

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: P526090

Luminaire Tested: **GALN-SA1A-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526090
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-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 3805 lumens
Efficiency: N/A
Efficacy: 115.3 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

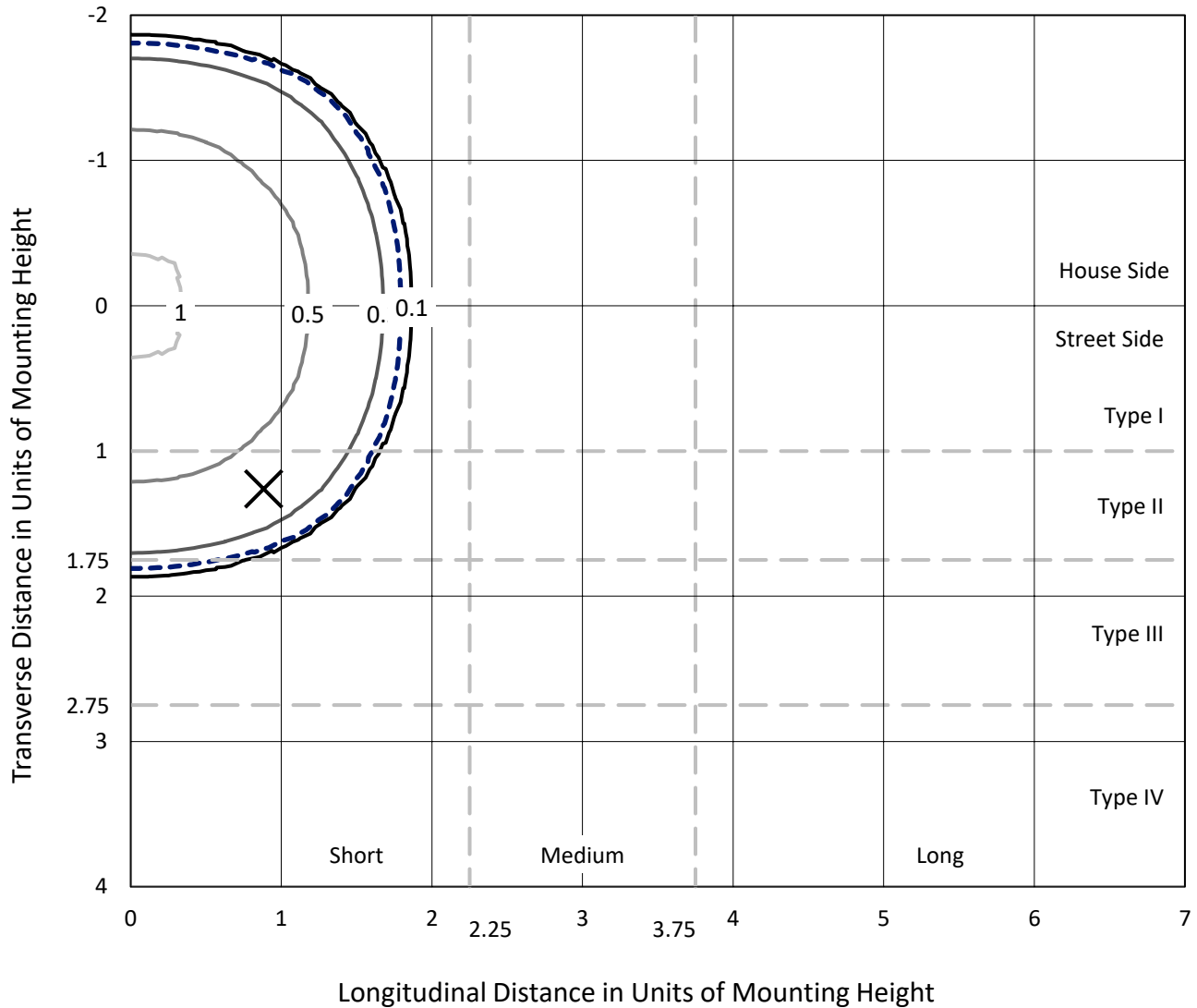
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

