

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: P526661

Luminaire Tested: **GALN-SA1C-827-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526661
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-827-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 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: 3139 lumens
Efficiency: N/A
Efficacy: 55.1 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

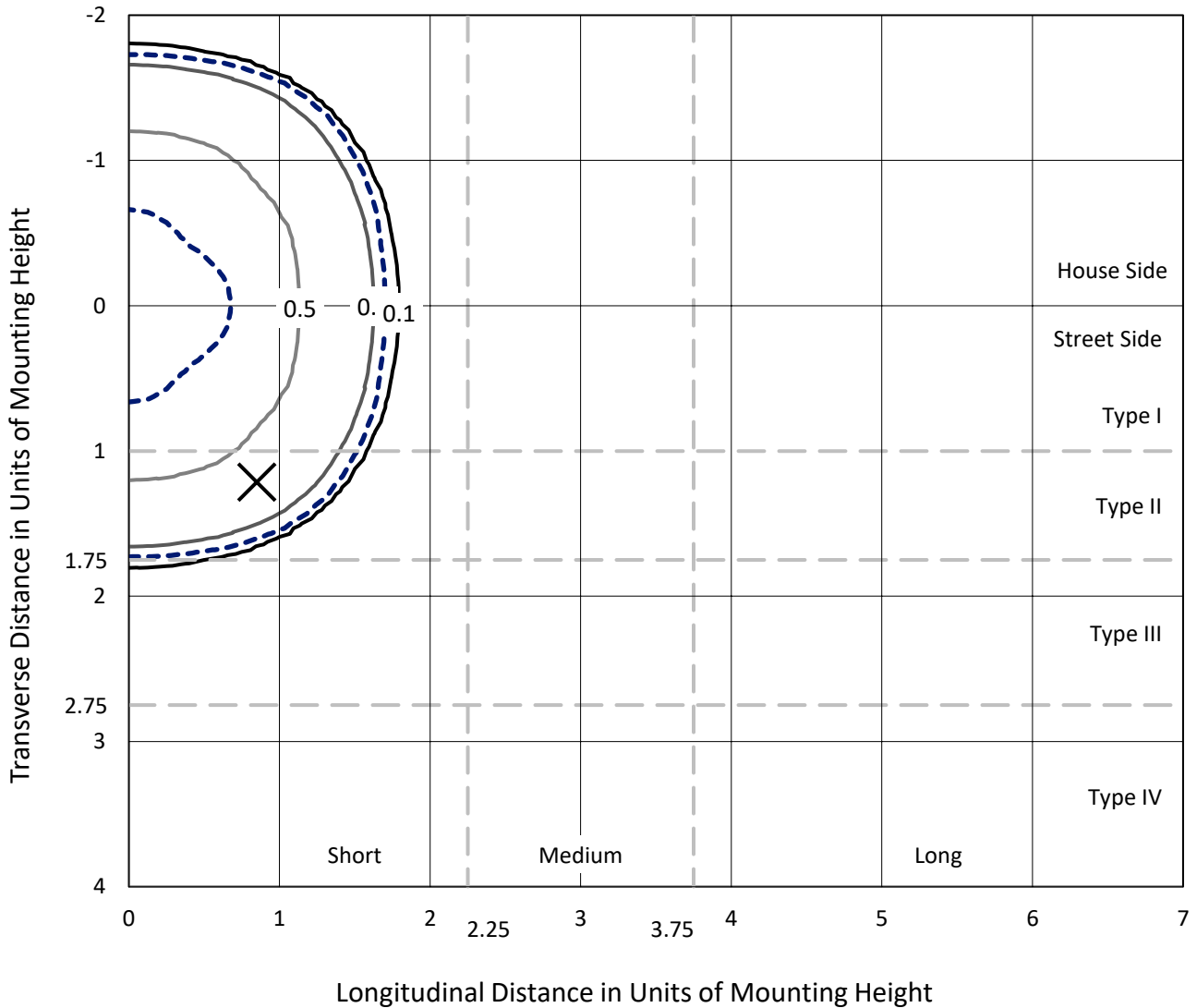
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

