

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: P526436

Luminaire Tested: **GALN-SA1B-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526436
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-SA1B-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 3709 lumens
Efficiency: N/A
Efficacy: 84.3 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

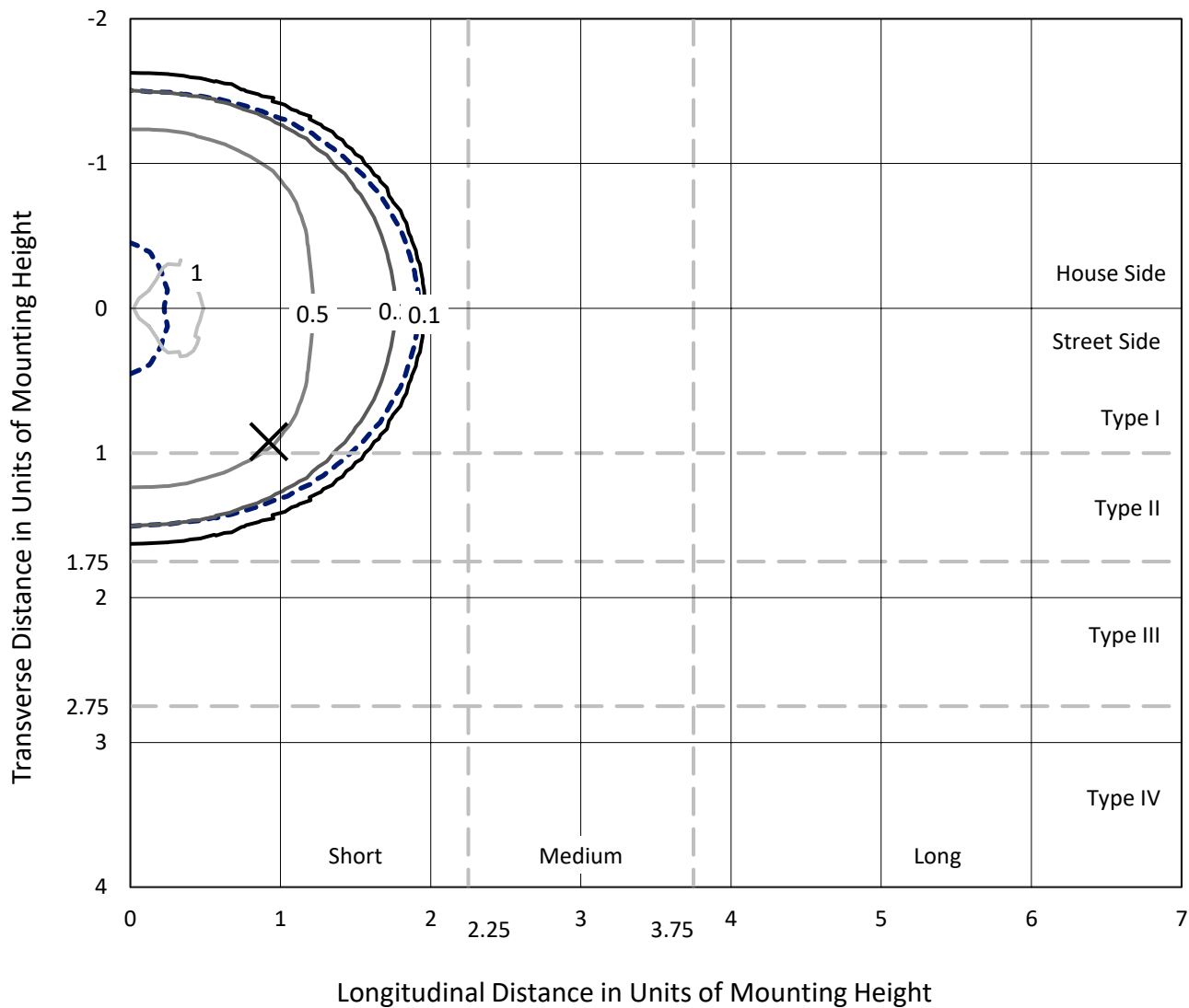
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

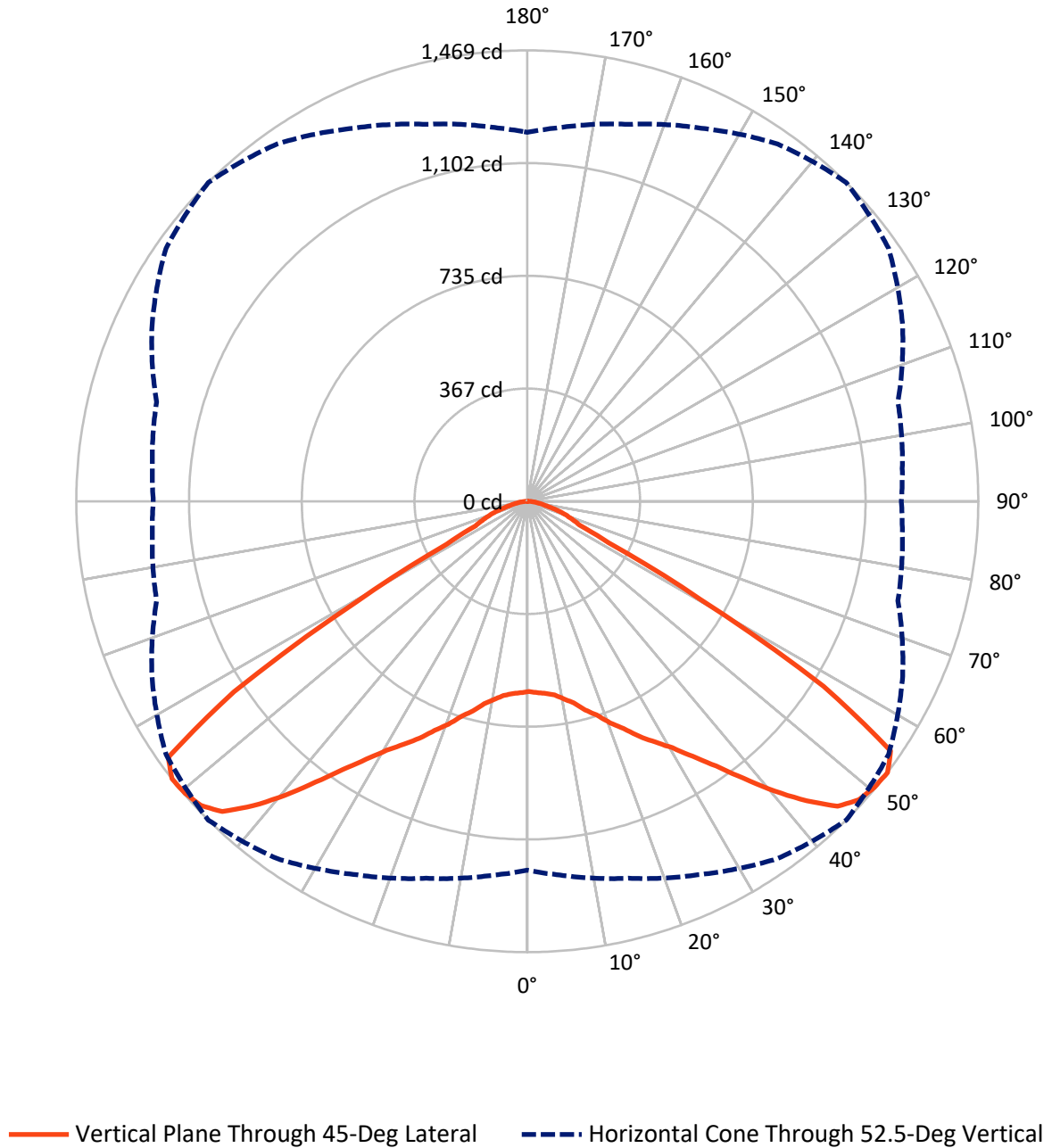
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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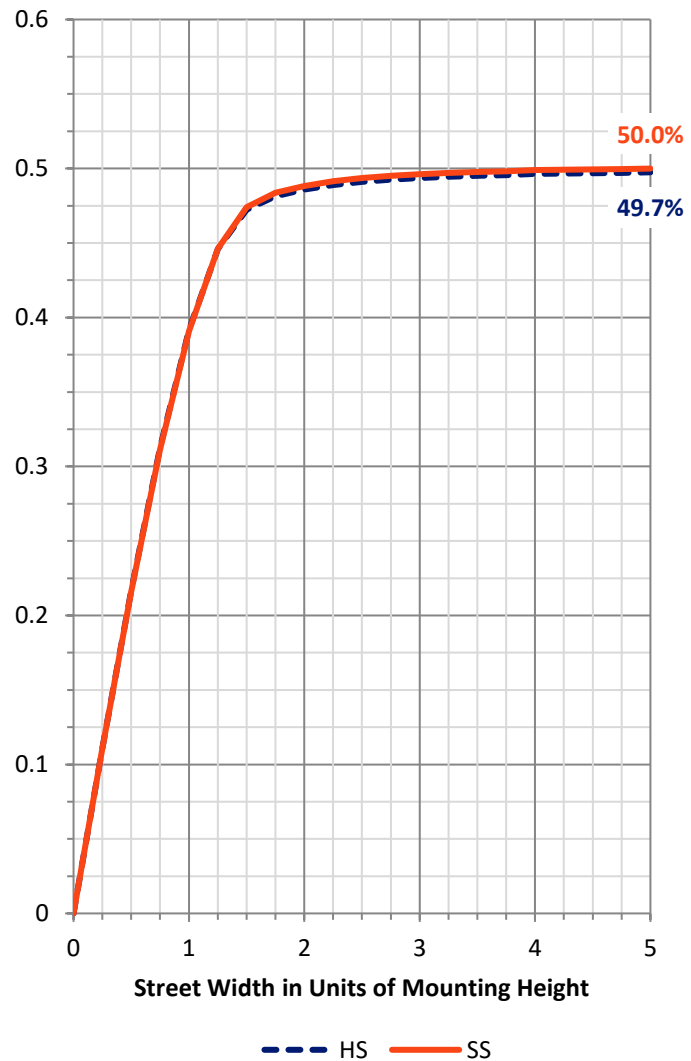
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1854.5	0.0	1854.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1854.5	0.0	1854.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3709.0	0.0	3709.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.6
10°-20°	200.2	5.4
20°-30°	381.1	10.3
30°-40°	654.3	17.6
40°-50°	1005.7	27.1
50°-60°	1021.3	27.5
60°-70°	284.6	7.7
