

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: P532386

Luminaire Tested: **GALN-SA7D-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41631 lumens
Efficiency: N/A
Efficacy: 96.1 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

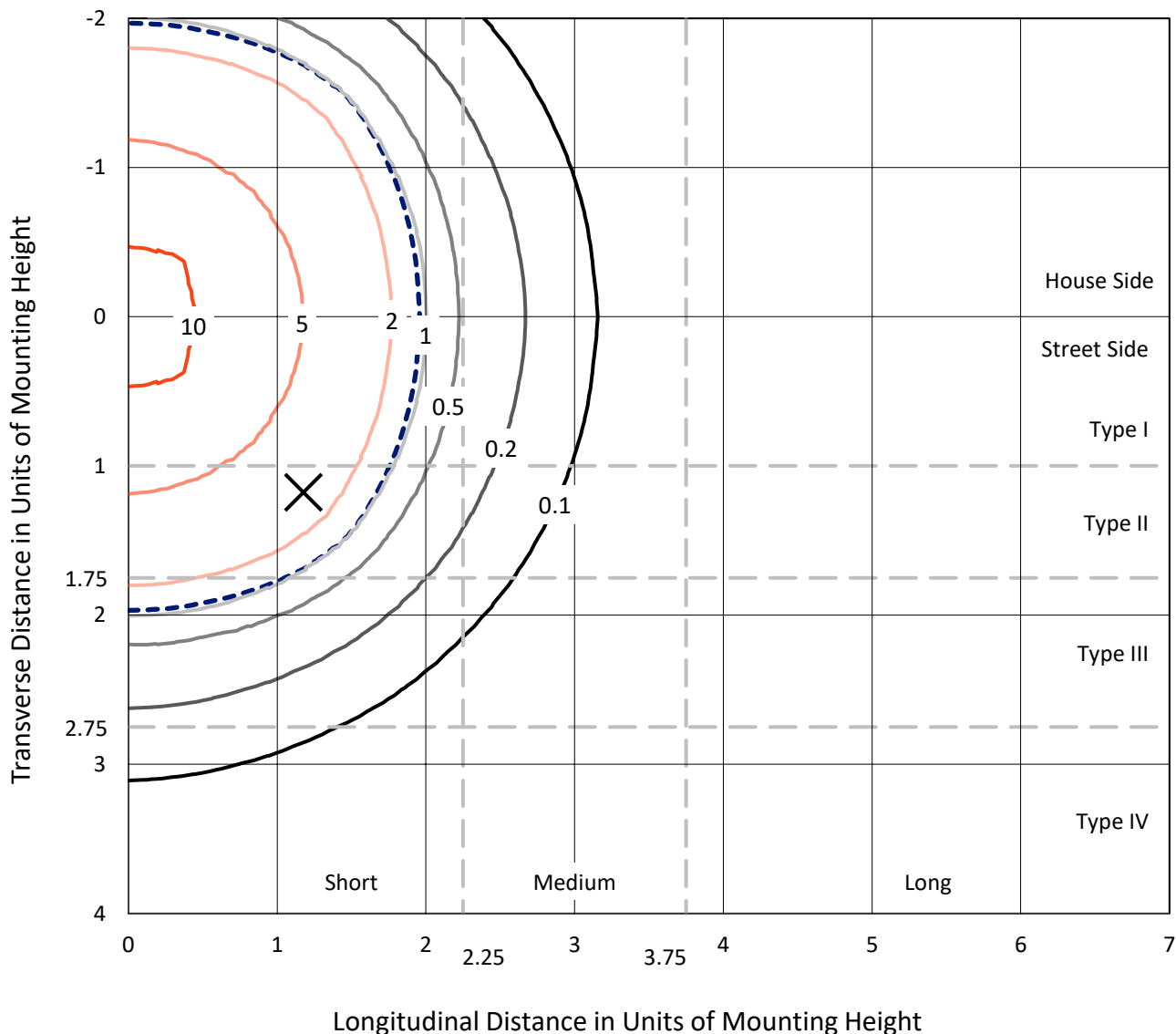
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

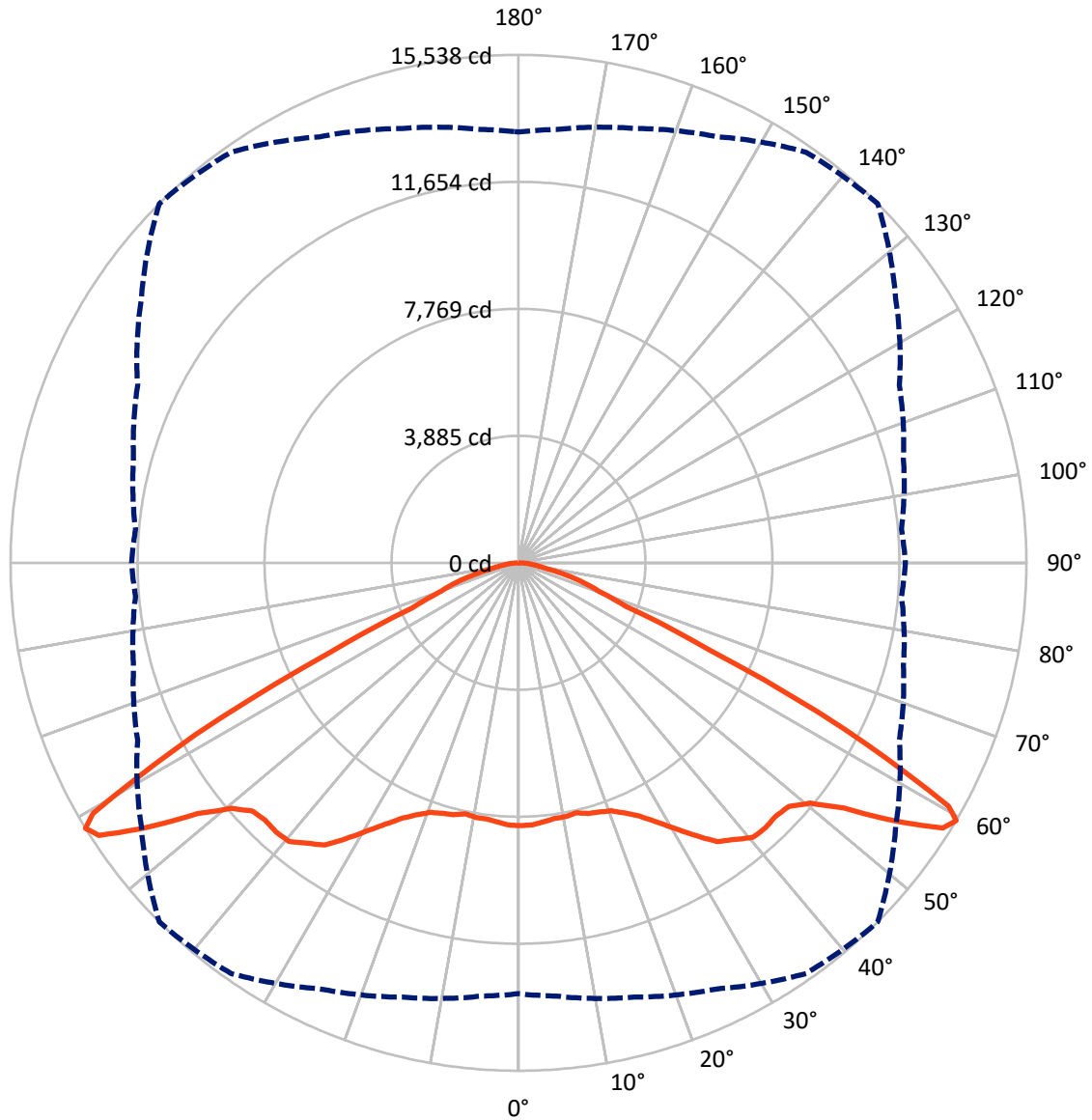
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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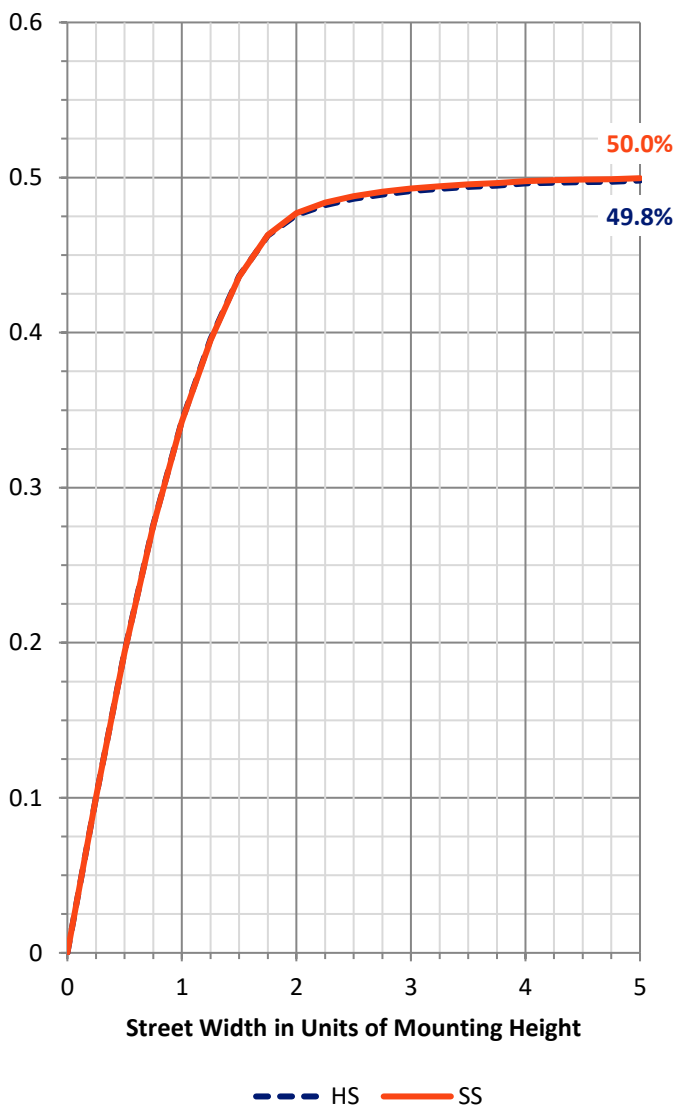
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20815.5	0.0	20815.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20815.5	0.0	20815.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41631.0	0.0	41631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	758.0	1.8
10°-20°	2254.2	5.4
20°-30°	3936.1	9.5
30°-40°	6286.5	15.1
40°-50°	8563.5	20.6
50°-60°	11580.2	27.8
60°-70°	6350.6	15.3
