

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: P526353

Luminaire Tested: **GALN-SA1B-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526353
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-SA1B-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3003 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

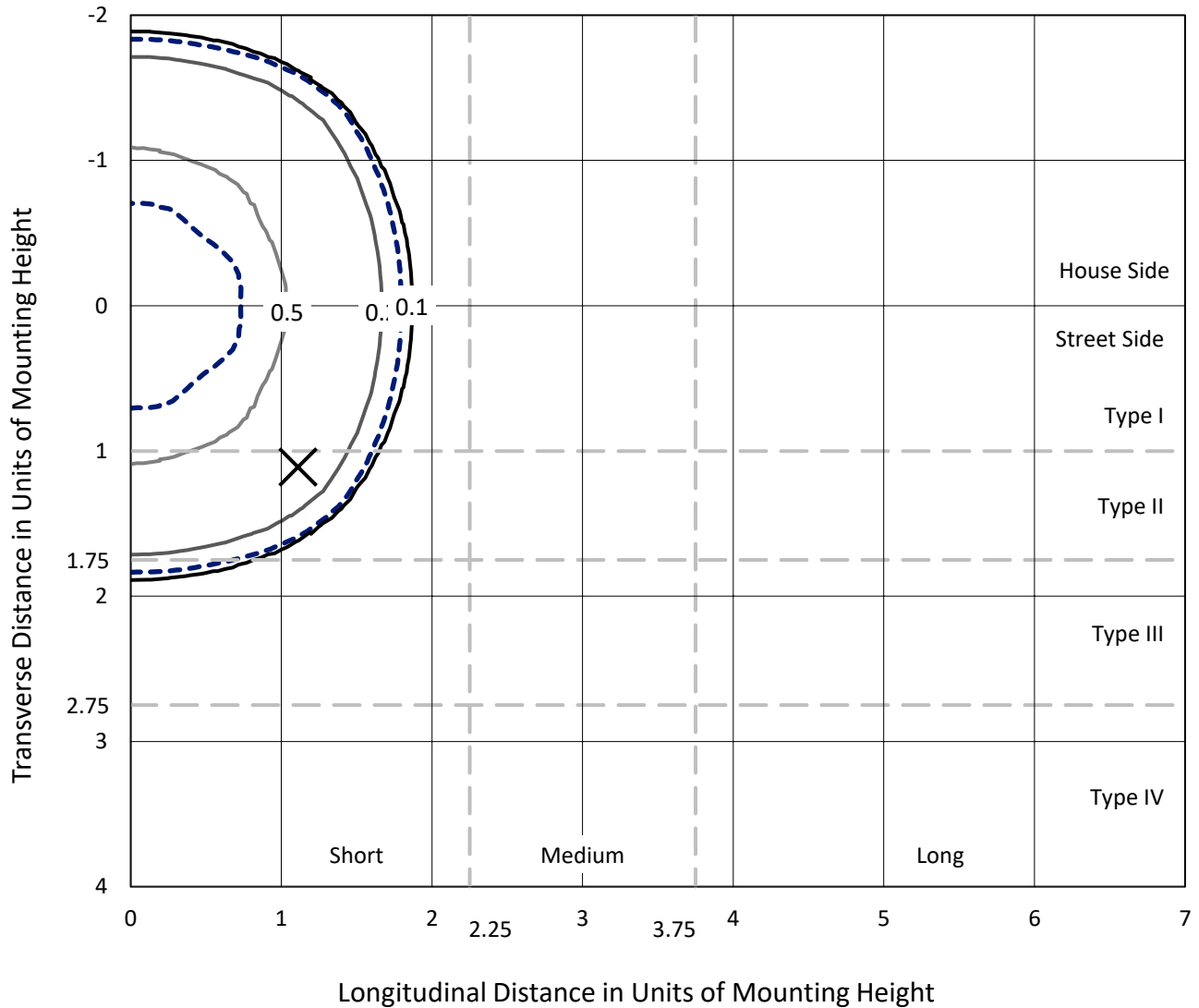
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

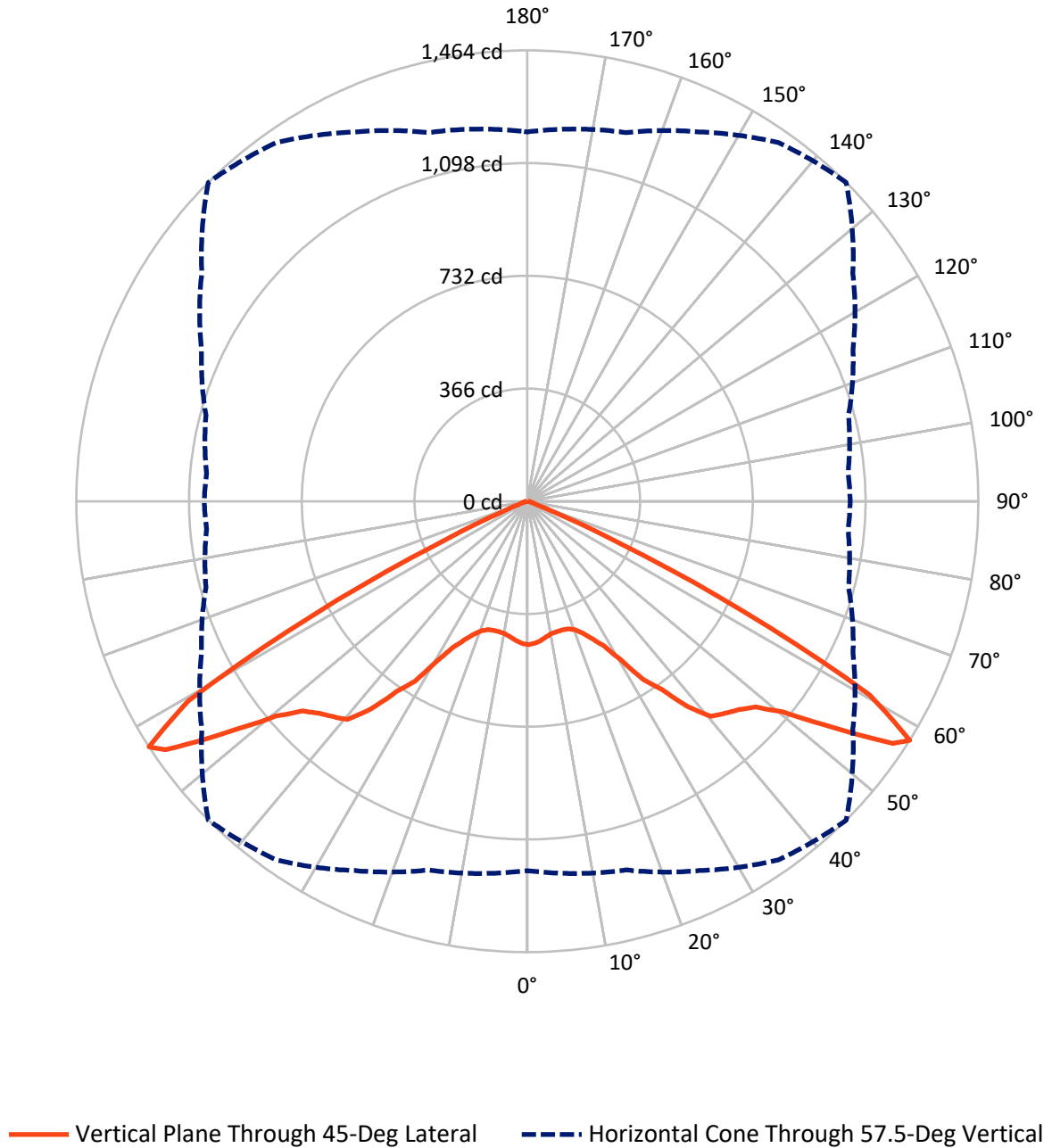
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	1501.5	0.0	1501.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1501.5	0.0	1501.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3003.0	0.0	3003.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	1.4
10°-20°	123.7	4.1
20°-30°	228.4	7.6
30°-40°	449.1	15.0
40°-50°	731.5	24.4
50°-60°	1043.2	34.7
60°-70°	361.2	12.0
70°-80°	19.4	0.6
80°-90°	3.6	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°	3003.0	100.0
0°-180°	3003.0	100.0

