

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: P532202

Luminaire Tested: **GALN-SA7C-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532202
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-SA7C-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 44106 lumens
Efficiency: N/A
Efficacy: 117.0 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

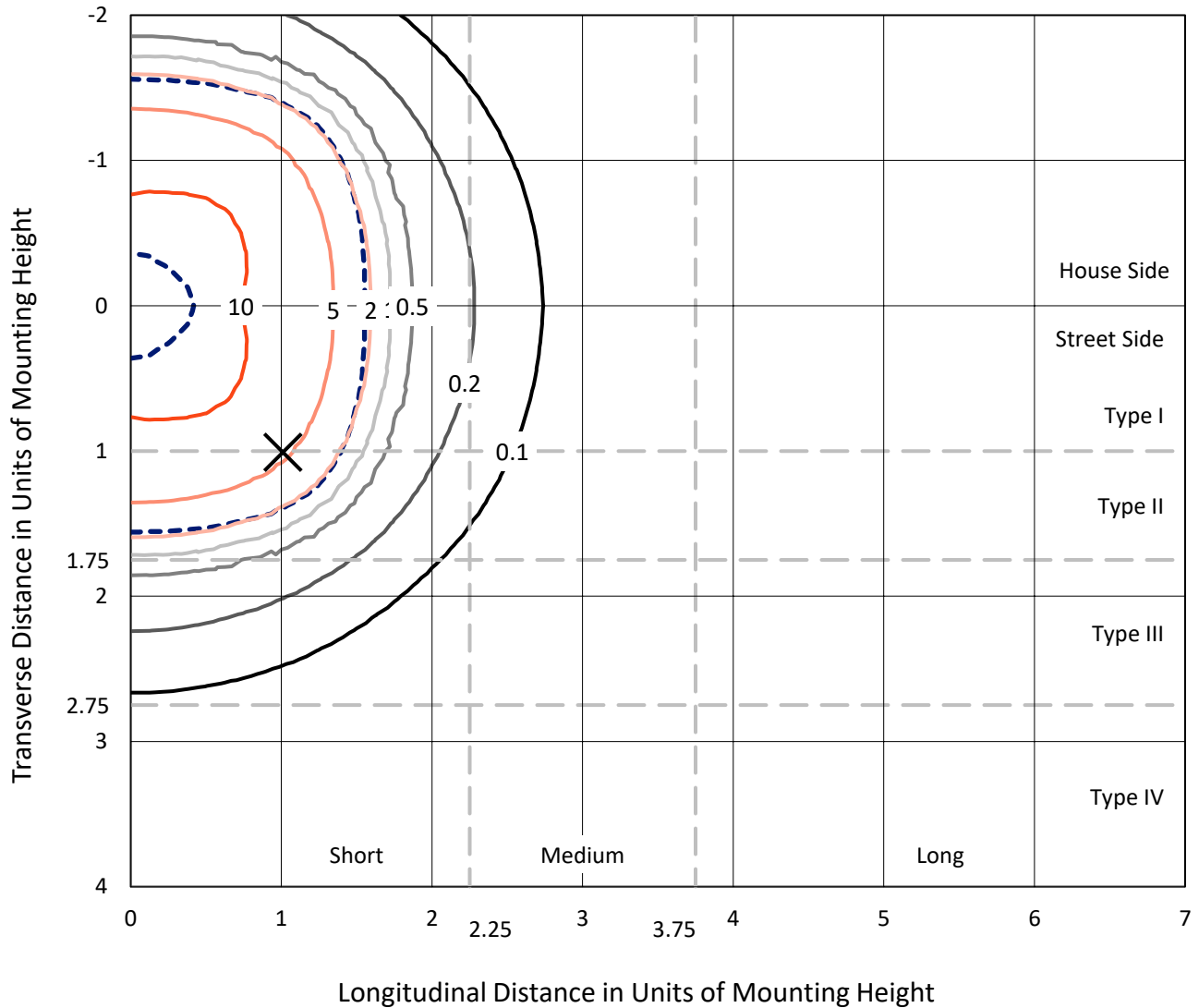
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

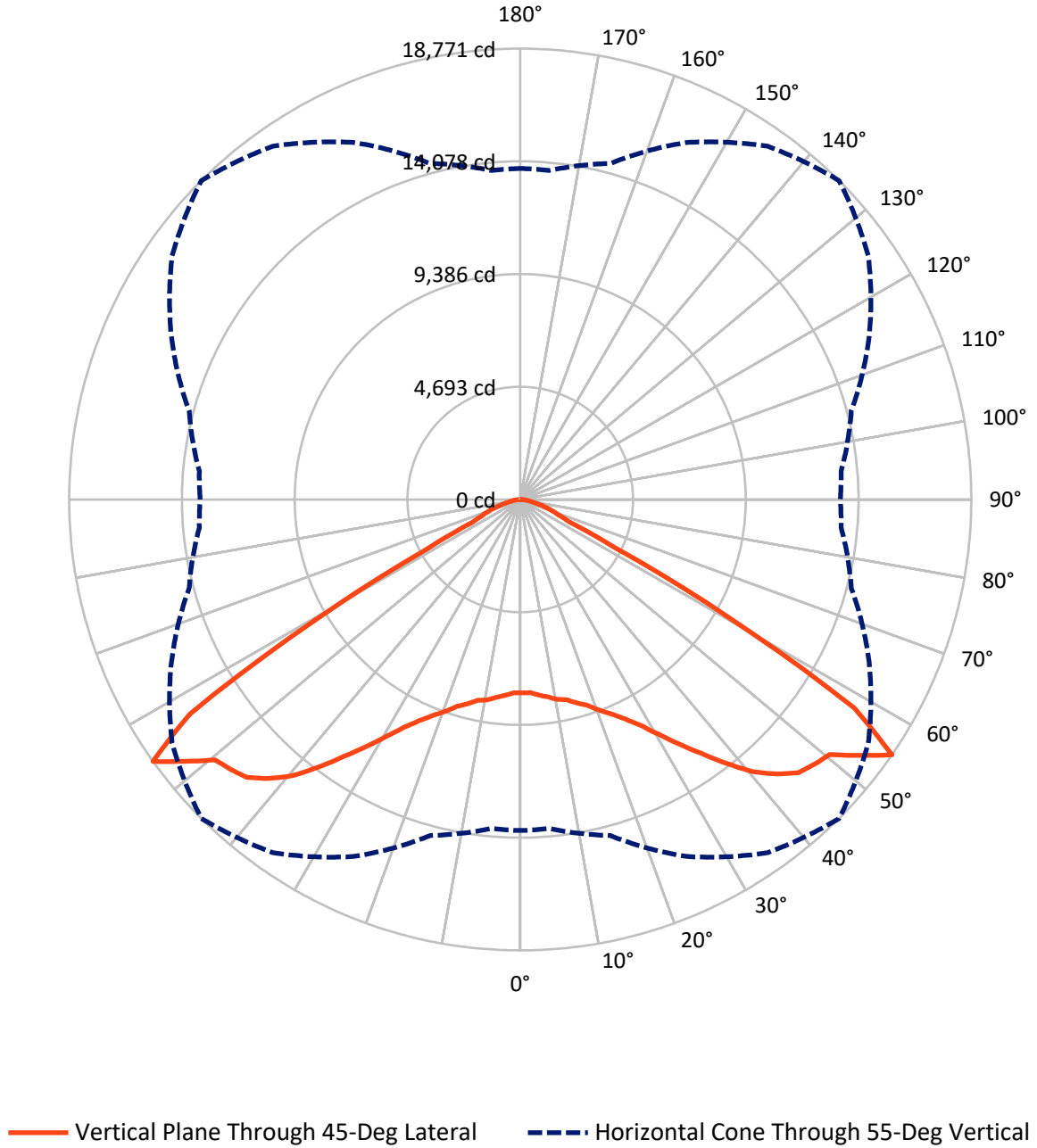
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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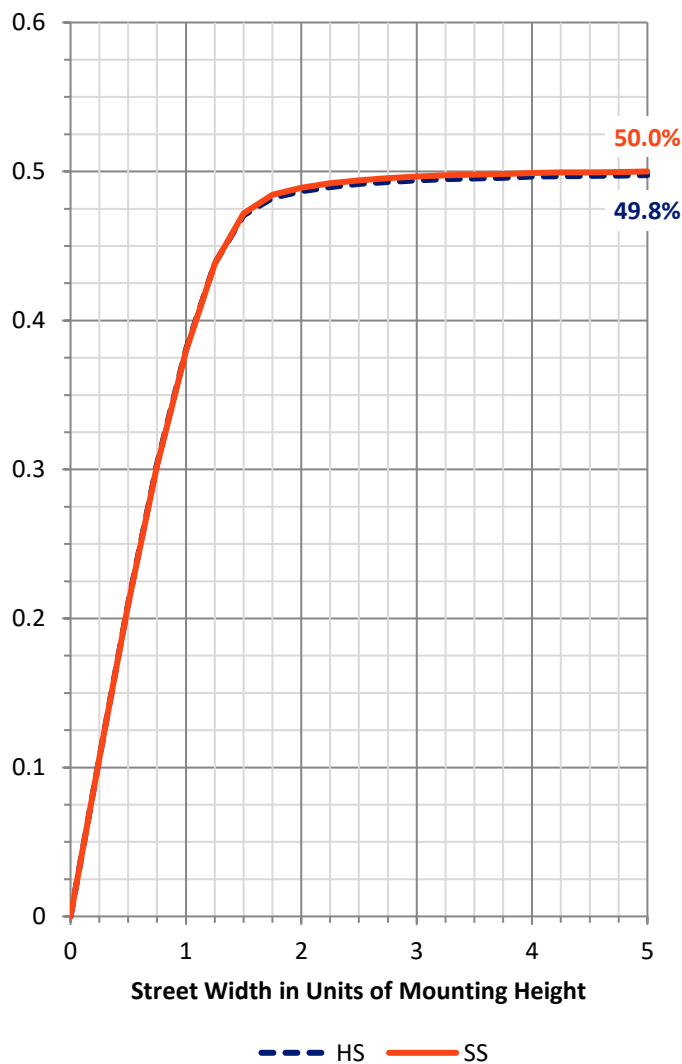
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22053.0	0.0	22053.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22053.0	0.0	22053.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44106.0	0.0	44106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.7	1.8
10°-20°	2492.7	5.7