70°-80°	1624.7	3.9
80°-90°	277.1	0.7
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°	41631.0	100.0
0°-180°	41631.0	100.0

Coefficient of Utilization



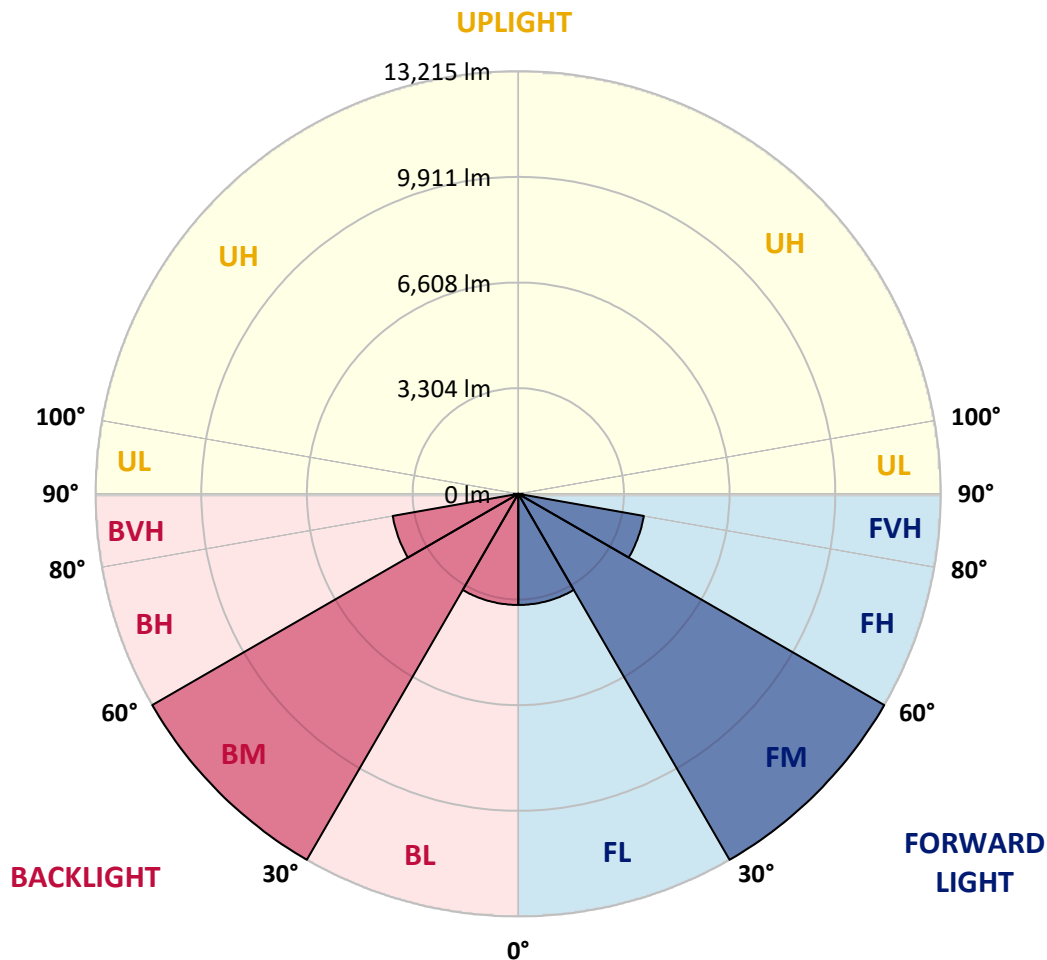
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3474.2	8.3			
FM (30°-60°)	13215.1	31.7			
FH (60°-80°)	3987.6	9.6			G2/5000
FVH (80°-90°)	138.6	0.3			G2/225
BL (0°-30°)	3474.2	8.3	B4/5000		
BM (30°-60°)	13215.1	31.7	B5		
BH (60°-80°)	3987.6	9.6	B4/5000		G2/5000
BVH (80°-90°)	138.6	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°	8041.1	8041.1	8041.1	8041.1	8041.1	8041.1	8041.1	8041.1	8041.1	8041.1	8041.1
2.5°	7993.1	8051.8	8009.1	8046.5	8041.1	8025.1	7998.4	7982.4	7961.1	7993.1	7939.7
5°	7961.1	8009.1	8057.1	7993.1	7993.1	7961.1	7945.1	7913.1	7913.1	7907.7	7902.4
7.5°	8014.4	7966.4	7945.1	7955.7	7966.4	7897.1	7945.1	7881.0	7827.7	7865.0	7907.7
10°	7966.4	7987.8	7907.7	7945.1	7886.4	7897.1	7865.0	7907.7	7849.0	7849.0	7849.0
