

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: P532207

Luminaire Tested: **GALN-SA7C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31645 lumens
Efficiency: N/A
Efficacy: 83.9 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

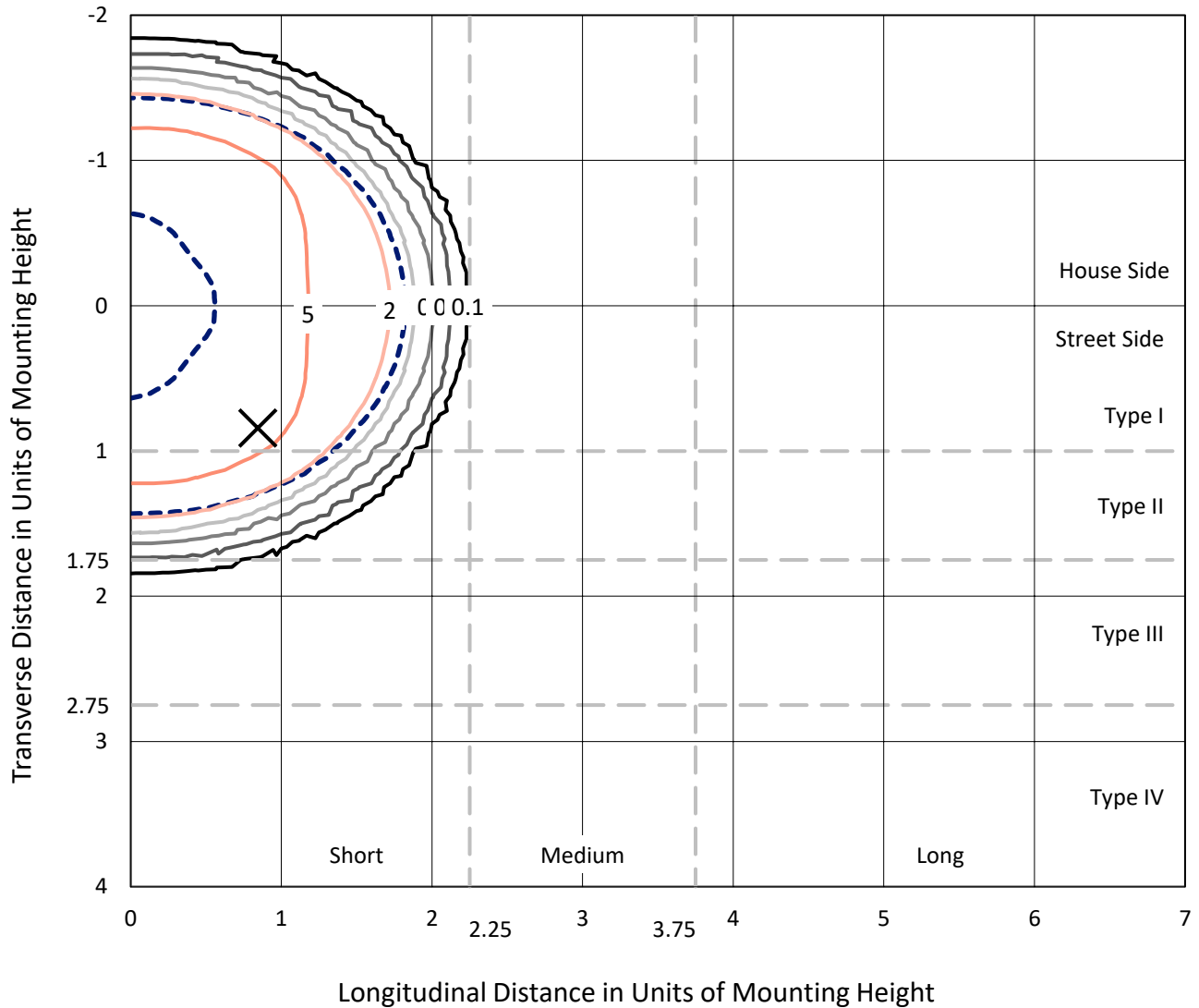
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

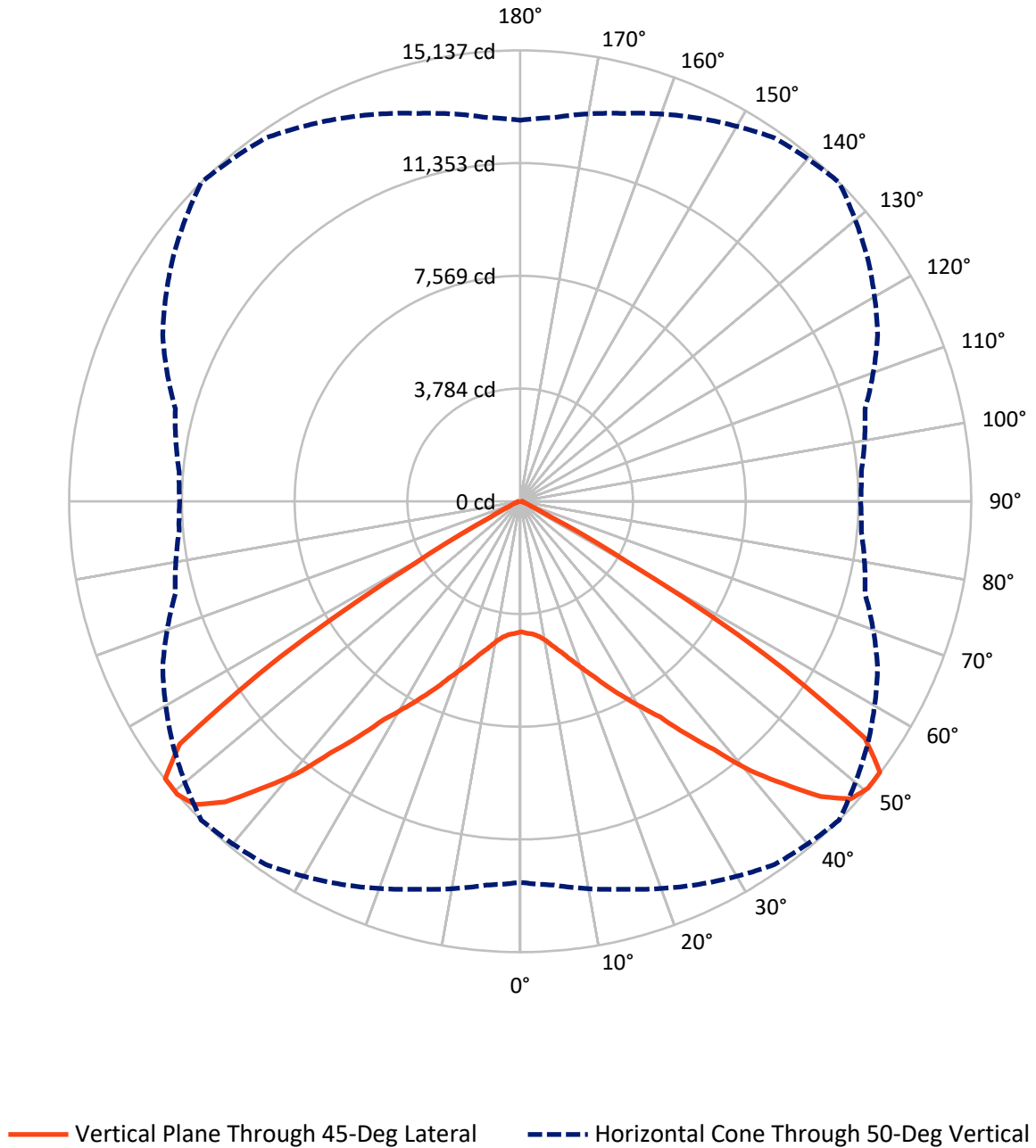
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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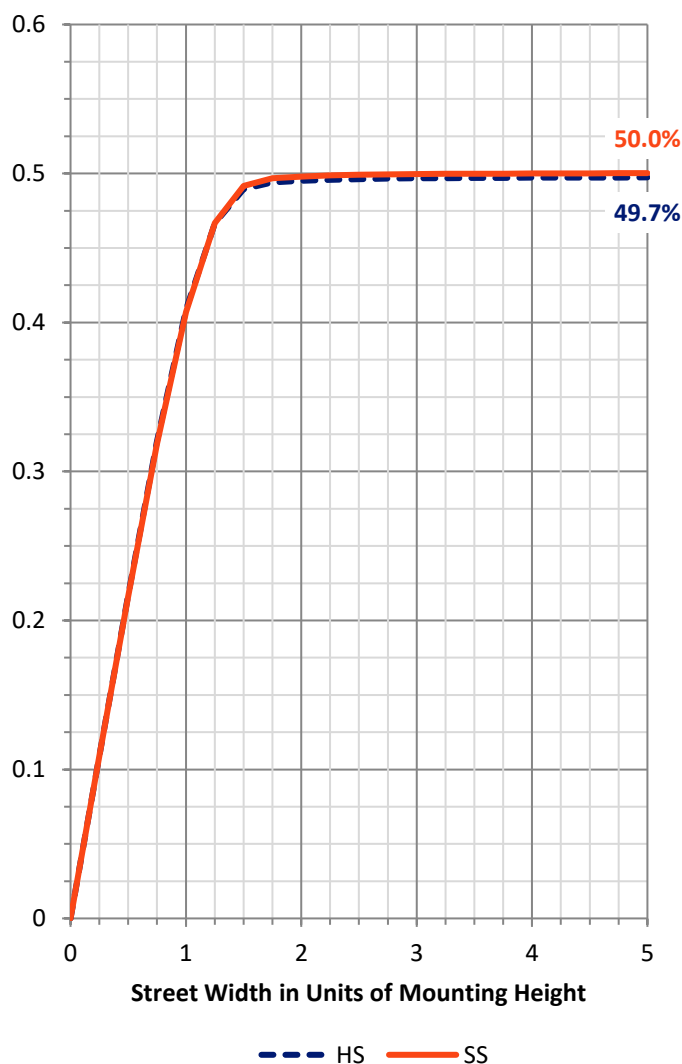
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15822.5	0.0	15822.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15822.5	0.0	15822.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31645.0	0.0	31645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.5	1.4
10°-20°	1504.3	4.8
20°-30°	3072.4	9.7
30°-40°	5859.0	18.5
40°-50°	9873.3	31.2
