

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: P532460

Luminaire Tested: **GALN-SA7D-750-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-750-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47559 lumens
Efficiency: N/A
Efficacy: 109.8 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

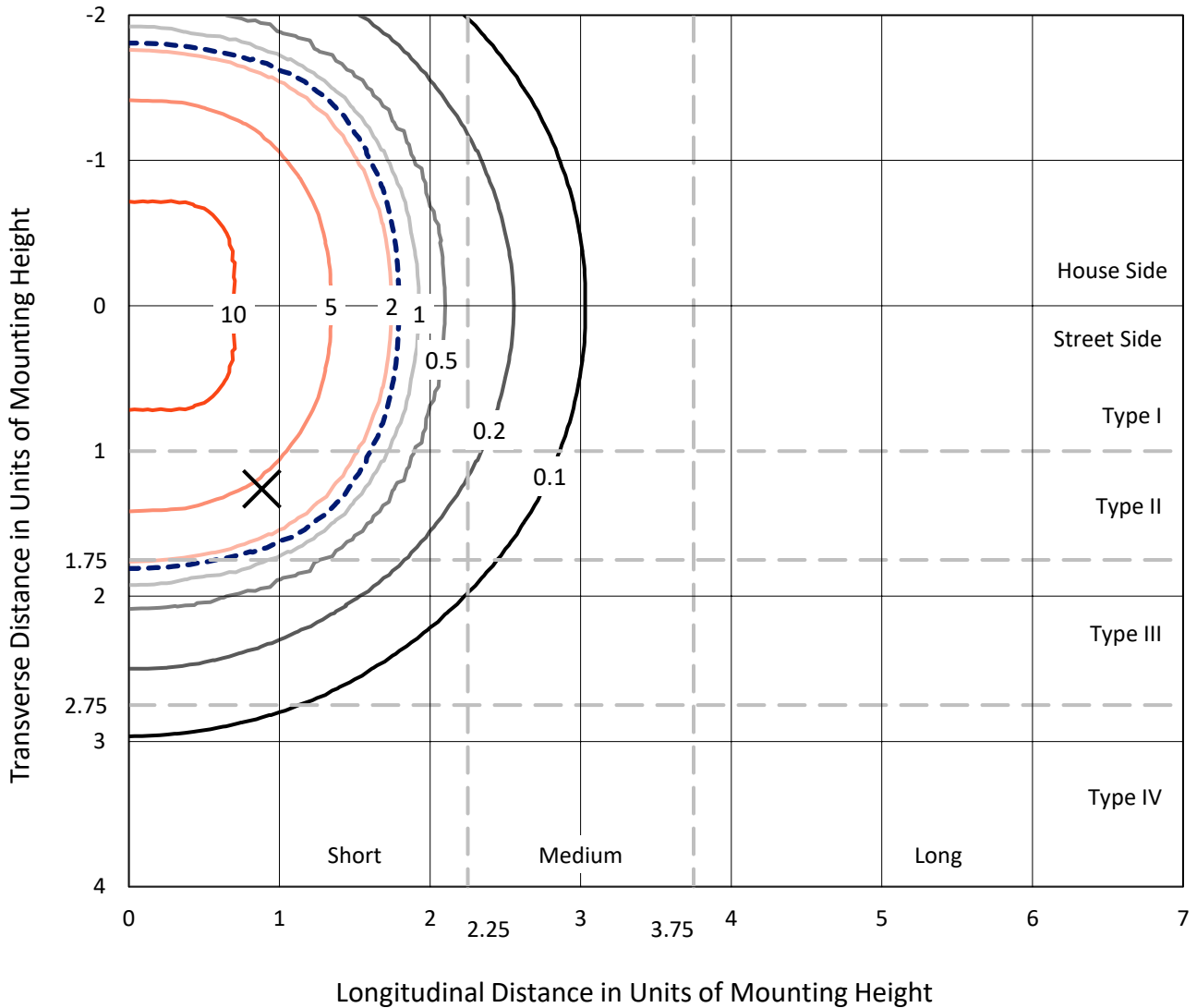
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

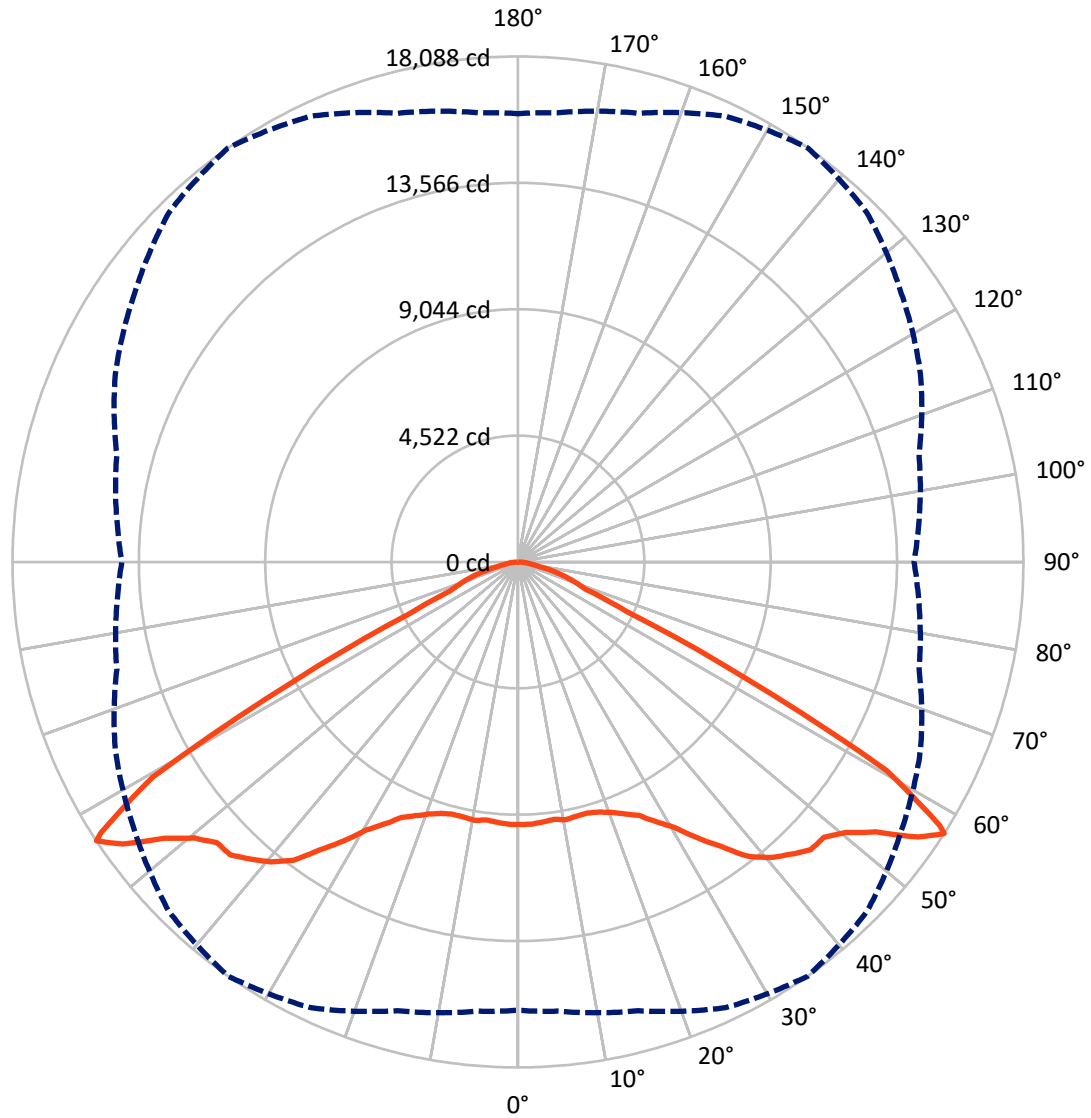
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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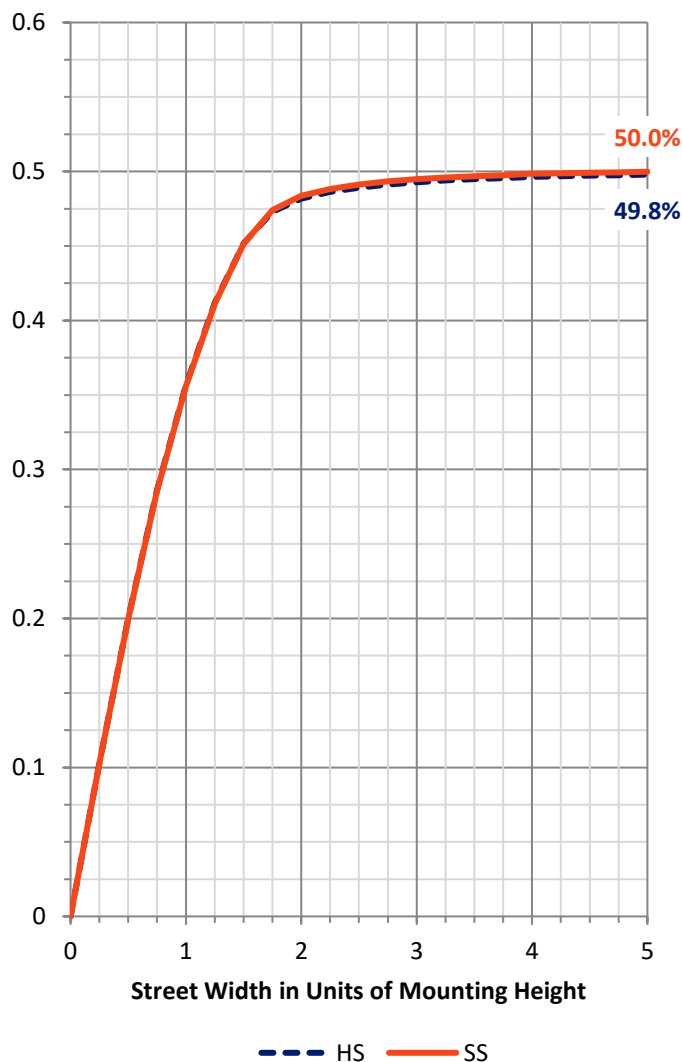
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23779.5	0.0	23779.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23779.5	0.0	23779.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47559.0	0.0	47559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	890.4	1.9
10°-20°	2637.3	5.5
20°-30°	4605.9	9.7
30°-40°	7546.9	15.9
40°-50°	11065.6	23.3