12.5°	8014.4	7955.7	7982.4	7955.7	7939.7	7849.0	7891.7	7843.7	7838.4	7891.7	7843.7
15°	8110.5	8014.4	7993.1	7939.7	7955.7	7955.7	7913.1	7918.4	7859.7	7891.7	7902.4
17.5°	8078.5	8025.1	8009.1	7945.1	7998.4	8014.4	7934.4	7881.0	7918.4	7913.1	7907.7
20°	8105.1	8126.5	8110.5	8121.2	8142.5	8099.8	8025.1	7950.4	7902.4	7971.8	7966.4
22.5°	8275.9	8254.6	8243.9	8233.2	8270.6	8313.2	8211.9	8094.5	8094.5	8142.5	8163.8
25°	8414.6	8409.3	8404.0	8452.0	8580.0	8580.0	8452.0	8302.6	8265.2	8297.2	8270.6
27.5°	8617.4	8676.1	8654.7	8740.1	8926.9	8969.6	8798.8	8622.7	8521.3	8484.0	8532.0
30°	9081.6	9012.2	9028.2	9119.0	9284.4	9423.1	9161.6	8974.9	8836.2	8830.8	8852.2
32.5°	9391.1	9444.4	9492.5	9577.8	9839.3	9946.0	9631.2	9327.1	9241.7	9193.7	9209.7
35°	10010.0	9962.0	9951.4	10036.7	10298.2	10474.3	10079.4	9812.6	9700.6	9807.3	9807.3
37.5°	10597.0	10463.6	10362.2	10474.3	10714.4	10735.7	10399.6	10255.5	10196.8	10319.5	10314.2
