

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: P652163

Luminaire Tested: **GALN-SA1B-840-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-840-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4995.6 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

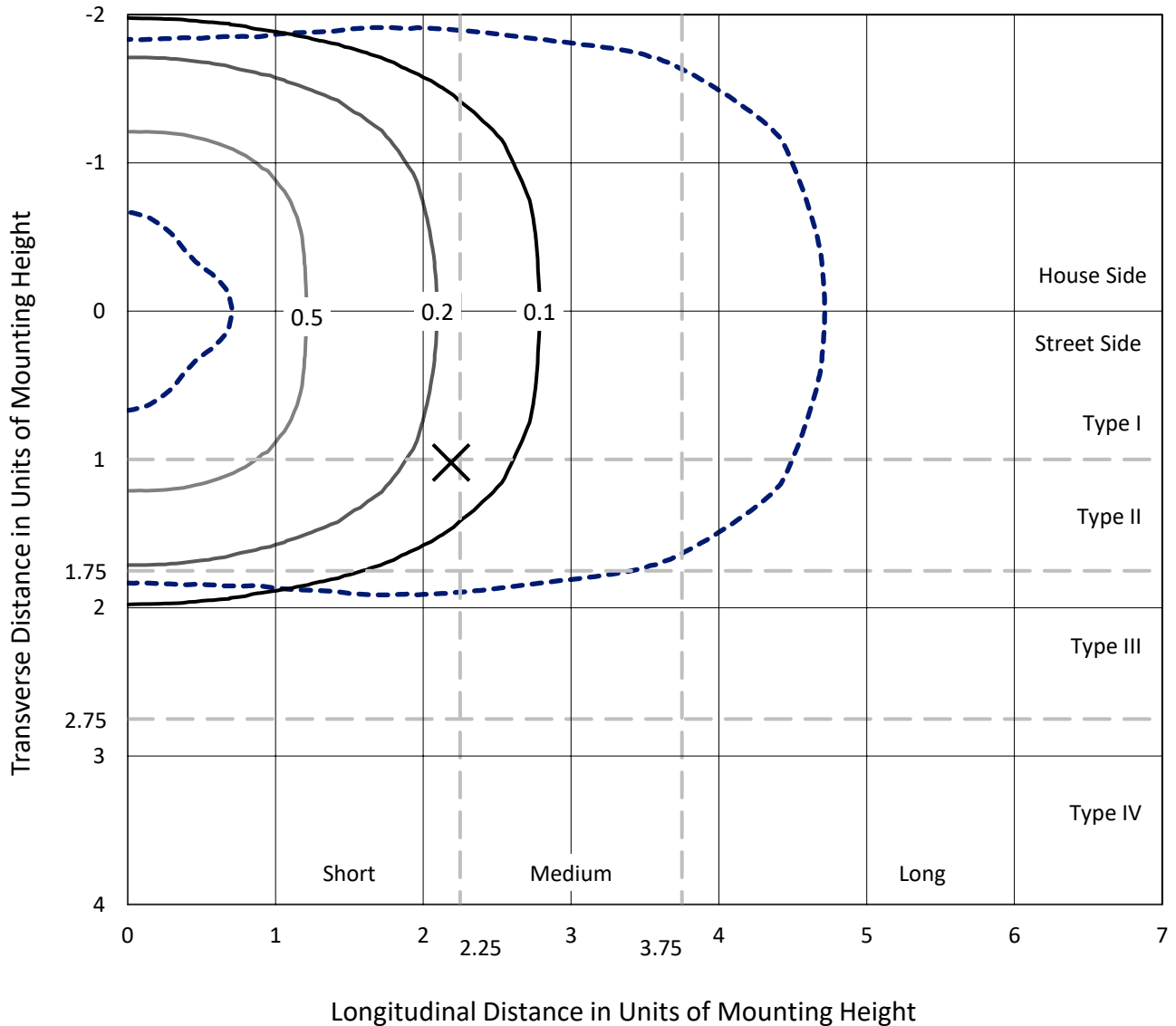
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

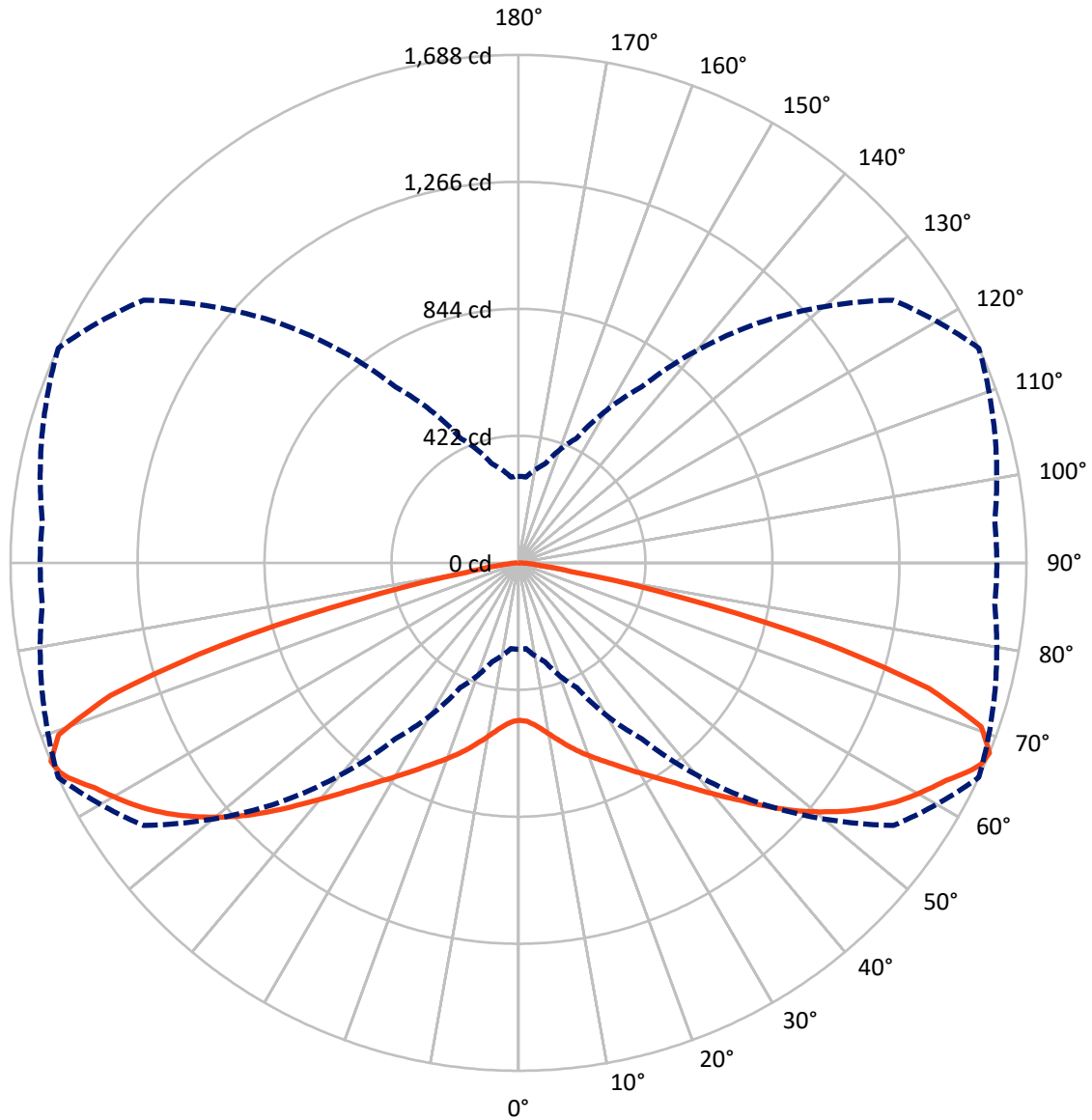
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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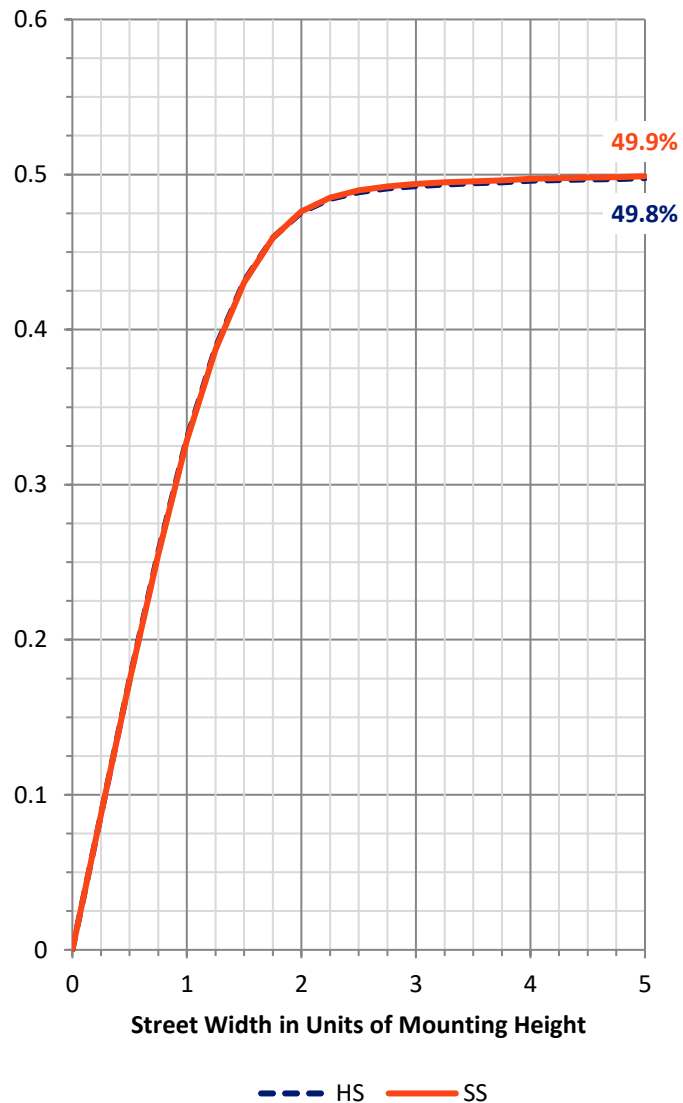
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2497.8	0.0	2497.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2497.8	0.0	2497.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4995.6	0.0	4995.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.0
10°-20°	172.7	3.5
