

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: P450422

Luminaire Tested: **GALN-SA1B-727-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5050 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

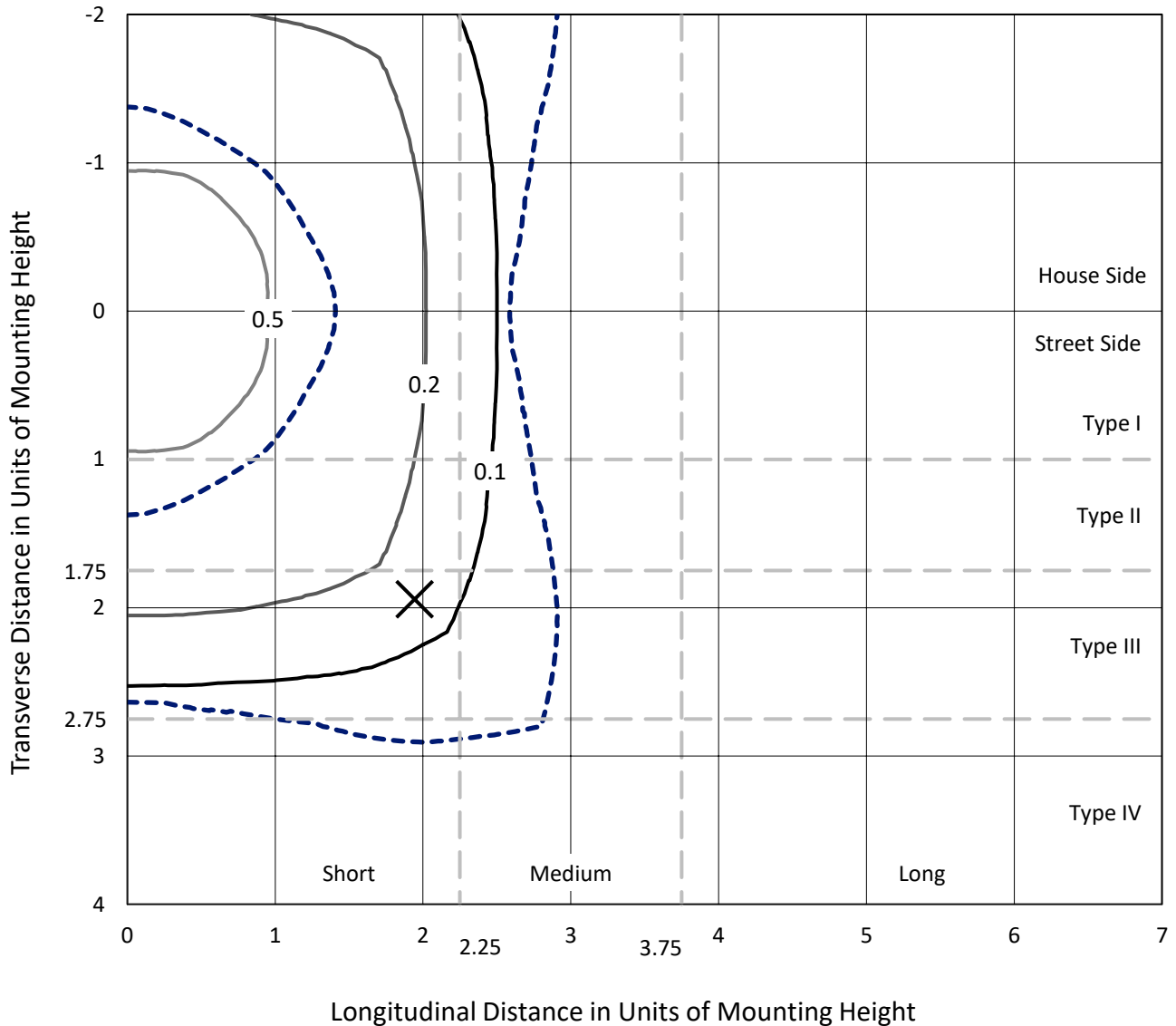
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

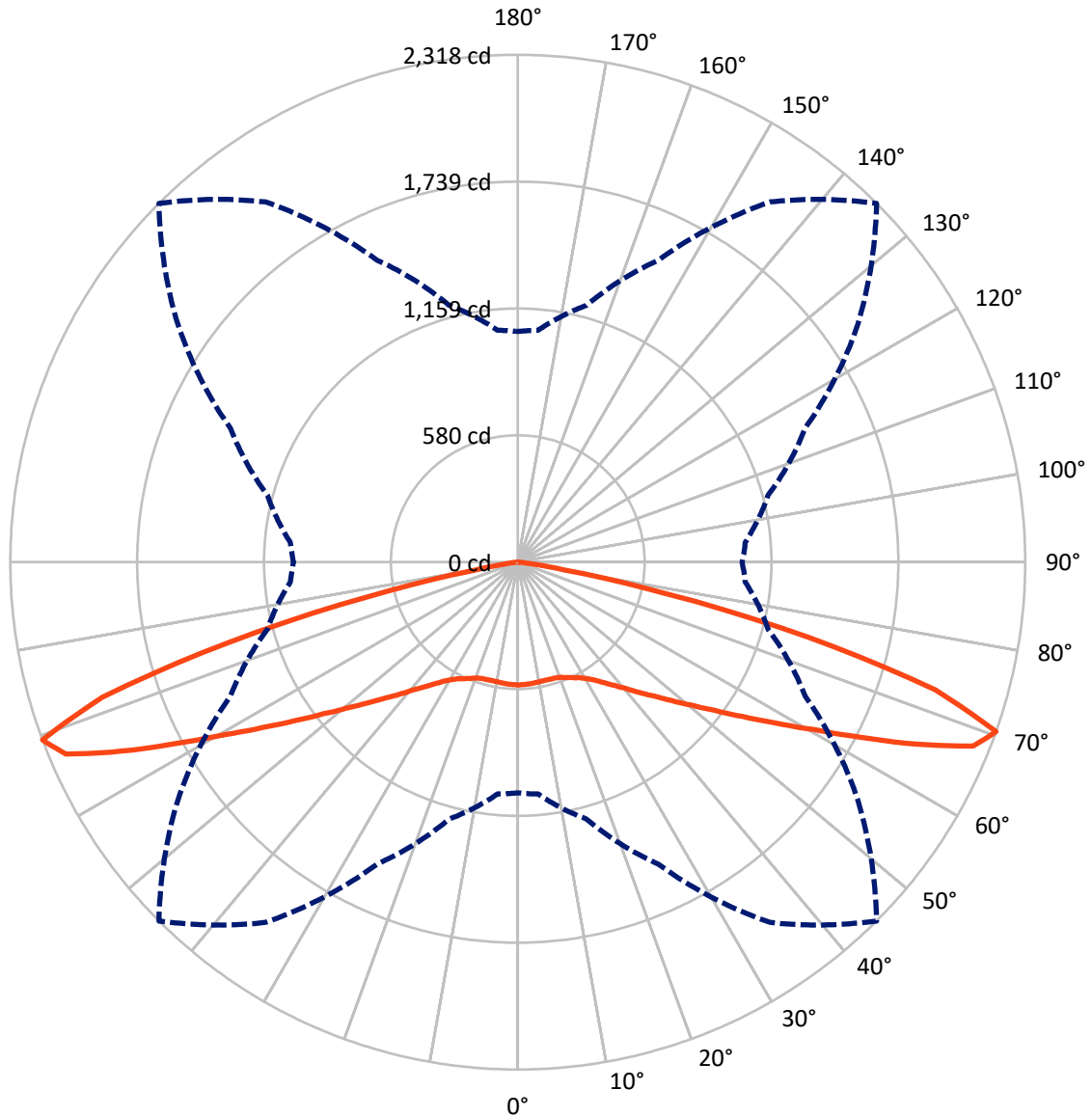
× Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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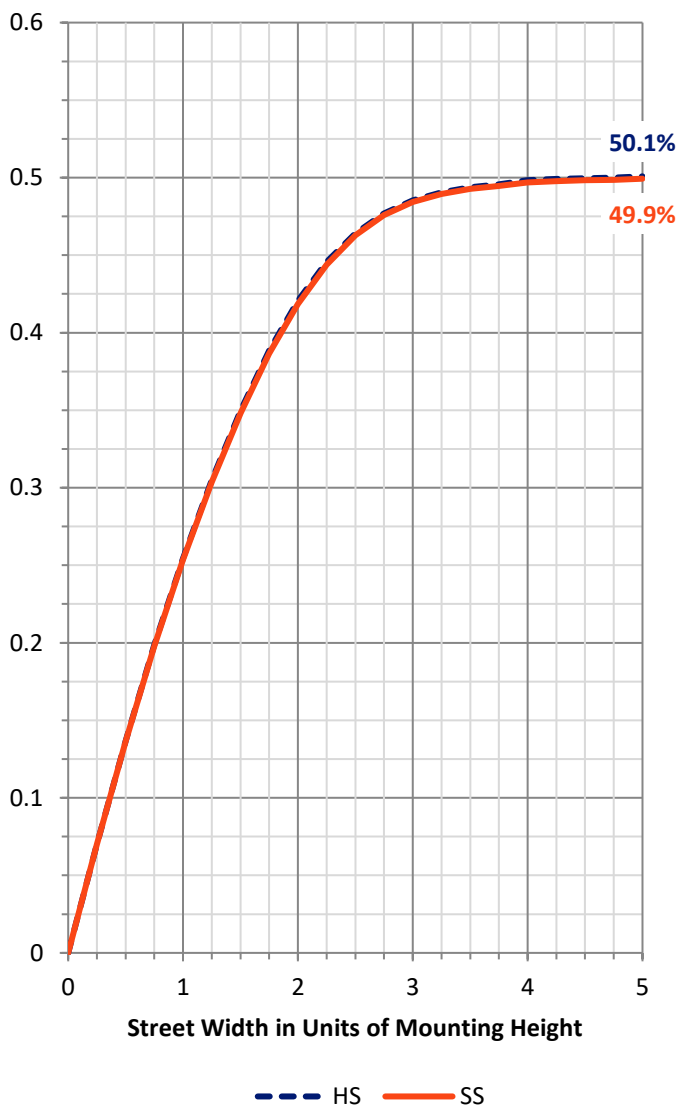
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2525.0	0.0	2525.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2525.0	0.0	2525.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5050.0	0.0	5050.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.1
10°-20°	156.0	3.1
20°-30°	266.9	5.3
30°-40°	423.6	8.4
40°-50°	683.4	13.5
50°-60°	1111.9	22.0
60°-70°	1611.8	31.9
70°-80°	715.0	14.2
80°-90°	28.2	0.6
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°	5050.0	100.0
0°-180°	5050.0	100.0

