

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: P526279

Luminaire Tested: **GALN-SA1B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3112 lumens
Efficiency: N/A
Efficacy: 70.7 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

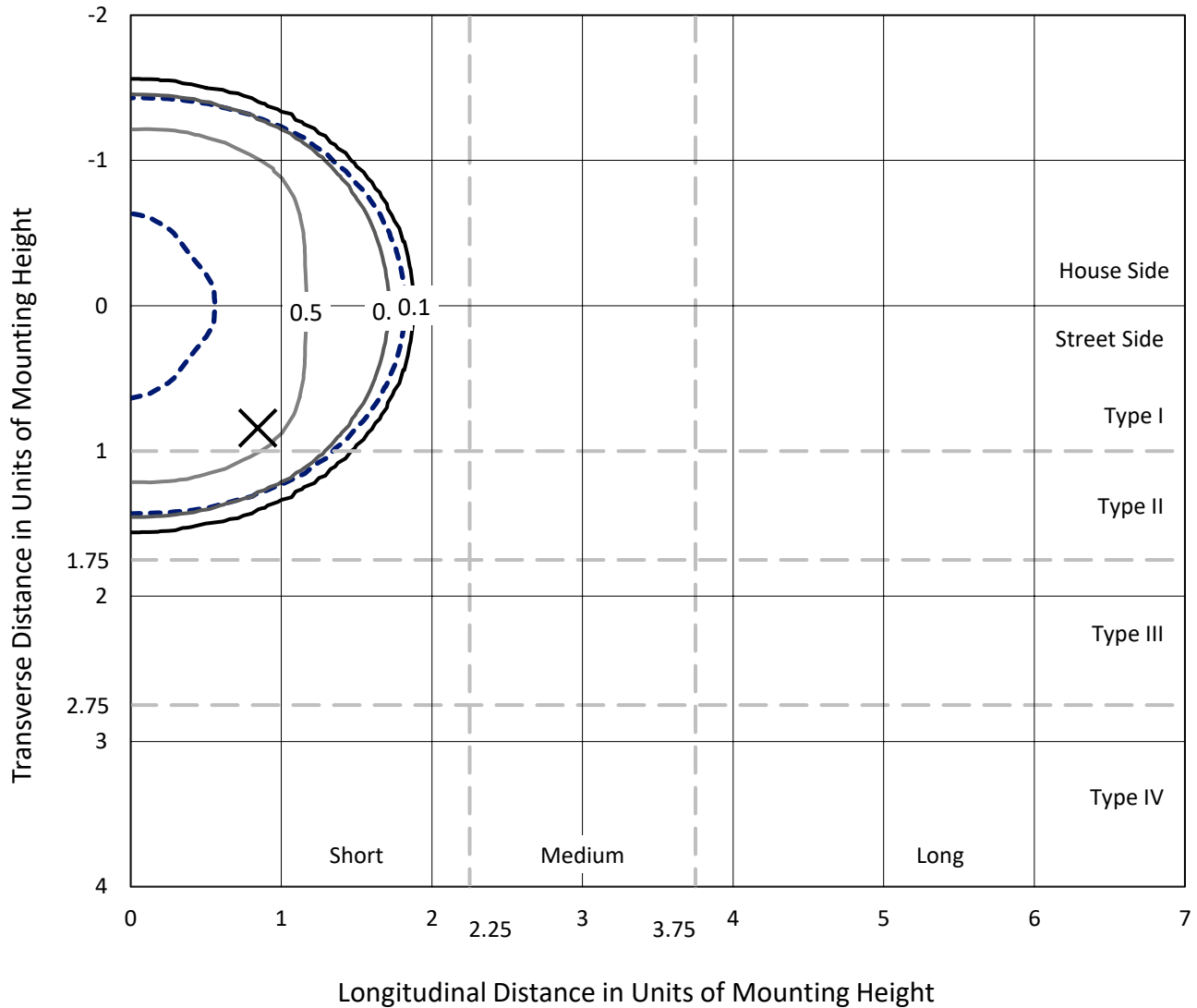
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

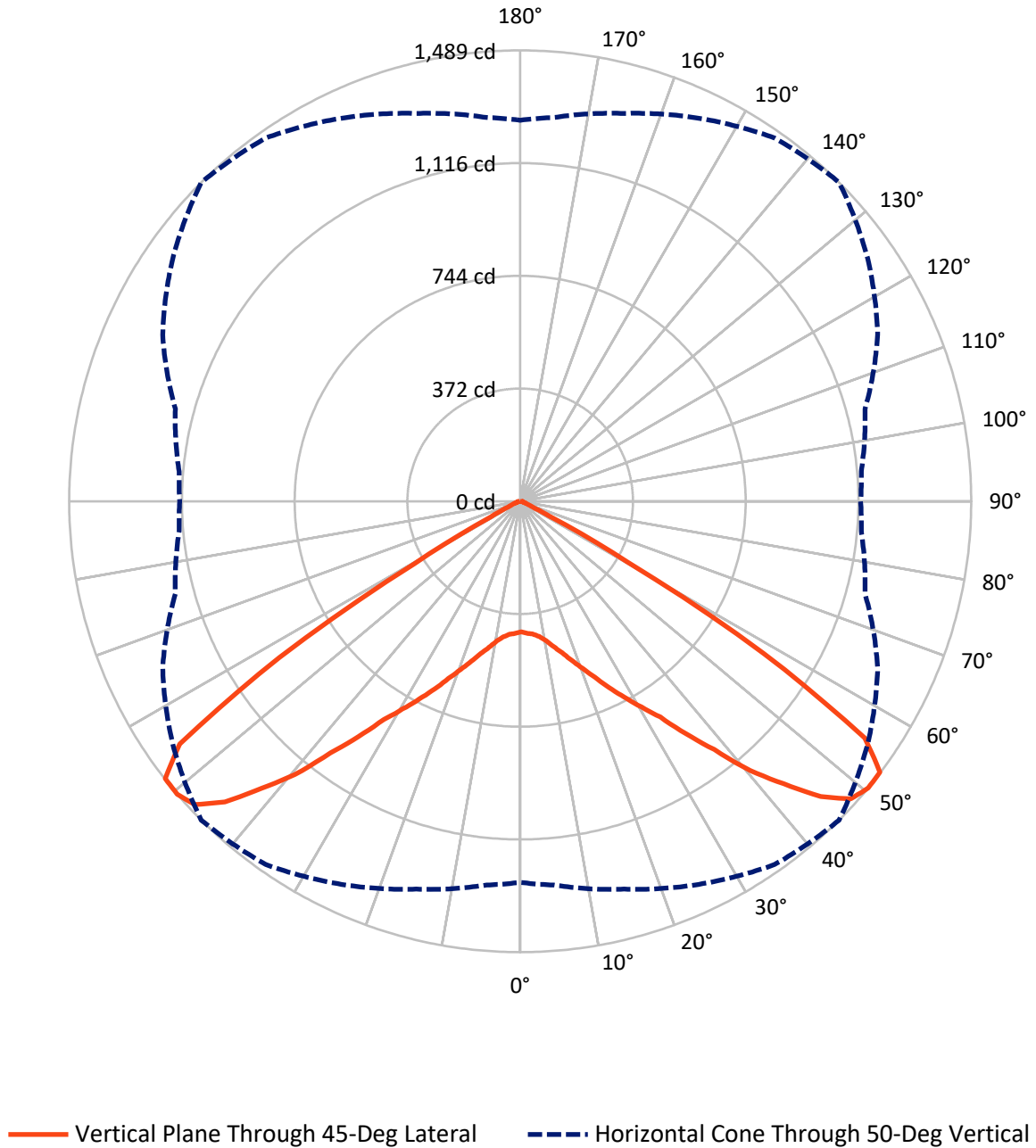
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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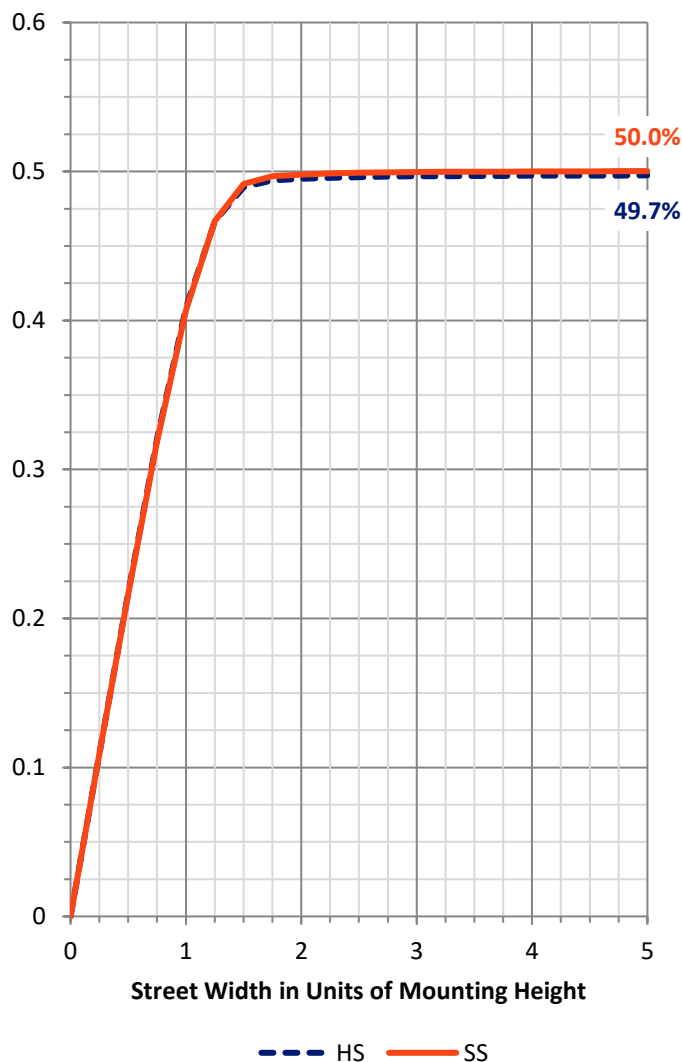
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1556.0	0.0	1556.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1556.0	0.0	1556.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3112.0	0.0	3112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.4
10°-20°	147.9	4.8
20°-30°	302.1	9.7
30°-40°	576.2	18.5
40°-50°	971.0	31.2
50°-60°	926.0	29.8
60°-70°	129.3	4.2
70°-80°	12.4	0.4
80°-90°	4.3	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°	3112.0	100.0