70°-80°	84.0	2.3
80°-90°	16.9	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°	3709.0	100.0
0°-180°	3709.0	100.0

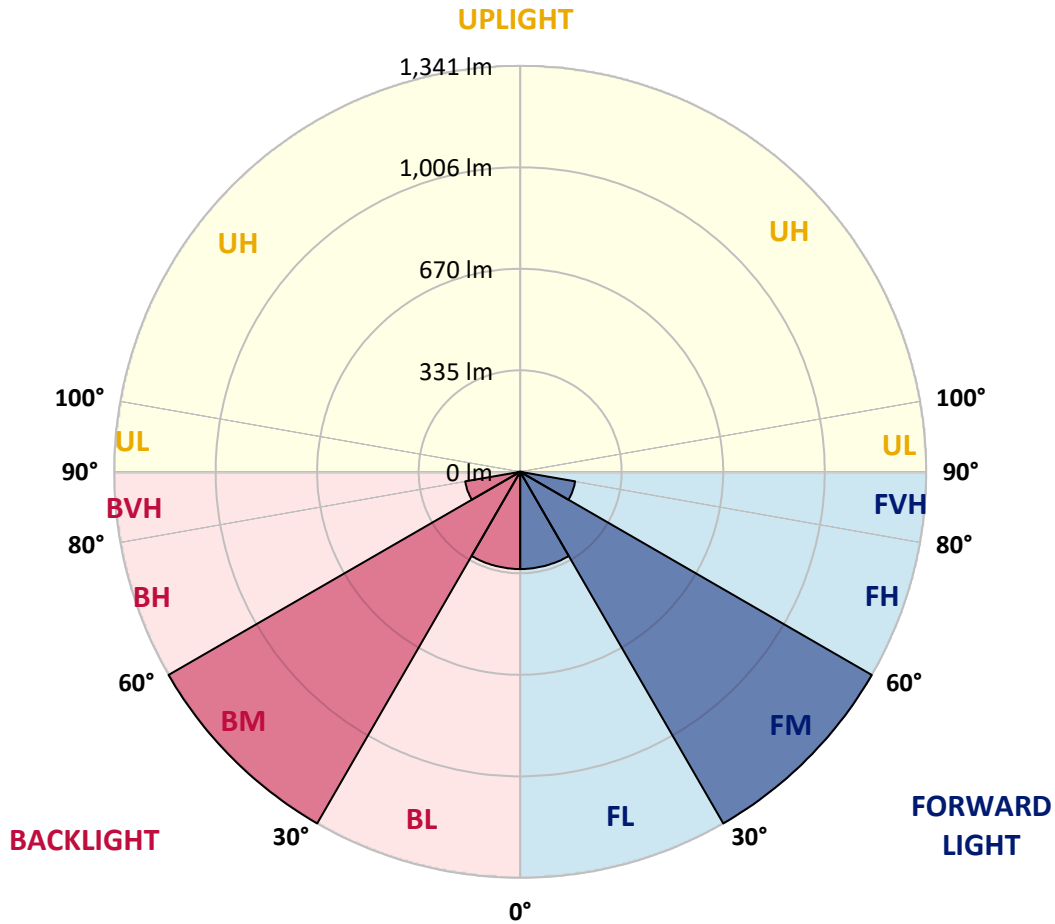


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.1	8.7			
FM (30°-60°)	1340.7	36.1			
FH (60°-80°)	184.3	5.0			G0/660
FVH (80°-90°)	8.5	0.2			G0/10
BL (0°-30°)	321.1	8.7	B1/500		
BM (30°-60°)	1340.7	36.1	B2/2500		
BH (60°-80°)	184.3	5.0	B1/500		G0/660
BVH (80°-90°)	8.5	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°	620.0	620.0	620.0	620.0	620.0	620.0	620.0	620.0	620.0	620.0	620.0
2.5°	621.4	614.9	617.2	618.6	624.6	624.2	622.8	624.6	626.5	626.9	626.0
5°	620.9	616.3	618.2	619.5	625.5	628.8	627.8	635.7	641.2	639.8	646.7
7.5°	617.2	620.0	617.7	624.6	629.7	637.5	645.8	653.1	660.1	667.9	669.3
10°	625.5	625.5	629.7	635.2	648.5	654.5	666.5	677.1	690.4	699.6	696.0
12.5°	634.3	635.7	635.7	649.9	661.0	674.3	685.4	699.6	718.5	729.6	735.1
15°	643.0	643.9	648.5	667.9	684.4	705.6	715.7	728.6	739.2	759.9	760.4
17.5°	650.8	655.9	669.7	691.4	712.1	732.3	748.4	761.8	771.0	779.3	777.4
