

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: P526091

Luminaire Tested: **GALN-SA1A-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2961 lumens
Efficiency: N/A
Efficacy: 89.7 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

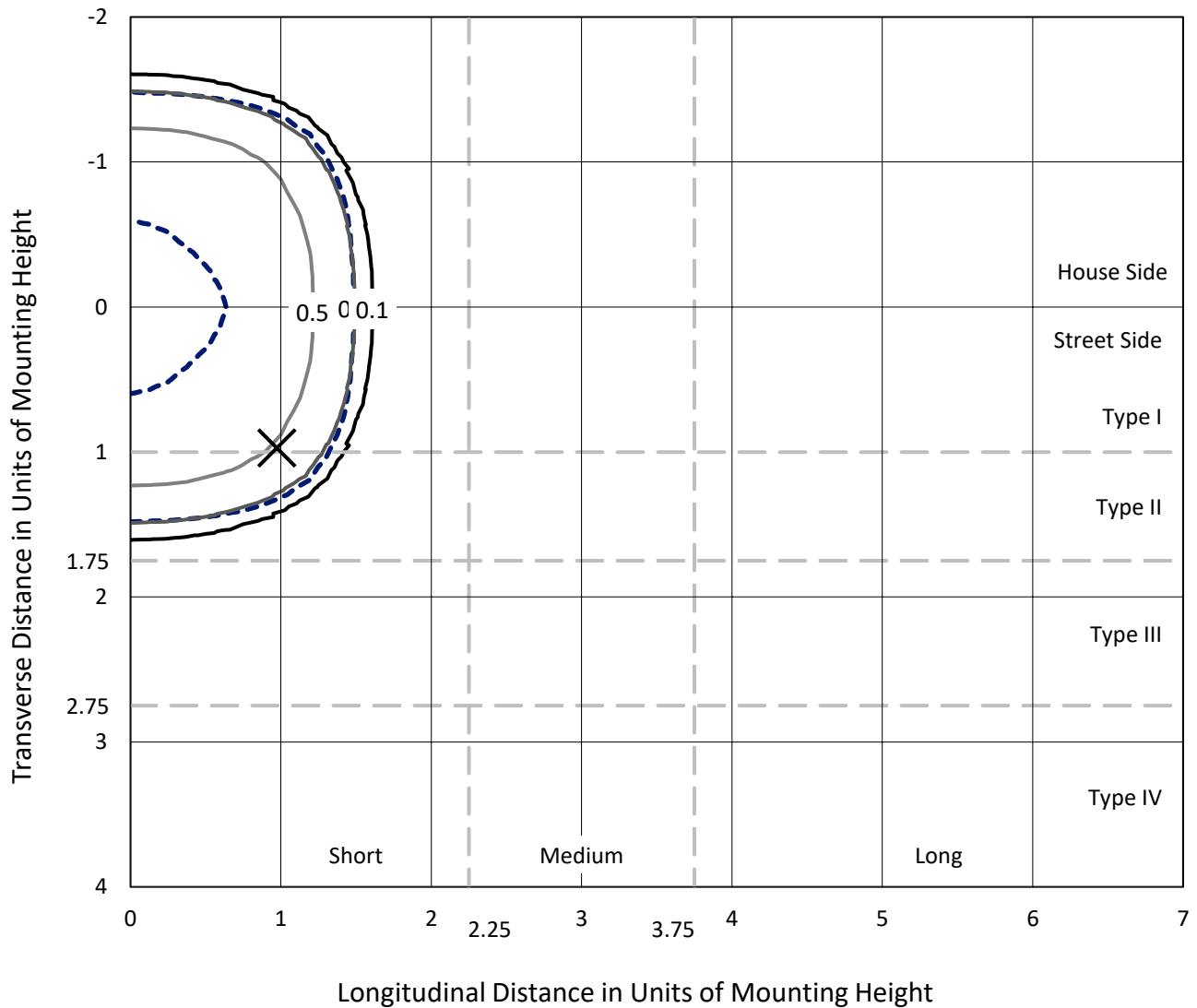
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

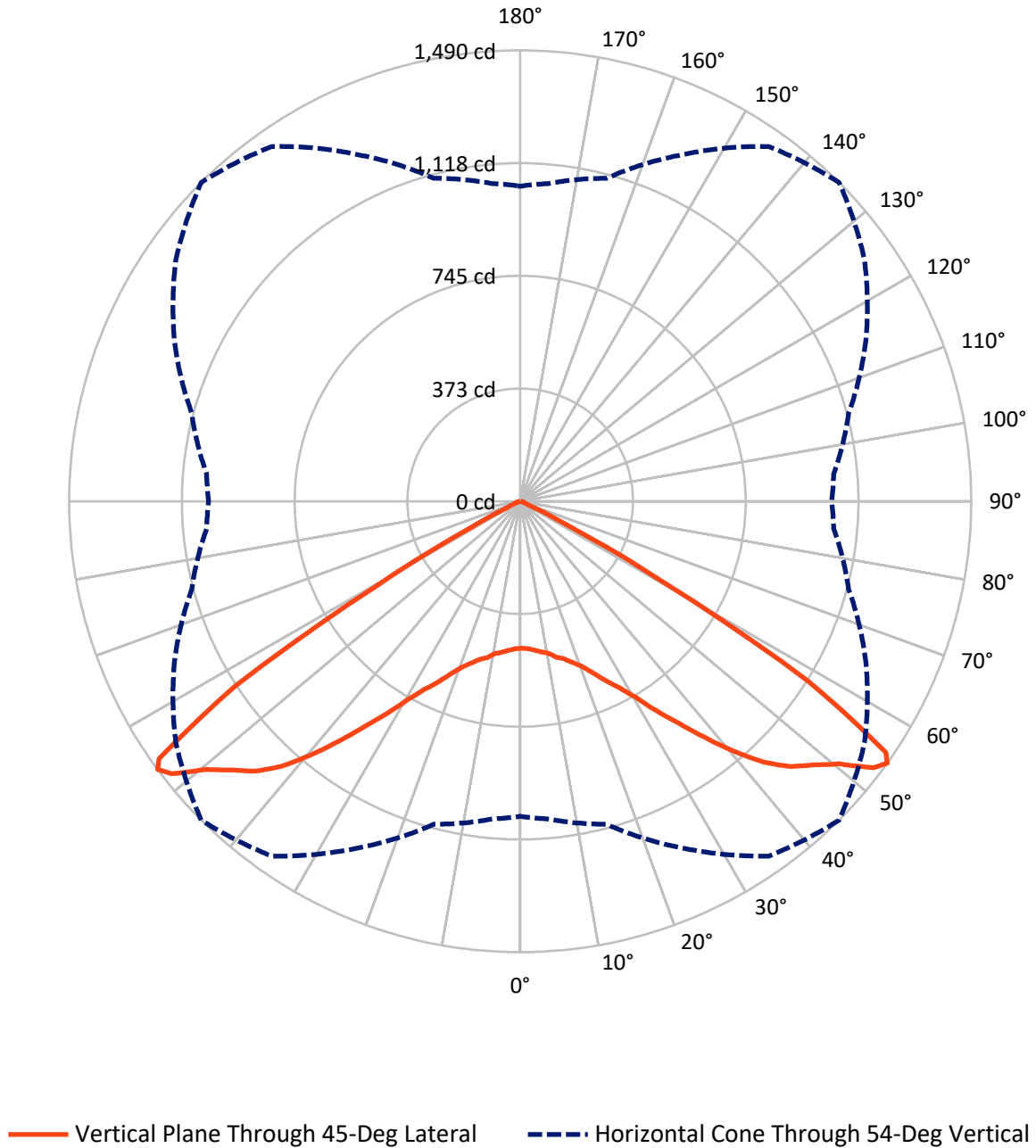
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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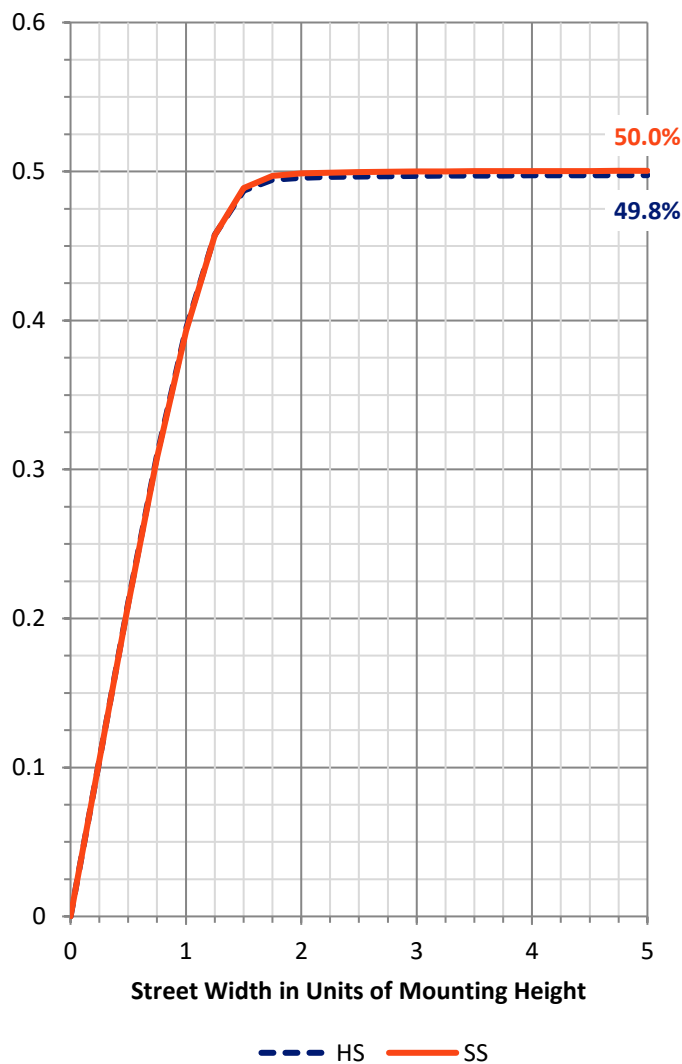
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1480.5	0.0	1480.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1480.5	0.0	1480.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2961.0	0.0	2961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.6
10°-20°	153.9	5.2
20°-30°	301.6	10.2
30°-40°	542.4	18.3
40°-50°	928.4	31.4
50°-60°	898.3	30.3
60°-70°	76.9	2.6
70°-80°	9.1	0.3
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°	2961.0	100.0
