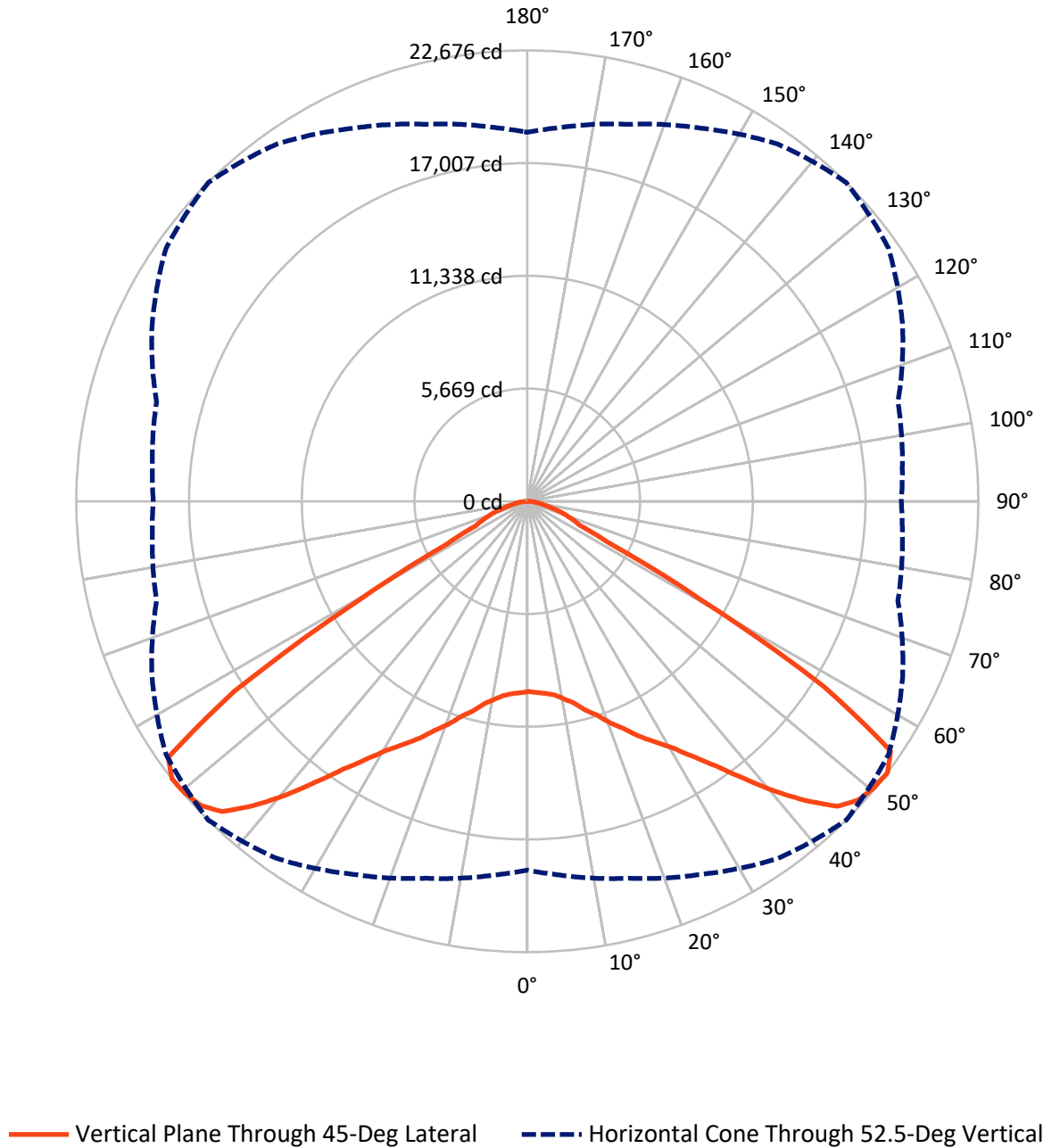
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 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	28622.0	0.0	28622.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28622.0	0.0	28622.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57244.0	0.0	57244.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.1	1.6
10°-20°	3089.2	5.4
20°-30°	5881.4	10.3
30°-40°	10098.8	17.6
40°-50°	15522.2	27.1
50°-60°	15762.5	27.5
60°-70°	4392.8	7.7
70°-80°	1295.8	2.3
80°-90°	261.0	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°	57244.0	100.0
0°-180°	57244.0	100.0

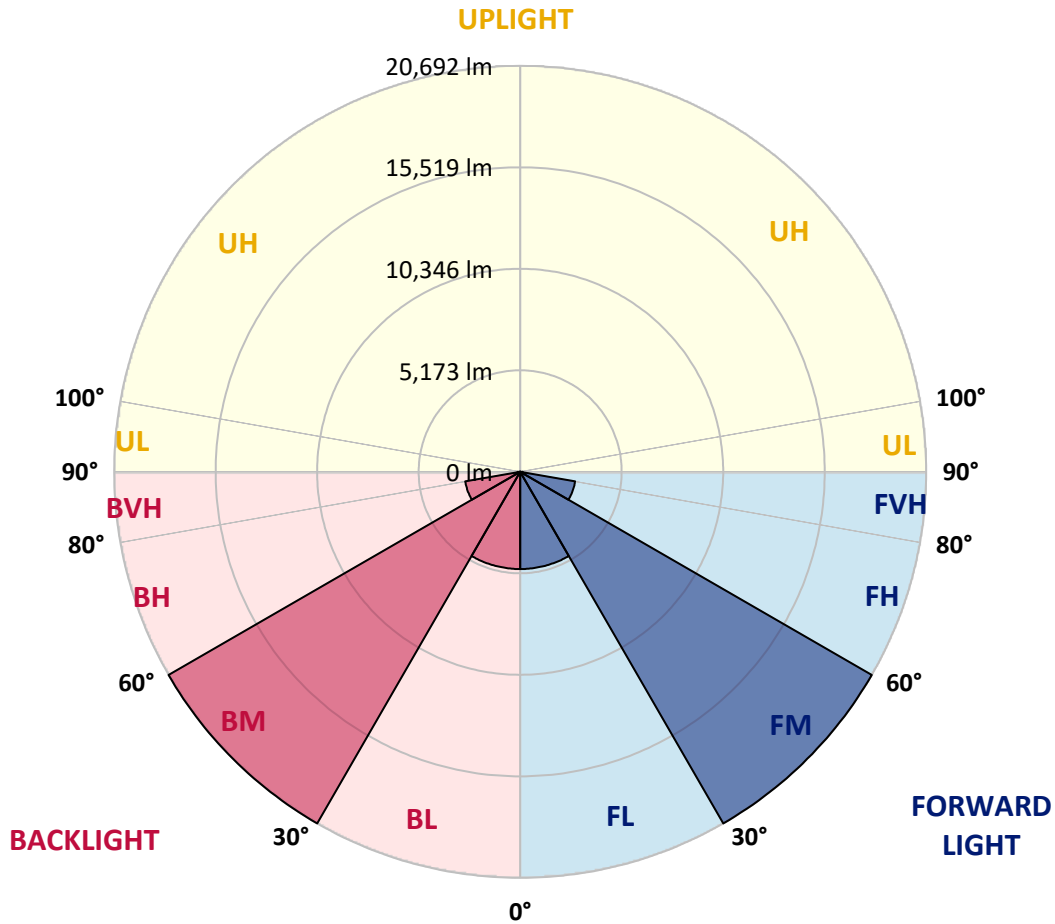


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4955.4	8.7			
FM (30°-60°)	20691.8	36.1			
FH (60°-80°)	2844.3	5.0			G2/5000
FVH (80°-90°)	130.5	0.2			G2/225
BL (0°-30°)	4955.4	8.7	B4/5000		
BM (30°-60°)	20691.8	36.1	B5		
BH (60°-80°)	2844.3	5.0	B4/5000		G2/5000
BVH (80°-90°)	130.5	0.2			G2/225
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°	9569.1	9569.1	9569.1	9569.1	9569.1	9569.1	9569.1	9569.1	9569.1	9569.1	9569.1
2.5°	9590.4	9490.9	9526.5	9547.8	9640.1	9633.0	9611.7	9640.1	9668.5	9675.6	9661.4
5°	9583.3	9512.3	9540.7	9562.0	9654.3	9704.1	9689.9	9810.6	9895.9	9874.6	9981.1
7.5°	9526.5	9569.1	9533.6	9640.1	9718.3	9839.0	9966.9	10080.6	10187.1	10307.9	10329.2
10°	9654.3	9654.3	9718.3	9803.5	10009.5	10101.9	10286.6	10450.0	10656.0	10798.1	10741.2
