

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: P648189

Luminaire Tested: **GALN-SA1B-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648189
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-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 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: 3979.2 lumens
Efficiency: N/A
Efficacy: 90.4 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

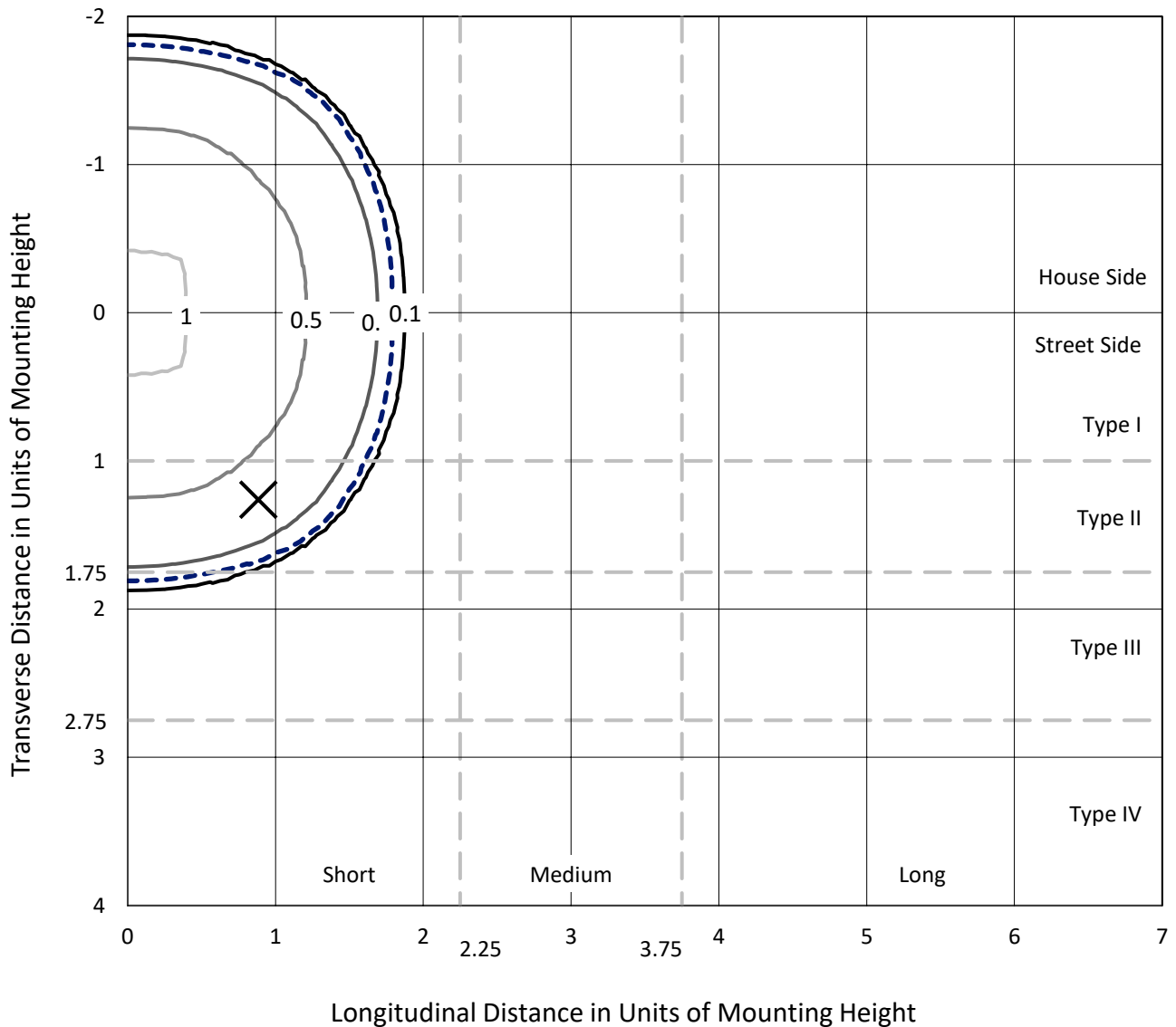
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

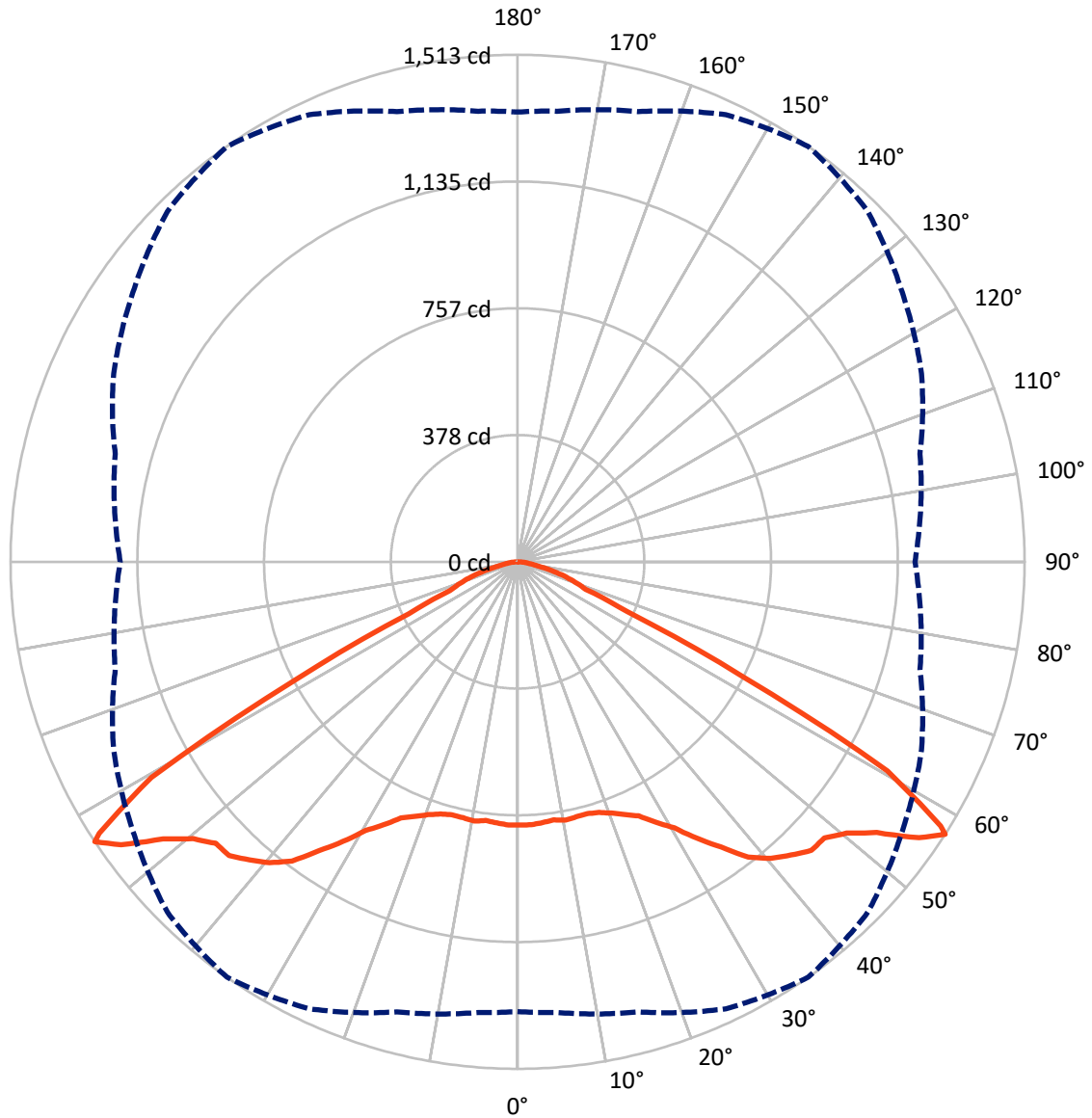
× Max cd
 - - - 1/2 Max cd



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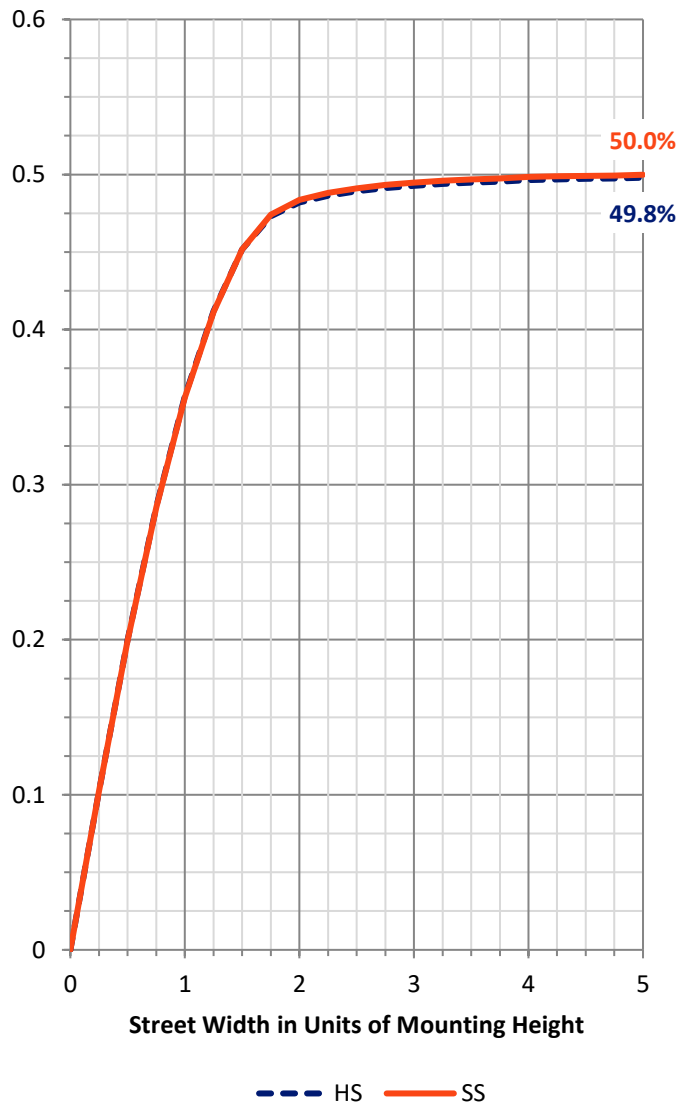
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1989.6	0.0	1989.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1989.6	0.0	1989.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3979.2	0.0	3979.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.9
