

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: P534048

Luminaire Tested: **GALN-SA9C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534048
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-SA9C-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 53478 lumens
Efficiency: N/A
Efficacy: 111.2 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

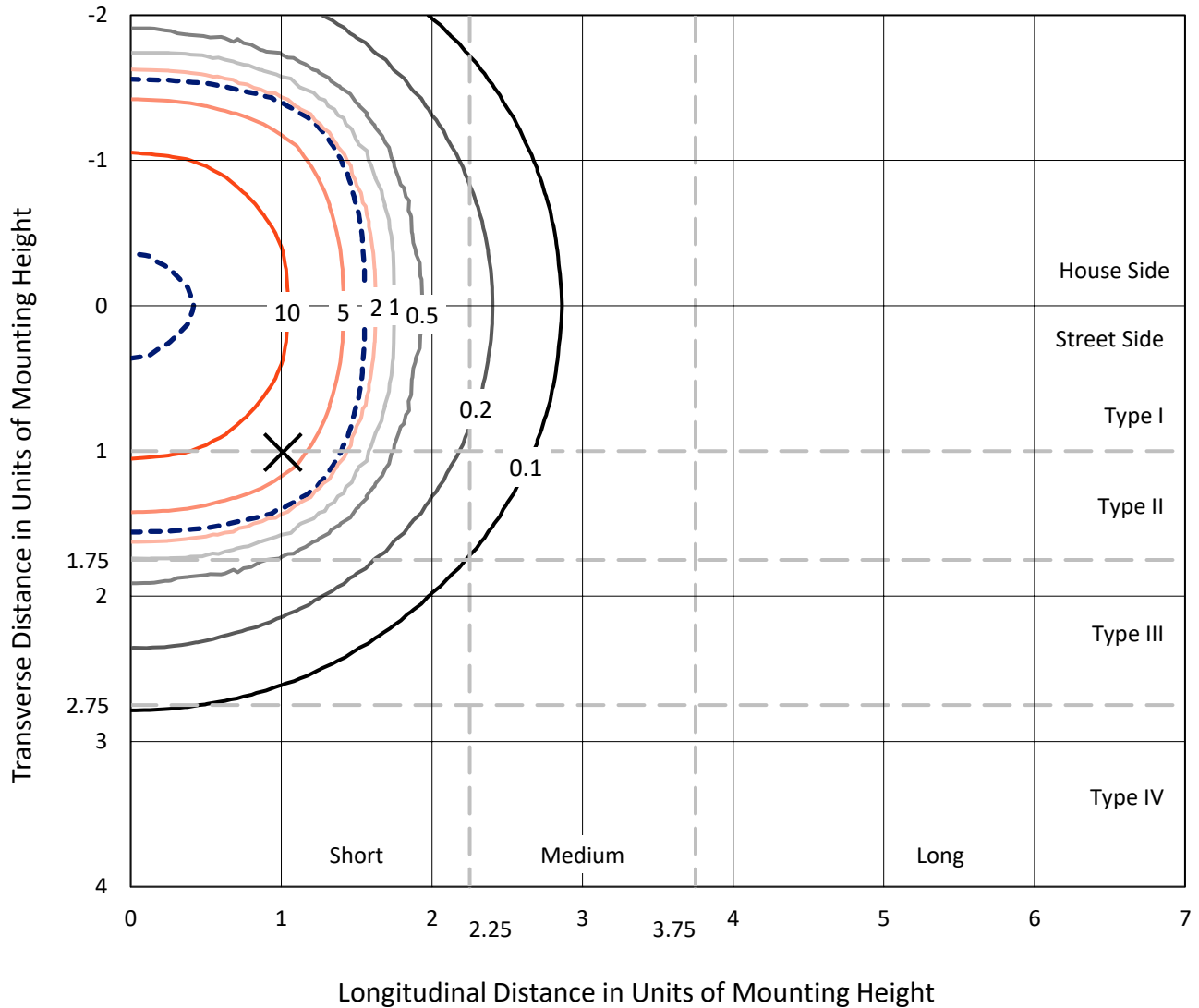
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

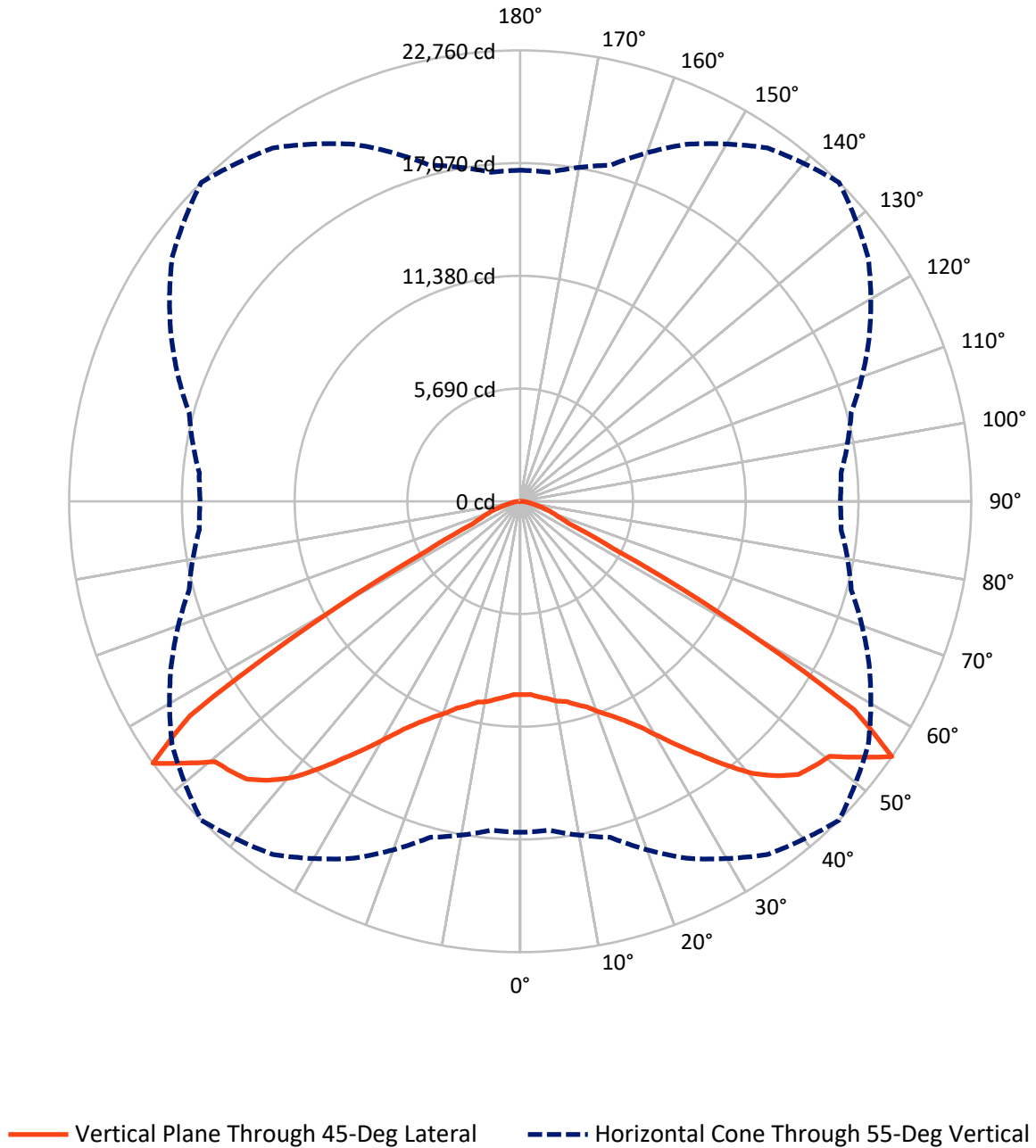
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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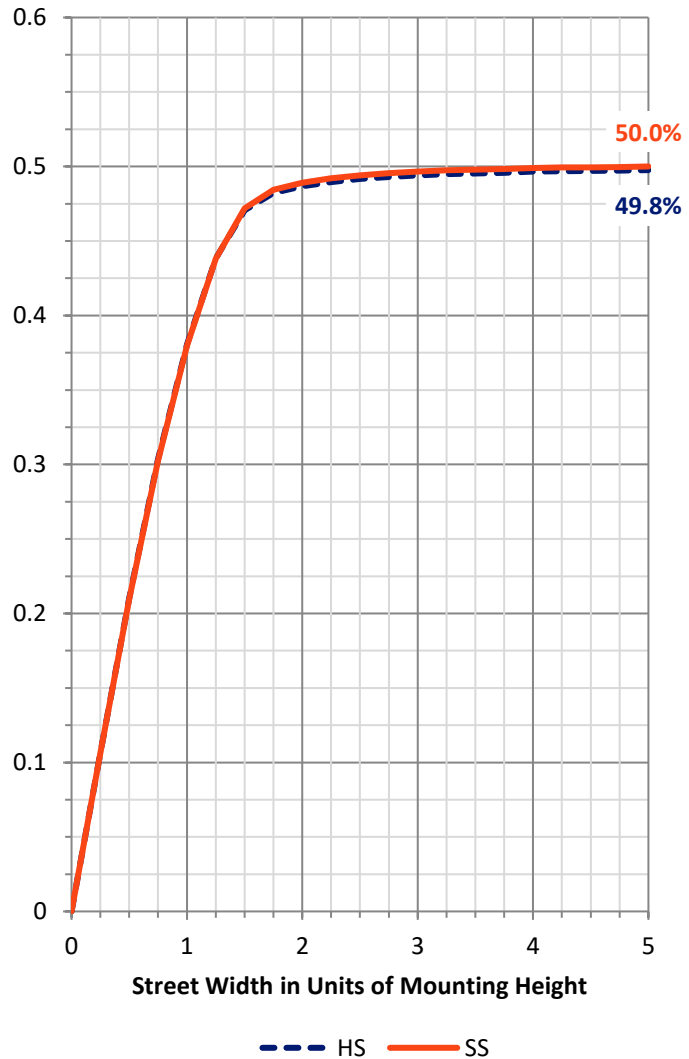
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26739.0	0.0	26739.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26739.0	0.0	26739.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	53478.0	0.0	53478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	953.9	1.8
10°-20°	3022.4	5.7
