

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: P526429

Luminaire Tested: **GALN-SA1B-827-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526429
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-827-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 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: 2908 lumens
Efficiency: N/A
Efficacy: 66.1 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

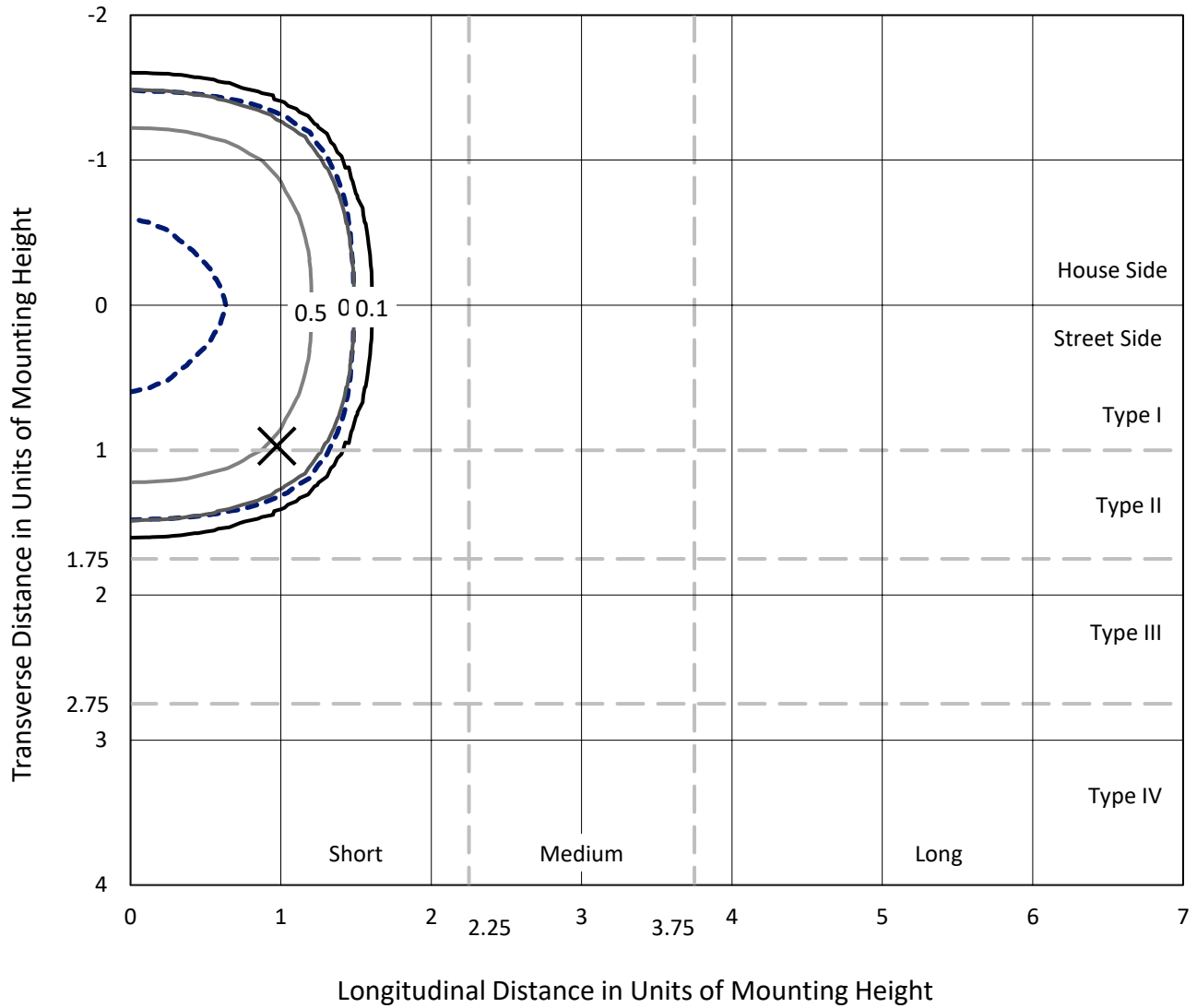
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

