

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: P646703

Luminaire Tested: **GALN-SA1C-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3342.6 lumens
Efficiency: N/A
Efficacy: 58.6 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

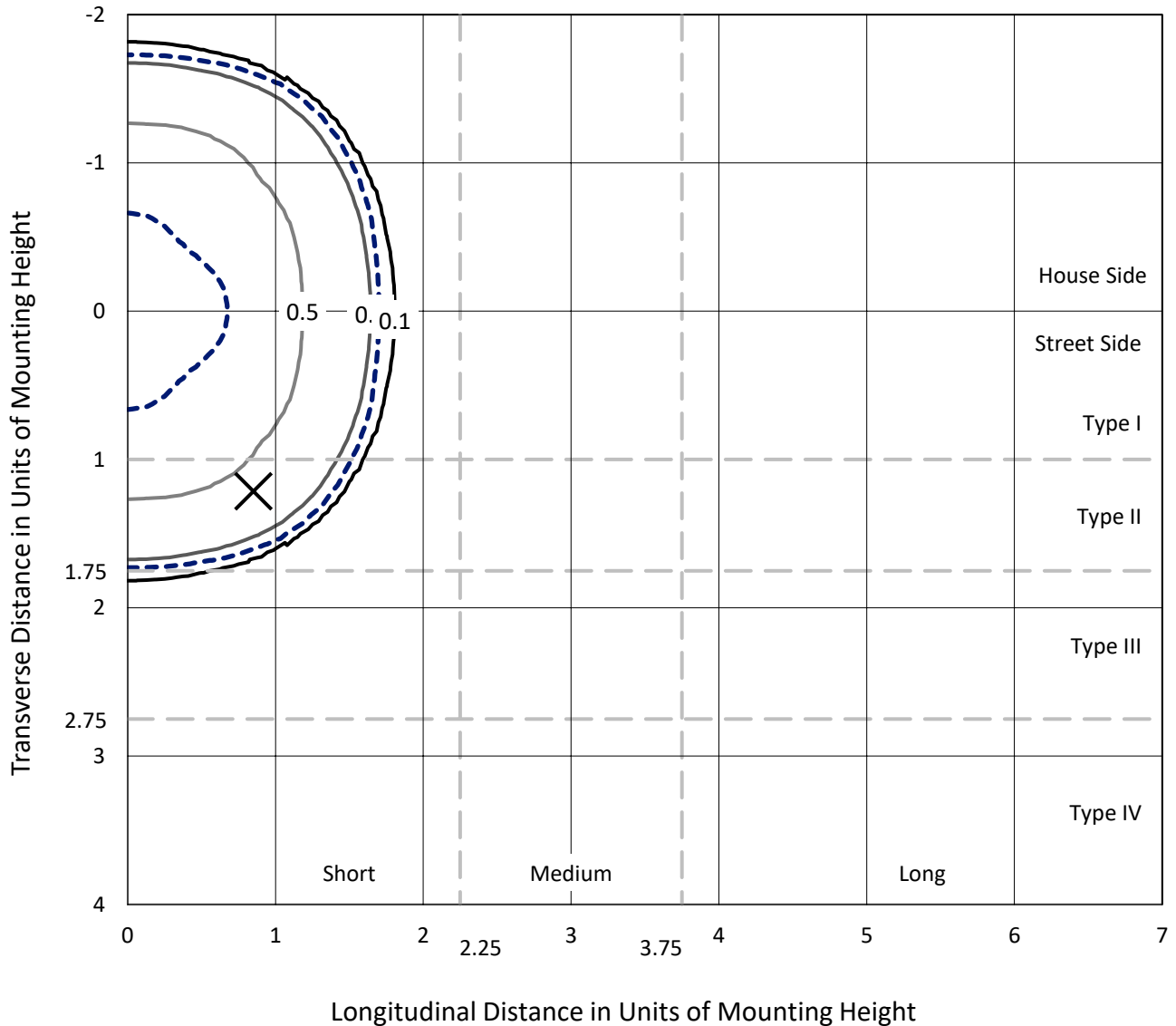
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

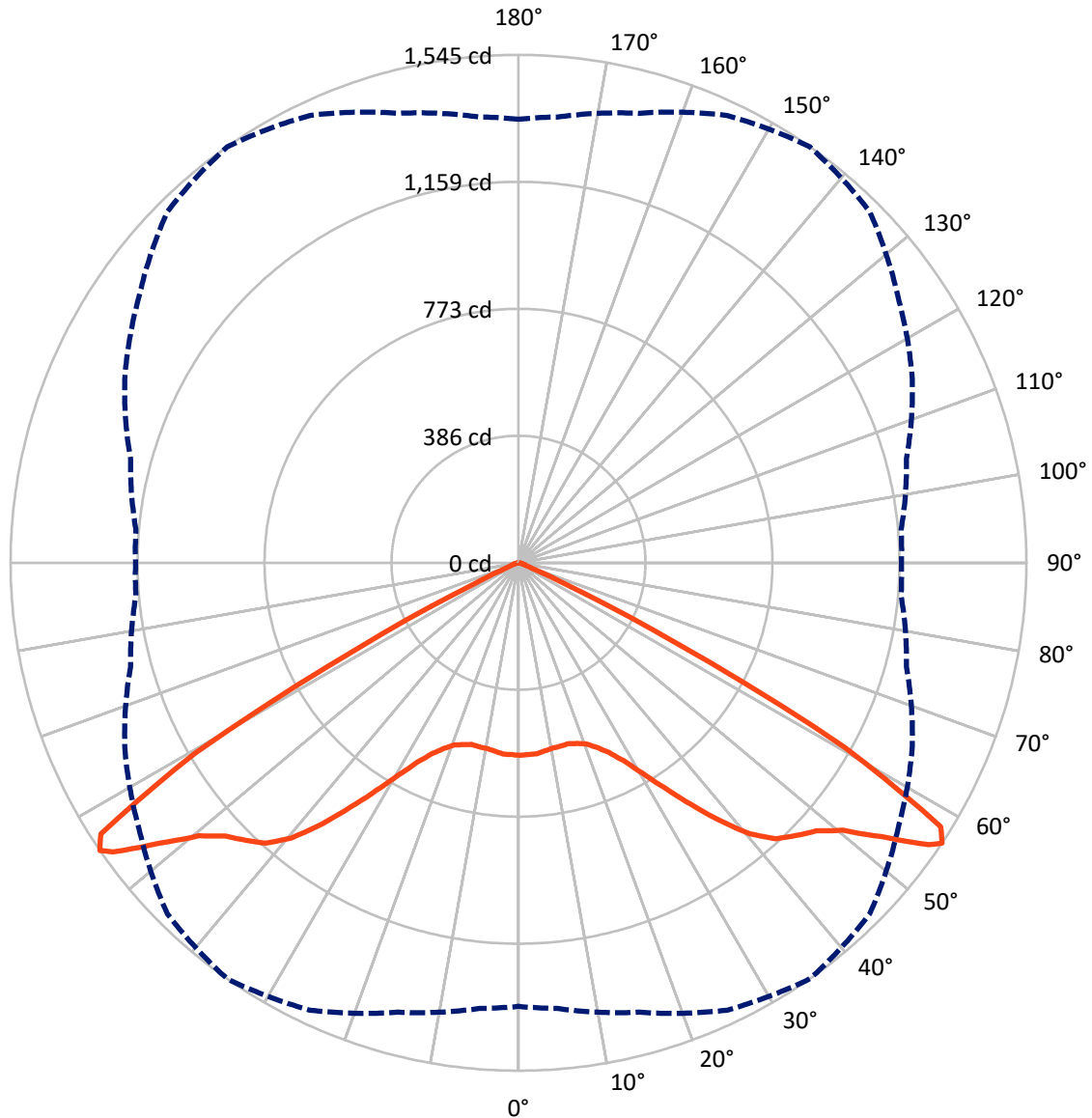
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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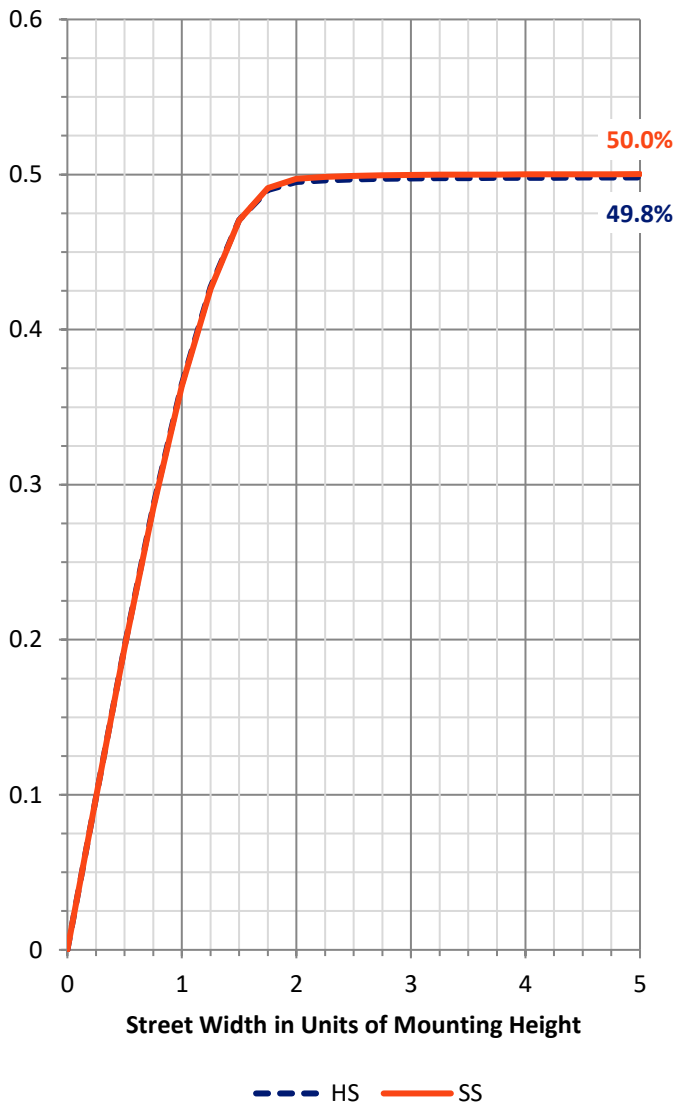
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1671.3	0.0	1671.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1671.3	0.0	1671.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3342.6	0.0	3342.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	1.6
10°-20°	160.7	4.8
20°-30°	291.0	8.7
30°-40°	539.7	16.1
40°-50°	885.8	26.5
50°-60°	1141.2	34.1
60°-70°	251.5	7.5
70°-80°	14.6	0.4
80°-90°	3.1	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°	3342.6	100.0