20°-30°	4648.1	10.5
30°-40°	7782.4	17.6
40°-50°	12110.1	27.5
50°-60°	12574.0	28.5
60°-70°	2666.5	6.0
70°-80°	878.2	2.0
80°-90°	167.2	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°	44106.0	100.0
0°-180°	44106.0	100.0

Coefficient of Utilization



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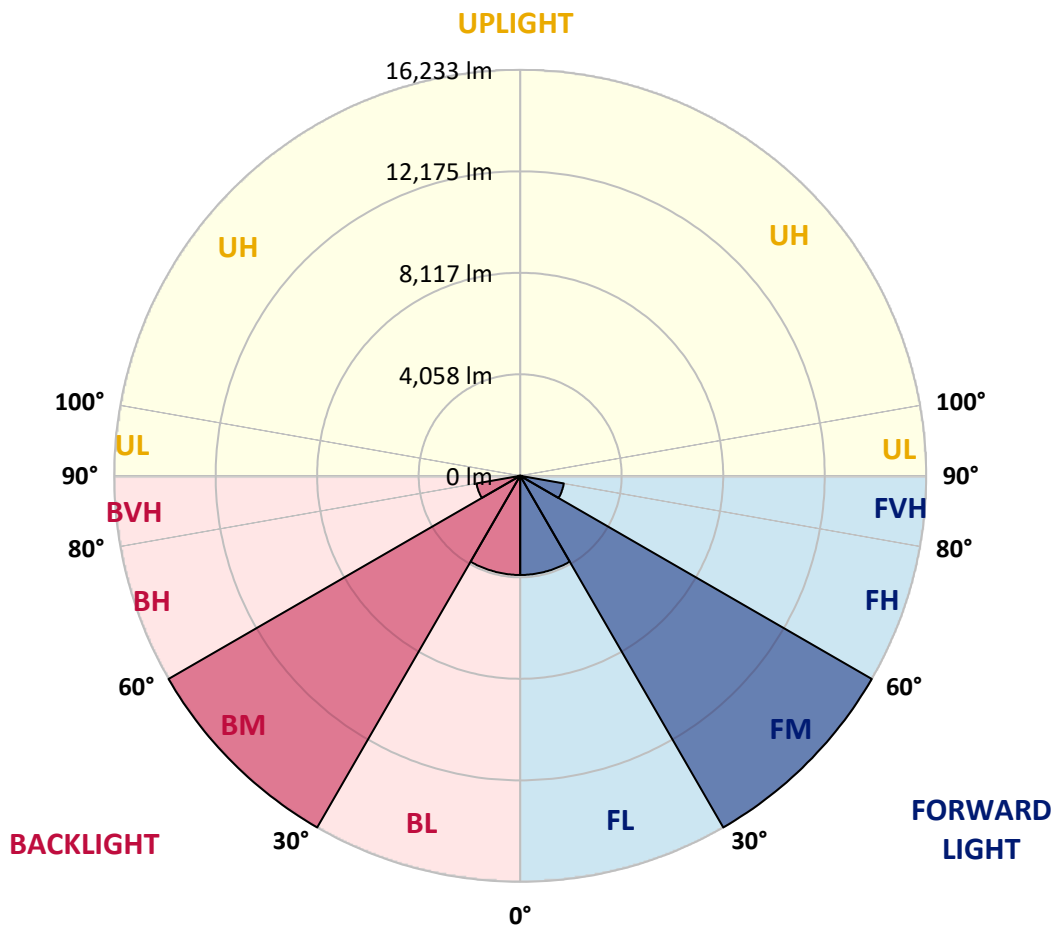
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3963.8	9.0			
FM (30°-60°)	16233.3	36.8			
FH (60°-80°)	1772.4	4.0			G1/1800
FVH (80°-90°)	83.6	0.2			G1/100
BL (0°-30°)	3963.8	9.0	B4/5000		
BM (30°-60°)	16233.3	36.8	B5		
BH (60°-80°)	1772.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	83.6	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°	8053.1	8053.1	8053.1	8053.1	8053.1	8053.1	8053.1	8053.1	8053.1	8053.1	8053.1
2.5°	8149.0	8111.7	8047.8	8095.7	8133.0	8053.1	8085.1	8101.1	8090.4	8047.8	8063.8
5°	8266.3	8245.0	8191.7	8229.0	8181.0	8181.0	8149.0	8106.4	8170.3	8159.7	8186.3