20°	680.3	684.0	698.3	719.9	750.7	770.5	776.0	778.3	784.3	800.9	795.8
22.5°	708.8	710.2	723.6	756.7	778.3	804.6	810.6	809.2	811.5	815.6	823.0
25°	738.3	740.6	759.0	787.1	817.5	848.8	853.8	843.2	840.0	844.6	845.1
27.5°	776.0	776.5	800.0	824.4	858.9	888.4	896.2	887.9	872.7	876.4	882.4
30°	823.9	820.7	844.2	879.2	915.5	932.1	945.4	941.3	924.7	921.5	916.4
32.5°	879.2	880.1	901.2	939.4	963.4	991.0	1005.3	998.4	987.8	982.3	985.5
35°	956.9	961.1	975.4	1007.1	1045.8	1059.6	1082.1	1067.4	1039.8	1046.7	1052.7
37.5°	1020.9	1032.9	1059.6	1097.3	1120.3	1145.7	1153.9	1134.2	1113.9	1105.6	1125.4
40°	1119.0	1115.3	1144.7	1182.5	1216.5	1241.9	1231.3	1211.5	1161.3	1161.8	1167.3
42.5°	1203.2	1205.0	1227.6	1272.7	1319.2	1334.8	1301.2	1252.9	1197.2	1191.2	1203.2
45°	1274.1	1281.4	1294.3	1354.6	1400.2	1417.2	1355.1	1298.0	1223.4	1198.6	1218.4
47.5°	1299.4	1311.4	1339.4	1394.7	1439.8	1453.6	1403.9	1321.9	1247.8	1207.3	1217.9
50°	1303.1	1298.9	1345.0	1395.6	1435.2	1465.1	1421.4	1339.4	1241.9	1220.7	1217.5