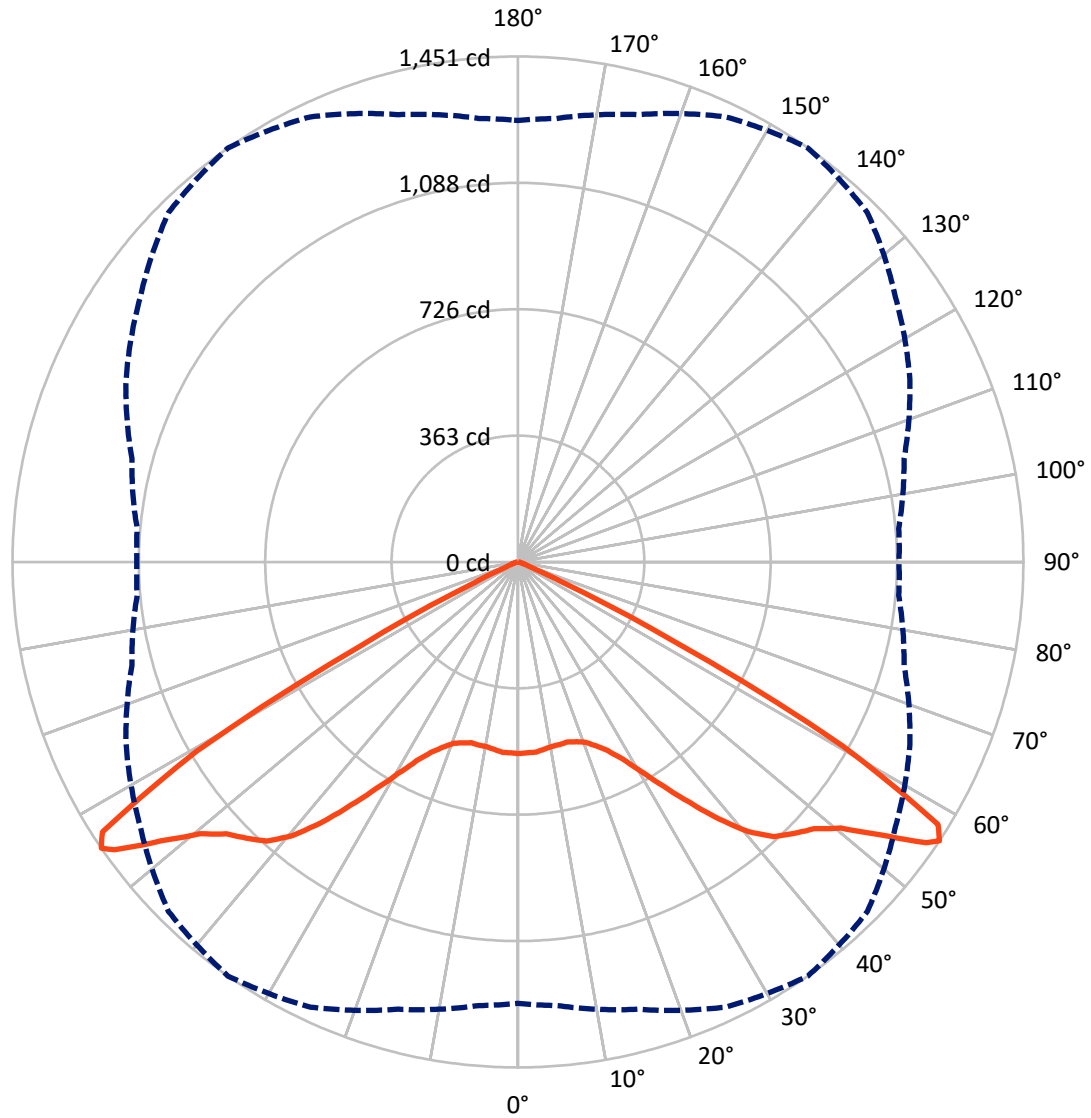
× Max cd
 - - - 1/2 Max cd



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	1569.5	0.0	1569.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1569.5	0.0	1569.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3139.0	0.0	3139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.6
10°-20°	150.9	4.8
20°-30°	273.3	8.7
30°-40°	506.8	16.1
40°-50°	831.9	26.5
50°-60°	1071.7	34.1
60°-70°	236.2	7.5
70°-80°	13.7	0.4
80°-90°	2.9	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°	3139.0	100.0
0°-180°	3139.0	100.0

