

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: P526687

Luminaire Tested: **GALN-SA1C-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526687
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-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 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: 3393 lumens
Efficiency: N/A
Efficacy: 59.5 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



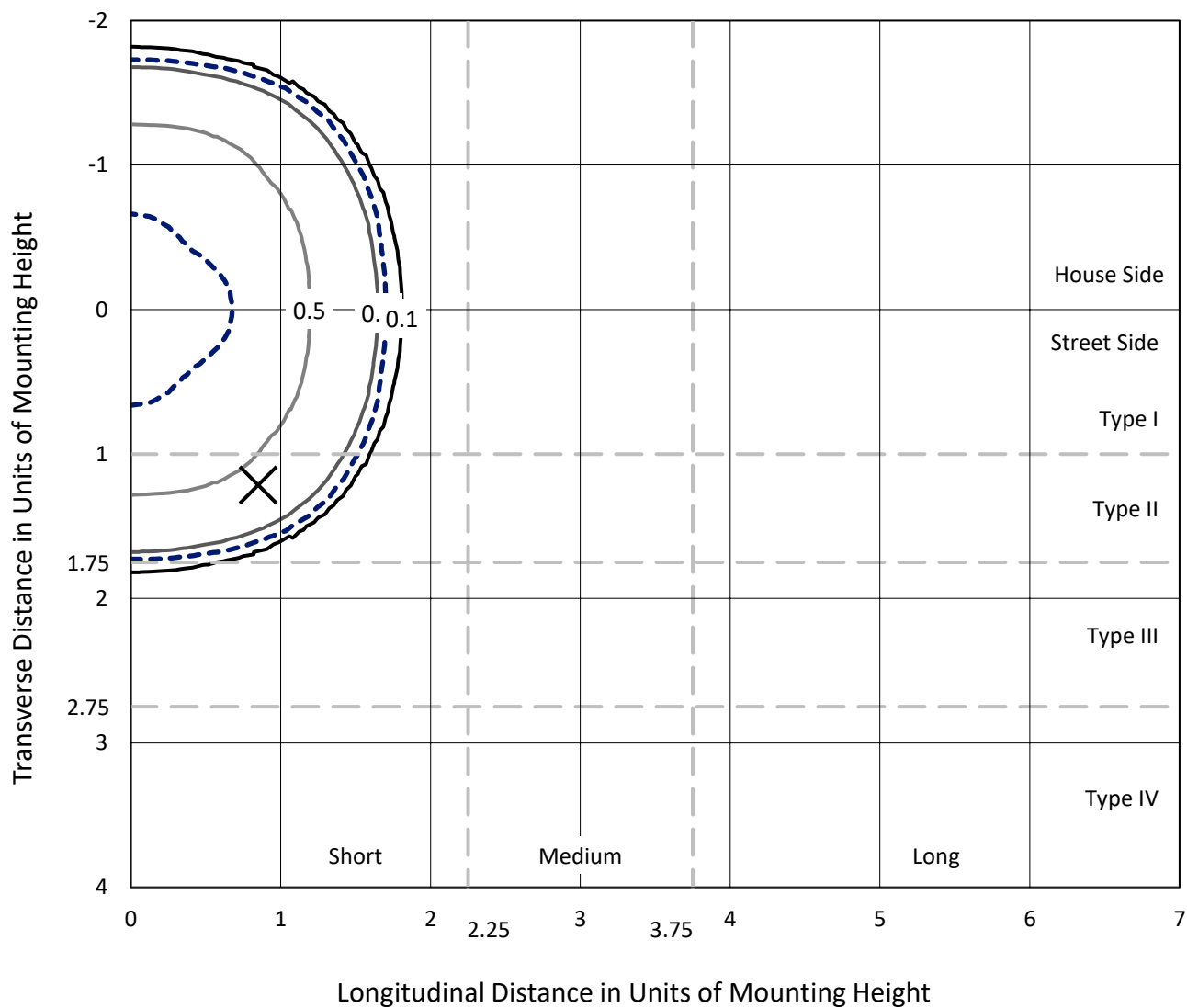
REPORT NUMBER: P526687

CATALOG NUMBER: GALN-SA1C-830-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