Coefficient of Utilization



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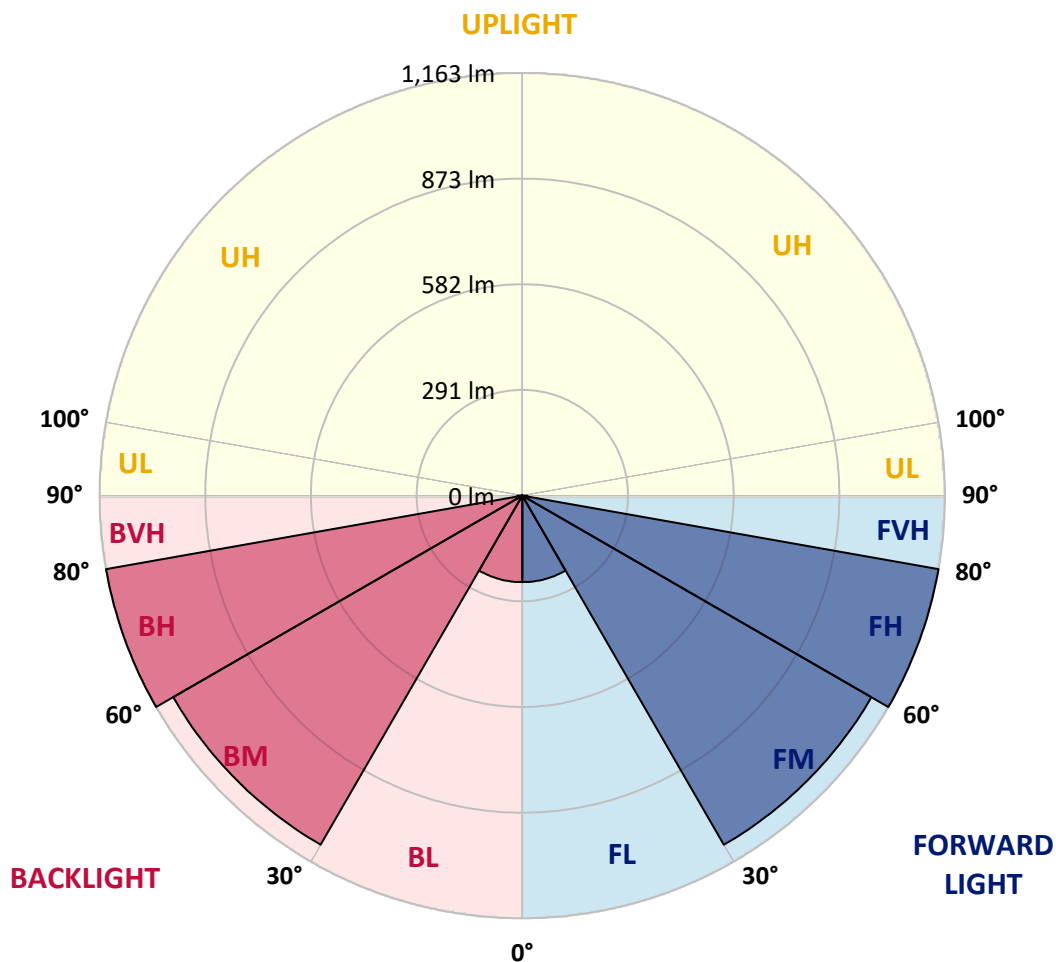
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.1	4.7			
FM	(30°-60°)	1109.5	22.0			
FH	(60°-80°)	1163.4	23.0			G1/1800
FVH	(80°-90°)	14.1	0.3			G1/100
BL	(0°-30°)	238.1	4.7	B1/500		
BM	(30°-60°)	1109.5	22.0	B2/2500		
BH	(60°-80°)	1163.4	23.0	B3/2500		G1/1800
BVH	(80°-90°)	14.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8	560.8
2.5°	560.8	561.3	560.5	560.0	559.7	559.7	559.4	559.7	561.3	561.6	560.8
5°	559.2	559.7	559.4	558.9	558.6	558.6	558.4	558.1	559.4	560.0	559.7
7.5°	557.1	557.3	557.1	556.8	557.1	556.8	556.0	555.5	556.5	556.5	556.3
10°	553.3	553.9	553.6	553.9	554.4	554.4	553.3	552.3	552.5	552.0	552.0
12.5°	548.8	549.6	549.9	550.9	552.3	553.9	551.5	549.1	548.5	548.3	548.0
15°	545.9	546.7	547.7	548.8	551.2	554.7	551.2	547.5	546.4	545.3	544.8
17.5°	545.1	546.1	547.7	549.3	552.5	556.0	553.1	549.3	546.7	545.1	544.5
20°	547.2	548.0	550.4	553.3	557.9	561.3	558.4	554.4	550.4	548.0	547.2
