

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: P526453

Luminaire Tested: **GALN-SA1B-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526453
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-SA1B-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 2746 lumens
Efficiency: N/A
Efficacy: 62.4 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



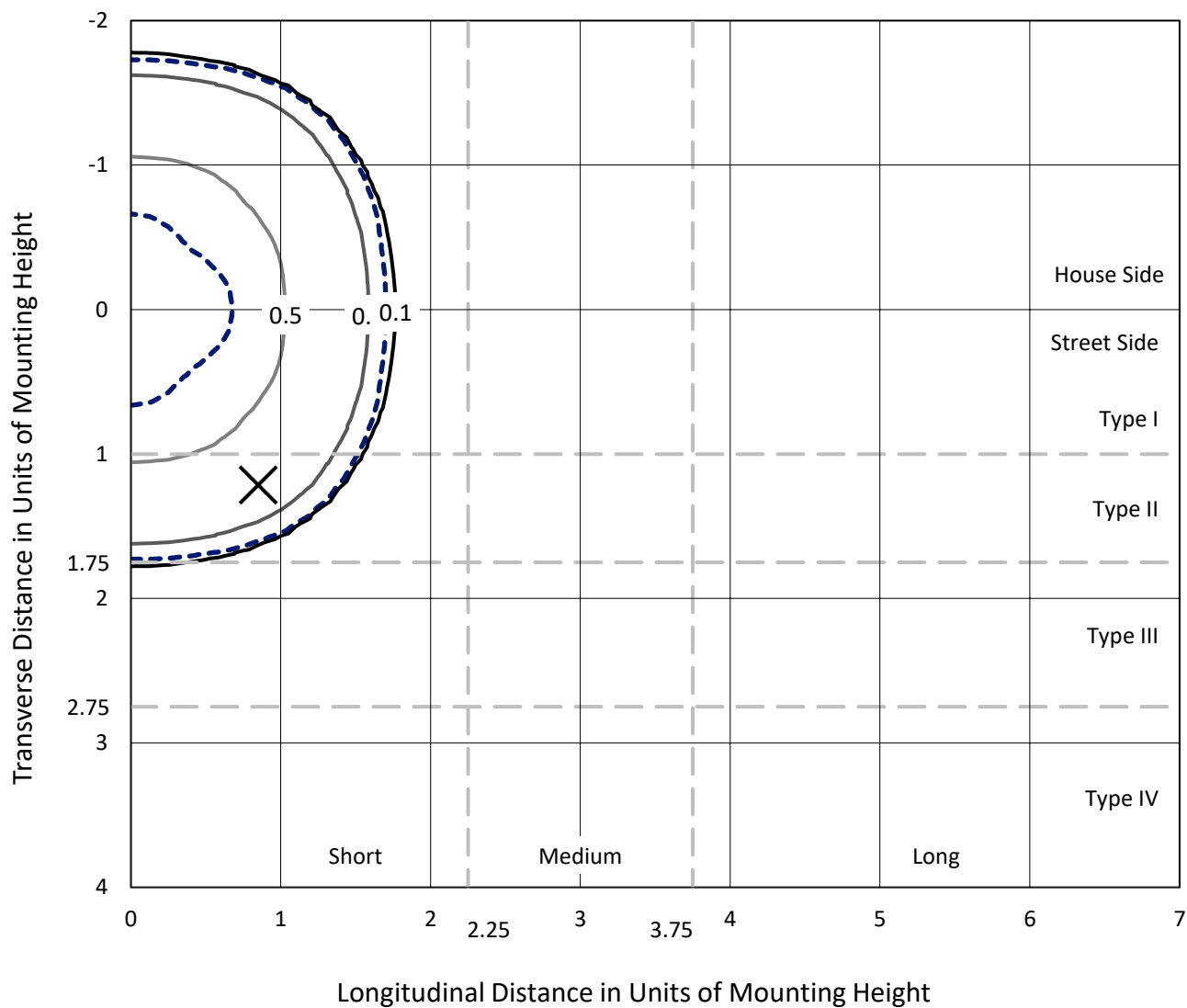
REPORT NUMBER: P526453

CATALOG NUMBER: GALN-SA1B-830-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

