

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: P526455

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526455
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-SA1B-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 3143 lumens
Efficiency: N/A
Efficacy: 71.4 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

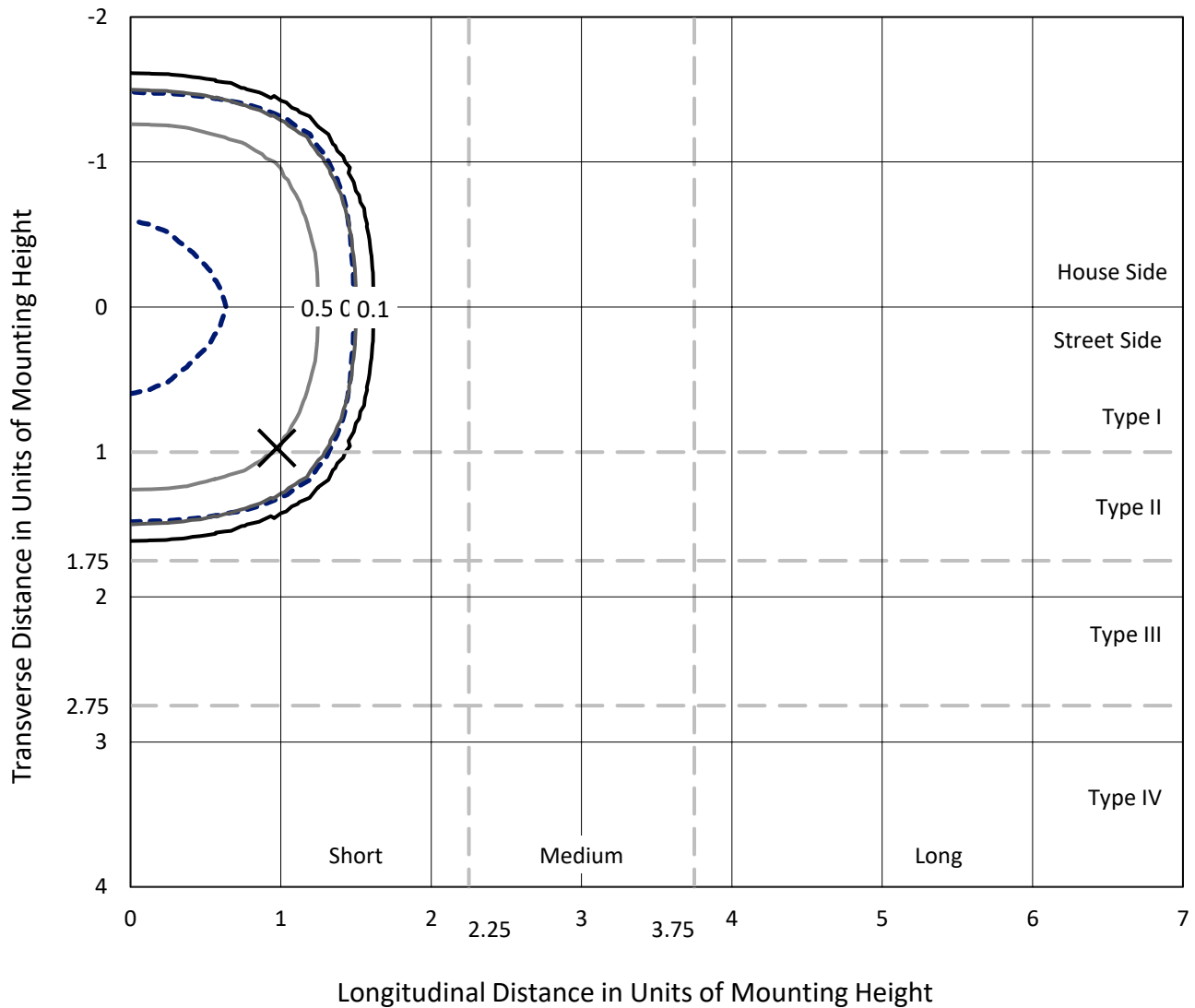


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

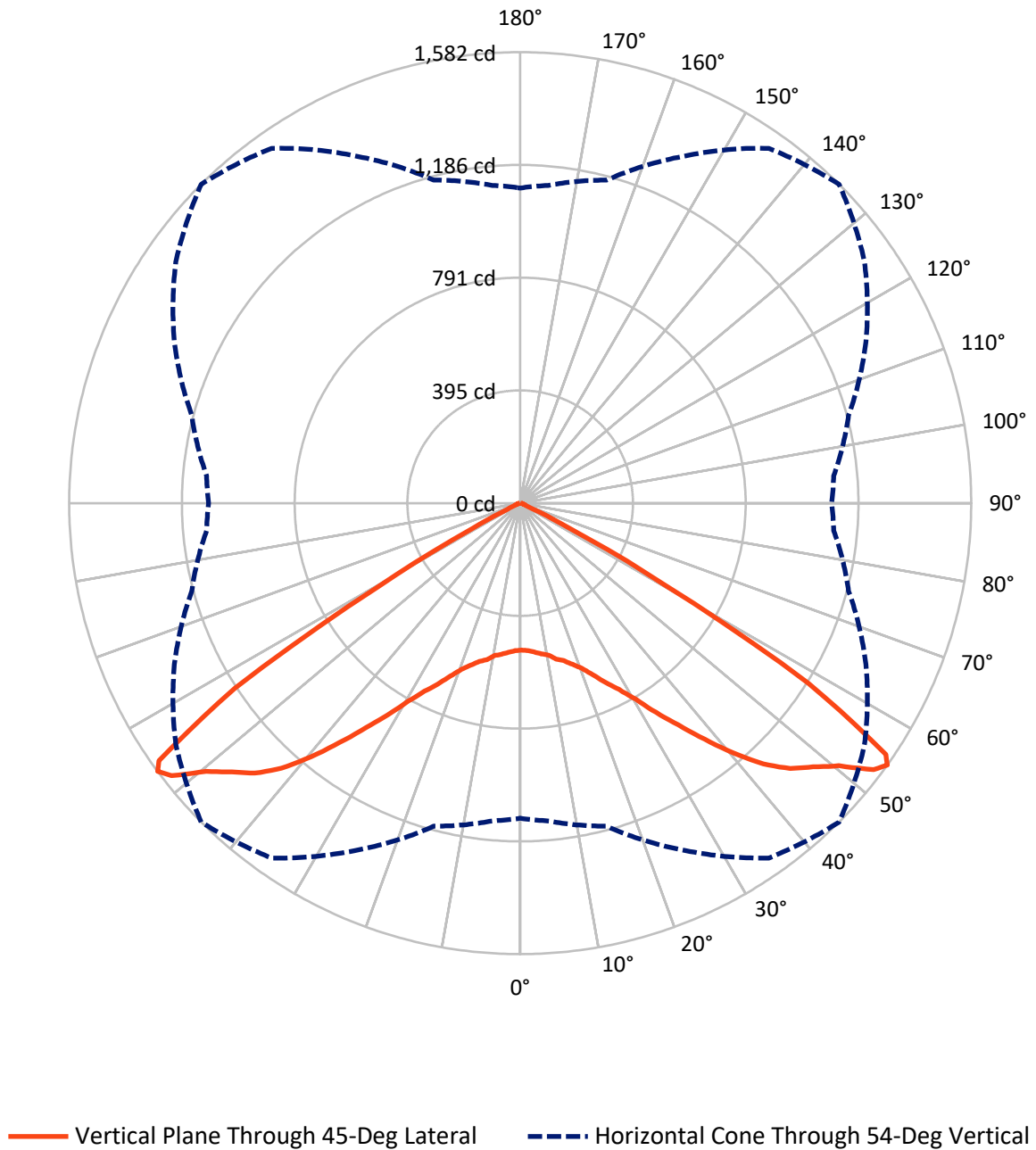


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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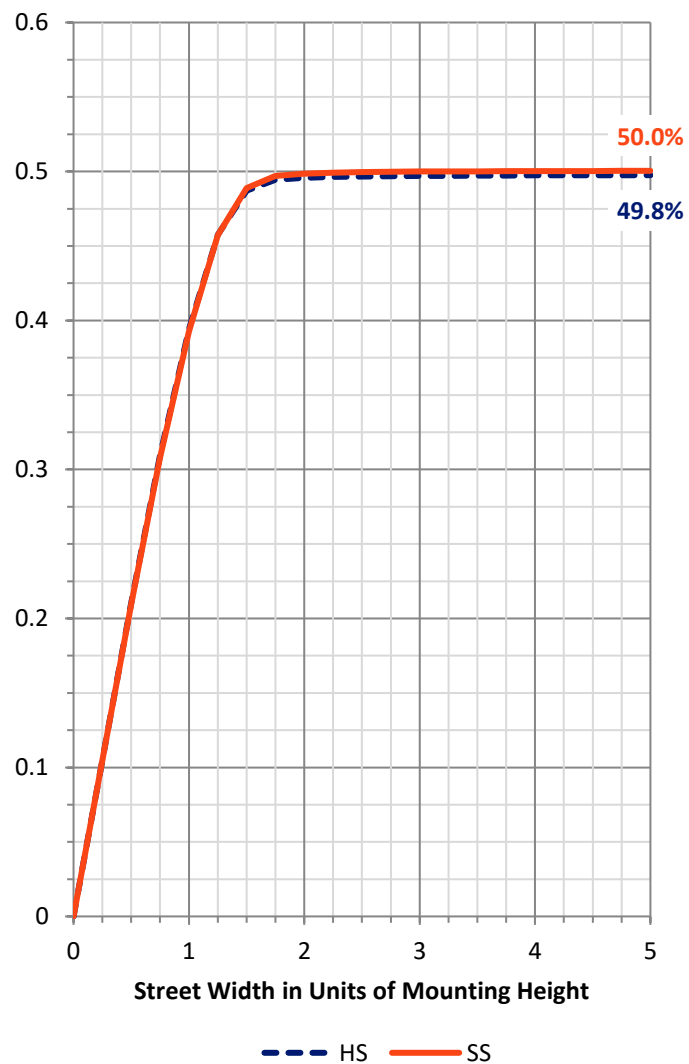
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1571.5	0.0	1571.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1571.5	0.0	1571.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3143.0	0.0	3143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.6
10°-20°	163.3	5.2
20°-30°	320.2	10.2
30°-40°	575.7	18.3
40°-50°	985.5	31.4
50°-60°	953.5	30.3
60°-70°	81.6	2.6
70°-80°	9.7	0.3
80°-90°	3.0	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°	3143.0	100.0
0°-180°	3143.0	100.0