12.5°	9789.3	9810.6	9810.6	10030.8	10201.3	10407.4	10577.9	10798.1	11089.3	11259.8	11345.1
15°	9924.3	9938.5	10009.5	10307.9	10563.6	10890.4	11046.7	11245.6	11409.0	11728.7	11735.8
17.5°	10045.1	10123.2	10336.3	10670.2	10989.9	11302.5	11551.1	11757.1	11899.2	12027.1	11998.7
20°	10499.7	10556.5	10776.8	11110.7	11586.6	11892.1	11977.3	12012.9	12105.2	12361.0	12282.8
22.5°	10940.2	10961.5	11167.5	11679.0	12012.9	12417.8	12510.1	12488.8	12524.4	12588.3	12702.0
25°	11394.8	11430.3	11714.5	12147.8	12616.7	13099.8	13177.9	13014.5	12964.8	13035.8	13042.9
27.5°	11977.3	11984.4	12346.8	12723.3	13256.1	13710.7	13831.5	13703.6	13469.2	13526.0	13618.4
30°	12716.2	12666.4	13028.7	13568.6	14129.9	14385.6	14591.6	14527.7	14271.9	14222.2	14144.1
32.5°	13568.6	13582.8	13909.6	14499.3	14868.7	15294.9	15515.1	15408.6	15245.2	15159.9	15209.7
35°	14769.2	14833.2	15053.4	15543.6	16140.3	16353.4	16701.5	16474.2	16047.9	16154.5	16246.8
37.5°	15756.7	15941.4	16353.4	16935.9	17291.1	17681.9	17809.7	17504.3	17191.7	17063.8	17369.3
40°	17269.8	17213.0	17667.6	18250.2	18775.9	19166.6	19003.2	18697.7	17923.4	17930.5	18015.7
42.5°	18569.9	18598.3	18946.4	19642.6	20360.1	20601.6	20083.0	19337.1	18477.5	18385.2	18569.9
45°	19663.9	19777.5	19976.5	20907.1	21610.4	21873.2	20914.2	20033.3	18882.4	18498.8	18804.3
47.5°	20054.6	20239.3	20672.6	21525.1	22221.3	22434.4	21667.2	20402.7	19258.9	18633.8	18797.2