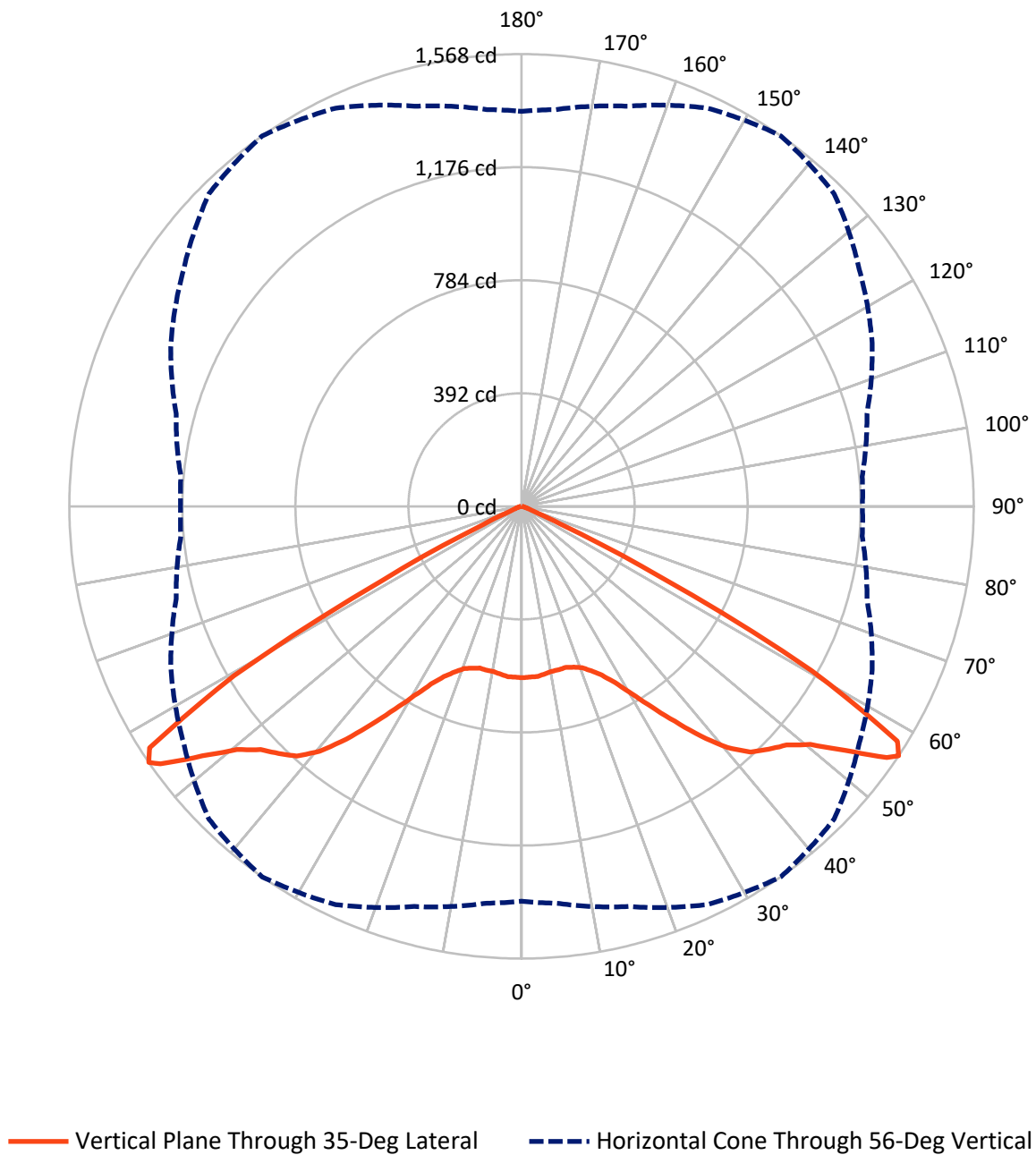


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P526687

CATALOG NUMBER: GALN-SA1C-830-U-5MQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526687

