

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: P534054

Luminaire Tested: **GALN-SA9C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534054
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-SA9C-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 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: 52024 lumens
Efficiency: N/A
Efficacy: 108.2 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

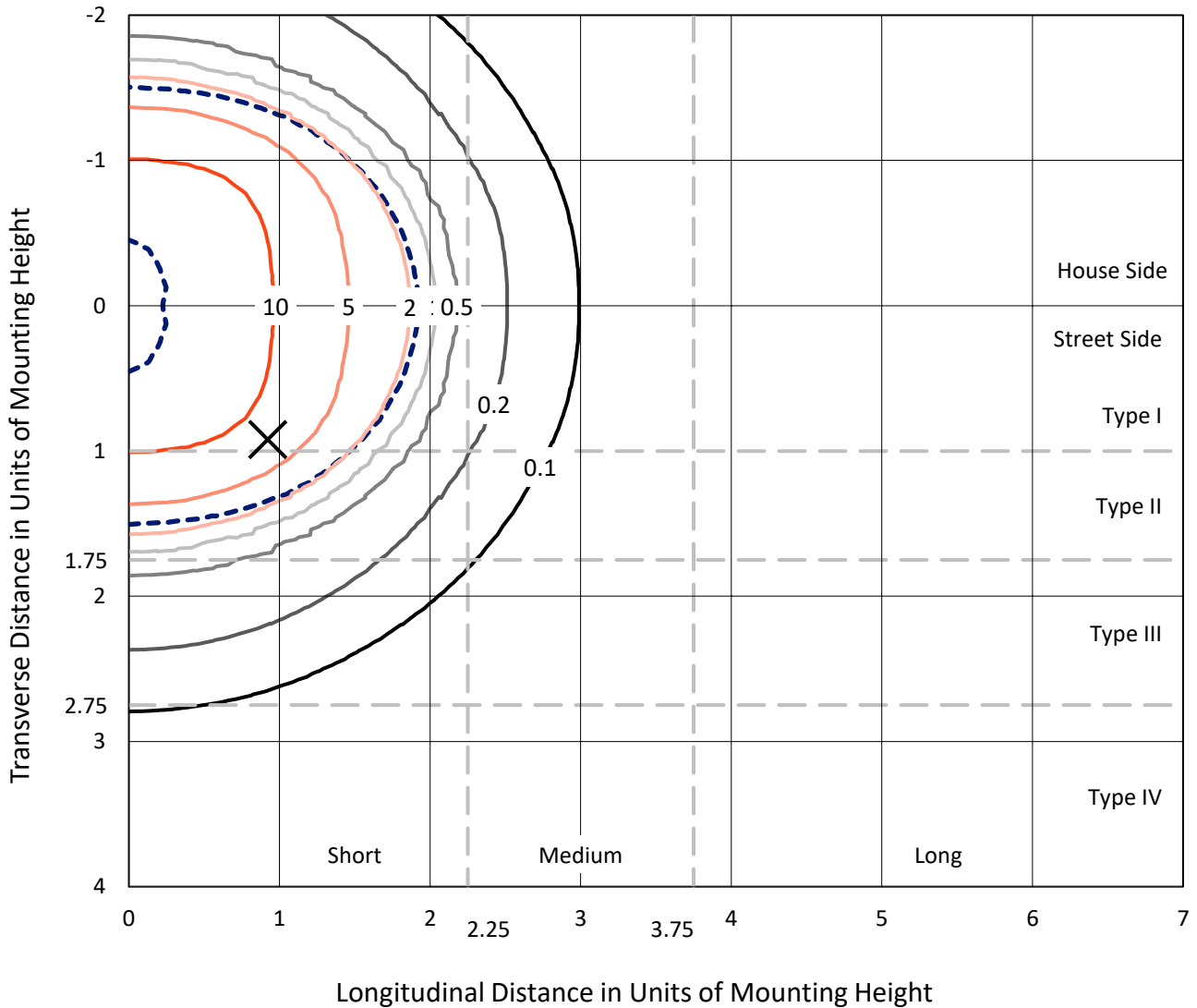
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

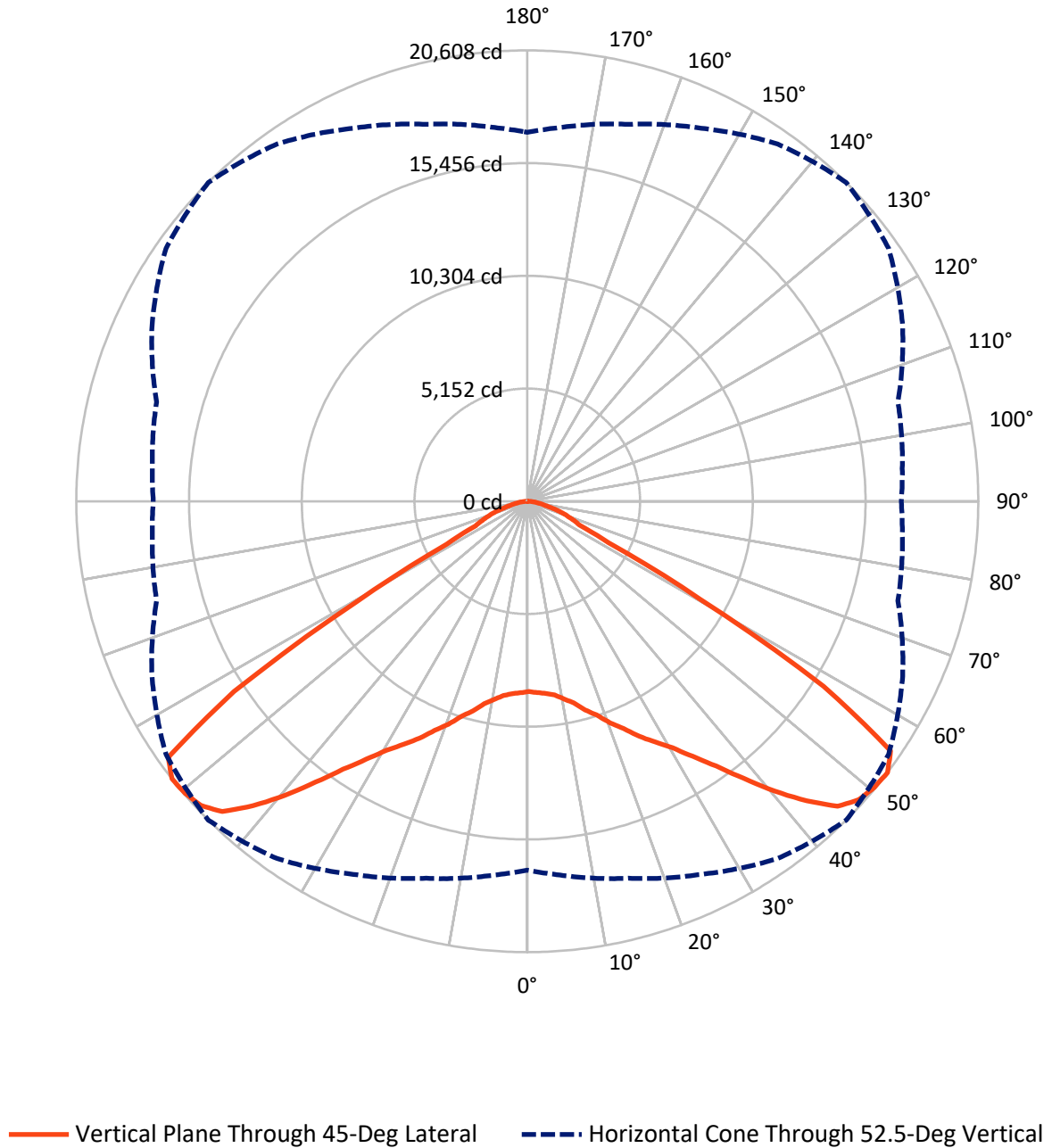
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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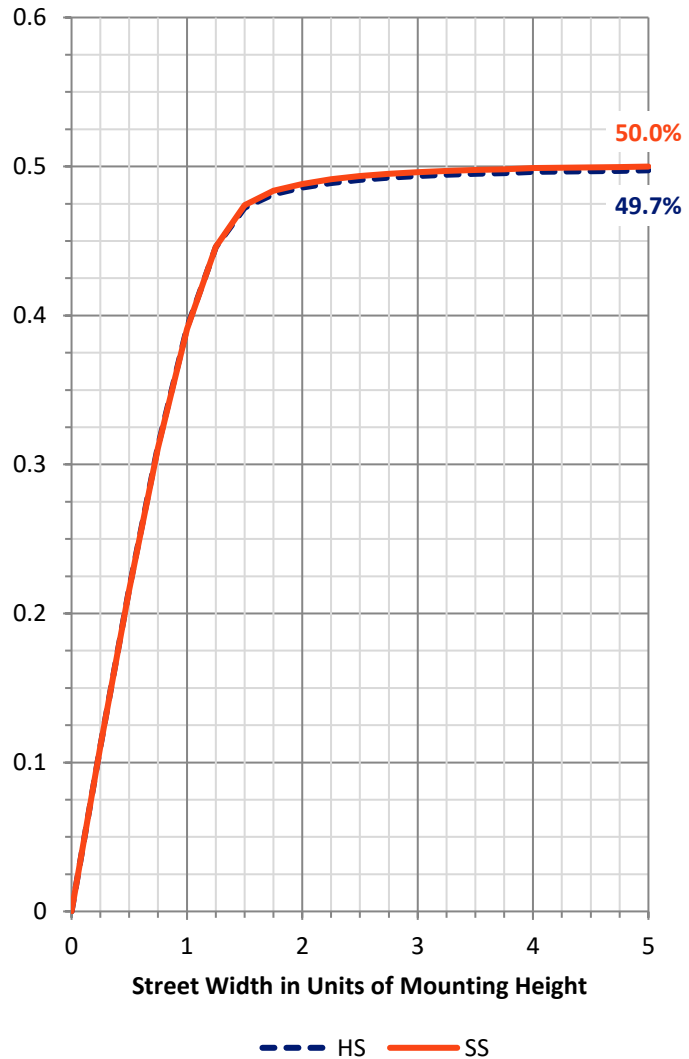
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26012.0	0.0	26012.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26012.0	0.0	26012.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52024.0	0.0	52024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.4	1.6