50°-60°	9416.0	29.8
60°-70°	1314.4	4.2
70°-80°	125.7	0.4
80°-90°	43.4	0.1
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°	31645.0	100.0
0°-180°	31645.0	100.0

Coefficient of Utilization



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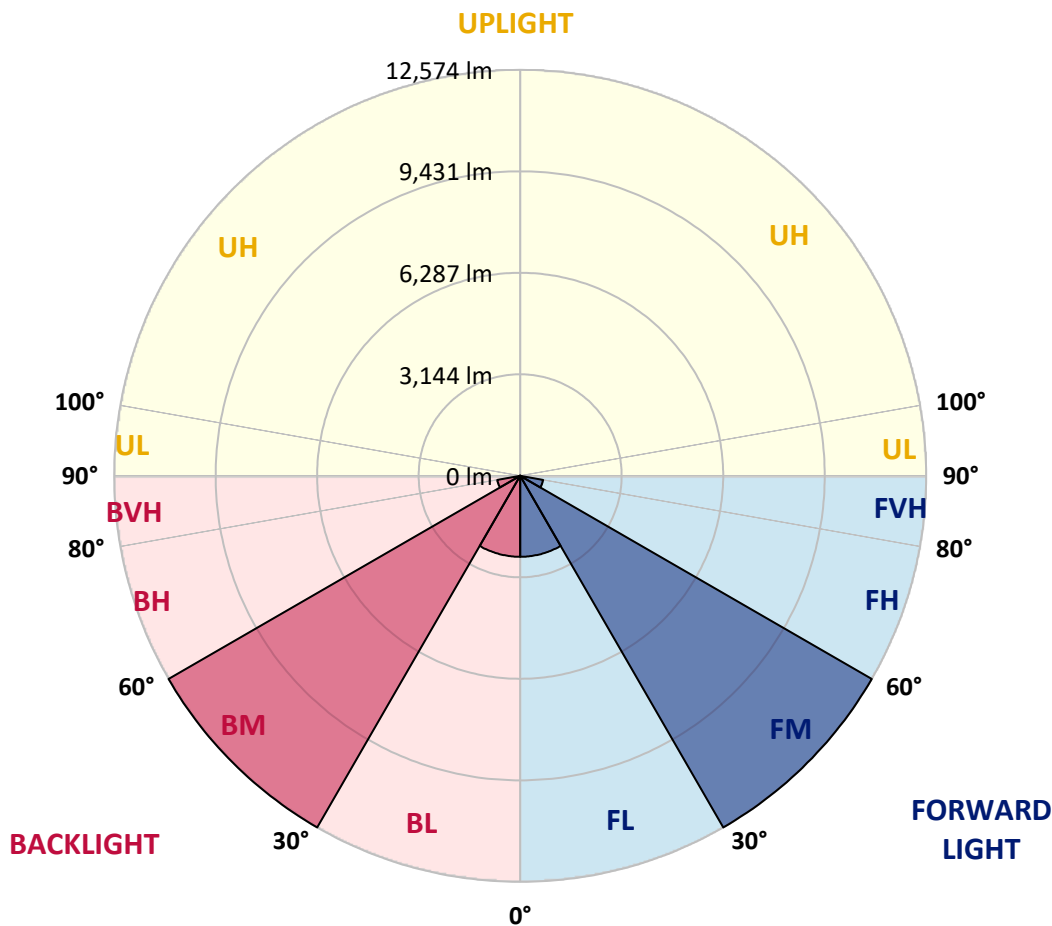
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2506.6	7.9			
FM (30°-60°)	12574.1	39.7			
FH (60°-80°)	720.1	2.3			G1/1800
FVH (80°-90°)	21.7	0.1			G1/100
BL (0°-30°)	2506.6	7.9	B4/5000		
BM (30°-60°)	12574.1	39.7	B5		
BH (60°-80°)	720.1	2.3	B2/1000		G1/1800
BVH (80°-90°)	21.7	0.1			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°	4387.2	4387.2	4387.2	4387.2	4387.2	4387.2	4387.2	4387.2	4387.2	4387.2	4387.2
2.5°	4371.3	4371.3	4365.9	4408.5	4387.2	4435.1	4429.8	4445.8	4461.8	4456.4	4499.0
5°	4334.0	4328.7	4328.7	4376.6	4424.5	4477.7	4525.7	4557.6	4610.9	4610.9	4664.1
