

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: P526124

Luminaire Tested: **GALN-SA1A-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054 lumens
Efficiency: N/A
Efficacy: 122.8 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

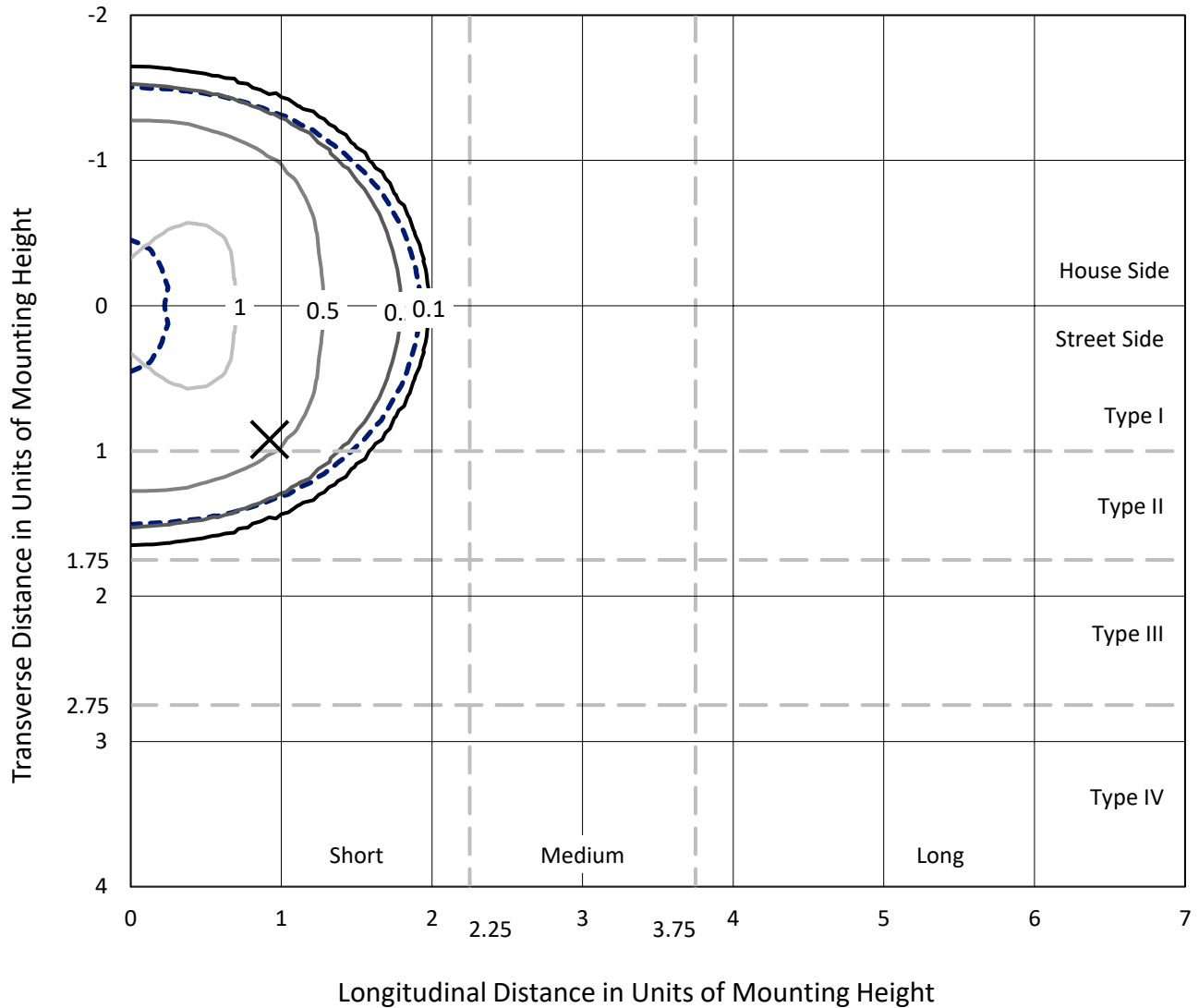
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

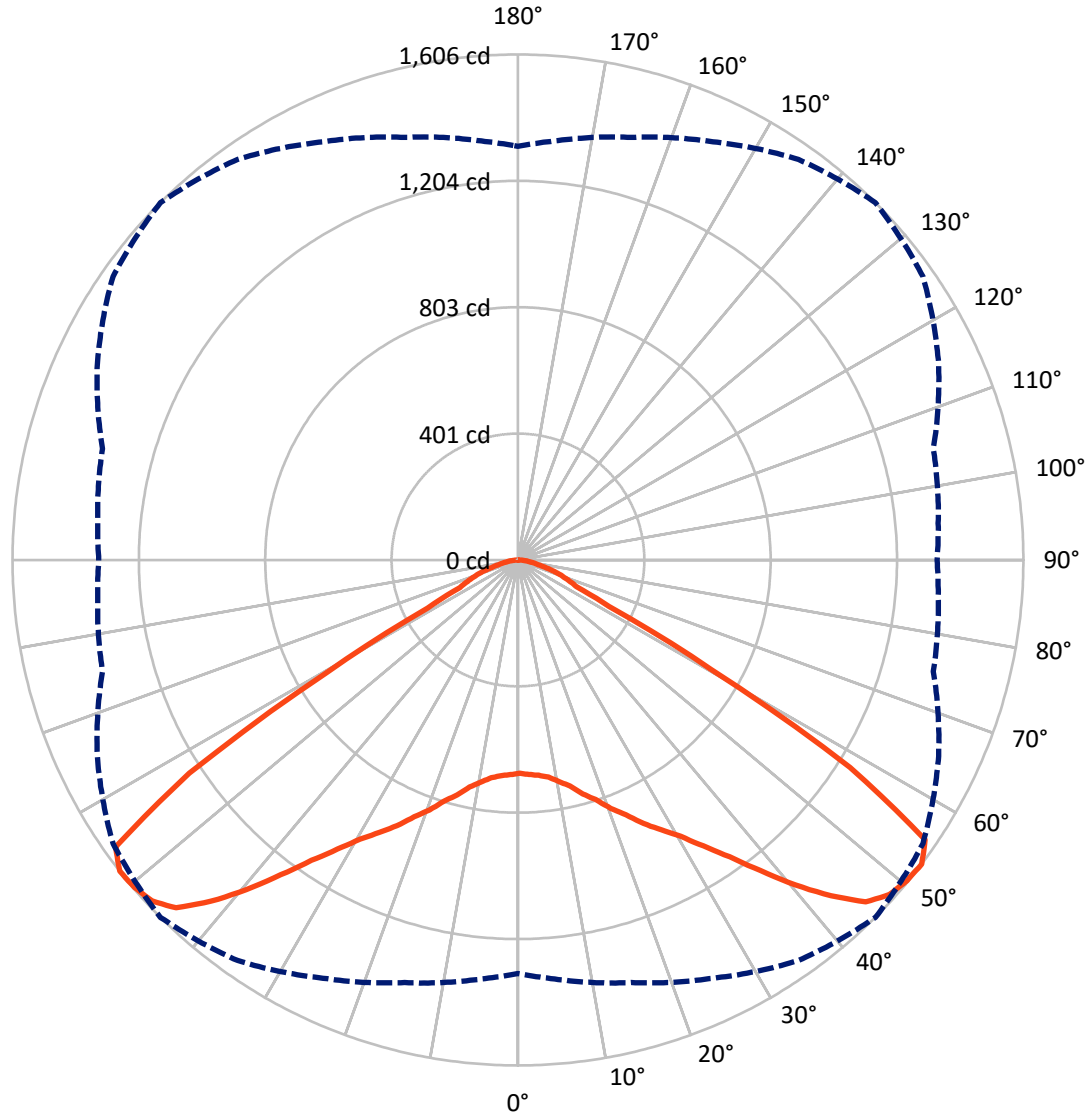
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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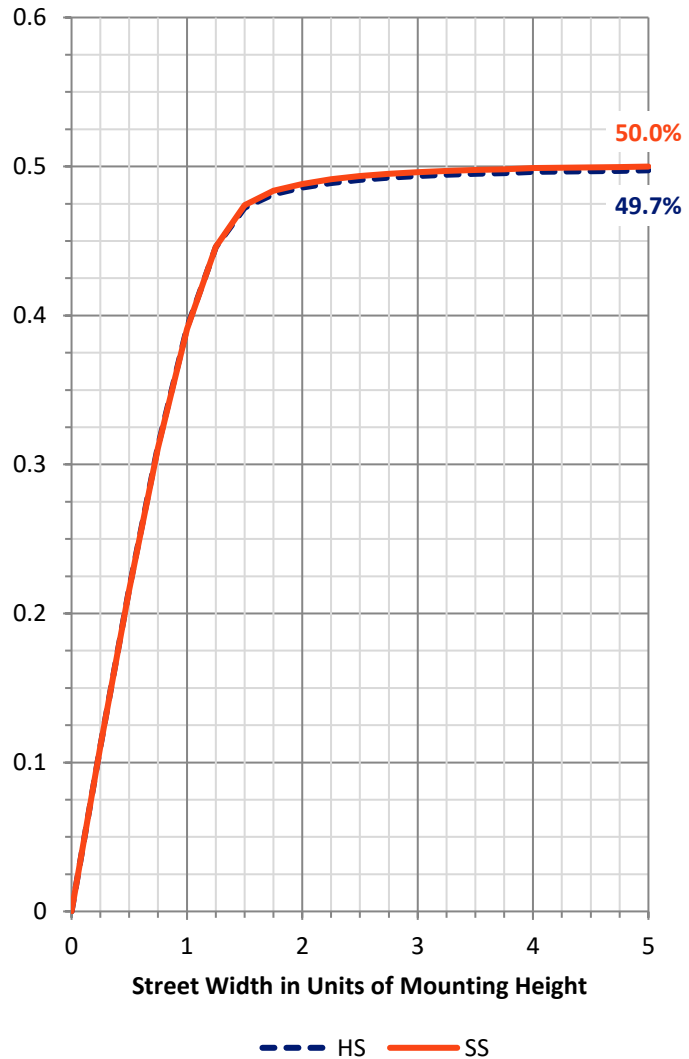
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2027.0	0.0	2027.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2027.0	0.0	2027.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4054.0	0.0	4054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.6
10°-20°	218.8	5.4
20°-30°	416.5	10.3
30°-40°	715.2	17.6
40°-50°	1099.3	27.1
50°-60°	1116.3	27.5
60°-70°	311.1	7.7
70°-80°	91.8	2.3
80°-90°	18.5	0.5
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°	4054.0	100.0
0°-180°	4054.0	100.0