50°-60°	13938.0	29.3
60°-70°	5242.0	11.0
70°-80°	1393.8	2.9
80°-90°	239.0	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°	47559.0	100.0
0°-180°	47559.0	100.0

Coefficient of Utilization

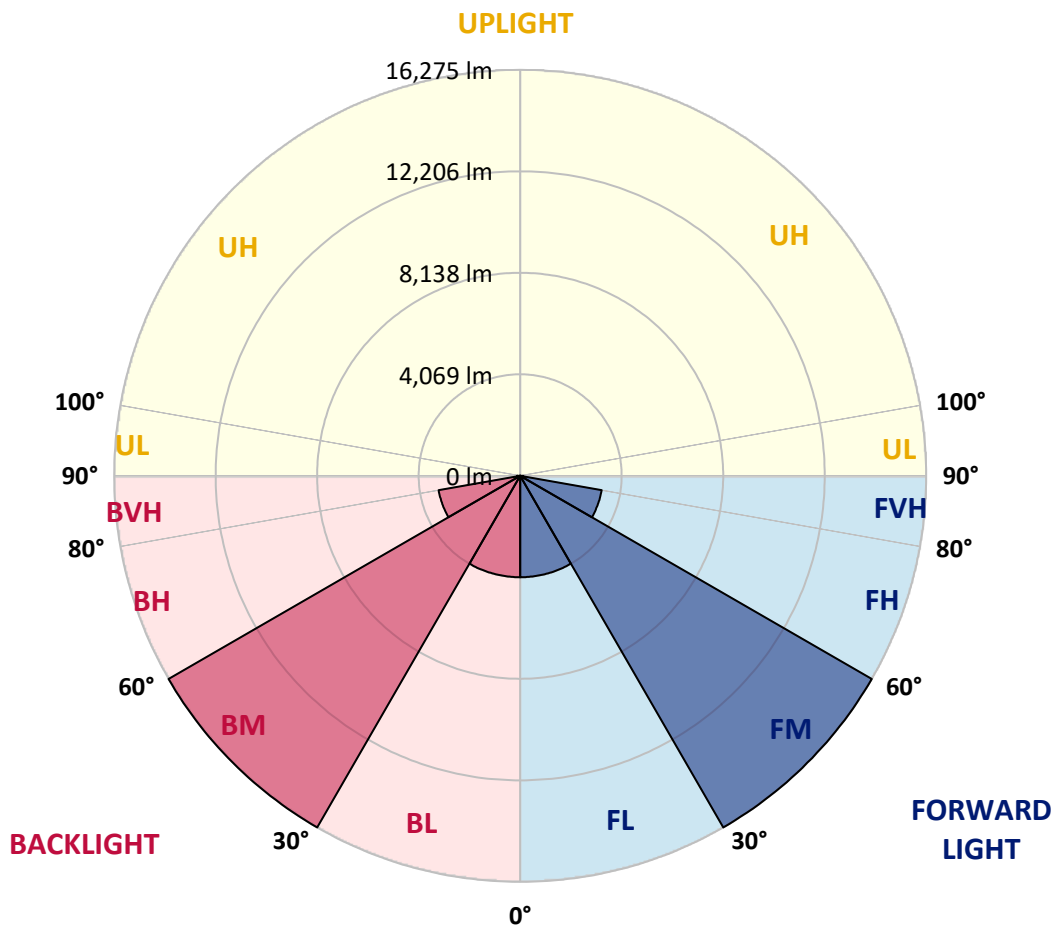


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4066.8	8.6			
FM (30°-60°)	16275.3	34.2			
FH (60°-80°)	3317.9	7.0			G2/5000
FVH (80°-90°)	119.5	0.3			G2/225
BL (0°-30°)	4066.8	8.6	B4/5000		
BM (30°-60°)	16275.3	34.2	B5		
BH (60°-80°)	3317.9	7.0	B4/5000		G2/5000
BVH (80°-90°)	119.5	0.3			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°	9392.6	9392.6	9392.6	9392.6	9392.6	9392.6	9392.6	9392.6	9392.6	9392.6	9392.6
2.5°	9345.7	9439.4	9398.4	9375.0	9392.6	9363.3	9316.4	9369.1	9357.4	9310.5	9292.9
5°	9322.2	9392.6	9345.7	9392.6	9345.7	9427.7	9404.3	9316.4	9421.8	9322.2	9357.4
7.5°	9304.7	9328.1	9339.8	9316.4	9298.8	9398.4	9345.7	9304.7	9246.1	9228.5	9257.8
