

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: P450369

Luminaire Tested: **GALN-SA1A-830-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3794 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

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



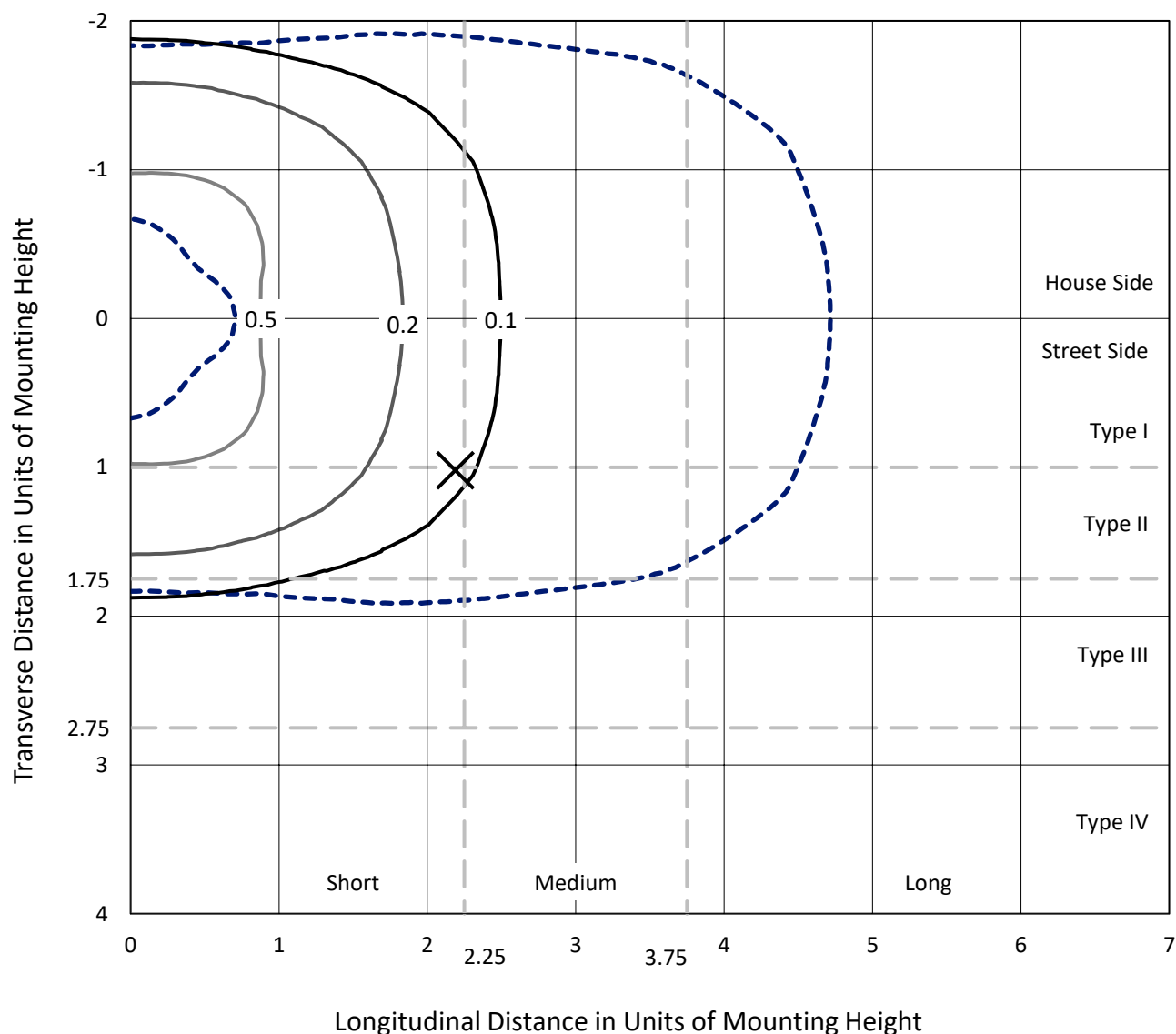
REPORT NUMBER: P450369

CATALOG NUMBER: GALN-SA1A-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

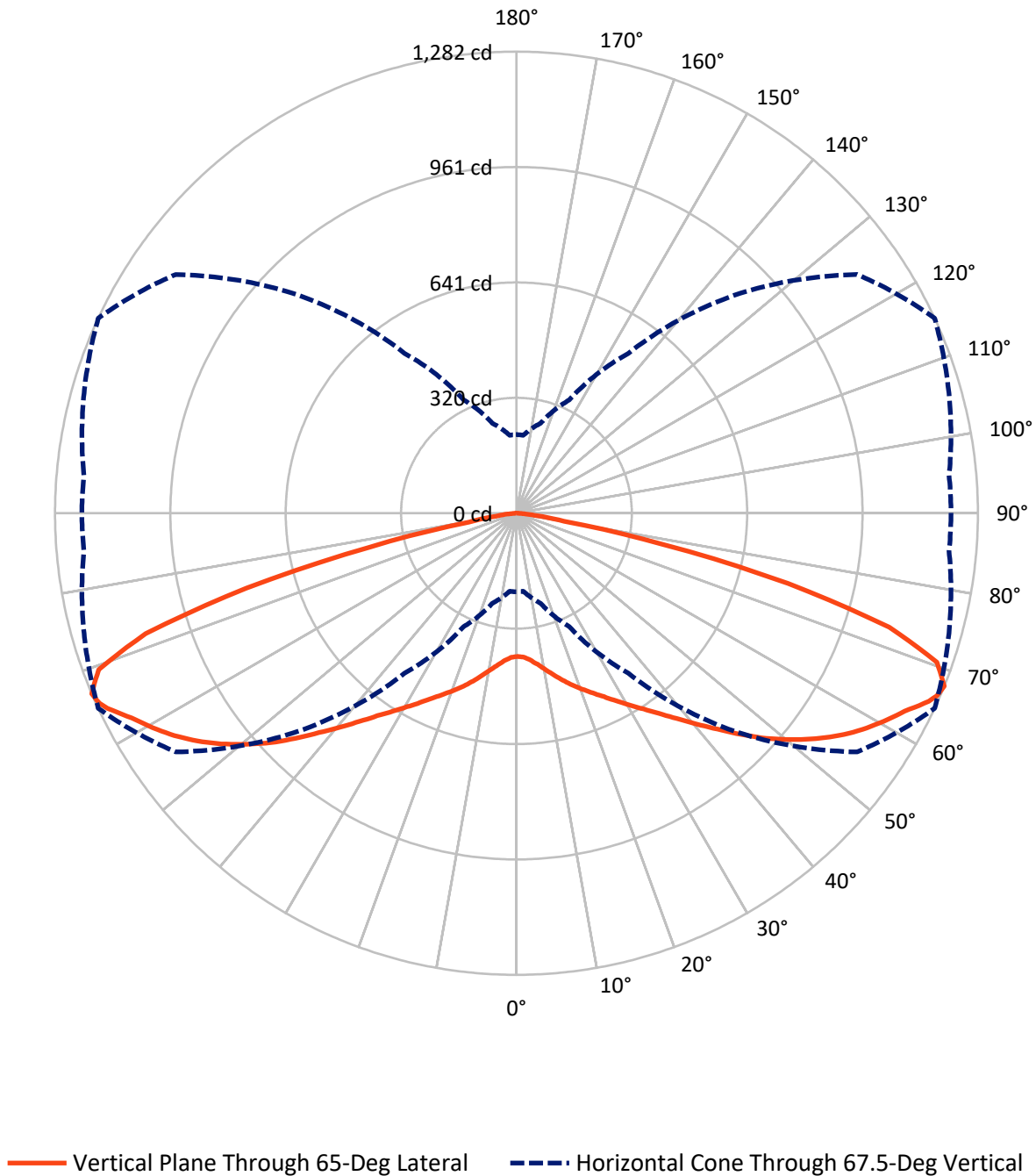


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

REPORT NUMBER: P450369

CATALOG NUMBER: GALN-SA1A-830-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1897.0	0.0	1897.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1897.0	0.0	1897.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3794.0	0.0	3794.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	1.0
10°-20°	131.2	3.5
20°-30°	256.6	6.8
30°-40°	436.4	11.5
40°-50°	690.7	18.2
50°-60°	915.9	24.1
60°-70°	864.0	22.8
70°-80°	427.1	11.3
80°-90°	32.9	0.9
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°	3794.0	100.0
0°-180°	3794.0	100.0