40°	10874.5	10863.8	10629.0	10693.0	11013.2	11045.2	10730.4	10559.6	10549.0	10709.0	10869.1
42.5°	11162.6	11061.2	10826.4	10869.1	11066.5	11077.2	10778.4	10730.4	10847.8	11002.5	11013.2
45°	11210.6	11125.2	10975.8	10869.1	11013.2	11045.2	10869.1	10901.1	10911.8	11098.6	11098.6
47.5°	11306.7	11296.0	11210.6	11130.6	11157.3	11130.6	11018.5	11066.5	11226.6	11317.3	11274.6
50°	11573.4	11461.4	11546.8	11477.4	11482.7	11557.4	11456.1	11504.1	11472.1	11392.0	11338.7
52.5°	12160.4	12107.0	12181.7	12229.8	12283.1	12453.9	12336.5	12080.4	11840.2	11626.8	11621.5
55°	13019.5	13056.8	13200.9	13446.3	13654.4	13926.6	13361.0	12747.3	12363.2	12027.0	12048.3
57.5°	13830.5	13803.8	14001.3	14561.5	15169.8	15308.5	14198.7	13323.6	12699.3	12485.9	12395.2
59°	13179.5	13307.6	13755.8	14380.1	15335.2	15538.0	14086.6	12854.1	12192.4	11760.2	11834.9
60°	12155.1	12203.1	12603.3	13473.0	14764.3	15111.1	13334.3	12128.4	11248.0	10997.2	11109.2