10°	9263.6	9322.2	9234.3	9351.5	9375.0	9304.7	9304.7	9228.5	9181.6	9152.3	9251.9
12.5°	9369.1	9269.5	9257.8	9316.4	9334.0	9363.3	9281.2	9240.2	9152.3	9164.0	9146.5
15°	9246.1	9287.1	9292.9	9304.7	9322.2	9392.6	9316.4	9228.5	9193.3	9070.3	9082.0
17.5°	9292.9	9251.9	9292.9	9427.7	9404.3	9457.0	9375.0	9240.2	9158.2	9087.9	9181.6
20°	9375.0	9357.4	9375.0	9539.0	9568.3	9615.2	9544.9	9421.8	9263.6	9181.6	9228.5
22.5°	9462.9	9451.1	9462.9	9621.1	9791.0	9849.6	9779.3	9492.2	9410.1	9257.8	9205.1
25°	9621.1	9632.8	9755.8	9931.6	10042.9	10154.3	10025.4	9820.3	9556.6	9462.9	9351.5
27.5°	9972.6	10001.9	10072.2	10330.0	10523.4	10623.0	10441.4	10160.1	9996.1	9802.7	9773.4
30°	10406.2	10406.2	10529.3	10751.9	11015.6	11167.9	10945.3	10611.3	10412.1	10306.6	10242.2
32.5°	10980.4	10916.0	10962.9	11355.4	11765.6	11894.5	11595.7	11185.5	10869.1	10728.5	10681.6
35°	11472.6	11513.6	11619.1	12041.0	12498.0	12796.8	12328.1	11794.9	11472.6	11343.7	11320.3