Coefficient of Utilization

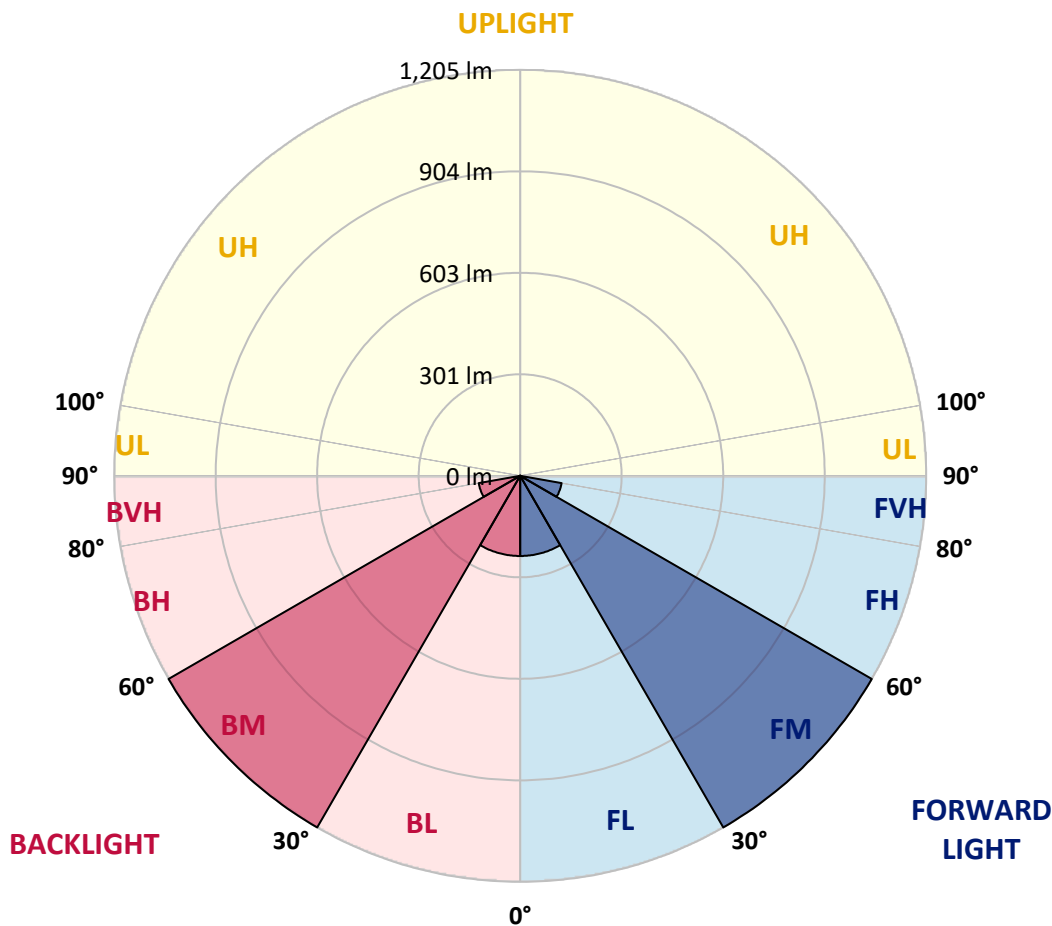


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	238.0	7.6			
FM (30°-60°)	1205.2	38.4			
FH (60°-80°)	124.9	4.0			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	238.0	7.6	B1/500		
BM (30°-60°)	1205.2	38.4	B2/2500		
BH (60°-80°)	124.9	4.0	B1/500		G0/660
BVH (80°-90°)	1.4	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°	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0
2.5°	551.2	551.2	551.7	552.3	548.3	546.6	547.2	546.0	545.5	547.2	547.2
5°	549.5	549.5	547.7	548.3	548.3	543.2	543.2	544.3	544.3	540.9	539.8
7.5°	544.9	543.8	541.5	544.3	542.6	542.6	538.6	535.8	534.7	536.9	534.7
10°	535.2	535.8	538.1	539.2	538.1	541.5	534.7	530.7	526.7	525.0	525.0
12.5°	530.7	534.1	530.7	533.5	537.5	534.7	530.7	527.8	522.1	519.9	519.9
15°	530.1	532.4	533.5	537.5	535.8	536.9	529.0	525.6	517.0	513.0	511.3
17.5°	529.5	532.4	534.1	541.5	542.6	543.2	536.9	526.7	519.3	515.3	511.3
20°	535.8	536.9	540.4	547.7	552.3	560.3	548.9	538.1	522.1	517.6	515.9
22.5°	543.8	549.5	552.9	560.8	572.8	579.6	564.8	551.2	534.7	529.0	522.1
25°	569.4	568.2	573.9	590.4	600.1	605.2	593.2	573.3	551.7	544.9	546.0
27.5°	601.2	602.3	607.5	625.7	639.9	647.9	633.6	607.5	586.4	575.0	573.9
30°	642.7	641.6	647.3	671.7	697.3	709.3	684.3	653.5	633.1	618.3	621.7
32.5°	686.5	687.1	703.0	725.2	766.7	790.0	749.7	712.1	681.4	671.2	666.1
35°	751.4	754.2	766.7	800.9	846.9	877.1	832.7	787.8	752.5	733.7	736.0
