

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: P526221

Luminaire Tested: **GALN-SA1A-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2526 lumens
Efficiency: N/A
Efficacy: 76.5 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): 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



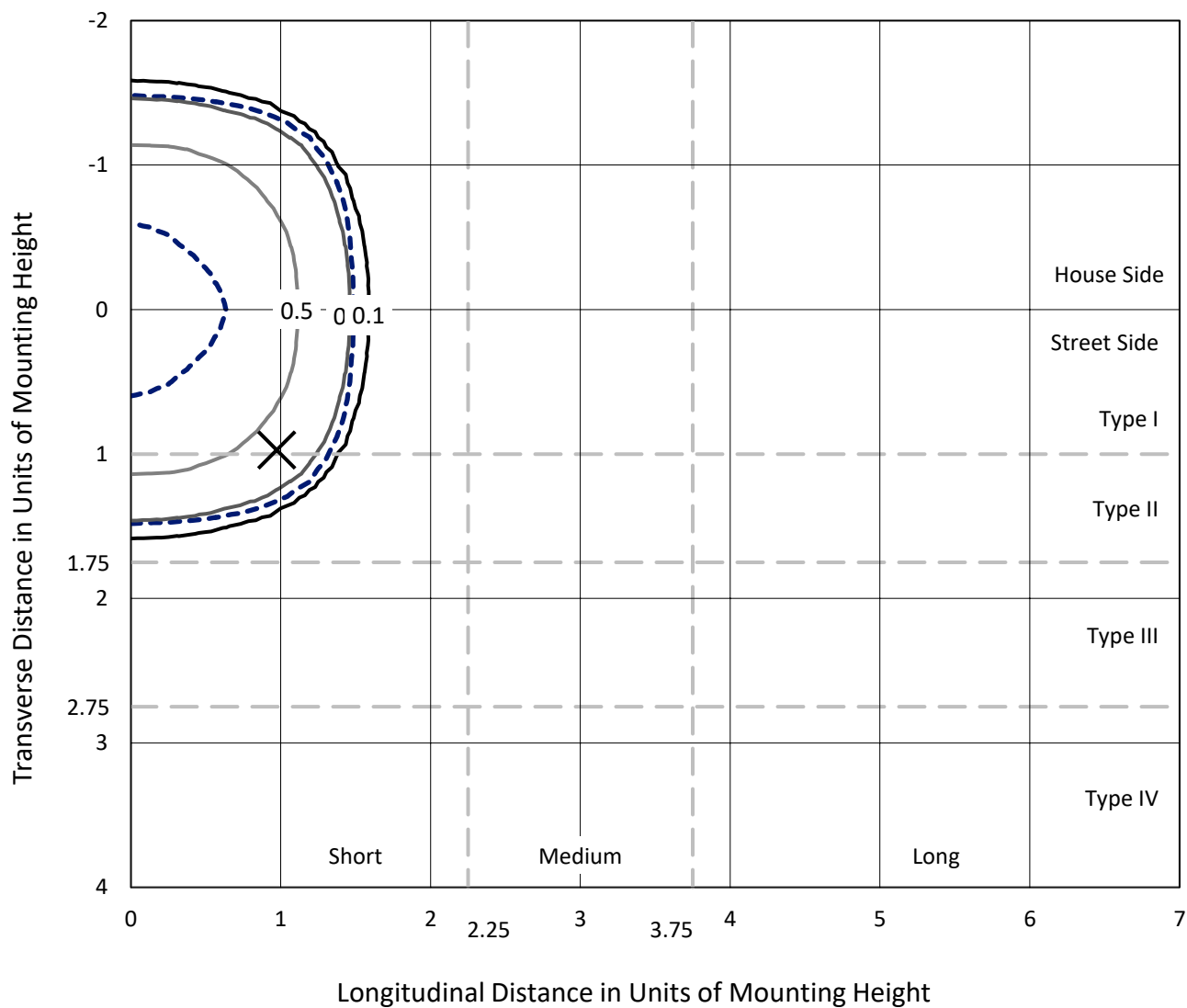
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

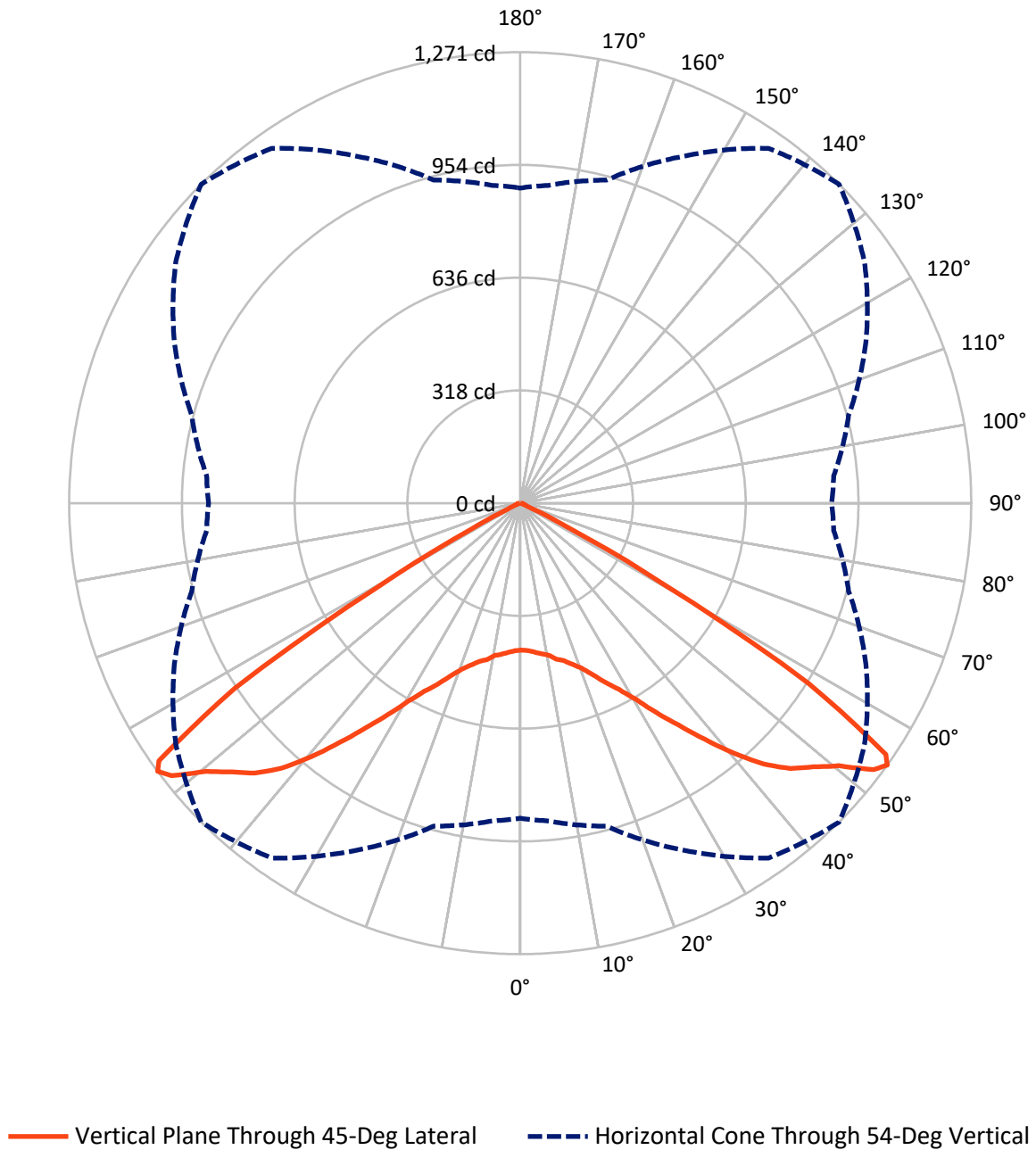
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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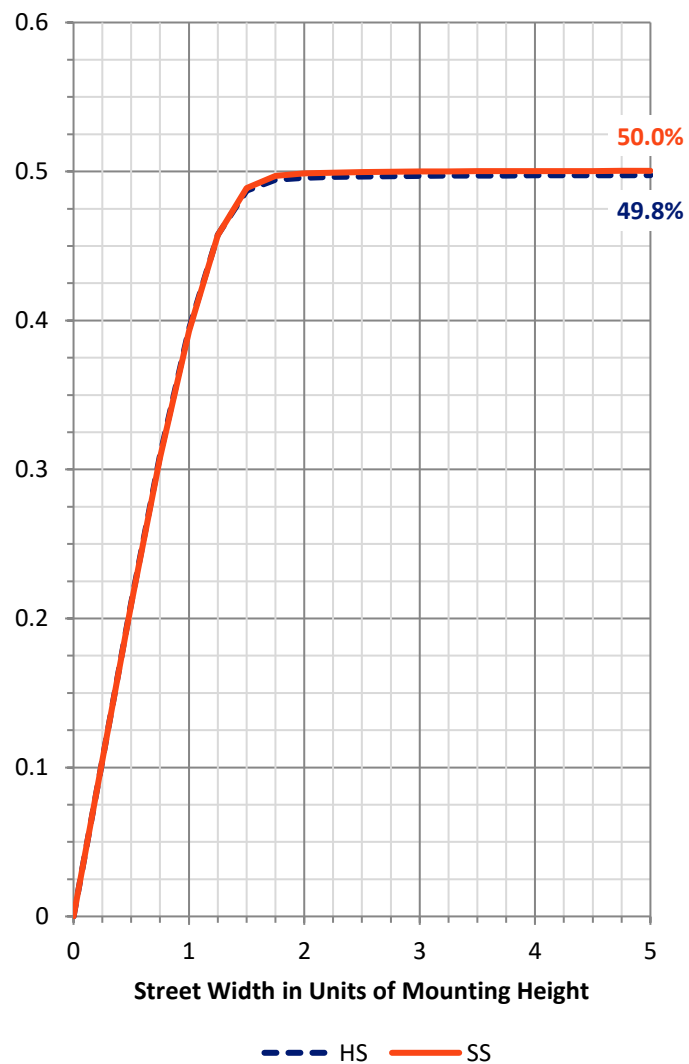
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1263.0	0.0	1263.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1263.0	0.0	1263.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2526.0	0.0	2526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.6
10°-20°	131.3	5.2
20°-30°	257.3	10.2
30°-40°	462.7	18.3
40°-50°	792.0	31.4
50°-60°	766.4	30.3
60°-70°	65.6	2.6
70°-80°	7.8	0.3