10°-20°	220.7	5.5
20°-30°	385.4	9.7
30°-40°	631.4	15.9
40°-50°	925.9	23.3
50°-60°	1166.2	29.3
60°-70°	438.6	11.0
70°-80°	116.6	2.9
80°-90°	20.0	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°	3979.2	100.0
0°-180°	3979.2	100.0

Coefficient of Utilization

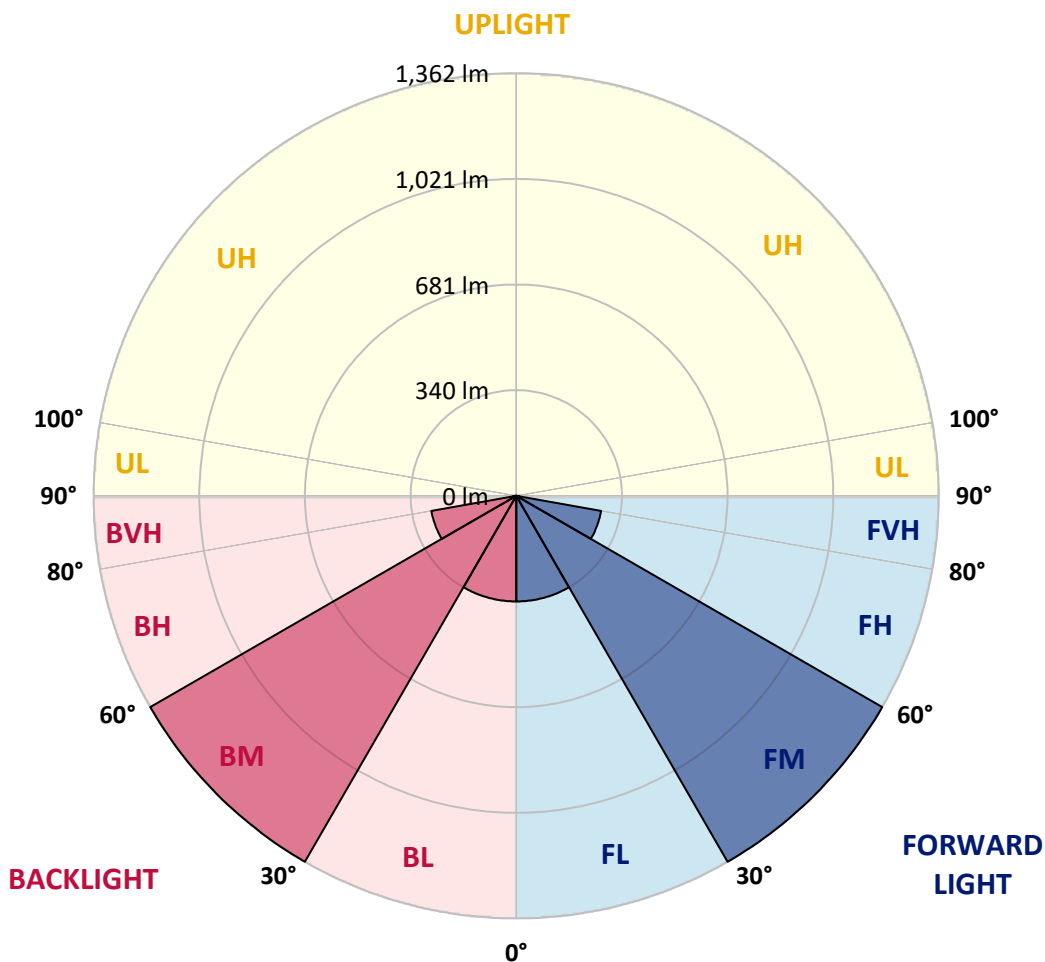


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.3	8.6			
FM (30°-60°)	1361.7	34.2			
FH (60°-80°)	277.6	7.0			G0/660
FVH (80°-90°)	10.0	0.3			G0/10
BL (0°-30°)	340.3	8.6	B1/500		
BM (30°-60°)	1361.7	34.2	B2/2500		
BH (60°-80°)	277.6	7.0	B1/500		G0/660
BVH (80°-90°)	10.0	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°	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9
2.5°	781.9	789.8	786.4	784.4	785.9	783.4	779.5	783.9	782.9	779.0	777.5