50°	20111.4	20047.5	20757.9	21539.3	22150.3	22612.0	21937.2	20672.6	19166.6	18839.8	18790.1
52.5°	18555.6	18868.2	19628.4	20701.1	21937.2	22676.0	22178.7	20821.8	19294.5	18925.1	18804.3
55°	15017.9	14648.4	16033.7	17838.1	20111.4	22164.5	22093.4	20900.0	19372.6	19067.1	18903.7
57.5°	8382.7	8489.3	9270.7	11231.4	14165.4	17575.3	19642.6	20075.9	19337.1	19159.5	19244.7
60°	3878.8	3914.3	4248.2	5164.6	6983.2	9966.9	12687.7	15451.2	16722.8	16978.6	16978.6
62.5°	2891.3	2877.1	2962.4	3125.8	3509.4	4582.1	6116.5	8311.7	10059.3	11281.2	11600.8
65°	2614.3	2607.2	2649.8	2706.6	2735.0	2884.2	3225.2	3900.1	4468.4	4795.2	4738.4
67.5°	2287.5	2280.4	2294.6	2330.1	2379.8	2458.0	2543.2	2685.3	2884.2	2870.0	2834.5
70°	1847.0	1847.0	1868.4	1896.8	1953.6	2046.0	2145.4	2244.9	2415.4	2450.9	2443.8
72.5°	1364.0	1342.7	1385.3	1442.1	1498.9	1612.6	1719.2	1811.5	1932.3	1967.8	1953.6
75°	866.7	880.9	909.3	973.2	1072.7	1150.8	1264.5	1342.7	1420.8	1449.2	1456.3
77.5°	483.1	497.3	547.0	625.2	724.6	809.9	909.3	973.2	1023.0	1030.1	1037.2
80°	291.3	298.4	348.1	419.1	504.4	596.7	674.9	738.8	781.4	760.1	753.0
82.5°	177.6	184.7	227.3	291.3	362.3	433.3	518.6	575.4	618.0	589.6	561.2
85°	92.4	99.5	135.0	177.6	234.4	270.0	270.0	241.5	234.4	220.2	213.1
87.5°	28.4	28.4	35.5	42.6	35.5	42.6	49.7	56.8	56.8	63.9	56.8
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)