7.5°	8266.3	8239.6	8346.2	8276.9	8298.3	8298.3	8245.0	8202.3	8234.3	8186.3	8159.7
10°	8431.5	8468.8	8420.8	8436.8	8426.2	8463.5	8383.5	8356.9	8330.2	8314.3	8282.3
12.5°	8628.7	8602.1	8618.0	8607.4	8644.7	8548.8	8500.8	8442.2	8490.1	8420.8	8468.8
15°	8788.6	8772.6	8788.6	8831.2	8793.9	8788.6	8703.3	8644.7	8570.1	8586.1	8511.4
17.5°	9007.1	8991.1	8996.4	9033.8	9028.4	9001.8	8937.8	8825.9	8799.2	8756.6	8708.6
20°	9332.2	9305.6	9294.9	9310.9	9337.5	9358.9	9230.9	9188.3	9097.7	9028.4	8948.5
22.5°	9609.4	9598.7	9641.3	9572.0	9630.7	9694.6	9572.0	9550.7	9326.9	9289.6	9204.3
25°	9993.1	9977.1	9950.5	10051.7	10121.0	10115.7	9998.4	9881.2	9710.6	9668.0	9668.0
27.5°	10398.1	10307.5	10446.1	10472.8	10595.3	10632.6	10531.4	10360.8	10200.9	10110.3	10131.7
30°	10904.5	10819.2	10851.2	11043.0	11202.9	11341.5	11085.7	10835.2	10611.3	10451.4	10424.8
32.5°	11410.8	11325.5	11421.4	11608.0	11927.8	12135.6	11885.1	11448.1	11186.9	10952.4	11000.4