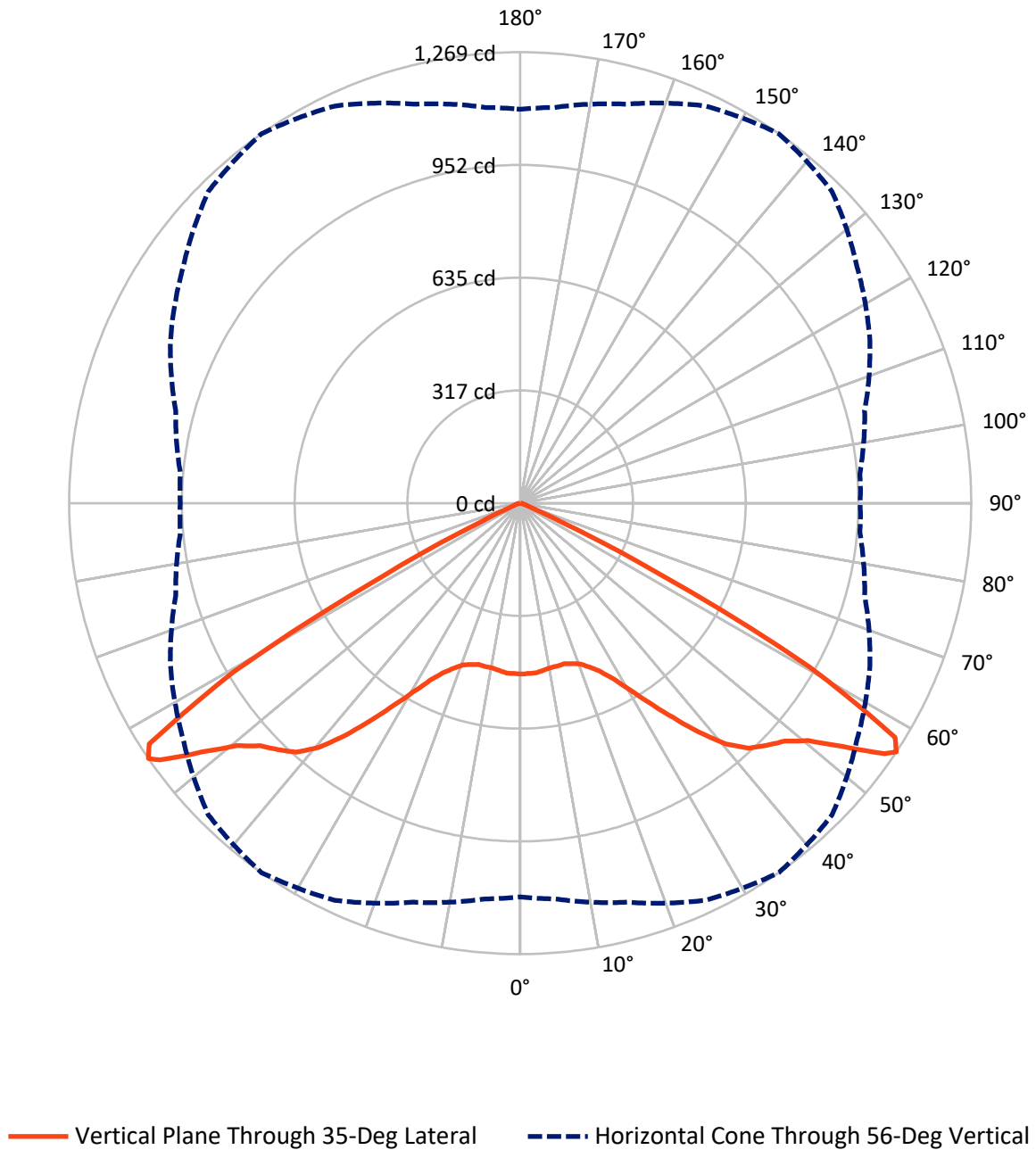


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc

Type V - Short - N/A

REPORT NUMBER: P526453
CATALOG NUMBER: GALN-SA1B-830-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1373.0	0.0	1373.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1373.0	0.0	1373.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2746.0	0.0	2746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.6
10°-20°	132.0	4.8
20°-30°	239.1	8.7
30°-40°	443.3	16.1
40°-50°	727.7	26.5
50°-60°	937.5	34.1
60°-70°	206.6	7.5
70°-80°	12.0	0.4
80°-90°	2.5	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°	2746.0	100.0
0°-180°	2746.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526453

