

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: P533325

Luminaire Tested: **GALN-SA8D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533325
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-SA8D-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1200mA 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: 36765 lumens
Efficiency: N/A
Efficacy: 74.6 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

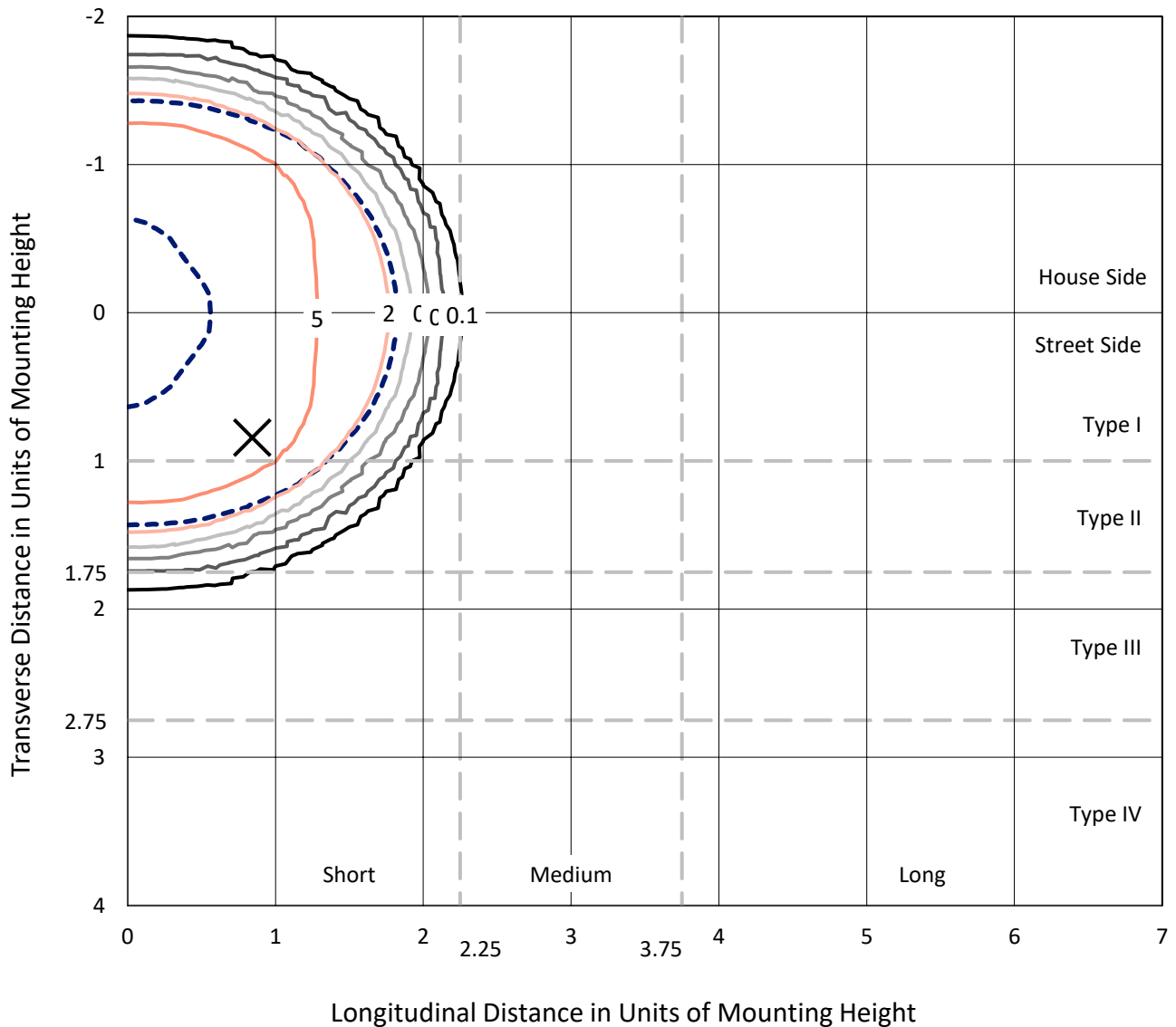
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

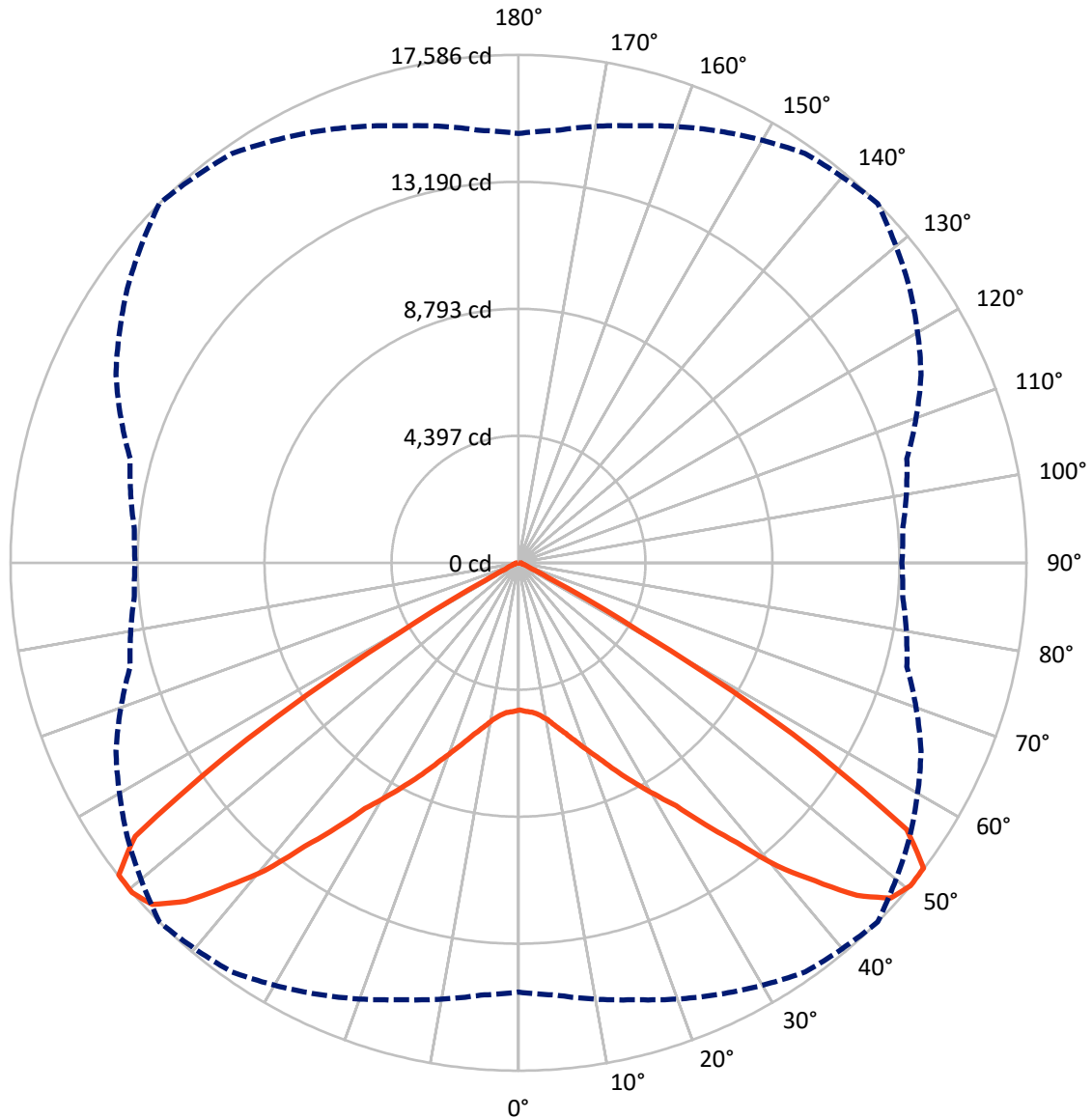
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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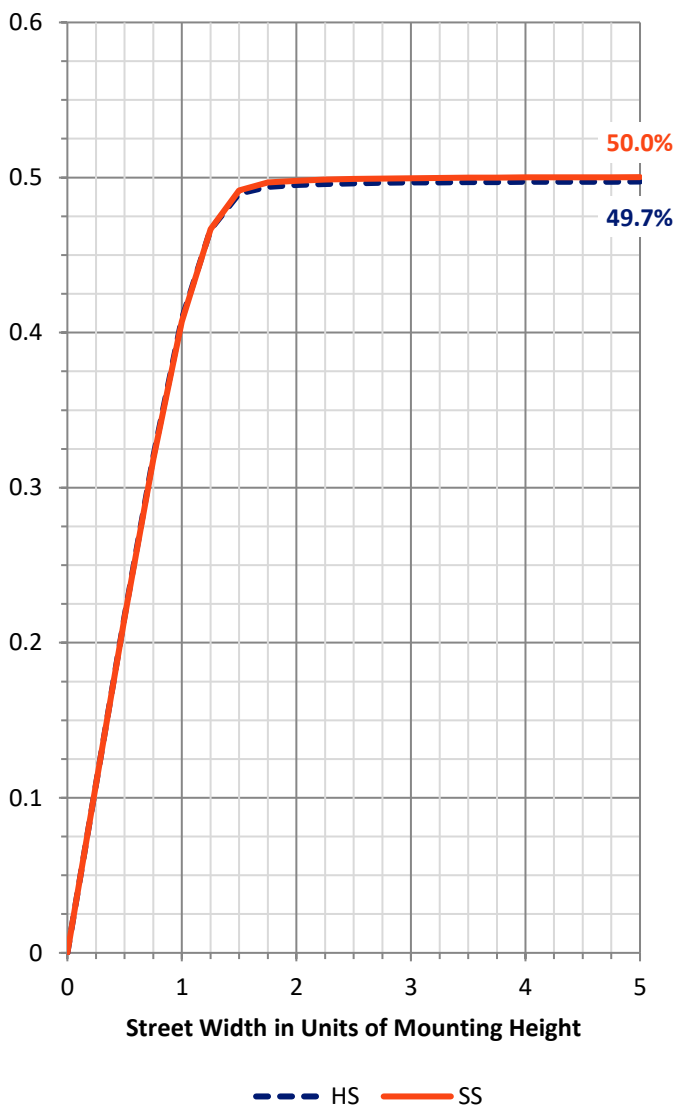
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18382.5	0.0	18382.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18382.5	0.0	18382.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36765.0	0.0	36765.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.1	1.4
