

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: P526228

Luminaire Tested: **GALN-SA1A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526228
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-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 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: 3222 lumens
Efficiency: N/A
Efficacy: 97.6 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

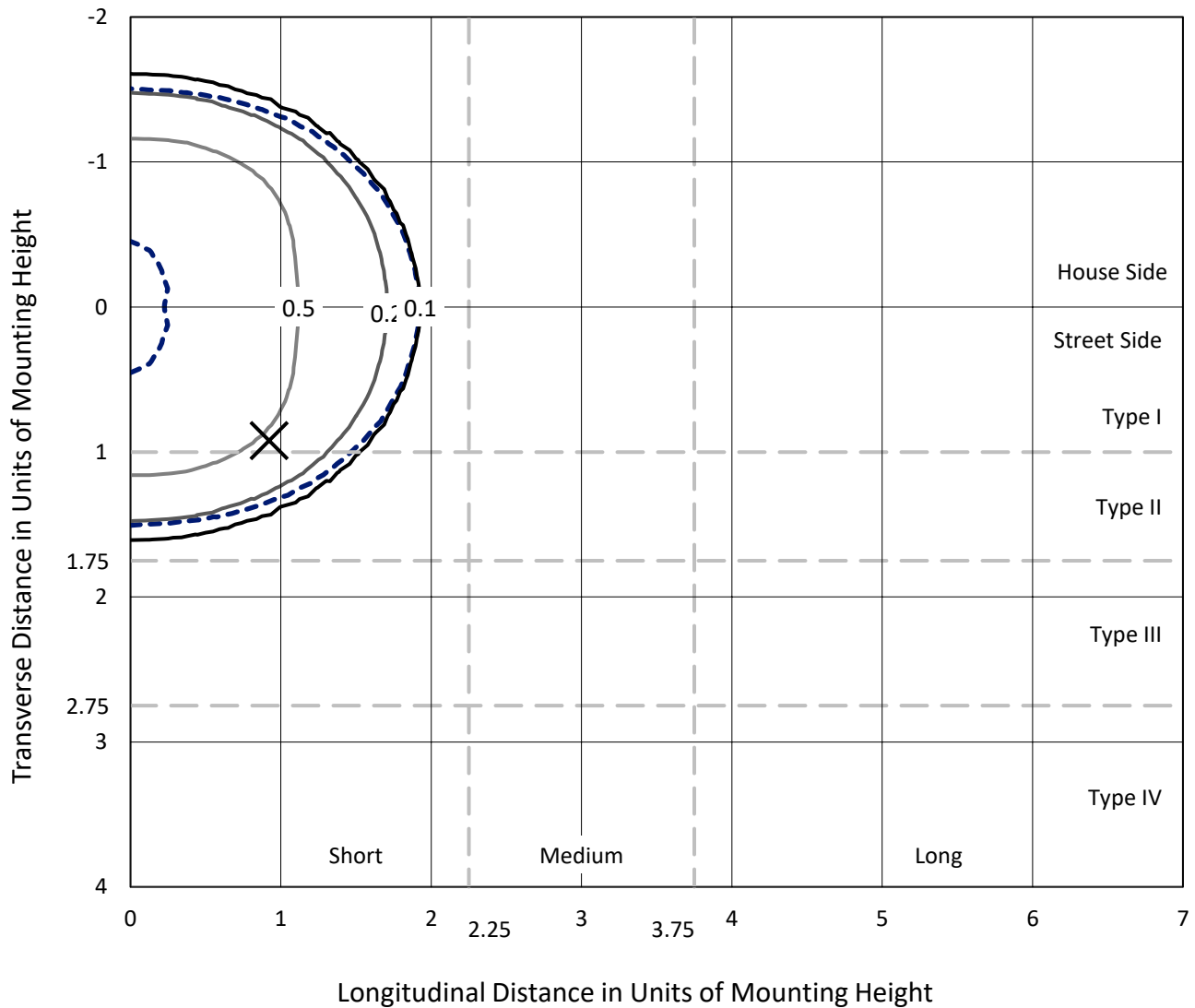
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

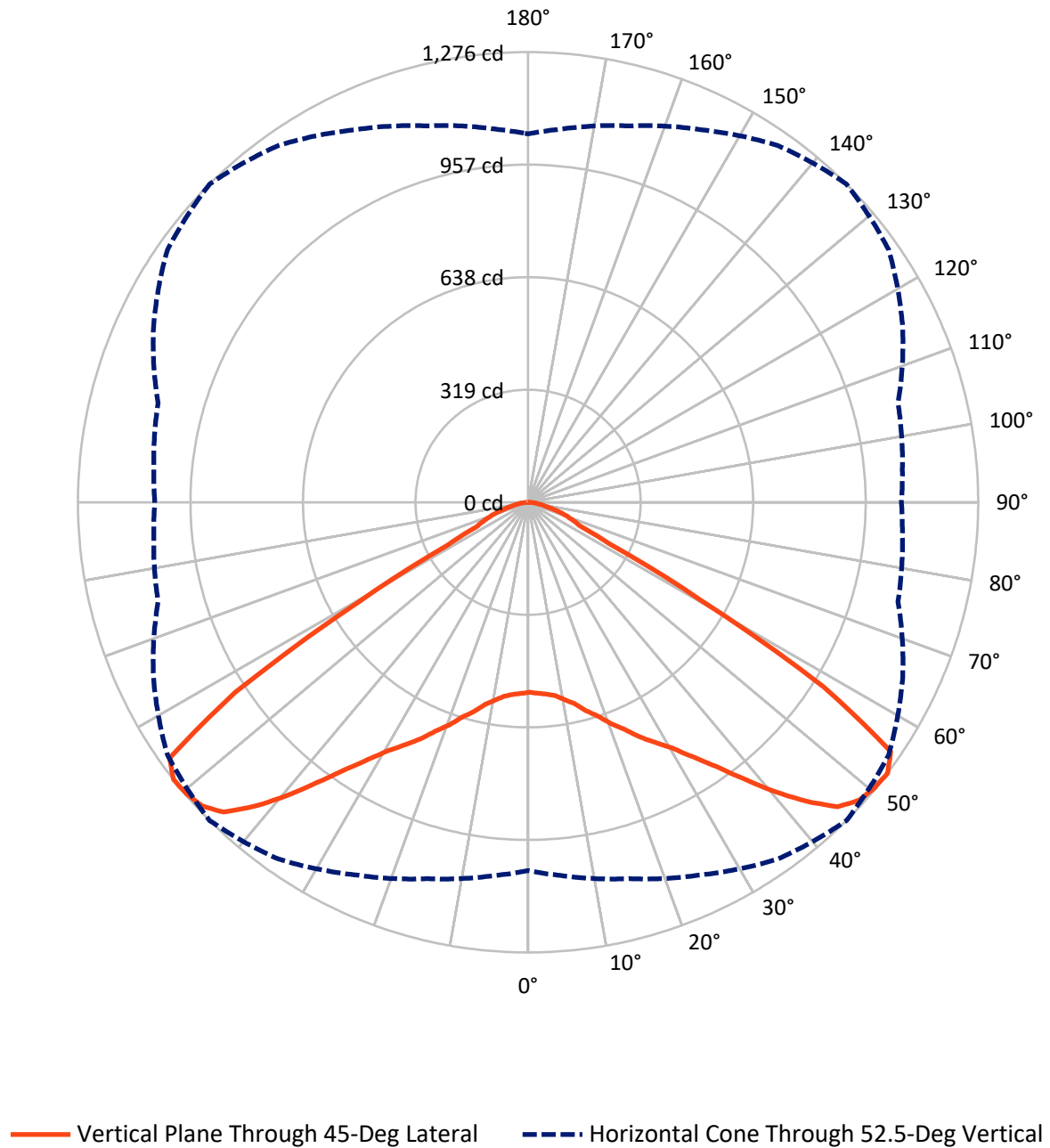
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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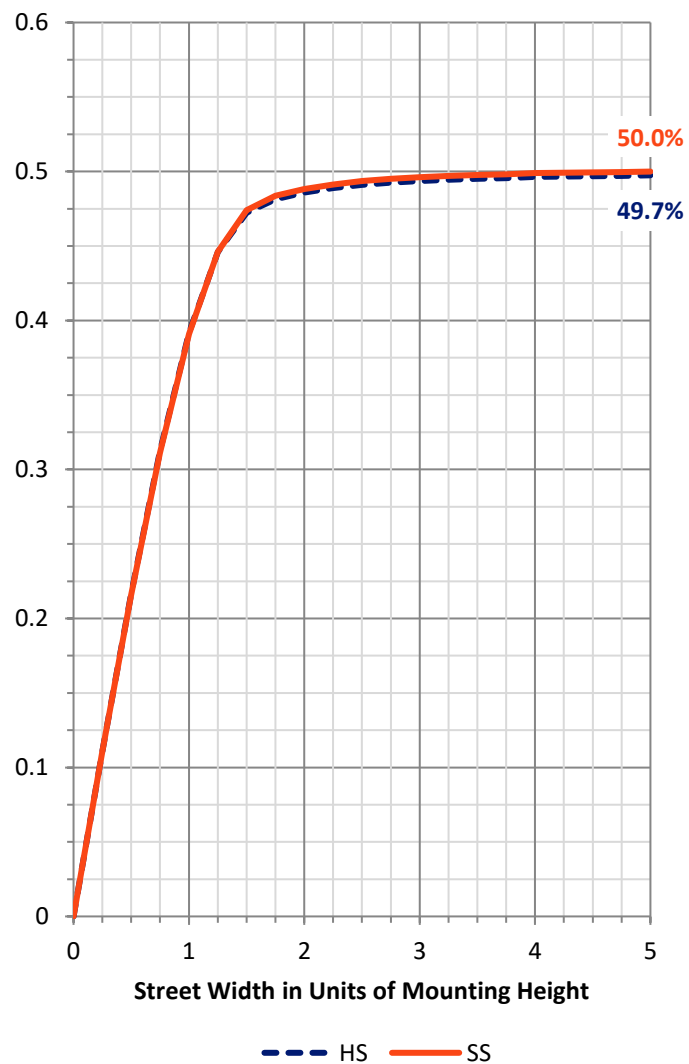
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1611.0	0.0	1611.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1611.0	0.0	1611.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3222.0	0.0	3222.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.6
10°-20°	173.9	5.4
20°-30°	331.0	10.3
30°-40°	568.4	17.6
40°-50°	873.7	27.1
50°-60°	887.2	27.5