35°	11821.2	11885.1	12039.7	12322.1	12652.6	12988.4	12588.6	12252.9	11879.8	11618.6	11655.9
37.5°	12482.0	12679.2	12801.8	13126.9	13595.9	13942.4	13526.6	13089.6	12689.9	12348.8	12231.5
40°	13345.4	13478.7	13617.2	14001.0	14555.3	14901.7	14507.3	13937.0	13542.6	13190.9	13174.9
42.5°	14294.1	14422.0	14565.9	15034.9	15365.4	15626.5	15264.1	14960.3	14523.3	14246.1	14230.2
45°	15397.4	15306.7	15466.6	15775.8	16052.9	16223.4	15988.9	15839.7	15525.3	15269.4	15242.8
47.5°	16132.8	16052.9	16340.7	16617.8	16660.5	16473.9	16521.9	16660.5	16330.0	15909.0	16042.2
50°	16559.2	16559.2	16751.1	17006.9	16927.0	16687.1	17065.5	17076.2	16745.8	16372.7	16372.7
52.5°	15818.4	15983.6	16527.2	17364.0	17630.5	17699.8	17614.5	17252.1	16388.7	15626.5	15589.2
55°	13782.5	13745.2	14480.7	16399.3	17950.3	18771.0	17683.8	16015.6	14262.1	13404.1	13318.8
57.5°	8964.5	9007.1	10105.0	12061.0	14859.1	16388.7	14555.3	12210.2	10105.0	8921.8	9033.8