80°-90°	2.4	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°	2526.0	100.0
0°-180°	2526.0	100.0

Coefficient of Utilization



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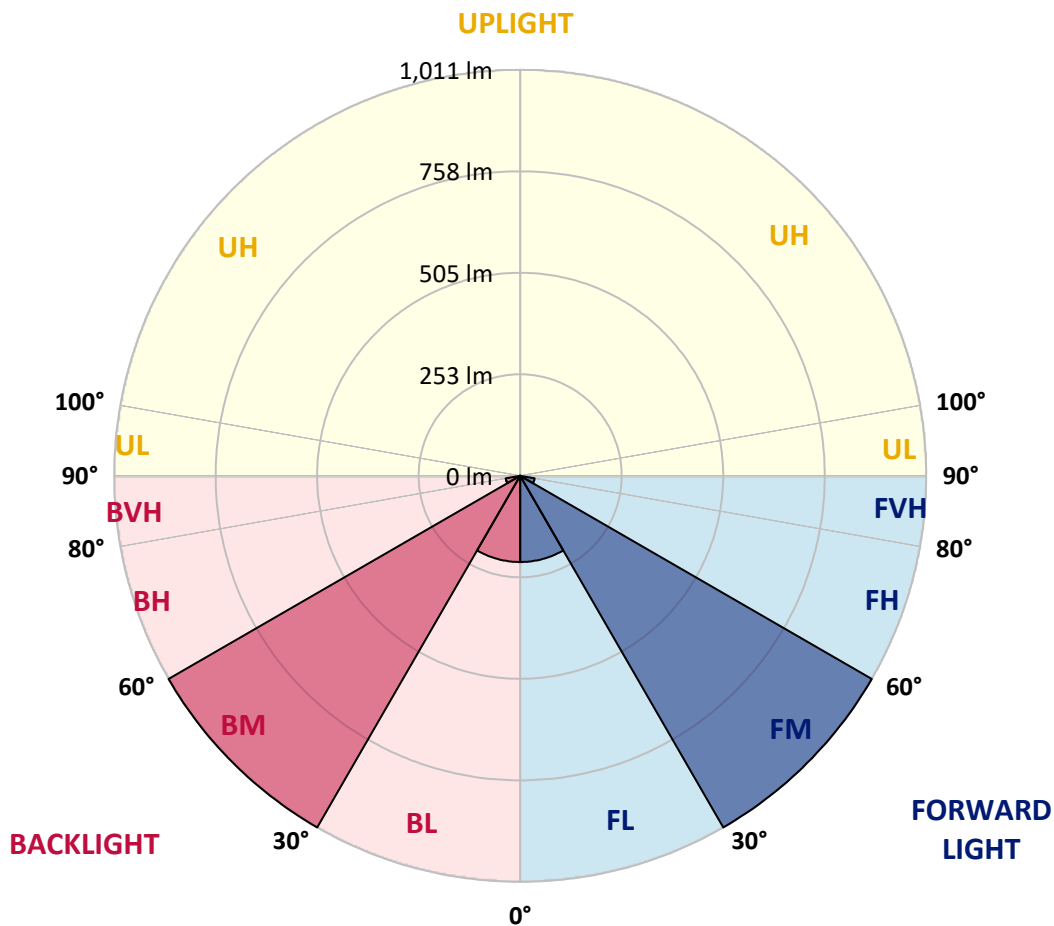
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.6	8.5			
FM	(30°-60°)	1010.5	40.0			
FH	(60°-80°)	36.7	1.5			G0/660
FVH	(80°-90°)	1.2	0.0			G0/10
BL	(0°-30°)	214.6	8.5	B1/500		
BM	(30°-60°)	1010.5	40.0	B2/2500		
BH	(60°-80°)	36.7	1.5	B0/110		G0/660
BVH	(80°-90°)	1.2	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°	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2	414.2
2.5°	416.2	418.6	417.0	418.2	418.2	416.2	417.4	412.6	415.8	413.4	413.8
5°	422.6	422.2	422.2	422.6	421.0	421.8	420.2	418.6	417.4	415.8	420.6
7.5°	430.6	430.6	427.8	428.6	427.8	429.0	425.8	422.6	421.4	420.2	419.4
10°	438.2	437.4	436.2	439.8	437.0	435.4	433.8	431.8	427.4	425.8	424.2
12.5°	449.4	449.0	447.4	451.0	449.4	451.0	445.0	439.8	439.0	433.8	436.6
15°	462.6	466.2	463.4	463.4	462.6	460.6	458.2	455.8	448.6	446.6	447.0