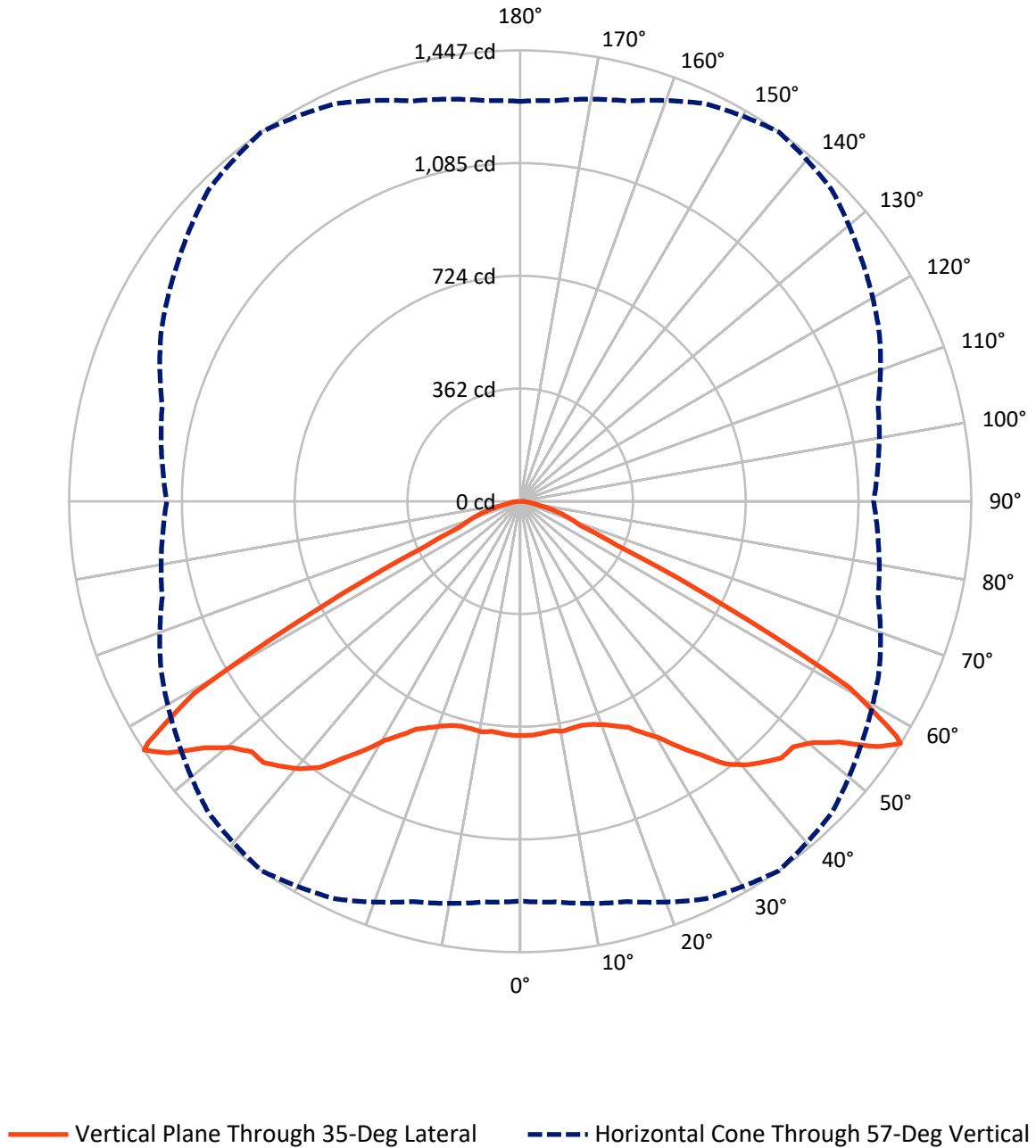
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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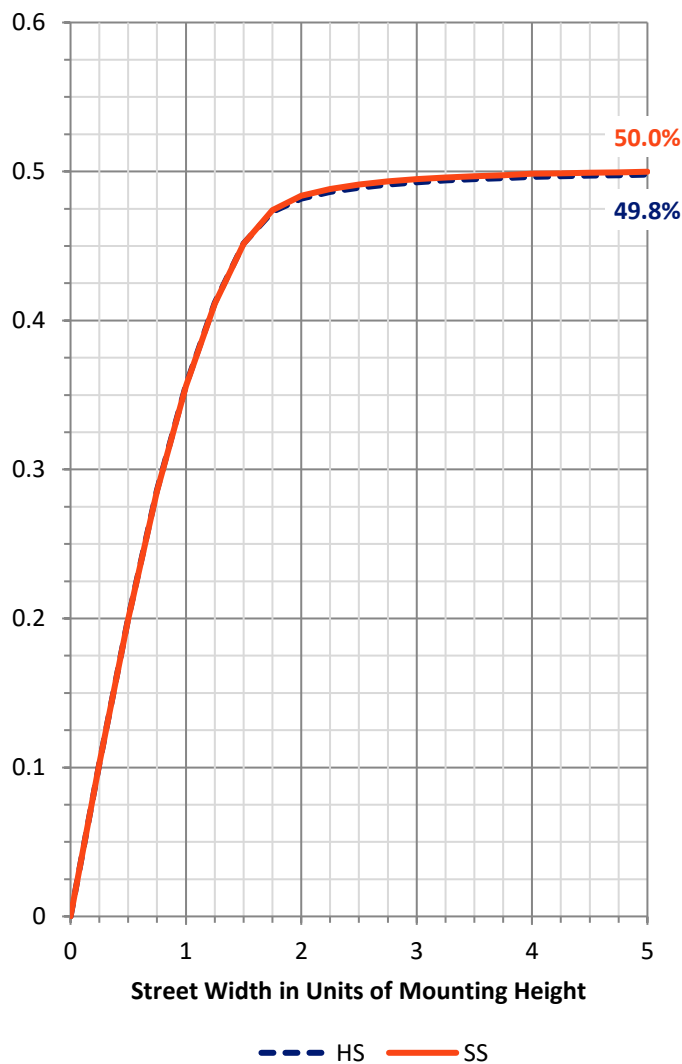
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1902.5	0.0	1902.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1902.5	0.0	1902.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3805.0	0.0	3805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.9
10°-20°	211.0	5.5
20°-30°	368.5	9.7
30°-40°	603.8	15.9
40°-50°	885.3	23.3
50°-60°	1115.1	29.3
60°-70°	419.4	11.0
70°-80°	111.5	2.9
80°-90°	19.1	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°	3805.0	100.0
0°-180°	3805.0	100.0