20°-30°	337.8	6.8
30°-40°	574.6	11.5
40°-50°	909.5	18.2
50°-60°	1206.0	24.1
60°-70°	1137.6	22.8
70°-80°	562.4	11.3
80°-90°	43.3	0.9
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°	4995.6	100.0
0°-180°	4995.6	100.0

Coefficient of Utilization

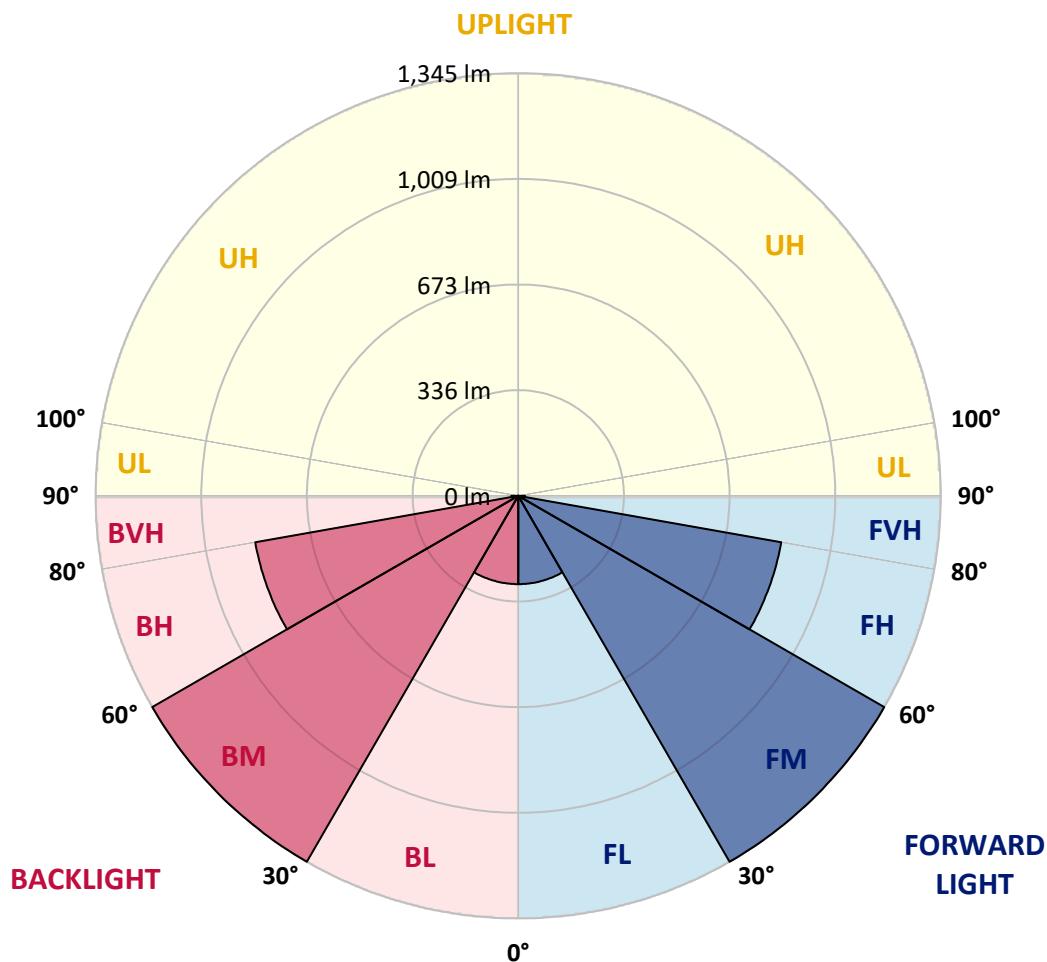


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.1	5.6			
FM	(30°-60°)	1345.0	26.9			
FH	(60°-80°)	850.0	17.0			G1/1800
FVH	(80°-90°)	21.7	0.4			G1/100
BL	(0°-30°)	281.1	5.6	B1/500		
BM	(30°-60°)	1345.0	26.9	B2/2500		
BH	(60°-80°)	850.0	17.0	B2/1000		G2/1000
BVH	(80°-90°)	21.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3	523.3
2.5°	520.6	521.1	521.7	522.4	523.5	525.1	526.2	527.0	529.2	529.4	529.2
5°	518.7	519.2	520.6	522.9	526.5	531.3	535.0	539.6	543.0	545.5	544.9
7.5°	518.4	519.5	521.7	526.7	533.4	541.7	550.3	558.0	564.7	570.1	569.3
