

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: P526454

Luminaire Tested: **GALN-SA1B-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526454
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-SA1B-830-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 4039 lumens
Efficiency: N/A
Efficacy: 91.8 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): 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



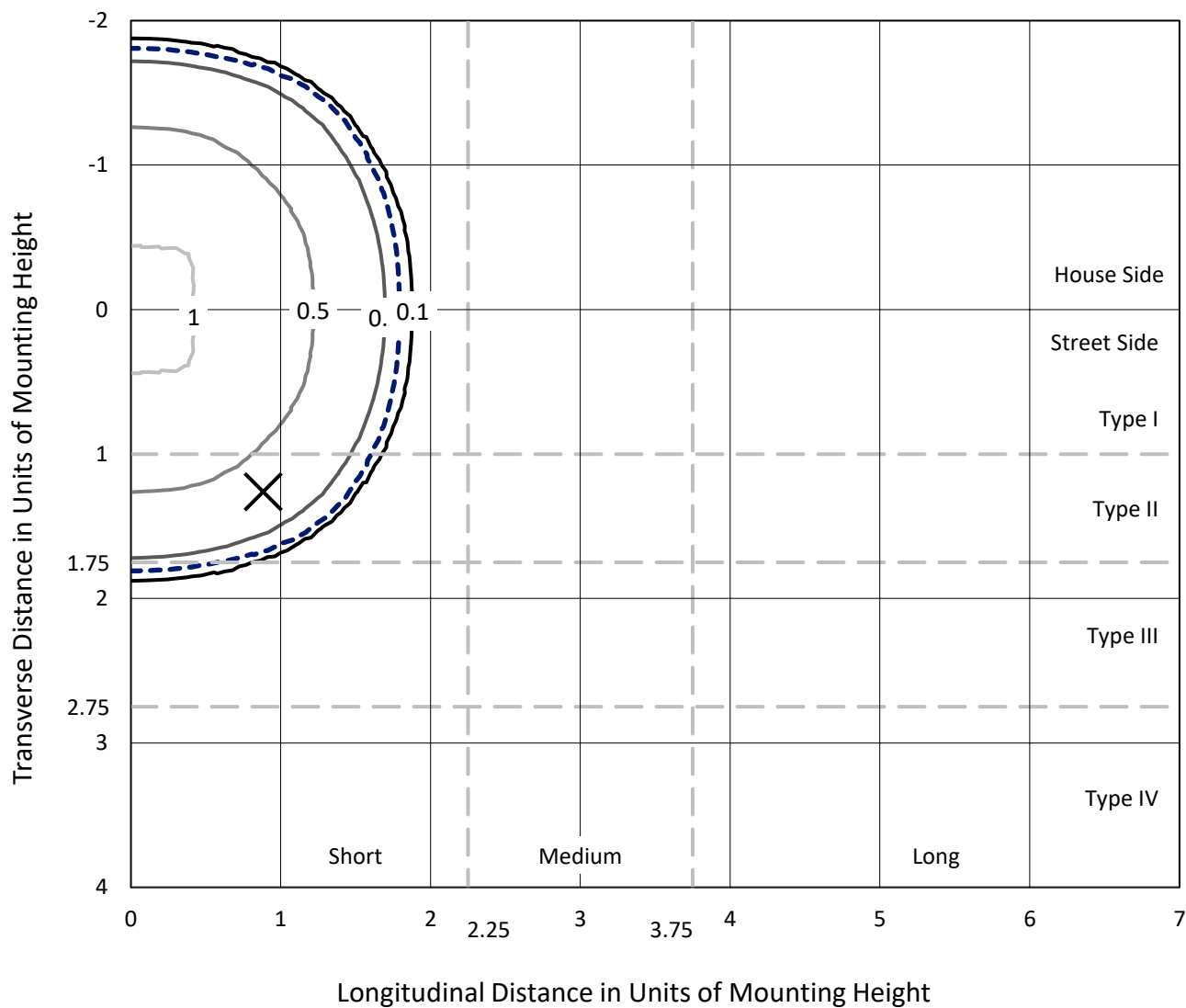
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

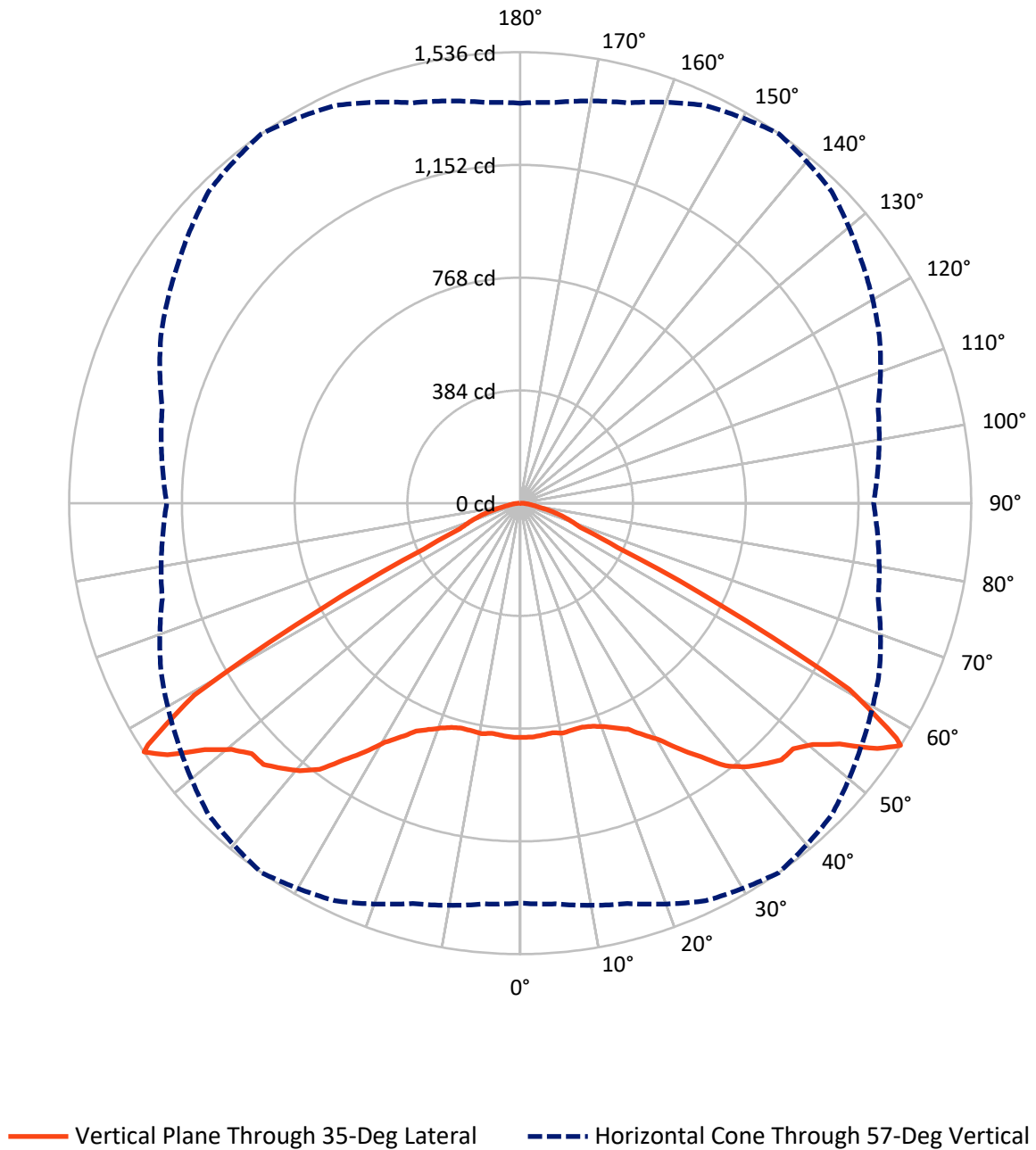
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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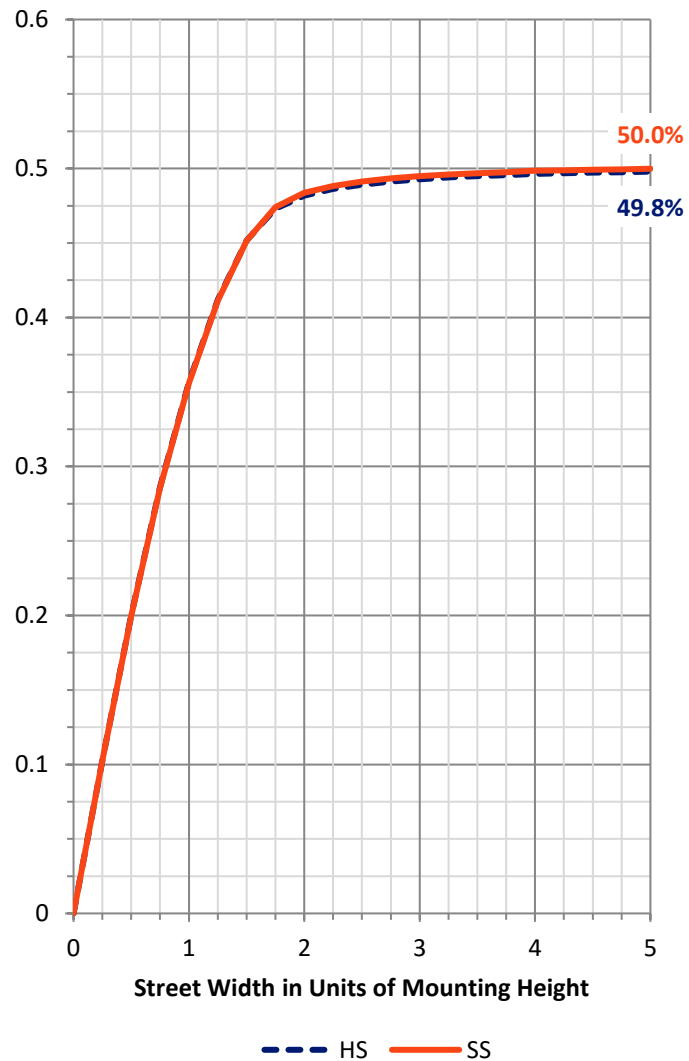
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2019.5	0.0	2019.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2019.5	0.0	2019.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4039.0	0.0	4039.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	1.9
10°-20°	224.0	5.5
20°-30°	391.2	9.7
30°-40°	640.9	15.9
40°-50°	939.8	23.3
50°-60°	1183.7	29.3
60°-70°	445.2	11.0