Coefficient of Utilization

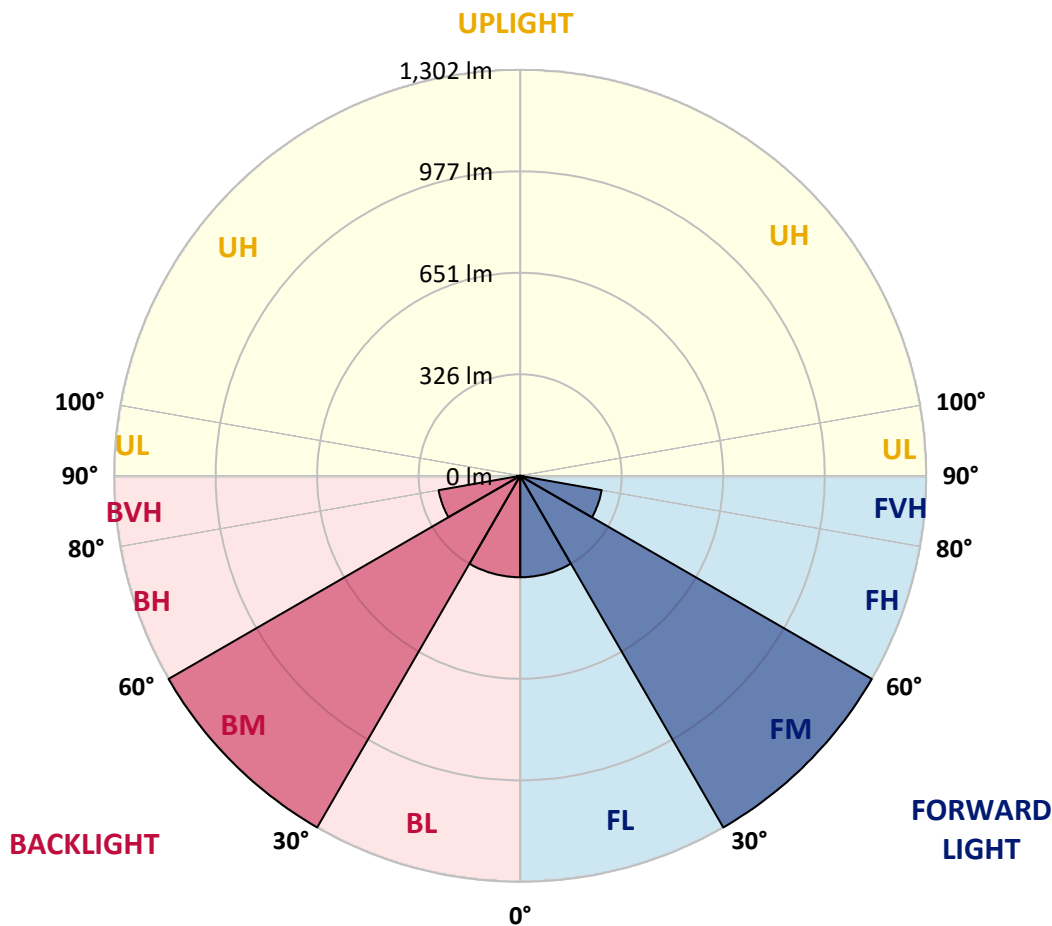


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.4	8.6			
FM (30°-60°)	1302.1	34.2			
FH (60°-80°)	265.4	7.0			G0/660
FVH (80°-90°)	9.6	0.3			G0/10
BL (0°-30°)	325.4	8.6	B1/500		
BM (30°-60°)	1302.1	34.2	B2/2500		
BH (60°-80°)	265.4	7.0	B1/500		G0/660
BVH (80°-90°)	9.6	0.3			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°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5
2.5°	747.7	755.2	751.9	750.1	751.5	749.1	745.4	749.6	748.6	744.9	743.5
5°	745.8	751.5	747.7	751.5	747.7	754.3	752.4	745.4	753.8	745.8	748.6
7.5°	744.4	746.3	747.2	745.4	744.0	751.9	747.7	744.4	739.7	738.3	740.7
10°	741.1	745.8	738.8	748.2	750.1	744.4	744.4	738.3	734.6	732.2	740.2
12.5°	749.6	741.6	740.7	745.4	746.8	749.1	742.6	739.3	732.2	733.2	731.8
15°	739.7	743.0	743.5	744.4	745.8	751.5	745.4	738.3	735.5	725.7	726.6
17.5°	743.5	740.2	743.5	754.3	752.4	756.6	750.1	739.3	732.7	727.1	734.6
20°	750.1	748.6	750.1	763.2	765.5	769.3	763.6	753.8	741.1	734.6	738.3
22.5°	757.1	756.1	757.1	769.7	783.3	788.0	782.4	759.4	752.9	740.7	736.5
25°	769.7	770.7	780.5	794.6	803.5	812.4	802.1	785.7	764.6	757.1	748.2
27.5°	797.9	800.2	805.8	826.5	841.9	849.9	835.4	812.9	799.7	784.3	781.9
30°	832.6	832.6	842.4	860.2	881.3	893.5	875.7	849.0	833.0	824.6	819.4
32.5°	878.5	873.3	877.1	908.5	941.3	951.6	927.7	894.9	869.6	858.3	854.6
35°	917.9	921.2	929.6	963.3	999.9	1023.8	986.3	943.7	917.9	907.6	905.7
37.5°	969.0	974.6	978.8	1025.2	1069.3	1078.2	1042.1	1007.9	976.5	968.0	963.3