10°	522.7	524.0	527.6	535.0	545.5	557.5	569.5	581.0	590.7	597.6	600.1
12.5°	529.9	531.0	537.4	548.7	563.6	578.6	592.3	606.4	619.8	631.7	631.7
15°	542.5	544.4	552.5	568.8	587.2	604.6	618.6	633.5	648.0	661.4	665.3
17.5°	559.9	562.5	574.7	595.5	619.1	635.1	648.2	660.5	673.1	686.0	687.9
20°	583.7	586.4	602.5	627.6	655.5	674.7	683.6	686.5	692.6	704.9	706.6
22.5°	616.1	618.8	636.7	665.1	696.1	717.0	720.7	713.8	712.2	721.8	722.9
25°	652.8	655.2	675.8	706.3	738.4	761.2	760.1	742.9	733.4	739.2	740.8
27.5°	694.0	697.4	718.4	749.9	784.7	804.8	801.6	776.7	756.1	755.0	755.6
30°	746.7	750.4	770.3	800.5	834.8	853.3	846.6	813.1	781.2	770.5	770.5
32.5°	802.4	811.7	831.8	863.4	890.2	903.6	893.4	853.3	811.0	796.0	795.2
35°	874.9	880.0	899.8	930.6	950.7	961.1	941.6	898.4	849.7	832.1	829.6
