

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: P526116

Luminaire Tested: **GALN-SA1A-740-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526116
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-SA1A-740-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4084 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

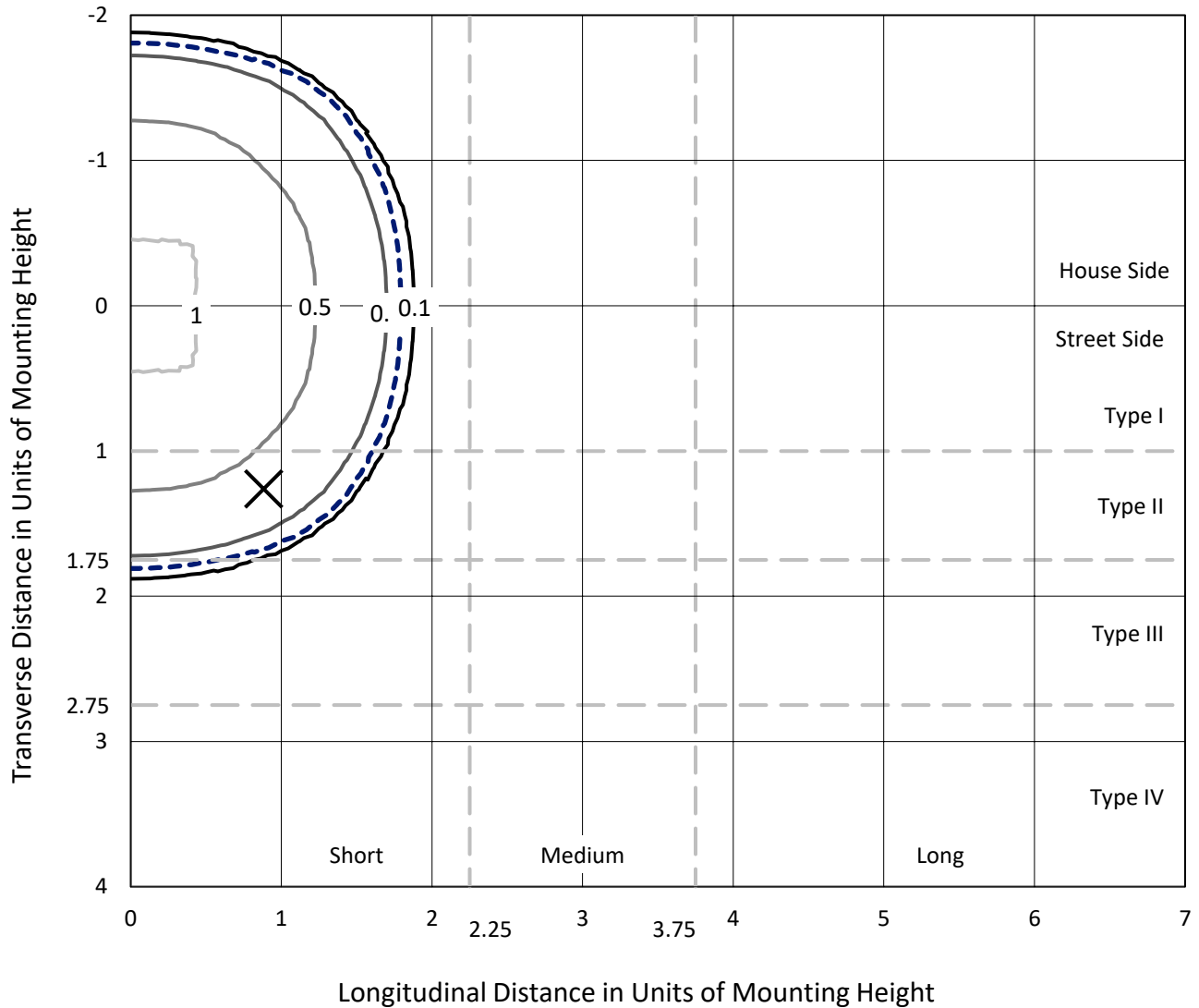
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

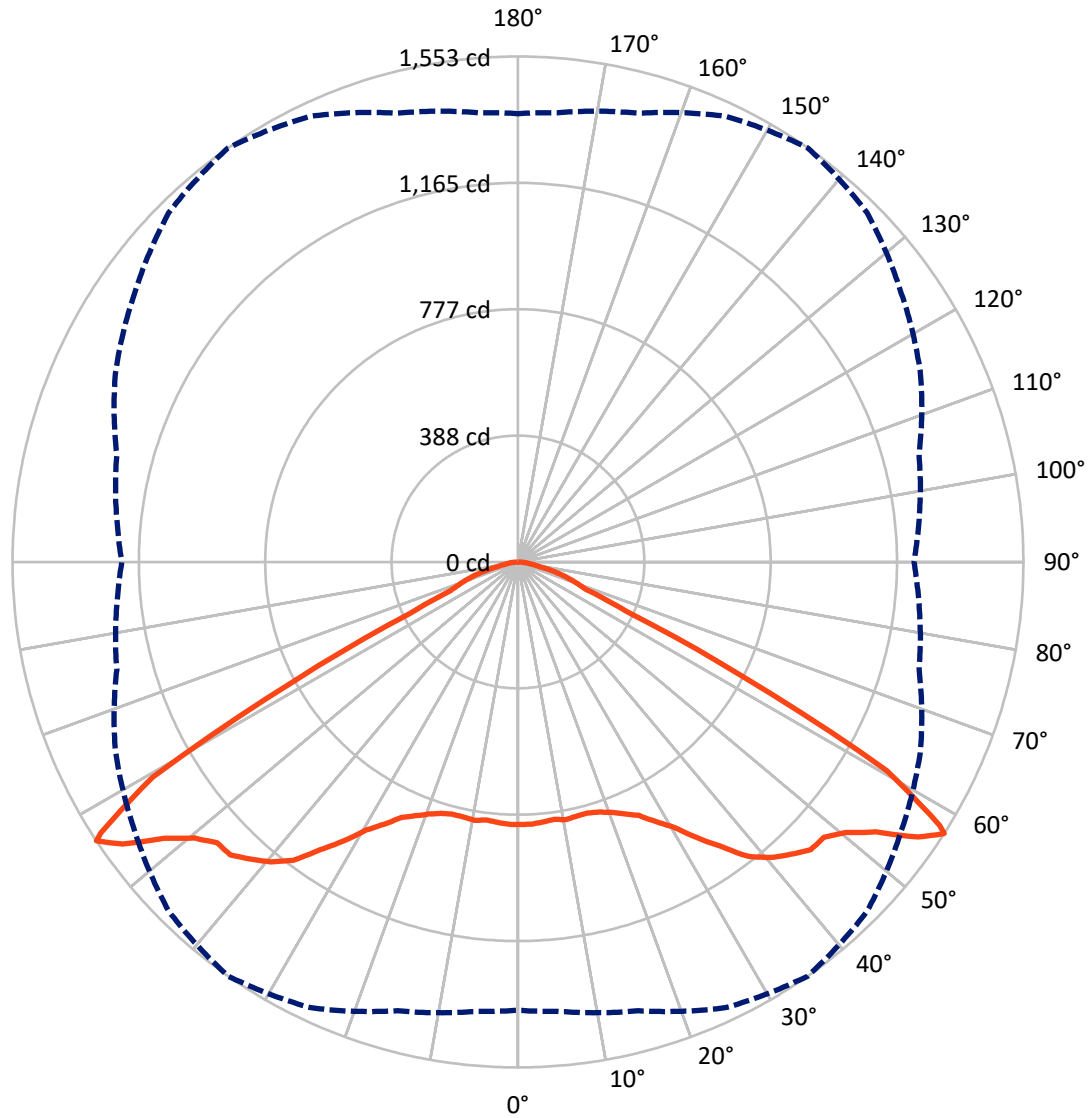
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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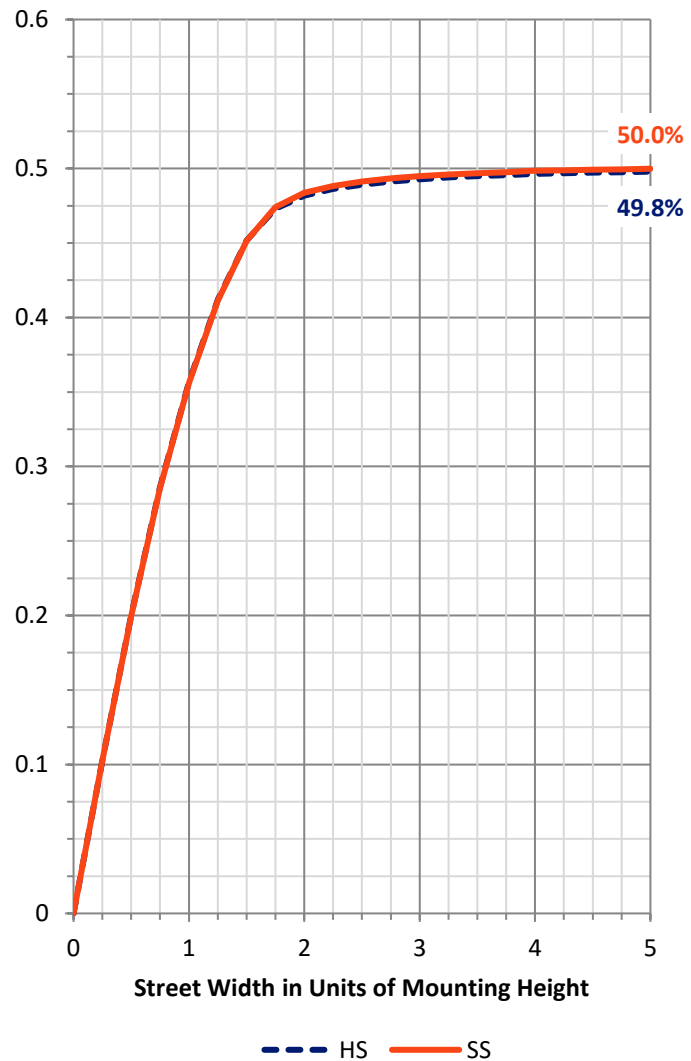
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2042.0	0.0	2042.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2042.0	0.0	2042.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4084.0	0.0	4084.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	1.9
10°-20°	226.5	5.5
20°-30°	395.5	9.7
30°-40°	648.1	15.9
40°-50°	950.2	23.3
50°-60°	1196.9	29.3
60°-70°	450.1	11.0
70°-80°	119.7	2.9