0°-180°	3112.0	100.0

Coefficient of Utilization



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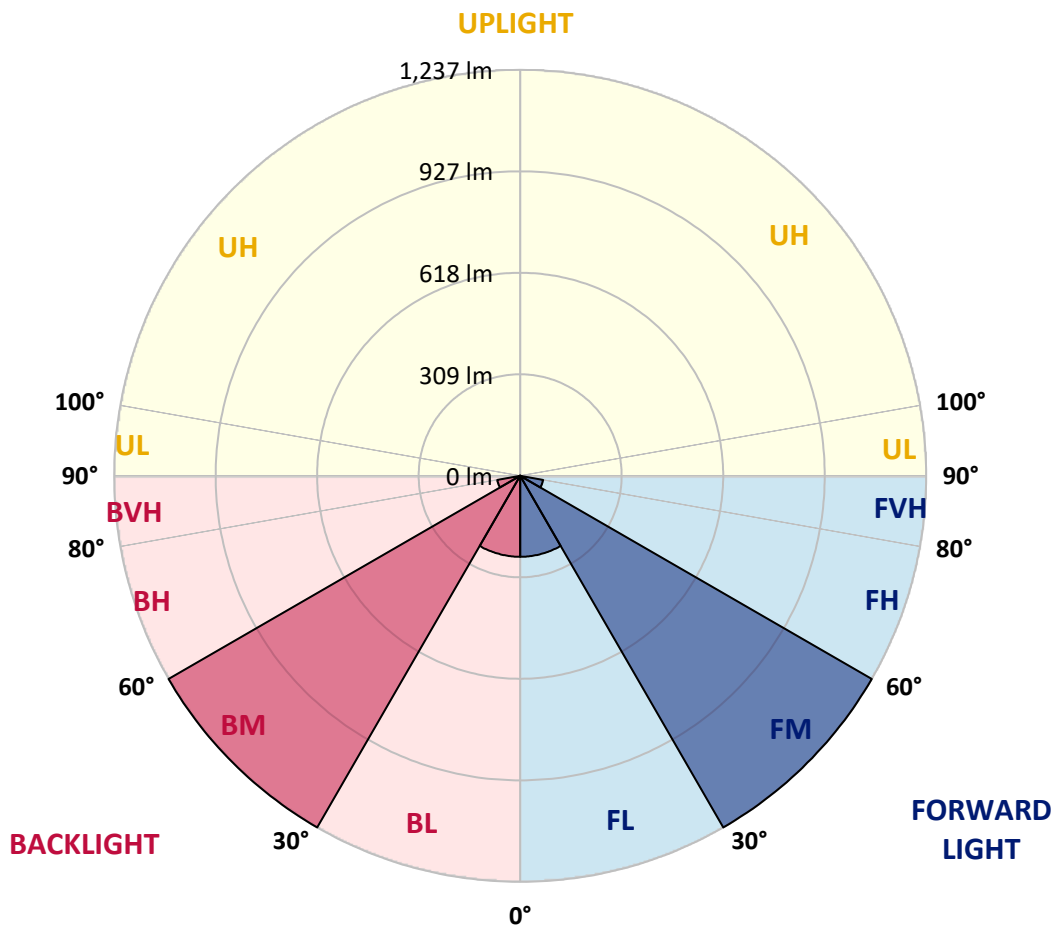
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.5	7.9			
FM (30°-60°)	1236.6	39.7			
FH (60°-80°)	70.8	2.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	246.5	7.9	B1/500		
BM (30°-60°)	1236.6	39.7	B2/2500		
BH (60°-80°)	70.8	2.3	B0/110		G0/660
BVH (80°-90°)	2.1	0.1			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°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	429.9	429.9	429.4	433.5	431.4	436.2	435.6	437.2	438.8	438.3	442.4
5°	426.2	425.7	425.7	430.4	435.1	440.3	445.1	448.2	453.4	453.4	458.7
7.5°	429.9	427.3	430.9	433.0	441.9	450.8	458.7	465.0	477.0	481.2	479.6
10°	430.9	434.1	436.7	443.0	454.0	467.6	474.4	490.1	503.7	513.1	515.2
12.5°	437.7	442.4	449.8	465.0	474.9	492.7	502.1	517.3	536.2	546.6	554.0
15°	450.8	452.4	461.8	481.2	502.7	518.9	533.5	544.5	562.9	574.9	575.4