37.5°	945.9	950.2	973.1	1002.6	1026.9	1026.4	999.9	952.3	897.9	878.2	876.5
40°	1018.4	1022.9	1049.1	1076.2	1100.5	1098.4	1066.3	1013.0	955.2	933.0	937.3
42.5°	1081.3	1086.3	1116.1	1154.6	1176.6	1176.1	1138.8	1078.8	1018.6	998.9	1002.6
45°	1138.5	1143.1	1177.7	1221.8	1253.9	1257.9	1217.3	1153.8	1092.0	1066.6	1067.6
47.5°	1179.0	1187.5	1223.7	1274.2	1317.8	1332.1	1292.2	1230.0	1158.9	1132.4	1134.0
50°	1209.8	1215.1	1254.4	1312.0	1367.1	1396.6	1364.4	1300.8	1225.8	1197.7	1201.5
52.5°	1213.5	1219.9	1262.8	1329.1	1399.8	1444.5	1428.7	1369.8	1294.0	1265.1	1273.2
55°	1183.0	1186.7	1237.9	1318.4	1412.6	1480.1	1484.1	1434.0	1359.1	1337.1	1342.5
57.5°	1096.0	1105.7	1170.4	1268.3	1395.0	1499.1	1525.6	1492.4	1424.9	1403.2	1411.8
60°	953.4	962.9	1028.0	1152.2	1328.3	1490.3	1559.8	1544.0	1484.6	1467.2	1471.8
62.5°	747.0	746.2	826.7	979.0	1195.8	1446.9	1585.2	1593.8	1543.5	1521.5	1528.5