80°-90°	20.5	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°	4084.0	100.0
0°-180°	4084.0	100.0



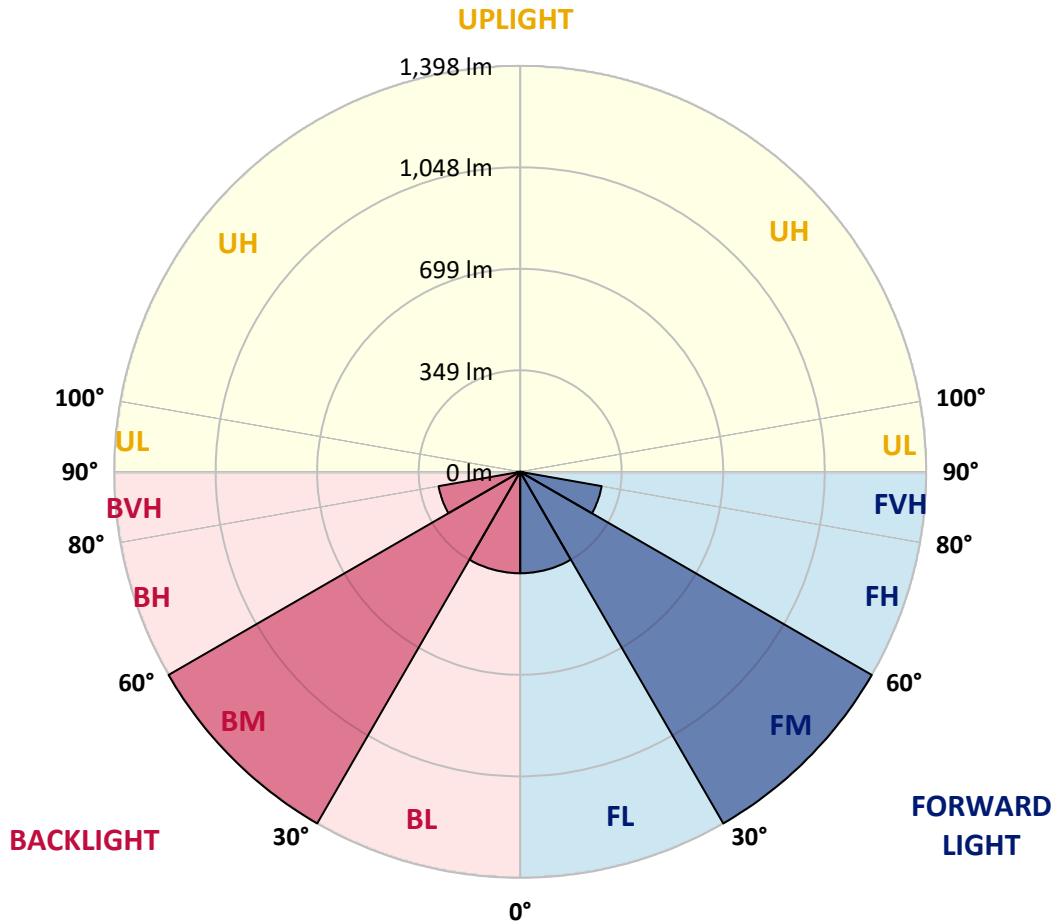
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.2	8.6			
FM (30°-60°)	1397.6	34.2			
FH (60°-80°)	284.9	7.0			G0/660
FVH (80°-90°)	10.3	0.3			G1/100
BL (0°-30°)	349.2	8.6	B1/500		
BM (30°-60°)	1397.6	34.2	B2/2500		
BH (60°-80°)	284.9	7.0	B1/500		G0/660
BVH (80°-90°)	10.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6	806.6
2.5°	802.5	810.6	807.1	805.1	806.6	804.0	800.0	804.5	803.5	799.5	798.0
5°	800.5	806.6	802.5	806.6	802.5	809.6	807.6	800.0	809.1	800.5	803.5
7.5°	799.0	801.0	802.0	800.0	798.5	807.1	802.5	799.0	794.0	792.5	795.0
10°	795.5	800.5	793.0	803.0	805.1	799.0	799.0	792.5	788.4	785.9	794.5
12.5°	804.5	796.0	795.0	800.0	801.5	804.0	797.0	793.5	785.9	786.9	785.4
15°	794.0	797.5	798.0	799.0	800.5	806.6	800.0	792.5	789.5	778.9	779.9
17.5°	798.0	794.5	798.0	809.6	807.6	812.1	805.1	793.5	786.4	780.4	788.4
20°	805.1	803.5	805.1	819.1	821.7	825.7	819.6	809.1	795.5	788.4	792.5