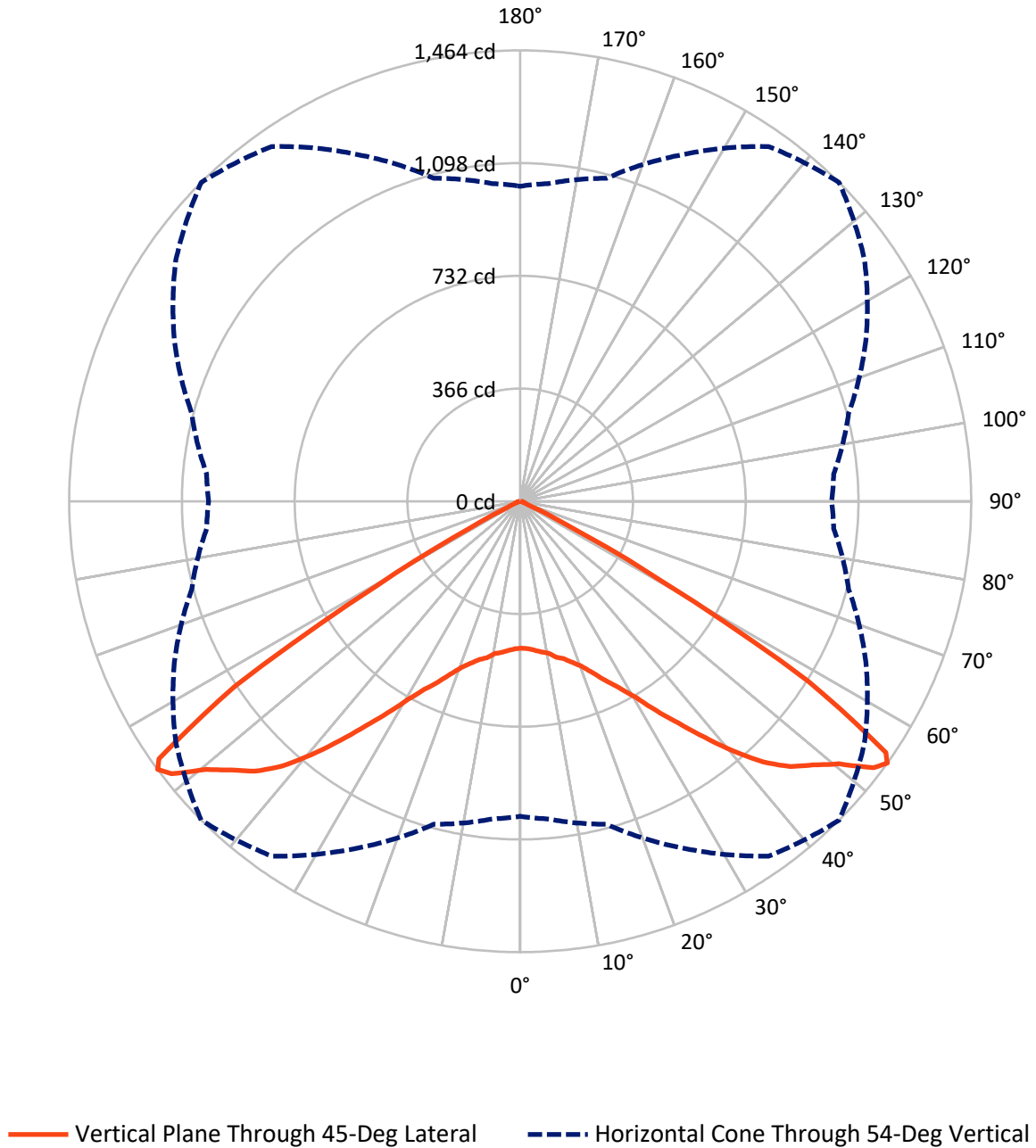
✕ Max cd
 - - - 1/2 Max cd



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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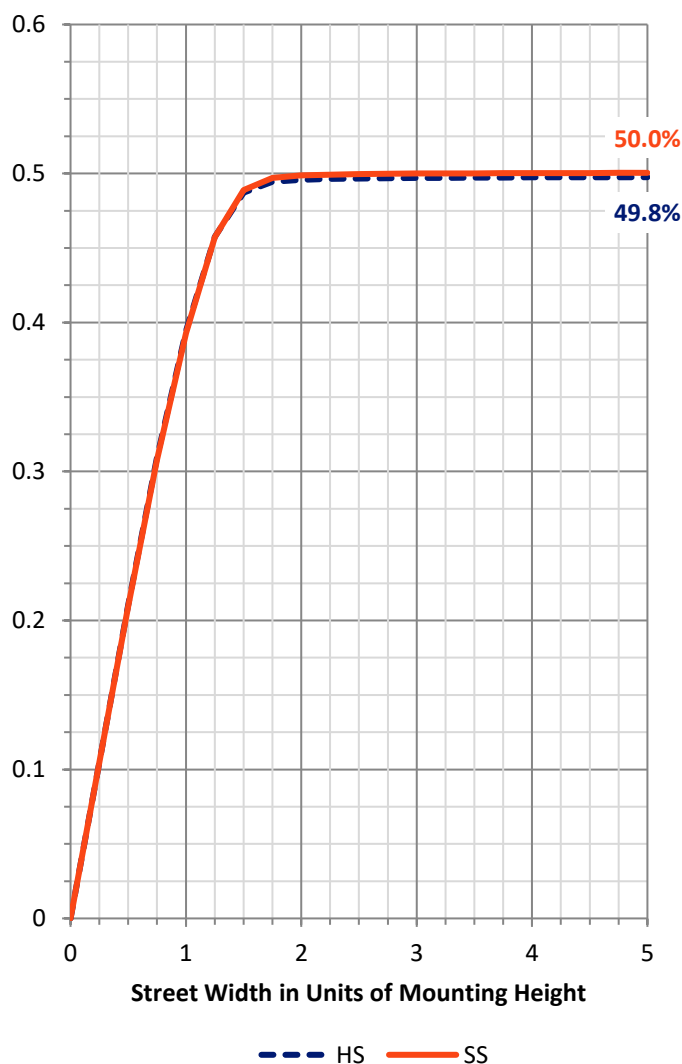
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1454.0	0.0	1454.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1454.0	0.0	1454.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2908.0	0.0	2908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.6
10°-20°	151.1	5.2
20°-30°	296.2	10.2
30°-40°	532.7	18.3
40°-50°	911.8	31.4
50°-60°	882.2	30.3
60°-70°	75.5	2.6
70°-80°	9.0	0.3
80°-90°	2.8	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°	2908.0	100.0
0°-180°	2908.0	100.0