60°-70°	247.2	7.7
70°-80°	73.0	2.3
80°-90°	14.7	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°	3222.0	100.0
0°-180°	3222.0	100.0

Coefficient of Utilization



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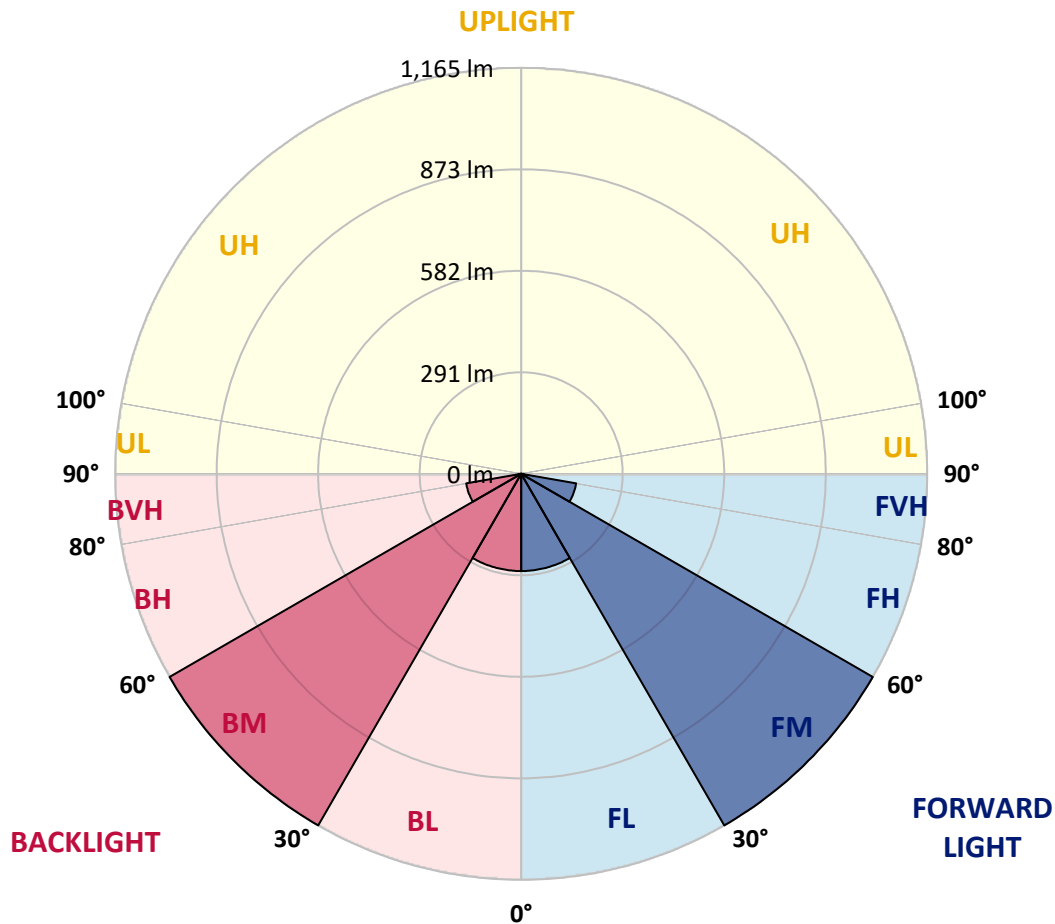
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.9	8.7			
FM	(30°-60°)	1164.6	36.1			
FH	(60°-80°)	160.1	5.0			G0/660
FVH	(80°-90°)	7.3	0.2			G0/10
BL	(0°-30°)	278.9	8.7	B1/500		
BM	(30°-60°)	1164.6	36.1	B2/2500		
BH	(60°-80°)	160.1	5.0	B1/500		G0/660
BVH	(80°-90°)	7.3	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°	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6	538.6
2.5°	539.8	534.2	536.2	537.4	542.6	542.2	541.0	542.6	544.2	544.6	543.8
5°	539.4	535.4	537.0	538.2	543.4	546.2	545.4	552.2	557.0	555.8	561.8
7.5°	536.2	538.6	536.6	542.6	547.0	553.8	561.0	567.4	573.4	580.2	581.4
10°	543.4	543.4	547.0	551.8	563.4	568.6	579.0	588.2	599.8	607.8	604.6
12.5°	551.0	552.2	552.2	564.6	574.2	585.8	595.4	607.8	624.2	633.8	638.6
15°	558.6	559.4	563.4	580.2	594.6	613.0	621.8	633.0	642.2	660.2	660.6