20°-30°	5635.8	10.5
30°-40°	9436.1	17.6
40°-50°	14683.3	27.5
50°-60°	15245.9	28.5
60°-70°	3233.1	6.0
70°-80°	1064.8	2.0
80°-90°	202.8	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°	53478.0	100.0
0°-180°	53478.0	100.0

Coefficient of Utilization

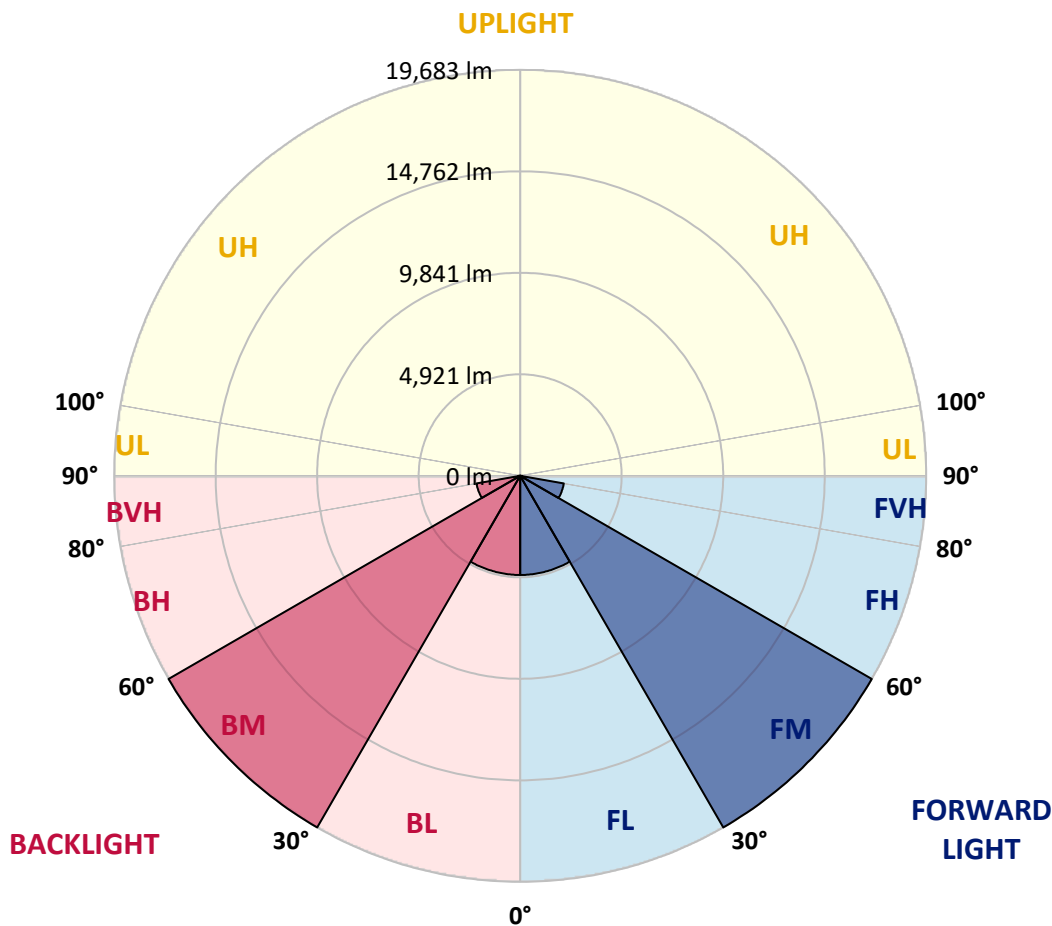


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4806.0	9.0			
FM (30°-60°)	19682.6	36.8			
FH (60°-80°)	2149.0	4.0			G2/5000
FVH (80°-90°)	101.4	0.2			G2/225
BL (0°-30°)	4806.0	9.0	B4/5000		
BM (30°-60°)	19682.6	36.8	B5		
BH (60°-80°)	2149.0	4.0	B3/2500		G2/5000
BVH (80°-90°)	101.4	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°	9764.3	9764.3	9764.3	9764.3	9764.3	9764.3	9764.3	9764.3	9764.3	9764.3	9764.3
2.5°	9880.6	9835.4	9757.8	9816.0	9861.2	9764.3	9803.1	9822.4	9809.5	9757.8	9777.2
5°	10022.8	9996.9	9932.3	9977.5	9919.4	9919.4	9880.6	9828.9	9906.5	9893.5	9925.8
7.5°	10022.8	9990.5	10119.7	10035.7	10061.5	10061.5	9996.9	9945.2	9984.0	9925.8	9893.5