22.5°	551.5	552.8	555.7	561.0	567.4	572.5	568.5	561.8	555.5	552.3	551.2
25°	560.8	561.8	565.3	572.5	579.9	584.7	580.5	572.8	564.0	559.7	558.4
27.5°	574.9	576.5	580.2	588.7	594.8	597.5	594.6	589.3	582.9	578.3	577.3
30°	594.8	596.7	602.3	611.3	615.3	616.9	615.6	612.1	607.6	602.8	601.8
32.5°	621.7	622.8	629.2	637.7	641.4	642.0	640.4	638.8	631.3	623.3	622.8
35°	651.8	653.7	661.4	671.5	675.0	675.2	672.0	669.6	660.9	654.5	654.5
37.5°	691.7	692.5	700.0	711.4	715.1	714.1	712.5	710.4	701.0	692.8	693.1
40°	738.6	740.2	746.6	759.9	759.9	758.5	759.6	758.0	748.7	740.7	741.0
42.5°	794.2	795.0	802.7	816.8	815.8	813.1	814.2	812.0	806.2	797.1	793.9
45°	853.5	856.7	870.0	883.6	881.5	873.0	877.2	876.7	871.4	857.8	858.6
47.5°	925.1	930.5	943.2	959.5	957.1	943.8	948.6	951.8	944.3	929.4	926.7
50°	1005.8	1009.2	1028.1	1043.3	1041.2	1027.1	1038.0	1038.5	1019.9	998.9	998.9
52.5°	1091.7	1095.2	1120.8	1144.4	1145.8	1125.3	1134.1	1133.5	1103.2	1075.5	1070.2
55°	1188.1	1189.7	1222.7	1257.6	1265.0	1245.1	1246.1	1235.5	1196.1	1163.9	1160.9