0°-180°	2961.0	100.0

Coefficient of Utilization



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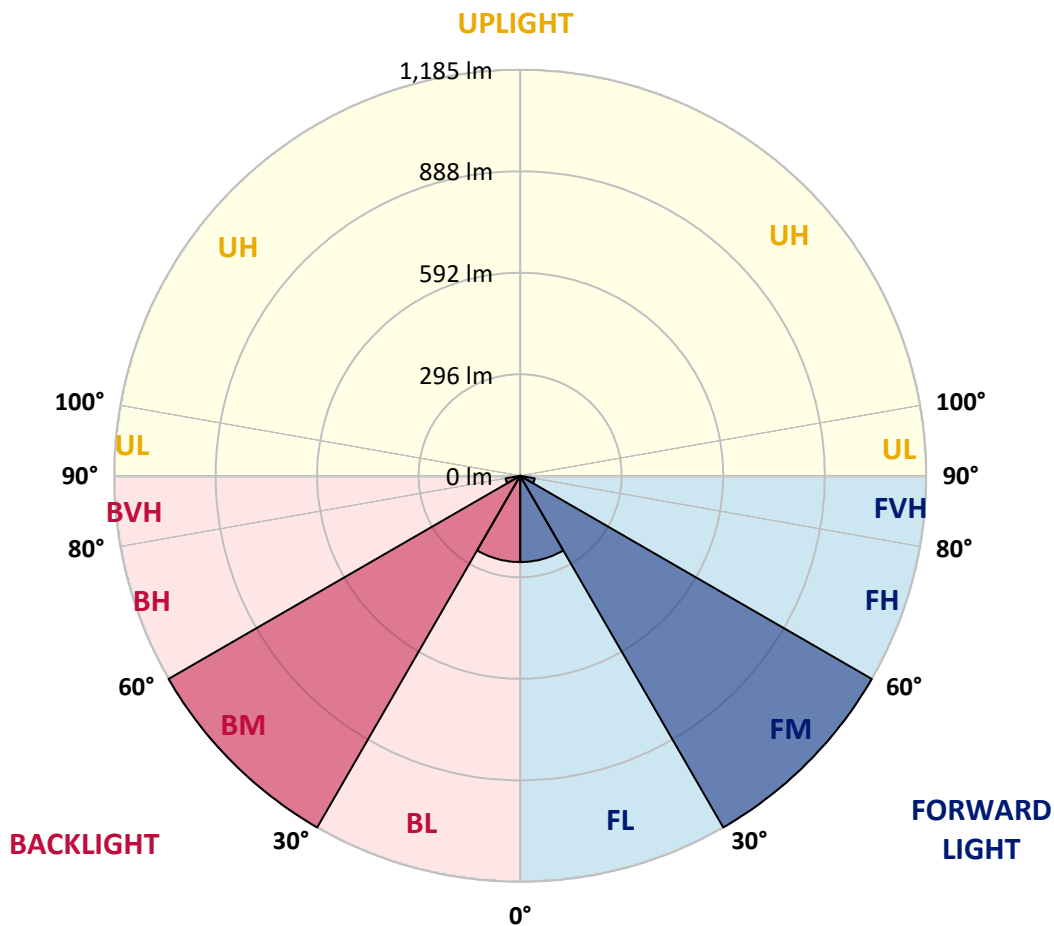
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.5	8.5			
FM (30°-60°)	1184.6	40.0			
FH (60°-80°)	43.0	1.5			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	251.5	8.5	B1/500		
BM (30°-60°)	1184.6	40.0	B2/2500		
BH (60°-80°)	43.0	1.5	B0/110		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°	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5
2.5°	487.9	490.7	488.8	490.2	490.2	487.9	489.3	483.6	487.4	484.6	485.0
5°	495.4	494.9	494.9	495.4	493.5	494.4	492.5	490.7	489.3	487.4	493.0
7.5°	504.7	504.7	501.5	502.4	501.5	502.9	499.1	495.4	494.0	492.5	491.6
10°	513.7	512.7	511.3	515.5	512.3	510.4	508.5	506.2	501.0	499.1	497.2
12.5°	526.8	526.3	524.4	528.7	526.8	528.7	521.6	515.5	514.6	508.5	511.8
15°	542.3	546.5	543.2	543.2	542.3	539.9	537.1	534.3	525.9	523.5	524.0
17.5°	562.4	561.0	561.5	561.5	566.2	560.1	554.5	547.4	543.2	541.8	537.1