0°-180°	3342.6	100.0

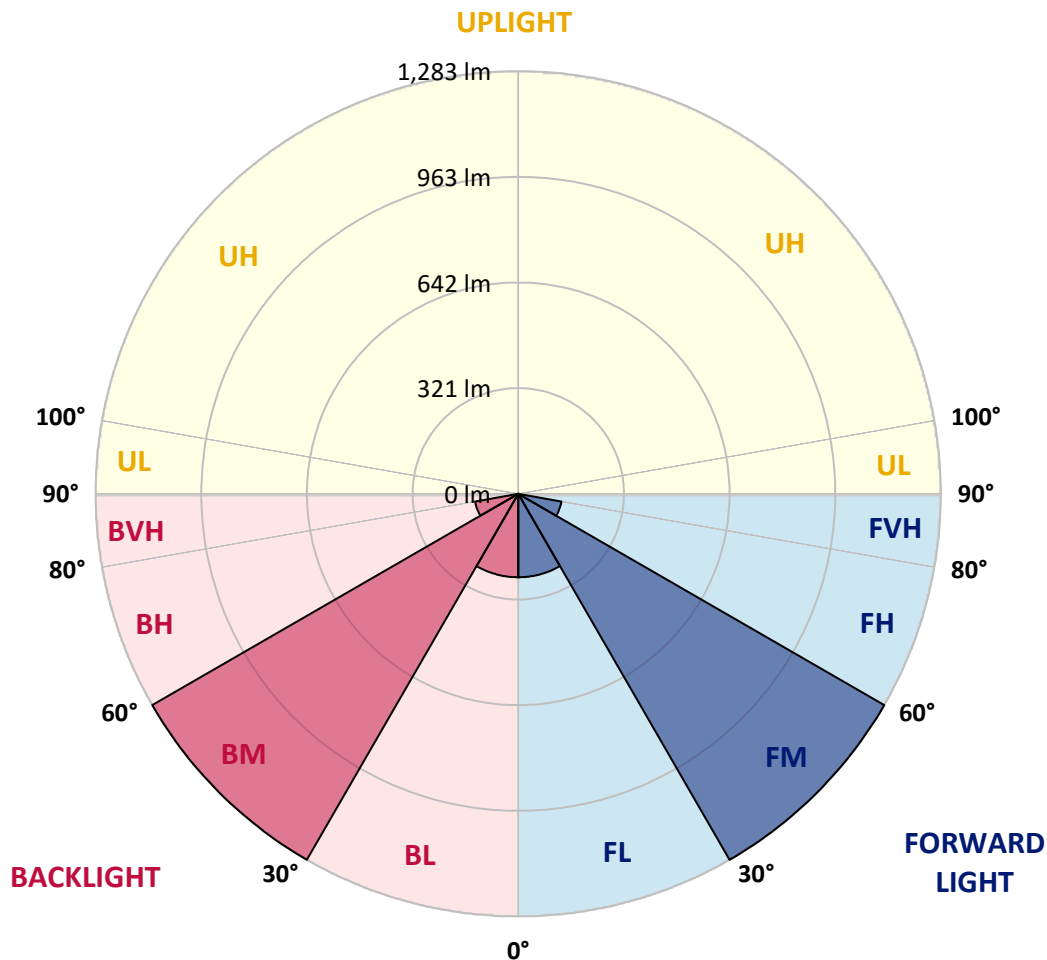


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	253.4	7.6			
FM (30°-60°)	1283.3	38.4			
FH (60°-80°)	133.1	4.0			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	253.4	7.6	B1/500		
BM (30°-60°)	1283.3	38.4	B2/2500		
BH (60°-80°)	133.1	4.0	B1/500		G0/660
BVH (80°-90°)	1.5	0.0			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°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7
2.5°	586.9	586.9	587.5	588.1	583.9	582.1	582.7	581.5	580.8	582.7	582.7
5°	585.1	585.1	583.3	583.9	583.9	578.4	578.4	579.7	579.7	576.0	574.8
7.5°	580.3	579.0	576.6	579.7	577.9	577.9	573.5	570.6	569.3	571.7	569.3
10°	569.9	570.6	573.0	574.2	573.0	576.6	569.3	565.1	560.9	559.1	559.1
12.5°	565.1	568.8	565.1	568.1	572.4	569.3	565.1	562.1	556.0	553.6	553.6
15°	564.5	566.9	568.1	572.4	570.6	571.7	563.3	559.7	550.6	546.3	544.5
17.5°	563.9	566.9	568.8	576.6	577.9	578.4	571.7	560.9	553.0	548.7	544.5