Coefficient of Utilization



REPORT NUMBER: P450369

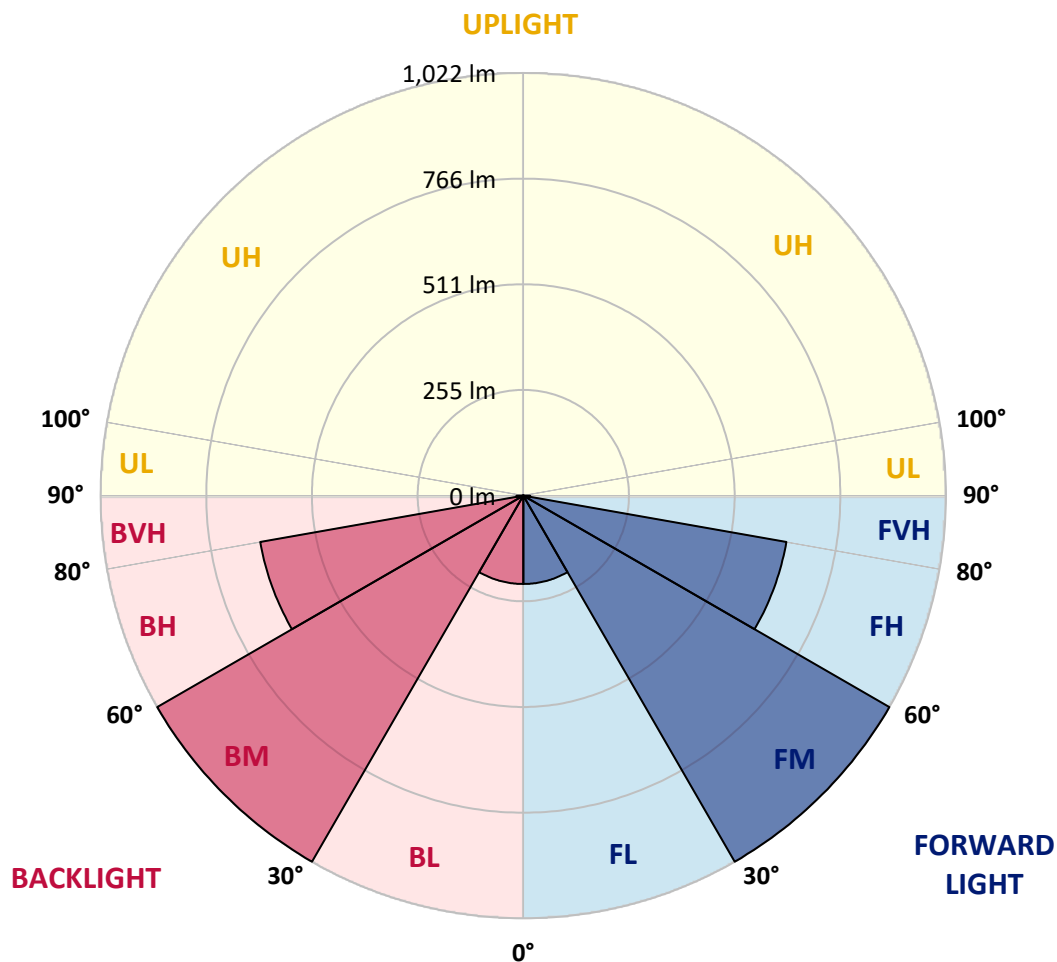
CATALOG NUMBER: GALN-SA1A-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.5	5.6			
FM	(30°-60°)	1021.5	26.9			
FH	(60°-80°)	645.5	17.0			G0/660
FVH	(80°-90°)	16.5	0.4			G1/100
BL	(0°-30°)	213.5	5.6	B1/500		
BM	(30°-60°)	1021.5	26.9	B2/2500		
BH	(60°-80°)	645.5	17.0	B2/1000		G2/1000
BVH	(80°-90°)	16.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P450369

