

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: P532489

Luminaire Tested: **GALN-SA7D-760-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-760-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28106 lumens
Efficiency: N/A
Efficacy: 64.9 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

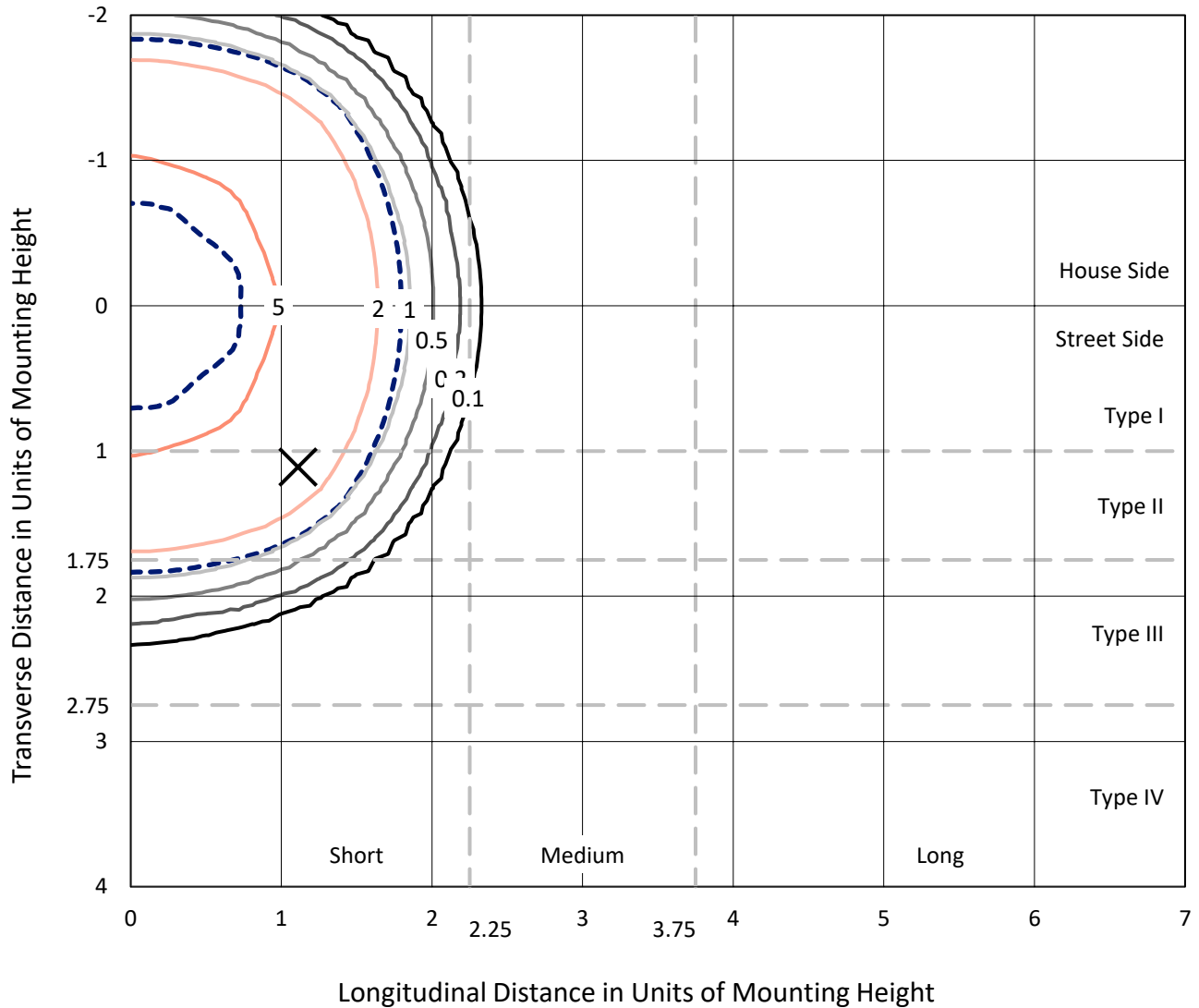
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