10°-20°	2807.5	5.4
20°-30°	5345.1	10.3
30°-40°	9177.9	17.6
40°-50°	14106.8	27.1
50°-60°	14325.2	27.5
60°-70°	3992.2	7.7
70°-80°	1177.7	2.3
80°-90°	237.2	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°	52024.0	100.0
0°-180°	52024.0	100.0

Coefficient of Utilization



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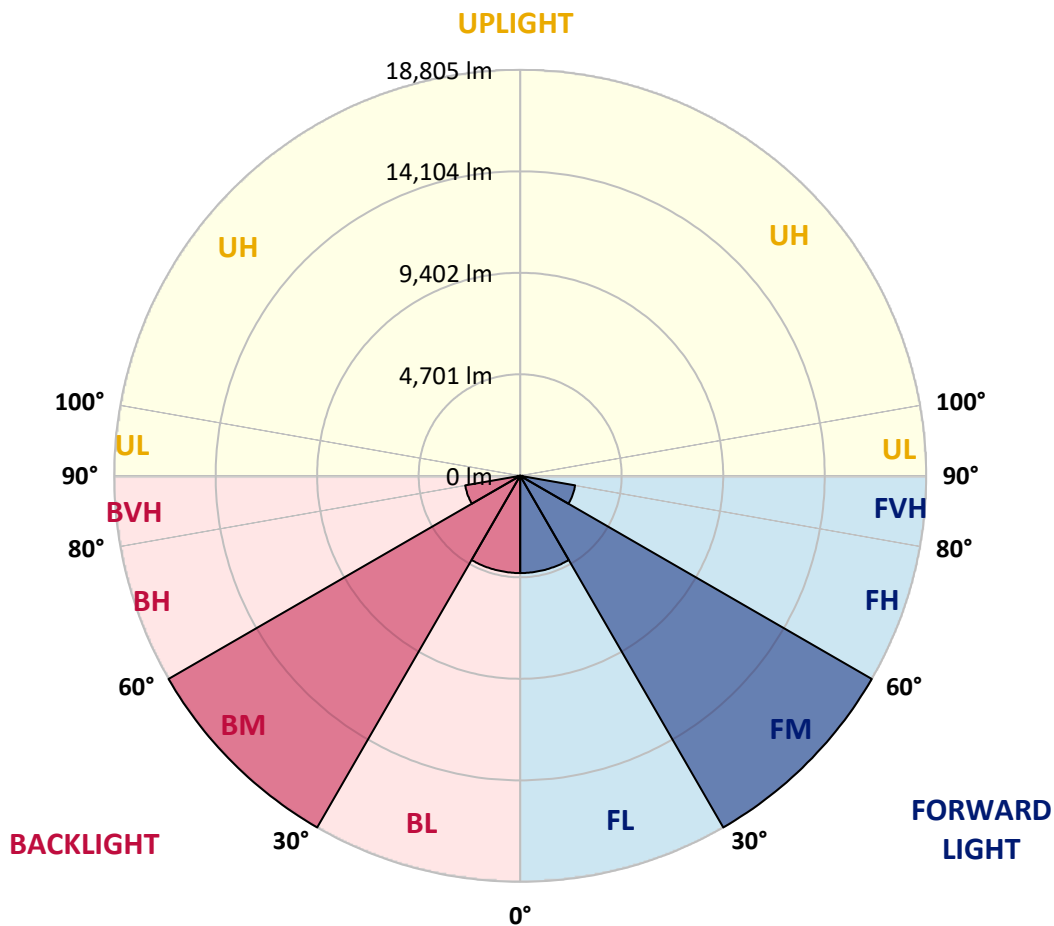
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4503.5	8.7			
FM (30°-60°)	18804.9	36.1			
FH (60°-80°)	2584.9	5.0			G2/5000
FVH (80°-90°)	118.6	0.2			G2/225
BL (0°-30°)	4503.5	8.7	B4/5000		
BM (30°-60°)	18804.9	36.1	B5		
BH (60°-80°)	2584.9	5.0	B4/5000		G2/5000
BVH (80°-90°)	118.6	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°	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5	8696.5
2.5°	8715.9	8625.5	8657.8	8677.1	8761.1	8754.6	8735.2	8761.1	8786.9	8793.3	8780.4
5°	8709.4	8644.8	8670.7	8690.0	8774.0	8819.2	8806.3	8916.0	8993.5	8974.1	9071.0