7.5°	4371.3	4344.6	4381.9	4403.2	4493.7	4584.2	4664.1	4728.0	4850.4	4893.0	4877.1
10°	4381.9	4413.9	4440.5	4504.4	4616.2	4754.6	4823.8	4983.6	5122.0	5217.8	5239.1
12.5°	4451.1	4499.0	4573.6	4728.0	4829.1	5010.2	5106.0	5260.4	5452.1	5558.6	5633.1
15°	4584.2	4600.2	4696.0	4893.0	5111.3	5276.4	5425.5	5537.3	5723.6	5846.1	5851.4
17.5°	4754.6	4823.8	4956.9	5143.3	5372.2	5617.1	5734.3	5856.7	5926.0	6091.0	6128.3
20°	5095.4	5106.0	5233.8	5478.7	5766.2	5989.8	6075.0	6138.9	6112.3	6282.7	6314.6
22.5°	5414.8	5425.5	5585.2	5915.3	6224.1	6415.8	6453.1	6415.8	6335.9	6458.4	6469.0
25°	5739.6	5835.4	5952.6	6282.7	6666.0	6921.6	6926.9	6825.8	6660.7	6682.0	6735.3
27.5°	6245.4	6314.6	6437.1	6740.6	7161.2	7448.7	7400.8	7278.3	7065.4	7081.3	7065.4
30°	6836.4	6900.3	7001.5	7390.1	7699.0	8013.1	8082.3	7965.2	7645.7	7576.5	7656.4
32.5°	7549.9	7640.4	7826.7	8183.5	8444.4	8636.0	8683.9	8641.4	8343.2	8316.6	8369.8