CATALOG NUMBER: GALN-SA1C-830-U-5MQ-GRSBK

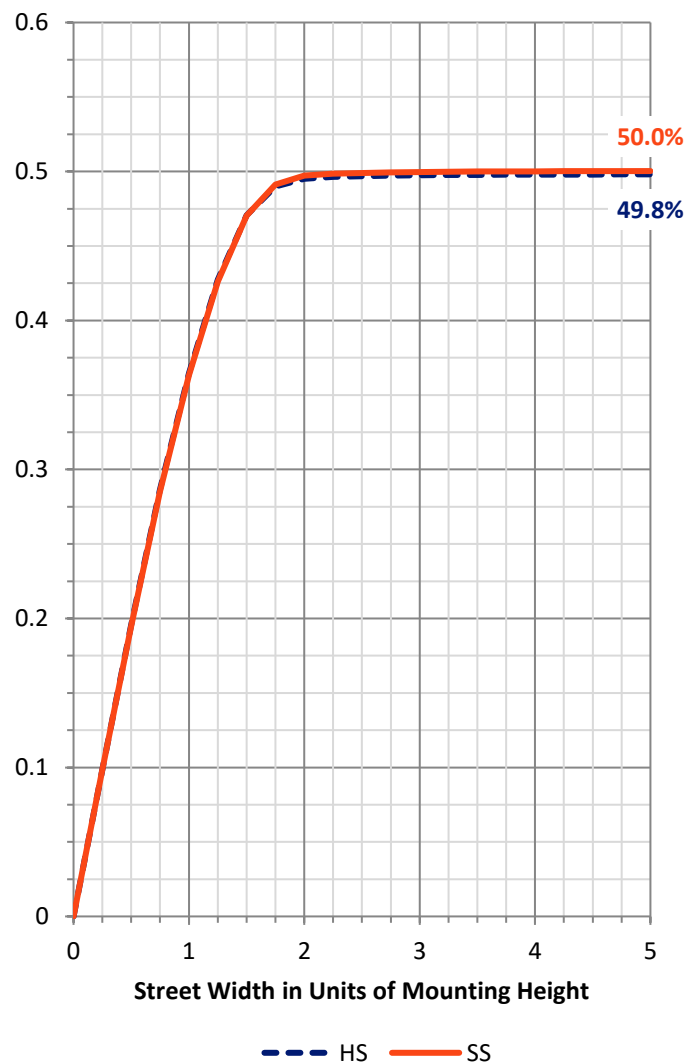
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1696.5	0.0	1696.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1696.5	0.0	1696.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3393.0	0.0	3393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.6
10°-20°	163.1	4.8
20°-30°	295.4	8.7
30°-40°	547.8	16.1
40°-50°	899.2	26.5
50°-60°	1158.4	34.1
60°-70°	255.3	7.5
70°-80°	14.8	0.4
80°-90°	3.1	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°	3393.0	100.0
0°-180°	3393.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526687