37.5°	12111.3	12181.6	12234.3	12814.4	13365.2	13476.5	13025.4	12597.6	12205.0	12099.6	12041.0
40°	13013.6	12966.8	12984.3	13412.1	13910.1	13980.4	13535.1	13230.4	12908.2	12843.7	12843.7
42.5°	13757.8	13705.0	13763.6	13921.8	14302.7	14250.0	14003.9	13781.2	13646.4	13576.1	13646.4
45°	14208.9	14197.2	14302.7	14419.9	14689.4	14513.6	14320.3	14355.4	14226.5	14109.3	14103.5
47.5°	14701.1	14625.0	14753.9	14929.6	14724.6	14642.5	14630.8	14707.0	14666.0	14460.9	14396.4
50°	14941.4	14912.1	15117.1	15322.2	15210.9	15023.4	15064.4	15187.5	14660.1	14384.7	14226.5
52.5°	15585.9	15591.8	15984.3	16095.7	16048.8	15773.4	15861.3	15527.3	14906.2	14519.5	14537.1
55°	16599.6	16558.5	16998.0	17326.1	17378.9	17027.3	16605.4	16136.7	15357.4	14964.8	14847.6
57°	16042.9	16136.7	16623.0	17595.7	18087.8	17671.8	16751.9	15896.4	14859.3	14384.7	14173.8
57.5°	15298.8	15451.1	16294.9	17273.4	17789.0	17753.9	16570.3	15451.1	14525.4	13787.1	13804.6