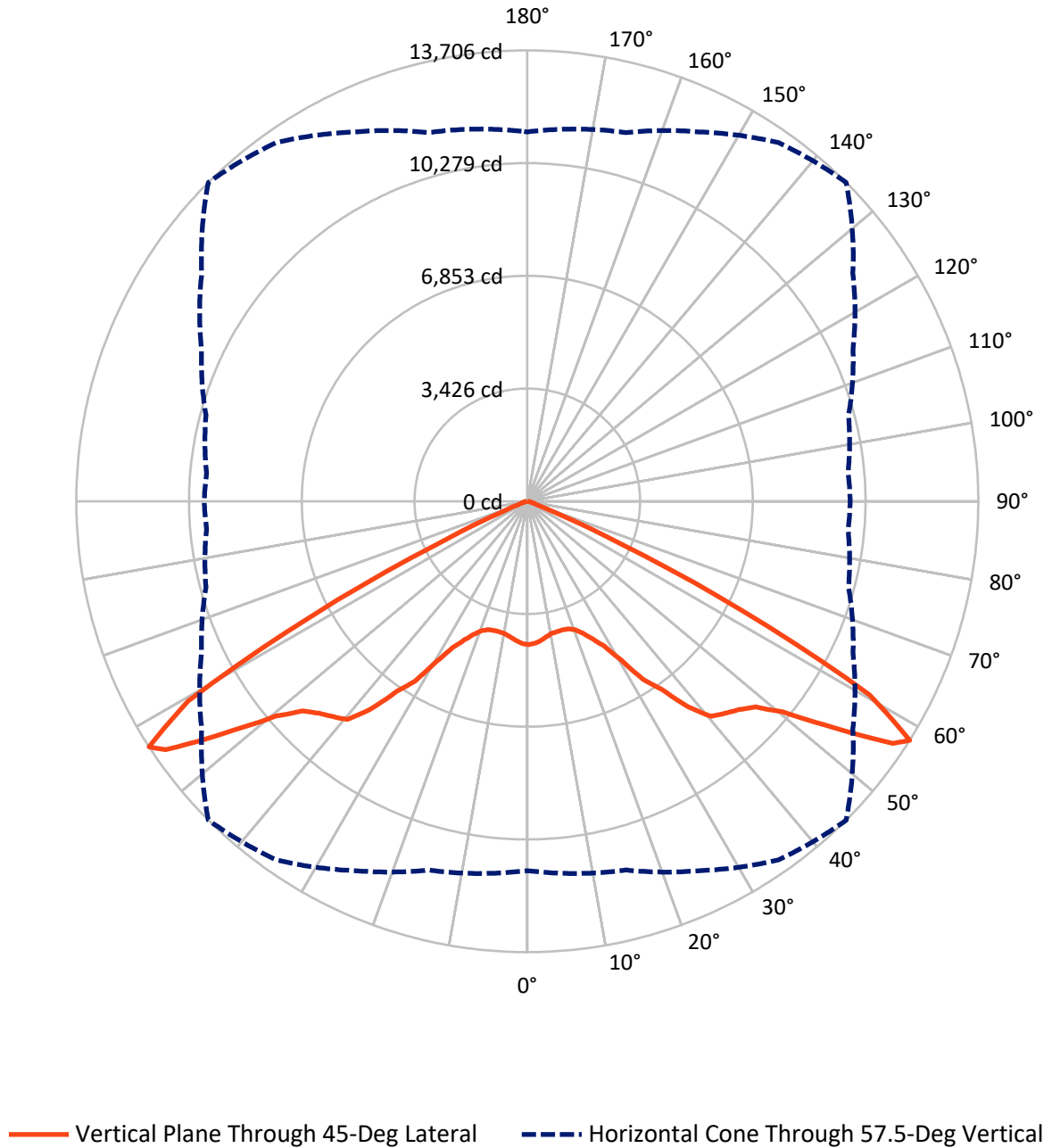
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	14053.0	0.0	14053.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14053.0	0.0	14053.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28106.0	0.0	28106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.6	1.4
10°-20°	1158.0	4.1
20°-30°	2137.5	7.6
30°-40°	4203.6	15.0
40°-50°	6846.5	24.4
50°-60°	9764.0	34.7
60°-70°	3380.5	12.0
70°-80°	181.3	0.6
80°-90°	34.1	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°	28106.0	100.0
0°-180°	28106.0	100.0