Coefficient of Utilization



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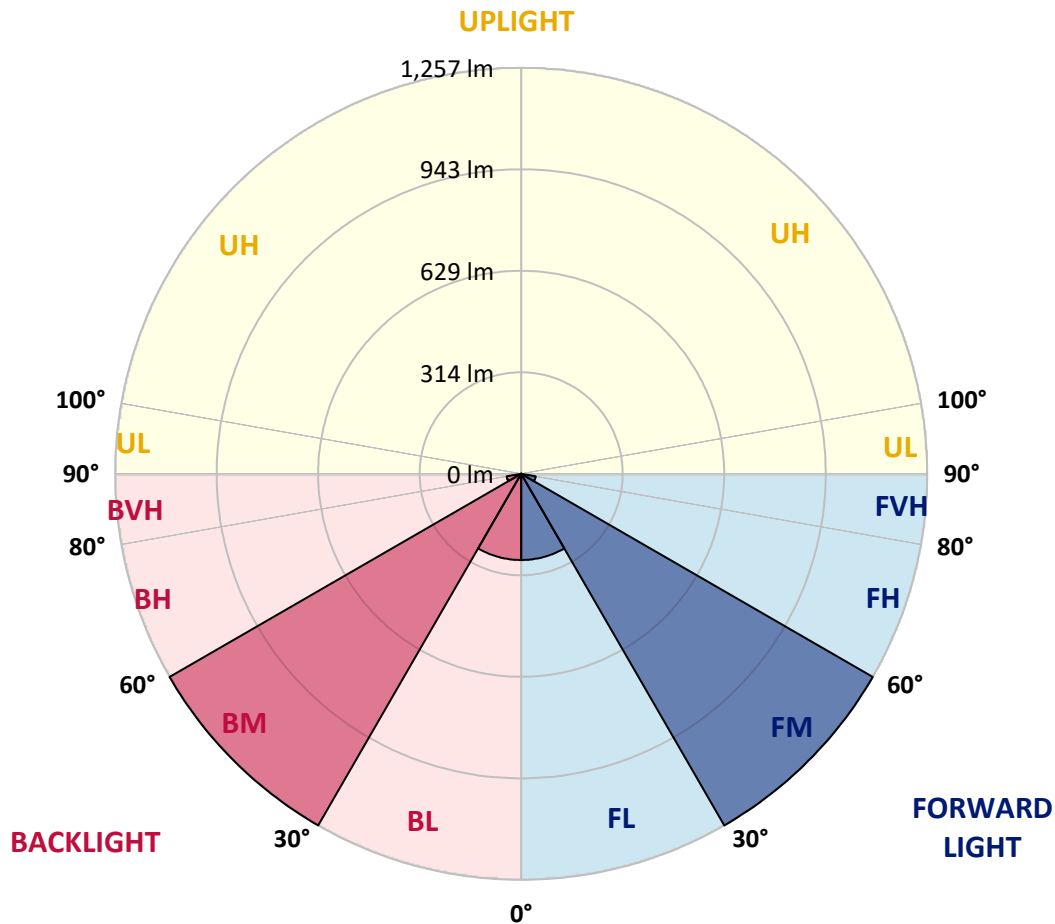
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.0	8.5			
FM	(30°-60°)	1257.4	40.0			
FH	(60°-80°)	45.7	1.5			G0/660
FVH	(80°-90°)	1.5	0.0			G0/10
BL	(0°-30°)	267.0	8.5	B1/500		
BM	(30°-60°)	1257.4	40.0	B2/2500		
BH	(60°-80°)	45.7	1.5	B0/110		G0/660
BVH	(80°-90°)	1.5	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°	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4	515.4
2.5°	517.8	520.8	518.8	520.3	520.3	517.8	519.3	513.4	517.3	514.4	514.9
5°	525.8	525.3	525.3	525.8	523.8	524.8	522.8	520.8	519.3	517.3	523.3
7.5°	535.8	535.8	532.3	533.3	532.3	533.8	529.8	525.8	524.3	522.8	521.8
10°	545.2	544.2	542.7	547.2	543.7	541.7	539.8	537.3	531.8	529.8	527.8
12.5°	559.2	558.7	556.7	561.2	559.2	561.2	553.7	547.2	546.2	539.8	543.2
15°	575.6	580.1	576.6	576.6	575.6	573.1	570.1	567.1	558.2	555.7	556.2
17.5°	597.0	595.5	596.0	596.0	601.0	594.5	588.5	581.1	576.6	575.1	570.1
20°	617.4	619.4	618.9	622.4	625.4	618.4	612.0	611.0	598.5	600.5	593.5
22.5°	653.3	651.8	654.3	656.8	654.8	653.8	647.8	640.3	629.4	624.4	623.4
25°	691.1	688.6	684.2	690.1	693.1	697.6	686.1	682.2	665.2	657.8	658.3
27.5°	723.5	727.0	732.0	734.4	741.9	740.4	732.5	719.5	706.6	698.1	692.6
30°	767.8	769.8	778.3	781.7	794.7	798.2	785.7	770.8	747.9	736.9	730.5
32.5°	808.6	822.6	822.1	839.5	860.4	874.9	852.5	829.5	806.6	793.7	782.2
35°	874.9	872.4	886.8	905.2	939.1	955.5	931.1	904.7	869.9	849.0	840.0