10°-20°	1747.7	4.8
20°-30°	3569.5	9.7
30°-40°	6807.0	18.5
40°-50°	11470.8	31.2
50°-60°	10939.4	29.8
60°-70°	1527.1	4.2
70°-80°	146.0	0.4
80°-90°	50.5	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°	36765.0	100.0
0°-180°	36765.0	100.0

Coefficient of Utilization



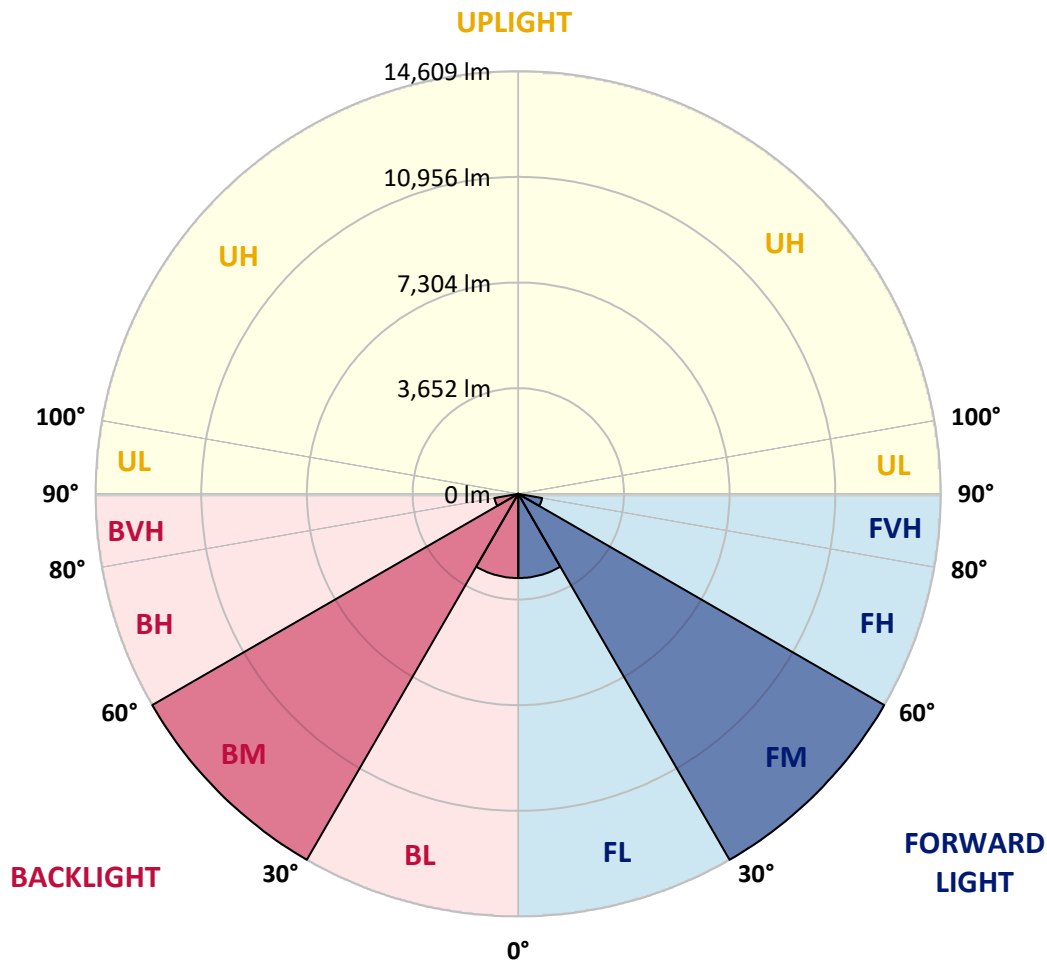
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2912.1	7.9			
FM (30°-60°)	14608.6	39.7			
FH (60°-80°)	836.6	2.3			G1/1800
FVH (80°-90°)	25.2	0.1			G1/100
BL (0°-30°)	2912.1	7.9	B4/5000		
BM (30°-60°)	14608.6	39.7	B5		
BH (60°-80°)	836.6	2.3	B2/1000		G1/1800
BVH (80°-90°)	25.2	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°	5097.1	5097.1	5097.1	5097.1	5097.1	5097.1	5097.1	5097.1	5097.1	5097.1	5097.1
2.5°	5078.5	5078.5	5072.3	5121.8	5097.1	5152.7	5146.5	5165.1	5183.7	5177.5	5227.0