62.5°	8590.7	8553.4	8841.5	9551.2	10709.0	11178.6	9914.0	9065.6	8510.7	8233.2	8297.2
65°	4567.5	4738.2	4855.6	5298.5	5912.1	6408.3	5885.4	5517.3	5207.8	4978.3	4973.0
67.5°	3084.1	3062.8	3089.5	3190.8	3398.9	3537.7	3527.0	3340.2	3313.6	3270.9	3318.9
70°	2598.6	2587.9	2539.9	2539.9	2582.5	2614.6	2651.9	2673.3	2715.9	2769.3	2764.0
72.5°	2107.7	2081.0	2049.0	2033.0	2086.3	2102.3	2150.3	2171.7	2209.0	2203.7	2251.7
75°	1392.7	1392.7	1430.0	1472.7	1488.7	1520.7	1526.1	1590.1	1590.1	1600.8	1558.1
77.5°	779.0	757.7	784.4	827.1	864.4	923.1	981.8	1029.8	1056.5	1045.8	1045.8
80°	453.5	453.5	480.2	528.2	576.3	629.6	672.3	709.7	736.3	725.7	704.3
82.5°	282.8	282.8	309.5	357.5	394.9	426.9	485.6	533.6	565.6	554.9	528.2
85°	144.1	144.1	176.1	208.1	256.1	277.5	272.1	250.8	245.4	218.8	218.8
87.5°	37.4	37.4	53.4	58.7	48.0	53.4	53.4	53.4	53.4	53.4	58.7
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)