5°	779.9	785.9	781.9	785.9	781.9	788.8	786.8	779.5	788.3	779.9	782.9
7.5°	778.5	780.5	781.4	779.5	778.0	786.4	781.9	778.5	773.6	772.1	774.6
10°	775.1	779.9	772.7	782.5	784.4	778.5	778.5	772.1	768.2	765.8	774.1
12.5°	783.9	775.6	774.6	779.5	781.0	783.4	776.6	773.1	765.8	766.7	765.3
15°	773.6	777.0	777.5	778.5	779.9	785.9	779.5	772.1	769.2	758.9	759.9
17.5°	777.5	774.1	777.5	788.8	786.8	791.2	784.4	773.1	766.2	760.4	768.2
20°	784.4	782.9	784.4	798.1	800.5	804.5	798.6	788.3	775.1	768.2	772.1
22.5°	791.8	790.8	791.8	805.0	819.2	824.1	818.2	794.2	787.3	774.6	770.2
25°	805.0	805.9	816.3	831.0	840.3	849.6	838.8	821.7	799.6	791.8	782.5
27.5°	834.4	836.9	842.7	864.3	880.5	888.8	873.6	850.1	836.3	820.2	817.8
30°	870.7	870.7	881.0	899.6	921.7	934.4	915.8	887.8	871.2	862.3	856.9
32.5°	918.7	913.3	917.3	950.1	984.4	995.2	970.2	935.8	909.4	897.6	893.7