5°	5035.2	5029.0	5029.0	5084.7	5140.4	5202.2	5257.9	5295.0	5356.9	5356.9	5418.7
7.5°	5078.5	5047.6	5090.9	5115.6	5220.8	5325.9	5418.7	5493.0	5635.2	5684.7	5666.2
10°	5090.9	5128.0	5158.9	5233.1	5363.1	5523.9	5604.3	5789.9	5950.7	6062.0	6086.8
12.5°	5171.3	5227.0	5313.6	5493.0	5610.5	5820.8	5932.1	6111.5	6334.2	6457.9	6544.5
15°	5325.9	5344.5	5455.8	5684.7	5938.3	6130.1	6303.3	6433.2	6649.7	6792.0	6798.1
17.5°	5523.9	5604.3	5758.9	5975.4	6241.4	6526.0	6662.1	6804.3	6884.7	7076.5	7119.8
20°	5919.8	5932.1	6080.6	6365.1	6699.2	6959.0	7057.9	7132.2	7101.2	7299.2	7336.3
22.5°	6290.9	6303.3	6488.9	6872.4	7231.1	7453.8	7497.1	7453.8	7361.0	7503.3	7515.7
25°	6668.2	6779.6	6915.7	7299.2	7744.6	8041.5	8047.7	7930.1	7738.4	7763.1	7825.0
27.5°	7255.9	7336.3	7478.6	7831.2	8319.8	8653.9	8598.2	8455.9	8208.5	8227.1	8208.5
30°	7942.5	8016.7	8134.3	8585.8	8944.6	9309.6	9390.0	9253.9	8882.7	8802.3	8895.1