70°-80°	118.4	2.9
80°-90°	20.3	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°	4039.0	100.0
0°-180°	4039.0	100.0

Coefficient of Utilization



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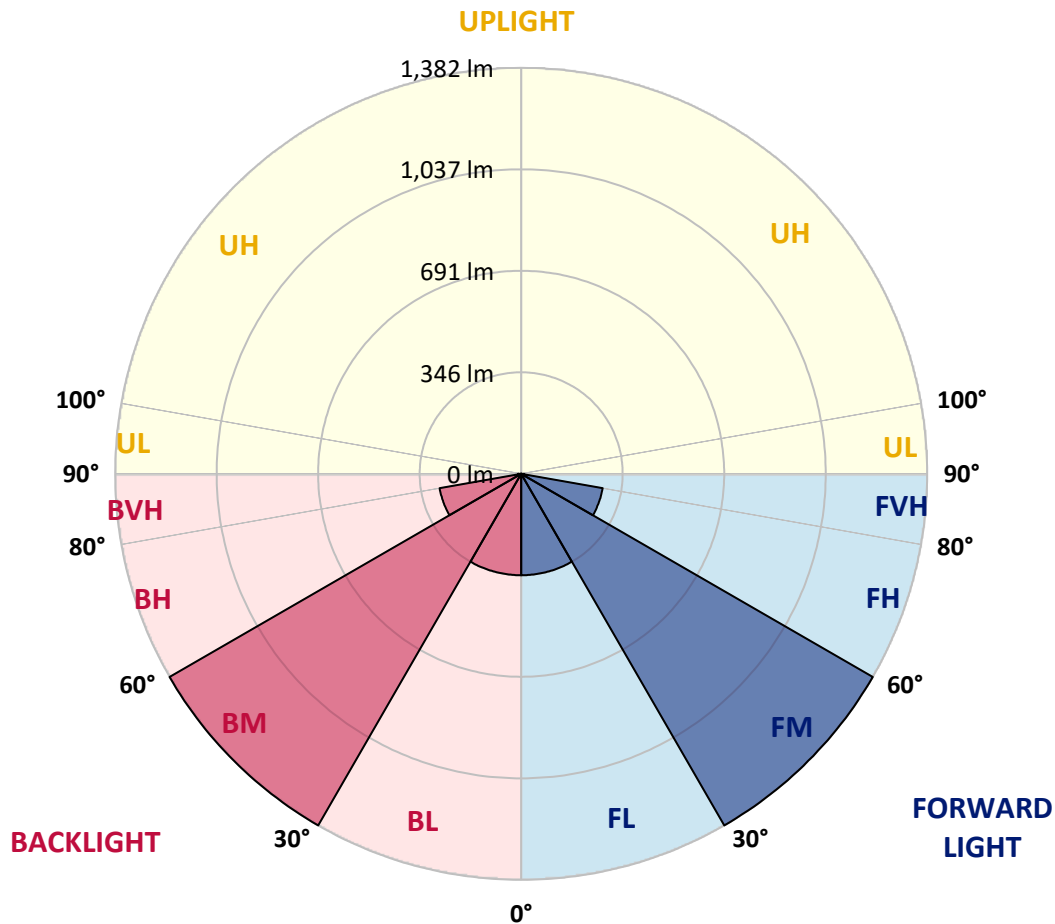
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	8.6			
FM	(30°-60°)	1382.2	34.2			
FH	(60°-80°)	281.8	7.0			G0/660
FVH	(80°-90°)	10.1	0.3			G1/100
BL	(0°-30°)	345.4	8.6	B1/500		
BM	(30°-60°)	1382.2	34.2	B2/2500		
BH	(60°-80°)	281.8	7.0	B1/500		G0/660
BVH	(80°-90°)	10.1	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°	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7	797.7
2.5°	793.7	801.7	798.2	796.2	797.7	795.2	791.2	795.7	794.7	790.7	789.2
5°	791.7	797.7	793.7	797.7	793.7	800.7	798.7	791.2	800.2	791.7	794.7
7.5°	790.2	792.2	793.2	791.2	789.7	798.2	793.7	790.2	785.2	783.7	786.2
10°	786.7	791.7	784.2	794.2	796.2	790.2	790.2	783.7	779.8	777.3	785.7
12.5°	795.7	787.2	786.2	791.2	792.7	795.2	788.2	784.7	777.3	778.3	776.8
15°	785.2	788.7	789.2	790.2	791.7	797.7	791.2	783.7	780.8	770.3	771.3