37.5°	936.6	937.6	957.0	986.4	1025.2	1050.6	1029.2	985.9	950.0	923.2	910.7
40°	1026.2	1028.2	1048.1	1081.5	1125.3	1152.7	1127.8	1084.0	1036.2	1015.3	1015.3
42.5°	1131.3	1139.8	1152.7	1181.6	1220.9	1251.3	1228.9	1194.5	1146.2	1119.3	1123.3
45°	1239.3	1243.3	1251.8	1294.6	1313.0	1328.0	1307.1	1291.1	1258.8	1225.9	1220.4
47.5°	1340.4	1341.9	1366.8	1380.3	1394.7	1382.2	1395.7	1374.8	1338.4	1306.6	1300.1
50°	1385.2	1382.7	1418.1	1458.9	1469.9	1448.0	1436.5	1422.6	1367.3	1329.0	1312.0
52.5°	1254.8	1269.2	1334.9	1448.5	1534.1	1552.5	1485.8	1421.6	1318.5	1243.8	1232.4
54°	1105.4	1118.8	1173.1	1341.4	1519.7	1581.9	1474.4	1337.9	1192.5	1103.9	1092.5
55°	957.5	942.6	1041.2	1212.9	1452.0	1556.0	1429.0	1229.9	1063.6	982.4	966.5
57.5°	518.3	520.8	604.0	766.3	1020.3	1193.0	1053.6	832.0	628.4	537.3	529.3
60°	164.3	168.3	204.6	309.7	487.5	582.1	498.9	334.1	231.0	185.2	177.8
62.5°	51.3	53.3	58.3	86.6	133.4	190.7	149.4	89.6	66.7	61.2	62.2
65°	31.4	31.4	31.9	33.9	39.8	46.3	44.8	39.3	37.8	36.8	36.3
67.5°	20.4	19.9	20.9	22.4	23.4	23.9	25.4	26.9	26.4	25.4	25.4
70°	12.4	12.0	12.9	14.9	15.4	16.4	17.9	19.9	19.4	18.4	18.9
72.5°	7.0	7.0	7.5	9.0	10.5	11.5	12.9	14.4	14.9	14.4	14.4
75°	2.5	3.0	4.0	5.5	6.5	8.0	9.5	11.0	12.4	11.5	11.0
77.5°	1.0	1.0	2.0	3.5	5.0	6.5	9.0	10.5	11.5	10.5	9.5
80°	0.5	0.5	1.5	3.0	4.5	6.0	7.5	9.0	9.5	8.5	7.5
82.5°	0.5	0.5	1.5	3.0	4.5	5.5	8.0	9.0	10.0	9.0	7.5
85°	0.0	0.5	1.5	3.0	4.0	4.5	4.5	3.0	2.5	1.5	1.5
87.5°	0.0	0.0	0.5	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)