20°	570.6	571.7	575.4	583.3	588.1	596.6	584.5	573.0	556.0	551.2	549.4
22.5°	579.0	585.1	588.7	597.2	610.0	617.2	601.4	586.9	569.3	563.3	556.0
25°	606.3	605.1	611.1	628.7	639.0	644.5	631.7	610.5	587.5	580.3	581.5
27.5°	640.2	641.4	646.8	666.3	681.4	689.9	674.7	646.8	624.4	612.4	611.1
30°	684.4	683.2	689.3	715.3	742.6	755.3	728.7	695.9	674.2	658.3	662.0
32.5°	731.1	731.6	748.6	772.3	816.4	841.3	798.3	758.3	725.6	714.7	709.2
35°	800.1	803.1	816.4	852.8	901.9	934.0	886.7	838.9	801.3	781.4	783.8
37.5°	885.5	882.5	904.9	944.3	995.7	1019.4	979.4	924.9	886.7	873.4	881.9
40°	976.4	979.4	990.9	1026.7	1084.2	1100.0	1040.6	1010.9	977.6	970.9	981.2
42.5°	1067.2	1065.4	1073.9	1106.0	1147.8	1136.8	1101.8	1084.2	1060.6	1047.3	1061.2
45°	1133.9	1130.8	1146.5	1168.4	1183.5	1162.9	1147.2	1141.1	1129.0	1114.4	1127.2
47.5°	1198.7	1196.3	1211.4	1217.4	1218.7	1191.4	1194.4	1205.4	1175.0	1144.7	1159.3
50°	1253.7	1249.5	1268.3	1281.6	1278.6	1235.0	1245.9	1235.0	1187.7	1152.0	1146.5
52.5°	1345.8	1347.6	1367.7	1391.9	1384.6	1348.2	1332.5	1282.9	1222.3	1190.2	1171.4