22.5°	812.6	811.6	812.6	826.2	840.8	845.8	839.8	815.1	808.1	795.0	790.5
25°	826.2	827.2	837.8	852.9	862.4	872.0	860.9	843.3	820.6	812.6	803.0
27.5°	856.4	858.9	864.9	887.1	903.7	912.2	896.6	872.5	858.4	841.8	839.3
30°	893.6	893.6	904.2	923.3	945.9	959.0	939.9	911.2	894.1	885.1	879.5
32.5°	942.9	937.4	941.4	975.1	1010.3	1021.4	995.7	960.5	933.4	921.3	917.3
35°	985.2	988.7	997.8	1034.0	1073.2	1098.9	1058.6	1012.9	985.2	974.1	972.1
37.5°	1040.0	1046.1	1050.6	1100.4	1147.7	1157.3	1118.5	1081.8	1048.1	1039.0	1034.0
40°	1117.5	1113.5	1115.0	1151.7	1194.5	1200.5	1162.3	1136.1	1108.5	1102.9	1102.9
42.5°	1181.4	1176.9	1181.9	1195.5	1228.2	1223.7	1202.5	1183.4	1171.9	1165.8	1171.9
45°	1220.2	1219.1	1228.2	1238.3	1261.4	1246.3	1229.7	1232.7	1221.7	1211.6	1211.1
47.5°	1262.4	1255.9	1266.9	1282.0	1264.4	1257.4	1256.4	1262.9	1259.4	1241.8	1236.3
50°	1283.0	1280.5	1298.1	1315.8	1306.2	1290.1	1293.6	1304.2	1258.9	1235.2	1221.7
52.5°	1338.4	1338.9	1372.6	1382.2	1378.1	1354.5	1362.0	1333.4	1280.0	1246.8	1248.3
55°	1425.4	1421.9	1459.7	1487.8	1492.4	1462.2	1425.9	1385.7	1318.8	1285.1	1275.0