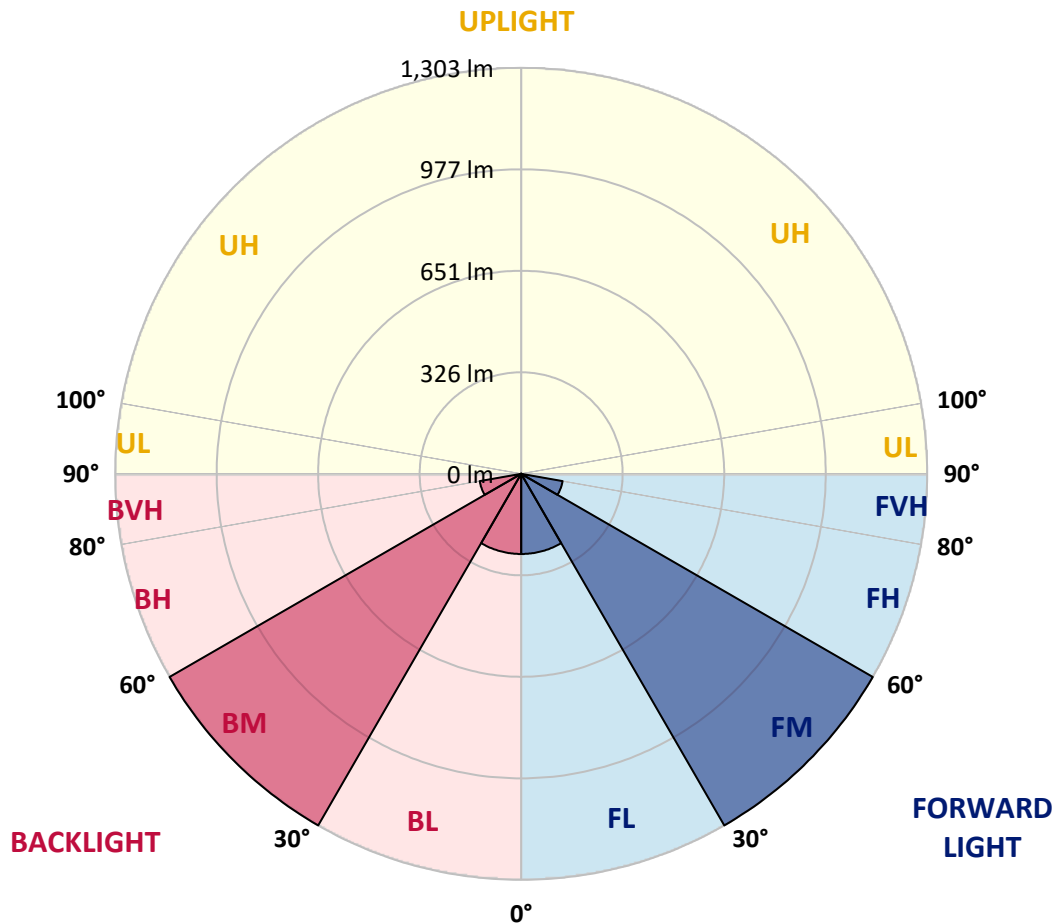
CATALOG NUMBER: GALN-SA1C-830-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.2	7.6			
FM	(30°-60°)	1302.7	38.4			
FH	(60°-80°)	135.1	4.0			G0/660
FVH	(80°-90°)	1.6	0.0			G0/10
BL	(0°-30°)	257.2	7.6	B1/500		
BM	(30°-60°)	1302.7	38.4	B2/2500		
BH	(60°-80°)	135.1	4.0	B1/500		G0/660
BVH	(80°-90°)	1.6	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