17.5°	467.6	474.4	487.5	505.8	528.3	552.4	563.9	576.0	582.8	599.0	602.7
20°	501.1	502.1	514.7	538.8	567.1	589.0	597.4	603.7	601.1	617.8	621.0
22.5°	532.5	533.5	549.3	581.7	612.1	630.9	634.6	630.9	623.1	635.1	636.2
25°	564.4	573.9	585.4	617.8	655.5	680.7	681.2	671.3	655.0	657.1	662.4
27.5°	614.2	621.0	633.0	662.9	704.2	732.5	727.8	715.8	694.8	696.4	694.8
30°	672.3	678.6	688.5	726.8	757.1	788.0	794.8	783.3	751.9	745.1	752.9
32.5°	742.5	751.4	769.7	804.8	830.4	849.3	854.0	849.8	820.5	817.9	823.1
35°	827.8	839.9	856.6	887.5	908.4	942.5	942.5	928.3	901.6	904.8	904.3
37.5°	917.9	935.7	961.8	993.3	1021.5	1039.9	1034.1	1022.1	995.4	988.6	995.4
40°	1031.0	1039.9	1072.9	1113.7	1148.2	1169.2	1144.6	1118.4	1054.5	1064.5	1082.8
42.5°	1134.1	1148.2	1173.4	1218.4	1257.7	1275.0	1245.6	1193.8	1116.8	1109.0	1122.6
45°	1222.1	1237.3	1270.2	1334.7	1376.0	1391.2	1326.3	1242.5	1154.5	1134.6	1140.4
47.5°	1280.7	1288.6	1334.7	1395.9	1433.6	1468.2	1375.0	1276.0	1172.3	1134.6	1132.5
50°	1258.2	1271.8	1325.7	1395.4	1464.0	1488.6	1399.6	1301.7	1178.1	1129.9	1123.6