32.5°	8771.4	8876.6	9093.1	9507.5	9810.6	10033.3	10089.0	10039.5	9693.1	9662.2	9724.0
35°	9779.7	9922.0	10119.9	10484.9	10732.3	11134.4	11134.4	10967.3	10651.9	10689.0	10682.8
37.5°	10843.6	11053.9	11363.2	11734.4	12068.4	12284.9	12216.9	12074.6	11759.1	11678.7	11759.1
40°	12179.8	12284.9	12674.6	13157.1	13565.4	13812.8	13522.1	13212.8	12458.1	12575.6	12792.1
42.5°	13398.3	13565.4	13862.3	14394.3	14858.2	15062.3	14715.9	14103.5	13194.2	13101.4	13262.3
45°	14437.6	14616.9	15006.6	15767.5	16256.2	16435.6	15668.5	14678.8	13639.6	13404.5	13472.6
47.5°	15130.4	15223.1	15767.5	16491.2	16936.6	17344.9	16243.8	15074.7	13849.9	13404.5	13379.8
50°	14864.4	15025.2	15662.3	16485.0	17295.4	17586.1	16534.5	15377.8	13918.0	13348.9	13274.6
52.5°	13200.4	13478.8	14190.1	15297.4	16522.2	17561.4	16936.6	15278.8	13893.2	13404.5	13515.9
55°	9185.8	9192.0	10058.0	11691.1	13856.1	16305.7	16349.0	15390.2	14054.0	13750.9	13757.1