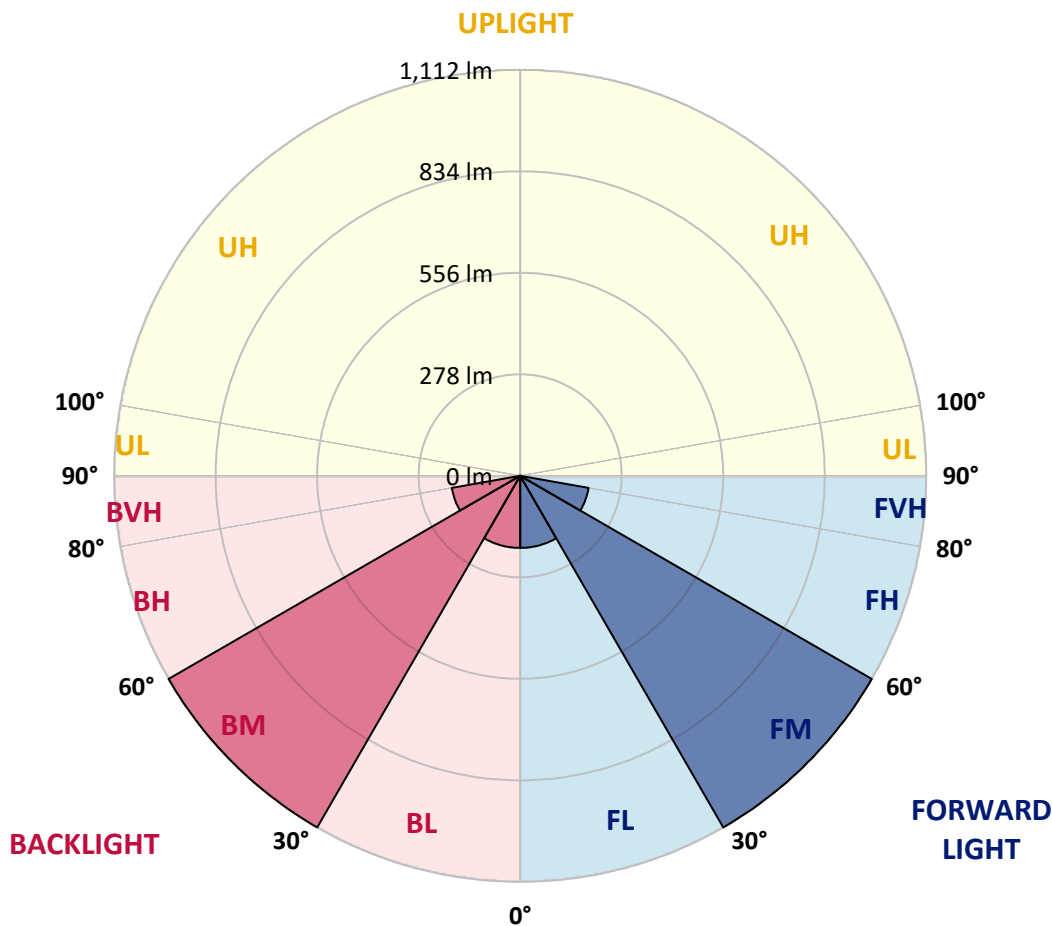


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.5	6.6			
FM (30°-60°)	1111.9	37.0			
FH (60°-80°)	190.3	6.3			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	197.5	6.6	B1/500		
BM (30°-60°)	1111.9	37.0	B2/2500		
BH (60°-80°)	190.3	6.3	B1/500		G0/660
BVH (80°-90°)	1.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8
2.5°	464.5	467.0	463.9	462.7	462.0	462.0	460.2	460.2	459.5	460.2	457.7
5°	457.0	459.5	459.5	458.9	455.2	454.5	452.6	451.4	452.0	449.5	451.4
7.5°	449.5	451.4	448.9	448.3	447.0	444.5	443.9	438.2	438.9	438.9	440.1
10°	448.3	447.6	443.9	440.8	437.0	436.4	434.5	433.2	433.2	432.6	434.5
12.5°	448.3	445.1	444.5	437.6	431.4	433.9	428.9	425.7	430.1	431.4	433.9
15°	447.6	450.8	440.1	437.0	432.6	433.2	428.9	425.7	428.2	429.5	431.4
17.5°	451.4	449.5	446.4	440.1	438.2	435.7	430.1	427.6	427.6	430.7	431.4
20°	461.4	456.4	450.1	447.0	448.9	445.8	438.9	429.5	432.0	434.5	436.4