Coefficient of Utilization



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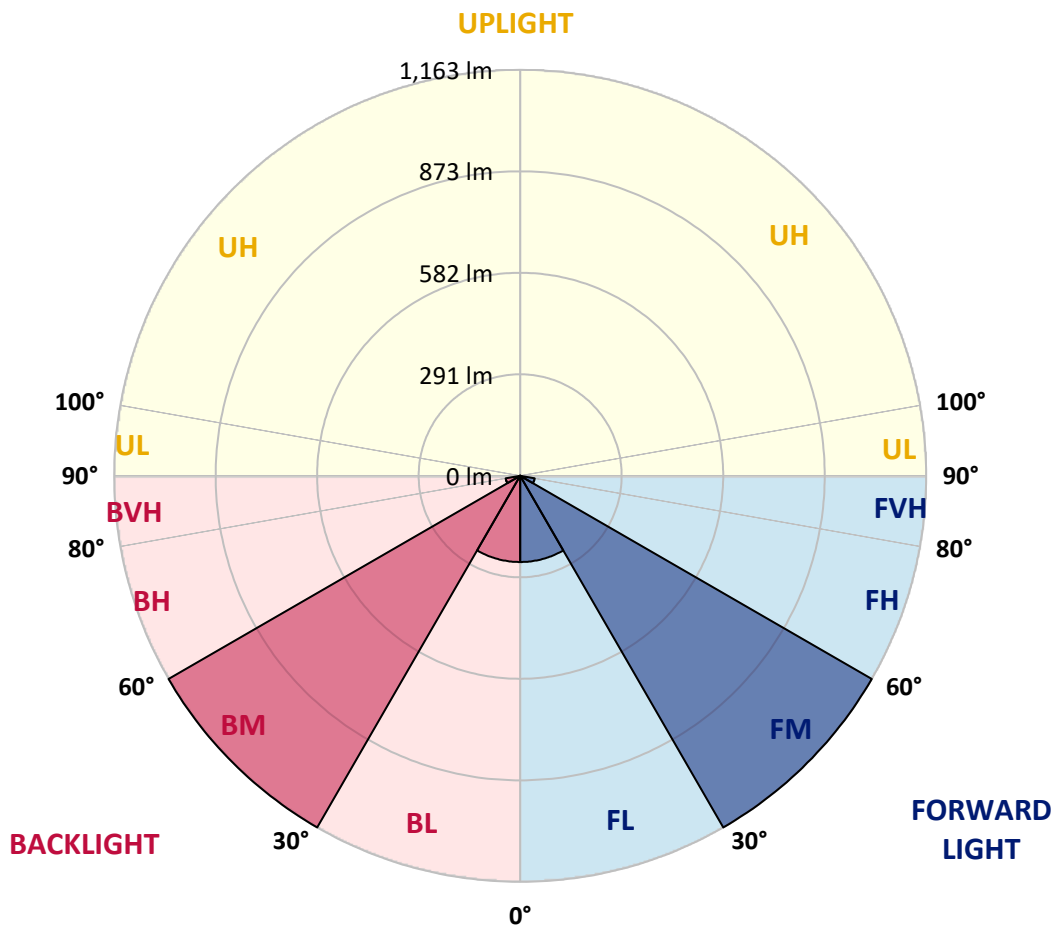
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.0	8.5			
FM (30°-60°)	1163.3	40.0			
FH (60°-80°)	42.2	1.5			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	247.0	8.5	B1/500		
BM (30°-60°)	1163.3	40.0	B2/2500		
BH (60°-80°)	42.2	1.5	B0/110		G0/660
BVH (80°-90°)	1.4	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°	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8	476.8
2.5°	479.1	481.9	480.0	481.4	481.4	479.1	480.5	475.0	478.7	475.9	476.4
5°	486.5	486.0	486.0	486.5	484.7	485.6	483.7	481.9	480.5	478.7	484.2
7.5°	495.7	495.7	492.5	493.4	492.5	493.9	490.2	486.5	485.1	483.7	482.8
10°	504.5	503.5	502.2	506.3	503.1	501.2	499.4	497.1	492.0	490.2	488.3
12.5°	517.4	516.9	515.1	519.2	517.4	519.2	512.3	506.3	505.4	499.4	502.6
15°	532.6	536.7	533.5	533.5	532.6	530.3	527.5	524.7	516.4	514.1	514.6
17.5°	552.4	551.0	551.5	551.5	556.1	550.1	544.5	537.6	533.5	532.1	527.5
20°	571.3	573.1	572.6	575.9	578.6	572.2	566.2	565.3	553.8	555.6	549.2
22.5°	604.4	603.1	605.4	607.7	605.8	604.9	599.4	592.5	582.3	577.7	576.8
25°	639.4	637.1	633.0	638.5	641.3	645.4	634.8	631.2	615.5	608.6	609.0
27.5°	669.4	672.6	677.2	679.5	686.4	685.1	677.7	665.7	653.7	645.9	640.8
30°	710.4	712.2	720.1	723.3	735.3	738.5	727.0	713.2	692.0	681.8	675.8
32.5°	748.2	761.1	760.6	776.7	796.1	809.4	788.7	767.5	746.3	734.4	723.8
35°	809.4	807.1	820.5	837.5	868.9	884.1	861.5	837.1	804.8	785.5	777.2