17.5°	479.8	478.6	479.0	479.0	483.0	477.8	473.0	467.0	463.4	462.2	458.2
20°	496.2	497.8	497.4	500.2	502.6	497.0	491.8	491.0	481.0	482.6	477.0
22.5°	525.0	523.8	525.8	527.8	526.2	525.4	520.6	514.6	505.8	501.8	501.0
25°	555.4	553.4	549.8	554.6	557.0	560.7	551.4	548.2	534.6	528.6	529.0
27.5°	581.5	584.3	588.3	590.3	596.3	595.1	588.7	578.3	567.9	561.1	556.6
30°	617.1	618.7	625.5	628.3	638.7	641.5	631.5	619.5	601.1	592.3	587.1
32.5°	649.9	661.1	660.7	674.7	691.5	703.1	685.1	666.7	648.3	637.9	628.7
35°	703.1	701.1	712.7	727.5	754.7	767.9	748.3	727.1	699.1	682.3	675.1
37.5°	752.7	753.5	769.1	792.8	824.0	844.4	827.2	792.4	763.5	741.9	731.9
40°	824.8	826.4	842.4	869.2	904.4	926.4	906.4	871.2	832.8	816.0	816.0
42.5°	909.2	916.0	926.4	949.6	981.2	1005.6	987.6	960.0	921.2	899.6	902.8
45°	996.0	999.2	1006.1	1040.5	1055.3	1067.3	1050.5	1037.7	1011.7	985.2	980.8
47.5°	1077.3	1078.5	1098.5	1109.3	1120.9	1110.9	1121.7	1104.9	1075.7	1050.1	1044.9
50°	1113.3	1111.3	1139.7	1172.5	1181.3	1163.7	1154.5	1143.3	1098.9	1068.1	1054.5