35°	8417.7	8540.2	8710.6	9024.7	9237.7	9583.8	9583.8	9440.0	9168.5	9200.4	9195.1
37.5°	9333.5	9514.5	9780.8	10100.2	10387.7	10574.1	10515.5	10393.1	10121.5	10052.3	10121.5
40°	10483.6	10574.1	10909.5	11324.8	11676.2	11889.2	11638.9	11372.7	10723.2	10824.3	11010.7
42.5°	11532.5	11676.2	11931.8	12389.7	12789.0	12964.7	12666.5	12139.4	11356.8	11276.9	11415.3
45°	12426.9	12581.3	12916.8	13571.7	13992.3	14146.7	13486.5	12634.6	11740.1	11537.8	11596.3
47.5°	13023.3	13103.1	13571.7	14194.6	14578.0	14929.4	13981.6	12975.3	11921.1	11537.8	11516.5
50°	12794.3	12932.7	13481.2	14189.3	14886.8	15137.0	14231.9	13236.2	11979.7	11489.9	11426.0
52.5°	11362.1	11601.7	12214.0	13167.0	14221.2	15115.7	14578.0	13151.0	11958.4	11537.8	11633.6
55°	7906.6	7911.9	8657.3	10062.9	11926.5	14034.9	14072.2	13246.9	12096.8	11835.9	11841.3