55°	1404.0	1394.9	1429.4	1506.3	1514.8	1477.3	1407.6	1334.3	1243.5	1204.1	1199.2
56°	1349.5	1361.0	1415.5	1501.5	1545.1	1510.6	1409.4	1321.6	1221.6	1168.4	1164.7
57.5°	1210.8	1204.7	1278.6	1396.1	1514.8	1500.3	1359.8	1230.7	1114.4	1054.5	1047.3
60°	753.5	771.0	835.9	981.2	1139.9	1147.2	1007.9	897.0	761.3	708.1	720.8
62.5°	295.0	279.8	320.4	428.8	537.8	562.1	509.4	423.4	347.7	295.0	291.4
65°	68.4	66.6	75.1	103.6	144.8	167.8	159.3	114.5	84.2	79.9	73.9
67.5°	38.8	38.8	37.0	37.0	40.6	43.0	41.2	40.6	42.4	44.2	43.6
70°	27.2	26.6	25.4	26.1	24.8	24.8	26.6	29.7	32.1	32.1	32.7
72.5°	16.4	16.4	16.4	18.2	18.2	18.2	20.0	22.4	23.0	22.4	21.8
75°	7.3	7.3	8.5	10.3	11.5	12.1	13.9	15.1	16.4	15.1	13.9
77.5°	1.8	1.8	3.1	4.2	5.5	6.7	9.1	10.9	11.5	10.9	9.1
80°	0.6	0.6	1.2	3.1	5.5	6.7	9.1	9.7	10.3	9.1	7.3
82.5°	0.6	0.6	1.2	3.1	4.2	5.5	7.3	8.5	9.1	7.9	7.3
85°	0.0	0.6	1.2	2.4	3.6	4.9	4.9	3.6	3.1	1.8	2.4
87.5°	0.0	0.0	0.6	0.6	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)