37.5°	831.6	828.7	849.8	886.7	935.1	957.3	919.7	868.5	832.7	820.2	828.2
40°	916.9	919.7	930.5	964.1	1018.1	1032.9	977.2	949.3	918.0	911.8	921.4
42.5°	1002.2	1000.5	1008.5	1038.6	1077.9	1067.6	1034.6	1018.1	996.0	983.4	996.5
45°	1064.8	1061.9	1076.7	1097.2	1111.4	1092.1	1077.3	1071.6	1060.2	1046.6	1058.5
47.5°	1125.6	1123.4	1137.6	1143.3	1144.4	1118.8	1121.7	1131.9	1103.5	1075.0	1088.7
50°	1177.4	1173.4	1191.0	1203.6	1200.7	1159.8	1170.0	1159.8	1115.4	1081.8	1076.7
52.5°	1263.9	1265.6	1284.3	1307.1	1300.3	1266.1	1251.3	1204.7	1147.8	1117.7	1100.0
55°	1318.5	1309.9	1342.3	1414.6	1422.5	1387.3	1321.9	1253.0	1167.7	1130.8	1126.2
56°	1267.3	1278.1	1329.3	1410.0	1451.0	1418.6	1323.6	1241.1	1147.3	1097.2	1093.8
57.5°	1137.0	1131.3	1200.7	1311.1	1422.5	1408.9	1276.9	1155.8	1046.6	990.3	983.4
60°	707.6	724.1	784.9	921.4	1070.5	1077.3	946.5	842.4	715.0	664.9	676.9
62.5°	277.0	262.8	300.9	402.7	505.1	527.8	478.4	397.6	326.5	277.0	273.6
65°	64.3	62.6	70.5	97.3	135.9	157.6	149.6	107.5	79.1	75.1	69.4
67.5°	36.4	36.4	34.7	34.7	38.1	40.4	38.7	38.1	39.8	41.5	41.0
70°	25.6	25.0	23.9	24.5	23.3	23.3	25.0	27.9	30.1	30.1	30.7
72.5°	15.4	15.4	15.4	17.1	17.1	17.1	18.8	21.0	21.6	21.0	20.5
75°	6.8	6.8	8.0	9.7	10.8	11.4	13.1	14.2	15.4	14.2	13.1
77.5°	1.7	1.7	2.8	4.0	5.1	6.3	8.5	10.2	10.8	10.2	8.5
80°	0.6	0.6	1.1	2.8	5.1	6.3	8.5	9.1	9.7	8.5	6.8
82.5°	0.6	0.6	1.1	2.8	4.0	5.1	6.8	8.0	8.5	7.4	6.8
85°	0.0	0.6	1.1	2.3	3.4	4.6	4.6	3.4	2.8	1.7	2.3
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)