Coefficient of Utilization

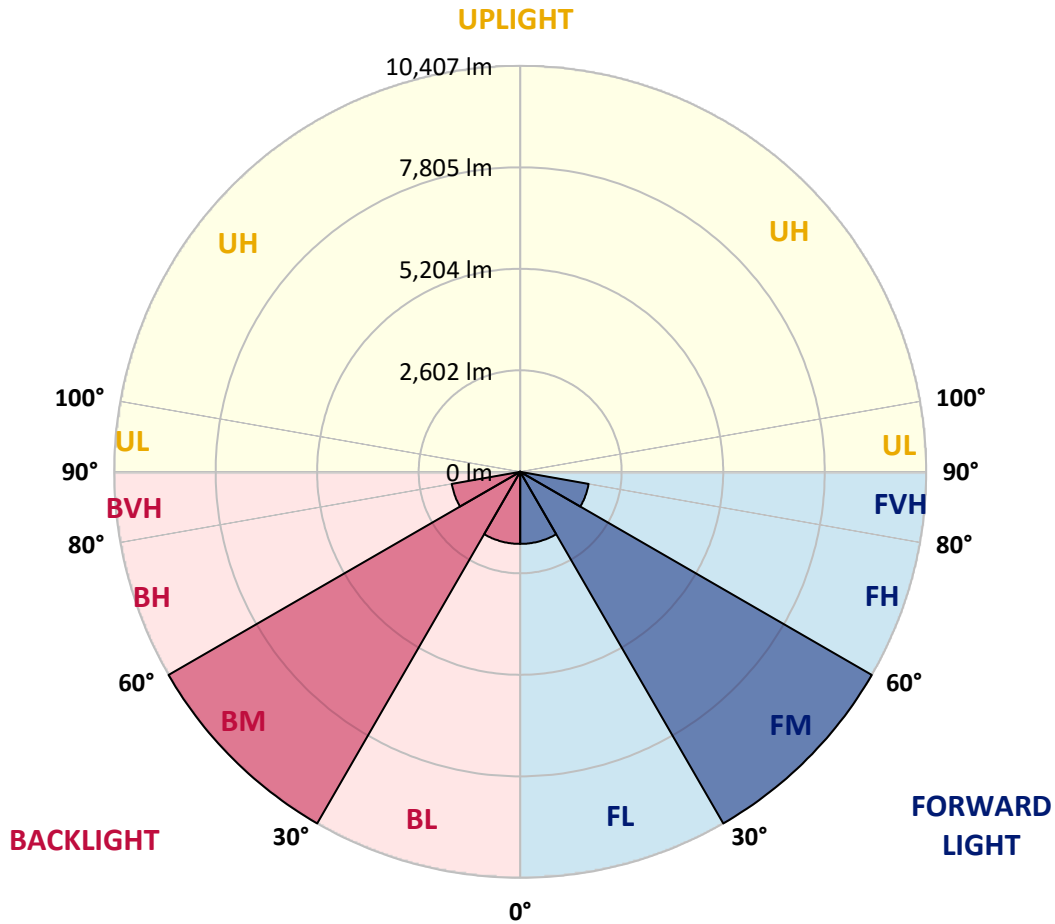


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1848.0	6.6			
FM (30°-60°)	10407.0	37.0			
FH (60°-80°)	1780.9	6.3			G1/1800
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1848.0	6.6	B3/2500		
BM (30°-60°)	10407.0	37.0	B5		
BH (60°-80°)	1780.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	17.0	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°	4359.5	4359.5	4359.5	4359.5	4359.5	4359.5	4359.5	4359.5	4359.5	4359.5	4359.5
2.5°	4347.8	4371.3	4342.0	4330.2	4324.4	4324.4	4306.8	4306.8	4300.9	4306.8	4283.4
5°	4277.5	4300.9	4300.9	4295.1	4259.9	4254.1	4236.5	4224.8	4230.6	4207.2	4224.8
7.5°	4207.2	4224.8	4201.3	4195.5	4183.7	4160.3	4154.4	4101.7	4107.6	4107.6	4119.3
10°	4195.5	4189.6	4154.4	4125.2	4090.0	4084.1	4066.6	4054.8	4054.8	4049.0	4066.6
12.5°	4195.5	4166.2	4160.3	4095.9	4037.3	4060.7	4013.8	3984.5	4025.5	4037.3	4060.7
15°	4189.6	4218.9	4119.3	4090.0	4049.0	4054.8	4013.8	3984.5	4008.0	4019.7	4037.3
17.5°	4224.8	4207.2	4177.9	4119.3	4101.7	4078.3	4025.5	4002.1	4002.1	4031.4	4037.3
20°	4318.5	4271.6	4213.0	4183.7	4201.3	4172.0	4107.6	4019.7	4043.1	4066.6	4084.1
22.5°	4406.4	4371.3	4330.2	4312.7	4412.3	4365.4	4254.1	4154.4	4119.3	4160.3	4189.6
25°	4576.3	4576.3	4500.2	4523.6	4634.9	4640.8	4511.9	4336.1	4312.7	4330.2	4342.0
27.5°	4922.1	4939.6	4875.2	4898.6	4945.5	4986.5	4875.2	4728.7	4676.0	4670.1	4687.7
30°	5297.1	5332.2	5326.4	5426.0	5560.8	5584.2	5420.1	5179.9	5021.7	4992.4	5015.8
32.5°	5789.3	5806.9	5795.1	5912.3	6275.6	6445.5	6017.8	5677.9	5467.0	5519.7	5467.0
35°	6715.1	6697.5	6568.6	6592.0	6890.9	7013.9	6603.8	6387.0	6287.3	6392.8	6369.4