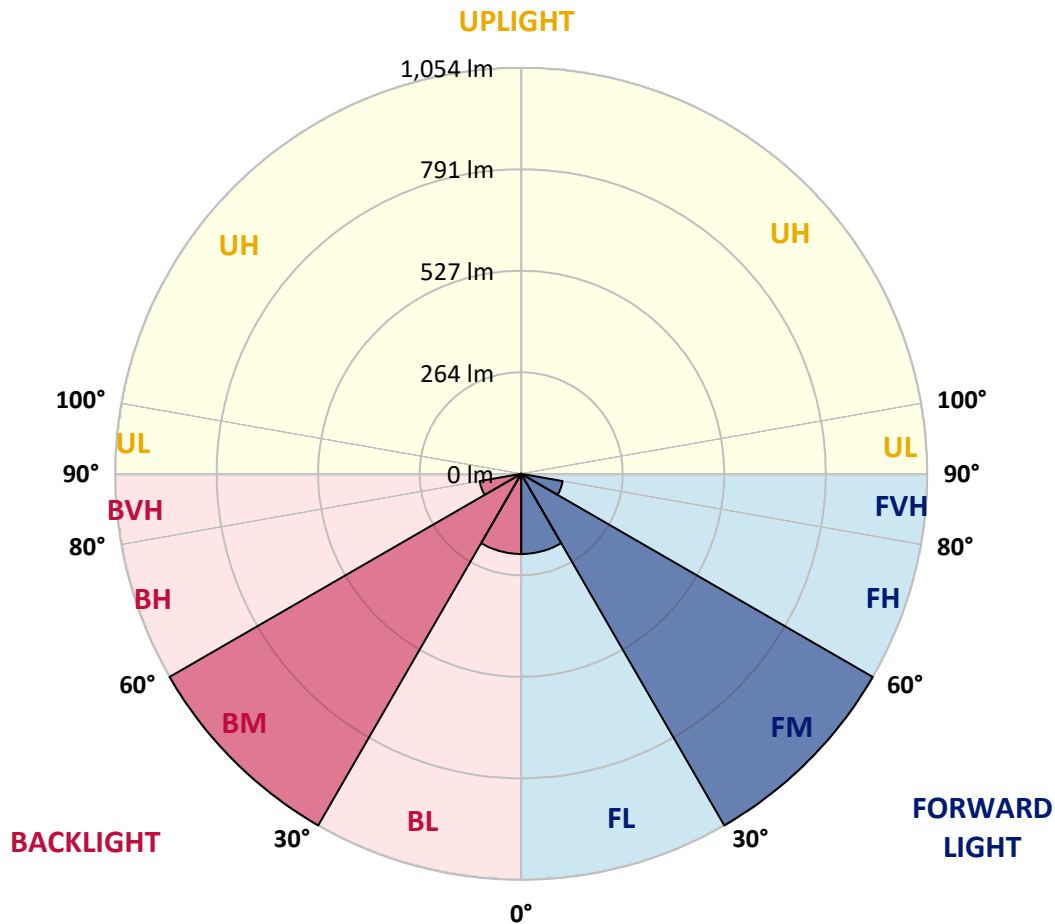
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.2	7.6			
FM	(30°-60°)	1054.3	38.4			
FH	(60°-80°)	109.3	4.0			G0/660
FVH	(80°-90°)	1.3	0.0			G0/10
BL	(0°-30°)	208.2	7.6	B1/500		
BM	(30°-60°)	1054.3	38.4	B2/2500		
BH	(60°-80°)	109.3	4.0	B0/110		G0/660
BVH	(80°-90°)	1.3	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°	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2	481.2
2.5°	482.2	482.2	482.7	483.1	479.7	478.2	478.7	477.7	477.2	478.7	478.7
5°	480.7	480.7	479.2	479.7	479.7	475.2	475.2	476.2	476.2	473.2	472.2
7.5°	476.7	475.7	473.7	476.2	474.7	474.7	471.2	468.7	467.7	469.7	467.7
10°	468.2	468.7	470.7	471.7	470.7	473.7	467.7	464.2	460.8	459.3	459.3
12.5°	464.2	467.2	464.2	466.7	470.2	467.7	464.2	461.8	456.8	454.8	454.8
15°	463.7	465.7	466.7	470.2	468.7	469.7	462.7	459.8	452.3	448.8	447.3
17.5°	463.2	465.7	467.2	473.7	474.7	475.2	469.7	460.8	454.3	450.8	447.3
20°	468.7	469.7	472.7	479.2	483.1	490.1	480.2	470.7	456.8	452.8	451.3
22.5°	475.7	480.7	483.6	490.6	501.1	507.0	494.1	482.2	467.7	462.7	456.8
25°	498.1	497.1	502.1	516.5	524.9	529.4	519.0	501.6	482.7	476.7	477.7
27.5°	525.9	526.9	531.4	547.3	559.8	566.7	554.3	531.4	513.0	503.1	502.1
30°	562.3	561.3	566.2	587.6	610.0	620.5	598.6	571.7	553.8	540.9	543.9
32.5°	600.6	601.1	615.0	634.4	670.7	691.1	655.8	623.0	596.1	587.1	582.7
35°	657.3	659.8	670.7	700.6	740.9	767.3	728.5	689.1	658.3	641.9	643.9