CATALOG NUMBER: GALN-SA1A-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	397.4	397.4	397.4	397.4	397.4	397.4	397.4	397.4	397.4	397.4	397.4
2.5°	395.4	395.8	396.2	396.8	397.6	398.8	399.6	400.2	401.9	402.1	401.9
5°	393.9	394.3	395.4	397.2	399.8	403.5	406.3	409.8	412.4	414.3	413.9
7.5°	393.7	394.5	396.2	400.0	405.1	411.4	417.9	423.8	428.9	433.0	432.4
10°	397.0	398.0	400.6	406.3	414.3	423.4	432.6	441.3	448.6	453.9	455.7
12.5°	402.5	403.3	408.2	416.7	428.1	439.5	449.8	460.6	470.8	479.7	479.7
15°	412.0	413.4	419.5	431.9	446.0	459.2	469.8	481.1	492.1	502.3	505.3
17.5°	425.2	427.3	436.4	452.3	470.2	482.4	492.3	501.7	511.2	521.0	522.4
20°	443.3	445.4	457.6	476.7	497.8	512.4	519.1	521.4	526.1	535.4	536.6
22.5°	467.9	470.0	483.6	505.1	528.7	544.6	547.4	542.1	540.9	548.2	549.0
25°	495.8	497.6	513.3	536.4	560.8	578.1	577.3	564.3	557.0	561.4	562.6
27.5°	527.1	529.7	545.6	569.6	596.0	611.2	608.8	589.9	574.2	573.4	573.8
30°	567.1	570.0	585.0	608.0	634.0	648.0	642.9	617.5	593.3	585.2	585.2
32.5°	609.4	616.5	631.8	655.7	676.1	686.2	678.5	648.0	615.9	604.5	603.9
35°	664.5	668.3	683.4	706.8	722.0	729.9	715.1	682.4	645.4	632.0	630.1
37.5°	718.3	721.6	739.1	761.4	779.9	779.5	759.4	723.2	682.0	666.9	665.7
40°	773.4	776.9	796.8	817.3	835.8	834.2	809.8	769.4	725.5	708.6	711.8
42.5°	821.2	825.1	847.6	876.9	893.6	893.2	864.9	819.4	773.6	758.6	761.4
45°	864.7	868.2	894.4	927.9	952.3	955.4	924.5	876.3	829.3	810.0	810.8
47.5°	895.4	901.9	929.3	967.8	1000.9	1011.7	981.4	934.2	880.1	860.0	861.2
50°	918.8	922.8	952.7	996.4	1038.3	1060.6	1036.3	987.9	931.0	909.6	912.5
52.5°	921.6	926.5	959.0	1009.4	1063.1	1097.0	1085.0	1040.3	982.8	960.8	966.9
55°	898.4	901.3	940.1	1001.3	1072.8	1124.1	1127.1	1089.1	1032.2	1015.5	1019.6
57.5°	832.4	839.7	888.9	963.3	1059.4	1138.5	1158.6	1133.4	1082.2	1065.7	1072.2
60°	724.0	731.4	780.8	875.1	1008.8	1131.8	1184.6	1172.7	1127.5	1114.3	1117.8
62.5°	567.3	566.7	627.9	743.6	908.2	1098.9	1204.0	1210.5	1172.2	1155.6	1160.9
65°	367.7	369.5	428.7	553.3	756.4	1015.1	1208.2	1258.6	1216.1	1190.9	1194.8
66°	295.8	301.2	351.4	466.3	678.9	960.2	1195.4	1272.9	1229.6	1199.1	1200.9
67.5°	218.3	217.3	258.6	347.2	542.1	856.0	1155.4	1281.8	1244.8	1206.4	1207.2
70°	124.6	124.4	139.0	190.7	318.7	602.7	973.9	1238.9	1275.7	1232.8	1230.6
72.5°	91.1	90.5	92.5	105.3	155.5	304.3	671.8	1082.8	1259.9	1228.5	1222.2
75°	76.4	76.0	75.6	77.2	87.2	137.8	356.5	778.9	1093.2	1153.1	1146.6
77.5°	62.4	62.4	62.6	62.2	62.6	72.6	147.8	417.5	665.7	743.1	761.2
80°	48.8	48.6	52.0	50.6	47.4	46.5	65.5	134.4	221.0	219.7	181.3
82.5°	36.0	33.5	39.6	38.6	35.0	29.7	38.2	57.3	73.8	48.0	35.6
85°	22.8	22.6	28.1	25.6	21.3	14.0	18.3	24.6	30.5	18.5	15.0
87.5°	4.1	3.9	8.9	6.5	6.5	4.1	5.1	6.7	10.0	6.9	5.1
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)