Coefficient of Utilization



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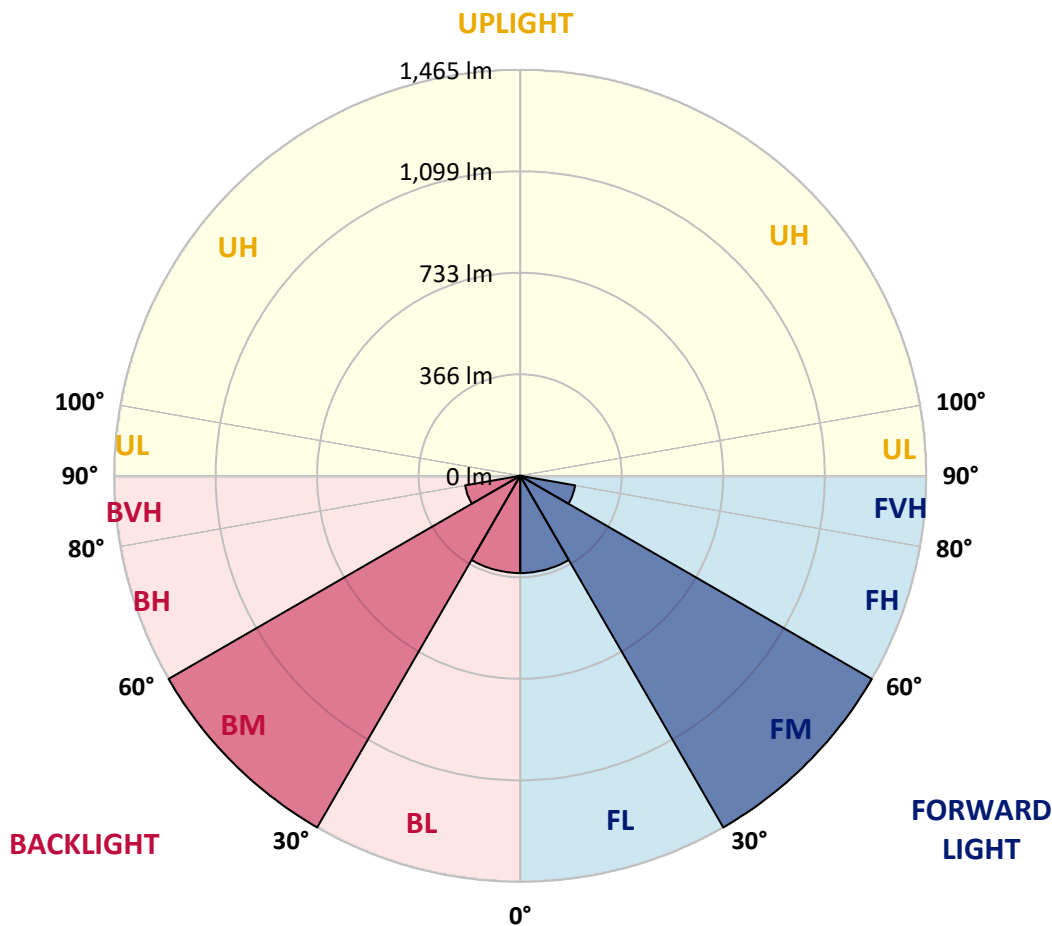
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.9	8.7			
FM (30°-60°)	1465.4	36.1			
FH (60°-80°)	201.4	5.0			G0/660
FVH (80°-90°)	9.2	0.2			G0/10
BL (0°-30°)	350.9	8.7	B1/500		
BM (30°-60°)	1465.4	36.1	B2/2500		
BH (60°-80°)	201.4	5.0	B1/500		G0/660
BVH (80°-90°)	9.2	0.2			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°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	679.2	672.1	674.7	676.2	682.7	682.2	680.7	682.7	684.7	685.2	684.2
5°	678.7	673.7	675.7	677.2	683.7	687.2	686.2	694.8	700.8	699.3	706.9
7.5°	674.7	677.7	675.2	682.7	688.2	696.8	705.9	713.9	721.4	730.0	731.5
10°	683.7	683.7	688.2	694.3	708.9	715.4	728.5	740.1	754.7	764.7	760.7
12.5°	693.3	694.8	694.8	710.4	722.5	737.0	749.1	764.7	785.3	797.4	803.5
15°	702.8	703.8	708.9	730.0	748.1	771.3	782.3	796.4	808.0	830.6	831.1
17.5°	711.4	716.9	732.0	755.7	778.3	800.4	818.0	832.6	842.7	851.8	849.7