10°	10223.1	10268.3	10210.2	10229.6	10216.6	10261.9	10164.9	10132.6	10100.3	10080.9	10042.2
12.5°	10462.2	10429.9	10449.3	10436.3	10481.6	10365.3	10307.1	10236.0	10294.2	10210.2	10268.3
15°	10656.1	10636.7	10656.1	10707.8	10662.5	10656.1	10552.7	10481.6	10391.1	10410.5	10320.0
17.5°	10921.0	10901.6	10908.1	10953.3	10946.9	10914.5	10837.0	10701.3	10669.0	10617.3	10559.1
20°	11315.2	11282.9	11270.0	11289.3	11321.7	11347.5	11192.4	11140.7	11030.9	10946.9	10849.9
22.5°	11651.2	11638.3	11690.0	11606.0	11677.1	11754.6	11606.0	11580.1	11308.7	11263.5	11160.1
25°	12116.5	12097.1	12064.8	12187.6	12271.6	12265.1	12123.0	11980.8	11774.0	11722.3	11722.3
27.5°	12607.6	12497.8	12665.8	12698.1	12846.7	12892.0	12769.2	12562.4	12368.5	12258.7	12284.5
30°	13221.5	13118.1	13156.9	13389.5	13583.4	13751.4	13441.2	13137.5	12866.1	12672.2	12639.9
32.5°	13835.4	13732.0	13848.4	14074.5	14462.3	14714.3	14410.6	13880.7	13564.0	13279.7	13337.8