37.5°	866.6	867.5	885.5	912.6	948.6	972.1	952.3	912.2	879.0	854.1	842.6
40°	949.5	951.3	969.8	1000.6	1041.2	1066.5	1043.5	1002.9	958.7	939.4	939.4
42.5°	1046.7	1054.5	1066.5	1093.2	1129.6	1157.7	1137.0	1105.2	1060.5	1035.6	1039.3
45°	1146.7	1150.4	1158.2	1197.8	1214.9	1228.7	1209.3	1194.6	1164.6	1134.2	1129.2
47.5°	1240.2	1241.6	1264.6	1277.1	1290.4	1278.9	1291.3	1272.0	1238.4	1208.9	1202.9
50°	1281.7	1279.4	1312.1	1349.8	1360.0	1339.7	1329.1	1316.2	1265.1	1229.6	1213.9
52.5°	1161.0	1174.3	1235.1	1340.2	1419.4	1436.5	1374.7	1315.3	1219.9	1150.8	1140.2
54°	1022.7	1035.2	1085.4	1241.1	1406.0	1463.6	1364.1	1237.9	1103.4	1021.4	1010.8
55°	885.9	872.1	963.3	1122.3	1343.4	1439.7	1322.2	1137.9	984.0	909.0	894.2
57.5°	479.6	481.9	558.8	709.0	944.0	1103.8	974.8	769.8	581.4	497.1	489.7
60°	152.0	155.7	189.3	286.6	451.0	538.6	461.6	309.1	213.8	171.4	164.5
62.5°	47.5	49.3	53.9	80.2	123.5	176.4	138.2	82.9	61.7	56.7	57.6
65°	29.0	29.0	29.5	31.3	36.9	42.8	41.5	36.4	35.0	34.1	33.6
67.5°	18.9	18.4	19.3	20.7	21.7	22.1	23.5	24.9	24.4	23.5	23.5
70°	11.5	11.1	12.0	13.8	14.3	15.2	16.6	18.4	18.0	17.0	17.5
72.5°	6.4	6.4	6.9	8.3	9.7	10.6	12.0	13.4	13.8	13.4	13.4
75°	2.3	2.8	3.7	5.1	6.0	7.4	8.8	10.1	11.5	10.6	10.1
77.5°	0.9	0.9	1.8	3.2	4.6	6.0	8.3	9.7	10.6	9.7	8.8
80°	0.5	0.5	1.4	2.8	4.1	5.5	6.9	8.3	8.8	7.8	6.9
82.5°	0.5	0.5	1.4	2.8	4.1	5.1	7.4	8.3	9.2	8.3	6.9
85°	0.0	0.5	1.4	2.8	3.7	4.1	4.1	2.8	2.3	1.4	1.4
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)