40°	1041.2	1037.4	1038.8	1073.0	1112.9	1118.5	1082.9	1058.5	1032.7	1027.6	1027.6
42.5°	1100.7	1096.5	1101.2	1113.8	1144.3	1140.1	1120.4	1102.6	1091.8	1086.2	1091.8
45°	1136.8	1135.9	1144.3	1153.7	1175.2	1161.2	1145.7	1148.5	1138.2	1128.8	1128.4
47.5°	1176.2	1170.1	1180.4	1194.5	1178.1	1171.5	1170.6	1176.6	1173.4	1157.0	1151.8
50°	1195.4	1193.1	1209.5	1225.9	1217.0	1202.0	1205.2	1215.1	1172.9	1150.9	1138.2
52.5°	1247.0	1247.4	1278.8	1287.7	1284.0	1262.0	1269.0	1242.3	1192.6	1161.6	1163.1
55°	1328.1	1324.8	1359.9	1386.2	1390.4	1362.3	1328.5	1291.0	1228.7	1197.3	1187.9
57°	1283.5	1291.0	1329.9	1407.8	1447.1	1413.9	1340.3	1271.8	1188.8	1150.9	1134.0
57.5°	1224.0	1236.2	1303.7	1382.0	1423.2	1420.4	1325.7	1236.2	1162.1	1103.0	1104.5
60°	896.8	899.1	960.1	1084.3	1213.2	1216.0	1100.7	982.1	899.6	835.4	844.3
62.5°	473.0	483.8	508.2	608.0	719.6	746.8	676.9	616.0	544.7	496.0	500.7
65°	250.3	248.9	260.6	288.8	343.6	357.7	348.3	300.0	275.2	267.2	267.7
67.5°	203.5	205.8	204.4	205.8	209.5	215.6	214.2	216.1	217.5	219.9	219.4
70°	172.5	172.5	173.4	173.9	173.9	176.7	180.0	186.1	186.6	188.9	189.9
72.5°	135.9	135.0	136.4	139.7	140.2	142.5	147.2	150.9	152.4	152.4	149.5
75°	92.4	93.3	95.2	98.0	100.8	105.0	108.8	111.1	112.0	110.6	109.2
77.5°	52.0	53.0	54.4	58.6	61.9	65.6	69.8	72.2	74.5	75.0	72.2
80°	30.9	30.9	33.3	36.6	40.3	44.1	47.8	50.6	51.6	51.6	50.2
82.5°	18.8	19.2	21.1	24.4	27.7	30.0	33.3	35.6	37.5	37.0	36.1
85°	9.8	9.8	11.7	14.5	16.9	19.2	19.2	17.8	16.9	14.5	13.6
87.5°	3.3	2.8	3.8	3.8	3.3	3.8	3.8	4.2	4.2	4.2	4.2
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)