60°	11209.0	11238.3	12000.0	13552.7	15164.0	15199.2	13757.8	12275.4	11244.1	10441.4	10552.7
62.5°	5912.1	6046.9	6351.5	7599.6	8994.1	9334.0	8460.9	7699.2	6808.6	6199.2	6257.8
65°	3128.9	3111.3	3257.8	3609.4	4294.9	4470.7	4353.5	3750.0	3439.4	3339.8	3345.7
67.5°	2543.0	2572.3	2554.7	2572.3	2619.1	2695.3	2677.7	2701.2	2718.7	2748.0	2742.2
70°	2156.2	2156.2	2168.0	2173.8	2173.8	2209.0	2250.0	2326.2	2332.0	2361.3	2373.0
72.5°	1699.2	1687.5	1705.1	1746.1	1751.9	1781.2	1839.8	1886.7	1904.3	1904.3	1869.1
75°	1154.3	1166.0	1189.4	1224.6	1259.8	1312.5	1359.4	1388.7	1400.4	1382.8	1365.2
77.5°	650.4	662.1	679.7	732.4	773.4	820.3	873.0	902.3	931.6	937.5	902.3
80°	386.7	386.7	416.0	457.0	503.9	550.8	597.7	632.8	644.5	644.5	627.0
82.5°	234.4	240.2	263.7	304.7	345.7	375.0	416.0	445.3	468.7	462.9	451.2
85°	123.0	123.0	146.5	181.6	210.9	240.2	240.2	222.7	210.9	181.6	169.9
87.5°	41.0	35.2	46.9	46.9	41.0	46.9	46.9	52.7	52.7	52.7	52.7
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)