17.5°	789.2	785.7	789.2	800.7	798.7	803.1	796.2	784.7	777.8	771.8	779.8
20°	796.2	794.7	796.2	810.1	812.6	816.6	810.6	800.2	786.7	779.8	783.7
22.5°	803.6	802.6	803.6	817.1	831.5	836.5	830.5	806.1	799.2	786.2	781.7
25°	817.1	818.1	828.5	843.5	852.9	862.4	851.4	834.0	811.6	803.6	794.2
27.5°	846.9	849.4	855.4	877.3	893.7	902.2	886.7	862.9	848.9	832.5	830.0
30°	883.8	883.8	894.2	913.1	935.5	948.4	929.5	901.2	884.3	875.3	869.8
32.5°	932.5	927.1	931.0	964.4	999.2	1010.2	984.8	949.9	923.1	911.1	907.1
35°	974.3	977.8	986.8	1022.6	1061.4	1086.8	1047.0	1001.7	974.3	963.4	961.4
37.5°	1028.6	1034.5	1039.0	1088.3	1135.1	1144.5	1106.2	1069.9	1036.5	1027.6	1022.6
40°	1105.2	1101.2	1102.7	1139.0	1181.3	1187.3	1149.5	1123.6	1096.2	1090.8	1090.8
42.5°	1168.4	1163.9	1168.9	1182.3	1214.7	1210.2	1189.3	1170.4	1158.9	1153.0	1158.9
45°	1206.7	1205.7	1214.7	1224.6	1247.5	1232.6	1216.2	1219.2	1208.2	1198.3	1197.8
47.5°	1248.5	1242.0	1253.0	1267.9	1250.5	1243.5	1242.5	1249.0	1245.5	1228.1	1222.6
50°	1268.9	1266.4	1283.8	1301.3	1291.8	1275.9	1279.4	1289.8	1245.0	1221.6	1208.2