17.5°	565.4	569.8	581.8	600.6	618.6	636.2	650.2	661.8	669.8	676.9	675.3
20°	591.0	594.2	606.6	625.4	652.2	669.4	674.1	676.1	681.3	695.7	691.3
22.5°	615.8	617.0	628.6	657.4	676.1	698.9	704.1	702.9	704.9	708.5	714.9
25°	641.4	643.4	659.4	683.7	710.1	737.3	741.7	732.5	729.7	733.7	734.1
27.5°	674.1	674.5	694.9	716.1	746.1	771.7	778.5	771.3	758.1	761.3	766.5
30°	715.7	712.9	733.3	763.7	795.3	809.7	821.3	817.7	803.3	800.5	796.1
32.5°	763.7	764.5	782.9	816.1	836.9	860.9	873.3	867.3	858.1	853.3	856.1
35°	831.3	834.9	847.3	874.9	908.5	920.5	940.1	927.3	903.3	909.3	914.5
37.5°	886.9	897.3	920.5	953.2	973.2	995.2	1002.4	985.2	967.6	960.4	977.6
40°	972.0	968.8	994.4	1027.2	1056.8	1078.8	1069.6	1052.4	1008.8	1009.2	1014.0
42.5°	1045.2	1046.8	1066.4	1105.6	1146.0	1159.6	1130.4	1088.4	1040.0	1034.8	1045.2
45°	1106.8	1113.2	1124.4	1176.8	1216.3	1231.1	1177.2	1127.6	1062.8	1041.2	1058.4
47.5°	1128.8	1139.2	1163.6	1211.5	1250.7	1262.7	1219.5	1148.4	1084.0	1048.8	1058.0
50°	1132.0	1128.4	1168.4	1212.3	1246.7	1272.7	1234.7	1163.6	1078.8	1060.4	1057.6