52.5°	1202.3	1222.5	1271.8	1341.3	1421.4	1469.2	1437.0	1349.1	1250.1	1226.2	1218.4
55°	973.0	949.1	1038.9	1155.8	1303.1	1436.1	1431.5	1354.2	1255.2	1235.4	1224.8
57.5°	543.1	550.0	600.7	727.7	917.8	1138.8	1272.7	1300.8	1252.9	1241.4	1246.9
60°	251.3	253.6	275.3	334.6	452.5	645.8	822.1	1001.1	1083.5	1100.1	1100.1
62.5°	187.3	186.4	191.9	202.5	227.4	296.9	396.3	538.5	651.8	730.9	751.7
65°	169.4	168.9	171.7	175.4	177.2	186.9	209.0	252.7	289.5	310.7	307.0
67.5°	148.2	147.8	148.7	151.0	154.2	159.3	164.8	174.0	186.9	186.0	183.7
70°	119.7	119.7	121.1	122.9	126.6	132.6	139.0	145.5	156.5	158.8	158.3
72.5°	88.4	87.0	89.8	93.4	97.1	104.5	111.4	117.4	125.2	127.5	126.6
75°	56.2	57.1	58.9	63.1	69.5	74.6	81.9	87.0	92.1	93.9	94.4
77.5°	31.3	32.2	35.4	40.5	46.9	52.5	58.9	63.1	66.3	66.7	67.2
80°	18.9	19.3	22.6	27.2	32.7	38.7	43.7	47.9	50.6	49.3	48.8
82.5°	11.5	12.0	14.7	18.9	23.5	28.1	33.6	37.3	40.0	38.2	36.4
85°	6.0	6.4	8.7	11.5	15.2	17.5	17.5	15.6	15.2	14.3	13.8
87.5°	1.8	1.8	2.3	2.8	2.3	2.8	3.2	3.7	3.7	4.1	3.7
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)