7.5°	8657.8	8696.5	8664.2	8761.1	8832.1	8941.8	9058.0	9161.3	9258.2	9367.9	9387.3
10°	8774.0	8774.0	8832.1	8909.6	9096.8	9180.7	9348.6	9497.1	9684.3	9813.4	9761.8
12.5°	8896.6	8916.0	8916.0	9116.1	9271.1	9458.3	9613.3	9813.4	10078.1	10233.1	10310.5
15°	9019.3	9032.2	9096.8	9367.9	9600.4	9897.3	10039.4	10220.2	10368.7	10659.2	10665.6
17.5°	9129.1	9200.1	9393.8	9697.2	9987.7	10271.8	10497.8	10685.0	10814.1	10930.3	10904.5
20°	9542.3	9593.9	9794.1	10097.5	10530.1	10807.7	10885.1	10917.4	11001.4	11233.8	11162.8
22.5°	9942.5	9961.9	10149.1	10614.0	10917.4	11285.4	11369.4	11350.0	11382.3	11440.4	11543.7
25°	10355.7	10388.0	10646.3	11040.1	11466.2	11905.2	11976.2	11827.8	11782.6	11847.1	11853.6
27.5°	10885.1	10891.6	11220.9	11563.0	12047.3	12460.5	12570.2	12454.0	12240.9	12292.6	12376.5
30°	11556.6	11511.4	11840.7	12331.3	12841.4	13073.8	13261.0	13202.9	12970.5	12925.3	12854.3
32.5°	12331.3	12344.2	12641.2	13177.1	13512.8	13900.2	14100.3	14003.5	13855.0	13777.5	13822.7