57.5°	3692.9	3878.5	4540.3	6179.6	8177.6	11196.2	13311.7	14276.7	14072.6	13998.4	14190.1
60°	934.0	940.2	1144.4	1744.4	2876.4	4800.1	6971.3	9433.3	10862.2	11350.9	11418.9
62.5°	476.3	482.5	532.0	618.6	785.6	1286.6	2288.7	3631.0	5165.1	5944.5	6148.6
65°	389.7	389.7	420.6	463.9	470.1	494.9	593.8	847.4	1231.0	1398.0	1416.5
67.5°	296.9	296.9	321.7	346.4	358.8	352.6	340.2	352.6	426.8	408.3	395.9
70°	185.6	191.8	204.1	228.9	241.2	247.4	253.6	266.0	303.1	315.5	303.1
72.5°	111.3	111.3	117.5	136.1	154.6	167.0	185.6	197.9	216.5	247.4	241.2
75°	49.5	49.5	61.9	80.4	99.0	117.5	136.1	154.6	167.0	185.6	191.8
77.5°	12.4	18.6	30.9	55.7	74.2	99.0	123.7	142.3	154.6	154.6	148.5
80°	6.2	6.2	24.7	43.3	80.4	105.2	136.1	148.5	167.0	154.6	136.1
82.5°	6.2	6.2	24.7	43.3	74.2	105.2	142.3	160.8	173.2	154.6	129.9
85°	0.0	6.2	18.6	37.1	61.9	74.2	61.9	43.3	24.7	24.7	18.6
87.5°	0.0	0.0	6.2	6.2	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)