22.5°	470.8	467.0	462.7	460.8	471.4	466.4	454.5	443.9	440.1	444.5	447.6
25°	489.0	489.0	480.8	483.3	495.2	495.8	482.1	463.3	460.8	462.7	463.9
27.5°	525.9	527.8	520.9	523.4	528.4	532.8	520.9	505.2	499.6	499.0	500.9
30°	566.0	569.7	569.1	579.7	594.1	596.6	579.1	553.4	536.5	533.4	535.9
32.5°	618.6	620.4	619.2	631.7	670.5	688.7	643.0	606.7	584.1	589.8	584.1
35°	717.5	715.6	701.8	704.3	736.3	749.4	705.6	682.4	671.8	683.0	680.5
37.5°	802.6	795.7	784.5	800.7	833.9	845.8	800.1	759.4	740.0	758.8	766.9
40°	874.6	857.1	841.4	857.7	902.2	918.4	851.5	818.3	810.8	824.5	842.1
42.5°	935.3	924.1	903.4	904.7	934.1	941.6	887.8	868.4	860.8	882.8	891.5
45°	978.5	967.9	948.5	947.2	969.8	964.8	916.6	903.4	907.8	922.2	926.6
47.5°	1000.5	1006.1	994.8	998.0	1009.9	998.0	959.8	959.8	949.7	958.5	954.1
50°	1063.7	1046.2	1060.6	1060.6	1073.1	1074.3	1036.1	1022.4	995.5	980.4	980.4
52.5°	1137.6	1138.8	1144.5	1165.1	1186.4	1204.6	1150.1	1091.2	1046.2	1026.8	1024.3