37.5°	7512.0	7447.5	7342.1	7494.4	7805.0	7916.3	7488.6	7107.7	6926.0	7101.8	7178.0
40°	8185.8	8021.8	7875.3	8027.6	8443.7	8596.0	7969.0	7658.5	7588.2	7717.1	7881.1
42.5°	8754.2	8648.8	8455.4	8467.1	8742.5	8812.8	8308.9	8127.3	8056.9	8262.0	8344.1
45°	9158.5	9058.9	8877.3	8865.6	9076.5	9029.6	8578.4	8455.4	8496.4	8631.2	8672.2
47.5°	9363.6	9416.4	9310.9	9340.2	9451.5	9340.2	8982.8	8982.8	8889.0	8971.0	8930.0
50°	9955.4	9791.4	9926.1	9926.1	10043.3	10055.1	9697.6	9568.7	9316.7	9176.1	9176.1
52.5°	10646.9	10658.6	10711.3	10904.7	11103.9	11273.9	10764.1	10213.3	9791.4	9609.7	9586.3
55°	11215.3	11332.4	11543.4	11906.7	12480.9	12715.3	11836.4	10852.0	10336.3	10055.1	9996.5
56°	11525.8	11414.5	11777.8	12275.8	13025.9	13330.6	12012.2	10980.9	10412.5	10096.1	10090.2
57.5°	11227.0	11350.0	11602.0	12387.2	13307.1	13705.6	12076.6	10922.3	10107.8	9785.5	9814.8
60°	8865.6	8982.8	9322.6	10201.5	11643.0	11953.6	10219.1	9006.2	8279.6	7816.7	7822.6
62.5°	5015.8	5103.7	5367.4	6181.9	7078.4	7377.2	6369.4	5560.8	5056.8	4799.0	4717.0
65°	1845.8	1810.6	1851.6	2267.7	2818.5	3070.4	2648.5	2238.4	1974.7	1880.9	1845.8
67.5°	691.4	638.7	597.7	638.7	802.8	849.6	779.3	650.4	609.4	627.0	638.7
70°	427.8	404.3	322.3	304.7	298.8	293.0	310.6	328.1	375.0	439.5	451.2
72.5°	298.8	281.3	228.5	216.8	205.1	199.2	228.5	252.0	293.0	339.9	345.7
75°	117.2	123.1	117.2	128.9	134.8	140.6	164.1	181.6	199.2	199.2	193.4
77.5°	23.4	23.4	35.2	46.9	58.6	76.2	111.3	128.9	134.8	128.9	111.3
80°	0.0	0.0	11.7	23.4	46.9	64.5	99.6	111.3	123.1	111.3	87.9
82.5°	0.0	0.0	11.7	29.3	46.9	58.6	93.8	117.2	134.8	123.1	93.8
85°	0.0	0.0	11.7	23.4	35.2	41.0	41.0	29.3	29.3	17.6	11.7
87.5°	0.0	0.0	0.0	0.0	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)