REPORT NUMBER: P526687

CATALOG NUMBER: GALN-SA1C-830-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5	594.5
2.5°	595.8	595.8	596.4	597.0	592.7	590.8	591.5	590.2	589.6	591.5	591.5
5°	593.9	593.9	592.1	592.7	592.7	587.1	587.1	588.4	588.4	584.7	583.5
7.5°	589.0	587.8	585.3	588.4	586.5	586.5	582.2	579.2	577.9	580.4	577.9
10°	578.5	579.2	581.6	582.8	581.6	585.3	577.9	573.6	569.3	567.5	567.5
12.5°	573.6	577.3	573.6	576.7	581.0	577.9	573.6	570.5	564.4	561.9	561.9
15°	573.0	575.5	576.7	581.0	579.2	580.4	571.8	568.1	558.9	554.6	552.7
17.5°	572.4	575.5	577.3	585.3	586.5	587.1	580.4	569.3	561.3	557.0	552.7
20°	579.2	580.4	584.1	592.1	597.0	605.6	593.3	581.6	564.4	559.5	557.6
22.5°	587.8	593.9	597.6	606.2	619.1	626.5	610.5	595.8	577.9	571.8	564.4
25°	615.4	614.2	620.3	638.2	648.6	654.2	641.3	619.7	596.4	589.0	590.2
27.5°	649.9	651.1	656.6	676.3	691.7	700.3	684.9	656.6	633.9	621.6	620.3
30°	694.7	693.5	699.7	726.1	753.8	766.7	739.6	706.4	684.3	668.3	672.0
32.5°	742.1	742.7	759.9	783.9	828.8	854.0	810.3	769.7	736.5	725.5	719.9
35°	812.2	815.2	828.8	865.7	915.5	948.0	900.1	851.5	813.4	793.1	795.6
37.5°	898.9	895.8	918.5	958.5	1010.8	1034.7	994.2	938.8	900.1	886.6	895.2
40°	991.1	994.2	1005.8	1042.1	1100.5	1116.5	1056.3	1026.1	992.3	985.5	996.0
42.5°	1083.3	1081.5	1090.1	1122.7	1165.1	1154.0	1118.3	1100.5	1076.5	1063.0	1077.2
45°	1150.9	1147.9	1163.8	1186.0	1201.3	1180.4	1164.5	1158.3	1146.0	1131.3	1144.2
47.5°	1216.7	1214.3	1229.6	1235.8	1237.0	1209.3	1212.4	1223.5	1192.7	1162.0	1176.8
50°	1272.7	1268.4	1287.4	1300.9	1297.9	1253.6	1264.7	1253.6	1205.7	1169.4	1163.8
52.5°	1366.1	1368.0	1388.3	1412.8	1405.5	1368.6	1352.6	1302.2	1240.7	1208.1	1189.1
55°	1425.1	1415.9	1451.0	1529.0	1537.7	1499.5	1428.8	1354.4	1262.2	1222.3	1217.3
56°	1369.8	1381.5	1436.8	1524.1	1568.4	1533.3	1430.7	1341.5	1240.1	1186.0	1182.3
57.5°	1229.0	1222.9	1297.9	1417.1	1537.7	1522.9	1380.3	1249.3	1131.3	1070.4	1063.0
60°	764.8	782.7	848.4	996.0	1157.1	1164.5	1023.1	910.5	772.8	718.7	731.6
62.5°	299.4	284.0	325.2	435.3	546.0	570.5	517.1	429.8	352.9	299.4	295.7
65°	69.5	67.6	76.2	105.1	146.9	170.3	161.7	116.2	85.5	81.2	75.0
67.5°	39.3	39.3	37.5	37.5	41.2	43.7	41.8	41.2	43.0	44.9	44.3
70°	27.7	27.1	25.8	26.4	25.2	25.2	27.1	30.1	32.6	32.6	33.2
72.5°	16.6	16.6	16.6	18.4	18.4	18.4	20.3	22.7	23.4	22.7	22.1
75°	7.4	7.4	8.6	10.5	11.7	12.3	14.1	15.4	16.6	15.4	14.1
77.5°	1.8	1.8	3.1	4.3	5.5	6.8	9.2	11.1	11.7	11.1	9.2
80°	0.6	0.6	1.2	3.1	5.5	6.8	9.2	9.8	10.5	9.2	7.4
82.5°	0.6	0.6	1.2	3.1	4.3	5.5	7.4	8.6	9.2	8.0	7.4
85°	0.0	0.6	1.2	2.5	3.7	4.9	4.9	3.7	3.1	1.8	2.5
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)