37.5°	727.5	725.0	743.4	775.7	818.0	837.4	804.6	759.8	728.5	717.5	724.5
40°	802.1	804.6	814.0	843.4	890.7	903.6	854.8	830.5	803.1	797.6	806.1
42.5°	876.7	875.2	882.2	908.6	942.9	934.0	905.1	890.7	871.3	860.3	871.8
45°	931.5	929.0	941.9	959.8	972.3	955.4	942.4	937.4	927.5	915.5	926.0
47.5°	984.7	982.7	995.2	1000.1	1001.1	978.7	981.2	990.2	965.3	940.4	952.4
50°	1030.0	1026.5	1041.9	1052.9	1050.4	1014.6	1023.5	1014.6	975.8	946.4	941.9
52.5°	1105.6	1107.1	1123.5	1143.4	1137.5	1107.6	1094.7	1053.9	1004.1	977.7	962.3
55°	1153.4	1145.9	1174.3	1237.5	1244.4	1213.6	1156.4	1096.2	1021.5	989.2	985.2
56°	1108.6	1118.1	1162.8	1233.5	1269.3	1241.0	1157.9	1085.7	1003.6	959.8	956.8
57.5°	994.7	989.7	1050.4	1146.9	1244.4	1232.5	1117.1	1011.1	915.5	866.3	860.3
60°	619.0	633.4	686.7	806.1	936.4	942.4	828.0	736.9	625.5	581.7	592.1
62.5°	242.3	229.9	263.2	352.3	441.8	461.8	418.5	347.8	285.6	242.3	239.3
65°	56.2	54.7	61.7	85.1	118.9	137.8	130.9	94.0	69.2	65.7	60.7
67.5°	31.8	31.8	30.4	30.4	33.3	35.3	33.8	33.3	34.8	36.3	35.8
70°	22.4	21.9	20.9	21.4	20.4	20.4	21.9	24.4	26.4	26.4	26.9
72.5°	13.4	13.4	13.4	14.9	14.9	14.9	16.4	18.4	18.9	18.4	17.9
75°	6.0	6.0	7.0	8.5	9.5	10.0	11.4	12.4	13.4	12.4	11.4
77.5°	1.5	1.5	2.5	3.5	4.5	5.5	7.5	9.0	9.5	9.0	7.5
80°	0.5	0.5	1.0	2.5	4.5	5.5	7.5	8.0	8.5	7.5	6.0
82.5°	0.5	0.5	1.0	2.5	3.5	4.5	6.0	7.0	7.5	6.5	6.0
85°	0.0	0.5	1.0	2.0	3.0	4.0	4.0	3.0	2.5	1.5	2.0
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)