65°	484.2	486.6	564.5	728.6	995.9	1336.6	1590.8	1657.3	1601.3	1568.1	1573.2
66°	389.4	396.6	462.7	613.9	893.9	1264.4	1574.0	1675.9	1618.9	1578.8	1581.2
67.5°	287.5	286.1	340.4	457.2	713.8	1127.0	1521.3	1687.7	1639.0	1588.5	1589.5
70°	164.1	163.8	183.1	251.0	419.7	793.6	1282.3	1631.3	1679.7	1623.2	1620.3
72.5°	119.9	119.1	121.8	138.6	204.8	400.7	884.6	1425.7	1658.9	1617.7	1609.3
75°	100.7	100.1	99.6	101.7	114.8	181.5	469.4	1025.6	1439.4	1518.3	1509.8
77.5°	82.2	82.2	82.4	81.9	82.4	95.5	194.6	549.8	876.5	978.5	1002.3
80°	64.3	64.0	68.5	66.6	62.4	61.3	86.2	176.9	290.9	289.3	238.8
82.5°	47.3	44.2	52.2	50.9	46.0	39.1	50.3	75.4	97.1	63.2	46.8
85°	29.9	29.7	36.9	33.7	28.1	18.5	24.1	32.4	40.1	24.4	19.8
87.5°	5.4	5.0	11.8	8.6	8.6	5.4	6.7	8.8	13.1	9.1	6.7
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)