20°	581.7	583.6	583.1	586.4	589.2	582.6	576.5	575.6	563.9	565.7	559.2
22.5°	615.5	614.0	616.4	618.7	616.9	615.9	610.3	603.3	592.9	588.2	587.3
25°	651.1	648.8	644.5	650.2	653.0	657.2	646.4	642.7	626.7	619.7	620.1
27.5°	681.6	684.9	689.6	691.9	698.9	697.5	690.0	677.8	665.6	657.7	652.5
30°	723.3	725.2	733.2	736.5	748.7	752.0	740.2	726.2	704.6	694.3	688.2
32.5°	761.8	774.9	774.5	790.9	810.6	824.2	803.1	781.5	759.9	747.7	736.9
35°	824.2	821.9	835.5	852.8	884.7	900.2	877.2	852.3	819.5	799.8	791.4
37.5°	882.4	883.3	901.6	929.3	965.9	989.8	969.6	928.8	895.0	869.7	858.0
40°	966.8	968.7	987.4	1018.9	1060.2	1086.0	1062.5	1021.2	976.2	956.5	956.5
42.5°	1065.8	1073.8	1086.0	1113.2	1150.2	1178.8	1157.7	1125.4	1079.9	1054.5	1058.3
45°	1167.6	1171.3	1179.3	1219.6	1237.0	1251.1	1231.4	1216.4	1185.9	1154.9	1149.7
47.5°	1262.8	1264.2	1287.7	1300.3	1313.9	1302.2	1314.9	1295.2	1260.9	1230.9	1224.8
50°	1305.0	1302.7	1336.0	1374.4	1384.8	1364.1	1353.3	1340.2	1288.1	1252.0	1236.1