57°	1377.6	1385.7	1427.5	1511.0	1553.2	1517.5	1438.5	1365.1	1276.0	1235.2	1217.1
57.5°	1313.7	1326.8	1399.3	1483.3	1527.6	1524.6	1422.9	1326.8	1247.3	1183.9	1185.4
60°	962.5	965.1	1030.5	1163.8	1302.2	1305.2	1181.4	1054.1	965.6	896.6	906.2
62.5°	507.7	519.3	545.4	652.6	772.3	801.5	726.6	661.1	584.7	532.3	537.4
65°	268.7	267.2	279.8	309.9	368.8	383.9	373.8	322.0	295.4	286.8	287.3
67.5°	218.4	220.9	219.4	220.9	224.9	231.5	229.9	232.0	233.5	236.0	235.5
70°	185.2	185.2	186.2	186.7	186.7	189.7	193.2	199.8	200.3	202.8	203.8
72.5°	145.9	144.9	146.4	149.9	150.4	153.0	158.0	162.0	163.5	163.5	160.5
75°	99.1	100.1	102.1	105.2	108.2	112.7	116.7	119.2	120.3	118.7	117.2
77.5°	55.9	56.9	58.4	62.9	66.4	70.4	75.0	77.5	80.0	80.5	77.5
80°	33.2	33.2	35.7	39.2	43.3	47.3	51.3	54.3	55.3	55.3	53.8
82.5°	20.1	20.6	22.6	26.2	29.7	32.2	35.7	38.2	40.3	39.7	38.7
85°	10.6	10.6	12.6	15.6	18.1	20.6	20.6	19.1	18.1	15.6	14.6
87.5°	3.5	3.0	4.0	4.0	3.5	4.0	4.0	4.5	4.5	4.5	4.5
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)