57.5°	1287.6	1293.5	1330.0	1375.2	1397.3	1385.0	1379.5	1351.0	1312.9	1275.9	1274.1
60°	1397.8	1398.1	1445.5	1499.0	1543.7	1551.9	1529.0	1491.0	1441.7	1392.8	1390.6
62.5°	1474.2	1485.7	1545.5	1636.0	1716.1	1762.4	1702.0	1622.2	1525.3	1446.3	1438.3
65°	1489.9	1497.6	1588.9	1742.2	1905.9	2005.7	1866.0	1696.2	1530.9	1425.5	1420.2
67.5°	1363.0	1371.2	1494.2	1729.4	2039.0	2243.6	1972.4	1660.5	1436.1	1305.7	1295.4
70°	1054.2	1063.5	1215.5	1522.4	2009.4	2318.4	1896.6	1448.4	1184.4	1043.6	1024.7
72.5°	560.5	594.8	724.7	1044.9	1631.0	1996.1	1555.1	1056.9	763.9	624.4	599.4
75°	204.7	208.9	281.3	463.4	948.8	1368.8	985.3	504.1	289.8	223.8	212.4
77.5°	84.6	84.4	92.6	140.0	344.7	701.0	384.6	148.0	92.4	85.4	84.4
80°	50.0	50.0	55.1	58.3	90.8	211.6	101.4	66.0	55.4	50.6	51.4
82.5°	22.4	23.7	34.9	36.7	43.9	58.0	49.0	42.1	36.2	25.0	22.6
85°	12.2	10.6	18.4	19.2	21.0	21.6	23.2	22.9	21.0	12.2	12.5
87.5°	2.4	2.9	5.3	4.0	4.5	4.0	5.3	7.5	7.7	4.3	3.5
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)