35°	13422.4	13480.5	13680.7	14126.2	14668.5	14862.2	15178.5	14971.9	14584.5	14681.4	14765.3
37.5°	14319.8	14487.7	14862.2	15391.6	15714.4	16069.5	16185.7	15908.1	15624.0	15507.8	15785.4
40°	15695.0	15643.4	16056.6	16586.0	17063.7	17418.8	17270.3	16992.7	16289.0	16295.4	16372.9
42.5°	16876.5	16902.3	17218.7	17851.4	18503.5	18723.0	18251.7	17573.8	16792.6	16708.6	16876.5
45°	17870.8	17974.1	18154.8	19000.6	19639.8	19878.6	19007.0	18206.5	17160.6	16811.9	17089.6
47.5°	18225.8	18393.7	18787.5	19562.3	20195.0	20388.7	19691.4	18542.2	17502.7	16934.6	17083.1
50°	18277.5	18219.4	18865.0	19575.2	20130.4	20550.1	19936.7	18787.5	17418.8	17121.8	17076.6
52.5°	16863.6	17147.7	17838.5	18813.4	19936.7	20608.2	20156.2	18923.1	17535.0	17199.3	17089.6
55°	13648.4	13312.7	14571.6	16211.5	18277.5	20143.3	20078.8	18994.1	17606.0	17328.4	17179.9
57.5°	7618.3	7715.2	8425.3	10207.2	12873.7	15972.6	17851.4	18245.2	17573.8	17412.4	17489.8