20°	743.6	747.6	763.2	786.9	820.6	842.2	848.2	850.7	857.3	875.4	869.9
22.5°	774.8	776.3	790.9	827.1	850.7	879.4	886.0	884.5	887.0	891.5	899.5
25°	807.0	809.5	829.6	860.3	893.5	927.7	933.3	921.7	918.2	923.2	923.7
27.5°	848.2	848.7	874.4	901.1	938.8	971.0	979.5	970.5	953.9	957.9	964.4
30°	900.6	897.0	922.7	960.9	1000.7	1018.8	1033.4	1028.8	1010.7	1007.2	1001.7
32.5°	960.9	961.9	985.1	1026.8	1053.0	1083.2	1098.8	1091.2	1079.7	1073.6	1077.1
35°	1046.0	1050.5	1066.1	1100.8	1143.0	1158.1	1182.8	1166.7	1136.5	1144.1	1150.6
37.5°	1115.9	1129.0	1158.1	1199.4	1224.6	1252.2	1261.3	1239.6	1217.5	1208.5	1230.1
40°	1223.0	1219.0	1251.2	1292.5	1329.7	1357.4	1345.8	1324.2	1269.3	1269.8	1275.9
42.5°	1315.1	1317.1	1341.8	1391.1	1441.9	1459.0	1422.3	1369.4	1308.6	1302.0	1315.1
45°	1392.6	1400.6	1414.7	1480.6	1530.4	1549.1	1481.1	1418.8	1337.2	1310.1	1331.7
47.5°	1420.3	1433.3	1464.0	1524.4	1573.7	1588.8	1534.5	1444.9	1363.9	1319.6	1331.2
50°	1424.3	1419.8	1470.1	1525.4	1568.7	1601.4	1553.6	1464.0	1357.4	1334.2	1330.7
52.5°	1314.1	1336.2	1390.1	1466.0	1553.6	1605.9	1570.7	1474.6	1366.4	1340.3	1331.7