35°	959.9	963.3	972.2	1007.5	1045.7	1070.7	1031.4	986.9	959.9	949.2	947.1
37.5°	1013.4	1019.2	1023.6	1072.2	1118.3	1127.6	1089.8	1054.0	1021.2	1012.3	1007.5
40°	1088.8	1084.9	1086.4	1122.2	1163.9	1169.7	1132.5	1107.0	1080.0	1074.6	1074.6
42.5°	1151.1	1146.7	1151.6	1164.8	1196.7	1192.3	1171.7	1153.0	1141.8	1135.9	1141.8
45°	1188.8	1187.9	1196.7	1206.5	1229.1	1214.4	1198.1	1201.1	1190.3	1180.5	1180.1
47.5°	1230.0	1223.7	1234.5	1249.1	1232.0	1225.2	1224.1	1230.5	1227.1	1209.9	1204.6
50°	1250.1	1247.7	1264.9	1282.0	1272.7	1257.0	1260.4	1270.7	1226.6	1203.5	1190.3
52.5°	1304.1	1304.6	1337.4	1346.7	1342.8	1319.7	1327.1	1299.2	1247.2	1214.8	1216.3
55°	1388.9	1385.4	1422.2	1449.6	1454.0	1424.7	1389.4	1350.1	1284.9	1252.1	1242.3
57°	1342.3	1350.1	1390.8	1472.2	1513.4	1478.6	1401.6	1330.0	1243.2	1203.5	1185.9
57.5°	1280.0	1292.8	1363.4	1445.3	1488.4	1485.4	1386.4	1292.8	1215.3	1153.5	1155.0