60°	3525.1	3557.4	3860.8	4693.7	6346.4	9058.0	11530.8	14042.2	15197.9	15430.3	15430.3
62.5°	2627.7	2614.8	2692.2	2840.7	3189.4	4164.2	5558.8	7553.8	9142.0	10252.4	10543.0
65°	2375.9	2369.4	2408.2	2459.8	2485.6	2621.2	2931.1	3544.5	4060.9	4357.9	4306.3
67.5°	2078.9	2072.4	2085.4	2117.6	2162.8	2233.8	2311.3	2440.4	2621.2	2608.3	2576.0
70°	1678.6	1678.6	1698.0	1723.8	1775.5	1859.4	1949.8	2040.2	2195.1	2227.4	2220.9
72.5°	1239.6	1220.2	1259.0	1310.6	1362.3	1465.6	1562.4	1646.3	1756.1	1788.4	1775.5
75°	787.7	800.6	826.4	884.5	974.9	1045.9	1149.2	1220.2	1291.2	1317.1	1323.5
77.5°	439.0	451.9	497.1	568.1	658.5	736.0	826.4	884.5	929.7	936.1	942.6
80°	264.7	271.2	316.4	380.9	458.4	542.3	613.3	671.4	710.2	690.8	684.4
82.5°	161.4	167.9	206.6	264.7	329.3	393.8	471.3	523.0	561.7	535.9	510.0
85°	83.9	90.4	122.7	161.4	213.1	245.3	245.3	219.5	213.1	200.1	193.7
87.5°	25.8	25.8	32.3	38.7	32.3	38.7	45.2	51.6	51.6	58.1	51.6
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)