55°	1063.6	1037.4	1135.5	1263.3	1424.3	1569.7	1564.6	1480.1	1372.0	1350.3	1338.8
57.5°	593.7	601.2	656.5	795.4	1003.2	1244.7	1391.1	1421.8	1369.4	1356.9	1362.9
60°	274.7	277.2	300.9	365.8	494.6	705.9	898.5	1094.2	1184.3	1202.4	1202.4
62.5°	204.8	203.8	209.8	221.4	248.5	324.5	433.2	588.6	712.4	798.9	821.6
65°	185.1	184.6	187.7	191.7	193.7	204.3	228.4	276.2	316.5	339.6	335.6
67.5°	162.0	161.5	162.5	165.0	168.5	174.1	180.1	190.2	204.3	203.3	200.7
70°	130.8	130.8	132.3	134.3	138.4	144.9	151.9	159.0	171.1	173.6	173.1
72.5°	96.6	95.1	98.1	102.1	106.2	114.2	121.8	128.3	136.8	139.4	138.4
75°	61.4	62.4	64.4	68.9	76.0	81.5	89.6	95.1	100.6	102.6	103.1
77.5°	34.2	35.2	38.7	44.3	51.3	57.4	64.4	68.9	72.4	72.9	73.5
80°	20.6	21.1	24.7	29.7	35.7	42.3	47.8	52.3	55.3	53.8	53.3
82.5°	12.6	13.1	16.1	20.6	25.7	30.7	36.7	40.8	43.8	41.8	39.7
85°	6.5	7.0	9.6	12.6	16.6	19.1	19.1	17.1	16.6	15.6	15.1
87.5°	2.0	2.0	2.5	3.0	2.5	3.0	3.5	4.0	4.0	4.5	4.0
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)