60°	937.9	940.3	1004.0	1133.9	1268.8	1271.7	1151.1	1027.1	940.8	873.6	882.9
62.5°	494.6	505.9	531.4	635.9	752.5	781.0	707.9	644.2	569.6	518.7	523.6
65°	261.8	260.3	272.6	302.0	359.3	374.0	364.3	313.7	287.8	279.5	279.9
67.5°	212.7	215.2	213.8	215.2	219.2	225.5	224.0	226.0	227.5	229.9	229.4
70°	180.4	180.4	181.4	181.9	181.9	184.8	188.2	194.7	195.1	197.6	198.6
72.5°	142.2	141.2	142.7	146.1	146.6	149.0	153.9	157.9	159.3	159.3	156.4
75°	96.5	97.6	99.5	102.5	105.4	109.8	113.8	116.2	117.1	115.7	114.2
77.5°	54.4	55.4	56.8	61.3	64.7	68.7	73.1	75.5	78.0	78.5	75.5
80°	32.3	32.3	34.8	38.2	42.1	46.1	50.0	52.9	53.9	53.9	52.5
82.5°	19.6	20.1	22.1	25.5	28.9	31.4	34.8	37.3	39.2	38.8	37.7
85°	10.3	10.3	12.3	15.2	17.6	20.1	20.1	18.6	17.6	15.2	14.3
87.5°	3.4	3.0	3.9	3.9	3.4	3.9	3.9	4.4	4.4	4.4	4.4
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)