60°	4034.5	4178.4	4844.6	6305.0	8708.6	9955.8	8730.0	6624.8	5084.5	4412.9	4471.6
62.5°	2318.4	2345.0	2371.7	2814.1	3709.4	4386.3	3853.3	2973.9	2622.2	2504.9	2504.9
65°	1956.0	1940.0	1945.3	1982.6	2078.6	2217.1	2158.5	2078.6	2089.2	2078.6	2062.6
67.5°	1662.9	1684.2	1668.2	1694.8	1700.2	1721.5	1758.8	1790.8	1796.1	1806.8	1796.1
70°	1364.4	1369.7	1380.4	1401.7	1407.0	1423.0	1476.3	1503.0	1518.9	1518.9	1540.3
72.5°	1044.6	1039.3	1049.9	1071.3	1097.9	1103.2	1151.2	1188.5	1209.8	1183.2	1188.5
75°	687.5	692.9	708.8	724.8	762.1	799.4	815.4	852.7	858.1	868.7	842.1
77.5°	410.4	421.0	437.0	469.0	501.0	533.0	570.3	596.9	607.6	596.9	564.9
80°	266.5	266.5	287.8	314.4	351.8	378.4	399.7	421.0	437.0	421.0	410.4
82.5°	165.2	165.2	191.9	223.8	250.5	266.5	298.5	325.1	341.1	330.4	314.4
85°	85.3	90.6	111.9	138.6	159.9	170.5	165.2	149.2	133.2	127.9	117.3
87.5°	26.6	26.6	32.0	32.0	26.6	26.6	32.0	26.6	32.0	32.0	32.0
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)