35°	14333.0	14410.6	14598.0	14940.5	15341.1	15748.2	15263.6	14856.4	14404.1	14087.5	14132.7
37.5°	15134.3	15373.4	15522.0	15916.2	16484.9	16904.9	16400.9	15871.0	15386.3	14972.8	14830.6
40°	16181.2	16342.7	16510.8	16976.0	17648.1	18068.1	17589.9	16898.5	16420.3	15993.8	15974.4
42.5°	17331.4	17486.5	17661.0	18229.7	18630.3	18947.0	18507.6	18139.2	17609.3	17273.3	17253.9
45°	18669.1	18559.3	18753.1	19127.9	19463.9	19670.7	19386.4	19205.5	18824.2	18514.0	18481.7
47.5°	19560.9	19463.9	19812.9	20148.9	20200.6	19974.5	20032.6	20200.6	19800.0	19289.5	19451.0
50°	20077.9	20077.9	20310.5	20620.7	20523.7	20232.9	20691.8	20704.7	20304.0	19851.7	19851.7
52.5°	19179.6	19379.9	20039.1	21053.6	21376.7	21460.7	21357.4	20917.9	19871.1	18947.0	18901.7
55°	16711.1	16665.8	17557.6	19884.0	21764.5	22759.6	21441.4	19418.7	17292.7	16252.3	16148.9
57.5°	10869.3	10921.0	12252.2	14623.8	18016.4	19871.1	17648.1	14804.8	12252.2	10817.6	10953.3