52.5°	1182.1	1195.7	1257.6	1364.6	1445.3	1462.6	1399.8	1339.3	1242.2	1171.8	1161.0
54°	1041.4	1054.1	1105.2	1263.7	1431.7	1490.3	1389.0	1260.5	1123.5	1040.0	1029.2
55°	902.1	888.0	980.9	1142.7	1367.9	1465.9	1346.3	1158.7	1002.0	925.5	910.5
57.5°	488.3	490.7	569.0	721.9	961.2	1123.9	992.6	783.9	592.0	506.2	498.6
60°	154.8	158.6	192.8	291.8	459.2	548.4	470.0	314.8	217.7	174.5	167.5
62.5°	48.3	50.2	54.9	81.6	125.7	179.7	140.7	84.4	62.9	57.7	58.6
65°	29.6	29.6	30.0	31.9	37.5	43.6	42.2	37.1	35.7	34.7	34.2
67.5°	19.2	18.8	19.7	21.1	22.0	22.5	23.9	25.3	24.9	23.9	23.9
70°	11.7	11.3	12.2	14.1	14.5	15.5	16.9	18.8	18.3	17.4	17.8
72.5°	6.6	6.6	7.0	8.4	9.9	10.8	12.2	13.6	14.1	13.6	13.6
75°	2.3	2.8	3.8	5.2	6.1	7.5	8.9	10.3	11.7	10.8	10.3
77.5°	0.9	0.9	1.9	3.3	4.7	6.1	8.4	9.9	10.8	9.9	8.9
80°	0.5	0.5	1.4	2.8	4.2	5.6	7.0	8.4	8.9	8.0	7.0
82.5°	0.5	0.5	1.4	2.8	4.2	5.2	7.5	8.4	9.4	8.4	7.0
85°	0.0	0.5	1.4	2.8	3.8	4.2	4.2	2.8	2.3	1.4	1.4
87.5°	0.0	0.0	0.5	0.0	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)