52.5°	1117.4	1140.9	1201.1	1294.9	1398.5	1486.5	1433.6	1293.3	1176.0	1134.6	1144.1
55°	777.5	778.1	851.4	989.6	1172.9	1380.2	1383.9	1302.7	1189.6	1164.0	1164.5
57.5°	312.6	328.3	384.3	523.1	692.2	947.7	1126.8	1208.5	1191.2	1184.9	1201.1
60°	79.1	79.6	96.9	147.7	243.5	406.3	590.1	798.5	919.4	960.8	966.6
62.5°	40.3	40.8	45.0	52.4	66.5	108.9	193.7	307.4	437.2	503.2	520.5
65°	33.0	33.0	35.6	39.3	39.8	41.9	50.3	71.7	104.2	118.3	119.9
67.5°	25.1	25.1	27.2	29.3	30.4	29.8	28.8	29.8	36.1	34.6	33.5
70°	15.7	16.2	17.3	19.4	20.4	20.9	21.5	22.5	25.7	26.7	25.7
72.5°	9.4	9.4	9.9	11.5	13.1	14.1	15.7	16.8	18.3	20.9	20.4
75°	4.2	4.2	5.2	6.8	8.4	9.9	11.5	13.1	14.1	15.7	16.2
77.5°	1.0	1.6	2.6	4.7	6.3	8.4	10.5	12.0	13.1	13.1	12.6
80°	0.5	0.5	2.1	3.7	6.8	8.9	11.5	12.6	14.1	13.1	11.5
82.5°	0.5	0.5	2.1	3.7	6.3	8.9	12.0	13.6	14.7	13.1	11.0
85°	0.0	0.5	1.6	3.1	5.2	6.3	5.2	3.7	2.1	2.1	1.6
87.5°	0.0	0.0	0.5	0.5	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)