57.5°	3178.6	3338.3	3908.0	5319.0	7038.7	9637.0	11457.9	12288.5	12112.8	12048.9	12214.0
60°	804.0	809.3	985.0	1501.5	2475.8	4131.7	6000.5	8119.6	9349.5	9770.1	9828.7
62.5°	410.0	415.3	457.9	532.4	676.2	1107.5	1970.0	3125.4	4445.8	5116.7	5292.4
65°	335.4	335.4	362.1	399.3	404.6	425.9	511.1	729.4	1059.5	1203.3	1219.3
67.5°	255.6	255.6	276.9	298.2	308.8	303.5	292.8	303.5	367.4	351.4	340.8
70°	159.7	165.1	175.7	197.0	207.6	213.0	218.3	228.9	260.9	271.5	260.9
72.5°	95.8	95.8	101.2	117.1	133.1	143.8	159.7	170.4	186.4	213.0	207.6
75°	42.6	42.6	53.2	69.2	85.2	101.2	117.1	133.1	143.8	159.7	165.1
77.5°	10.6	16.0	26.6	47.9	63.9	85.2	106.5	122.5	133.1	133.1	127.8
80°	5.3	5.3	21.3	37.3	69.2	90.5	117.1	127.8	143.8	133.1	117.1
82.5°	5.3	5.3	21.3	37.3	63.9	90.5	122.5	138.4	149.1	133.1	111.8
85°	0.0	5.3	16.0	31.9	53.2	63.9	53.2	37.3	21.3	21.3	16.0
87.5°	0.0	0.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)