52.5°	1323.6	1324.1	1357.5	1366.9	1363.0	1339.6	1347.0	1318.7	1265.9	1233.1	1234.6
55°	1409.7	1406.3	1443.6	1471.4	1475.9	1446.1	1410.2	1370.4	1304.2	1270.9	1260.9
57°	1362.5	1370.4	1411.7	1494.3	1536.1	1500.8	1422.7	1350.0	1261.9	1221.6	1203.7
57.5°	1299.3	1312.2	1383.9	1467.0	1510.8	1507.8	1407.2	1312.2	1233.6	1170.9	1172.4
60°	951.9	954.4	1019.1	1151.0	1287.8	1290.8	1168.4	1042.5	954.9	886.7	896.2
62.5°	502.1	513.5	539.4	645.4	763.8	792.7	718.6	653.9	578.2	526.5	531.5
65°	265.7	264.2	276.7	306.5	364.7	379.7	369.7	318.5	292.1	283.6	284.1
67.5°	216.0	218.5	217.0	218.5	222.4	228.9	227.4	229.4	230.9	233.4	232.9
70°	183.1	183.1	184.1	184.6	184.6	187.6	191.1	197.6	198.0	200.5	201.5
72.5°	144.3	143.3	144.8	148.3	148.8	151.3	156.3	160.2	161.7	161.7	158.7
75°	98.0	99.0	101.0	104.0	107.0	111.5	115.4	117.9	118.9	117.4	115.9
77.5°	55.2	56.2	57.7	62.2	65.7	69.7	74.1	76.6	79.1	79.6	76.6
80°	32.8	32.8	35.3	38.8	42.8	46.8	50.8	53.7	54.7	54.7	53.2
82.5°	19.9	20.4	22.4	25.9	29.4	31.8	35.3	37.8	39.8	39.3	38.3
85°	10.4	10.4	12.4	15.4	17.9	20.4	20.4	18.9	17.9	15.4	14.4
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)