52.5°	1044.4	1062.0	1104.8	1165.2	1234.7	1276.3	1248.3	1172.0	1086.0	1065.2	1058.4
55°	845.3	824.5	902.5	1004.0	1132.0	1247.5	1243.5	1176.4	1090.4	1073.2	1064.0
57.5°	471.8	477.8	521.8	632.2	797.3	989.2	1105.6	1130.0	1088.4	1078.4	1083.2
60°	218.3	220.3	239.1	290.7	393.1	561.0	714.1	869.7	941.3	955.6	955.6
62.5°	162.7	161.9	166.7	175.9	197.5	257.9	344.3	467.8	566.2	635.0	653.0
65°	147.1	146.7	149.1	152.3	153.9	162.3	181.5	219.5	251.5	269.9	266.7
67.5°	128.8	128.4	129.2	131.2	134.0	138.3	143.1	151.1	162.3	161.5	159.5
70°	104.0	104.0	105.2	106.8	110.0	115.2	120.8	126.4	135.9	137.9	137.5
72.5°	76.8	75.6	78.0	81.2	84.4	90.8	96.8	102.0	108.8	110.8	110.0
75°	48.8	49.6	51.2	54.8	60.4	64.8	71.2	75.6	80.0	81.6	82.0
77.5°	27.2	28.0	30.8	35.2	40.8	45.6	51.2	54.8	57.6	58.0	58.4
80°	16.4	16.8	19.6	23.6	28.4	33.6	38.0	41.6	44.0	42.8	42.4
82.5°	10.0	10.4	12.8	16.4	20.4	24.4	29.2	32.4	34.8	33.2	31.6
85°	5.2	5.6	7.6	10.0	13.2	15.2	15.2	13.6	13.2	12.4	12.0
87.5°	1.6	1.6	2.0	2.4	2.0	2.4	2.8	3.2	3.2	3.6	3.2
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)