60°	4891.8	5066.3	5874.1	7644.7	10559.1	12071.3	10585.0	8032.4	6164.9	5350.6	5421.7
62.5°	2811.0	2843.3	2875.6	3412.0	4497.6	5318.3	4672.1	3605.9	3179.4	3037.2	3037.2
65°	2371.6	2352.2	2358.7	2403.9	2520.2	2688.2	2617.2	2520.2	2533.2	2520.2	2500.8
67.5°	2016.2	2042.0	2022.6	2055.0	2061.4	2087.3	2132.5	2171.3	2177.7	2190.7	2177.7
70°	1654.3	1660.8	1673.7	1699.5	1706.0	1725.4	1790.0	1822.3	1841.7	1841.7	1867.6
72.5°	1266.6	1260.1	1273.0	1298.9	1331.2	1337.7	1395.8	1441.1	1466.9	1434.6	1441.1
75°	833.6	840.1	859.5	878.9	924.1	969.3	988.7	1033.9	1040.4	1053.3	1021.0
77.5°	497.6	510.5	529.9	568.7	607.4	646.2	691.4	723.8	736.7	723.8	685.0
80°	323.1	323.1	349.0	381.3	426.5	458.8	484.7	510.5	529.9	510.5	497.6
82.5°	200.3	200.3	232.6	271.4	303.7	323.1	361.9	394.2	413.6	400.7	381.3
85°	103.4	109.9	135.7	168.0	193.9	206.8	200.3	180.9	161.6	155.1	142.2
87.5°	32.3	32.3	38.8	38.8	32.3	32.3	38.8	32.3	38.8	38.8	38.8
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)