52.5°	1008.5	1020.1	1072.9	1164.1	1233.0	1247.8	1194.1	1142.5	1059.7	999.6	990.4
54°	888.4	899.2	942.8	1078.1	1221.3	1271.4	1184.9	1075.3	958.4	887.2	878.0
55°	769.5	757.5	836.8	974.8	1166.9	1250.6	1148.5	988.4	854.8	789.6	776.7
57.5°	416.6	418.6	485.4	615.9	820.0	958.8	846.8	668.7	505.0	431.8	425.4
60°	132.1	135.3	164.5	248.9	391.8	467.8	401.0	268.5	185.7	148.9	142.9
62.5°	41.2	42.8	46.8	69.6	107.2	153.3	120.1	72.0	53.6	49.2	50.0
65°	25.2	25.2	25.6	27.2	32.0	37.2	36.0	31.6	30.4	29.6	29.2
67.5°	16.4	16.0	16.8	18.0	18.8	19.2	20.4	21.6	21.2	20.4	20.4
70°	10.0	9.6	10.4	12.0	12.4	13.2	14.4	16.0	15.6	14.8	15.2
72.5°	5.6	5.6	6.0	7.2	8.4	9.2	10.4	11.6	12.0	11.6	11.6
75°	2.0	2.4	3.2	4.4	5.2	6.4	7.6	8.8	10.0	9.2	8.8
77.5°	0.8	0.8	1.6	2.8	4.0	5.2	7.2	8.4	9.2	8.4	7.6
80°	0.4	0.4	1.2	2.4	3.6	4.8	6.0	7.2	7.6	6.8	6.0
82.5°	0.4	0.4	1.2	2.4	3.6	4.4	6.4	7.2	8.0	7.2	6.0
85°	0.0	0.4	1.2	2.4	3.2	3.6	3.6	2.4	2.0	1.2	1.2
87.5°	0.0	0.0	0.4	0.0	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)