55°	1198.3	1210.8	1233.4	1272.2	1333.5	1358.6	1264.7	1159.5	1104.4	1074.3	1068.1
56°	1231.5	1219.6	1258.4	1311.6	1391.8	1424.3	1283.4	1173.3	1112.5	1078.7	1078.1
57.5°	1199.6	1212.7	1239.6	1323.5	1421.8	1464.4	1290.3	1167.0	1080.0	1045.5	1048.7
60°	947.2	959.8	996.1	1090.0	1244.0	1277.2	1091.9	962.3	884.6	835.2	835.8
62.5°	535.9	545.3	573.5	660.5	756.3	788.2	680.5	594.1	540.3	512.8	504.0
65°	197.2	193.5	197.8	242.3	301.1	328.1	283.0	239.2	211.0	201.0	197.2
67.5°	73.9	68.2	63.9	68.2	85.8	90.8	83.3	69.5	65.1	67.0	68.2
70°	45.7	43.2	34.4	32.6	31.9	31.3	33.2	35.1	40.1	47.0	48.2
72.5°	31.9	30.1	24.4	23.2	21.9	21.3	24.4	26.9	31.3	36.3	36.9
75°	12.5	13.1	12.5	13.8	14.4	15.0	17.5	19.4	21.3	21.3	20.7
77.5°	2.5	2.5	3.8	5.0	6.3	8.1	11.9	13.8	14.4	13.8	11.9
80°	0.0	0.0	1.3	2.5	5.0	6.9	10.6	11.9	13.1	11.9	9.4
82.5°	0.0	0.0	1.3	3.1	5.0	6.3	10.0	12.5	14.4	13.1	10.0
85°	0.0	0.0	1.3	2.5	3.8	4.4	4.4	3.1	3.1	1.9	1.3
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)